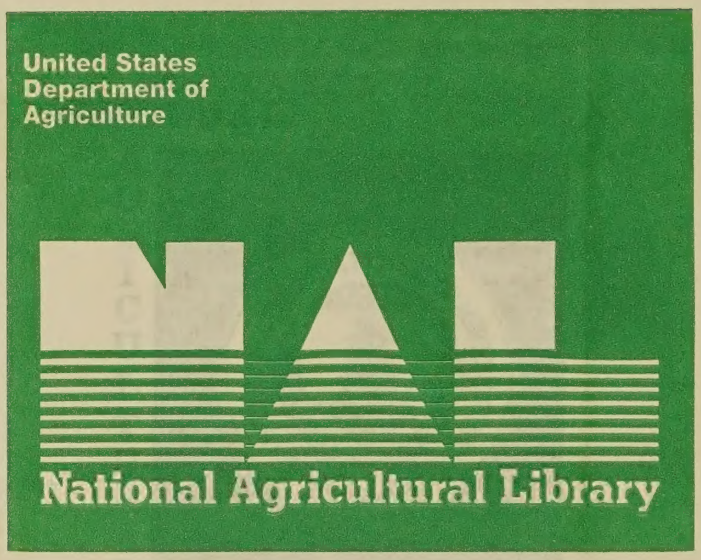


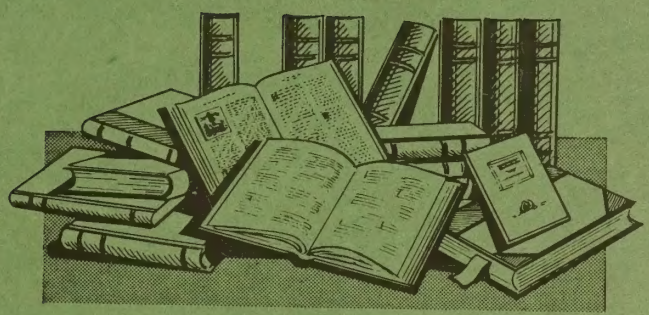
LIBRARY

Bibliography of Agriculture
vol. 17. 1953

1,376,564

(1b
471
C1
4½x6⅝x16

BIBLIOGRAPHY OF AGRICULTURE



U.S. DEPARTMENT
OF AGRICULTURE
LIBRARY

ITEMS 1-11555 JANUARY 1953 VOL. 17, No. 1

The subject index for volume 17 of the Bibliography of Agriculture will appear as number 12 of volume 17, the issue of December 1953.

Abbreviations used in this publication are from the United States Department of Agriculture Bibliographical Bulletin 12, List of Serials Currently Received in the Library of the United States Department of Agriculture, November 1, 1949. June 1950.

Call numbers following the citations are those of the United States Department of Agriculture Library. Please use them when requesting publications on loan from the Library.

Except for printed publications of the Department of Agriculture which are usually available in limited supply for free distribution, the publications listed herein are not available for free distribution from the Department. However, photoprint or microfilm copies of any publication listed may be obtained from the Library. Copying charges for each periodical article or book are:

MICROFILMS:
$1.00 for each 50 pages or fraction thereof from a single article or book.

PHOTOPRINTS:
$1.00 for each 10 pages or fraction thereof from a single article or book.

ALL CHARGES ARE CASH WITH ORDER. (Only Federal agencies are exempt.)
Enclose payment in cash, library coupon, check, or money order drawn to the Treasurer of the United States.

LIBRARY COUPONS—United States Department of Agriculture Library coupons valued at $1.00 each may be ordered in any quantity.

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Jan. 11, 1950).

1,376,564

UNITED STATES DEPARTMENT OF AGRICULTURE

LIBRARY

BIBLIOGRAPHY OF AGRICULTURE

Vol. 17 January 1953 Items 1-11555 No. 1

CONTENTS

	Item
Plant Science	1-3044
Systematic and Geographic Botany	97
Spermatophytes	126
Pteridophytes	236
Bryophytes	248
Algae	285
Fungi	304
Pathology	359
Fungus Diseases	470
Bacterial Diseases	629
Virus Diseases	646
Nematodes	698
Ecology	724
Morphology, Anatomy, and Cytology	771
Genetics	892
Physiology	1000
Biochemistry	1368
Field Crops	1482
Cereals	1519
Fiber Crops	1656
Forage and Grasses	1706
Oil Crops	1884
Sugar Crops	1909
Tobacco	1945
Horticultural Crops	1968
Fruits	2031
Citrus and Subtropical	2100
Deciduous	2165
Small	2244
Nuts	2345
Shade Trees and Ornamental Plants	2368
Vegetables	2661
Weeds and Poisonous Plants	2843
Miscellaneous	2941
Soils and Fertilizers	3045-3836
Soil Science	3045
Soil Physics	3055
Soil Chemistry	3103
Soil Biology	3177
Soil-Plant-Animal Relationships	3212
Soil Genesis, Formation, Classification and Mapping	3215
Soil Management	3244
Soil Fertility	3299
Tilth and Tillage	3501
Drainage, Irrigation, Water Supply, etc.	3539
Erosion and Control	3671
Sanitation	3744
Materials for Soil Improvement	3750
Primary Materials	3754
Secondary and Minor Element Materials	3757
Mixed Fertilizers and Fertilizer Technology	3777
Fertilizer Statistics	3784
Mineral Soil Amendments	3801
Manures and Composts	3807
Forestry	3837-4616
General	3837
Education	3872
Policies, Programs, Administration	3892
Legislation and Taxation	3943
Description and Resources	3951
Individual Genera	3986
Forest Management and Finance	4033
Farm Woodlands	4064
Mensuration, Surveying, Photogrammetry	4073
Silviculture	4096
Silvicultural Practices	4142
Seeding and Planting	4176
Forest Protection and Damage	4257
Fire	4278
Forest Influences	4292
Miscellaneous Forest Uses	4303
Forest Industries and Trade	4306
Lumbering	4326
Lumbering Equipment	4334
Logging	4345
Sawmills	4370
Processing and Woodworking	4384
Seasoning, Conditioning and Finishing	4393
Wood Preservation and Damage	4417
Forest Products	4430
Lumber and Rough Products	4440
Building Construction	4460
Veneers, Plywood and Adhesives	4469
Furniture	4489
Pulp and Paper	4491
Chemical Products and Distillates	4531
Naval Stores	4549
Other Forest Products	4561
Wood Technology	4578
Properties and Structure	4604
Animal Industry	4617-6507
Breeds and Breeding	4617
Feeds and Feeding	4641
Veterinary Medicine	4753
Miscellaneous	4953
Cattle	4994
Breeds and Breeding	4994
Feeds and Feeding	5131
Veterinary Medicine	5215
Miscellaneous	5396
Dogs and Cats	5473
Breeds and Breeding	5473
Feeds and Feeding	5481
Veterinary Medicine	5483
Miscellaneous	5553
Fur Animals - Pen Raised	5564
Breeds and Breeding	5564
Feeds and Feeding	5570
Veterinary Medicine	5578
Miscellaneous	5590
Horses and Mules	5595
Breeds and Breeding	5595
Feeds and Feeding	5625
Veterinary Medicine	5629
Miscellaneous	5699
Laboratory Animals, Small	5721
Feeds and Feeding	5721
Veterinary Medicine	5724

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
$6.00 per year, domestic; $8.00 per year, foreign. Single copies vary in price.

	Item
Poultry	5730
Breeds and Breeding	5730
Feeds and Feeding	5789
Veterinary Medicine	5888
Miscellaneous	6027
Rabbits	6148
Breeds and Breeding	6148
Feeds and Feeding	6182
Veterinary Medicine	6183
Miscellaneous	6198
Sheep and Goats	6211
Breeds and Breeding	6211
Feeds and Feeding	6253
Veterinary Medicine	6270
Miscellaneous	6324
Swine	6352
Breeds and Breeding	6352
Feeds and Feeding	6379
Veterinary Medicine	6429
Miscellaneous	6487
Entomology	6508-7668
General - Economic	6538
Insecticides	6668
Apiculture and Apis Mellifera	6708
Arachnida, etc.	6886
Coleoptera	6956
Diptera	7073
Culicidae	7240
Hemiptera	7261
Hymenoptera	7357
Lepiodoptera	7421
Orthoptera	7558
Sericulture and the Silkworm	7602
Smaller Orders	7624
Agricultural Engineering	7669-8204
General and Miscellaneous	7669
Machines and Equipment	7696
Animal Husbandry	7805
Cultivation and Tillage	7831
Fertilizer and Seed Distributors	7854
Harvesting	7873
Land Clearing Equipment	7926
Processing Equipment Used on the Farm	7934
Repair, Maintenance, and Construction	7967
Spraying and Dusting	7972
Vehicles	7984
Structures and Rural Housing	8044
Animal Shelters and Service Buildings	8051
Farmhouses and Farmsteads	8103
Greenhouses and Plant Service Buildings	8114
Materials and Methods	8128
Storage Structures	8134
Walls and Fences	8143
Utilities	8148
Electricity and Electrification	8148
Heating, Lighting and Radiation	8161
Power Plants, Motors and Engines	8180
Sewage and Waste Disposal	8186
Telephones	8187
Water Supply	8191
Agricultural Products: Processing, Distribution, and Statistics	8205-10261
Analysis and Composition	8230
Consumption, etc.	8265
Distribution, etc.	8271
Grading, etc.	8302
Packing and Packaging	8330
Prices, etc.	8334
Processing and Storage	8359
Statistics	8408
Beverages and Condiments	8447
Dairy Products	8628
Analysis and Composition	8696
Consumption, etc.	8768
Distribution, etc.	8772
Grading, etc.	8794
Packing and Packaging	8817
Prices, etc.	8825
Processing and Storage	8832
Statistics	8909
Feed and Forage Crops	8911
Fibers and Textiles	8962
Fruits, Vegetables, and Nuts	9155
Analysis and Composition	9200
Consumption, etc.	9234
Distribution, etc.	9240
Grading, etc.	9301
Packing and Packaging	9321
Prices, etc.	9351
Processing and Storage	9356
Statistics	9439
Grain and Grain Products	9468
Honey and Beeswax	9594
Livestock and Livestock Products	9608
Analysis and Composition	9682
Consumption, etc.	9721
Distribution, etc.	9731
Grading, etc.	9763
Packing and Packaging	9781
Prices, etc.	9782
Processing and Storage	9789
Statistics	9855
Oils and Oilseeds	9866
Poultry and Poultry Products	9979
Rubber and Rubber Substitutes	10073
Seeds	10101
Sugar and Sirups	10116
Tobacco	10212
Miscellaneous	10250
Agricultural Economics and Rural Sociology	10262-11330
Agricultural Finance	10284
Credit	10297
Income	10352
Inflation	10358
Insurance	10359
Taxation	10372
Agricultural Labor and Wages	10388
Agriculture - Situation, Policies, and Programs	10448
Subsidies	10642
Cost and Standard of Living	10648
Farm Management and Land Economics	10654
Bookkeeping and Records	10786
Costs and Returns	10797
Land Settlement and Colonization	10828
Land Tenure	10849
Land Utilization	10934
Land Values, etc.	10953
Population	10964
Rural Social Organization	10969
Human Ecology	10994
Institutions	11000
Leadership	11164
Rural Organizations and Movements	11165
Rural Social Psychology	11247
Trade, Foreign and International	11261
Food and Human Nutrition	11331-11405
Food Habits	11370
Nutritive and Vitamin Content	11372
Miscellaneous	11406-11555
History and Biography	11454
Home Management	11500
International Relations	11510
Meteorology	11515
Research	11526
Statistics	11548

U. S. D. A. Publications p. 250

State Agr. Expt. Sta. Publications p. 255

State Agr. Ext. Serv. Publications p. 258

Food and Agr. Organ. of the U. N. p. 259

AUTHOR INDEX p. 261

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Jan. 11, 1950)

PLANT SCIENCE

GENERAL

1 ABBOTT, R. E., and ABBOTT, M. L. A simple paleobotanical transfer technique. Ohio J. Sci. 52:258-260. Sept.1952. 410 Oh3

2 AINSWORTH, G. C. The Lister notebooks. Brit. Mycol. Soc. Trans. 35:188-189. Sept.1952. 451 B76

3 AMERICAN ACADEMY OF ALLERGY. POLLEN SURVEY COMMITTEE. Hay fever holiday, rev. by O. C. Durham. North Chicago,Ill.,1952. 8 p. 452.83 Am3H

4 ANDREWS, H. N., JR. Recent studies of petrified plants from the Central American coal fields. (Abs.) Science 116:516. Nov.14,1952. 470 Sci2

5 ANDREWS, H. N. Some American petrified calamitean stems. Mo. Bot. Gard. Ann. 39:189-218. Ref. Sept.1952. 451 M69

6 ASTRE, G. Petit grain fossile du miocène du Gers. Soc. d'Hist. Nat. de Toulouse. B. 86:271-272. May 30,1951. 505 T64

7 AVRORIN, N. A. Tasks of Soviet botanic gardens and their system. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:3-8. 1951. 451 M854

8 BABAD, J., and others. An antifungal polypeptide produced by Bacillus subtilis. Nature [London] 170:618-619. Oct.11,1952. 472 N21
A. Pinsky, R. Turner-Graff, and N. Sharon, joint authors

9 BARBOSA, L. A. G. Vegetation of Zambesia. (In Portuguese.) Moçambique 69:5-65. Ref. Mar.1952. 110 M71

10 BELOKON', I. P. Kiev Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:127-130. 1951. 451 M854

11 BENDZ, G. An antibiotic agent from Marasmius graminum. Arkiv f. Kemi 3:495-500. Ref. 1952. 385 Ar4

12 BOERGER, A. "La estanzuela" Instituto Fitotecnico y Semillero Nacional de la R. O. del Uruguay Phyton [Buenos Aires] 2:50-55. July 1952. 450 P567
Centros de investigacion.

13 BOOTH, W. E. The Ohio State University method of teaching general botany; its possible application in high school teaching. Mont. Acad. Sci. Proc. 9:3-4. 1949,pub.1951. 500 M762

14 BRIAN, P. W. Antibiotics as systemic fungicides and bactericides. Ann. Appl. Biol. 39:434-438. Ref. Sept.1952. 442.8 An72

15 BROUWER, F. I. Plantkunde [Plant science], v. 2. Groningen,Wolters,1951. 169 p. (Nederlandse Land- en Tuinbouwbibliotheek) 463 B792P

16 BUSTINZA, F. Antibacterial substances from lichens. Econ. Bot. 6:402-406. Ref. Oct./Dec.1952. 450 Ec7

17 CALVERT, J. An apparatus for cutting and treating plant (or animal) tissue in one operation. Austral. Inst. Agr. Sci. J. 18:105-107. June 1952. 23 Au74

18 CARPENTIER, A. Notes de paléobotanique. Rev. Gén. de Bot. 59:421-427. Ref. Aug.1952. 450 R326

19 CHAUVIN, R., and others. Sur une substance présente dans le pollen, qui s'oppose au développement de certaines bactéries. Soc. de Biol. Compt. Rend. 146: 645-647. May 1952. 442.9 P21
C. Defromont, J. Louveaux, and J. Vergé, joint authors.

20 CLEMENT, I. D. Harvard's Cuban botanical garden. Fla. State Hort. Soc. Proc. 64:239-241. 1951, pub.1952. 81 F66

21 CONRAD-MARTIUS, H. Das artproblem in naturphilosophischer beleuchtung. Experientia 8:400-404. Oct.15,1952. 475 Ex7
English summary.

22 CRANDON, C. H. Fairchild Tropical Garden. Fla. State Hort. Soc. Proc. 63:209-213. 1950,pub.1951. 81 F66

23 DACANAY, J. Q. From the Bureau of Agriculture to the Bureau of Plant Industry. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.3-9. Manila, Graphic House,1952. 37 P533

24 DOIGNON, P. La Vallée de la Solle, forêt de Fontainebleau. Feuille des Nat. (n.s.)7:47-48. May/Aug. 1952. 410 F432
Includes vegetation.

25 EDER, H. Le parc et le jardin botanique à Brynek. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:225-245. 1951. 99.9 P76
French summary.

26 FAHN, A. Development of annual rings in a number of indigenous forest trees in Israel. (In Hebrew.) La-Yaaran 2:60-68. July 1952. 99.9 So19
English summary, p.85.

27 FERNANDEZ-MORAN, H., and DAHL, A. O. Electron microscopy of ultrathin frozen sections of pollen grains. Science 116:465-467. Ref. Oct.31,1952. 470 Sci2

28 FLORSCHUTZ, P. A. Giving names to plants. II. The rules of nomenclature. (In Dutch.) Succulenta 5:69-71. 1952. 450 Su12

29 FURUSAWA, K. Shokubutsugaku gairon [Introduction to botany]. Tokyo,Asakura Shoten,1951. 274 p. 463 F97

30 GEIB, K. W. Uber eine pflanzenreste-führende schichtfolge in den Waderner schichten des oberrotliegenden bei Sobernheim im nahebergland. Hess. Landesamt. f. Bodenforsch. Notizbl. 6(1):193-200. 1950. 509 D25

31 GONÇALVES DE LIMA, O., and others. Primeras observaciones sobre un antibiótico aislado de la planta mexicana denominada "raiz de indio," Aristolochia sp. Ciencia 12:31-33. Ref. 1952. 475 C48
C. Larios, M. Zapata, and U. Dziendzielewsky, joint authors.

32 GREGOIRE, H. Dans la partie nord-ouest du Jardin Botanique de Montréal, il y a le jardin économique. Ferme 14:24-25,42. Sept.1952. 7 F38

33 GREGORY, P. H. Spore content of the atmosphere near the ground. Nature [London] 170:475-477. Sept.20,1952. 472 N21

34 HAMMEN, T. VAN DER. Late-glacial flora and periglacial phenomena in the Netherlands. Leiden, Ijdo,1951. p.72-183. 402.1 H18
Proefschrift - Leiden.

35 HEUSSER, C. J. Pollen profiles from southeastern Alaska. Ecol. Monog. 22:331-352. Ref. Oct. 1952. 410 Ec72

36 HOWELL, J. T. Plant types in the herbarium of the California Academy of Sciences. VIII. Wasmann J. Biol. 10:251-254. Summer 1952. 442.8 W28

37 HRYNIEWIECKI, B. Description du parc du château "Paulinum," près de Jelenia Góra (Silésie Inférieure). (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:206-224. 1951. 99.9 P76
French summary.
Includes list of tree species.

38 HSIUNG, G. D., and LUCAS, E. H. An antifungal principle in the cell of Achromobacter iophagum. Mich. Agr. Expt. Sta. Q. B. 35:95-101. Ref. Aug.1952. 100 M58S

39 INGRAM, C. Plant-hunting in South America. Country Life [London] 112:1272-1273. Oct.24,1952. 80 C83

40 JAKOVLJEVIĆ, S. J. Opšta botanika [General botany]. Ed. 2, rev. Beograd,1951. 240 p. 463 J21

41 JASSEM, M. Arboretum a Pruhonice. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7: 246-248. 1951. 99.9 P76

42 JONES, H. T. Wild flowers, grasses, ferns, fungi, trees. London,Warne,1952. 83 p. (Nature Field Series 1) 409.5 J71

43 KAUSSMANN, B. Die fleischfressenden pflanzen. Urania 15:248-256. July 1952. 474 Ur1

44 KONSTANTINOV, N. N. Sum total of the work of the Principal Botanic Garden of the Academy of Sciences, USSR, for the year 1950. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:72-75. 1951. 451 M854

45 KORF, R. P. The terms homothallism and heterothallism. Nature [London] 170:534-535. Sept.27, 1952. 472 N21

46 KREMP, G. Pollenanalytische untersuchung des braunkohlenflözes von Beuern bei Giessen. Hess. Landesamt, f. Bodenforsch. Notizbl. 6(1):269-271. 1950. 509 D25

47 KURUP, P. A., and RAO, P. L. N. Antibiotic principle from Moringa pterygosperma. I. Purification. Indian Inst. Sci. J. 34:219-227. Ref. July 1952. 513 In23
Pterygospermin.

48 LAMOTTE, R. S. Catalogue of the Cenozoic plants of North America through 1950. New York,1952. 381 p. (Geological Society of America. Memoir 51) 402.1 L19

49 LAVRENKO, E. M. Geobotany in the service of the great Stalin Communist construction [program]. (In Russian.) Bot. Zhur. 37:425-433. July/Aug.1952. 451 R923

50 LITTLE, E. L., JR. Preparing specimens of Picea and Tsuga. Rhodora 54:232-234. Sept.1952. 450 R34

51 LOUBIERE, A. Aperçu sur la végétation européenne pendant le quaternaire inférieur et moyen. Mus. Natl. d'Hist. Nat. B. (ser.2)24:118-125. Jan.1952. 410.9 P213

52 LUMB, M. Antibiotics. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:493-513. Ref. 1951. 382 M31R
Includes antibiotics from plants.

53 MCATEE, W. L. Stable nomenclature. Science 116:400-401. Oct.10,1952. 470 Sci2
Botanical.

54 MAEKAWA, F. Etymological notes on Japanese names of Rumex, Reynoutria and Patrinia. (In Japanese.) J. Jap. Bot. 27:225-227. July 1952. 450 J8223

55 MAEKAWA, F. Notes on the name of a famous big pine tree "Sako-no-Matsu." (In Japanese.) J. Jap. Bot. 27:228. July 1952. 450 J8223

56 MAGALHÃES, G. M. Travel notes and observations on plant geography in the Rio Doce Valley. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(3):48-55. Mar.1952. 9.2 M663

57 MANAS Y CRUZ, M., and ROZUL, J. B. Plant introduction and exploration. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.154-169. Ref. Manila,Graphic House, 1952. 37 P533

58 MOLDENKE, H. N., and MOLDENKE, A. L. Plants of the Bible. Waltham, Mass.,Chronica Botanica, 1952. 328 p. (New Series of Plant Science Books 28) 452.7 M73P

59 MURRIGER, F., and PFLUG, H. Uber eine palynologische untersuchung des braunkohlenlagers der grube Emma bei Marxheim (Untermaingebiet). Hess. Landesamt f. Bodenforsch. Notizbl. 6(3):56-66. Ref. 1952. 509 D25

60 MUSHEGIAN, A. M. Results of acclimatization of woody plants in the Alma-Ata Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:31-34. Ref. 1951. 451 M854

61 NEISHTADT, M. I. On Korean pine [Pinus koraiensis] in the Soviet Far East as a relict of the Tertiary Period. (In Russian.) Akad. Nauk SSSR. Dok. 86:425-428. Ref. Sept.11,1952. 511 P444A
Pollen analysis.

62 ODOM, R. E. The hawthorn in legend and fable. South. Florist & Nurseryman 65(32):12. Oct.31, 1952. 80 So86

63 ODOM, R. E. Plants, medicine and legends. South. Florist & Nurseryman 65(29):25-26. Oct.10,1952. 80 So86

64 PERLMAN, F. Ragweed invasion of Oregon. J. Allergy 23:452-457. Sept.1952. 448.8 J8236

65 POPOZOV, V. K. Organizing an aboretum at the base of a forest massif. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:90-93. 1951. 451 M854

66 REED, F. D. Arthroxylon, a redefined genus of calamite. Mo. Bot. Gard. Ann. 39:173-187. Ref. Sept.1952. 451 M69

67 RICHARD, G. Photographie des Cactées et plantes grasses. Cactus [Paris] 7:57-62. June 15,1952. 450 C114

68 ROBERTS, P. How to make good photos of flowers and plants. Fla. State Hort. Soc. Proc. 64:206-210. 1951,pub.1952. 81 F66

69 ROF CODINA, J. Los antibióticos. Cult. Mod. 35:297-298. Aug.1952. 15 C89

70 ROTERS, H. Vorschläge zur verbesserung der sortenversuche (diskussionsbeitrag). Deut. Landwirt. 3:496-497. Sept.1952. 18 D4822
Plant breeding in the Russian Zone.

71 ROUX, E. R. Botany for medical students. Cape Town,Juta,1951. 201 p. 463 R762

72 ROZANOVA, M. A. Botanic gardens of universities. (In Russian.) Moscow. Glav. Bot. Sad. B. 9: 121-125. 1951. 451 M854

73 RUSANOV, F. N. Labeling and packaging of plants. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:82-83. 1951. 451 M854

74 SCHELLERHAU, GER. BOTANISCHER GARTEN. Bericht, 1950. Dresden,1951. 61 p. 451 Sch2

75 SCIENCE COUNCIL OF JAPAN. NATIONAL COMMITTEE ON BOTANY. Address book of Japanese botanists, 1951. Tokyo,1951. 51 p. 225 Sci2

76 SHOKIN, M. V. Artificial sprinkling to combat autumn frosts. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:70-71. 1951. 451 M854

77 SIRSI, M., and others. Studies on the antimicrobial activity and pharmacological properties of some essential oils, extracted from locally cultivated plants. Indian Inst. Sci. J. 34:261-267. July 1952. 513 In23
L. Kale, S. Natarajan, and U. B. Nayak, joint authors.

78 SMALL, W. S. Increasing castor bean allergy in southern California due to fertilizer. J. Allergy 23: 406-415. Ref. Sept.1952. 448.8 J8236

79 STIVEN, G. Production of antibiotic substances by the roots of a grass (Trachypogon plumosus (H.B.K.) Nees) and of Pentanisia variabilis (E. Mey.) Harv. (Rubiaceae). Nature [London] 170:712-713. Oct.25,1952. 472 N21

80 SUKACHEV, V. N. Development of vegetation. (In Russian.) Bot. Zhur. 37:496-518. July/Aug.1952. 451 R923
Discussion of O. N. Chizhikov's article "Certain Aspects of the Theory of Plant Development," with a note by A. P. Shennikov.

81 SWINNY, B. Pollen and mold allergy in the Southwest. Amer. Med. Assoc. J. 150:464-465. Oct.4, 1952. 448.9 Am37

82 TARASOVA, T. L. Documentation system for perennial plants. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:62-69. 1951. 451 M854
Botanic gardens.

83 THOMPSON, L. E. Plants across the sea. Home Gard. 20(5):12-14. Nov.1952. 80 H756

84 TSITSIN, N. V. The biggest laboratory of Soviet botany. (In Russian.) Priroda 41(6):33-41. June. 1952. 410 P933
The Principal Botanical Garden of the Academy of Sciences of U.S.S.R.

85 TUTIN, T. G. The botanical revolution; an inaugural lecture delivered at University College Leicester, 6th February, 1951. Leicester,U. Col.,1951. 16 p. 463 T88

86 UNITED PLANTING ASSOCIATION OF MALAYA. 50th annual report, 1951. Kuala Lumpur, Caxton Press,1952. 73 p. 22.5 P69

87 U. S. BUR. OF AERONAUTICS (NAVY DEPT.). Antarctic bibliography. Washington,1951,i.e.1952. 147 p. (Its NAVAER 10-35-591) 153.12 An8
Includes plants and insects.

88 VANSTONE, F. H. A quantitative method of flame spectrographic analysis. East Malling Res. Sta. Annu. Rpt. 39:122-125. 1951,pub.1952. 103 Ea7

89 WAIT, L. H. The beauties of nature in the Fairchild Tropical Garden. Fla. State Hort. Soc. Proc. 64:212-215. 1951,pub.1952. 81 F66

90 WALMSLEY, L., and WALMSLEY, F. Tierresita montanosa. Calif. Gard. 43(2):14-15. Summer 1952. 80 C127
Botanical trip to Costa Rica.

91 WARD, F. K. Plant hunter in Manipur. London,Cape,1952. 254 p. 127 W212PL

92 WARNER, M. F. Domitzer's Pflantzbüchlein. Agr. Hist. 26:59-69. Ref. Apr.1952. 30.98 Ag8

93 WHALEY, W. G. Arid lands and plant research. Sci. Mon. 75:228-233. Oct.1952. 470 Sci23

94 WILSON, C. L. Botany. New York,Dreyden Press,1952. 483 p. 463 W69B

95 WILSON, L. In search of lost forests. Forest & Outdoors 48(10):8-9,24-25. Oct.1952. 99.8 C16
Paleobotany.

96 WYMAN, D. The Arnold Arboretum. Gard. Club Amer. B. 40(6):11-17. Nov.1952. 90.32 G16

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

97 ÅHMAN, S. Plants for Scandinavia. Gard. J. 2:139-141. Sept./Oct.1952. 80 G1635
Plants referred to in Pehr Kalm's report to the University of Abo in Finland, in 1755.

98 ALBL-AICHINGER, G. Kreisschlüssel zum bestimmen der heimischen pflanzenfamilien. Erläuterungsheft. Klagenfurt,Kleinmayr,1951. 16 p. 459.7 AL1

99 BROHMER, P. Gebirge (das taschenbuch für alle naturfreunde zum sicheren bestimmen der pflanzen- und tierwelt des mittel- und hochgebirges). Heidelberg, Quelle & Meyer,1951. 168 p. (Deutschlands Pflanzen- und Tierwelt. Führer durch die Heimischen Lebensräume) 409 B78G

100 BÜTTIKOFER, J. Die Kanarischen Inseln als letztes refugium einer hochinteressanten, aussterbenden, alten flora. Schweiz. Natschutz. 18:75-81. (Cont.) Aug.1952. 279.8 Sch9

101 CLEGG, J. The freshwater life of the British sles. London,Warne,1952. 351 p. (Wayside and Wood- and Series) 409 C58

102 FREY-HUBER, H. Exkursion an die Lötschberg-Südhalde. (Sum.) Bern. Natforsch. Gesell. Mitt. (n.s.)9:XXXIV-XXXV. 1952. 508 B45

103 FREY-HUBER, H. Exkursion ins insubrische Tessin. (Sum.) Bern. Natforsch. Gesell. Mitt. (n.s.)9: XXXV-XXVI. 1952. 508 B45

104 GAUME, R. Excursions botaniques dans la région parisienne. V. Feuille des Nat. (n.s.)7:49-51. May/Aug.1952. 410 F432

105 KITAGAWA, M. Notulae fractae ob floram Asiae Orientalis. 7. (In Japanese.) J. Jap. Bot. 27:201-207. July 1952. 450 J8223
Includes new sp. Eleocharis quaesita.

106 KRAUSE, E. L., and ENDERES, A. VON. Unsere pflanzenwelt; blumen, gräser, bäume und sträucher, pilze, moose und farne der mitteleuropäischen flora. Enl. and rev. by W. Hopp. Berlin,Safari-Verlag, 1952. 587 p. 459 K86

107 LINSDALE, M. A., HOWELL, J. T., and LINSDALE, J. M. Plants of the Toiyabe Mountains area, Nevada. Wasmann J. Biol. 10:129-200. Summer 1952. 442.8 W28

108 LUCKHOFF, C. A. Table Mountain; our national heritage after three hundred years. Cape Town, Balkema,1951. 152 p. 127 L96
Includes the flora of Table Mountain.

109 MCCORMICK, J. The flora of the Shades State Park, Indiana, and the geographical distribution of the species. Butler U. Bot. Studies 10:171-181. Ref. Aug.1952. 451 B97

110 MACÊDO, A. Flora of the "resfriado." (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(4):28-32. Apr.1952. 9.2 M663

111 PAPADAKIS, J. Agricultural geography of the world (Climate, growth rate and rhythm, vegetation, soils, crops, agricultural regions]. Buenos Aires,1952. 131 p. 278 P192

112 POZZO ARDIZZI, L. Flora y fauna de la Antartida. Chacra 22(262):6-7. Sept.1952. 9 C34

113 RECHINGER, K. H., JR. Zur flora der Türkei. (Reliquiae samuelssonianae. IV.) Arkiv f. Bot. (n.s.)1: 513-543. 1952. 451 Sv2

114 RYTZ, W. Einige bemerkenswerte pflanzen von Afghanistan, gesammelt im August 1951 von herrn ing. agr. Alfred Gysel. (Sum.) Bern. Natforsch. Gesell. Mitt. (n.s.)9:XXXVIII. 1952. 508 B45

115 SCHWAIGHOFER, A. Die wichtigsten pflanzen Deutschlands; ein bestimmungsbuch zum gebrauch in schulen und beim selbstunterricht. Ed. 36, rev. by H. Budde. Freilassing,Freytag,1951. 266 p. 459.3 Sch93

116 SKOTTSBERG, C. Weitere beiträge zur flora der insel San Ambrosio (Islas Desventuradas, Chile). Arkiv f. Bot. (n.s.)1:453-469. Ref. 1952. 451 Sv2

117 SMITH, E. C., and SCHOFIELD, W. B. Contributions to the flora of Nova Scotia. Rhodora 54:220-228. Ref. Sept.1952. 450 R34

118 STEYERMARK, J. A. New Missouri plant-records (1949-1951). Rhodora 54:250-260. Oct.1952. 450 R34

119 THOMMEN, E. Taschenatlas der schweizer flora; mit berücksichtigung der ausländischen nachbarschaft. Ed. 2, enl. Basel,Birkhäuser,1951. 309 p. 459.6 T36Ag

120 TOLMACHEV, A. I. Alpine flora of the Poronai mountain range at Sakhalin. (In Russian.) Bot. Zhur. 37:488-495. Ref. July/Aug.1952. 451 R923

121 TROCHAIN, J. Nomenclature et classification des types de végétation en Afrique noire française. 2. Inst. d'Etudes Centrafricaines. B. (n.s.)2:9-18. 1951. 330.9 B73

122 WARD, F. K. The Isle of Purbeck in May. Gard. Chron. 132:84. Aug.30,1952. 80 G162
Dorsetshire, England.

123 YAMAGATA PREFECTURE SOCIETY OF HEREDITY. Tobishima no shokubutsu [Plants in Tobishima Island]. Yamagata,Yamagata Nihuda,1951. 35 p. 460.15 Y12

124 ZANEVELD, J. S., and VERSTAPPEN, H. T. A recent investigation about the geomorphology and the flora of some coral islands in the bay of Djakarta. II. The flora of the islands. J. Sci. Res. 1:58-68. Ref. Mar.1952. 475 J822

125 ZWICKY, H. Die flora der pyrenäen. (Sum.) Bern. Natforsch. Gesell. Mitt. (n.s.)9:XXXII-XXXIII. 1952. 508 B45

Spermatophytes

126 ABEYRATNE, E. A preliminary note on an unrecorded group of paddy varieties occurring in Ceylon. Trop. Agr. [Peradeniya] 108:21-28. Jan./Mar.1952. 26 T751

127 ADAMSON, R. S. A revision of the genera Prismatocarpus and Roella. J. So. African Bot. 17: 93-166. July 1951,pub.July 9,1952. 450 J8262

128 ALBRECHT, G. The Schuss-yucca (Yucca whipplei, var. Schuss). Sci. Mon. 75:250-252. Oct.1952. 470 Sci23

129 ALLEN, P. H. Masdevallia borucana, a new orchid from Costa Rica. Ceiba 3:147-149. Oct.1,1952. 475 C32

130 ALLEN, P. H. The swan orchids, a revision of the genus Cycnoches. II. Orchid J. 1:225-230. (Cont.) May/June 1952. 80 Or174

131 AMES, O., and CORRELL, D. S. Orchids of Guatemala. Fieldiana: Bot. 26(1),395 p. Aug.29,1952. 500 C432B

132 ANDERSON, W. W. Redwood family now fifteen instead of only three, says tree specialist. Pacific Coast Nurseryman 11(9):42,48-49. Sept.1952. 80 P116

133 ARGIKAR, G. P. Solanum melongena var. bulsarensis var. nova, Argikar. Cur. Sci. 21:226-227. Aug.1952. 475 Sci23

134 BACKMAN, A. L. Najas minor All. in Europa einst und jetzt. Acta Bot. Fennica 48,32 p. Ref. 1951. 451 H36A

135 BAKER, H. G. Cytotaxonomic studies in the Plumbaginaceae. (Abs.) Heredity 6:279-280. Aug.1952. 443.8 H42

136 BARRAUD, E. M. What flower is that? Worcester, Eng.,Littlebury,1952. 126 p. 458 B27

137 BLAKE, S. T. A new species of Pultenaea from south-east Queensland. Queensland Nat. 14:49-51. Jan.1951. 410 Q3

138 BOER, H. W. DE. The group Lithops with deep lying blue-green dots. (In Dutch.) Succulenta 5:72-73. 1952. 450 Su12

139 BOOM, B. K. A few questions about names in Crassulaceae. (In Dutch.) Succulenta 5:74-77. (Cont.) 1952. 450 Su12

140 BOYER, J. Les Cactées dans leur pays: les Echinocereus. Cactus [Paris] 7:33-36. (Concl.) June 15, 1952. 450 C114

141 CALDER, J. A. Notes on the genus Carex. I. A new species of Carex from western Canada. Rhodora 54:246-250. Oct.1952. 450 R34

142 CAMPBELL, G. R. The genus Myosurus L. (Ranunculaceae) in North America. Aliso 2:389-403. Aug.31,1952. 450 AL4

143 CHAKRAVARTY, H. L., and GUPTA, K. S. Morphology of the male flower of Coccinia cordifolia (Linn.) Cogn. and its possible systematic position in the family. Bot. Soc. Bengal. B. 5:31-50. Ref. Apr.1951, pub.Mar.31,1952. 451 B659

144 CHATTERJEE, R. Indian Podophyllum. Econ. Bot. 6:342-354. Oct./Dec.1952. 450 Ec7

145 CLAUSTRES, G. Sur quelques plantes atlantiques de la flore ariégeoise. Soc. d'Hist. Nat. de Toulouse. B. 86:24-30. Ref. May 30,1951. 505 T64

146 CORE, E. L. The ranges of some plants of the Appalachian shale barrens. Castanea 17:105-116. Sept.1952. 450 So82

147 CORILLION, R. Phanérogames intéressantes pour la Bretagne. IV. Soc. Sci. de Bretagne B. (Sci. Math. Phys. et Nat.) 25:131-140. 1950,pub.May 20,1952. 505 R292

148 DIETZ, R. A. Variation in the perfoliate Uvularias. Mo. Bot. Gard. Ann. 39:219-247. Ref. Sept. 1952. 451 M69
Uvularia perfoliata and U. grandiflora.

149 DODGE, N. N. Flowers of the Southwest deserts. Ed. 2, rev. Santa Fe, N. M.,1952. 112 p. (Southwestern Monuments Association. Popular Series, 4) 455.8 D66

150 EHRENDORFER, F. Revision der subsect. Ceratocarpa Boiss., sect. Orientigalium Ehrendf. der gattung Galium Tournef. (Rubiaceae-Stellatae). Osterr. Bot. Z. 99:164-167. Jan.3,1952. 450 Os7

151 EPLING, C., and LEWIS, H. Increase of the adaptive range of the genus Delphinium. Evolution 6: 253-267. Sept.1952. 443.8 Ev62

152 EVERIST, S. L. Notes on some plants of western Queensland. Queensland Nat. 14:52-55. Jan.1951. 410 Q3

153 EWAN, J. New records of neotropical Gentianaceae. III. Biol. Soc. Wash. Proc. 65:189-192. Nov.5,1952. 500 W272
Includes new species in Symbolanthus.

154 EWAN, J. A review of the neotropical lisianthoid genus Lagenanthus (Gentianaceae). Mutisia 4:1-5. June 16,1952. 457.5 M98

155 FRANCIS, W. D. A change of name for a timber tree of the rain forest of tropical Queensland. Queensland Nat. 14:56. Jan.1951. 410 Q3
Xanthostemon pachyspermus changed to Tristania pachysperma n. comb.

156 FRIESNER, R. C. The pioneer period in the study of Indiana vascular flora. Butler U. Bot. Studies 10:144-152. Ref. Aug.1952. 451 B97

157 FUJITA, Y. From where Setaria italica came to Japanese Islands? (In Japanese.) J. Jap. Bot. 27: 223-225. July 1952. 450 J8223

158 FUNKE, G. L. Waterplanten [Aquatic plants]. Gorinchem,1951. 250 p. Ref. (Noorduijn's Wetenschappelijke Reeks 38) 463.3 F96

159 GAISER, L. O. Some rarely collected Mexican Brickellias. Rhodora 54:229-232. Sept.1952. 450 R34

160 GARAY, L. A. Two new orchids — subtribe Pleurothallidinae. Orchid J. 1:218-219. May/June 1952. 80 Or174
Pleurothallis latipetala and Lepanthes furcatipetala.

161 GARCIA-BARRIGA, H. Contribución al estudio de las Bombacaceas de Colombia. Mutisia 2:1-5. May 30,1952. 457.5 M98
Quararibea.

162 GARDNER, C. A. West Australian wild flowers. Ed. 8. Perth,West Austral.,1951. 116 p. 460.36 G17W

163 GEORLETTE, R. Les chasseurs de plantes. II. À la recherche des Cactées. Ann. de Gembloux 58: 175-185. Ref. Third Q.1952. 13 G28

164 GILLILAND, H. B. Notes on shrubs and trees in southern Arabia. Trees So. Africa 4:19-20,23. Apr./June 1952. 99.8 T716

165 GOTHAN, W. Ein vorweltlicher baum lebend gefunden. Deut. Akad. der Wiss. Wiss. Ann. 1:161-166. June 1952. 509 D48W
Metasequoia.

166 GRANT, V. Genetic and taxonomic studies in Gilia. I-II. Aliso 2:361-368. Ref. Aug.31,1952. 450 AL4
II, Gilia capitata abrotanifolia; III, The Gilia tricolor complex.

167 GUINEA, E. Melastomataceae fernandopoanae. Soc. Espan. de Hist. Nat. B. Secc. Biol. 49:175-187. 1951. 442.9 So18

168 GUPTA, M. Artemisia in Garhwal. Indian Forester 78:423. Aug.1952. 99.8 In2

169 GUYOMARD, L. Sur la répartition de Parentucellia latifolia (L.) Car. (Scrofulariacées) autour de la baie de Saint-Brieuc (C.-du-N.) Soc. Sci. de Bretagne B. (Sci. Math. Phys. et Nat.) 25:111-112. 1950. pub.May 20,1952. 505 R292

170 HARA, H. Japanese names of Monotropa and Monotropastrum. (In Japanese.) J. Jap. Bot. 27:195-196. June 1952. 450 J8223

171 HARPER, F. J. Notes on some common Nigerian orchids. III. The genus Eulophia. Nigerian Field 17:23-24. (Cont.) Jan.1952. 410 N56

172 HATUSIMA, S. New and noteworthy plants from southern Japan and its adjacent district. 3. J. Jap. Bot. 27:209-212. July 1952. 450 J8223
Includes new sp. in Parthenocissus, Ehretia and Elaeagnus.

173 HATUSIMA, S., and OHWI, J. A new species of Rubus from Amami-oshima. J. Jap. Bot. 27:172. June 1952. 450 J8223
R. amamianus.

174 HAWKES, A. D. A rare terrestrial orchid from Florida and Cuba. Orchid J. 1:220-221. May/June 1952. 80 Or174
Oncidium floridanum.

175 HERBERT, D. A., and BLAKE, S. T. A new orchid [Vanda whiteana] from north Queensland. Queensland Nat. 14:57-60. Jan.1951. 410 Q3

176 HODGDON, A. R., and others. New Potamogeton records in New Hampshire. Rhodora 54:237-246. Oct.1952. 450 R34
P. Giguere, S. B. Krochmal, and A. Riel, joint authors.

177 HOLTTUM, R. E. The Zingiberaceae of the Malay Peninsula. Gard. B. 13(1),249 p. June 30,1952. 22.5 St8

178 HOTTES, A. C. The book of trees. Ed. 3. New York,De La Mare,1952. 440 p. Ref. 97.7 H79

179 HUNT, T. E. The Australian Dipodiums. Orchid J. 1:236-237. May/June 1952. 80 Or174

180 HUNT, T. E. A new species of Dendrobium [D. whiteana] from north Queensland. Queensland Nat. 14:60-61. Jan.1951. 410 Q3

181 INGLIS, B. D. Wild flower studies in colour and pencil. London,Nelson,1951. 150 p. 458 In4

182 JENSEN, H. W. The normal and parthenogenetic forms of Orobanche uniflora L. in the eastern United States. Cellule 54:135-142. Ref. 1951. 442.8 C33

183 JOHNSTON, I. M. Studies in the Boraginaceae. XXIII. A survey of the genus Lithospermum. Arnold Arboretum. J. 33:299-366. Oct.1952. 451 Ar6J
Includes five new species.

184 KEARNEY, T. H. Notes on Malvaceae. III Abutilon and Pseudabutilon in the Galapagos Islands. Madroño 11:285-289. Ref. Oct.1952. 450 M26

185 KENT, D. H., and LOUSLEY, J. E. A hand list of the plants of the London area, flowering plants, ferns and stoneworts. London,1951. 2 v. 458 K41

186 KLEIN, L. Unsere waldbäume, sträucher und zwergholzgewächse. Ed. 4, rev. by F. Bender und H. H. Fickler. Heidelberg,Winter,1951. 159 p. (Sammlung Naturwissenschaftlicher Taschenbücher 4) 459.3 K67

187 KOBENDZA, R. Metasequoia glyptostroboides-nouveau genre et espèce dans la famille de Taxodiaceae. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:175-177. 1951. 99.9 P76

188 KOSHIMIZU, T. The giant Crinum growing in Java is nothing but an ecotype of Crinum asiaticum var. japonicum. (In Japanese.) J. Jap. Bot. 27:180. June 1952 450 J8223

189 KOSTERMANS, A. J. G. H. A historical survey of Lauraceae. J. Sci. & Indus. Res. 1:83-95. (Cont.) Apr.1952. 475 J822

190 KURATA, S. On Berchemia magna var. pubescens. (In Japanese.) J. Jap. Bot. 27:138. May 1952. 450 J8223
English summary.

191 LEANDRI, J. Les Euphorbes épineuses et coralliformes de Madagascar. Cactus [Paris] 7:39-44. (Cont.) June 15,1952. 450 C114

192 LEONARD, E. C. Standleyacanthus, a new genus of Acanthaceae from Costa Rica. Ceiba 3:142-146. Oct.1,1952. 475 C32

193 LEONIDOV, IU. M. Incidence of Sisyrinchium angustifolium Mill. in the Vladimir Region. (In Russian.) Bot. Zhur. 37:535-537. Ref. July/Aug.1952. 451 R923

194 LI, H. L. The genus Acer (maples) in Formosa and the Liukiu [Ryukyu] Islands. Pacific Sci. 6:288-294. Ref. Oct.1952. 475 P11

195 MANN, P. Systematics of flowering plants; an introduction. London,Methuen,1952. 307 p. 452 M315

196 MASCRE, M., and DEYSSON, G. Classification des plantes vasculaires. New ed. Paris, Société d'Edition d'Enseignement Superieur,1951. 439 p. (Bach, D. Cours de Botanique Générale, t. 2) 463 B12

197 MIEG, C. E. On species and genera. Natl. Cactus & Succulent J. 7:43-46. 1952. 450 N21
Cactaceae.

198 MIŠIC, V. Les nouvelles localités à Drosera rotundifolia L. en Serbie. (In Serbo-Croatian.) Srpska Akad. Nauk. Zbornik Radova 11(2):267-271. 1951. 510 B41
French summary.

199 MIZUSHIMA, M. Critical studies on Japanese plants. 1. On some species of Boehmeria, Viola and Paris. J. Jap. Bot. 27:143-147. May 1952. 450 J8223

200 MOLINA R., A. Nuevas plantas de Nicaragua y Honduras. Ceiba 3:91-97. Oct.1,1952. 475 C32
Includes new species in Phrygilanthus, Aeschynomene, Gliricidia, Swartzia, Guettarda, and Perezia.

201 NICHOLLS, W. H. Orchids of Australia. II. Melbourne,Georgian House,1952. pls.25-48. 452.3 N51

202 OHWI, J. A juvenile form of Prunus verecunda Koehne. (In Japanese.) J. Jap. Bot. 27:148. May 1952. 450 J8223
Latin diagnosis of species.

203 OHWI, J. Limosella aquatica L. occurs in Hondo. (In Japanese.) J. Jap. Bot. 27:228. July 1952. 450 J8223

204 OHWI, J. On the meaning of a Japanese name "Hakotsutsuji" for Tripetaleia bracteata Maxim. (In Japanese.) J. Jap. Bot. 27:200. July 1952. 450 J8223

205 OHWI, J. On two forms of Tripetaleia paniculata. (In Japanese.) J. Jap. Bot. 27:200. July 1952. 450 J8223

206 OHWI, J. What is Premna staminea Maxim? (In Japanese.) J. Jap. Bot. 27:195. June 1952. 450 J8223

207 OKA, K. Anamtia stolonifera Koidz. found in Yamaguchi Pref. (In Japanese.) J. Jap. Bot. 27:164. May 1952. 450 J8223

208 PENSKOĬ, I. K. Wild growing grasses on the saline soils of Mugan. (In Russian.) Sovet. Agron. 10(9): 68-75. Sept.1952. 20 So84
Beckmannia eruca eformis, Atropis gigantea, and Trifolium fragiferum.

209 POLUNIN, N. Cochlearia officinalis s.l. (scurvy grass) in northernmost Alaska. Science 116: 430-432. Ref. Oct.17,1952. 470 Sci2

210 RAJEVSKI, L. Neuer fundort von Leontopodium alpinum Cass. in Serbien. (In Serbo-Croatian.) Srpska Akad. Nauk. Zbornik Radova 11(2):259-265. 1951. 510 B41
German summary.

211 RECHINGER, K. H., JR. Beiträge zur kenntnis von Rumex. X. Österr. Bot. Z. 99:523-527. 1952. 450 Os7

212 RECHINGER, K. H., JR. Labiatae novae orientales. Osterr. Bot. Z. 99:37-64. Jan.3,1952. 450 Os7
New species in Marrubium, Ballota, Nepeta, Eremostachys, Stachys, Isinia n.g., Salvia, Calamintha, and Origanum.

213 RECHINGER, K. H., JR. Plantae novae syriacae. (Reliquiae samuelssonianae. III.). Arkiv f. Bot. (n.s.)1:505-512. 1952. 451 Sv2
New species in Allium, Muscari, Sagina, Minuartia, Rosularia, Genista, Hedysarum, Cicer, Lathyrus, and Anchusa.

214 ROLLINS, R. C. Cardamine digitata Richardson (Cruciferae). Rhodora 54:260. Oct.1952. 450 R34

215 SATAKE, Y. On Veronica denkichiana and its allies. (In Japanese.) J. Jap. Bot. 27:133-138. May 1952. 450 J8223
English summary.

216 SCHNEIDER, G. H., JR. Geum canadense, a study of its seasonal periodicity in New Jersey. Castanea 17:117-128. Sept.1952. 450 So82

217 SCHULTES, R. E. Plantae colombianae. XIII. Investigationes specierum Saurauiae: locus tertius. Mutisia 3:1-5. June 2,1952. 457.5 M98

218 SCHWANTES, G. Lithops de boerii Schwantes spec. nov. Natl. Cactus & Succulent J. 7:42. 1952. 450 N21

219 SELIGMAN, R. Cyprus—a few plants of the Kyrenia Range. Alpine Gard. Soc. Q. B. 20:220-235. Sept.1952. 84 AL6

220 SHAW, R. J. A cytotaxonomic study of the genus Geranium in the Wasatch Region of Idaho and Utah. Madroño 11:297-304. Oct.1952. 450 M26

221 SHIELDS, L. M. Sunflower family of the Navajo Indian country and adjacent parts of New Mexico and Arizona. Las Vegas,New Mexico Highlands U. Press, 1951. 75 p. Ref. 452.3 Sh6

222 SMITH, A. C. Studies of Pacific Island plants. XIII. Notes on Fijian Euphorbiaceae. Arnold Arboretum J. 33:367-402. Oct.1952. 451 Ar6J
Includes n. sp. in Antidesma, Glochidion, Buraeavia, Macaranga and Acalpha.

223 SMITH, L. S. Henslowia—an addition to the Australian genera of Santalaceae. Queensland Nat. 14: 62-65. Jan.1951. 410 Q3

224 SMITH, L. B. A new Guzmania [geniculata] from Colombia. Wash. Acad. Sci. J. 42:282-283. Sept. 1952. 500 W276J

225 STANDLEY, P. C. Begonia fonsecae, especie nueva hondureña. Ceiba 3:149-151. Oct.1,1952. 475 C32

226 STANDLEY, P. C., and WILLIAMS, L. O. Plantae centrali-americanae. IV. Ceiba 3:101-132. Oct.1,1952. 475 C32
New species in Malortica, Anthurium, Philidendron, Spiranthes, Cecropia, Ficus, Centrosema, Desmodium, Pithecolobium, Trattinickia, Hiraea, Croton, Vochysia, Cupania, Melochia, Norantea, Cuphea, Centaurium, Stemmadenia, Ipomoea, Bacopa, Callichlamys, and Siphonoglossa.

227 TUYAMA, T. On the etymology of three Japanese names of Ficus erecta. (In Japanese.) J. Jap. Bot. 27:151-152. May 1952. 450 J8223

228 URBINA, M. Notes about the tzauhtli. Orchid J. 1:215. May/June 1952. 80 Or174
Mexican orchids used in making mucilage.

229 URIBE-URIBE, L. Una nueva Inga [I. samanemsis] de Colombia. Mutisia 1:5-6. May 20,1952. 457.5 M98

230 WHITE, C. T. A previously undescribed Pomaderris from south-east Queensland. Queensland Nat. 14:48. Jan.1951. 410 Q3

231 WHITE, W. W. Native cottonwoods of Montana. Mont. Acad. Sci. Proc. 9:33-39. 1949,pub.1951. 500 M762
Includes Populus angustifolia, P. sargentii and P. trichocarpa hastata.

232 WILLIAMS, L. O. Encyclia, a segregate from Epidendrum? Ceiba 3:154-156. Oct.1,1952. 475 C32

233 WILLIAMS, L. O., and STANDLEY, P. C. Pentaplaris, a new genus of Tiliaceae from Costa Rica. Ceiba 3:139-142. Oct.1,1952. 475 C32

234 WOODSON, R. E., JR. A biometric analysis of natural selection in Asclepias tuberosa. (Abs.) Science 116:531. Nov.14,1952. 470 Sci2

235 YAMAZAKI, T. On the limestone plants of Siraiwa of the river Todai, Prefecture Nagano. (In Japanese.) J. Jap. Bot. 27:197-200. Ref. July 1952. 450 J8223
English summary.
Includes Adenophora teramotoi n. sp.

Pteridophytes

236 BROWN, C. A. Note on the occurrence of Ophioglossum crotalophoroides Walt. in Louisiana. Amer. Fern. J. 42:90-92. July/Sept.1952. 450 Am35

237 CHAKRAVARTY, H. L. Indian Ophioglossum; taxonomy and distribution. Bot. Soc. Bengal. B. 5:1-10. Ref. Apr.1951,pub.Mar.31,1952. 451 B659

238 COPELAND, E. B. The American species of Xiphopteris. Amer. Fern. J. 42:93-110. (Concl.) July/Sept.1952. 450 Am35

239 KURATA, S., and NAMEGATA, T. A new variety of Dryoathyrium coreanum. (In Japanese.) J. Jap. Bot. 27:194-195. June 1952. 450 J8223
English summary.

240 LABOURIAU, L. G. "Regnellidium diphyllum" Lindm., a lactescent fern. Rev. Bras. de Biol. 12:181-183. Ref. July 1952. 442.8 R326

241 LECOMTE, H. Flore generale de l'Indochine. 7(2):545-600. Paris,Masson, Oct.1951. 460.13 L49
Pteridophyta by Mme. Tardieu-Blot and C. Christensen and Lycopodiaceae and Selaginellaceae by A. H. G. Alston.

242 POLUNIN, N. Equisetum pratense Ehrh. in Arctic Alaska. Amer. Fern. J. 42:111-113. July/Sept. 1952. 450 Am35

243 REED, C. F. The lycosphens of Maryland, Delaware and the District of Columbia. Castanea 17: 128-136. Sept.1952. 450 So82
Lycopsida and Sphenopsida.

244 SHAVER, J. M. The royalfern, the cinnamon-fern, and the interrupted-fern in Tennessee. Tenn. Acad. Sci. J. 27:248-264. Ref. (Cont.) Oct.1952. 500 T25A

245 STEIL, W. N. Reproduction in Nephrolepis cordifolia. Amer. Fern. J. 42:86-90. July/Sept.1952. 450 Am35

246 TAGAWA, M. Fern miscellany. 6. J. Jap. Bot. 27:213-218. July 1952. 450 J8223
Includes new genus Paradennstaedtia.

247 WAGNER, W. H., JR. Juvenile leaves of two polypodies. Amer. Fern. J. 42:81-85. July/Sept.1952. 450 Am35

Bryophytes

248 AKADEMIIA NAUK. BOTANICHESKIĬ INSTITUT. Flora sporovykh rasteniĭ SSSR [Flora plantarum cryptogamarum USSR], v. 1. Moskva,1952. 252 p. 461 Ak1
Sphagnales by L. I. Savich-Lîubitskala.

249 ANDREWS, A. L. Taxonomic notes. XI. The case of Tripterocladium brewerianum. Bryologist 55:166-172. Sept.1952. 450 B84

250 CASTELL, C. P., comp. New Vice-County records. Hepaticae. Brit. Bryological Soc. Trans. 2: 89-108. 1952. 451 B773

251 CLARK, L., and SVIHLA, R. D. Frullania chilensis. Bryologist 55:190-192. Sept.1952. 450 B84

252 CLARK, L., and SVIHLA, R. D. Frullania guadalupensis. Bryologist 55:189-190. Sept.1952. 450 B84

253 CLARK, L., and SVIHLA, R. D. Frullania intumescens. Bryologist 55:186-189. Sept.1952. 450 B84

254 CRAFT, J. H. A note on Peltigera scabrosa Th. Fries in Colorado. Bryologist 55:185. Sept.1952. 450 B84

255 CRUM, H. A. A preliminary survey of the Nicaraguan moss flora. Bryologist 55:157-165. Sept. 1952. 450 B84

256 CRUNDWELL, A. C. Grimmia homodictyon Dixon. Brit. Bryological Soc. Trans. 2:15-18. 1952. 451 B773

257 DOIGNON, P. Neckera pumila Hedw. var. fontisbleaudi nov. var. Feuille des Nat. (n.s.)7:52-53. May/Aug.1952. 410 F432

258 DUNCAN, U. K. Sphagnum rufescens (Bry. germ.) Aberg. Brit. Bryological Soc. Trans. 2:83. 1952. 451 B773

259 FLOWERS, S. Two Crossidiums in Utah. Bryologist 55:216-218. Sept.1952. 450 B84

260 HATCHER, R. E. Some bryophytes of southern Illinois. Bryologist 55:223-227. Sept.1952. 450 B84

261 HERZOG, T. Aphanotropis Herz., eine neue gattung der Lejeuneaceae aus Borneo. Brit. Bryological Soc. Trans. 2:62-65. 1952. 451 B773

262 HERZOG, T. Nachtrag zu 'Hepaticae Borneenses (Oxford University Expedition to Sarawak, 1932).' Brit. Bryological Soc. Trans. 2:71-73. 1952. 451 B773

263 HERZOG, T. Revision der lebermoosgattung Lembidium mitt. Arkiv f. Bot. (n.s.)1:471-503. Ref. 1952. 451 Sv2

264 HIGUCHI, T. On Andreaea falcata and Voitia nivalis. (In Japanese.) J. Jap. Bot. 27:208. July 1952. 450 J8223

265 HOOPER, S. S. Leucobryum glaucum (Hedw.) Schp. fruiting in Windsor Park (V. C. 17). Brit. Bryological Soc. Trans. 2:86-87. 1952. 451 B773

266 JONES, E. W. Advances in the knowledge of British hepatics since 1926. Brit. Brylogical Soc. Trans. 2:1-10. Ref. 1952. 451 B773

267 JONES, E. W. African hepatics. Brit. Bryological Soc. Trans. 2:55-61. 1952. 451 B773
Cyathodium.

268 JONES, E. W. A bryophyte flora of Berkshire and Oxfordshire. I. Hepaticae and Sphagna. Brit. Bryological Soc. Trans. 2:19-50. Ref. 1952. 451 B773

269 KUCYNIAK, J. Timmia austriaca in Quebec. Bryologist 55:210-215. Ref. Sept.1952. 450 B84

270 NOGUCHI, A., and SHIN, T. Two mosses from Hong Kong (China). J. Jap. Bot. 27:188. June 1952. 450 J8223
Sematophyllum tristiculum and Hyophila involuta.

271 NORKETT, A. H. Fissidens monguilloni Thér. in England. Brit. Bryological Soc. Trans. 2: 11-14. Ref. 1952. 451 B773

272 PONCE DE LEON Y AYMÉ, A. Nociones de botánica sistematica. VI b. Soc. Cubana de Bot. Rev. 9:46-61. Apr./June 1952. 451 So123
Bryopsida.

273 REDFEARN, P. L., JR. The bryophytes of central and southern Florida. Bryologist 55:193-210. Ref. Sept.1952. 450 B84

274 RICHARDS, P. W. Notes on African mosses. I. Andreaea camerunensis sp. nov. and other mosses mostly from Nigeria and the British Cameroons. Brit. Bryological Soc. Trans. 2:66-70. Ref. 1952. 451 B773

275 ROSE, F. A bryophyte flora of Kent. IV. Addenda and corrigenda. Brit. Bryological Soc. Trans. 2:51-52. 1952. 451 B773

276 ROSE, F. Eurhynchium pulchellum (Hedw.) Jennings, var. praecox (Hedw.) C. Jens. Brit. Bryological Soc. Trans. 2:85. 1952. 451 B773

277 ROSE, F. Lophozia schultzii (Nees) Schiffn., var. laxa Schiffn. Brit. Bryological Soc. Trans. 2:86. 1952. 451 B773

278 ROSE, F. Preissia quadrata (Scop.) Nees in the lowlands of southern England. Brit. Bryological Soc. Trans. 2:85-86. 1952. 451 B773

279 SAKURAI, K. A new classification of the genus Dicranum in Japan. 2. J. Jap. Bot. 27:153-158. May 1952. 450 J8223

280 SCHUSTER, R. M. Notes on Nearctic Hepaticae. V. The status of Lophozia gracillima Buch and its relationships to Lophozia longidens, Lophozia porphyroleuca and Sphenolobus ascendens. Bryologist 55:173-185. Ref. Sept.1952. 450 B84

281 SHIN, T. Contributions to the moss flora of southern Japan. 3. J. Jap. Bot. 27:149-151. May 1952. 450 J8223

282 WADE, A. E., and RICHARDS, P. W. Southbya nigrella (De Not.) Spruce in Wales. Brit. Bryological Soc. Trans. 2:87-88. 1952. 451 B773

283 WALTERS, M. B. Mosses of a northern Ohio area. Ohio J. Sci. 52:291-295. Sept.1952. 410 Oh3

284 WIJK, R. VAN DER. A probably little known page of Hedwig's Species Muscorum. Brit. Bryological Soc. Trans. 2:82-83. 1952. 451 B773

Algae

285 BOCK, O. Beobachtungen an Vaucheria des fränkischen raumes. Aschaffenburg. Natwiss. Mus. Nachr. 35:1-12. May 1952. 409.6 As2

286 CORILLION, R. Nitella batrachosperma Braun. Notes systématiques, phytogéographiques et phytosociologiques. Soc. Sci. de Bretagne B. (Sci. Math. Phys. et Nat.) 25:99-109. Ref. 1950,pub.May 20,1952. 505 R292

287 DAILY, F. K. "Cladophora balls" collected in Steuben County, Indiana. Butler U. Bot. Studies 10: 141-143. Aug.1952. 451 B97

288 DAILY, W. A., and MCCORMICK, J. The phytoplankton of the J. W. Frisz Memorial Lagoon, Shades State Park, Indiana. Butler U. Bot. Studies 10: 218-219. Aug.1952. 451 B97

289 DIZERBO, A. H. Les algues de la vallée marine de l'Odet (Finistère) et leur répartition. Soc. Sci. de Bretagne B. (Sci. Math. Phys. et Nat.) 25:93-98. 1950,pub.May 20,1952. 505 R292

290 DIZERBO, A. H. La végétation des algues marines de l'Aulne (Finistère). Soc. Sci. de Bretagne B. (Sci. Math. Phys. et Nat.) 25:85-92. 1950,pub.May 20, 1952. 505 R292

291 DROUET, F., and DAILY, W. A. A synopsis of the cocoid Myxophyceae. Butler U. Bot. Studies 10: 220-223. Aug.1952. 451 B97

292 FUKUSHIMA, H. Cyanophyceae of Oze, central Japan. J. Jap. Bot. 27:173-179. June 1952. 450 J8223

293 GEITLER, L. Eremotyle affixa, n. gen., n. sp., eine neue Protococcale (Chlorophycee). Osterr. Bot. Z. 99:244-252. 1952. 450 Os7

294 KNAPP, R., and LIETH, H. Uber ursachen des verstärkten auftretens von erdbewohnenden Cyanophyceen. Arch. f. Mikrobiol. 17:292-299. Ref. 1952. 442.8 Ar26

295 MACK, B. Über ein eigentümliches verhalten isolierter plastiden in der magenwand des rotators Ascomorpha ecaudis Perty. Osterr. Bot. Z. 99:156-160. Ref. Jan.3,1952. 450 Os7

296 MACK, B. Uber einige epiphytische Chrysophyceen. Osterr. Bot. Z. 99:396-401. Ref. 1952. 450 Os7

297 MÖLDER, K. Beiträge zur kenntnis der rezenten diatomeenflora Ostkareliens. Suomalaisen Eläin-ja Kasvitiet. Seuran Vanamon Kasvitiet. Julkaisuja 25(1),35 p. Ref. 1951. 451 Su7
Includes n. spp. in: Melosira, Actinella, Fragilaria, Eunotia, Achnanthes, Frustulia, Stauroneis and Pinnularia.

298 PAPENFUSS, G. F. Notes on South African marine algae. III. J. So. African Bot. 17:167-188. Ref. Oct.1951,pub.Aug.1952. 450 J8262

299 SCHILLER, J. Neue mikrophyten aus dem Neusiedler See und benachbarter gebiete. I. Osterr. Bot. Z. 99:100-117. Ref. Jan.3,1952. 450 Os7
Includes new species in Pseudopedinella and Chlamydomonas.

300 SCHILLER, J. Neue oder wenig bekannte mikrophyten aus dem Neusiedler See und benachbarter gebiete. Osterr. Bot. Z. 99:363-369. 1952. 450 Os7
Includes new species in Euglena.

301 SCHUMACHER, G. J., and MUENSCHER, W. C. Plankton algae of some lakes of Whatcom County, Washington. Madroño 11:289-297. Oct.1952. 450 M26

302 UMEZAKI, I. Marine Cyanophyceae from Japan. 5. (In Japanese.) J. Jap. Bot. 27:219-222. July 1952. 450 J8223
English summary.

303 WENDT, A. Die aquarienpflanzen in wort und bild, lieferung 4 (blatt 61-80). Stuttgart,Kernen,1951. 92 p. 452.35 W48

Fungi (Including Lichens)

304 AHMED, Q. A. Fungous flora of Dacca and suburbs. I. Bot. Soc. Bengal. B. 5:51-54. Apr.1951, pub.Mar.31,1952. 451 B659

305 ANDERSON, J. P. The Uredinales of Alaska and adjacent parts of Canada. Iowa State Col. J. Sci. 26:507-526. July 1952. 470 Io9

306 BACHE-WIIG, S. Further notes on Cryptomycina pteridis. Mycologia 44:705-708. Sept./Oct.1952. 450 M99

307 BAKSHI, B. K. Oedocephalum lineatum is a conidial stage of Fomes annosus. Brit. Mycol. Soc. Trans. 35:195. Sept.1952. 451 B76

308 BASU, S. N. Studies on Penicillium wortmanni Klocker and Penicillium vermiculatum Dangeard with special reference to strain variation. Bot. Soc. Bengal B. 5:11-18. Apr.1951,pub.Mar.31,1952. 451 B659

309 BISBY, G. R. The name Oidium. Brit. Mycol. Soc. Trans. 35:236-237. Sept.1952. 451 B76

310 BISSET, K. A., and MOORE, F. W. Bacteria. Edinburgh,Livingstone,1952. 123 p. 448.2 B542B

311 BOND, T. E. T. A further note on size and form in agarics. Brit. Mycol. Soc. Trans. 35:190-194. Sept.1952. 451 B76

312 CHAPMAN, G. H. The isolation and differentiation of Monilia and other fungi. N. Y. Acad. Sci. Trans. (ser.2)14:254. Apr.1952. 500 N484T

313 DENNIS, R. W. G., and ELLIS, M. B. Capnodium footii and Strigula babingtonii. Brit. Mycol. Soc. Trans. 35:196-200. Ref. Sept.1952. 451 B76
Chaetothyrium babingtonii name proposed for both organisms.

314 DIX, W. L. Some Peruvian lichens. Bryologist 55:218-223. Sept.1952. 450 B84

315 EASTWOOD, D. J. The fungus flora of composts. Brit. Mycol. Soc. Trans. 35:215-220. Sept.1952. 451 B76

316 FRIEDMANN, I. Uber neue und wenig bekannte auf Diatomeen parasitierende Phycomyceten. Osterr. Bot. Z. 99:173-219. Ref. 1952. 450 Os7

317 GREENE, H. C. Notes on Wisconsin parasitic fungi. XVII. Wis. Acad. Sci. Arts & Let. Trans. 41: 117-128. 1952. 500 W75
Includes n. spp. in Phleospora, Cladosporium and Coremium.

318 GROVES, J. W. The genus Tympanis. Canad. J. Bot. 30:571-651. Ref. Sept.1952. 470 C16C
Includes 16 new species.

319 HESLER, L. R. Notes on southern Appalachian fungi. X. Tenn. Acad. Sci. J. 27:271-277. Oct.1952. 500 T25A

320 HONGO, T. Larger fungi of the Provinces of Omi and Yamashiro. 3. (In Japanese.) J. Jap. Bot. 27: 189-194. June 1952. 450 J8223

321 HONGO, T. Notes on Japanese larger fungi. 3. J. Jap. Bot. 27:159-163. May 1952. 450 J8223
Lepiota, Hygrophorus, Coprinus.

322 IMAZEKI, R., and TOKI, S. A winter loving mushroom, Pleurotus spodoleucus (Fr.) Quél. (In Japanese.) Rin-Go-Shiken-Hokoku 53:69-82. July 1952. 99.8 R47
English summary.

323 JENKINS, A. E., and MILLER, J. H. A new species of Sphaceloma on Magnolia. Wash. Acad. Sci. J. 42:323-325. Oct.1952. 500 W276J

324 JENSEN, H. L. Recent work on Nitrosomonas. (Sum.) Soc. Appl. Bact. Proc. 14(2):x-xi. Oct.1951,pub. Oct.1952. 448.39 So12
From farmyard manure.

325 JØRGENSEN, H. A. Studies on Nectria cinnabarina; hosts and variations. Denmark. Vet.-og Landbohøjsk. Plantepatol. Afd. Meddel. 35:59-120. Mar.1952. 464.9 C79

326 KATSUKI, S. Notes on some new or noteworthy fungi in Kyushu. II. Kyushu Noji Shikinjo 8: 83-84. Oct.1951. 107.6 K996

327 KOBAYASI, Y., and OOKUBO, M. Studies on the aquatic fungi of Ozegahara Moor. 2. (In Japanese.) J. Jap. Bot. 27:181-188. June 1952. 450 J8223
English summary.
Includes new sp. in: Aplanes and Nectria.

328 LODDER, J., and KREGER-VAN RIJ, N. J. W. The yeasts: a taxonomic study. Amsterdam,North-Holland,1952. 713 p. 462.05 L82

329 LOHWAG, K. Der hausschwamm Gyrophana lacrymans (Wulf.) Pat. und seine begleiter. Sydowia 6:268-283. Ref. 1952. 450 Sy2

330 LOWY, B. The genus Auricularia. Mycologia 44:656-692. Ref. Sept./Oct.1952. 450 M99

331 MCKEEN, C. G. Studies of Canadian Thelephoraceae. IX. A cultural and taxonomic study of three species of Peniophora. Canad. J. Bot. 30:764-787. Ref. Nov.1952. 470 C16C

332 MENZEL. Ein gekrönter pilz [Geaster coronatus]. Orion 7:709-710. Sept.1952. 474 Or4

333 MOSER, M. Cortinarien-studien. III. Sydowia 6:17-161. Ref. 1952. 450 Sy2
Includes 10 n. sp. of Cortinarius.

334 PETRAK, F. Beiträge zur pilzflora von Niederösterreich. Sydowia 6:227-240. 1952. 450 Sy2

335 PETRAK, F. Fungi beltsvillenses. III. Sydowia 6:5-16. 1952. 450 Sy2
Includes n. sp. in Massaria, Massarina, Karstenula, Pleomassaria, Shearia, Ceratostoma, Melanconis, and Discosporina.

336 PETRAK, F. Gaeumanniella n. gen., eine neue, sehr isoliert stehende gattung der Pyrenomyzeten. Sydowia 6:162-164. 1952. 450 Sy2

337 PETRAK, F. Die gattung Actinodothidopsis Stevens. Sydowia 6:241-245. 1952. 450 Sy2
Includes A. nitida n. sp.

338 PETRAK, F. Die gattung Mattirolia Berl. et Bres. Sydowia 6:293-295. 1952. 450 Sy2

339 PETRAK, F. Die gattung Schizocapnodium. Sydowia 6:265-267. 1952. 450 Sy2

340 PETRAK, F. Rhopaloconidium n. gen., eine neue gattung der Mucedineen. Sydowia 6:299-301. 1952. 450 Sy2

341 PETRAK, F. Serenomyces n. gen., eine neue gattung der Ceratostomaceen. Sydowia 6:296-298. 1952. 450 Sy2

342 PETRAK, F. Shearella n. gen., eine neue gattung der phaeosporen Sphaeropsideen. Sydowia 6: 302-305. 1952. 450 Sy2

343 PETRAK, F. Stevensonula n. gen., eine neue gattung der Parasphaeropsideen. Sydowia 6:1-4. 1952. 450 Sy2

344 PETRAK, F. Uber die gattung Massariovalsa Sacc. Sydowia 6:284-287. 1952. 450 Sy2

345 PETRAK, F. Uber zwei hysterioide Askomyzeten auf Smilax. Sydowia 6:290-292. 1952. 450 Sy2
Gloniopsis smilacis and Hysterium sp.

346 RIPPEL-BALDES, A. Grundriss der mikrobiologie. Ed. 2. Berlin,Springer,1952. 404 p. 448.2 R48

347 SAWADA, K. Researches on fungi in the Tohoku District of Japan. II. (In Japanese.) Rin-Go-Shiken-Hokoku 53:135-194. Ref. July 1952. 99.8 R47
Includes new species in Lophodermium, Hysterium, Hypodermopsis, Coccodinium, Phyllachora, Phragmocarpella, Clypeostroma, Coleroa, Mycosphaerella, Phaeosphaeria, Gnomoniella and Diaporthe.

348 SCHMIDT, H. Essbare pilze. Unser Wald 5 (7/8):12-13. July/Aug.1952. 99.8 Un7

349 SHAW, C. G., and HUBERT, E. E. A review of the Leptographium—Scopularia—Hantzschia nomenclature. Mycologia 44:693-704. Ref. Sept./Oct.1952. 450 M99

350 SINGER, R. The agarics of the Argentine sector of Tierra del Fuego and limitrophous regions of the Magallanes Area. I. White and pink spored groups. Sydowia 6:165-226. 1952. 450 Sy2
Includes n. sp. in Camarophyllus, Clitocybe, Collybia, Omphalina, Tricholoma, Porpoloma, n.g., Melanoleuca, Pleurotus, Mycenella and Pluteus.

351 SMITH, G. Masoniella nom.nov. Brit. Mycol. Soc. Trans. 35:237. Sept.1952. 451 B76

352 SOEHNER, E. Bayerische Hysterangium-arten Sydowia 6:246-264. Ref. 1952. 450 Sy2

353 SPARROW, F. K. A contribution to our knowledge of the Phycomycetes of Cuba. Soc. Cubana de Bot. Rev. 9:34-40. Apr./June 1952. 451 So123

354 TOMLINSON, J. A. Brown core root rot of Primula caused by Phytophthora primulae n. sp. Brit. Mycol. Soc. Trans. 35:221-235. Ref. Sept.1952. 451 B76

355 VITOMIR, M. Endothia parasitica in Slovenia. (In Serbo-Croatian.) Šumarski List 76:178-180. May/June 1952. 99.8 Su6
Newly discovered in Yugoslavia.

356 WEBSTER, J. Graminicolous Pyrenomycetes IV. Microthyrium nigro-annulatum n.sp. and M. graminеum. Brit. Mycol. Soc. Trans. 35:208-214. Sept.1952. 451 B76

357 WEHMEYER, L. E. The genera Leptosphaeria, Pleospora, and Clathrospora in Mt. Rainier National Park. Mycologia 44:621-655. Ref. Sept./Oct.1952. 450 M99
Includes n. sp. in Leptosphaeria and Clathrospora.

358 WICKERHAM, L. J. Recent advances in the taxonomy of yeasts. Annu. Rev. Microbiol. 6:317-332. Ref. 1952. 448.3 An72

PATHOLOGY

General

359 ABBISS, H. W. Bulb sterilising makes progress. Fruit Grower 2960:497-498. Sept.18,1952. 80 F941
Hot water treatment of Narcissus bulbs.

360 ABBOTT, E. V., and MARTIN, J. P. The sugarcane disease situation in Peru. Plant Dis. Rptr. 36:387-388. Oct.15,1952. 1.9 P69P
Includes Sclerospora disease.

361 ANDERSEN, A. L., and DE ZEEUW, D. J. Pea seed treatment investigations (report of progress). Mich. Agr. Expt. Sta. Q. B. 35:25-33. Aug.1952. 100 M58S

362 ATKINSON, J. D. Frost damage to apricot blossoms and fruit. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:277-285. Oct.1952. 514 N48A

363 AUDIBERT. Les incertitudes des ans. Viticult. Nouvelle 5(53):17-18. Sept.1952. 390.8 V832
Grape diseases.

364 BAKER, K. F. Floriculture diseases. Florists' Rev. 111:37,95-99. Nov.6,1952. 80 W41

365 BANT, J. H., and STOREY, I. F. Hot-water treatment of celery seed in Lancashire. Plant Pathol. 1:81-83. Sept.1952. 464.8 P692

366 BEWLEY, W. F. The importance of clean seeds in the tomato industry. Tomato & Cucumber Mktg. Bd. J. 1(5):11,13-14. July 1952. 280.3919 T591

367 BIEHN, E. R. Crop damage by wildlife in California with special emphasis on deer and waterfowl. Calif. Dept. Fish & Game. Game B. 5,71 p. Ref. 1951. 412.9 C12G

368 BIRAGHI, A. On the decline of olive trees in Latium and on Lake Garda. (In Italian.) Olearia 6:234-237. July/Aug.1952. 307.8 OL2
English summary.

369 BRAZIL. SERV. DE INFORMAÇÃO AGRICOLA. Doenças e pragas das plantas de horta [Diseases and pests of garden plants], by C. V. Rego, J. G. Gomes, and G. B. Alvim. Ed. 2. Rio de Janeiro,1950-1951. 4 v. (S.I.A. 166) 423 B736

370 BRETZ, T. W. Diseases of shade trees. (Sum.) Arborist's News 17:81-84. Sept.1952. 99.8 Ar14
Oak wilt, elm phloem necrosis and Dutch elm disease.

371 BUNINA, A. M. Treatment of kok-saghyz and tau-saghyz seeds with granosan. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:30-31. Mar.1952. 20 D742

372 CALAVAN, E. C., and SUFFICOOL, J. R. Pruning lemon trees affected with dry bark, severe decline or collapse. Citrus Leaves 32(10):6-9,37. Oct. 1952. 80 C492

373 CANADA. DEPT. OF AGRICULTURE. SCIENCE SERV. DIV. OF BOTANY AND PLANT PATHOLOGY. Thirty-first annual report of the Canadian plant disease survey 1951, compiled by I. L. Conners, and D. B. O. Saville. Ottawa,1952. 122 p. 464.9 C16S

374 CHRISTENSEN, J. J. What's new in barley diseases. Grain & Feed J. Consolidated 109(8):17. Oct.22,1952. 298.8 G762

375 CONFERENCIA NACIONAL DE COORDINACIÓN FITOSANITARIA. Trabajos, actas, ponencias, resoluciones, 1950. Buenos Aires,1951. 127 p. 464.9 C768

376 CRAGG, J. B., and VINCENT, M. H. The action of metaldehyde on the slug Agriolimax reticulatus (Müller) Ann. Appl. Biol. 39:392-406. Sept.1952. 442.8 An72

377 CRONSHEY, J. F. H. Pests of wheat and autumn-sown crops. Dunns Seed Wheats, Autumn Cereals & Forage Crops 1952:18-20. 61.9 D922

378 DAVIS, S. H. Diseases of Chrysanthemums. Natl. Chrysanthemum Soc. B. 8(3,sup.):16-20. Sept.1952. 96.519 Ea7

379 DESROSIERS, R., and BUCHWALD, A. VON. Control of diseases in cacao propagators. Inter-Amer. Tech. Cacao Comt. Proc. 4:82-88. June 1952. 68.39 In8

380 DJURIĆ, J. Importance of quarantine in plant protection. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):13-14. July 1952. 21.5 V87

381 DREES, H. Kleines pflanzenschutz lexikon. Frankfurt a.M.,Verlag Kommentator,1951. 132 p. 464 D812

382 DUMAS, J. Une forme de dépérissement du cerisier d'origine inconnue, observée dans la région lyonnaise. Acad. d'Agr. de France. Compt. Rend. 39: 411-415. June 11/18,1952. 14 P215Bc

383 FENNE, S. B. How to control tobacco diseases. South. Planter 113(10):6,18-19. Oct.1952. 6 So89

384 FERGUSON, W. C. A new spray adhesive for the potato grower. Badger Common 'Tater 5(8):11. Aug. 1952. 75.8 B14

385 FERNAND, FATHER. Results of a year experiment in spraying and dusting at the Oka Agricultural Institute, summer 1950. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:49-53. 1950,pub.1951. 82 Q3
Apples.

386 FITZWATER, W. D., JR. 10 ways to check rodent damage. Amer. Fruit Grower 72(10):12,22. Oct. 1952. 80 G85

387 GATES, C. M., and SOULE, M. J., JR. A survey of diseases lethal to Tahiti (Persian) limes in Dade County. Fla. State Hort. Soc. Proc. 63:225-228. 1950,pub.1951. 81 F66

388 GAUTHIER, G. Introduction to the spray guide. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:32-34. 1950,pub.1951. 82 Q3

389 GAUZE, G. F. Antibiotics in the control of plant diseases. (In Russian.) Priroda 41(6):105-107. June 1952. 410 P933

390 GEIER, P., and SAVARY, A. Notre service d'avertissements phytosanitaires: ses limites actuelles et ses possibilités d'améliorations. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:68-69. Sept.1952. 17 J82A

391 GELEIN, C. Diseases and injuries to winter Lathyrus. (In Dutch.) Vakbl. v. de Bloemisterij 7:248. July 4,1952. 80 V22

392 GENTILE, G. Auxiliary control measures. (In Italian.) Frutticolt. Campana 1(24):1,3. Dec.25,1951. 80 F9474
Cultural methods to aid in disease and pests control.

393 GENTILE, G. Compulsory control of diseases and pests. (In Italian.) Frutticolt. Campana 1(23):1,3. Nov.5,1951. 80 F9474

394 GENTILE, G. Economy measures in the control of diseases and pests. (In Italian.) Frutticolt. Campana 2(6):1,3. June 25,1952. 80 F9474

395 GLENDENNING, R. Slug control in Canada. Canada. Sci. Serv. Div. Ent. Processed P. 85,5 p. 1952. 423.92 C16P

396 GODOY, E. F. La siembra de los linos resistentes al marchitamiento y desinfección de la semilla. Bolsa de Com. Rosario. Rev. 40(974):7-10. Aug.15,1952. 287 R71

397 GOFFART, H. Die bedeutung der rübenkrankheiten im westfälischen raum. Landwirt Wchnbl. f. Westfalen u. Lippe 109A:1655-1656. Oct.9,1952. 18 L2346

398 GRIFFITHS, J. T., STEARNS, C. R., and THOMPSON, W. L. Comparison of dusting and spraying over a three year period. Citrus Mag. 15(2):36-38. Oct.1952. 80 C498

399 GRIFFITHS, J. T., STEARNS, C. R., and THOMPSON, W. L. Possibilities for the use of concentrated sprays on citrus in Florida. Fla. State Hort. Soc. Proc. 63:53-59. 1950,pub.1951. 81 F66

400 GUSEV, V. I., and RIMSKIĬ-KORSAKOV, M. N. Opredelitel' povrezhdeniĭ lesnykh i dekorativnykh derev'ev i kustarnikov Evropeĭskoĭ chasti SSSR [A key to injuries of forest and ornamental trees and shrubs of European SSSR]. Ed. 3, rev. and enl. Moskva,Goslesbumizdat,1951. 580 p. 423 G97

401 HANAMITSU, C. Cracking in the root vegetables. II. (In Japanese.) Hort. Assoc. Japan. J. 21:41-45 June 1952. 87 H78

402 HARRIS, M. R. How to prevent rots in apples Better Fruits 47(5):7-8. Nov.1952. 80 B46

403 HASSEBRAUK, K. Bericht über die ergebnisse der deutschen landwirtschaftlichen pflanzenschutzforschung, 1945-1950. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 13, 66 p. Ref. 1951. 18 G312S

404 HAUCK. Eine neue kartoffelkrankheit? Bad. Landwirt. Wchnbl. 119:632. Sept.13,1952. 18 B142

405 HEDDERGOTT, H. Schädlingsbekämpfung im obst- und gemüsebau. Hiltrup bei Münster,Landwirtschaftsverlag,1952? 17 p. 464.4 H35

406 HOFFMAN, P. F. Winter injury to trees in Illinois. Plant Dis. Rptr. 36:389-390. Oct.15,1952. 1.9 P69P

407 HOYT, A. S. Florida's stake in plant quarantine enforcement. Fla. State Hort. Soc. Proc. 63:48-53. 1950,pub.1951. 81 F66

408 HUBERT, K. Massnahmen zur schulung der pflanzenschutzmitarbeiter notwendig. Deut. Landwirt. 3:534-537. Oct.1952. 18 D4822
Education for plant disease and pest control.

409 JACKS, H. List of plant therapeutants under test in New Zealand. First supplement—September 1, 1952. Orchardist New Zeal. 25(9):31. Oct.6,1952. 80 Or19

410 JACKS, H. Seed disinfection. III-IV. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:202-208. Aug.1952. 514 N48A

411 JACKS, H. Testing new spray materials. Orchardist New Zeal. 25(9):29. Oct.6,1952. 80 Or19

412 JENKINS, C. F. H. Insect pests and their control; snails and slugs. West. Austral. Dept. Agr. J. (ser.3)1:341,343,345-347. May/June 1952. 23 W52J

413 KATWIJK, W. VAN. Round brown spots on apples. (In Dutch.) Fruitteelt 42:544-545. July 10,1952. 86 N28

414 KEYWORTH, W. G. Root injury as a factor in the assessment of chemotherapeutants by the tomato Fusarium wilt test. Ann. Appl. Biol. 39:441-442. Sept. 1952. 442.8 An72

415 KOBEL, F. Frostschäden an früchten der Zucalmaglio-Reinette. Schweiz Z. f. Obst- u. Weinbau 61:385-386. Sept.20,1952. 80 Sch9

416 KRASIL'NIKOV, N. A. Antibiotics in plant industry. (In Russian.) Priroda 41(7):17-27. July 1952. 410 P933
Chiefly in disease control.

417 LAUE, G. Die neuen cumarin-mittel zur rattenbekämpfung. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:127-130. Ref. July 1952. 464.9 N11

418 LEIB, E. Pflanzenschutz und landwirtschaftliche praxis. Gesunde Pflanzen 4:237-240. Sept.1952. 464.8 G33

419 LEWIS, G. T. Elm diseases. Prof. Gard. 4:134-135. (Cont.) July 1952. 80 P945

420 LINDEN, L. VAN DER. Hints to the cabbage growers. (In Flemish.) Tuinbouwberichten 16:99-100. July 15,1952. 80 T817
Diseases and pests.

421 LOEWEL, E. L. Fruchtschäden im niederelbischen obstanbaugebiet und deren ursachen. Obstbauversring. Mitt. 7:139-145. July/Aug.1952. 85 J76

422 LUNA ERCILLA, C. A. Semana de sanidad vegetal. Pampa Argentina 25(297):3. Sept.1952. 9 P19

423 LUSTIG, E. Schädlingsbekämpfung und bodenständiger obstbau. Gart.-Z. Illus. Flora 75:112-114. Oct.1952. 80 G1991
Austria.

424 MCMASTER, P. G., and SOLLY, N. R. Coffee and its economics in Kenya. VII. Diseases and pests. Coffee Bd. Kenya Mon. B. 17:154-156. July 1952. 68.29 C652

425 MAGIE, R. O. Breeding Gladiolus for disease resistance. Fla. State Hort. Soc. Proc. 64:210-212. 1951,pub.1952. 81 F66

426 MARQUEZ, S. The plant quarantine and inspection service. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.39-57. Manila,Graphic House, 1952. 37 P533

427 MASTEN, V. Tuberculosis of vines - pseudo fungus disease of vines. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:142-146. May/June 1952. 21.5 Sa1

428 MATEKOVIĆ, S. Emergence and eradication of a disease of delicate vines in 1951. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:138-142. May/June 1952. 21.5 Sa1

429 MESA BERNAL, D. Consideraciones sobre la enfermedad del cocotero denominada "hoja pequeña" o "porroca." Rev. Nac. de Agr. 46(567):23-26,28-30, 32-34,36-38. July 1952. 9.4 R32

430 MILLER, P. R., and O'BRIEN, M. Plant disease forecasting. Bot. Rev. 18:547-601. Ref. Oct.1952. 450 B6527

431 MISCHLING, F. Zuckerrübenkrankheiten. Bauer 4(35):3-5. Oct.20,1951. 19 B32
Austria.

432 MULLER, A. S. Plant disease records at Zamorano, Honduras, 1950-1952. Ceiba 3:85-91. Oct.1, 1952. 475 C32

433 MURASE, H., and TAKEHARA, K. On the development of so-called "Shiraho" (white ear) of rice plants damaged by typhoon Ketzia. (In Japanese.) Kyushu Noji Shikinjo 8:33-34. Oct.1951. 107.6 K996

434 NAFTHALI, J. Damage caused by the fruit bat. (In Hebrew.) Hassadeh 32:496-497. July 1952. 26 H27
Rousettus aegyptiacus.

435 NETO, J. P. DA C. Bibliography of wheat diseases in Rio Grande do Sul. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:58-74. Apr./June 1952. 9.2 R325

436 PANIC, Z. Aerial spraying of vineyards on the estate "Sanja Marinkovic" in 1951. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):15-17. July 1952. 21.5 V87

437 PINTO SALVATIERRA, J. Sanidad vegetal. Agr. Venezol. 17(154):38. Jan./July 1952. 9.95 Ag8

438 PLATE, H. P., and FRÖMMING, E. Quantitative untersuchungen über die wirksamkeit einiger metaldehydpräparate gegenüber landlungenschnecken. Anz. f. Schädlingsk. 25:133-136. Ref. Sept.1952. 421 An9

439 PREŠERN, T. Black rot of grapes in Vipavski vineyards. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:146-147. May/June 1952. 21.5 Sa1

440 RAMSFJELL, T. Diseases of house Hydrangeas. (In Norwegian.) Gartneryrket 42:519-520. July 26,1952. 80 G1938

441 RECKENDORFER, P. Ein beitrag zur mikrochemie des rauchschadens durch fluor; die wanderung des fluors im pflanzlichen gewebe. Pflanzenschutzberichte 9:33-55. Ref. Sept.1952. 464.9 P48
English summary.

442 REYES, G. M. Plant pathological research. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.33-38. Manila,Graphic House,1952. 37 P533

443 RIEUF, P. Les maladies non parasitaires du riz. Terre Marocaine 274:331-333. Sept.1952. 24 T44

444 ROSELLA, E. Lorsqu'il y a brulures, accidents ou échecs à la suite de traitements antiparasitaires. Prog. Agr. et Vitic. 138:181-183. Sept.21/28,1952. 14 P94
Fungicides.

445 RUI, D. Survey of plant pathology. (In Italian.) Agr. Vicentina 82(17):3. (Cont.) Sept.1,1952. 16 Ag8257

446 SCHREIER, O. Die feldmaus. Bundesanst. f. Pflanzenschutz. Flugbl. 84,2 p. 1952. 464.9 V672F

447 SCHREIER, O. Kulturschäden durch wild. Bundesanst. f. Pflanzenschutz. Flugbl. 80,2 p. 1951. 464.9 V672F

448 SCOTLAND. DEPT. OF AGRICULTURE. Raspberry diseases in Scotland. Scot. Dept. Agr. Adv. L. (n.s.)7,rev.,10 p. May 1952. 10 Sco82L

449 SIANG, W. N. Host index to non-fungus diseases of plants in China. Plant Dis. Rptr. Sup. 215: 165-186. Aug.15,1952. 1.9 P69P

450 SIMARD, T. The spray guide for apple trees. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:35. 1950,pub.1951. 82 Q3

451 SIMMONDS, J. H. A little known parasitic flowering plant [Balanophora fungosa]. Queensland Nat. 14:66-68. Jan.1951. 410 Q3
On papayas.

452 SMITH, N. M. Some observations on frost injury to sugar cane—Nambour area. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 56:25-33. July 1, 1952. 65.9 Q3C

453 SMITH, W. P. C. Hormone weedicide injury to grape vines. West. Austral. Dept. Agr. J. (ser.3)1:502-503. July/Aug.1952. 23 W52J

454 SPARKS, H. Money down the hole. Calif. Citrog. 38:6,20,22. Nov.1952. 80 C125
Gopher control.

455 SPEYER, W., and BOCKMANN, H. Krankheiten und schädlinge der erbsen und bohnen. Biol. Bundesanst. Braunschweig. Flugbl. G1,12 p. Apr.1952. 464.9 B833

456 STEARNS, C. R., JR., and others. Progress report on concentrated sprays on citrus in Florida. Fla. State Hort. Soc. Proc. 64:64-66. 1951,pub.1952. 81 F66
J. T. Griffiths, W. L Thompson, and E. J. Deszyck, joint authors.

457 STOJANOVIC, D. Bolesti i štetocine kulturnih biljaka [Diseases and enemies of cultivated plants]. Beograd,Zadružna Knjiga,1951. 213 p. 464.4 St6

458 TSUCHIYA, K. On the hail damage in the vineyard of Kofu-basin. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:65-67. June 1952. 340.9 So1
English summary.

459 TSYMBAL, M. M., and ĬÁKIMENKO, T. V. Use of feed steamer ZK-O,5 for single-phase heat disinfection of wheat and barley seeds. (In Russian.) Selek. i Semen. 19(5):66-69. May 1952. 61.9 Se5

460 USENKO, V. V. Mechanical injury to [wheat] seeds. (In Russian.) Selek. i Semen. 19(5):62-66. May 1952. 61.9 Se5

461 UTO, T. Studies on the lupine brown spot. III. (In Japanese.) Kyushu Noji Shikinjo 8:99-100. Oct.1951. 107.6 K996

462 VON OPPENFELD, H., and others. Cost and effectiveness of different insect and disease control practices in New York apple orchards. N. Y. (Cornell) Agr. Expt. Sta. B. 886,75 p. Aug.1952. 100 N48C
D. Boynton, J. L. Brann, A. B. Burrell, and E. S. Shepardson, joint authors.

463 WATANABE, T. Ine to mugi no byogai to sono fusegikata [Methods of protection of rice and wheat from disease]. Tokyo,Meibundo,1951. 130 p. 464.4 W29

464 WEIDNER, H. Proales wernecki, ein in Vaucheria parasitierendes rotator. Aschaffenburg. Natwiss. Mus. Nachr. 35:39-46. May 1952. 409.6 As2

465 WENZL, H. Wunden und wundbehandlung bei gehölzen. Bundesanst. f. Pflanzenschutz. Flugbl. 76,2 p. 1952. 464.9 V672F
Fruit trees.

466 WEST, E. Notes on Camellia diseases. Fla. State Hort. Soc. Proc. 63:200-203. 1950,pub.1951. 81 F66

467 WYMAN, D. Some winter-killing of certain shrubs, as a result of the winter of 1951-52. Arnoldia 12:49-52. Oct.10,1952. 451 Ar6Ba

468 YOUNG, P. A. Diseases of tomato, pepper, squash, okra and cotton observed in west Texas. Plant Dis. Rptr. 36:390. Oct.15,1952. 1.9 P69P

469 ZIMMER, S. J. The mechanics of spraying. World Crops 4:335-337. Oct.1952. 281.8 W892

Diseases Caused by Fungi

470 ALDEBERT, P., ORSAT, C., and POURCHARESSE, P. Essais de produits de traitement du mildiou de la vigne. Rev. Agr. de l'Afrique du Nord 50:508-511, 520-524. Aug.8-15,1952. 80 R326

471 AYERS, G. W. Studies on Verticillium wilt of potatoes. Amer. Potato J. 29:201-205. Sept.1952. 75.8 P842

472 BAPTISTA, C. Late blight [Phytophthora infestans] of potatoes. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 8(16):85-88. Second Semes. 1952. 15 Az6

473 BAZAN DE SEGURA, C. El "hielo" o "rancha" de la papa en el Perú. Vida Agr. [Lima] 29: 535-541. July 1952. 9.8 V66
Caused by Phytophthora infestans.

474 BELLIS, G. H. Chestnut blight; a disease that cut a trail of death from Maine to Georgia. Nat. Hist. 61:359. Oct.1952. 500 N483J

475 BLACK, J. D. F. Black spot control on apples and pears. Victoria. Dept. Agr. J. 50:352-354. Aug.1952. 23 V66J

476 BOCKMANN, H. Der einfluss der stickstoffdüngung auf die halmbruchkrankheit (lagerfusskrankheit) des weizens. Phytopath. Z. 19:383-388. July 1952. 464.8 P562
Cercosporella herpotrichoides.

477 BOCKMANN, H. Neuere beobachtungen über die zusammenhänge zwischen fruchtfolge und fusskrankheiten bei weizen und erbsen. Nachrbl. des Deut. Pflanzenschutzdienstes 4:76-77. May 1952. 442.9 B832

478 BOYCE, J. S., JR. A needle blight of loblolly pine [Pinus taeda] caused by the brown-spot fungus [Scirrhia acicola]. J. Forestry 50:686-687. Ref. Sept. 1952. 99.8 F768

479 BOYD, A. E. W. Dry-rot disease [Fusarium caeruleum] of the potato. IV-VII. Ann. Appl. Biol. 39: 322-357. Ref. Sept.1952. 442.8 An72

480 BRIAN, P. W., and others. The phytotoxic properties of alternaric acid in relation to the etiology of plant diseases caused by Alternaria solani (Ell. & Mart.) Jones & Grout. Ann. Appl. Biol. 39:308-321. Ref. Sept.1952. 442.8 An72
G. W. Elson, H. G. Hemming, and J. M. Wright, joint authors.

481 BROWN, A. M. Cotoneaster as a host of Gymnosporangium clavipes in Manitoba. Mycologia 44:719-720. Sept./Oct.1952. 450 M99

482 BUCHWALD, N. F. Forelaesninger over havebrugsplanternes sygdomme [Lectures on the diseases of garden plants]. II. Frederiksberg,Kgl. Veterinaer- og Landbohøjskole,1951. 276 p. 464 B85
Fungus diseases.

483 BUGNICOURT, F. Contribution à l'étude systématique de deux Micromycètes parasites du riz. Rev. Gén. de Bot. 59:413-420. Ref. Aug.1952. 450 R326
Trichoconis padwickii and Helicoceras oryzae.

484 BYRDE, R. J. W. Experiments on the control of brown rot [Sclerotinia fructigena] of apples and plums. III. J. Hort. Sci. 27:237-244. Ref. Oct.1952. 80 J825

485 CALAVAN, E. C., and others. Promising new sprays for citrus brown rot control. Citrus Leaves 32 (11):36. Nov.1952. 80 C492
L. J. Klotz, T. A. DeWolfe, and J. R. Sufficool, joint authors.

486 CASTAÑO, J. J. Roya de la papa. Agr. Trop. 8(9):47-48. Sept.1952. 26 Ag8
Puccinia.

487 CHILDS, J. F. L. Rio Grande gummosis; its occurrence in Florida citrus. Fla. State Hort. Soc. Proc. 63:32-36. 1950,pub.1951. 81 F66

488 CIFERRI, R. Cryptogamous diseases of poplars. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951: 31-55. 99.9 C76913

489 CINQ-MARS, L. Results of spraying experiments at Rougemont, Que., in 1950. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:39-49. 1950, pub.1951. 82 Q3
For apple scab.

490 CIPOLLA, G. Comprobaciones del ataque de Cercospora al olivo. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(52):1-2. Apr.1952. 9 Id3

491 CONOVER, R. A. Control of late blight and gray leaf spot of tomatoes with new fungicides. Fla. State Hort. Soc. Proc. 63:89-93. 1950,pub.1951. 81 F66

492 CORMACK, M. W. Winter crown rot or snow mold of alfalfa, clovers, and grasses in Alberta. II. Canad. J. Bot. 30:537-548. Sept.1952. 470 C16C

493 CORONADO PADILLA, R. El tizon tardío de la papa en el estado de Puebla. Tierra [Mexico] 7:602,634. Sept.1952. 8 T445
Phytophthora infestans.

494 COULSON, J. G. Life cycle of the apple scab fungus. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:126-129. 1950,pub.1951. 82 Q3
Venturia inaequalis.

495 COURTICE, N. The eradication of downy mildew in the Bundaberg area. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 56:22-24. July 1,1952. 65.9 Q3C

496 CROXALL, H. E., GWYNNE, D. C., and JENKINS, J. E. E. The rapid assessment of apple scab on fruit. Plant Pathol. 1:89-92. Sept.1952. 464.8 P692

497 CRUICKSHANK, I. A. M. Rust of linseed and linen flax: life cycle and control. New Zeal. J. Agr. 85: 123-124. Aug.15,1952. 23 N48J

498 DAVYDOV, P. N. Experiments in the control of apple scab. (In Russian.) Sad i Ogorod 7:73. July 1952. 80 Sa13

499 DENGLER, H. W. Evaluate Asiatic chestnuts for blight resistance. Amer. Nurseryman 96(8):10,77. Oct.15,1952. 80 Am371

500 DESROSIERS, R., and BOLAÑOS, C. The possibility of controlling witches' broom disease [Marasmius perniciosus] of cacao with eradicant fungicidal sprays. Inter-Amer. Tech. Cacao Comt. Proc. 4:90-97. June 1952. 68.39 In8

501 DEUFEL, J. Die züchtung von mutterkorn (Claviceps purpurea) auf tetraploidem roggen. Naturwissenschaften 39:432. Sept.15,1952. 474 N213

502 DIKE, H. El control de la gota de la papa por medio de espolvoreos. Agr. Trop. 8(9):51-54. Sept.1952. 26 Ag8
Phytophthora infestans.

503 DOEPEL, R. F. Entyloma leaf spot of English marigold [Calendula]. West. Austral. Dept. Agr. J. (ser.3)1:501. July/Aug.1952. 23 W52J
A new disease caused by the fungus Entyloma calendulae.

504 DOKE, G. On the outbreak-forecast of rice blast in Oita Prefecture. (In Japanese.) Kyushu Noji Shikinjo 8:85-86. Oct.1951. 107.6 K996

505 DRUMMOND, O. DE A., and VILLANI, R. A rot of mango and kaki persimmon in Belo Horizonte. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(4):25-27. Apr.1952. 9.2 M663
Proposed name for cause: Mucor flavens.

506 DUQUE, J. P. La podredumbre radial [Rosellinia pepo] de las raíces del cafeto. Mexico, Comisión Nacional del Café,1952. 107 p. Ref. 464.09 D92

507 FAĬNSHTEĬN, R. M. Bacterial method to combat oidium. (In Russian.) Vinodel. i Vinograd. SSSR. 2:44-45. Feb.1952. 95.8 V77
Fungicides.

508 FERGUS, C. L. Oak wilt found affecting chestnut oak [Quercus montana] in Pennsylvania. Plant Dis. Rptr. 36:386. Oct.15,1952. 1.9 P69P
Chalara quercina.

509 FOISTER, C. E. The distribution and prevalence of potato gangrene. Plant Pathol. 1:85-86. Sept. 1952. 464.8 P692
Phoma foveata.

510 GESHELE, Ê. Ê. Particulars in controlling apple scab in the Omsk Region. (In Russian.) Sad i Ogorod 7:72-73. July 1952. 80 Sa13

511 GODBOUT, F. The control of apple scab in 1952. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 1951:54-58. 1952. 82 Q3

512 GOLUBINSKIĬ, I. N. Increased immunity of hops to Peronosporaceae as a result of vegetative hybridization. (In Russian.) Selek. i Semen. 19(7):73-74. July 1952. 61.9 Se5

513 GORLENKO, M. V. Corn diseases in the Moscow area. (In Russian.) Selek. i Semen. 19(5):79-80. May 1952. 61.9 Se5
Penicillum griseo-roseum; Fusarium.

514 GORLENKO, M. V., and IZRAIL'SON, V. F. Use of grafting method to combat [Fusarium] rot of the roots of melons. (In Russian.) Sad i Ogorod 8:70-71. Aug.1952. 80 Sa13

515 GOVINDU, H. C. Occurrence of Tilletia transvaalensis in Mysore. Cur. Sci. 21:224. Aug.1952. 475 Sci23

516 GRASER, H. I. Brown rot control uncertain. West. Fruit Grower 6(10):25-26. Oct.1952. 95.8 G762

517 GRIMALDI, J. Contribution à l'étude des cryptogames parasites et saprophytes du cacaoyer au Cameroun. Inter-Amer. Tech. Cacao Comt. Proc. 4: 145-167. June 1952. 68.39 In8

518 GROSJEAN, J. Natural recovery from silver leaf disease. (In Dutch.) Tijdschr. over Plantenziekten 58:109-120. Ref. July/Aug.1952. 464.8 T44
English summary.
Plums.

519 GULÍAEV, V. V. Measures for the control of fungus diseases in Euonymus verrucosus seedlings. (In Russian.) Lesn. Khoz. 5:81-82. Jan.1952. 99.8 L5622
Fusarium and Rhizoctonia.

520 GUYTON, T. L. An unusual occurrence of oak wilt in Pennsylvania. Plant Dis. Rptr. 36:386. Oct.15,1952. 1.9 P69P
Chalara quercina on blazed trees in Bedford County.

521 GUZMAN, R. P. Experimento sobre el control del "damping off" en los semilleros forestales de la escuela. Mensajero Forest. 95:8-9. July 1952. 99.8 M522

522 HALMA, F. F., and OPITZ, K. W. Foot rot [Phytophthora citrophthora] observations. Citrus Leaves 32(11):18. Nov.1952. 80 C492

523 HALMA, F. F., and OPITZ, K. W. Observations on foot rot [Phytophthora citrophthora] of orange trees. Calif. Citrog. 38:41. Nov.1952. 80 C125

524 HANSEN, F. Late blight infection of potato tubers. (In Danish.) Dansk Landbr. 71:415-416. Aug.28, 1952. 280.28 V91

525 HARRIS, H. B., GORE, U. R., and LUTTRELL, E. S. Take-all of wheat in Georgia. Plant Dis. Rptr. 36:391. Oct.15,1952. 1.9 P69P
Gaeumannomyces graminis.

526 HIROE, I. Phytopathological studies on black spot disease of Japanese pears. III. (In Japanese.) Tottori Soc. Agr. Sci. Trans. 9:87-93. Dec.30,1951. 513 T64

527 HOFFMAN, R. M. Carbamates an effective fungicide. West. Fruit Grower 6(10):27-29. Oct.1952. 95.8 G762

528 HOSOKAWA, S., and TANAKA, S. Effects of molding on the growth of paddy rice plants. (In Japanese.) Kyushu Noji Shikino 8:35-36. Oct.1951. 107.6 K996

529 HUSSAIN, S. M. Fomes annosus (Fr.) Cke., a common root-rot. Pakistan J. Forestry 2:216-220. July 1952. 99.8 P17

530 INGOLD, C. T. Funaria rhizoids infected with Pleotrachelus wildermani. Brit. Bryological Soc. Trans. 2:53-54. 1952. 451 B773

531 ISSA, E. Powdery mildew of apples. (In Portuguese.) Biológico 18:83-84. May 1952. 442.8 B529

532 JENKINS, W. A. Fusarium wilt in flue-cured tobacco in Virginia. Plant Dis. Rptr. 36:391. Oct.15, 1952. 1.9 P69P
F. oxysporum f. nicotianae.

533 JOHN, K. P. A hitherto undescribed leaf disease of Hevea rubber caused by a species of Colletotrichum. Rubber Res. Inst. Malaya. J. 14:11-19. Ref. May 1952. 78.9 R824J

534 JOHNSTONE, G. R. Saving the deodar cedar from root-rot fungus. Natl. Hort. Mag. 31:218-221. July 1952. 80 N216
Armillaria mellea and Trametes pini.

535 KANGAS, E. Maannousemasienen (Polyporus annosus Fr.) esiintymisestä, tartunnasta ja tuhoista Suomessa. Über auftreten, infektion und schäden des wurzelschwamms (Polyporus annosus Fr.) in Finnland. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(33),34 p. Ref. 1952. 99.9 F493
German summary.

536 KEDING, F. Der befall des saatweizens mit steinbrand im jahre 1951 und die sich hieraus ergebenden folgerungen. Pflanzenschutz 4:64-67. May 1952. 464.8 P48

537 KEENER, P. D. The occurrence of Darluca filum (Biv.) Castagne on Puccinia sorghi Schw. Plant Dis. Rptr. 36:384-385. Oct.15,1952. 1.9 P69P

538 KERN, H. Uber die beziehungen zwischen dem alkaloidgehalt verschiedener tomatensorten und ihrer resistenz gegen Fusarium lycopersici. Phytopath. Z. 19:351-382. Ref. July 1952. 464.8 P562

539 KIRYU, T. An investigation on the damage suffered by the banded sclerotial blight of rice plant in Chikugo District. (In Japanese.) Kyushu Noji Shikinjo 8:87-88. Oct.1951. 107.6 K996

540 KRÜGERKE. Zur apfelmehltau-bekämpfung. Obstbauberatungsring. Mittbl. 7(4):6. Aug.1,1952. 85 Ob72

541 LAGOS, M. B. Characteristics of physiological races of Puccinia coronata avenae in Rio Grande do Sul. (In Portuguese.) Rev. Agron. [Porto Alegre] 16: 107-108. Apr./June 1952. 9.2 R325

542 LAGOS, M. B. Pathogenic potential of Puccinia rubigo-vera tritici in Rio Grande do Sul. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:82. Apr./June 1952. 9.2 R325

543 LAGOS, M. B., and RISCH, N. A. Physiological races of Puccinia graminis avenae in Rio Grande do Sul. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:132. Apr./June 1952. 9.2 R325

544 LAMB, J. Wet spraying compared with dusting for the control of blister blight on Ceylon tea. World Crops 4:345-346. Oct.1952. 281.8 W892

545 LE FAVE, G. M., and SKILES, B. L. The efficacy of certain substituted phenols and their salts as fungicidal agents. Butler U. Bot. Studies 10:101-107. Aug.1952. 451 B97

546 LEVY, M. Oak wilt research. Lake States Timber Digest 6(11):5,10. Sept.1952. 99.81 L14

547 LEVY, M. RTA contributes $2,500 to fund of Oak Wilt Research Committee, further study being made towards eventual control and eradication of disease. Cross Tie B. 33:9-11. Sept.1952. 99.82 C87

548 LING, K. C. Studies on leaf scorch of sugar cane. 1. Distribution of leaf scorch disease in Taiwan. (In Japanese.) J. Sugarcane Res. 6:125-145. June 1952. 65.8 J822
English summary.
Stagonospora sacchari.

549 LLOBREGAT, E. Tratamientos para combatir el mildeu. II. Vinos, Viñas y Frutas 46:516-517. June 1952. 9 Ag89
In grapes.

550 LYLE, E. W. Control of molds on rose bushes in cold storage. Down to Earth 8(2):12. Fall 1952. 381 D75

551 MCKEEN, C. D. Aphanomyces cladogamus Drech., a cause of damping-off in peppers and certain other vegetables. Canad. J. Bot. 30:701-709. Ref. Nov. 1952. 470 C16C

552 MAHMUD, K. A. Pythium damping-off of brinjal [eggplant] seedlings. Sci. & Cult. 18:149-150. Sept.1952. 475 Sci24

553 MAKLAKOVA, G. F. In regard to resistance of potatoes to Phytophthora. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):24-28. 1952. 20 Ak1

554 MALAGUTI, G. Ceratostomella fimbriata en el cacao de Venezuela. Acta Cient. Venezol. 3:94-97. Ref. May/June 1952. 475 Ac83

555 MALAGUTI, G. Una podredumbre del tallo de Crotalaria juncea, causada por Ceratostomella fimbriata. Agron. Trop. 1: 287-292. Ref. Jan./Mar.1952. 26 Ag87
English summary.
Venezuela.

556 MANGENOT, F. Recherches méthodiques sur les champignons de certains bois en décomposition. Rev. Gén. de Bot. 59:381-399. (Cont.) Aug.1952. 450 R326

557 MANGENOT, F. Recherches méthodiques sur les champignons de certains bois en décomposition. Rev. Gén. de Bot. 59:439-471. (Cont.) Sept.1952. 450 R326

558 MARSH, R. W. Field observations on the spread of Armillaria mellea in apple orchards and in a blackcurrant plantation. Brit. Mycol. Soc. Trans. 35:201-207. Sept.1952. 451 B76

559 MELENDEZ DE LA GARZA, M. DE LOS A. Reacción del frijol en Mexico a tres razas de Colletotrichum lindemuthianum. Tierra [Mexico] 7:594-596,640-642. Sept.1952. 8 T445

560 MILISAVLJEVIC, D. Zaštita vinove loze od plamenjače [Control of downy mildew of grapes]. Beograd, Zadružna Knjiga, 1951. 42 p. (Prakticna Poljoprivredna Knjiga) 464.05 M59

561 MILLER, L. P., and MCCALLAN, S. E. A. Studies on fungicidal action using radioactive tracers. N. Y. Acad. Sci. Trans. (ser.2)14:329-331. June 1952. 500 N484T

562 MILLER, P. A. Dollar spot control trials. South. Calif. Turf Cult. 2(1):4. Jan.1952. 60.18 So8
Fungus disease of bentgrass.

563 MULLER, K. O., and BLACK, W. Potato breeding for resistance to blight and virus diseases during the last hundred years. Z. f. Pflanzenzücht. 31: 305-318. Ref. Aug.1952. 450 Z36

564 MUSHNIKOVA, K. Granosan. (In Russian.) Kolkhoz. Proizvodstvo 12(6):57. June 1952. 281.8 K83
Seed treatment.

565 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGICAL BR. DIV. OF SCIENCE SERV. Late blight of potatoes and tomatoes. N. S. Wales. Dept. Agr. Plant Dis. L. 39,8 p. 1952. 464.9 N47

566 NICKL-NAVRATIL, H. Erfahrungen bei der zucht anthraknose-resistenter flachsstämme. Züchter 22:228-232. Ref. 1952. 442.8 Z8

567 NILSSON, L. Powdery mildew [Erysiphe graminis]—a parasite of current interest. (In Swedish.) Försök och Forsk. 9:63. Aug./Sept.1952. 11 F77

568 NOLTE, H. W. Neuere beiträge zur analyse des komplexes himbeerrutensterben. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:147-149. 1952. 464.9 N11

569 OSNITSKAÍA, E. A., and OSIPOVA, N. I. Phomosis of carrots. (In Russian.) Sad i Ogorod 9:60-62. Sept.1952. 80 Sa13
Phoma rostrupii.

570 OSTERWALDER, A. Von der weissfäule der trauben (Coître). Schweiz. Z. f. Obst.- u. Weinbau 61:414-416. Oct.4,1952. 80 Sch9
Coniothyrium diplodiella.

571 PETCH, C. E., and CINQ-MARS, L. New fungicides. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:93-100. 1950,pub.1951. 82 Q3

572 PETRUSHOVA, N. I., and KUDRIASHOVA, L. S. Combating the blackleg disease in citrus seedlings. (In Russian.) Sad i Ogorod 4:23-24. Apr.1952. 80 Sa13
Caused by Fusarium, Rhizoctonia and Pythium.

573 PETRUSHOVA, N. I. Measures to control parasitic fungus of roses. (In Russian.) Sad i Ogorod 9:76. Sept.1952. 80 Sa13

574 PICHLER, F. Wann versagt die saatgutbeize? Pflanzenarzt 5(10):2-3. Oct.1,1952. 464.9 P482

575 RADEMACHER. Die Cercospora-blattfleckenkrankheit bei zuckerrüben. Zucker 5:357-360. Ref. Aug.15,1952. 65.8 Z82

576 RAPIN, J., and TERRIER, C. La carie naine du froment en Suisse romande au cours de la campagne 1951-1952. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:65-67. Sept.1952. 17 J82A

577 RASHEVSKAÍA, V. F., and NILOVA, V. P. Effect of catalase activity on wheat resistance to brown rust [Puccinia triticina]. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 4:63-67. Ref. July/Aug.1952. 511 Sa2B

578 RAYNER, R. W. Coffee berry disease—a survey of investigations carried out up to 1950. East African Agr. J. 17:130-158. Jan.1952. 24 Ea74
Colletotrichum coffeanum.

579 READ, W. H., and SMITH, R. J. Agricultural fungicides. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:677-684. Ref. 1951. 382 M31R

580 READ, W. H. The control of cucumber mildew [Erysiphe cichoracearum] Tomato & Cucumber Mktg. Bd. J. 1(6):21-22,25-26. Aug.1952. 280.3919 T591

581 RILEY, C. G. Studies in forest pathology. IX. Fomes igniarius decay of poplar. Canad. J. Bot. 30: 710-734. Ref. Nov.1952. 470 C16C

582 RODRIGUEZ LANDAETA, A. Contribución al estudio de la "viruela" del tomate en Venezuela. Agron. Trop. 1:251-267. Ref. Jan./Mar.1952. 26 Ag87
English summary.
Septoria lycopersici.

583 ROGER, L. Phytopathologie des pays chauds, v. 1. Paris, Lechevalier, 1951. 1126 p. (Encyclopedie Mycologique 17) 464 R63

584 SANFORD, G. B. Persistence of Rhizoctonia solani Kühn in soil. Canad. J. Bot. 30:652-664. Ref. Sept.1952. 470 C16C

585 SARASOLA, A. A., and GARESE, P. Tratamiento de la semilla de remolacha azucarera contra Pythium ultimum, con altas concentraciones de sulfato de cobre. Phyton [Buenos Aires] 2:36-46. Ref. July 1952. 450 P567

586 SCHÜRNBRAND, E. Ein beitrag zur frage der bedeutung der sameninfektion durch Cercospora beticola. Zucker 5:295-299. July 1,1952. 65.8 Z82

587 SERGEEVA, K. D. New Sphaerotheca-resistant gooseberry variety, the Russkii. (In Russian.) Sad i Ogorod 6:74. June 1952. 80 Sa13

588 SHASHIN, A. Effect of close planting upon the degree to which cotton becomes affected by wilt. (In Russian.) Khlopkovodstvo 6:41. June 1952. 72.8 K522

589 SHESTAKOV, V. E., and GULIAEV, G. V. Fall planting of summer wheat. (In Russian.) Selek. i Semen. 19(7):58-60. July 1952. 61.9 Se5
Incidence of smut.

590 SKOROPAD, W. P., and JOHNSON, L. P. V. Inheritance of resistance to Ustilago nuda in barley. Canad. J. Bot. 30:525-536. Ref. Sept.1952. 470 C16C

591 SMELTZER, D. G. Inheritance of resistance to race T-1 of Tilletia caries in Minturki and Cooperatorka wheats. Agron. J. 44:529-533. Ref. Oct.1952. 4 Am34 P

592 SMITH, W. P. C. Late or Irish blight of potatoes. West. Austral. Dept. Agr. J. (ser.3)1:505-506. July/Aug.1952. 23 W52J

593 SORGEL, P. Uber die wirksamkeit verschiedener bekämpfungsmittel gegen apfelschorf zur nachblütespritzung in Unterfranken. Pflanzenschutz 4:91-95. Aug.1952. 464.8 P48

594 STECKI, K. Polyporus lucidus, un parasite sur l'if. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:200. 1951. 99.9 P76

595 STEINDL, D. R. L., and SMITH, N. M. Sclerospora disease. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 56:7-9. July 1,1952. 65.9 Q3C

596 STOLIAROV, A. V. Treatment of carrot seedlings with [fungicide] NIUIF-1 compound. (In Russian.) Sad i Ogorod 8:56-58. Aug.1952. 80 Sa13
Alternaria; Sclerotinia.

597 STONER, W. N. The effects of various phosphorus and potassium fertilizer applications on the incidence and severity of Helminthosporium leaf blight of sweet corn. Fla. State Hort. Soc. Proc. 64:131-133. 1951, pub.1952. 81 F66

598 STUBBS, J. The evaluation of systemic fungicides by means of Alternaria solani on tomato. Ann. Appl. Biol. 39:439-441. Sept.1952. 442.8 An72

599 SUIT, R. F., and FORD, H. W. Present status of spreading decline. Fla. State Hort. Soc. Proc. 63:36-42. 1950,pub.1951. 81 F66
On citrus.

600 SWANK, G., JR. The control of damping-off organisms in celery seedbeds. Fla. State Hort. Soc. Proc. 64:112-115. 1951,pub.1952. 81 F66

601 TARDIF, J. Research on the sticking qualities of lead and calcium arsenates in mixture with fungicides on apple tree foliage. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 1951:77-85. 1952. 82 Q3

602 TAYLOR, J. J. Oak wilt—location is the payoff. Pa. Forests & Waters 4:86-87. July/Aug. 1952. 99.8 P38

603 THOROLD, C. A. Airborne dispersal of Phytophthora palmivora, causing black-pod disease of Theobroma cacao. Nature [London] 170:718-719. Oct.25, 1952. 472 N21

604 TILFORD, P. E. Diseases of evergreen trees. Arborist's News 17:75-78. Sept.1952. 99.8 Ar14
Mainly fungus diseases.

605 TSUMAGARI, H. Problems on the transference of anthracnose leaf-spot (Tabako Tanso Byo) with seed. (In Japanese.) Kyushu Noji Shikenjo 8:103-104. Oct. 1951. 107.6 K996

606 VASIL'EVSKII, A. P. Testing colloidal sulfur as a fungicide. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:115-117. 1951. 451 M854

607 VASUDEVA, R. S. Sun as a means of controlling wheat smut. Indian Farming (n.s.)2(5):26-27. Aug.1952. 22 In283

608 VIDAL MORA, J. M. La roya de los ajos. Balearic Isl. Diputación Prov. B. de Agr. 94:7. July 1952. 15 B19

609 VOITCHISHIN, N. V. New rust resistant winter wheat varieties for the foot hills of the northern Caucasus. (In Russian.) Selek. i Semen. 19(9):10-14. Sept.1952. 61.9 Se5

610 WADE, E. K. Late blight of potatoes & tomatoes. Wis. Agr. Col. Ext. C. 424,6 p. June 1952. 275.29 W75C

611 WADE, E. K. Prevent late blight tuber infection at harvest time. Badger Common 'Tater 5(8):7-8. Aug.1952. 75.8 B14

612 WADE, G. C. Black spot [Venturia inaequalis] of apples. Fruit World & Mkt. Grower 53(9):17,19,21,23. Sept.10,1952. 80 F948

613 WADE, G. C. Brown rot of apricot investigations; value of tetra-methyl thiuram disulphide and a potassium fertiliser for control. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:241-246. Aug.1952. 23 T182T
Caused by Sclerotinia fructicola.

614 WAGER, V. A. The black spot disease [Phoma citricarpa] of citrus in South Africa. Union So. Africa Dept. Agr. Sci. B. 303,52 p. 1952. 24 So84S

615 WAGNER, F. Neue ergebnisse zur bekämpfung des zwergsteinbrandes. Z. f. Pflanzenbau u. Pflanzenschutz 3:84-89. 1952. 464.8 P88
Wheat.

616 WAKSMAN, S. A., and others. Antifungal antibiotics. World Health Organ. B. 6:163-172. Ref. 1952. 449.9 W892B
A. H. Romano, H. Lechevallier, and F. Raubitschek, joint authors.
Includes use in plant disease control.

617 WALKER, A. J. K. Trials with a new chemical for bunt control. So. Austral. Dept. Agr. J. 55:548-550. June/July 1952. 23 So84
Benzene hexachloride for control of wheat smut.

618 WALKER, G. C., DEKAY, H. G., and PORTER, C. L. Solvent considerations in fungicidal testing. Amer. Pharm. Assoc. J. Sci. Ed. 41:465-467. Sept.1952. 396.9 Am33J

619 WALTER, J. M. Fungicide for tomatoes. Fla. Grower 60(10):5,25. Oct.1952. 80 F6622

620 WENZL, H. Sclerotinia-spitzendürre bei der zwergweichsel (Prunus fruticosa Pall.). Sydowia 6:288-289. 1952. 450 Sy2
S. laxa.

621 WIEHE, P. O. Bibliography of the fungi and bacteria associated with tung (Aleurites spp.). Plant Dis. Rptr. Sup.216:189-199. Sept.15,1952. 1.9 P69P

622 WILHELM, A. F. Methoden zur prüfung von pflanzenschutz- und vorratsschutzmitteln. XLVII. Methoden zur prüfung von mitteln gegen die traubenfäule (Botrytis cinerea). Nachrbl. des Deut. Pflanzenschutzdienstes 4:67-71. May 1952. 442.9 B832

623 WILLIAMS, P. H. Control of Cladosporium on tomatoes. Tomato & Cucumber Mktg. Bd. J. 1(4):21-23. June 1952. 280.3919 T591

624 WOODHEAD, C. E. Facts about control of grey mould in pears. Orchardist New Zeal. 25(7):21,23, Aug.1952. 80 Or19
Botrytis cinerea.

625 YOUNG, H. E. The control of bark rot and canker bark rot. Rubber Res. Inst. Ceylon Adv. C. 21, rev.,5 p. Feb.18,1952. 78.9 R826
Phytophthora palmivora.

626 ZAKOPAL, J. Results of tests on the resistance towards the wart disease. (In Czech.) Ceskoslov. Akad. Zemedel. Sborn. 25:181-184. Mar.1952. 19.5 C332C
English summary.
Synchytrium endobioticum on potatoes.

627 ZHURAVLEV, I. I. Virulence of Fusarium species which cause the damping-off of pine seedlings. (In Russian.) Mikrobiologiia 21:588-593. Ref. Sept./Oct. 1952. 448.3 M582

628 ZOBRIST, L., and FROHLICH, H. Le problème de la lutte contre la tavelure [Venturia inaequalis]. Parasitica 8:112-126. 1952. 464.8 P21

Diseases Caused by Bacteria

629 BELOVA, O. D. Determining the infection of potatoes with storage rot and bacterial rot [Corynebacterium sepedonicum]. (In Russian.) Sad i Ogorod 4:62-64. Apr.1952. 80 Sa13

630 BLAGODAROV, V. A. Recognizing in the field the potato infected with ring rot. (In Russian.) Selek. i Semen. 19(9):48-51. Sept.1952. 61.9 Se5

631 BRAUN, A. C. Conditioning of the host cell as a factor in the transformation process in crown gall. Growth 16:65-74. June 1952. 442.8 G91

632 BRAUN, A. C. The crown-gall disease. N. Y. Acad. Sci. Ann. 54:1153-1161. Ref. July 10,1952. 500 N484

633 DU PLESSIS, S. J. Vine nurseries. Farming So. Africa 27:378,390. Aug.1952. 24 So842
Registration and certification of vine nurseries in bacterial blight control.

634 FREIRE, J. R. J. Bacterial wilt of lupine, Lupinus spp., caused by Erwinia lupini n. sp. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:129-130. Apr./June 1952. 9.2 R325

635 HILL, E. C., and FAVILLE, L. W. Studies on the artificial infection of oranges with acid tolerant bacteria. Fla. State Hort. Soc. Proc. 64:174-177. 1951,pub. 1952. 81 F66

636 HUGHES, C. G. Leaf-scald at Moreton. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 56:19. July 1,1952. 65.9 Q3C

637 HUGHES, C. G. Testing sugar-cane varieties for resistance to leaf-scald disease. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 56:12-15. July 1, 1952. 65.9 Q3C

638 LELLIOTT, R. A. A new bacterial disease of leeks. Plant Pathol. 1:84. Sept.1952. 464.8 P692
Identity of pathogen not determined.

639 MANIL, P., and STRASZEWSKA, Z. Désintégration de Agrobacterium tumefaciens par les ultrasons; absence d'action tumorigène chez les produits obtenus. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:395-396. 1951. 105.1 G285
Research on crown gall in plants.

640 MASON, C. L. Fall spraying for control of bacterial spot [Xanthomonas pruni] of peaches. Ark. Farm Res. 1(3):6. Fall 1952. 100 Ar42F

641 NICOLINI, J. C. Dos cepas de bacterias que producen cancros similares a los de la "tuberculosis del olivo." Argentina. Dir. Gen. de Invest. Agr. IDIA 5(52):4-5. Apr.1952. 9 Id3
Pseudomonas savastanoi.

642 PIMENOVA, A. S. Bacterial rot of cabbage and its control. (In Russian.) Sad i Ogorod 8:58-60. Aug.1952. 80 Sa13

643 SHNEIDER, IU. I. Application of copper oxychloride to combat bacterial necrosis of citrus. (In Russian.) Sad i Ogorod 3:28. Mar.1952. 80 Sa13

644 TANAKA, I. On the osmotic pressure of tobacco varieties having resistivity to bacterial wilt. (In Japanese.) Kyushu Noji Shikinjo 8:105. Oct.1951. 107.6 K996

645 WALLACE, G. B., and WALLACE, M. M. Pea blight. East African Agr. J. 17:110. Jan.1952. 24 Ea74
Pseudomonas pisi.

Viruses and Virus Diseases

646 ANDERSON, C. W. The distribution of cucurbit viruses in central Florida. Plant Dis. Rptr. 36:377-379. Oct.15,1952. 1.9 P69P

647 ANDERSON, C. W. Viruses of cucurbits in central Florida. Fla. State Hort. Soc. Proc. 64:109-112. Ref. 1951,pub.1952. 81 F66

648 ASANO, M., and AIKAWA, H. On the percentage of virus diseased potato. (In Japanese.) Kyushu Noji Shikinjo 8:97-98. Oct.1951. 107.6 K996

649 BAUMGART, R. W. Considerations on plant virus diseases. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:97-100. Apr./June 1952. 9.2 R325
Brazil.

650 BAWDEN, F. C., and PIRIE, N. W. Physiology of virus diseases. Annu. Rev. Plant Physiol. 3:171-188. Ref. 1952. 450 An78

651 BITTERS, W. P. Stem pitting in California citrus trees as a result of quick decline. Citrus Leaves 32(10):12-13,26. Oct.1952. 80 C492

652 BITTERS, W. P. Stem pitting in citrus trees. Calif. Citrog. 38:3,26. Nov.1952. 80 C125

653 BLACK, L. M. Plant virus tumors. N. Y. Acad. Sci. Ann. 54:1067-1075. Ref. July 10,1952. 500 N484

654 BÖMEKE, H. Uber virus-und virusverdächtige krankheiten im niederelbischen obstanbaugebiet. Obstbauversring. Mitt. 7:126-139. July/Aug.1952. 85 J76

655 BRIERLEY, P., and SMITH, F. F. A ringspot virus from Hydrangea infectious to herbaceous plants. Plant Dis. Rptr. 36:382-383. Oct.15,1952. 1.9 P69P

656 CHILDS, J. F. L. Cachexia, a bud-transmitted disease and the manifestation of phloem symptoms in certain varieties of citrus, citrus relatives and hybrids. Fla. State Hort. Soc. Proc. 64:47-51. Ref. 1951,pub.1952. 64 F66

657 COMMONER, B., NEWMARK, P., and RODENBERG, S. D. An electrophoretic analysis of tobacco mosaic virus biosynthesis. Arch. Biochem. & Biophys. 37:15-36. Ref. 1952. 381 Ar2

658 COMMONER, B. Studies on the biosynthesis of tobacco mosaic virus. (Abs.) Science 116:518-519. Nov.14,1952. 470 Sci2

659 DUCHARME, E. P. Xyloporosis of citrus. Fla. State Hort. Soc. Proc. 64:57-60. 1951,pub.1952. 81 F66

660 FINLAY, K. W. Inheritance of spotted wilt resistance in the tomato. I. Austral. J. Sci. Res. Ser. B: Biol. Sci. 5:303-314. Ref. Aug.1952. 442.8 Au72

661 FRANDSEN, N. O. Untersuchungen zur virusresistenzzüchtung bei Phaseolus vulgaris L. Z. f. Pflanzenzücht. 31:381-420. Ref. Aug.1952. 450 Z36

662 FRY, P. R. Note on occurrence of a tobacco-necrosis virus in roots of lettuce showing big-vein. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:224-225. Aug.1952. 514 N48A

663 GOTO, S., and ONITSUKA, M. On the abnormal content of sugar in the radish infected with virus diseases (In Japanese.) Kyushu Noji Shikinjo 8:101-102. Oct.1951. 107.6 K996

664 GRANT, T. J., COSTA, A. S., and MOREIRA, S. Variations in stem pitting on tristeza-inoculated plants of different citrus groups. Fla. State Hort. Soc. Proc. 64:42-47. 1951,pub.1952. 81 F66

665 GRAY, R. A. The electrophoresis and chromatography of plant viruses on filter paper. Arch. Blochem. & Biophys. 38:305-316. July 1952. 381 Ar2

666 GROGAN, R. G., WELCH, J. E., and BARDIN, R. Common lettuce mosaic control; use of mosaic-free seed effectively reduced the seed-born aphid-transmitted disease in large-scale field plantings. Calif. Agr. [Calif. Sta.] 6(8):5,14. Aug.1952. 100 C12Cag

667 HALLEMANS, A. A few new fruit parasites of current interest. (In Flemish.) Cult. en Handel 18:449-451. Aug.1952. 80 C892
Chiefly viruses.

668 HARRIS, J. I., and KNIGHT, C. A. Action of carboxypeptidase on tobacco mosaic virus. Nature [London] 170:613-614. Oct.11,1952. 472 N21

669 HEINZE, K. Die uberträger pflanzlicher viruskrankheiten. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 71,127 p. July 1951. 410.9 G31M
Insects.

670 JENSEN, J. H. Identification of virus infection in plant tissue. Annu. Rev. Microbiol. 6:139-150. Ref. 1952. 448.3 An72

671 JERMOLJEV, E. Identification of plant viruses by the use of serological methods of complement fixation. (In Czech.) Ceskoslov. Akad. Zemédél. Sborn. 25:211-218. Mar.1952. 19.5 C332C

672 KASSANIS, B. Some effects of high temperature on the susceptibility of plants to infection with viruses. Ann. Appl. Biol. 39:358-369. Ref. Sept.1952. 442.8 An72

673 KILPATRICK, D. T. Better care of potato seed is needed. So. Austral. Dept. Agr. J. 56:19-22. Aug.1952. 23 So84
Effect of leaf roll on yield and aphid control.

674 KING, N. C. Chlorotic streak in Natal cane. So. African Sugar J. 36:423. July 1952. 65.8 So8

675 KLINKOWSKI, M., and USCHDRAWEIT, H. A. Die bronzefleckenkrankheit der tomate, eine bisher in Deutschland noch nicht beobachtete viruskrankheit. Phytopath. Z. 19:269-283. Ref. July 1952. 464.8 P562

676 KOBEL, F., JR. Das problem der steinobstvirosen in den USA. Schweiz. Z. f. Obst.- u. Weinbau 61:419-422. (Cont.) Oct.4,1952. 80 Sch9

677 KOHLER, E. Beiträge kenntnis des A-virus der kartoffel. Phytopath. Z. 19:295-306. Ref. July 1952. 464.8 P562

678 KÖHLER, E. Die bukettkrankheit, eine viruskrankheit der kartoffel. Phytopath. Z. 19:284-294. Ref. July 1952. 464.8 P562

679 KOROVIN, B. A. Chemical method as a measure for controlling virus diseases on tobacco. (In Russian.) Tabak 13:56-58. Jan./Feb.1952. 69.8 T112

680 LAUFFER, M. A., and CARTWRIGHT, T. E. Ultracentrifugation studies on potato latent mosaic virus. Arch. Biochem. & Biophys. 38:371-375. Ref. July 1952. 381 Ar2

681 LOEWEL, E. L. Virus-krankheiten im obstbau. Obstbauversring. Mitt. 7:126. July/Aug.1952. 85 J76

682 MCKAY, J. W., and CRANE, H. L. Bunch disease of black walnut. North. Nut Growers Assoc. Annu. Rpt. 42:56-62. 1951. 94.69 N81

683 NISHIDA, K. Virus disease observed on tobacco and its forecrop lupine. (In Japanese.) Kyushu Noji Shikinjo 8:106. Oct.1951. 107.6 K996

684 NOORDAM, D. Lycopersicum-virus 3 (tomato spotted wilt) on some ornamental plants. (In Dutch.) Tijdschr. over Plantenziekten 58:89-96. Ref. July/Aug.1952. 464.8 T44
English summary.

685 POSNETTE, A. F., and BOVEY, R. Field studies on virus diseases of strawberries. I. The rate of virus spread in the variety Auchincruive Climax. East Malling Res. Sta. Annu. Rpt. 39:136-138. 1951,pub.1952. 103 Ea7

686 PRENTICE, I. W. Chrysanthemum flower distortion survey, 1951. Plant Pathol. 1:77-80. Sept. 1952. 464.8 P692
Previously called mosaic disease.

687 PROCTER, C. H. Virus infection in certified seed potatoes. New Zeal. J. Sci. & Technol. A, Agr. Res Sect. 34:192-194. Aug.1952. 514 N48A

688 REINKING, O. A. Abaca mosaic and its control; Davao, Cotabato, Bukidnon, Ianao and Zamboanga provinces, Island of Mindanao, Republic of the Philippines, 1949-1952. n.p.,1952. various pagings. 464.04 R272

689 ROBERTS, D. A., BLODGETT, F. M., and WILKINSON, R. E. Potato virus X: inoculation of potato varieties tolerant to virus Y. Amer. Potato J. 29:212-220. Ref. Sept.1952. 75.8 P842

690 ROLAND, G. Étude de deux viroses du navet: la mosaïque et la jaunisse. Parasitica 8:97-111. Ref. 1952. 464.8 P21

691 SAVZDARG, È. È. How to combat the double-petal [disease] of black currants and the mites in their buds. (In Russian.) Sad i Ogorod 4:24-25. Apr.1952. 80 Sa13
Virus diseases.

692 SUKHOV, K. S. New investigations of virus diseases of plants in Czechoslovakia. (In Russian.) Priroda 41(5):82-89. May 1952. 410 P933

693 TROLL, H. J. Viren, deren schäden und genetische resistenzfragen bei Lupinus luteus. Züchter 22:164-175. Ref. 1952. 442.8 Z8

694 WARID, W. A., and PLAKIDAS, A. G. Thermophilic viruses naturally infectious to cowpea. Plant Dis. Rptr. 36:380-381. Oct.15,1952. 1.9 P69P

695 WEINTRAUB, M., and GILPATRICK, J. D. An inhibitor in a new host [Dianthus barbatus] of tobacco ring spot virus. Canad. J. Bot. 30:549-557. Ref. Sept. 1952. 470 C16C

696 WRIGHT, N. S. Studies on the witches'-broom virus disease of potatoes in British Columbia. Canad. J. Bot. 30:735-742. Ref. Nov.1952. 470 C16C

697 ZECH, H. Untersuchungen über den infektionsvorgang und die wanderung des tabakmosaikvirus im pflanzenkörper. Planta 40:461-514. Ref. Aug.6,1952. 450 P693

Diseases Caused by Nematodes

698 BÖHM, O. Beachtet das Chrysanthemenälchen! Pflanzenarzt 5(9):4-5. Sept.1,1952. 464.9 P482

699 BRANDE, J. VAN DEN, and others. The potato root eelworm in relation to potato varieties and American Solanum species. (In Flemish.) Gent. Landbhogesch. Meded. 17:51-60. Ref. Mar.1952. 105.1 G344
R. H. Kips, J. d'Herde, and L. van Mol, joint authors.
English summary.

700 BRANDE, J. VAN DEN. La recherche sur les nematodes. Rev. de l'Agr. 5:997-1001. Sept.1952. 13 R322
Plant diseases.

701 BROOKS, A. N., and CHRISTIE, J. R. A nematode attacking strawberry roots. Fla. State Hort. Soc. Proc. 63:123-125. 1950,pub.1951. 81 F66

702 CARROLL, J. Eelworm and insect pests. II. Stem, leaf, bud and flower eelworms. Agr. Ireland 9: 201-203. Sept.1952. 10.5 Ag8

703 CHITWOOD, B. G., and OTEIFA, B. A. Nematodes parasitic on plants. Annu. Rev. Microbiol. 6:151-184. Ref. 1952. 448.3 An72

704 CHRISTIE, J. R. The feeding habits of plant parasitic nematodes. Fla. State Hort. Soc. Proc. 64:120-122. 1951,pub.1952. 81 F66

705 COURTNEY, W. D. The teasel nematode, Ditylenchus dipsaci (Kühn, 1857), Filipjev, 1936. Wash. Acad. Sci. J. 42:303-309. Sept.1952. 500 W276J

706 DANILOV, V. P. Control of nematodes on strawberry stalks. (In Russian.) Sad i Ogorod 7:73-74. July 1952. 80 Sa13

707 GOTO, S., and HASUKO, E. On the treatment with chloropicrin for the nematic root-rot of sweet potato. (In Japanese.) Kyushu Noji Shikinjo 8:95-96. Oct. 1951. 107.6 K996

708 GRAINGER, J. The menace of potato root eelworm [Heterodera rostochiensis]. Brit. Agr. B. 5:131-137. Sept.1952. 10 B776

709 HASTINGS, R. J., and BOSHER, J. E. The discovery of nematodes belonging to the genus Heterodera in British Columbia and their host relationships. Sci. Agr. 32:507-510. Sept.1952. 7 Sci2

710 HEELEY, W. The eelworm problem: biological aspects; the chemical control of eelworms. Chem. & Indus. 41:995-998. Oct.11,1952. 382 M31C
Heterodera species.

711 HUKANO, H., and YOKOYAMA, S. Studies on the white tip of rice plant, with special reference to the damage and varietal resistance. (In Japanese.) Kyushu Noji Shikinjo 8:89-90. Oct.1951. 107.6 K996

712 JOHNSON, A. W. The eelworm problem: biological aspects: the potato eelworm [Heterodera rostochiensis] hatching factor. Chem. & Indus. 41:998-999. Ref. Oct.11,1952. 382 M31C

713 NEMATODE; this second cousin to the hookworm is responsible for agriculture's $500,000,000 creeping paralysis. Farm Mangt. 1(1):80-83. Nov./Dec. 1951. 281.8 F2225

714 NISHIZAWA, T., and YAMAMOTO, S. Studies on the varietal resistance of rice plant to the rice nematode disease "Senchu-Singare Byo." II. A test of the leading varieties and part of breeding lines of rice plants in Kyushu. (In Japanese.) Kyushu Noji Shikinjo 8:91-92. Oct.1951. 107.6 K996

715 NOLTE, H. W. Nematodenschäden und ihre ursachen. Deut. Landwirt. 3:531-534. Oct.1952. 18 D4822
Russian Zone.

716 NUSBAUM, C. J. Diseases are ganging up on your tobacco crop. Res. & Farming [N. C. Sta.] Prog. Rpt. 10:8-9. Summer 1951. 100 N81R
Nematode diseases.

717 PETERS, B. G. Control of plant nematodes. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:701-704. Ref. 1951. 382 M31R

718 PETERS, B. G. The eelworm problem: biological aspects; plant eelworms of the genus Heterodera. Chem. & Indus. 41:994-995. Oct.11,1952. 382 M31C

719 SASSER, J. N. Systox for control of nematodes. Farm Chem. 115(11):12-13,69. Nov.1952. 57.8 Am3

720 SCOTLAND. DEPT. OF AGRICULTURE. Eelworm in potatoes. Scot. Dept. Agr. Adv. L. (n.s.)22, 8 p. 1952. 10 Sco82L
Heterodera rostochiensis and Ditylenchus destructor.

721 SEINHORST, J. W. A new method for testing the susceptibility of rye plants to attack by the stem eelworm Ditylenchus dipsaci (Kühn) Filipjev. (In Dutch.) Tijdschr. over Plantenziekten 58:103-108. July/Aug. 1952. 464.8 T44
English summary.

722 VEGA, J. Protección viticola contra la "anguilulosis." Argentina. Dir. Gen. de Invest. Agr. IDIA 5(53):35-37. May 1952. 9 Id3
Meloidogyne incognito.

723 WAGNER, F. Uber auftreten und bekämpfung des haferälchens (Heterodera avenae). Pflanzenschutz 4:83-85. July 1952. 464.8 P48

ECOLOGY

724 ALTEMULLER, H. J. Wichtige teilergebnisse der pflanzensoziologischen kartierung der felder des versuchsgutes Puch der bayerischen landesanstalt für pflanzenbau und pflanzenschutz—München. Z. f. Pflanzenbau u. Pflanzenschutz. Sonderh. 3:64-79. May 1952. 464.8 Z32

725 ANDERSON, E. The ecology of introgression in Adenostoma. (Abs.) Science 116:515-516. Nov.14, 1952. 470 Sci2

726 AUBERT, S. À propos d'un "barrage forestier." Schweiz. Natschutz. 18:84-86. Aug.1952. 279.8 Sch9
Forests which act as barriers to the spread of plant species.

727 BILLINGS, W. D. The environmental complex in relation to plant growth and distribution. Q. Rev. Biol. 27:251-265. Ref. Sept.1952. 442.8 Q2

728 BOBEK, H. Die natürlichen wälder und gehölzfluren Irans. Bonn,1951. 62 p. Ref. (Bonner Geographische Abhandlungen 8) 460.17 B63

729 BUNUSEVAC, T. La base geologique et la distribution des associations forestières dans la forêt expérimentale du domaine de Majdanpek et lieux circonvoisins. (In Sebo-Croatian.) Beograd. U. Šumarski Fakul. Glasnik 3:1-23. 1951. 99.9 B415
French summary.

730 CANNON, H. L. The effect of uranium-vanadium deposits on the vegetation of the Colorado Plateau. Amer. J. Sci. 250:735-770. Ref. Oct.1952. 470 Am34

731 CHAPMAN, V. J. Problems in ecological terminology. (Abs.) Austral. J. Sci. 15:20. Aug.1952. 475 Au72
Botany.

732 CLAUSTRES, G. Le rôle du gispet (Festuca eskia) dans les pâturages ariégeois. Soc. d'Hist. Nat. de Toulouse. B. 86:31-35. Ref. May 30,1951. 505 T64
Ecological factors and plant adaptation.

733 COALDRAKE, J. E. The climate, geology, soils, and plant ecology of portion of the County of Buckingham (Ninety-Mile Plain), South Australia. Austral. Commonwealth Sci. & Indus. Res. Organ. B. 266, 81 p. 1951. 514 Au72B

734 DAUBENMIRE, R. Forest vegetation of northern Idaho and adjacent Washington, and its bearing on concepts of vegetation classification. Ecol. Monog. 22: 301-330. Oct.1952. 410 Ec72

735 DIETZ, R. A. The evolution of a gravel bar. Mo. Bot. Gard. Ann. 39:249-254. Sept.1952. 451 M69
Includes vegetation.

736 EVERS, R. A. Hill prairies of Illinois. Urbana,1952. 3 p. 455.24 Ev2
Abstract of thesis - University of Illinois.

737 FANSHAWE, D. B. The vegetation of British Guiana,a preliminary review. Oxford U. Imper. Forestry Inst. Inst. Paper. 29,96 p. Ref. 1952. 99.9 Ox23
Forest ecology.

738 FILZER, P. Die natürlichen grundlagen des pflanzenertrages in Mitteleuropa. Stuttgart,Schweizerbart,1951. 198 p. 64 F48

739 FINLEY, D., and POTZGER, J. E. Characteristics of the original vegetation in some prairie counties of Indiana. Butler U. Bot. Studies 10:114-118. Aug.1952. 451 B97

740 GAMMA, H. Zur uferflora der zentralschweizerischen seen und zum problem des uferschutzes. Schweiz. Natforsch. Gesell. Verhandl. 131:11-25. 1951. 508 B452

741 GERMAIN, R. Les associations végétales de la plaine de la Ruzizi (Congo Belge) en relation avec le milieu. Inst. Natl. pour l'Etude Agron. du Congo Belge. P. Ser. Sci. 52,321 p. 1952. 24 In7

742 GETTY, S., SEYMOUR, P., and BENZINO, J. Ecology of the plant societies of the Nature Sanctuary Preserves. Sanctuary News, Sept.1952 (sup.):3-26. 410 Sa5

743 HUSTICH, I. Barrträdsarternas polara gräns på norra halvklotet. The polar limits of the coniferous species. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(29),20 p. Ref. 1952. 99.9 F493
English summary.

744 ILIĆ, E. Beitrag zur kenntnis der ökologie von Prunus laurocerasus (L.). auf dem Ostrozub in Serbien. (In Serbo-Croatian.) Srpska Akad. Nauk. Zbornik Radova 11(2):253-258. 1951. 510 B41
German summary.

745 JAKOVLJEVIĆ, S. J. Kratki kurs ekologije sa osnovama hidrobiologije [A brief course on ecology with the fundamentals of hydrobiology]. Beograd,Izdavacko Preduzeće Narodne Republike Srbije,1951. 165 p. 463.8 J21

746 JONES, J. J. A survey of fifteen forest stands in the early Wisconsin drift plain of Indiana. Butler U. Bot. Studies 10:182-204. Aug.1952. 451 B97
An ecological study.

747 JOVANOVIĆ, V., and DUNJIĆ, R. Contribution à la connaisance des phytocénoses des forêts de chênes dans la région de Jasenica et aux environs de Belgrade. (In Serbo-Croatian.) Srpska Akad. Nauk. Zbornik Radova 11(2):203-230. Ref. 1951. 510 B41
French summary.

748 JOVET, P., ALLORGE, V., and JOVET-AST, S. Un peuplement d'Alnus cordata (Lois.) Desf. sur la falaise basque. Soc. d'Hist. Nat. de Toulouse. B. 86:45-53. May 30,1951. 505 T64
Ecology.

749 KAUTTU, K. Havaintoja valaistuksen, ilman lämpötilan ja suhteellisen kosteuden vaihteluista eräässä kuusikossa. Beobachtungen über schwankungen von belichtung, lufttemperatur und relativer feuchtigkeit in einem fichtenbestand. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(31),21 p. Ref. 1952. 99.9 F493
German summary.

750 KUCERA, C. L. An ecological study of a hardwood forest area in central Iowa. Ecol. Monog. 22:283-299. Ref. Oct.1952. 410 Ec72

751 LI, H. L. Floristic relationships between Eastern Asia and Eastern North America. Amer. Philos. Soc. Trans. (n.s.)42:371-429. Ref. Aug.1952. 500 P533T

752 LINTNER, V. Die kieferwälder der umgebung von Priboj am/Lim und Divcibare am Maljen. (In Serbo-Croatian.) Srpska Akad. Nauk. Zbornik Radova 11(2):193-202. 1951. 510 B41
German summary.
An ecological study.

753 MONTEIL, G. Remarques sur l'aire et l'étage du chêne vert, dans leurs rapports avec la géologie de la région de contact Quercy-Périgord. Soc. d'Hist. Nat. de Toulouse. B. 86:54-62. May 30,1951. 505 T64

754 NEHOU, J. Le peuplement végétal des sables extraits de la Loire dans la région nantaise et son evolution. Soc. Sci. de Bretagne B. (Sci. Math. Phys. et Nat.) 25:113-129. 1950,pub.May 20,1952. 505 R292

755 NUTTONSON, M. Y. Ecological crop geography and field practices of Japan. Japan's natural vegetation, and agro-climatic analogues in North America. Washington,Amer.Inst. of Crop Ecol.,1951. 213 p. 463.89 N97

756 PAVLOVIĆ, Z. La végétation de la montagne Zlatibor. (In Serbo-Croatian.) Srpska Akad. Nauk. Zbornik Radova 11(2):115-182. 1951. 510 B41
French summary.

757 PETIT, G., and ALEEM, A. A. Caractéristiques et évolution de la végétation d'un étang des Pyrénées-Orientales. Acad. des Sci. Compt. Rend. 235:632-634. Sept.22,1952. 505 P21

758 POPLAVSKAÎA, G. I. On water content in leaves of some plants in Khibiny tundra. (In Russian.) Akad. Nauk SSSR. Dok. 85:1165-1168. Ref. Aug.11,1952. 511 P444A
An ecological study.

759 POTZGER, J. E., and KELLER, C. O. The beech line in northwestern Indiana. Butler U. Bot. Studies 10:108-113. Aug.1952. 451 B97
Fagus grandifolia.

760 QUEZEL, P. Les dolines à neige du Massif du Ghat (Grand Atlas oriental); quelques aspects de leur peuplement. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 42:121-130. June/Dec.1951. 410.9 So125
Plants and insects.

761 QUEZEL, P., and RIOUX, J. A. Les groupements rupicoles dans le Massif du Cantal. Soc. d'Hist. Nat. de Toulouse. B. 86:65-66. May 30,1951. 505 T64

762 QUEZEL, P. Les groupements végétaux rupicoles des Alpes-maritimes: leur signification biogéographique. Soc. d'Hist. Nat. de Toulouse. B. 86:63-64. May 30,1951. 505 T64

763 RAJEVSKI, L. La forêt de pins dans la région entre la montagne Mokra Gora et le fleuve Quvats. (In Serbo-Croatian.) Srpska Akad. Nauk. Zbornik Radova 11(2):183-192. 1951. 510 B41
French summary.
An ecological study.

764 REY, P. L'évolution de la végétation dans la Grande Lande de Gascogne. Soc. d'Hist. Nat. de Toulouse. B. 86:372-378. Dec.30,1951. 505 T64

765 ROCHOW, M. VON. Die pflanzengesellschaften des Kaiserstuhls. Pflanzensoziologie 8,140 p. Ref. 1951. 450 P48

766 SCHULTZ, V. A limnological study of an Ohio farm pond. Ohio J. Sci. 52:267-285. Ref. Sept.1952. 410 Oh3

767 SILLANS, R. Contribution à l'étude phytogéographique des savanes du Haut-Oubangui. Mus. Natl. d'Hist. Nat. B. (ser.2)24:108-113. (Cont.) Jan.1952. 410.9 P213

768 TOMSIK, B. The possibility of planting white mulberry trees in Czech and Moravian regions on the basis of the study of ecology. (In Czech.) Brünn. Vysoká Šk. Zemědél. a Lesn. Sborn. 3/4:43-67. Ref. Dec.31,1951. 105.92 B833

769 TROTTER, C. L. A five-acre forest survey at Shades State Park (Indiana). A study of sampling methods. Butler U. Bot. Studies 10:205-217. Aug.1952. 451 B97

770 TRÜMPER. Pflanzenfreundschaften, pflanzenfeindschaften, mischwald. Allg. Forstz. 7:399-400. Sept.24,1952. 99.8 AL52

MORPHOLOGY, ANATOMY, AND CYTOLOGY

771 ANDERSON, E. The sacred plume; a description of the maize tassel with some indications of its importance. Des Moines,Pioneer Hi-Bred Corn,1951. 24 p. 463.46 An2

772 BATEMAN, A. J. Trimorphism and self-incompatibility in Narcissus. Nature [London] 170:496-497. Sept.20,1952. 472 N21

773 BAUM, H. Die bedeutung der diplophyllen übergangsblätter für den bau der staubblätter. Osterr. Bot. Z. 99:228-243. Ref. 1952. 450 Os7

774 BAUM, H. Die doppelspreitigen petalen von Ranunculus auricomus und neapolitanus. Osterr. Bot. Z. 99:65-77. Jan.3,1952. 450 Os7

775 BAUM, H. Normale und inverse unifazialität an den laubblättern von Codiaeum variegatum. Österr. Bot. Z. 99:421-451. Ref. 1952. 450 Os7

776 BAUM, H. Die peltation der aussenkelchblätter von Hibiscus costatus. Osterr. Bot. Z. 99:370-375. 1952. 450 Os7

777 BAUM, H. Die querzonenverhältnisse der karpelle von Helleborus foetidus und ihre bedeutung für die beurteilung der epeltaten karpelle. Osterr. Bot. Z. 99:402-404. 1952. 450 Os7

778 BAUM, H. Zur angeblichen peltation der kotyledonen von Antirrhinum majus-mutanten. Österr. Bot. Z. 99:521-522. 1952. 450 Os7

779 BLAGOVESHCHENSKIĬ, A. V. Substances that delay the sprouting of seeds. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:54-58. 1951. 451 M854
Seed coat.

780 BOLLE, F. Anwendung neuer ergebnisse der botanischen morphologie auf die phytopathologie. Nachrbl. des Deut. Pflanzenschutzdienstes 4:77-78. May 1952. 442.9 B832

781 BRODIE, H. J. Nature's splash guns. Nat. Hist. 61:403-407. Nov.1952. 500 N483J
Rain dispersal of spores and seeds in fungi, Musci and some flowering plants.

782 BROWN, R., REITH, W. S., and ROBINSON, E. The mechanism of plant cell growth. Soc. Expt. Biol. Symposia 6:329-356. Ref. 1952. 442.9 So15

783 BULARD, C., and GAUSSEN, H. Sur un mésoblaste végétatif de sapin. Soc. d'Hist. Nat. de Toulouse. B. 86:405-409. Dec.30,1951. 505 T64
Abies georgei used in tests.

784 BUXBAUM, F. Morphologie des "spaltcephaliums" von Espostoa sericata. Osterr. Bot. Z. 99:89-99. Ref. Jan.3,1952. 450 Os7

785 CARNIEL, K. Das verhalten der kerne im tapetum der Angiospermen mit besonderer berücksichtigung von endomitosen und sogenannten endomitosen. Osterr. Bot. Z. 99:318-362. Ref. 1952. 450 Os7

786 CHAMPAGNAT, P. Les départs de bourgeons axillaires sur la partie moyenne des pousses. Étude d'une plante herbacée Cicer arietinum L. comparaison avec les "rameaux anticipés" des végétaux ligneux. Acad. des Sci Compt. Rend. 235:389-391. Aug.4,1952. 505 P21

787 CHAMPAGNAT, P. Les levées d'inhibition de la base des pousses de Cicer arietinum L. Acad. des Sci. Compt. Rend. 235:630-632. Sept.22,1952. 505 P21

788 CHAYEN, J. The structure of root meristem cells of Vicia faba. Soc. Expt. Biol. Symposia 6:290-305. Ref. 1952. 442.9 So15

789 CUA, L. D. Artificial polyploidy in the Oryzeae. IV. A tetraploid hybrid from the cross "diploid × autotetraploid" in rice, Oryza sativa L. Cytologia 17:183-190. Ref. Aug.1952. 442.8 C99

790 DATTA, R. M. Irregular meiosis in Corchorus olitorius Linn. Sci. & Cult. 18:149. Sept.1952. 475 Sci24

791 DNYANSAGAR, V. R. Embryological studies in the Leguminosae. IV. A contribution to the embryology of Neptunia triquetra Benth. Indian Acad. Sci. Proc. Sect. B 36:1-11. Ref. July 1952. 513 In25B

792 EICHHORN, A. Contribution à l'étude caryologique du genre Linaria. II. Rev. Gén. de Bot. 59:400-412. Aug.1952. 450 R326

793 ÉLLENGORN, IÀ. E., and SVETOZAROVA, V. V. Study of the process of plant fertilization. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:32-38. Ref. 1951. 451 M854

794 ERMISCH, E. G. Automaten in fauna und flora. Orion 7:673-676. Sept.1952. 474 Or4

795 FORD, L. A cytogenetic study of a set of maize monoploid twins. (Abs.) Genetics 37:580. Sept. 1952. 442.8 G28

796 FREY-WYSSLING, A. Growth of plant cell walls. Soc. Expt. Biol. Symposia 6:320-328. Ref. 1952. 442.9 So15

797 FRIEG, O. Die transplantationsarbeiten in der versuchs- und forschungsabteilung des Universitätslehrgutes Dornburg/Saale. Urania 15:231-234. June 1952. 474 Ur1
Embryo transplantation in grain.

798 FRIESNER, R. C., and JONES, J. J. Correlation of elongation in primary and secondary branches of Pinus resinosa. Butler U. Bot. Studies 10:119-128. Aug.1952. 451 B97

799 FROESCHEL, P., and CHAPMAN, P. A new method of measuring the size of the stomatal-apertures. Cellule 54:233-249. 1951. 442.8 C33

800 GEITLER, L. Uber angebliche meiosen in somatischen geweben. Osterr. Bot. Z. 99:161-163. Jan.3,1952. 450 Os7

801 GEITLER, L. Die auxosporenbildung von Rhoicosphenia curvata. Osterr. Bot. Z. 99:78-88. Jan. 3,1952. 450 Os7

802 GEITLER, L. Oogamie, mitose, meiose und metagame teilung bei der zentrischen Diatomee Cyclotella. Österr. Bot. Z. 99:506-520. Ref. 1952. 450 Os7

803 GEITLER, L. Untersuchungen über kopulation und auxosporenbildung pennater Diatomeen. I-III. Osterr. Bot. Z. 99:376-395,469-482. Ref. 1952. 450 Os7

804 GINIEIS, C. Contribution a l'étude anatomique des plantules de palmiers. III. Les variations de structure dans les plantules de Chamærops humilis L. Mus. Natl. d'Hist. Nat. B. (ser.2)24:100-107. Jan.1952. 410.9 P213

805 GREENIDGE, K. N. H. An approach to the study of vessel length in hardwood species. Amer. J. Bot. 39:570-574. Ref. Oct.1952. 450 Am36
Shrubs and trees.

806 GSCHOPF, O. Das problem der doppelplättchen und ihnen homologer gebilde bei den Diatomeen. Osterr. Bot. Z. 99:1-36. Ref. Jan.3,1952. 450 Os7

807 GUTTMAN, R. An interpretation of some mitotic irregularities using the Poisson distribution. Amer. J. Bot. 39:528-534. Ref. Oct.1952. 450 Am36
Statistical analysis in the mitosis of onion roots treated with colchicine and acenaphthene.

808 HÄCCIUS, B. Die embryoentwicklung bei Ottelia alismoides und das problem des terminalen monokotylen-keimblatts. Planta 40:443-460. Ref. Aug.6,1952. 450 P693

809 HACCIUS, B. Verbreitung und ausbildung der einkeimblättrigkeit bei den Umbelliferen. Österr. Bot. Z. 99:483-505. Ref. 1952. 450 Os7

810 HEDBERG, O. Cytological studies in East African mountain grasses. Hereditas 38:256-266. Ref. 1952. 442.8 H42

811 HIRAI, S. On the beginning stage of the transformation of sapwood into heartwood in the Japanese larch [Larix kaempferi] stem. (In Japanese.) Hokkaido U. Col. Agr. Col. Expt. Forests. Res. B. 15:239-253. 1952. 99.9 H68
English summary.

812 HOLM, L. Etude du développement de Stigmatea geranii. Cellule 54:297-302. Ref. 1952. 442.8 C33
English summary.

813 HOLZER, K. Untersuchungen zur karyologischen anatomie der wurzel. Osterr. Bot. Z. 99:118-155. Ref. Jan.3,1952. 450 Os7

814 JACKSON, W. What is Geranium anemonefolium? (Abs.) Heredity 6:279. Aug.1952. 443.8 H42
Chromosome numbers.

815 KAMB, P. Chromosome numbers in the genus Amsinckia. Madroño 11:305-307. Oct.1952. 450 M26

816 KIESSELBACH, T. A., and WALKER, E. R. Structure of certain specialized tissues in the kernel of corn. Amer. J. Bot. 39:561-569. Ref. Oct.1952. 450 Am36

817 KLEČKA, A. A spike of rye containing seeds of wild oat. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. 25:153-162. Mar.1952. 19.5 C332C

818 KOORIBA, H. Shokubutsu no keitai [Plant morphology]. Tokyo,Iwanami Shoten,1951. 265 p. 463.42 K83

819 LABOURIAU, L. G. Contribution to the study of sporophyll morphogenesis in Anemia Sw.. VI. Further studies on the correlation between fertile and sterile fronds. Phyton [Buenos Aires] 2:17-35. Ref. July 1952. 450 P567

820 LADEFOGED, K. The periodicity of wood formation. Danske Vidensk. Selsk. Biol. Skr. 7(3),98 p. Ref. 1952. 442.9 D23B

821 LARSON, R. I. Aneuploid analysis of inheritance of solid stem in common wheat. (Abs.) Genetics 37: 597-598. Sept.1952. 442.8 G28

822 LAWALREE, A. L'embryologie des Lemnaceae; observations sur Lemna minor L. Cellule 54:305-326. Ref. 1952. 442.8 C33

823 LEINFELLNER, W. Die homologien zwischen den kelch- und laubblättern der Mesembryanthemeen. Osterr. Bot. Z. 99:295-317. Ref. 1952. 450 Os7

824 LEINFELLNER, W. Pseudodimere gynözeen bei Lobelia cardinalis. Osterr. Bot. Z. 99:220-227. Ref. 1952. 450 Os7

825 LEINFELLNER, W. Transversale abflachungen im spitzenbereich der karpelle. Österr. Bot. Z. 99:455-468. Ref. 1952. 450 Os7

826 LEINFELLNER, W. Zur homologisierung der querzonen an unifazialen laub- und kelchblättern. Osterr. Bot. Z. 99:405-408. 1952. 450 Os7

827 LEMESLE, R. Nature des éléments sclérenchymateux de la tige du Lactoris fernandeziana Philippi et position systématique des Lactoridacées. Acad. des Sci. Compt. Rend. 235:814-816. Oct.13,1952. 505 P21

828 LEMESLE, R. Trachéides à face interne striée dans le bois de deux Ombellifères apioïdées à port arbustif. Acad. des Sci. Compt. Rend. 235:896-898. Oct.20,1952. 505 P21

829 LIASHCHENKO, I. F. Biological characteristics of double-spike wheat. (In Russian.) Selek. i Semen. 19(9):17-21. Sept.1952. 61.9 Se5

830 LINDEGREN, C. C. The structure of the yeast cell. Soc. Expt. Biol. Symposia 6:277-289. Ref. 1952. 442.9 So15

831 LISAVENKO, M. A. Fasciation in black currants. (In Russian.) Sad i Ogorod 6:30-33. June 1952. 80 Sa13

832 MAHABALE, T. S., and MELLO, J. D' Apogamy in Salvinia. Cur. Sci. 21:227-228. Aug.1952. 475 Sci23

833 MANTON, I. The fine structure of plant cilia. Soc. Expt. Biol. Symposia 6:306-319. Ref. 1952. 442.9 So15

834 MARTENS, P. Nouvelles recherches sur les organes sporangiaux et parasporangiaux chez les fougères. I. Paraphyses et sore chez Polypodium nigrescens Bl. Cellule 54:327-338. 1952. 442.8 C33

835 MARTENS, P. Les préphanérogames et le problème de la graine. Cellule 54:103-132. Ref. 1951. 442.8 C33

836 MOLOTKOVSKIĬ, G. KH. Changes in the form of beech leaves. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:34-35. 1951. 451 M854

837 MOUTSCHEN, J. Etude de la méiose et induction de colchico-polyploïdes chez Amblystegium riparium. Cellule 54:351-362. 1952. 442.8 C33

838 MUKHERJEE, S. K. Meiosis in some Corchorus spp. Sci. & Cult. 18:91. Aug.1952. 475 Sci24

839 NAKAJIMA, G. Cytological studies on intergeneric F_1 hybrid between Triticum and Secale, with special reference to the number of bivalents in meiosis of PMC-s. Cytologia 17:144-155. Ref. Aug.1952. 442.8 C99

840 NAVASHIN, S. G. Izbrannye trudy [Selected works], v. 1. Moskva,Akademiîa Nauk SSSR,1951. 361 p. 463.42 N22
Chiefly on plant embryology.

841 NISHIDA, M. Dichotomy of vascular system in the stalk of Ophioglossaceae. J. Jap. Bot. 27:165-171. Ref. June 1952. 450 J8223
Studies on the systematic position and constitution of Pteridophyta—2.

842 OINUMA, T. Karyomorphology of cereals. I. Constancy of karyotype in one race as the basis of the karyomorphology. (In Japanese.) Jap. J. Genet. 27:56-64. Apr.1952. 442.9 J27
English summary.
Barley.

843 OKUNO, S. Cytological studies on potatoes with some remarks on genetical experiments. II. Jap. J. Genet. 27:3-21. Ref. Apr.1952. 442.9 J27

844 OYAMA, T. Cytological studies on the morphological abnormalities and on its healing of leaves in Trifolium repens, induced by X-ray treatment. (In Japanese.) Jap. J. Genet. 27:33-37. Apr.1952. 442.9 J27
English summary.

845 PETROVA, K. A. Certain characteristics in the development of the female gametophyte in representatives of the thistle family and herbs. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:39-53. Ref. 1951. 451 M854

846 PLANTEFOL, L. Sur les "feuilles" soudées en cornet" du Linum usitatissimum L. Acad. des Sci. Compt. Rend. 235:386-388. Aug.4,1952. 505 P21

847 PLANTEFOL, L. Variations des "cornets foliaires" tératologiques du Linum usitatissimum L. Acad. des Sci. Compt. Rend. 235:812-814. Oct.13,1952. 505 P21

848 PURI, V. Placentation in angiosperms. Bot. Rev. 18:603-651. Ref. Nov.1952. 450 B6527

849 RAFOLS, W. DE. Análisis cromatográfico de los hidratos de carbono del T. kok-saghyz, Rod. Asoc. Nac. de Ingen. Agron. B. 3(28):1-5. Ref. July 1952. 58.9 As5
English summary.

850 RAJU, M. V. S. Embryology of Anagallis pumila Swartz. Indian Acad. Sci. Proc. Sect. B 36:34-42. July 1952. 513 In25B

851 RANGANATHAN, B., and SUBRAMANIAM, M. K. Studies on the cytology of yeasts. VI. Lethal chromosomal mutations in yeasts. Indian Inst. Sci. J. 34:235-251. Ref. July 1952. 513 In23

852 RAO, T. A. Studies on foliar sclereids in dicotyledons. IV. Structure and development of sclereids in the leaf of Ternstroemia japonica L. Natl. Inst. Sci. India. Proc. 18:233-239. Ref. May/June 1952. 513 N212

853 SACHS, L. Chromosome mosaics in experimental amphiploids in the Triticinae. Heredity 6:157-170. Ref. Aug.1952. 443.8 H42

854 SAGAĬDAK, I. N. Increasing the productivity of plants by grafting an additional root onto them. (In Russian.) Selek. i Semen. 19(5):54-57. May 1952. 61.9 Se5

855 SAKAI, B. Zytologische untersuchungen bei Iridaceen. I. Über die karyotypen verschiedener arten der unterfamilie iridoideae. Cytologia 17:104-111. Ref. Aug.1952. 442.8 C99

856 SALTER, T. M. Notes on the process of forming contractile roots and the lowering of the first bulbils by seedlings of the South African Oxalis which produce endospermous seeds. J. So. African Bot. 17: 189-194. Oct.1951,pub.Aug.1952. 450 J8262

857 SCARASCIA, G. T. Development of anther tapetum in Nicotiana tabacum var. Bright. (In Italian.) Tabacco 56:195-217. July 1952. 69.8 T115
English summary.

858 SCHILLER, J. Uber die vermehrung des paramylons und über alterserscheinungen bei Eugleninen. Österr. Bot. Z. 99:413-420. Ref. 1952. 450 Os7

859 SCHNEIDER, R. Histogenetische untersuchungen über den bau der laubblätter, insbesondere ihres mesophylls. Osterr. Bot. Z. 99:253-285. Ref. 1952 450 Os7

860 SCHWANITZ, F. Einige kritische bemerkungen zur methode der bestimmung der polyploidie durch messung der pollen- und spaltöffnungsgrösse. Züchter 22: 273-275. 1952. 442.8 Z8

861 SCHWANITZ, F. Untersuchungen an polyploiden pflanzen. XIII. Zellgrösse und blütenfüllung. Untersuchungen an polyploiden formen von Bryophyllum daigremontianum Hamet et Perrier sowie an gefüllten und ungefüllten formen verschiedener gartenpflanzen. Züchter 22:244-254. Ref. 1952. 442.8 Z8

862 SOKOLOVA, S. Variation in the formation of grain within the confines of a spike of wheat. (In Russian.) Selek. i Semen. 19(8):73-74. Aug.1952. 61.9 Se5

863 SÖRGEL, G. Dauerorganbildnung bei Rozella allomycis Foust, ein beitrag zur kenntnis der sexualität der niederen Phycomyceten. Arch. f. Mikrobiol. 17:247-254. 1952. 442.8 Ar26

864 SOUÈGES, R. Embryogénie des Ombellifères. Développement de l'embryon chez l'Astrantia major L. Acad. des Sci. Compt. Rend. 235:674-677. Oct.6,1952. 505 P21

865 SRINIVASAN, V. K. Chromosome numbers in the genus Zizyphus. Cur. Sci. 21:224-225. Aug.1952. 475 Sci23

866 STANDLEY, P. C. Amaryllis de flores dobles. Ceiba 3:146-149. Oct.1,1952. 475 C32

867 STOREY, W. B. Chromosome numbers of some Vanda species and hybrids. Amer. Orchid Soc. B. 21:801-806. Ref. Nov.1952. 80 Am329

868 SUBRAMANIAM, M. K. Tetraploidy in yeasts. Cellule 54:143-148. 1951. 442.8 C33

869 SUSSEX, I. M. Regeneration of the potato shoot apex. Nature [London] 170:755-757. Nov.1,1952. 472 N21

870 SVESHNIKOVA, I. N. Comparative analysis of the centrosome in animal and plant cells. (In Russian.) Akad. Nauk SSSR. Dok. 84:797-800. Ref. June 1, 1952. 511 P444A
Mitosis.

871 TABENTSKIĬ, D. A. Condition of plastids in evergreen plants during the winter season. (In Russian.) Bot. Zhur. 37:531-535. Ref. July/Aug.1952. 451 R923

872 TAKASHIMA, S., KOBASHI, Y., and NARA, Y. Studies on the morphological differences in Cucurbita. VIII-IX. (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:50-60. Ref. Mar.1952. 22.5 K993
English summary.
VIII, Interspecific differences of stomata and pollen, by S. Takashima, and Y. Kobashi; IX, Interspecific differences of bisexual flower, by S. Takashima, and S. Nara.

873 TAKUSAGAWA, H. Chromosome numbers of the Vitaceae. Jap. J. Genet. 27:22-24. Apr.1952. 442.9 J27

874 TANAKA, N., TAKEMASA, N., and SINOTÔ, Y. Karyotype analysis in Gymnospermae. I. Karyotype and chromosome bridge in the young leaf meristem of Ginkgo biloba L. Cytologia 17:112-123. Ref. Aug.1952. 442.8 C99

875 TATUNO, S., and WATANABE, K. Cytological studies on the Pellia neesiana with acetic-orcein, with special reference to the chromonema. (In Japanese.) Jap. J. Genet. 27:28-32. Apr.1952. 442.9 J27
English summary.

876 TEAS, H. J. A morphological basis for higher niacin in sugary maize. Natl. Acad. Sci. Proc. 38:817-822. Ref. Sept.1952. 500 N21P

877 TOURNAY, R. Le sporophyte de Marsilea. Recherches sur M. hirsuta R. Br. Cellule 54:163-218. Ref. 1951. 442.8 C33

878 TROLL, W. Uber den infloreszenzbegriff und seine anwendung auf die blühende region krautiger pflanzen. Mainz,1951. 41 p. (Akademie der Wissenschaften und der Literatur. Abhandlungen der Mathmatisch-naturwissenschaftlichen Klasse. Jahrg. 1950, 15) 463.3 T74

879 VASILJEVIĆ, S. The relation between the number of xylem rays with regard to the width and age of growth rings in the case of Acer pseudoplatanus L. (In Serbo-Croatian.) Beograd. U. Šumarski Fakul. Glasnik 3:41-47. 1951. 99.9 B415
English summary.

880 VENKATESH, C. S. Anther and pollen grains of Zannichellia palustris L. Cur. Sci. 21:225-226. Aug.1952. 475 Sci23

881 VILMORIN, R. DE., and CHOPINET, R. Polyploïdie expérimentale. Jard. de France (ser.7) 6:153-166. Ref. June/July 1952. 86 So13

882 VOIGT, J. W. A technique for morphological analysis in population studies. Rhodora 54:217-220. Sept.1952. 450 R34

883 WAGNER, W. H., JR. Types of foliar dichotomy in living ferns. Amer. J. Bot. 39:578-592. Oct. 1952. 450 Am36

884 WALSH, H. A note on the calyptra and reproductive period of Polytrichum aloides Hedw. Brit. Bryological Soc. Trans. 2:83-84. 1952. 451 B773

885 WEBER, F., and THALER, I. Stomata-zahl der hochblätter von "Poinsettia." Österr. Bot. Z. 99:452-454. 1952. 450 Os7

886 WOLF, M. J., and others. Structure of the mature corn kernel. I-IV. Cereal Chem. 29:321-382. Ref. Sept.1952. 59.8 C33
C. L. Buzan, M. M. MacMasters, and C. E. Rist, joint authors.

887 WULFF, H. D. Zytologische beobachtungen an rosenbastarden (R. canina L. x R. corilifolia Fries var. froebelii Rehd. und R. corilifolia Fries var. froebelii Rehd. x R. multiflora Thunb.) Züchter 22:233-244. Ref. 1952. 442.8 Z8

888 YAKAR, N. Mitotic disturbances caused by chloranil. Amer. J. Bot. 39:540-546. Ref. Oct.1952. 450 Am36
Tests with seeds of Vicia faba and root tips of Allium cepa.

889 YAMAZUMI, R. Anatomical studies on the defoliation in some plants. 2. (In Japanese.) J. Jap. Bot. 27:139-142. Ref. May 1952. 450 J8223
English summary.

890 YATES, J. J., and BRITTAN, N. H. Cytological studies of subterranean clover (Trifolium subterraneum L.) Austral. J. Agr. Res. 3:300-304. July 1952. 23 Au783

891 ZEPF, E. Uber die differenzierung des Sphagnumblattes. Z. f. Bot. 40:87-118. Ref. 1952. 450 Z32

GENETICS

892 ALEKSEEVA, M. V. On some species of bulbous plants [Allium]. (In Russian.) Agrobiologiîa 3: 60-74. Ref. May/June 1952. 20 Ag822
Onion and garlic genetics chiefly.

893 ANSELMI LAUKIN, M. S. Estudio preliminar de selección de papa con miras a la creación de un "Instituto de la Papa." Agronomia [Lima] 17(70):57-71. July 1952. 9.8 Ag83
Peru.

894 ARUTIŪNOVA, L. G. Hereditary changes in the cotton plant effected by pollen from other genera. (In Russian.) Agrobiologiîa 3:27-33. May/June 1952. 20 Ag822

895 BAKHAREV, A. N. Latest works of Michurinites. (In Russian.) Priroda 41(7):73-83. July 1952. 410 P933
Plant genetics.

896 BAKHAREV, A. N. What is the work of the Central Genetics Laboratory named for I. M. Michurin? (In Russian.) Sad i Ogorod 3:20-24. Mar.1952. 80 Sa13

897 BALDIN, P. G. On vegetative hybridization of tomatoes. (In Russian.) Agrobiologiîa 4:142-145. July/Aug.1952. 20 Ag822

898 BARTLEY, B. G., and WEBER, C. R. Heritable and nonheritable relationships and variability of agronomic characters in successive generations of soybean crosses. Agron. J. 44:487-493. Ref. Sept.1952. 4 Am34P

899 BERGMAN, B. T. Chondrilla chondrilloides, a new sexual Chondrilla species. Hereditas 38:367-369. 1952. 442.8 H42

900 BREWBAKER, J. L., and ANDERSON, W. P. Multiple alleles conditioning leaf markings in Trifolium repens. (Abs.) Genetics 37:568. Sept.1952. 442.8 G28

901 BRINK, R. A., and NILAN, R. A. The genetic basis of light variegated pericarp in maize. (Abs.) Genetics 37:569. Sept.1952. 442.8 G28

902 BRINK, R. A., and NILAN, R. A. The relation oetween light variegated and medium variegated pericarp in maize. Genetics 37:519-544. Sept.1952. 442.8 G28

903 BYSTRAIA, M. F. Supplementary pollination of the cotton plant. (In Russian.) Agrobiologiîa 3:34-38. Ref. May/June 1952. 20 Ag822

904 CHASE, S. S. Selection for parthenogenesis and monoploid fertility in maize. (Abs.) Genetics 37: 573-574. Sept.1952. 442.8 G28

905 COPP, L. G. L., and WRIGHT, G. M. The inheritance of kernel weight in a Triticum vulgare cross. Heredity 6:187-199. Ref. Aug.1952. 443.8 H42

906 DAHLGREN, K. V. O. Chromosomes in Geranium bohemicum and G. lanuginosum with some notes on the hybrid. Hereditas 38:314-320. Ref. 1952. 442.8 H42

907 DEUFEL, J. Auslösung von chromosomenmutationen durch äthylurethan in abhängigkeit von der konzentration. Chromosoma 4:611-620. Ref. 1950/52. 442.8 C46

Vicia faba used in the experiment.

908 FEITSARENKO, A. I. Obtaining wheat plants from barley seeds. (In Russian.) Agrobiologiîa 4:121-122. July/Aug.1952. 20 Ag822

909 FILIPPENKO, G. Effect of grafting on ripening of cotton and on the increase of its crop. (In Russian.) Khlopkovodstvo 6:17-24. June 1952. 72.8 K522

Putting buds from the lower part of the plant on the upper branches.

910 FOWELL, R. R. Sodium acetate agar as a sporulation medium for yeast. Nature [London] 170:578. Oct.4,1952. 472 N21

Genetical analysis.

911 GABELMAN, W. H. Genetic control of the cytoplasmic factor for male-sterility in maize. (Abs.) Genetics 37:582-583. Sept.1952. 442.8 G28

912 GRAEFLINGER, B. Genetic method. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(3):6-16. Mar.1952. 9.2 M663

Plants.

913 GRANT, V. Isolation and hybridization between Aquilegia formosa and A. pubescens. Aliso 2: 341-360. Ref. Aug.31,1952. 450 AL4

914 GRIFFING, B. Contribution of genotypic and environmental effects to the relationships existing among tomato yield components. (Abs.) Genetics 37:588-589. Sept.1952. 442.8 G28

915 GROSS, S. R. Heterokaryosis between opposite mating types in Neurospora crassa. Amer. J. Bot. 39:574-577. Ref. Oct.1952. 450 Am36

916 HÄNSL, H. Bericht über das Institut für Pflanzenzüchtung der Universität in Cambridge (England). Bodenkultur 6:196-201. Ref. 1952. 19 B635

917 HARTE, C., and BISSINGER, B. Entwicklungsgeschichtliche untersuchung der durch die faktoren fr und ster bedingten pollensterilität bei Oenothera. Z. f. Induktive Abstam.- u. Vererblehre. 84:251-269. Ref. 1952. 442.8 Z34

918 HOLST. Erfahrungen mit tetraploidem roggen. Praxis u. Forsch. 4:117-118. Sept.20,1952. 18 P89

919 HOWARD, H. W. Autotetraploid green watercress. J. Hort. Sci. 27:273-277. Oct.1952. 80 J825

920 JAMES, A. P. An exceptionally frequent induced genetic change in yeast. (Abs.) Genetics 37:592-593. Sept.1952. 442.8 G28

921 JOHNSON, I. J. Effectiveness of recurrent selection for general combining ability in sweetclover, Melilotus officinalis. Agron. J. 44:476-481. Sept.1952. 4 Am34P

922 JUNGFER, E. Versuche zum problem der reizfruchtung an gerstenbastarden. Züchter 22:175-179. Ref. 1952. 442.8 Z8

923 KADAM, B. S., and others. Inheritance of red leaf colour in tobacco. Indian Tobacco 2:89-90. Apr./June 1952. 69.8 In2

T. Krishnamurty, G. J. Patel, and B. Radhakrishnamurty, joint authors.

924 KALTON, R. R., SMIT, A. G., and LEFFEL, R. C. Parent-inbred progeny relationships of selected orchardgrass clones. Agron. J. 44:481-486. Ref. Sept.1952. 4 Am34P

925 KAN, M., and OSHIMA, T. On the F_1 hybrids of the intervarietal cross of corn. (In Japanese.) Kyushu Noji Shikinjo 8:53-54. Oct.1951. 107.6 K996

926 KAY, R., and PHINNEY, B. The control of chlorophyll and carotenoid production by a virescent gene in maize. (Abs.) Genetics 37:593-594. Sept.1952. 442.3 G28

927 KELLENBARGER, S. Inheritance and linkage data of some characters in peas (Pisum sativum). J. Genet. 51:41-46. July 1952. 442.8 J823

928 KHARITONOVA, E. N. Effect of age of maternal plant on quality of [cherry] hybrid seedlings. (In Russian.) Agrobiologiîa 4:147-150. Ref. July/Aug. 1952. 20 Ag822

929 KHMELEV, B. I. Preliminary vegetative approach in non-related crossings of wheat. (In Russian.) Agrobiologiia 4:139-142. Ref. July/Aug.1952. 20 Ag822

Transplantation of embryos.

930 KHMELEV, B. I. Vegetative hybridization through transplanting [rye and wheat] embryos. (In Russian.) Selek. i Semen. 19(5):10-15. May 1952. 61.9 Se5

931 KLIMENKO, K. T., and KLIMENKO, V. N. Pollination of citrus with a pollen mixture. (In Russian.) Agrobiologiîa 3:39-43. May/June 1952. 20 Ag822

932 KLYKOV, A. P. Hereditary changes in soybeans during growth under conditions of low temperatures. (In Russian.) Agrobiologiîa 4:70-75. July/Aug. 1952. 20 Ag822

933 KNIGHT, R. L. The genetics of jassid [Empoasca libyca] resistance in cotton. I. The genes H_1 and H_2. J. Genet. 51:47-66. Ref. July 1952. 442.8 J823

934 KONINCK, M. DE. Estación Gregor Mendel, Quezaltenango. Informe. Guatemala? 1951. 21 p. 102 Q3

Plant breeding.

935 LARSSON, N. G. Plant breeding experiments of Malmöhus Province Agricultural Society during the year 1951. (In Swedish.) Malmohus Läns Hushsällsk. Kvrtlskr. 2:111-167. 1952. 11 M29

936 LAUGHNAN, J. R. The A^b components as members of a duplication in maize. (Abs.) Genetics 37: 598. Sept.1952. 442.8 G28

937 LEVAN, A., and WANGENHEIM, K. H., FREIHERR VON. Potassium cyanide in the Allium test. Hereditas 38:297-313. 1952. 442.8 H42

938 LIMA-DE-FARIA, A. Chromomere analysis of the chromosome complement of rye. Chromosoma 5:1-68. Ref. 1952. 442.8 C46

939 LINDEGREN, C. C., and LINDEGREN, G. The tripartite nature of the MZ gene system in Saccharomyces. (Abs.) Genetics 37:601-602. Sept.1952. 442.8 G28

940 LINDER, R. Observation de l'incompatibilité dans Oenothera fruticosa L. Acad. des Sci. Compt. Rend. 235:516-517. Sept.1,1952. 505 P21

941 LIÛBIMOVA, V. F. Multi-pistillate blooms of the wheat-Agropyron repens hybrids. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:16-24. Ref. 1951. 451 M854

942 LOVELACE, R. The effects of pre- and post-treatment with ultraviolet radiation on the frequency of gamma-ray-induced aberrations in Tradescantia chromosomes. (Abs.) Genetics 37:602-603. Sept.1952. 442.8 G28

943 LYSENKO, T. D. Conversion of non-wintering spring varieties [of grain] into cold-resistant winter ones. (In Russian.) Agrobiologiîa 4:3-11. July/Aug. 1952. 20 Ag822

Also in Vsesoîûzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):3-10. 1952. 20 Ak1; Sovet. Agron. 10 (9):1-10. Sept.1952. 20 So84

944 MAINLAND, G. B. Epistatic ratios involving two phenotypes. Heredity 6:259-261. Aug.1952. 443.8 H42

Example from plants.

945 MARKERT, C. L. Genetic control of glutathione synthesis in Glomerella. (Abs.) Genetics 37:603-604. Sept.1952. 442.8 G28

946 MARQUARDT, H. Uber die spontanen aberrationen in der anaphase der meiosis von Paeonia tenuifolia. Chromosoma 5:81-112. Ref. 1952. 442.8 C46

947 MARSDEN-JONES, E. M., and TURRILL, W. B. Studies in Ranunculus. IV. J. Genet. 51:26-31. July 1952. 442.8 J823

948 METCALF, H. N. Observations on pod-color ratio in a Cuban stock of the Black Turtle Soup Bean. Mont. Acad. Sci. Proc. 9:29-31. 1949,pub.1951. 500 M762

949 MOREY, D. D., and EARHART, R. W. Golden oats. J. Hered. 43:181-182. July/Aug.1952. 442.8 Am3

950 MUKHIN, N. D. Change of ordinary forms of soft spring wheat into branching ones. (In Russian.) Agrobiologiîa 4:114-119. July/Aug.1952. 20 Ag822

951 MURRAY, M. J. Colchicine-induced tetraploids of fifteen species of Mentha. (Abs.) Genetics 37: 609. Sept.1952. 442.8 G28

952 MURRAY, M. J. Evolutionary trends and species barriers in three genera, Acnida, Amaranthus, and Mentha. (Abs.) Genetics 37:608-609. Sept.1952. 442.8 G28

953 ONO, H., and SAKAI, B. Intergeneric hybridization in Cichorieae, XI. On the diminution of the chromosome number in the F_1-hybrid of Paraixeris denticulata and Lactuca squarrosa. Cytologia 17:97-103. Ref. Aug.1952. 442.8 C99

954 ORLOVSKIĬ, N. I. Effect of growing conditions for sugar beets on change of productivity in subsequent generations. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 4:31-42. July/Aug.1952. 511 Sa2B

955 PALMER, T. P. Population and selection studies in a Triticum cross. Heredity 6:171-185. Ref. Aug.1952. 443.8 H42

956 PARNACHEV, P. V. Change in nature of spring wheats during spring sowing. (In Russian.) Agrobiologiîa 4:63-65. July/Aug.1952. 20 Ag822

957 PERKINS, D. D., BARRATT, R. W., and NEWMEYER, D. L. Mapping functions for tetrads, and their application to Neurospora. (Abs.) Genetics 37:613-614. Sept.1952. 442.8 G28

958 PESTALOZZI, M. Aus der pflanzenzüchtung Dänemarks. Schweiz. Landwirt. Monatsh. 9:316-320. Sept.20,1952. 17 Sch93

959 PILIPENKO, F. S. Appearance of new species and types of Eucalyptus. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:62-79. 1951. 451 M854

960 PIROVANO, A. A dynamic pioneer in Russian fruit genetics. (In Italian.) Agricoltura 1(8):19-22. Aug.1952. 16 Ag8226
Michurin.

961 POMPER, S. A pH-sensitive, multiple mutant of Saccharomyces cerevisiae. J. Bact. 64:353-361. Ref. Sept.1952. 448.3 J82

962 PONTECORVO, G., and ROPER, J. A. Genetic analysis based on mitotic crossing-over in heterozygous diploids of Aspergillus nidulans. (Abs.) Heredity 6:280-281. Aug.1952. 443.8 H42

963 POZDNÍAKOV, L. K. Intergeneric hybrid from the rose family [Rosaceae]. (In Russian.) Akad. Nauk SSSR. Dok. 85:1161-1164. Aug.11,1952. 511 P444A

964 RAPER, J. R., and SANANTONIO, J. P. Heterokaryotic mutagenesis in the tetrapolar fungus, Schizophyllum. (Abs.) Genetics 37:616. Sept.1952. 442.8 G28

965 RILEY, H. P. "Gene" and "genetics." Amer. Nat. 86:249-250. July/Aug.1952. 470 Am36
Includes plants.

966 ROJAS, B. A., and SPRAGUE, G. F. A comparison of variance components in corn yield trials. III. General and specific combining ability and their interaction with locations and years. Agron J. 44:462-466. Sept.1952. 4 Am34P

967 ROMAN, H. Polyploidy and phenotypic ratios in Saccharomyces. (Abs.) Genetics 37:620. Sept.1952. 442.8 G28

968 RUFFALDI, G. B. Autosterility and autofertility. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:368-371. Sept.1952. 16 C72
Plants.

969 RYZHEEVA, O. I. Vegetative hybridization of safflowers and sunflowers. (In Russian.) Selek. i Semen. 19(5):77-78. May 1952. 61.9 Se5

970 SCHWARTZ, D. Evidence for sister-strand crossing over in maize. (Abs.) Genetics 37:623-624. Sept.1952. 442.8 G28

971 SENGBUSCH, R. VON. Ein weiterer beitrag zur vererbung des geschlechts bei hanf als grundlage für die züchtung eines monözischen hanfes. Z. f. Pflanzenzücht. 31:319-338. Ref. Aug.1952. 450 Z36

972 SHOWALTER, A. M. Inbred strains of Cucurbita moschata var. Golden cushaw, and some hybrids of these inbred strains. (Abs.) Genetics 37:624. Sept.1952. 442.8 G28

973 SHUL'GA, P. M. Vegetative hybridization of strains of peas. (In Russian.) Selek. i Semen. 19(5):24-26. May 1952. 61.9 Se5

974 SHULYNDIN, A. F. Obtaining a spring form of Russian vetch [Vicia villosa]. (In Russian.) Agrobiologiîa 4:66-69. July/Aug.1952. 20 Ag822

975 SHUVAEV, I. S. Influence of traits of maternal variety on the formation of economically valuable characteristics in hemp hybrids. (In Russian.) Selek. i Semen. 19(8):18-23. Aug.1952. 61.9 Se5

976 SIMMONDS, N. W. Experiments on the pollination of seeded diploid bananas. J. Genet. 51:32-40. July 1952. 442.8 J823

977 SINGLETON, W. R., KONZAK, C. F., and MATTHEWS, D. L. Microspore and megaspore mutation rates in maize. (Abs.) Genetics 37:626. Sept.1952. 442.8 G28

978 SLONIMSKI, P. P., and HIRSCH, H. M. Nouvelles données sur la constitution enzymatique du mutant "petite colonie" de Saccharomyces cerevisiae. Acad. des Sci. Compt. Rend. 235:741-743. Oct.6,1952. 505 P21

979 SNEEP, J. The significance of andromonoecy for the breeding of Asparagus officinalis L. (In Dutch.) Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 31: 758-766. Ref. Nov.1951. 86 W12
English summary.

980 SOLOV'EV, G. M. Importance of heterostyly in hybridization of buckwheat. (In Russian.) Selek. i Semen. 19(4):17-28. Apr.1952. 61.9 Se5

981 SPARROW, A. H., DENEGRE, M., and HANEY, W. J. Somatic mutations in Antirrhinum produced by chronic gamma irradiation. (Abs.) Genetics 37:627-628. Sept.1952. 442.8 G28

982 SPIEGELMAN, S. Mapping functions in tetrad and recombinant analysis. Science 116:510-512. Ref. Nov.7,1952. 470 Sci2
In plants.

983 STAUDT, G. Cytogenetische untersuchungen an Fragaria orientalis Los. und ihre bedeutung für artbildung und geschlechtsdifferenzierung in der gattung Fragaria L. Z. f. Induktive Abstam.- u. Vererblehre. 84:361-416. Ref. 1952. 442.8 Z34

984 STØKKEN, S. A morning at Svalöf. (In Norwegian.) Norsk Landbr. 18:346-349. Sept.26,1952. 11 N8122

985 STRAUSS, B. S. Pleiotrophic effects of a mutation associated with low carboxylase activity in Neurospora. (Abs.) Genetics 37:631. Sept.1952. 442.8 G28

986 TANAKA, R. Vergleichende untersuchungen uber die fertilität bei selbstbestäubung in der polyploidie von Chrysanthemum. Jap. J. Genet. 27:1-2. Apr.1952. 442.9 J27

987 TONNIER, J. P. Note sur quelques travaux concernant la génétique du vanillier. Entrep. et Prod. de Madagascar 9:57-62. Oct./Dec.1951. 280.8 En8

988 TORRES, J. P., and SOLPICO, F. O. The breeding of Philippine crops. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.91-114. Ref. Manila,Graphic House,1952. 37 P533

989 TSITSIN, N. V. Wheat and Agropyron repens hybrids. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:3-12. 1951. 451 M854

990 TSITSIN, N. V. Winter wheat with branches. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:17-23. 1951. 451 M854

991 TURBIN, N. V. Effect of the mother plant's pollen during crossing on the vitality of the hybrid offspring. (In Russian.) Zhur. Obshch. Biol. 13:306-310. Ref. July/Aug.1952. 442.8 Z6
Experiments with tomatoes and wheat.

992 VARENTSA, E. T. Method for hybridization of Setaria italica. (Preliminary report). (In Russian.) Selek. i Semen. 19(5):16-20. May 1952. 61.9 Se5

993 VINNIK, A. G., and VETUSHNIAK, L. F. Intervarietal crossing of cucumbers. (In Russian.) Agrobiologiià 4:125-131. July/Aug.1952. 20 Ag822

994 WAGENINGEN. INSTITUUT VOOR DE VEREDELING VAN TUINBOUWGEWASSEN. Algemene veredelingsdagen 1951. Horticultural plant breeding days 1951. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 32,120 p. Mar.1952. 86 W12
English summaries.

995 WETTSTEIN, D. VON. Halmaufbau und standfestigkeit bei erectoides mutanten der gerste. Hereditas 38:345-366. Ref. 1952. 442.8 H42

996 WINGE, O. The genetic situation concerning fermentation in yeasts. Heredity 6:263-269. Ref. Aug. 1952. 443.8 H42

997 WOODWARD, V. W., DE ZEEUW, J. R., and SRB, A. M. Selection of particular biochemical mutants in Neurospora from differentially germinated conidial filtrates. (Abs.) Genetics 37:637. Sept.1952. 442.8 G28

998 WYLIE, A. P. The history of the garden Narcissi. Heredity 6:137-156. Ref. Aug.1952. 443.8 H42

999 YAMASHITA, K. Synthesis of all types of ring complexes in Einkorn wheats [Triticum aegilopoides and T. monococcum]. (Abs.) Genetics 37:637-638. Sept.1952. 442.8 G28

PHYSIOLOGY

1000 AACH, H. G. Über wachstum und zusammensetzung von Chlorella pyrenoidosa bei unterschiedlichen lichtstärken und nitratmengen. Arch. f. Mikrobiol. 17: 213-246. Ref. 1952. 442.8 Ar26

1001 ABOUL-ELA, M. M. Physiological changes and freezing injury in maturing maize. Plant Physiol. 27:778-786. Ref. Oct.1952. 450 P692

1002 AHMAD, M. Single-spore cultures of heterothallic Saccharomyces cerevisiae which mate with both the tester strains. Nature [London] 170:546-547. Sept. 27,1952. 472 N21

1003 ALBAUM, H. G. The metabolism of phosphorylated compounds in plants. Annu. Rev. Plant Physiol. 3: 35-58. Ref. 1952. 450 An78

1004 ALTEN, F., and RATHJE, W. Zur säure neutralisierenden wirkung des kaliums in lebenden zellen I. Parallelität von kaliumgehalt und atmungsintensität in hefezellen. Landwirt. Forsch. 3:139-143. Ref. 1952. 18 L2333

1005 ALVIM, P. DE T. Some physiological studies at the Inter-American Cacao Center. Inter-Amer. Tech. Cacao Comt. Proc. 4:22-31. Ref. June 1952. 68.39 In8

1006 ANDEL, O. M. VAN. Germination of the spores and development of primary and secondary protonema of Funaria hygrometrica. Brit. Bryological Soc. Trans. 2: 74-81. Ref. 1952. 451 B773

1007 ANDERSEN, S. Sensitivity to 2,4-D of barley and oats at different stages of development. Physiol. Plant. 5:321-333. Ref. 1952. 450 P564

1008 ANDERSON, W. P., LINDER, P. J., and MITCHELL, J. W. Evaporation of some plant growth regulators and its possible effect on their activity. Science 116:502-503. Nov.7,1952. 470 Sci2

1009 ANDREEV, V. N. On the growth of branched lichens [Cladonia]. (In Russian.) Akad. Nauk SSSR. Dok. 85:909-912. Ref. Aug.1,1952. 511 P444A

1010 ANDREW, R. H. Volume changes and germination of sweet corn kernels at different temperature sequences. Agron. J. 44:473-476. Ref. Sept.1952. 4 Am34P

1011 ANERUD, K. Some important deficiency diseases. (In Swedish.) Försök och Forsk. 9:64-65. Aug./Sept.1952. 11 F77

1012 ANGELL, H. R. Seedling blight. V. A new soil moisture relationship to the disease in peas. Austral. Inst. Agr. Sci. J. 18:99-101. June 1952. 23 Au74

1013 ARASHI, K., TATEISHI, S., and HOSOKAWA, H. Studies on the changes of internode weights during the developing period of rice stalk. (In Japanese.) Kyushu Noji Shikenjo 8:21-22. Oct.1951. 107.6 K996

1014 ARASIMOVICH, V. V. Biochemical coefficients in systematic culture of plants. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:53-66. Ref. 1951. 463.29 Ak1
Fruit.

1015 ARISZ, W. H. Transport of organic compounds. Annu. Rev. Plant Physiol. 3:109-130. Ref. 1952. 450 An78

1016 ARMITAGE, H. M. Effect of naphthyl acetic acid on cherry fruiting. J. Econ. Ent. 45:738. Aug.1952. 421 J822

1017 ARNASON, T. J., PERSON, C. O., and NAYLOR, J. M. Radiation-induced mutations in wheat and barley. Canad. J. Bot. 30:743-754. Ref. Nov.1952. 470 C16C
Radioactive phosphorus and X-rays.

1018 ARNOLD, A. Über den funktionsmechanismus der endodermiszellen der wurzeln. Protoplasma 41:189-211. Ref. 1952. 442.8 P94

1019 ARNON, D. I., and HEIMBURGER, G. Extracellular photosynthetic reactions. II. Identification of radioactive malate. Plant Physiol. 27:828-833. Ref. Oct.1952. 450 P692

1020 ARTSIKHOVSKAIA, E. V., RUBIN, B. A., and IVANOVA, T. M. Oxidation process and its effect on the different organs of plants. 3-4. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:5-52. Ref. 1951. 463.29 Ak1
Citrus.

1021 ATKINSON, J. D. Certification of plant hormones. Orchardist New Zeal. 25(9):11. Oct.6,1952. 80 Or19

1022 AUDUS, L. J., and SHIPTON, M. E. 2,4-dichloranisole—auxin interactions in root-growth. Physiol. Plant. 5:430-455. Ref. 1952. 450 P564

1023 AVDONIN, N. S. Some causes for the dying off of perennial grasses [and legumes]. (In Russian.) Sovet. Agron. 10(9):21-28. Sept.1952. 20 So84
Soil acidity and mineral fertilizers.

1024 BAJPAI, P. N. Sterility in loquat. Sci. & Cult. 18:88-89. Aug.1952. 475 Sci24

1025 BALDACCI, E., CIFERRI, R., and FABRIS, A. Considerations and experiments on the rice syndrome called "luxuriant vegetation." (In Italian.) Humus 7(2): 7-12. Feb.1952. 16 H88

1026 BALTIAN, K. I. On methods for estimating the thickness of the clover stand in a mixture with timothy in connection with deepening the arable layer. (In Russian.) Sovet. Agron. 10(8):39-41. Aug.1952. 20 So84

1027 BASTELEUS, R. La vie souterraine des plantes bulbeuses. B. Hort. (n.s.)7:262-267. Sept.1,1952. 80 B873

1028 BAUER, L. Studien zum heterophyllieproblem. I. Planta 40:515-528. Ref. Aug.6,1952. 450 P693
Includes relation of photoperiodism to leaf form.

1029 BAZAVLUK, V. J. Influence of light on the transitional stages of root plants. (In Italian.) Italia Agr. 89:597-600. Sept.1952. 16 It1
Radishes and sugar beets.

1030 BECKER, M., and MOSLENER, R. Versuche über die analyse der pflanzlichen gerüstsubstanzen und den einfluss derselben auf den nährwert von nahrungs- und futtermitteln. Landwirt. Forsch. 2:97-110. Ref. 1951. 18 L2333

1031 BECKER, Y., and GUYOT, L. Sur la présence d'excrétats racinaires toxiques dans le sol de la pelouse herbeuse à Brachypodium pinnatum (faciès du xerobrometum erecti) du nord de la France. Soc. d'Hist. Nat. de Toulouse. B. 86:7-17. May 30,1951. 505 T64

1032 BEEVERS, H. Malonic acid as an inhibitor of maize root respiration. Plant Physiol. 27:725-735. Ref. Oct.1952. 450 P692

1033 BELOVA, O. D. Some potato diseases and measures to combat them. (In Russian.) Sad i Ogorod 7:68-70. July 1952. 80 Sa13
Physiological diseases.

1034 BERK, S. Biological effects of ionizing radiations from radium and polonium on certain fungi. Mycologia 44:587-598. Ref. Sept./Oct.1952. 450 M99

1035 BEWLEY, W. F. Some blemishes in glasshouse tomatoes. Tomato & Cucumber Mktg. Bd. J. 1(1):13,15-16. Mar.1952. 280.3919 T591

1036 BJERGGARD, A. Growth sustances, inedible tomatoes and spoiled heads of lettuce. (In Danish.) Gart.-Tid. 68:354. Sept.29,1952. 80 G192

1037 BLINKS, L. R. Effects of radiation on marine algae. J. Cell. & Compar. Physiol. 39(sup.2):11-18. July 1952. 444.8 J822

1038 BLISS, M. E. Light, regulator of plant growth. Crops & Soils 5(2):10-11. Nov.1952. 6 W55

1039 BOLLE, F. Phänologie aus verschiedenen gesichtspunkten. Nachrbl. des Deut. Pflanzenschutzdienstes 4:60-61. Apr.1952. 442.9 B832

1040 BONDE, E. K. Auxins and auxin precursors in acid and neutral fractions of plant extracts. Chicago, 1951. 28 p. 463.36 B649
Thesis - University of Chicago.
Microfilm.

1041 BONNER, J., and BANDURSKI, R. S. Studies of the physiology, pharmacology, and biochemistry of the auxins. Annu. Rev. Plant Physiol. 3:59-86. Ref. 1952. 450 An78

1042 BOPP, M. Entwicklungsphysiologische untersuchungen an laubmoosprotonemen. Z. f. Bot. 40:119-152. Ref. 1952. 450 Z32

1043 BORTHWICK, H. A., HENDRICKS, S. B., and PARKER, M. W. The reaction controlling floral initiation. Natl. Acad. Sci. Proc. 38:929-934. Nov.1952. 500 N21P

1044 BOURIQUET, R. Action de la mercaptoéthylamine et de la mercaptothiazoline sur quelques tissus végétaux cultivés in vitro. Acad. des Sci. Compt. Rend. 235:811-812. Oct.13,1952. 505 P21

1045 BREZHNEV, D. D., and BOSS, G. V. Effect of fertilizer on crop and on chemical composition of tomato fruits. (In Russian.) Selek. i Semen. 19(4):54-60. Apr. 1952. 61.9 Se5

1046 BRINGHURST, R. S. Sexual reproduction problems of the avocado. Citrus Leaves 32(11):26-28. Nov. 1952. 80 C492

1047 BRONSART, H. VON. Wachstum und eisengehalt in blattgemüse. Pflanze u. Gart. 2:14-15. June 1952. 80 P48

1048 BROWN, J. C., and HENDRICKS, S. B. Enzymatic acitivities as indications of copper and iron deficiencies in plants. Plant Physiol. 27:651-660. Ref. Oct.1952. 450 P692

1049 BROWN, L. C., and WILSON, C. C. Some effects of zinc on several species of Gossypium L. Plant Physiol. 27:812-817. Oct.1952. 450 P692

1050 BROWN, W. L., ANDERSON, E. G., and TUCHAWENA, R., JR. Observations on three varieties of Hopi maize. Amer. J. Bot. 39:597-609. Oct.1952. 450 Am36

1051 BRUNO, A. Carence potassique et carence zincique. Potasse 26:153-154. Sept.1952. 57.8 P84

1052 BUCHWALD, N. F. Fysiogene sygdomme hos landbrugsplanterne. II. Mangelsygdomme [Physiological diseases of field crops. II. Deficiency diseases]. København,Kgl. Veterinaer- og Landbohøjskole,1952. 40 p. Ref. 464 B85F

1053 BUGNON, P., and BUGNON, F. Feuilles juvéniles et pousses multinodales chez le pin maritime. Soc. d'Hist. Nat. de Toulouse. B. 86:18-23. May 30,1951. 505 T64
Pinus pinaster.

1054 BULARD, C. Culture aseptique d'embryons de Ginkgo biloba: rôle des cotylédons dans l'absorption du sucre et la croissance de la tige. Acad. des Sci. Compt. Rend. 235:739-741. Oct.6,1952. 505 P21

1055 BUNIN, V. M., and DANILOVA, T. A. Effect of boron and stimulators of growth on yields of sugar beet seeds. (In Russian.) Sakh. Promysh. 26(8):36-38. Aug.1952. 65.8 Sa2
Spraying with nutrient solutions.

1056 BUNNING, E. Uber den tagesrhythmus der mitosehäufigkeit in pflanzen. Z. f. Bot. 40:193-199. 1952. 450 Z32

1057 BUNNING, E., and BAUER, E. W. Über die ursachen endogener keimfähigkeitsschwankungen in samen. Z. f. Bot. 40:67-76. 1952. 450 Z32

1058 BURGER, H. Blattmenge und zuwachs im wald. (Sum.) Bern. Natforsch. Gesell. Mitt. (n.s.)9: XXXIII-XXXIV. 1952. 508 B45
Coniferae.

1059 BURGES, A., and CHALMERS, B. Neurospora following a volcanic eruption. Nature [London] 170:459-460. Sept.13,1952. 472 N21

1060 BURSTROM, H. Studies on growth and metabolism of roots. VIII. Calcium as a growth factor. Physiol. Plant.5:391-402. Ref. 1952. 450 P564

1061 BUSLOVA, E. D. Method of sterilizing tissues of higher plants. (In Russian.) Bot. Zhur. 37:519-521. Ref. July/Aug.1952. 451 R923
Equipment.

1062 CALDECOTT, R. S., FROLIK, E. F., and MORRIS, R. A comparison of the effects of X-rays and thermal neutrons on dormant seeds of barley. Natl. Acad. Sci. Proc. 38:804-809. Sept.1952. 500 N21P

1063 CALVIN, M., and others. Photosynthesis. Annu. Rev. Phys. Chem. 3:215-228. Ref. 1952. 381 An72
J. A. Bassham, A. A. Benson, and P. Massini, joint authors.

1064 CALVINO, E. M. The assimilation of molecular nitrogen. (In Italian.) Italia Agr. 89:547-549. Aug.1952. 16 It1
History of plant research.

1065 CAMERON, J. W., and SOOST, R. K. Tree size, yield and fruit characters in old and nucellar lines of citrus. Citrus Leaves 32(10):14-15,28. Oct.1952. 80 C492

1066 CAMUS, G. C., and WENT, F. W. The thermoperiodicity of three varieties of Nicotiana tabacum. Amer. J. Bot. 39:521-528. Ref. Oct.1952. 450 Am36

1067 CAPITE, L. DE. Action conjuguée de l'acide para-amino-benzoïque et de l'acide indole-β-acétique sur le parenchyme vasculaire de topinambour cultivé in vitro. Soc. de Biol. Compt. Rend. 146:863-865. June 1952. 442.9 P21

1068 CAREY, V., MITCHELL, H. L., and ANDERSON, K. Effect of nitrogen fertilization on the chemical composition of bromegrass. Agron. J. 44:467-469. Sept.1952. 4 Am34P

1069 CARLES, J. La nutrition minérale du chataignier. Soc. d'Hist. Nat. de Toulouse. B. 86:276-280. Dec.30,1951. 505 T64

1070 CHANDRARATNA, M. F. Photoperiod effects on the flowering of tropical rices. Trop. Agr. [Peradeniya] 108:4-10. Ref. Jan./Mar.1952. 26 T751

1071 CHELÍADINOVA, A. I., and SUDAKOVA, A. V. On interrelations of Ocimum gratissimum with its microflora. (In Russian.) Agrobiologiía 4:34-42. Ref. July/Aug.1952. 20 Ag822

1072 CHEVALIER, G. La boursouflure des agrumes. Fruits et Primeurs de l'Afrique du Nord 22:339-343. Sept.1952. 80 F9482

1073 CHINTE, F. O. Pre-treatment of leguminous seeds to hasten germination. Filipino Forester 3:29-44. 1951. 99.8 F47

1074 CHOUDHURY, J. K. On the water relation of jute plants. Bot. Soc. Bengal. B. 5:19-24. Apr.1951, pub.Mar.31,1952. 451 B659

1075 CIFERRI, R. Inorganic nitrogen and plants. (In Italian.) Italia Agr. 89:560-562. Aug.1952. 16 It1
Oxidation reduction potential.

1076 CINQ-MARS, L. Effect of certain fungicides on the growth and yield of apple trees. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 1951:44-53. Ref. 1952. 82 Q3

1077 CLARTE, R. Kentekenen van kaligebrek [Signs of potash deficiency]. Amsterdam,1951. 39 p. 463.34 C56

1078 CLAUSTRES, G. Variations de type épharmonique de l'histologie foliaire des graminées en rapport avec le métabolisme hormonal. Rev. Gén. de Bot. 59:429-438. Sept.1952. 450 R326

1079 CLAVER, F. Factores que influéncian la incubación de la papa. La Plata. U. Nac. Facul. de Agron. Lab. de Bot. B. 4:2-4. Sept.1951. 451 L312

1080 CONDOR, Y. Ripening of "Zahidi" dates on their stalks. (In Hebrew.) Hassadeh 32:477-479. July 1952. 26 H27

1081 CONOVER, R. A. Studies of stylar end rot of Tahiti limes. Fla. State Hort. Soc. Proc. 63:236-240. 1950,pub.1951. 81 F66

1082 COTTIN, A. Emploi du purin artificiel dans la culture des cactées et plantes grasses. Cactus [Paris] B. 21:3-4. July 31,1952. 450 C114S

1083 CZECH, M., and NOTHDURFT, W. Untersuchungen über schädigungen landwirtschaftlicher und gärtnerischer kulturpflanzen durch chlor-, nitrose- und schwefeldioxydgase. Landwirt. Forsch. 4:1-36. 1952. 18 L2333

1084 DANOV, G. A., and MASLENNIKOV, V. M. In regard to the falling off of cotton buds in connection with sprinkler irrigation. (In Russian.) Vsesoïuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):19-23. Ref. 1952. 20 Ak1

1085 DATTA, C. Evolution of oxygen in photosynthesis—a reinterpretation of the chemical mechanism involved. Bot. Soc. Bengal. B. 5:65-73. Ref. Apr.1951, pub.Mar.31,1952. 451 B659

1086 DAVIS, E. A. Photosynthetic Chlorella mutants. Amer. J. Bot. 39:535-539. Oct.1952. 450 Am36

1087 DAY, B. E., and SCHNEIDER, H. Stimulation of roots from above overgrown bud unions. Citrus Leaves 32(11):10-11. Nov.1952. 80 C492

1088 DESVEAUX, R., and KOGANE-CHARLES, M. Étude sur la germination de quelques graines oléagineuses. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:385-416. Ref. May/June 1952. 14 F8499

1089 DOUWES, H. Colchicine treatment of young cotton seedlings as a means of inducing polyploidy. J. Genet. 51:7-25. July 1952. 442.8 J823

1090 DUHAMET, L. Action du lait de coco, d'hétéro-auxines et de mélanges de ces substances sur la croissance de quelques tissus végétaux. Soc. de Biol. Compt. Rend. 146:845-847. June 1952. 442.9 P21

1091 DUISBERG, P. C. Some relationships between xerophytism and the content of resin, nordihydroguaiaretic acid and protein of Larrea divaricata Cav. Plant Physiol. 27:769-777. Ref. Oct.1952. 450 P692

1092 EGLE, K., and SCHENK, W. Untersuchungen über die reassimilation der atmungskohlensäure bei der photosynthese der pflanzen. Beitr. z. Biol. der Pflanzen 29:75-105. Ref. 1952. 450 C66

1093 EGUCHI, T., KATO, T., and KOIDE, M. Flower bud differentiation and development of grapes. (In Japanese.) Hort. Assoc. Japan. J. 21:46-52. Ref. June 1952. 87 H78
English summary.

1094 EHRENBERG, L., GUSTAFSSON, A., and NYBOM, N. Effects of ionizing radiations in barley. Arkiv f. Bot. (n.s.)1:557-568. Ref. 1952. 451 Sv2

1095 EHRMANTRAUT, H., and RABINOWITCH, E. Kinetics of Hill reaction. Arch. Biochem. & Biophys. 38:67-84. Ref. July 1952. 381 Ar2
Photosynthesis research on Chlorella.

1096 ELLIOTT, B. B., and LEOPOLD, A. C. A relationship between photoperiodism and respiration. Plant Physiol. 27:787-793. Ref. Oct.1952. 450 P692

1097 ENGEL, H., and FRIEDERICHSEN, I. Weitere untersuchungen über periodische guttation etiolierter haferkeimlinge. Planta 40:529-549. Aug.6,1952. 450 P693

1098 ERMILOV, G. B. Rastenie i svet [The plant and light]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 127 p. (Biblioteka Kolkhoznika) 463.36 Er52

1099 EYSTER, C. Necessity of boron for Nostoc muscorum. Nature [London] 170:755. Nov.1,1952. 472 N21

1100 FACCINI, G. C. Biological climatology and seed potatoes. (In Italian.) Humus 7(2):1-4. Feb.1952. 16 H88
Italy.

1101 FAGER, E. W., and ROSENBERG, J. L. Exchange reactions and phosphoglyceric acid in photosynthesis. Arch. Biochem. & Biophys. 37:1-4. 1952. 381 Ar2

1102 FAKIN, A. Iz zivljenja rastlin [Plant life]. Celju,1951. 93 p. 463.34 F17

1103 FERRI, M. G. Foto-destruicão do fitohormônio ácido indolil-3-acético por compostos fluorescentes [Photo-inactivation of the growth substance indole-3-acetic acid by fluorescent substances]. São Paulo. U. Facul. de Fil., Ciên. e Let. Bot. 117(9),45 p. Ref. 1951. 451 Sa63

1104 FILIPCHENKO, I. M. A case of strawberry degeneration. (In Russian.) Agrobiologiîa 3:131-135. May/June 1952. 20 Ag822

1105 FINA, A. L. DE. Que es fotoperiodismo y su influencia en la distribución en los cultivos. Res 20: 26944. Apr.20,1952. 286.85 R31

1106 FISKELL, J. G. A., DELONG, W. A., and OLIVER, W. F. Uptake by plants of labelled phosphate from neutron-irradiated calcium phosphates. I-II. Sci. Agr. 32:474-483. Sept.1952. 7 Sci2

1107 FREELAND, R. O. Effect of age of leaves upon the rate of photosynthesis in some conifers. Plant Physiol. 27:685-690. Oct.1952. 450 P692

1108 FRENKEL, A. W. Hydrogen evolution by the flagellate green alga, Chlamydomonas moewusii. Arch. Biochem. & Biophys. 38:219-230. Ref. July 1952. 381 Ar2

1109 FROESCHEL, P. Neue methoden der blattinfiltration. I. Cellule 54:219-231. 1951. 442.8 C33

1110 FROILAND, S. G. The biological status of Betula andrewsii A. Nels. Evolution 6:268-282. Ref. Sept.1952. 443.8 Ev62

1111 GARDNER, F. E., REECE, P. C., and HORANIC, G. E. The effect of 2,4-D on pre-harvest drop of citrus fruit under Florida conditions. Fla. State Hort. Soc. Proc. 63:7-11. 1950,pub.1951. 81 F66

1112 GASSNER, G., and GRIMM, H. Über die wirkung von kupferkalkspritzungen auf ertrag und stärkegehalt der kartoffeln. Angew. Bot. 26:60-68. Mar.1952. 450 An4

1113 GAUSMAN, H. W., and others. Some effects of artificial drying of corn grain. Plant Physiol. 27: 794-802. Ref. Oct.1952. 450 P692
J. H. Ramser, G. H. Dungan, F. R. Earle, M. M. MacMasters, H. H. Hall, and P. D. Baird, joint authors.

1114 GAUTHERET, R. J. Recherches sur l'action de l'hydrazide maléique sur le développement des cultures de tissus de carotte et d'endive. Soc. de Biol. Compt. Rend. 146:859-861. June 1952. 442 9 P21

1115 GAUTHERET, R. J. Recherches sur la culture des tissus d'hybrides de soleil et de topinambour. Soc. de Biol. Compt. Rend. 146:861-863. June 1952. 442.9 P21

1116 GERASIMOV, M. V. Planting Eucommia cuttings. (In Russian.) Moscow. Glav. Bot. Sad. B. 10: 57-59. 1951. 451 M854
Treatment with potassium permanganate.

1117 GESLIN, H. Contribution à l'étude du complexe héliothermique. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:321-326. May/June 1952. 14 F8499
Effects on plants.

1118 GIÛBBENET, E. R. Rastenie i khlorofill [The plant and chlorophyll]. Moskva,Akademiîa Nauk SSSR, 1951. 246 p. (Itogi i Problemy Sevremennoĭ Nauki) 463.34 G44

1119 GOLA, G. La vita delle piante [Plant life]. Torino,Unione Tip.-Editrice Torinese,1951. 673 p. 463 G56V

1120 GORBUNOVA, N. P. In regard to methods for microscopic investigation of mycorhiza of tree species. (In Russian.) Mikrobiologiîa 21:561-565. Sept./Oct. 1952. 448.3 M582

1121 GORDEEVA, T. K. Intense transpiration of plants in the complex semidesert between the Volga and Ural Rivers. (In Russian.) Bot. Zhur. 37:526-531. Ref. July/Aug.1952. 451 R923

1122 GORIS, A. Influence de l'éclairement sur la teneur en fructose de diverses souches de tissus de carotte et de crown-gall de vigne cultivées in vitro. Soc. de Chim. Biol. B. 34:527-531. 1952. 383 So1

1123 GREENHAM, C. G. Phytotoxicity of histamine, arsenic acid, and dichlorophenoxyacetic acid, and methods of testing. Nature [London] 170:535-536. Sept.27,1952. 472 N21
Experiments with potato tubers.

1124 GREENWOOD, M., and DJOKOTO, R. K. Symptoms of mineral deficiency in cacao. J. Hort. Sci. 27:223-236. Ref. Oct.1952. 80 J825

1125 GREULACH, V. A. The rise of water in plants. Sci. Amer. 187(4):78-80,82. Oct.1952. 470 Sci25

1126 GRÜNWALD, W. Osmotische zustandsgrössen isoliert gezogener tabakwurzeln. Protoplasma 41:258-260. 1952. 442.8 P94

1127 GUBANOV, IA. V. Depth of penetration of spring wheat root system at varied soil moisture. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):15-19. 1952. 20 Ak1

1128 GUPALO, P. I. Emphasizing the role of plant physiology in agricultural, scientific experimental institutions. (In Russian.) Selek. i Semen. 19(7):8-10. July 1952. 61.9 Se5

1129 GYLLENBERG, H., and RAITIO, A. Studies of the decomposition of cellular lipids of molds. Physiol. Plant. 5:367-371. 1952. 450 P564

1130 HAAS, A. R. C. Sodium in Lisbon lemon trees grown in soil cultures. I. Citrus Leaves 32(10):10-11,26. Oct.1952. 80 C492

1131 HAAS, A. R. C. Sodium in Lisbon lemon trees grown in soil cultures. II. Citrus Leaves 32(11):12-13, 32. Nov.1952. 80 C492

1132 HACKETT, D. P., and THIMANN, K. V. The effect of auxin on growth and respiration of artichoke [Helianthus tuberosus] tissue. Natl. Acad. Sci. Proc. 38:770-775. Sept.1952. 500 N21P

1133 HACKETT, D. P., and THIMANN, K. V. The nature of the auxin-induced water uptake by potato tissue. Amer. J. Bot. 39:553-560. Ref. Oct.1952. 450 Am36

1134 HALL, W. C., and LANE, H. C. Compositional and physiological changes associated with the chemical defoliation of cotton. Plant Physiol. 27:754-768. Ref. Oct.1952. 450 P692

1135 HALSE, N. J. Reduction of pre-harvest drop of Washington Navel oranges by 2,4-D sprays. West. Austral. Dept. Agr. J. (ser.3)1:327-330. May/June 1952. 23 W52J

1136 HAMBROUCK, C. La printanisation des céréales. Cour. Hort. 14:449-450. Aug.1952. 80 C834

1137 HANADA, K., and KOJIMA, H. On the formation of root tubers of sweet potato and soil temperature. (In Japanese.) Kyushu Noji Shikinjo 8:47-48. Oct.1951. 107.6 K996

1138 HANSEL, H. Beobachtungen über die wirkung der kälte auf die keimwurzeln von wintergetreide (mit besonderer berücksichtigung des vernalisationsverfahrens). Bodenkultur 6:152-162. Ref. 1952. 19 B635

1139 HANSEL, H. Studie über seitliche "ausladung" und anzahl der keimwurzeln verschiedener gerstensorten mit besonderer berücksichtigung ihres verhaltens nach vernalisation. Z. f. Pflanzenzücht. 31:359-380. Ref. Aug.1952. 450 Z36

1140 HANSEN, J. R., and BUCHHOLTZ, K. P. Absorption of 2,4-D by corn and pea seeds. Agron J. 44:493-496. Sept.1952. 4 Am34P

1141 HARLEY, J. L. Associations between microorganisms and higher plants (Mycorrhiza). Annu. Rev. Microbiol. 6:367-386. Ref. 1952. 448.3 An72

1142 HAUPT, W. Untersuchungen über den determinationsvorgang der blütenbildung bei Pisum sativum Z. f. Bot. 40:1-32. Ref. 1952. 450 Z32

1143 HAWKER, L. E. The physiology of Myxomycetes. Brit. Mycol. Soc. Trans. 35:177-187. Ref. Sept. 1952. 451 B76

1144 HEALY, W. B. Note on zinc deficiency of citrus at Aitutaki, Cook Islands. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:228-229. Aug.1952. 514 N48A

1145 HELM, J. Zur ontogenese der kapuze bei kapuzengersten und der inflaten spelzen beim weizen. Flora [Jena] 139:96-147. May 1952. 450 F66

1146 HELMS, C. C., JR., and PARRIS, G. K. Transitory effects of 2,4-D on the watermelon plant when absorbed through the roots. Fla. State Hort. Soc. Proc. 63: 144-146. 1950,pub.1951. 81 F66

1147 HIGHLANDS, M. E., LICCIARDELLO, J. J., and CUNNINGHAM, C. E. Reducing sugar content of Maine-grown potatoes treated with maleic hydrazide. Amer. Potato J. 29:225-227. Sept.1952. 75.8 P842

1148 HIRSJÄRVI, V. P. Uber die wasseraufnahmefähigkeit der samen vom winterrübsen, Brassica rapa f. oleifera subf. biennis. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:55-67. 1952. 20 Su7M

1149 HOPE, A. B., and STEVENS, P. G. Electric potential differences in bean roots and their relation to salt [potassium chloride] uptake. Austral. J. Sci. Res. Ser. B: Biol. Sci. 5:335-343. Ref. Aug.1952. 442.8 Au72

1150 HUBER, B. Tree physiology. Annu. Rev. Plant Physiol. 3:333-346. Ref. 1952. 450 An78

1151 HUEBSCHMAN, C. A method for varying the average number of nuclei in the conidia of Neurospora crassa. Mycologia 44:599-604. Sept./Oct.1952. 450 M99

1152 HUMFELD, H., and SUGIHARA, T. F. The nutrient requirements of Agaricus campestris grown in submerged culture. Mycologia 44:605-620. Sept./Oct. 1952. 450 M99

1153 HYDE, E. O. C. Methods for determining the viability of various seeds by tetrazolium staining. II. Perennial ryegrass. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:195-201. Aug.1952. 514 N48A

1154 ĪAKUSHKIN, I. V., and ĖDEL'SHTEĬN, M. M. Pre-harvest external feeding of sugar beets. (In Russian.) Agrobiologiĭa 4:106-113. July/Aug.1952. 20 Ag822
Spraying with nutrient solutions.

1155 ITO, I. Uber die förderung der samenkeimung einiger Cuscuta- und verwandten arten. Saikyo U. Facul. Agr. Sci. Rpt. 2:10-16. Mar.1952. 22.5 K993

1156 IVASHCHENKO, A. I. Pyramidal cypress [Cupressus sempervirens] resistance to snow. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:60-61. 1951. 451 M854

1157 IVENS, G. W. The phytotoxicity of mineral oils and hydrocarbons. Ann. Appl. Biol. 39:418-422. Sept.1952. 442.8 An72

1158 JAGENDORF, A. T. An atypical growth of cabbage seedling roots. II. The nitrogen co-factor and relationship to auxin activity. Amer. J. Bot. 39:546-552. Ref. Oct.1952. 450 Am36

1159 JAGOE, R. B. Photoperiodism of Oryza sativa in Malaya. Malayan Agr. J. 35:85-102. Ref. Apr.1952. 22.5 F312

1160 JANKE, A., and BERAN, F. Uber die einwirkung von schwermetallsalzen auf pilze. Pflanzenschutzberichte 8:161-178. Ref. July 1952. 464.9 P48
Thiol compounds.

1161 JAWORSKI, E. G., and BUTTS, J. S. Studies in plant metabolism. II. The metabolism of C^{14}-labeled 2,4-dichlorophenoxyacetic acid in bean plants. Arch. Biochem. & Biophys. 38:207-218. Ref. July 1952. 381 Ar2

1162 JHAVERI, J. D., and JOSHI, N. V. Effects of growth factors on yields of indigenous strains of yeast. Indian J. Pharm. 14:128-130. 1952. 396.8 In23

1163 JINNO, H., and HASHIMOTO, K. The effects of seed-dressing with B.H.C. dust on the germination and the growth of the early stage of wheat. (In Japanese.) Kyushu Noji Shikenjo 8:43-44. Oct.1951. 107.6 K996

1164 JOHNSON, G., and SCHAAL, L. A. Disease fighter is found in potatoes. Colo. Farm & Home Res. [Colo. Sta.] 3(2):1-2,13-14. July/Aug.1952. 100 C712Co
Phenolic compounds, chlorogenic acid and tryosine.

1165 JONES, W. W., and STEINACKER, M. L. Carbohydrates in citrus; studies of seasonal changes in sugar and starch in leaves, twigs of Valencia orange and in leaves of Eureka lemon. Calif. Agr. [Calif. Sta.] 6(8): 9. Aug.1952. 100 C12Cag

1166 JOSHI, N. V., and JOSHI, S. G. Effect of copper sulphate on rice in the Bombay State. Sci. & Cult. 18:96-97. Aug.1952. 475 Sci24

1167 JUSCAFRESSA, B. La radiación solar y la asimilación de las plantas. Cult. Mod. 35:291-292. Aug.1952. 15 C89

1168 KAMEN, M. D. Photosynthesis: old problems in new guises. (Abs.) Science 116:524. Nov.14,1952. 470 Sci2

1169 KAMIYA, M. Varietal differences in susceptibility of wheat to the deficiency of phosphoric acid in soils. (In Japanese.) Kyushu Noji Shikenjo 8:41-42. Oct.1951. 107.6 K996

1170 KANDIAH, S. Potash deficiency in paddy. Trop. Agr. [Peradeniya] 108:48. Jan./Mar.1952. 26 T751

1171 KATSURA, K. On the influence of temperature to the germination of zoosporangia of Phytophthora capsici Leonian. Saikyo U. Facul. Agr. Sci. Rpt. 2:5-9. Mar.1952. 22.5 K993

1172 KAWAGOE, H., and KAWAZOE, Y. Influences of 2,4-D on the growth of rice plant. (In Japanese.) Kyushu Noji Shikenjo 8:27-28. Oct.1951. 107.6 K996

1173 KHOLODENKO, B. G. Seed formation in pigweed [Axyris amaranthoides] and garden orach [Atriplex hortense]. (In Russian.) Agrobiologiĭa 3:135-138. Ref. May/June 1952. 20 Ag822

1174 KIESSELBACH, T. A. Do crop varieties run out? Crops & Soils 5(2):7-9. Nov.1952. 6 W55

1175 KING, E. D., and SCHNEIDERMAN, H. A. The effects of carbon dioxide on the frequency of X-ray induced chromosome aberrations in Tradescantia. Natl. Acad. Sci. Proc. 38:809-812. Sept.1952. 500 N21P

1176 KIRBY-SMITH, J. S., and DANIELS, D. S. The relative effects of X-rays, γ rays and β rays on Tradescantia pollen. (Abs.) Genetics 37:596. Sept.1952. 442.8 G28

1177 KITAVIN, G. S. Stimulation of respiration and biosynthesis of vitamin B_2 in Aspergillus niger by action of poisonous substances. (In Russian.) Mikrobiologiĭa 21:438-444. Ref. July/Aug.1952. 448.3 M582

1178 KLOSA, J. Uber keimhemmende extrakte aus pflanzen. Naturwissenchaften 39:405. Sept.1,1952. 474 N213

1179 KNAPP, R. Reschleunigung der blütenbildung bei Tagetes erecta durch aufwachsen neben Tagetes patula. Naturwissenschaften 39:454-455. Oct.1,1952. 474 N213

1180 KOLOMIETS, I. A. Effect of mineral fertilizers upon the formation of reproductive organs of young apple trees. (In Russian.) Bot. Zhur. 37:458-476. Ref. July/Aug.1952. 451 R923

1181 KÖNEMANN, E. Die rolle der mineralversorgung beim getreide im sinne der bionomischen ernährungsharmonie. Bionomica 3:34-38. May 1952. 463.8 B52

1182 KONONKOV, P. F. Development of seeds in garlic. (In Russian.) Agrobiologiĭa 3:126-127. May/June 1952. 20 Ag822

1183 KONZAK, C. F., and SINGLETON, W. R. The relationship of polyploidy to the effects of thermal neutron exposure on plants. (Abs.) Genetics 37:596-597. Sept.1952. 442.8 G28

1184 KOSUGI, K. On the flower bud differentiation of Easter lilies. (In Japanese.) Hort. Assoc. Japan J. 21:59-62. June 1952. 87 H78
English summary.

1185 KRAMER, P. J., and WIEBE, H. H. Longitudinal gradients of P^{32} absorption in roots. Plant Physiol. 27:661-674. Ref. Oct.1952. 450 P692

1186 KRASOVSKAÏA, S. A. Wintering of Nymphaeaceae. (In Russian.) Priroda 41(6):111-113. June 1952. 410 P933

1187 KRYS'KOV, E. I. Biology of peppermint [Mentha piperita]. (In Russian.) Selek. i Semen. 19(5): 21-23. May 1952. 61.9 Se5

1188 KURSANOV, A. L., KRÍUKOVA, N. N., and VARTAPETÍAN, B. B. Movement through the plant of carbon dioxide entering through the roots. (In Russian.) Akad. Nauk SSSR. Dok. 85:913-916. Ref. Aug.1,1952. 511 P444A
Experiments with beans.

1189 LAIBACH, F. Wuchsstoff und blütenbildung. Beitr. z. Biol. der Pflanzen 29:129-141. Ref. 1952. 450 C66

1190 LAKON, G., and BULAT, H. Die feststellung der keimfähigkeit von Valerianella olitoria nach dem topographischen tetrazolium-verfahren. Saatgut-Wirt. 4:190-191. Aug.1952. 61.8 Sa1

1191 LANE, H. C., and HALL, W. C. The effect of applied sugars, light intensity, and temperature upon the chemical defoliation of cotton. Science 116:427-428. Ref. Oct.17,1952. 470 Sci2

1192 LANG, A. Physiology of flowering. Annu. Rev. Plant Physiol. 3:265-306. Ref. 1952. 450 An78

1193 LASCOMBES, G. Action des variations quotidiennes de température sur le métabolisme glucidique et le cycle de développement de la betterave cultivée à haute altitude. Acad. des Sci. Compt. Rend. 235:894-896. Oct.20,1952. 505 P21

1194 LASHUK, G. I. New data on the biology of Cistus [tauricus]. (In Russian.) Agrobiologiía 4:98-105. July/Aug.1952. 20 Ag822

1195 LIGETT, W. B., and others. A new plant growth regulator—α-cyano-β-(2,4-dichlorophenyl) acrylic acid. Science 116:393-394. Oct.10,1952. 470 Sci2
C. N. Wolf, R. E. Hay, and D. P. Uhl, joint authors.

1196 LINDQUIST, W. Cell surface constituents and yeast flocculation. Nature [London] 170:544-545. Sept. 27,1952. 472 N21

1197 LITVINOVA, E. V., and RAEVSKAÏA, O. G. Effect of culturing conditions on the development of the fat-forming fungus from the genus Fusarium. (In Russian.) Mikrobiologiía 21:572-578. Ref. Sept./Oct.1952. 448.3 M582

1198 LÍUKOVA, L. A. Effect of mineral fertilizers on composition of latex and quality of rubber in koksaghyz roots. (In Russian.) Akad. Nauk SSSR. Dok. 85: 917-919. Ref. Aug.1,1952. 511 P444A

1199 LIVENTSEVA, E. On determining the seed germination of Phacelia. (In Russian.) Pchelovodstvo 29 (3):42-44. Mar.1952. 424.8 P295

1200 LOŠÁKOVÁ, A. Researches on the imbibition degree of soybean varieties as a basis for early sowing, vernalization and time of cooking. (In Czech.) Brünn. Vysoká Šk. Zeměděl. a Lesn. Sborn. 2:55-86. Ref. Sept. 30,1951. 105.92 B833
English summary.

1201 LYSENKO, T. D. Vitality of plant and animal organisms. (In Russian.) Vsesoíúzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):3-8. 1952. 20 Ak1

1202 MCCOLL, K. J. Why not a five day test? Seed Trade Rev. 4:263-264. Sept.1952. 61.8 Se32
Seed germination.

1203 MAC KEY, J. The biological action of X-rays and fast neutrons on barley and wheat. Arkiv f. Bot. (n.s.)1:545-556. Ref. 1952. 451 Sv2

1204 MCKINLAY, K. S. Phytotoxicity of BHC to cotton. Empire Cotton Growing Rev. 29:269-272. Oct.1952. 72.8 Em7

1205 MCLEAN, J. G., and STEVENSEN, F. J. Methods of obtaining seed on Russet Burbank and similar-flowering varieties of potatoes. Amer. Potato J. 29:206-211. Sept.1952. 75.8 P842

1206 MACMILLAN, W. G., BOSE, R. G., and BHATTACHARYYA, J. P. A note on a copper tolerant Penicillium. I. Some preliminary observations. Sci. & Cult. 18:94-95. Aug.1952. 475 Sci24

1207 MCRAE, D. H., and BONNER, J. Diortho substituted phenoxyacetic acids as antiauxins. Plant Physiol. 27:834-838. Oct.1952. 450 P692

1208 MAKSIMOV, N. A. Izbrannye raboty po zasukhoustoĭchivosti i zimostoĭkosti rastenii [Selected works on drought and cold resistance of plants], v. 1. Moskva, Akademiia Nauk SSSR, 1952. 575 p. 463.32 M28I

1209 MARCUS, O. Schäden und missbildungen bei zuckerrüben durch 2,4 D. Nachrbl. des Deut. Pflanzenschutzdienstes 4:74-76. May 1952. 442.9 B832

1210 MARTIN, D., and LEWIS, T. L. The physiology of growth in apple fruits. III. Austral. J. Sci. Res. Ser. B: Biol. Sci. 5:315-327. Aug.1952. 442.8 Au72

1211 MASABAYASHI, K. Effect of low temperature on pollen germination and tube growth in broad-beans and garden peas. (In Japanese.) Hort. Assoc. Japan. J. 21:37-40. June 1952. 87 H78
English summary.

1212 MAS SOLANES, R DE. Clorosis de la viña. Vinos, Viñas y Frutas 46:509-510. June 1952. 9 Ag89

1213 MEHLER, A. H., and BROWN, A. H. Studies on reactions of illuminated chloroplasts. III. Arch. Biochem. & Biophys. 38:365-370. July 1952. 381 Ar2

1214 MENEZES, A. Breves noções de anatomia e fisiologia das fruteiras [Short notes on anatomy and physiology of fruit trees]. Vieira? Portugal, 1951. 19 p. 463 M522

1215 MENEZES, O. B. DE. Treatment of caroa (Neoglaziovia variegata Mez.) with colchicine. (In Portuguese.) Rev. de Agr. [Piracicaba] 26:185-192. Ref. May/June 1951. 9.2 R324
English summary.

1216 MIKHALEVA, E. N., and SHIPCHINSKIĬ, N. V.. Effect of temperature on the survival of cacao. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:28-30. 1951. 451 M854

1217 MIKKELSEN, D. S., GRIFFITH, R. B., and RIRIE, D. Sugar beet response to maleic hydrazide treatment. Agron. J. 44:533-536. Ref. Oct.1952. 4 Am34P

1218 MILELLA, A. Influence of some synthetic hormones on parthenocarpy in the tomato. (In Italian.) Frutticolt. Campana 1(18):1-2. Sept.20,1951. 80 F9474

1219 MILLER, E. V., and HEILMAN, A. S. Ascorbic acid and physiological breakdown in the fruits of the pineapple (Ananas comosus L. Merr.). Science 116:505-506. Nov.7,1952. 470 Sci2

1220 MILNER, M., and others. Internal fissuring of wheat due to weathering. Nature [London] 170:533. Sept.27,1952. 472 N21
J. A. Shellenberger, M. R. Lee, R. Katz, joint authors.

1221 MINAMIKAWA, K., and HAYASHI, T. Studies on the relations between the sowing period and the forms of flowering and fruit bearing of bitter pepper, Takanotsume. (In Japanese.) Kyúshu Noji Shikinjo 8:67-68. Oct.1951. 107.6 K996

1222 MININA, E. G. Biological principles of oak fruit-bearing. (In Russian.) Lesn. Khoz. 5:59-61. Jan. 1952. 99.8 L5622

1223 MOGILNER, I. Un inhibidor en frutos de paraíso. La Plata. U. Nac. Facul. de Agron. Lab. de Bot. B. 4:2. Sept.1951. 451 L312
Melia azedarach.

1224 MOH, C. C., and SMITH, L. Three coincidental changes in atom-bombed barley. J. Hered. 43:183-188. July/Aug.1952. 442.8 Am3

1225 MOLCHANOVA, V. A. Effect of DDT dust on growth of Populus cuttings. (In Russian.) Les i Step' 3 (11):79-80. Nov.1951. 99.8 L565

1226 MONTFORT, C., FELGNER, I., and MULLER, L. Differenzfilterversuche über die wirksamen strahlenbereiche bei der chlorophyllzerstörung durch sonnenlicht im gewebe von tiefen-Laminarien. Z. f. Bot. 40: 173-186. Ref. 1952. 450 Z32

1227 MONTFORT, C., FELGNER, I., and MULLER, L. Zeitphasen im jahreslauf des lichtökologischen chlorophyllspiegels beim photostabilen laubblatt. Beitr. z. Biol. der Pflanzen 29:106-128. Ref. 1952. 450 C66

1228 MOSHKOV, B. S., and KARMANOV, V. G. Importance of air temperature in growing plants under electric lighting. (In Russian.) Agrobiologiía 4:76-82. July/Aug.1952. 20 Ag822
Experiments with cucumbers and tomatoes.

1229 MOSTER, J. B., and QUACKENBUSH, F. W. The effects of temperature and light on the carotenoids of seedlings grown from three corn hybrids. Arch. Biochem. & Biophys. 38:297-303. Ref. July 1952. 381 Ar2

1230 MOTHES, K., and ENGELBRECHT, L. Uber geschlechtsverschiedenen stoffwechsel zweihäusiger einjähriger pflanzen. I. Untersuchungen über den stickstoffumsatz beim hanf (Cannabis sativa L.). Flora [Jena] 139:1-27. Ref. May 1952. 450 F66

1231 MOTHES, K., and ROMEIKE, A. Zur frage der alkaloidsynthese im spross. Flora [Jena] 139:181-184. Ref. May 1952. 450 F66

1232 MULLER, E., and BIEDERMANN, W. Der einfluss von Cu+2-ionen auf den keimungsablauf von Alternaria tenuis. Phytopath. Z. 19:343-350. Ref. July 1952. 464.8 P562

1233 MULLER-STOLL, W. R. Über regeneration und polarität bei Enteromorpha. Flora [Jena] 139:148-180. May 1952. 450 F66

1234 MULLNER, L. Schädigung der reben durch dicopur. Landwirtschaft 15/16:229. Aug.1952. 19 L235

1235 MÜLLNER, L. Wuchsstoffversuche bei der rebenveredlung und stecklingsvermehrung. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2: 146-153. July 1952. 105.9 K696
English summary.

1236 MUNDING, H. Untersuchungen zur frage der strahlenresistenz des chlorophylls in den chloroplasten. Protoplasma 41:212-234. Ref. 1952. 442.8 P94

1237 MUNDKUR, B. D. Long term adaptation to galactose by yeast. Genetics 37:484-499. Sept.1952. 442.8 G28

1238 MURRAY, D. B. A summary of cacao physiology investigations in progress at the Imperial College of Tropical Agriculture. Inter-Amer. Tech. Cacao Comt. Proc. 4:194-208. Ref. June 1952. 68.39 In8

1239 MYODO, H. Effects of X-rays upon tulip plants when irradiated in different developmental stages of floral organs. Hokkaido U. Facul. Agr. J. 48:359-382. Ref. Mar.1952. 107.6 J273J

1240 NASH, L. K. Plants and the atmosphere. Cambridge,1952. 122 p. (Harvard Case Histories in Experimental Science. Case 5) 463.3 N17

1241 NASON, A. Metabolism of micronutrient elements in higher plants. II. Effect of copper deficiency on the isocitric enzyme in tomato leaves. J. Biol. Chem. 198:643-653. Ref. Oct.1952. 381 J824

1242 NAZAROVA, M. Z. Vegetative hybridization of woody plants with herbaceous plants of Solanaceae. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:24-32. Ref. 1951. 451 M854
Tomatoes.

1243 NEARPASS, D. C., and DROSDOFF, M. Potassium, calcium, and magnesium in tung leaves as related to these ions in the soil. Soil Sci. 74:295-300. Ref. Oct.1952. 56.8 So3

1244 NECHIPORCHUK, I. D. Some conditions which contribute to the degeneration of branching wheat. (In Russian.) Agrobiologiîa 4:119-121. July/Aug.1952. 20 Ag822

1245 NEEB, O. Hydrodictyon als objekt einer vergleichenden untersuchung physiologischer grössen. Flora [Jena] 139:39-95. Ref. May 1952. 450 F66

1246 NEEDHAM, J. W., and HAUGE, S. M. Effect of sulfur fertilization on the vitamin content of alfalfa. Soil Sci. 74:365-371. Ref. Nov.1952. 56.8 So3

1247 NICHIPOROVICH, A. A. Photosynthesis of plants as a factor of productivity. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 4:3-30. Ref. July/Aug.1952. 511 Sa2B

1248 NICKELL, L. G. Stimulation of plant growth by antibiotics. Soc. Expt. Biol. & Med. Proc. 80:615-617. Aug./Sept.1952. 442.9 So1

1249 NIELSEN, E. S. On detrimental effects of high light intensities on the photosynthetic mechanism. Physiol. Plant. 5:334-345. 1952. 450 P564

1250 ODISHARIÎA, K. ÎU. Root system of palms. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:83-89. 1951. 451 M854

1251 OGIHARA, T., NISHIHARA, T., and MATSUI, M. Physiological and chemical studies on "Akiochi" paddy rice plants. II. On the nitrogen absorption. (In Japanese.) Kyushu Noji Shikinjo 8:17-18. Oct.1951. 107.6 K996

1252 OGIHARA, T., KASHIOKA, M., and TAKEFUJI, K. Studies on the nutrient deficiency symptoms in crops. I. Potassium deficiency symptoms in some upland crops. (In Japanese.) Kyushu Noji Shikenjo 8:19. Oct.1951. 107.6 K996

1253 ORDONO, A. V. Artificial production of parthenocarpic fruits. Philippine Agr. 35:115-129. Ref. Aug.1951. 25 P542
Tomatoes.

1254 ÖSTERLIND, S. Inorganic carbon sources of green algae. V-VI. Physiol. Plant. 5:372-378,403-408. 1952. 450 P564

1255 OVERBEEK, J. VAN. Agricultural application of growth regulators and their physiological basis. Annu. Rev. Plant Physiol. 3:87-108. Ref. 1952. 450 An78

1256 OVERSTREET, R., and JACOBSON, L. Mechanisms of ion absorption by roots. Annu. Rev. Plant Physiol. 3:187-206. Ref. 1952. 450 An78

1257 PAULEY, S. S. Photoperiodic growth response in Populus. (Abs.) Genetics 37:613. Sept.1952. 442.8 G28

1258 PERTTULA, U. Metsäkasvien kukinta-ajoista ja niitten aiheuttamista värinäkymistä. On the blossoming periods and the colour aspects of forest flowers. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(23),25 p. Ref. 1952. 99.9 F493
English summary.

1259 PETERSON, P. A. Effect of temperature on the mutation rate of a mutable locus in maize. (Abs.) Genetics 37:614. Sept.1952. 442.8 G28

1260 PFÜTZER, G., PFAFF, C., and ROTH, H. Die vitaminbildung der höheren pflanze in abhängigkeit von ihrer ernährung. Landwirt. Forsch. 4:105-118. Ref. 1952. 18 L2333

1261 PHILLIPS, W. M. Effects of herbicides in growing crops. Fall-planted wheat, oats, and barley. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:81-84. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

1262 PHOUPHAS, C. Action de l'hydrazide maléique sur la teneur en substances glucidiques du tissu libérien de racine de carotte cultivé in vitro. Acad. des Sci. Compt. Rend. 235:808-810. Oct.13,1952. 505 P21

1263 POHJAKALLIO, O. On the effect of light and fertilizing on the energy economy of winter wheat. Physiol. Plant. 5:409-418. 1952. 450 P564

1264 POPRAVKO, A. V. Some peculiarities in the development of perennial grasses. (In Russian.) Agrobiologiîa 4:56-62. Ref. July/Aug.1952. 20 Ag822

1265 POPTSOV, A. V. Second rest period of safflower seeds. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:58-61. 1951. 451 M854

1266 PRAVDIN, L. F., and FILIMONOVA, V. D. Effect of low temperatures on viability of acorns. (In Russian.) Akad. Nauk SSSR. Dok. 85:921-924. Aug.1, 1952. 511 P444A

1267 PRIOL, J. Experiments with alpha-naphthaleneacetic acid (NAA) spray preventing preharvest drop of fruits on apple and pear trees. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):24-45. Ref. 1952. 21.5 Y9
English summary.

1268 PROCTOR, R. C. Heliotropism. Natl. Cactus & Succulent J. 7:47-51. (Cont.) 1952. 450 N21

1269 PROKHOROV, N. K. Increasing the frost resistance of mandarin oranges. (In Russian.) Agrobiologiîa 3:44-49. May/June 1952. 20 Ag822

1270 PYNAERT, L. Réflexions au sujet des facteurs de floraison. Cour. Agr. 17(14):4. (Cont.) July 9,1952. 24 C83

1271 QUILLET, M., and LEGRAND, G. Sur le métabolisme glucidique des champignons supérieurs. III. Le fructose, glucide intermédiaire du métabolisme du mannitol chez Agaricus campester (Fr.) variètè bispora. Acad. des Sci. Compt. Rend. 235:628-629. Sept.22,1952. 505 P21

1272 RABINOWITCH, E. Photosynthesis. Annu. Rev. Plant Physiol. 3:229-264. Ref. 1952. 450 An78

1273 RAGGIO, M., and RAGGIO, N. M. DE. Wheat germination as affected by soaking the grain in zinc sulphate, boric acid and ferric alum. Phyton [Buenos Aires] 2:47-49. July 1952. 450 P567

1274 RASMUSSEN, E. J. The production of flower buds by trees and shrubs. Plants & Gard. (n.s.)8:169-173. Summer 1952. 450 P694

1275 RICHARDS, F. J., and COLEMAN, R. G. Occurrence of putrescine in potassium-deficient barley. Nature [London] 170:460. Sept.13,1952. 472 N21

1276 RIEHL, L. A., and CARMAN, G. E. Water spot of navel oranges. Calif. Citrog. 37:464,484-485. Oct.1952. 80 C125

1277 RIETH, A. Uber die vegetative vermehrung bei Sphaeroplea wilmani Fritsch et Rich. Flora [Jena] 139:28-38. May 1952. 450 F66

1278 RIETSEMA, J. The presence of indole-3-acetic acid in ovular tumors of incompatible Datura crosses and its possible role as an embryo inhibitor. (Abs.) Genetics 37:618. Sept.1952. 442.8 G28

1279 RILEY, H. P., GILES, N. H., JR., and BEATTY, A. V. The effect of oxygen on the induction of chromatid aberrations in Tradescantia microspores by X-irradiation. Amer. J. Bot. 39:592-597. Ref. Oct.1952. 450 Am36

1280 RILEY, H. P. Preliminary report on the effect of certain chemicals on radiation damage to chromosomes. (Abs.) Genetics 37:618-619. Sept.1952. 442.8 G28
In onion roots.

1281 ROBERTS; D. W. A. Physiological and biochemical studies in plant metabolism. VI. The effect of ontogeny on the physiological heterogeneity in the first leaf of wheat. Canad. J. Bot. 30:558-570. Sept.1952. 470 C16C

1282 ROBERTSON-CUNINGHAME, R. C., and BLACKMAN, G. E. Effects of preliminary treatment on the subsequent variation in the resistance of Lemna minor to the phytotoxic action of 2:4 dichlorophenoxyacetic acid. Nature [London] 170:459. Sept.13,1952. 472 N21

1283 ROCHE, J., and YAGI, Y. Sur la fixation de l'iode radioactif par les algues et sur les constituants iodés des Laminaires. Soc. de Biol. Compt. Rend. 146: 642-645. May 1952. 442.8 P21

1284 ROULET, M. A. Die bedeutung des kupfers in der pflanzenphysiologie. (Sum.) Bern. Natforsch. Gesell. Mitt. (n.s.)9:XXXI. 1952. 508 B45

1285 ROUX, E. R. The germination of seeds. Trees So. Africa 4:22-23. Apr./June 1952. 99.8 T716

1286 RUBIN, S. S., and others. Effect of herbaceous vegetation and its root excretions on growth of trees. (In Russian.) Lesn. Khoz. 5:48-51. Jan.1952. 99.8 L5622
N. E. Popova, A. F. Danilevskiĭ, and N. K. Korzunetskaîa, joint authors.
Experiments with oak and apple trees.

1287 SANKEWITSCH, E. Untersuchung von röntgenomorphosen bei Nicotiana rustica L. Beitr. z. Biol. der Pflanzen 29:1-74. Ref. 1952. 450 C66

1288 SANTOS, N. F. DOS, and SANTOS, A. C. DOS. Mycorrhiza in orchids. (In Portuguese.) Portugal. Dir. Geral dos Serv. Florestais e Aquicolas. P. 18:85-96. 1951. 99.9 P834
English summary.

1289 SANTOS, N. F. DOS. Mycorhiza of Quercus suber L. (In Portuguese.) Portugal. Dir. Geral dos Serv. Florestais e Aquicolas. P. 18:5-13. 1951. 99.9 P834
English summary.

1290 SARAZIN, A. The cultivated mushroom. 5. Germination of spores and development of mycelium. MGA Bulletin 33:281-285. Sept.1952. 80 M97

1291 SATO, S. A climatological investigation on "Akiochi phenomenon" of rice plant. (In Japanese.) Kyushu Noji Shikinjo 8:31-32. Oct.1951. 107.6 K996

1292 SAUTICH, Z. M. Effect of low soil moisture during the planting period on growth and development of tobacco. (In Russian.) Tabak 13:44-46. Jan./Feb.1952. 69.8 T112

1293 SAWADA, E. Ueber die wahre natur der erd- und luftknollen von Dioscorea batatas Decne. Hokkaido U. Facul. Agr. J. 47:267-314. Mar.1952. 107.6 J273J

1294 SAYRE, J. D. Accumulation of radioisotopes in corn leaves. Ohio. Agr. Expt. Sta. Res. B. 723,30 p. Aug.1952. 100 Oh3S

1295 SCHNEIDER, H., and WITT, R. L. Sieve tube necrosis in lemon strains. Calif. Citrog. 37:478-481. Oct.1952. 80 C125

1296 SCHOPFER, W. H., and LOUIS, R. Essais de greffe de points végétatifs de Pisum sur des méristèmes radiculaires cultivés in vitro. Experientia 8:388-389. Oct.15,1952. 475 Ex7
English summary.

1297 SCOTT, L. E., and OGLE, W. L. The mineral uptake by the sweet potato. Better Crops Plant Food 36(8):12-16,50. Oct.1952. 6 B46

1298 SCRAGG, E. B. The effects of 'hormone' herbicides upon cereal crops. Ann. Appl. Biol. 39:423-428. Sept.1952. 442.8 An72

1299 SERGEEVA, K. A. Preparation and development of olive blossom buds. (In Russian.) Agrobiologiîa 4:145-147. July/Aug.1952. 20 Ag822

1300 SERGEEVA, K. D. On the viability of seeds and hybrid plants of gooseberry and currant. (In Russian.) Agrobiologiîa 4:123-125. July/Aug.1952. 20 Ag822

1301 SHAW, B. T. Effect of light on plant and animal life. Indian Farm Mech. 2(3):11-13. Dec.1951. 58.8 In2

1302 SHEAR, C. B. Zinc deficiency may invite cold injury. Tung World 7(4):11-13. Sept.1952. 77.8 T83

1303 SHMATOK, I. D. Culture of vitamin plants under polar conditions. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:117-120. 1951. 451 M854
Gladiolus and onions.

1304 SHTERENBERG, P. M. Endophytic root fungi and nutrition of herbaceous plants. (In Russian.) Agrobiologiîa 4:26-33. July/Aug.1952. 20 Ag822

1305 SIEBENEICK, H. Von der schadwirkung vorübergehender trockenheit bei kartoffeln. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1249. Aug.14,1952. 18 L2346

1306 SIMON, E. W. The relative toxicity of nitrophenols to various organisms. Ann. Appl. Biol. 39: 416-418. Sept.1952. 442.8 An72

1307 SIMONOV, I. N., and MIRONOV, E. V. New method of studying the peculiarities of phosphorus nutrition in grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):33-35. Nov.1951. 95.8 V77
Radioactive phosphorus.

1308 SIVADJIAN, J. Recherches critiques sur les théories du géotropisme. Soc. d'Hist. Nat. de Toulouse. B. 86:67-68. May 30,1951. 505 T64

1309 SMITH, D. The survival of winter-hardened legumes encased in ice. Agron. J. 44:469-473. Sept. 1952. 4 Am34P

1310 SMITH, M. S., WAIN, R. L., and WIGHTMAN, F. Studies on plant growth-regulating substances. V. Steric factors in relation to mode of action of certain aryloxyalkyl-carboxylic acids. Ann. Appl. Biol. 39: 295-307. Ref. Sept.1952. 442.8 An72

1311 SMITH, P. F., SCUDDER, G. K., JR. Some studies of mineral deficiency symptoms in mango. Fla. State Hort. Soc. Proc. 64:243-248. 1951,pub.1952. 81 F66

1312 SMYKOV, V. K. Study of cold resistance of quince under conditions of Michurinsk. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):15-18. Ref. 1952. 20 Ak1

1313 SOCHAVA, V. B., and BOKUCHAVA, M. A. Some data on the growth of tea and quality of tea leaf under the forest canopy. (In Russian.) Akad. Nauk SSSR. Dok. 85:1169-1171. Aug.11,1952. 511 P444A

1314 SOKOLOVA, V. E. Adaptation to temperature and carbohydrate exchange in sugar beets. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:67-83. Ref. 1951. 463.29 Ak1

1315 SPOLĪTIS, A. Development of the flowering buds of the Latvian yellow egg plums. (In Latvian.) Latv. PSR Zinātņu Akad. Vest. 5:783-788. Ref. 1951. 511 R442
Russian summary.

1316 SPURR, A. R. Fluorescence in ultraviolet light in the study of boron deficiency in celery. Science 116:421-423. Ref. Oct.17,1952. 470 Sci2

1317 STANIFORTH, D. W. Effect of 2,4-dichlorophenoxyacetic acid on meristematic tissues of corn. Plant Physiol. 27:803-811. Ref. Oct.1952. 450 P692

1318 STEEVES, T. A., and SUSSEX, I. M. In vitro cultures of a fern callus. Nature [London] 170:672-673. Oct.18,1952. 472 N21
Pteridium aquilinum latiusculum.

1319 STEINBERG, R. A. Premature blossoming: effects of vernalization, seedling age and environment on subsequent growth and flowering of transplanted tobacco. Plant Physiol. 27:745-753. Oct.1952. 450 P692

1320 STEWART, I., and LEONARD, C. D. Molybdenum deficiency in citrus. Fla. State Hort. Soc. Proc. 64:51-53. 1951,pub.1952. 81 F66

1321 STEWART, I., and LEONARD, C. D. Molybdenum deficiency in Florida citrus. Nature [London] 170: 714-715. Oct.25,1952. 472 N21

1322 STOJANOVIĆ, R., and POPOVIĆ, Ž. L'influence du calcium cyanamide sur la germination du trèfle rouge et le developpement du cirse. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6):176-179. 1951. 21.5 Y9
French summary.

1323 STONER, W. N. Graywall of tomatoes. Fla. State Hort. Soc. Proc. 63:129-136. Ref. 1950,pub.1951. 81 F66

1324 STREL'NIKOV, I. G. Effect of [grape] suckers on the formation of inflorescences in the wintering buds. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):36-38. Nov.1951. 95.8 V77

1325 SUSSMAN, M., and NOEL, E. An analysis of the aggregation stage in the development of the slime molds, Dictyosteliaceae. I. Biol. B. 103:259-268. Oct. 1952. 442.8 B52

1326 SYNDIKUS, W. Düngermangelkrankheiten im obstbau. Unser Wegweiser im Obstbau-Gart.-Kleintierhof 7:57. Mar.1952. 18 Un7

1327 SYRACUSE UNIVERSITY. DEPT. OF PLANT SCIENCES. Physiology of the wood-rotting fungi. Final report, January 1948-June 1952, for the Office of Naval Research, Microbiology Branch. Syracuse,1952. 151 p. 462.8 Sy8

1328 SZKOLNIK, M. Root-dip treatment improves plant development. Farm Res. [N. Y. State Sta.] 18(3):10. July 1952. 100 N48A

1329 TALUKDAR, S. Photoperiodic behaviour of Hibiscus sabdariffa, L.N.P.5. Nature [London] 170: 458-459. Sept.13,1952. 472 N21

1330 TANAKA, N., and SATO, S. Effects of streptomycin on the mitotic cells of Tradescantia paludosa. Cytologia 17:124-133. Ref. Aug.1952. 442.8 C99

1331 TEDIN, O., and HAGBERG, A. Studies on X-ray induced mutations in Lupinus luteus L. Hereditas 38:266-296. Ref. 1952. 442.8 H42

1332 TICQUET, C. E. Successful gardening without soil. London,Pearson,1952. 175 p. 90.15 T43

1333 TIKHENKO, A. V. Change in germination of red clover seeds in relation to their storage period. (In Russian.) Sovet. Agron. 10(8):81-83. Aug.1952. 20 So84

1334 TIZIO, R. Acción de las altas temperaturas como factor de "degeneración" de la papa. La Plata. U. Nac. Facul. de Agron. Lab. de Bot. B. 4:1-2. Sept. 1951. 451 L312

1335 TIZIO, R. Estudio preliminar del desarrollo fásico en nabo, con relación a los factores que afectan la formación radicular carnosa. La Plata. U. Nac. Facul. de Agron. Lab. de Bot. B. 4:4. Sept.1951. 451 L312

1336 TSVETKOV, M. I. Development of cold resistance in spring [grain] crops. (In Russian.) Agrobiologiia 4:52-55. July/Aug.1952. 20 Ag822
Yarovization.

1337 TUCKER, T. C., and SMITH, F. W. The influence of applied boron, magnesium, and potassium on the growth and chemical composition of red clover grown under greenhouse conditions. Soil Sci. Soc. Amer. Proc. 16:252-255. Ref. July 1952. 56.9 So3

1338 TUREL, F. Der einfluss von aneurin und zink auf das wachstum und die toxinproduktion von Fusarium solani (Mart.) App. et Wr. Phytopath. Z. 19:307-342. Ref. July 1952. 464.8 P562

1339 ULRICH, A. Physiological bases for assessing the nutritional requirements of plants. Ann. Rev. Plant Physiol. 3:207-228. Ref. 1952. 450 An78

1340 USTINOVA, E. I. Biology of the blooming of broad-leaved tree species. (In Russian.) Lesn. Khoz. 5:57-58. Jan.1952. 99.8 L5622

1341 UTTAMAN, P. A short note on the bud sprouts of tapioca setts. Madras Agr. J. 39:468-470. Sept.1952. 22 M262

1342 VAN NORMAN, R. W., and BROWN, A. H. The relative rates of photosynthetic assimilation of isotopic forms of carbon dioxide. Plant Physiol. 27: 691-709. Ref. Oct.1952. 450 P692

1343 VARSHNEY, I. P., and FAROOQ, M. O. Etude de l'influence de la nouvelle saponine d'Albizzia lebbek Benth. sur la germination et la croissance des grains. Action des diverses concentrations et des saisons sur les grains de blé. Soc. de Biol. Compt. Rend. 146:902-904. June 1952. 442.9 P21

1344 VIEITEZ, E. El uso del cloruro 2, 3, 5-trifeniltetrazolium para determinar la vitalidad del polen. An. de Edafología y Fisiol. Veg. 11:297-308. Ref. May/June 1952. 506 Sp12
English summary.

1345 VILLENEUVE, G. O. L'intensité lumineuse, facteur de croissance. Forêt et Conserv. 18(5):41. May/June 1952. 99.8 F792

1346 VLASIUK, P. A. Utilization of brown coal and its waste as sorbents for improving the physiology of plant nutrition. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniia Mestnykh Istochnikov Udobr. USSR. Trudy 1951:59-75. 57.09 N22
Experiments with field crops.

1347 VOIGT, G. K. The effect of different tissue pretreatments on the physico-chemical properties of expressed plant sap. Plant Physiol. 27:818-821. Ref. Oct.1952. 450 P692

1348 VOSKRESENSKAIA, N. P. Effect of spectral composition of light on the correlation of substances formed during photosynthesis. (In Russian.) Akad. Nauk SSSR. Dok. 86:429-432. Ref. Sept.11,1952. 511 P444A
Experiments with corn and sunflower leaves.

1349 VUKASOVIC, P. De l'action du DDT et du HCC sur la germination et la croissance des jeunes plantes. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6):76-86. 1951. 21.5 Y9
French summary.

1350 WAGGONER, P. E., and SHAW, R. H. Temperature of potato and tomato leaves. Plant Physiol. 27:710-724. Ref. Oct.1952. 450 P692

1351 WALTER, H. Kritisches zur darstellung der osmotischen zustandsgrössen in den verschiedenen lehrbüchern der botanik. Planta 40:550-554. Aug.6,1952. 450 P693

1352 WALTERS, M. M. The effect of seasons and years on the nutrient content of spineless cactus-leaves (Fusicaulis) picked for feeding purposes. Union So. Africa. Dept. Agr. Sci. B. 330,34 p. 1951. 24 So84S

1353 WARBURG, O. Uber den einfluss der wellenlänge auf die chinonreduktion in grünen grana. Z. f. Natforsch. 7b:443-446. Aug.1952. 474 Z3
In plants.

1354 WAWRIK, F. Beziehungen zwischen kieselsäurehaushalt und diatomeenblüte in der Seebachlacke bei Kienberg-Gaming, N.-O. Osterr. Bot. Z. 99:286-294. Ref. 1952. 450 Os7

1355 WEINTRAUB, R. L., and others. Metabolism of 2,4-dichlorophenoxyacetic acid. II. Metabolism of the side chain by bean plants. Arch. Biochem. & Biophys. 40:277-285. Oct.1952. 381 Ar2
J. N. Yeatman, J. A. Lockhart, J. H. Reinhart and M. Fields, joint authors.

1356 WENCK, U. Die wirkung von wuchs- und hemmstoffen auf die blattform. Z. f. Bot. 40:33-51. Ref. 1952. 450 Z32

1357 WENT, F. W. Gene action in connection with growth and development. (Abs.) Science 116:530. Nov. 14,1952. 470 Sci2
In connection with plants.

1358 WESTGATE, P. J. Preliminary results and observations on blackheart of celery. Fla. State Hort. Soc. Proc. 64:87-92. 1951,pub.1952. 81 F66

1359 WILDE, S. A., and VOIGT, G. K. The determination of color of plant tissues by the use of standard charts. Agron. J. 44:499-500. Sept.1952. 4 Am34P

1360 WINTER, A. G. Untersuchungen über die aufnahme von penicillin und streptomycin durch die wurzeln von Lepidium sativum L. und ihre beständigkeit in natürlichen böden. Z. f. Bot.40:153-172. Ref. 1952. 450 Z32

1361 WINTER, A. G., and SIEVERS, E. Untersuchungen über die beeinflussung der samenkeimung durch kaltwasserextrakte aus der blattstreu verschiedener gramineen. Naturwissenschaften 39:191-192. 1952. 474 N213

1362 WOODS, P. S., and DUNCAN, R. E. Cytological effects of benzimidazole and 5-aminouracil. (Abs.) Genetics 37:636-637. Sept.1952. 442.8 G28
On onion roots.

1363 YARDENI, D., and EVENARI, M. The germination inhibiting, growth inhibiting and phytocidal effect of certain leaves and leaf extracts. Phyton [Buenos Aires] 2:11-16. July 1952. 450 P567
Includes Myrtus communis and Eucalyptus rostrata.

1364 YOST, H. T., JR. The effect of intensity of infrared on X-ray induced chromosome aberrations in Tradescantia. Genetics 37:457-468. Ref. Sept.1952. 442.8 G28

1365 ZAĬKOVSKAIA, N. E. Somatic fertilization in sugar beets. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 4:68-78. Ref. July/Aug.1952. 511 Sa2B

1366 ZLATARIĆ, B. Photoperiodism and growth of the white mullberry [Morus alba], black locust [Robinia pseudoacacia] and two proveniences of the Austrian pine [Pinus nigra]. (In Serbo-Croatian.) Šumarski List 76: 229-239. July 1952. 99.8 Su6
English summary.

1367 ZOSIMOVICH, V. P. Relation of yield and sugar content of biological types of sugar beet varieties to the dynamics of their leaf system. (In Russian.) Selek. i Semen. 19(9):21-27. Sept.1952. 61.9 Se5

BIOCHEMISTRY

1368 ACKER, L., DIEMAIR, W., and JÄGER, R. Über ein phosphatidspaltendes ferment in pflanzen. Biochem. Z. 322:471-485. Ref. 1952. 384 B522

1369 ANCHEL, M., HERVEY, A., and ROBBINS, W. J. Production of illudin M and of a fourth crystalline compound by Clitocybe illudens. Natl. Acad. Sci. Proc. 38:927-928. Nov.1952. 500 N21P

1370 ANDERSON, D. G., and others. The distribution in higher plants of triphosphopyridine nucleotide-linked enzyme systems capable of reducing glutathione. Plant Physiol. 27:675-684. Ref. Oct.1952. 450 P692
H. A. Stafford, E. E. Conn, and B. Vennesland, joint authors.

1371 ANDRÉ, E., and MAILLE, M. Contribution à l'étude des substances insaponifiables des huiles de graines de Crucifères. Acad. des Sci. Compt. Rend. 235:665-667. Sept.29,1952. 505 P21

1372 ANDRE, E., and CARBOUÈRES, M. Contribution à l'étude des substances sulfurées volatiles de quelques graines de Crucifères (choux fourragers). Acad. des Sci. Compt. Rend. 235:816-818. Oct.13,1952. 505 P21

1373 ASSELBERGS, E. A. M., and FRANCIS, F. J. Studies on the formation of vitamin C in slices of potato tissue. Canad. J. Bot. 30:665-673. Ref. Nov.1952. 470 C16C

1374 BELL, D. J. The "cross and bevan" cellulose of Posidonia australis. Chem. Soc. J., Sept.1952. 3649-3650. 382 L84J

1375 BELL, J. M., BOWMAN, G. H., and COUPLAND, R. T. Chemical composition and digestibility of forage crops grown in central Saskatchewan, with observations on Kochia species. Sci. Agr. 32:463-473. Sept. 1952. 7 Sci2

1376 BERTRAND, G., and BERTRAND, D. Recherches sur la teneur des graines en rubidium. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:165-170. Ref. Mar./Apr.1952. 14 F8499
English summary.

1377 BISWAS, T. D., and DAS, N. B. Chromatographic separation of carotene in materials containing lycopene. Sci. & Cult. 18:91-92. Aug.1952. 475 Sci24
In tomato.

1378 BLAISDELL, J. P., WIESE, A. C., and HODGSON, C. W. Variations in chemical composition of bluebunch wheatgrass [Agropyron spicatum], arrowleaf balsamroot [Balsamorhiza sagittata], and associated range plants. J. Range Mangt. 5:346-353. Ref. Sept. 1952. 60.18 J82

1379 BLOM, J., SCHMITH, T., and SCHWARZ, B. Abbau von kartoffelstärke durch α-amylasen aus malz und aus Bacillus subtilis. Differenzierung der abbauprodukte. Acta Chem. Scand. 6:591-598. Ref. 1952. 385 Ac82

1380 BLOM, J., and SCHWARZ, B. Uber die gleichartigkeit von kartoffelstärken verschiedener herkunft. Acta Chem. Scand. 6:599-601. 1952. 385 Ac82

1381 BOSE, S. Rauwolfinine, the new alkaloid of the root of Rauwolfia serpentina, Benth. Sci. & Cult. 18:98. Aug.1952. 475 Sci24

1382 BUDNITSKAIA, E. V. Present-day ideas on biosynthesis and physiological role of carotenoids. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 4:79-88. Ref. July/Aug.1952. 511 Sa2B
In plants chiefly.

1383 BURGER, W. C., and STAHMANN, M. A. The agglutination and growth inhibition of bacteria by lysine polypeptides. Arch. Biochem. & Biophys. 39:27-36. Ref. July 1952. 381 Ar2

1384 BURTON, M. O., and LOCHHEAD, A. G. Production of vitamin B_{12} by Rhizobium species. Canad. J. Bot. 30:521-524. Sept.1952. 470 C16C

1385 CLENDENNING, K. A., and GORHAM, P. R. Intracellular distribution of assimilated C^{14} in briefly exposed aquatic plants. Arch. Biochem. & Biophys. 37: 56-71. Ref. 1952. 381 Ar2

1386 COLEMAN, R. J., CEFOLA, M., and NORD, F. F. On the mechanism of enzyme action. LII. The usefulness of 1-C^{14} acetate for the study of carbohydrate → fat synthesis in Fusarium lini Bolley. Arch. Biochem. & Biophys. 40:102-110. Ref. Sept.1952. 381 Ar2

1387 DEUFEL, J. Der alkaloidgehalt von auf tetraploidem roggen gewachsenen mutterkornsklerotien. Naturwissenschaften 39:432-433. Sept.15,1952. 474 N213
Claviceps purpurea.

1388 DE WITT, K. W. The enzymes of cacao tissue. Inter-Amer. Tech. Cacao Comt. Proc. 4:209-224. Ref. June 1952. 68.39 In8

1389 DOMAN, N. G., and others. In regard to the diversity of the primary products of photosynthesis in various species of plants. (In Russian.) Akad. Nauk SSSR. Dok. 86:369-372. Ref. Sept.11,1952. 511 P444A
A. M. Kuzin, ÍA. V. Mamul', and R. I. Khudíakova, joint authors.

1390 EDWARDS, J. W., and JOSLYN, M. A. Inhibition and activation of orange pectinesterase. Arch. Biochem. & Biophys. 39:51-55. Ref. July 1952. 381 Ar2

1391 EL RIDI, M. S., STRAIT, L. A., and ABOUL WAFA, M. H. Isolation of rutin from the pollen grain of the date palm (Dactylifera palma L.). Arch. Biochem. & Biophys. 39:317-321. Aug.1952. 381 Ar2

1392 ERICSON, L. E., and SJOSTRÖM, A. G. M. Aminosäuren in meeresalgen. Acta Chem. Scand. 6:805-807. Ref. 1952. 385 Ac82

1393 EULER, H. VON, and GLASER, A. Enzymchemische studien an blättern von espen und an keimblättern von gerste. I. Arkiv f. Kemi 3:447-459. 1952. 385 Ar4

1394 FAGER, E. W. Photochemical carbon dioxide fixation by cell-free leaf macerates. Arch. Biochem. & Biophys. 37:5-14. Ref. 1952. 381 Ar2

1395 FLAIG, W., and OTTO, H. Zur kenntnis der huminsäuren. III. Untersuchungen über die einwirkung einiger chinone als modellsubstanzen der auf- und abbauprodukte von huminsäuren sowie einiger redoxsubstanzen auf das wachstum von pflanzenwurzeln. Landwirt. Forsch. 3:66-89. Ref. 1951. 18 L2333

1396 FOWDEN, L. The effect of age on the bulk protein composition of Chlorella vulgaris. Biochem. J. 52:310-314. Ref. Oct.1952. 382 B52

1397 FRASER, R. D. B., and PRICE, W. C. Infra-red dichroism and protein structure. Nature [London] 170:490-491. Ref. Sept.20,1952. 472 N21
In viruses.

1398 FRASER, R. D. B. Infra-red dichroism of tobacco mosaic virus nucleoprotein. Nature [London] 170:491. Sept.20,1952. 472 N21

1399 GAITONDE, M. K., and SOHONIE, K. On the occurrence of a trypsin inhibitor in field bean (Dolichos lablab) & a few other common Indian pulses. J. Sci. & Indus. Res. 11B:339-341. Ref. Aug.1952. 475 J82

1400 GIRI, K. V., and others. Proline and hydroxyproline in leaves. Nature [London] 170:579-580. Oct.4, 1952. 472 N21
K. S. Gopalkrishnan, A. N. Radhakrishnan, and C. S. Vaidyanathan, joint authors.

1401 GORHAM, P. R., and CLENDENNING, K. A. Anionic stimulation of the Hill reaction in isolated chloroplasts. Arch. Biochem. & Biophys. 37:199-223. Ref. 1952. 381 Ar2

1402 GRIMM, M R. Iodine content of some marine algae. Pacific Sci. 6:318-323. Oct.1952. 475 P11

1403 GRIPENBERG, J. Fungus pigments. II-III. Acta Chem. Scand. 6:580-590. Ref. 1952. 385 Ac82

1404 HAGEN, C. E., JONES, V. V., and HENDRICKS, S. B. Ion sorption by isolated chloroplasts. Arch. Biochem. & Biophys. 40:295-305. Ref. Oct.1952. 381 Ar2

1405 HAMET, R. Sur l'alcaloïde principal d'une Rubiacée des régions tropicales de l'Amérique du Sud: l'Ourouparia guianensis Aublet. Acad. des Sci. Compt. Rend. 235:547-550. Sept.8,1952. 505 P21

1406 HASSE, K., and SPECHT, M. Gestörte dehydrase-systeme in extrakten grüner blätter. Biochem. Z. 322:502-506. Ref. 1952. 384 B522

1407 HATTORI, S., and MATSUDA, H. Rhoifolin, a new flavone glycoside, isolated from the leaves of Rhus succedanea. Arch. Biochem. & Biophys. 37:85-89. 1952. 381 Ar2

1408 HEAGY, F. C., and ROPER, J. A. Deoxyribonucleic acid content of haploid and diploid Aspergillus conidia. Nature [London] 170:713-714. Ref. Oct.25,1952. 472 N21

1409 HERISSET, A. Influence de la lumière sur la fixation biologique de l'azote par le Nostoc commune. Soc. de Chim. Biol. B. 34:532-537. Ref. 1952. 383 So1

1410 HESTRIN, S., and LINDEGREN, C. C. Carbohydrases in Saccharomyces haploid stocks of defined genotype. II. Arch. Biochem. & Biophys. 38: 317-334. Ref. July 1952. 381 Ar2

1411 HOLZER, H., and HOLZER, E. Enzyme des kohlenhydratstoffwechsels in Chlorella. Chem. Ber. 85: 655-663. 1952. 384 B45

1412 HOUGH, L., JONES, J. K. N., and WADMAN, W. H. An investigation of the polysaccharide components of certain fresh-water algae. Chem. Soc. J., Sept.1952: 3393-3399. 382 L84J

1413 HULME, A. C., and ARTHINGTON, W. New amino-acids in young apple fruits. Nature [London] 170:659-660. Oct.18,1952. 472 N21

1414 IVANOVA, T. M. On oxidizing enzymes of sprouting potato tubers. (In Russian.) Akad. Nauk SSSR. Dok. 86:373-376. Ref. Sept.11,1952. 511 P444A

1415 IWASAKI, Y., TANAKA, Y., and SASAKI, Y. Biochemical studies on sweet potato. II-III. (In Japanese.) Hort. Assoc. Japan. J. 21:55-58. June 1952. 87 H78
II, by Y. Iwasaki and Y. Tanaka; III, by Y. Iwasaki and Y. Sasaki.

1416 KALYANKAR, G. D., KRISHNASWAMY, P. R., and SREENIVASAYA, M. Papyrographic characterisation and estimation of organic acids in plants. Cur. Sci. 21:220-222. Aug.1952. 475 Sci23

1417 KAMEOKA, K., and MORIMOTO, H. Studies on the nitrate in radish and turnip. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:171-174. July 1952. 49.9 C434
English summary and tables.

1418 KANAMORI, M. Studies on form of iron and iron-containing material in living tissue. I-III. (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:64-90. Ref. Mar.1952. 22.5 K993
English summary.
I, On the determination of iron and the distribution of iron in vegetable kingdom; II, On the form of iron in leaf and increase and decrease of iron in the Oryza sativa L. on various kinds of period of growing; III, On the iron of chloroplast.

1419 KLING, E. G. Gladiolus—a saponin bearing plant. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:23-28. 1951. 451 M854
Glucosides.

1420 KOLESNIKOV, P. A. On quinones and localization of phenoloxidases in kok-saghyz. (In Russian.) Akad. Nauk SSSR. Dok. 85:847-850. Aug.1,1952. 511 P444A

1421 KORITZ, H. G., and SKOOG, F. Colorimetric determination of adenine in plant tissues. Arch. Biochem. & Biophys. 38:15-21. July 1952. 381 Ar2

1422 KOTEL'NIKOVA, A. V. Some data on hexokinase activity in potato tubers. (In Russian.) Biokhimiia 17:462-468. July/Aug.1952. 385 B523

1423 KRISHNAN, P. S. Apyrase, pyrophosphatase and metaphosphatase of Penicillium chrysogenum. Arch. Biochem. & Biophys. 37:224-234. Ref. 1952. 381 Ar2

1424 KURSANOV, A. L., and VYSKREBENTSEVA, E. I. Change in cotton fiber composition in connection with cellulose synthesis. (In Russian.) Biokhimiia 17: 480-487. Ref. July/Aug.1952. 385 B523

1425 KURSANOV, A. L., and PAVLINOVA, O. A. In regard to the place of saccharose synthesis in the [sugar] beet plant. (In Russian.) Biokhimiia 17:446-455. Ref. July/Aug.1952. 385 B523

1426 KURSANOV, A. L. Sintez i prevrashcheniia dubil'nykh veshchestv v chainom rastenii [Synthesis and conversion of tannins in the tea plant]. Moskva, Akademiia Nauk SSSR, 1952. 50 p. (Akademiia Nauk. Institut Biokhimii. Bakhovskie Chteniia. 7) 451 Ak16

1427 LEMBERG, R. Nitrogenous pigments from the fungus Coriolus sanguineus (Polystictus cinnabarinus). Austral. J. Expt. Biol. & Med. Sci. 30:271-278. June 1952. 442.8 Au7

1428 LETOURNEAU, D., and KROG, N. The use of chromotropic acid for the quantitative determination of 2,4-dichlorophenoxyacetic acid. Plant Physiol. 27:822-827. Ref. Oct.1952. 450 P692

1429 LISITSYN, D. I. Labile glucosides during decomposition processes in leaves. (In Russian.) Biokhimiia 17:443-445. Ref. July/Aug.1952. 385 B523
Experiments with Syringa vulgaris and Fraxinus excelsior.

1430 LOUIS, R. Recherches sur la biogenèse de l'acide pantothénique chez Pisum sativum. Experientia 8:388. Oct.15,1952. 475 Ex7
English summary.

1431 LUNDEGÅRDH, H. The cytochrome-cytochrome oxidase system of living roots of wheat and corn. Arkiv f. Kemi 3:469-494. Ref. 1952. 385 Ar4

1432 MARX, T. Über die l-ascorbinsäure-konzentration in tomaten. Landwirt. Forsch. 3:205-208. 1952. 18 L2333

1433 MASELLI, J. A., NORD, F. F., and COLEMAN, R. J. On the mechanism of enzyme action. XLVIII-XLIX. Arch. Biochem. & Biophys. 38:377-396. Ref. July 1952. 381 Ar2
XLVIII, Investigation of the fat of Fusarium lini Bolley by means of urea adducts, by J. A. Maselli and F. F. Nord; XLIX, The effect of acetate on fat formation in Fusarium lini Bolley and the influence of added naphthoquinones, by R. J. Coleman and F. F. Nord.

1434 MASELLI, J. A., and NORD, F. F. On the mechanism of enzyme action. L. The influence of naphthoquinone on the mechanism of fat formation in Fusarium lycopersici. Arch. Biochem. & Biophys. 39:219-228. Ref. July 1952. 381 Ar2

1435 MASELLI, J. A., and NORD, F. F. On the mechanism of enzyme action. LI. Effects of naphthoquinones on carbohydrate—fat conversion in Fusarium lini Bolley. Arch. Biochem. & Biophys. 39:406-418. Ref. Aug.1952. 381 Ar2

1436 METZNER, H. Die reduktion wässriger silbernitratlösungen durch chloroplasten und andere zellbestandteile. Protoplasma 41:129-167. Ref. 1952. 442.8 P94
In plants.

1437 MEYER, H., and BONDI, A. Lignin in young plants. Biochem. J. 52:95-99. Ref. Sept.1952. 382 B5[illegible]

1438 MOSTER, J. B., QUACKENBUSH, F. W., and PORTER, J. W. The carotenoids of corn seedlings. Arch. Biochem. & Biophys. 38:287-296. Ref. July 1952. 381 Ar2

1439 MURRI, I. K. Vitamin dynamics in edible bean species. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. Plodov i Ovoshchei. Sborn. 2:167-187. Ref. 1951. 463.29 Ak1

1440 NAIR, G. V., POTI, A. N., and PILLAY, P. P. The constituents of lacquer-bearing trees of Travancore Cochin. I-II. J. Sci. & Indus. Res. 11B:294-299. July 1952. 475 J82
Holygarna arnottiana and Semecarpus travancorica.

1441 NASON, A., OLDEWURTEL, H. A., and PROPST, L. M. Role of micronutrient elements in the metabolism of higher plants. I. Changes in oxidative enzyme constitution of tomato leaves deficient in micronutrient elements. Arch. Biochem. & Biophys. 38:1-13. Ref. July 1952. 381 Ar2

1442 NATH, M. C., CHITALE, R. P., and BELAVADY, B. Biosynthesis of vitamin C and a new precursor. Nature [London] 170:545-546. Sept.27,1952. 472 N21
Experiments with Phaseolus mungo.

1443 NEELAKANTAN, S., and SESHADRI, T. R. Chemical investigation of Indian lichens. J. Sci. & Indus. Res. 11A:338-340. Ref. Aug.1952. 475 J82

1444 NEILANDS, J. B. A crystalline organo-iron pigment from a rust fungus (Ustilago sphaerogena). Amer. Chem. Soc. J. 74:4846-4847. Oct.5,1952. 381 Am33J

1445 NISHIKAWA, H. On chaetomidin, a pigment produced by a mould belonging to the genus Chaetomidium. I. Tottori U. Facul. Agr. J. 1:71-82. Feb.20,1952. 107.6 T643

1446 OGUR, M., and others. The nucleic acids in a polyploid series of Saccharomyces. Arch. Biochem. & Biophys. 40:175-184. Ref. Sept.1952. 381 Ar2
S. Minckler, G. Lindegren, and C. C. Lindegren, joint authors.

1447 PAECH, K. Die differenzierung der ölzellen und die bildung des ätherischen öles bei Asarum europaeum. Z. f. Bot. 40:53-66. 1952. 450 Z32

1448 PAVLINOVA, O. A. On participation of phosphorylated sugars in the respiration of the [sugar] beet plant. (In Russian.) Akad. Nauk SSSR. Dok. 85:851-854. Ref. Aug.1,1952. 511 P444A

1449 PIRIE, N. W. Protein production from green leaves. World Crops 4:374-376. Nov.1952. 281.8 W892

1450 RAM, J. S., and GIRI, K. V. Starch-synthesizing enzymes of green gram (Phaseolus radiatus). Arch. Biochem. & Biophys. 38:231-236. Ref. July 1952. 381 Ar2

1451 RAMAKRISHNAN, C. V., and BANERJEE, B. N. Studies on mold lipase; comparative study of lipases obtained from molds grown on Sesamum indicum. Arch. Biochem. & Biophys. 37:131-135. Ref. 1952. 381 Ar2

1452 REESE, E. T., GILLIGAN, W., and NORKRANS, B. Effect of cellobiose on the enzymatic hydrolysis of cellulose and its derivatives. Physiol. Plant. 5:379-391. 1952. 450 P564

1453 REĬMERS, F. É. Transformation of sugars and fermentation activity in the turnip onion plants grown under various conditions. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:188-212. Ref. 1951. 463.29 Ak1
Effect of light.

1454 RUBIN, B. A., and GULIDOVA, I. V. Characteristics of carbohydrate exchange in the quantitative analysis of leaves of sugar beets. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:84-106. Ref. 1951. 463.29 Ak1

1455 RUBIN, B. A., and others. In regard to the role of individual oxidases in the respiration of apples [during growth and storage]. (In Russian.) Akad. Nauk SSSR. Dok. 85:1123-1126. Aug.11,1952. 511 P444A
E. V. Artsikhovskaîa, V. E. Sokolova, and T. M. Ivanova, joint authors.

1456 RUBIN, B. A., SOKOLOVA, V. E., and ARTSIKHOVSKAÎA, E. V. On adaptation of the respiratory gas exchange of apples to environmental conditions [during period of growth and storage]. (In Russian.) Akad. Nauk SSSR. Dok. 85:859-862. Ref. Aug.1,1952. 511 P444A

1457 RUDIN, V. D., and SHCHERBAKOVA, S. S. Cyanide content in sorghum and Sorghum halepense hybrids, and methods for its determination. (In Russian.) Selek. i Semen. 19(4):46-53. Apr.1952. 61.9 Se5

1458 SADASIVAN, V. Biochemical studies on Penicillium chrysogenum Q-176. II. Further investigations on phosphatase activity. Arch. Biochem. & Biophys. 37:172-185. Ref. 1952. 381 Ar2

1459 SANNIE, C., and LAPIN, H. Structure des sapogénines stéroliques et chromatographie de partage sur papier. Acad. des Sci. Compt. Rend. 235:581-582. Sept.15,1952. 505 P21
Agave.

1460 SAWHNEY, P. L., and SESHADRI, T. R. Alkaloid from Coptis teeta Wall. J. Sci. & Indus. Res. 11B:308-309. July 1952. 475 J82

1461 SCHEFFER, F., and RATHJE, W. Zur säure neutralisierenden wirkung des kaliums in lebenden zellen. II. Parallelität von kaliumgehalt und photosynthese-intensität grüner pflanzen. Landwirt. Forsch. 4: 37-38. 1952. 18 L2333

1462 SCHNEIDER, A. Über das vorkommen gerbstoffartiger kondensationsprodukte von anthocyanidinen in den samenschalen von Pisum arvense. Naturwissenschaften 39:452-453. Oct.1,1952. 474 N213

1463 SCHNEIDER, H. G., TENER, G. M., and STRONG, F. M. Separation and determination of antimycins. Arch. Biochem. & Biophys. 37:147-157. Ref. 1952. 381 Ar2
From yeasts.

1464 SHIMAZONO, H., and TAKUBO, K. The biochemistry of wood decaying fungi. 1. The Bavendamm's reaction and the accumulation of oxalic acid by wood decaying fungi. (In Japanese.) Rin-Go-Shiken-Hokoku 53: 117-125. July 1952. 99.8 R47
English summary.

1465 SIMONOVA, E. F. Chemical characteristics of sugar beet varieties. (In Russian.) Selek. i Semen. 19(9):28-30. Sept.1952. 61.9 Se5
Includes pectin.

1466 SMITH, F. G. Ascorbic acid formation in potato tuber slices. Plant Phsyiol. 27:736-744. Ref. Oct.1952. 450 P692

1467 STUMPF, P. K. Glycolytic enzymes in higher plants. Annu. Rev. Plant Physiol. 3:17-34. Ref. 1952. 450 An78

1468 TEAS, H. J., and ANDERSON, E. G. Niacin in starchy and sugary maize. (Abs.) Genetics 37:632. Sept.1952. 442.8 G28

1469 TREPACHEV, E. P. Chemical characteristics of hay of certain Sudangrass varieties. (In Russian.) Selek. i Semen. 19(7):54-57. July 1952. 61.9 Se5

1470 VARENTSOV, I. I., and TSEKHOMSKAÎA, V. M. Biochemical characteristics of ripening and preservation of green peas. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:150-166. 1951. 463.29 Ak1

1471 VENNESLAND, B., and CONN, E. E. Carboxylating enzymes in plants. Annu. Rev. Plant Physiol. 3: 307-332. Ref. 1952. 450 An78

1472 VISWANATHA, T., RAJAGOPALAN, R., and DE, S. S. The mechanism of the proteolytic inhibitors present in soybeans. Indian Inst. Sci. J. 34:253-259. July 1952. 513 In23

1473 WACHTMEISTER, C. A. Studies on the chemistry of lichens. I. Acta Chem. Scand. 6:818-825. Ref. 1952. 385 Ac82

1474 WAGNER, J. G., and HARRIS, L. E. A phytochemical investigation of the fruit of Maclura pomifera (Raf.nesque) Schneider. I-III. Amer. Pharm. Assoc. J. Sci. Ed. 41:494-504. Ref. Sept.1952. 396.9 Am33J

1475 WALZEL, G. Vitamin C in Cuscuta. Protoplasma 41:260-262. Ref. 1952. 442.8 P94

1476 WEINBERGER, P., and CLENDENNING, K. A. Glutamic carboxylase of the mature wheat leaf. Canad. J. Bot. 30:755-763. Ref. Nov.1952. 470 C16C

1477 WEISS, R. Évolution des principales formes de phosphore au cours de la germination des graines. Soc. de Chim. Biol. B. 34:471-479. Ref. 1952. 383 So1

1478 WETTER, L. R. The proteolytic enzymes of microorganisms. IV. Canad. J. Bot. 30:685-692. Ref. Nov.1952. 470 C16C

1479 WIELAND, T., SCHMIDT, G., and WIRTH, L. Uber die giftstoffe des knollenblätterpilzes. VIII. Justus Liebig's Ann. der Chem. 577:215-233. 1952. 384 An7

1480 WILDMAN, S. G., and JAGENDORF, A. T. Leaf proteins. Annu. Rev. Plant Physiol. 3:131-148. Ref. 1952. 450 An78

1481 YAMAGUCHI, M., and JOSLYN, M. A. Purification and properties of dehydroascorbic acid reductase of peas (Pisum sativum). Arch. Biochem. & Biophys. 38: 451-465. Ref. July 1952. 381 Ar2

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

1482 AGRONOMIEN YHDISTYKSEN. Vuosikertomus [Annual report of the Society of Agronomists], 1951. Agron. Yhdist. Julkaisu. 50,116 p. 1952. 20 Ag823

1483 AUSMAN, D. Washington Cattleman of the Year program promotes good range management. J. Range Mangt. 5:322-327. Sept.1952. 60.18 J82

1484 BATTISTELLI, E. The fortune of the grain is in the bosom of the pasture. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:360-361. Sept.1952. 16 C72
Need for rotations and pasture management.

1485 BERTHAULT, P. Les assolements et l'orientation de notre production. Rev. Agr. de l'Afrique du Nord 50:541-543. Aug.29,1952. 80 R326

1486 BRANDT, H. Uber die im jahre 1951 in Bayern angelegten schauversuche zur förderung des pflanzgutwechsels bei kartoffeln. Pflanzenschutz 4:13-18. Feb.1952. 464.8 P48

1487 BROZGUL', M. M. Sevooboroty i sochetanie otraslei v sovkhozakh [Crop rotations and coordination of branches on state farms]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 271 p. 64 B82

1488 BURMAK, N. N. Experiments in adapting vegetable and grass crop rotation on consolidated collective farms. (In Russian.) Sad i Ogorod 6:60-62. June 1952. 80 Sa13

1489 CAMARAO, M. C. Some basic concepts in agronomy. II. (In Portuguese.) Bras. Açucareiro 39: 451-453. May 1952. 65.8 B73

1490 CONFEDERAZIONE GENERALE ITALIANA DELLA TECNICA AGRICOLA. Vademecum del tecnico agricole e dell'agricoltore.[Guide for agricultural technique]. Roma,1951. 166 p. 30.5 C763

1491 ERMILOV, G. B. Michurin's plant physiology. (In Russian.) Selek. i Semen. 19(6):9-14. June 1952. 61.9 Se5

Chiefly field crops.

1492 FRANCE. DIRECTION DES SERV. AGRICOLES DE LA CHARENTE. Expérimentation agricole en Charente. Angoulême,1951. 23 p. 33.17 F8494E

1493 GERMANY (DEMOCRATIC REPUBLIC, 1949-). MINISTERIUM FUR LAND- UND FORSTWIRTSCHAFT. Ratgeber zur sortenwahl landwirtschaftlicher und gartenbaulicher pflanzenarten. Berlin,Deutscher Zentralverlag, 1951. 120 p. 459.3 G312R

1494 GERMANY (DEMOCRATIC REPUBLIC, 1949-). MINISTERIUM FUR LAND- UND FORSTWIRTSCHAFT. Sortenliste der in der Deutschen Demokratischen Republik zugelassenen sorten von kulturpflanzen. Berlin, Deutscher Zentralverlag,1951. 36 p. 459.3 G312

1495 GIVEON, H. Expansion of plantation area in 1952-1953. (In Hebrew.) Hassadeh 32:469-471. July 1952. 26 H27

1496 GLIEMEROTH, G. Bericht über die forschungsergebnisse auf dem gebiet des acker- und pflanzenbaues im Bundesgebiet seit 1945. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 8,53 p. Ref. 1951. 18 G312S

1497 GODTSENHOVEN, E. VAN. De teelt der landbouwgewassen [Culture of agricultural plants]. Ed. 3, rev. and enl. Antwerpen,Uitgeversmij. n.v. Standaardboekhandel,1951. 352 p. 33.13 G54

1498 JANSSON, S. L. The meadow is the corner stone of the utilization of arable land. (In Swedish.) Lantmannen 36:683-684,686. Ag 686. Aug.30,1952. 11 L234

1499 JENSEN, H. L. Plant culture in 1951. (In Danish.) Tidsskr. f. Landøkon. 9:368-390. Sept.1952. 11 T43

1500 JORDAN, H. V. By-products of research. Better Crops Plant Food 36(8):23-25,48-50. Oct.1952. 6 B46

Agronomy.

1501 KRAHL-URBAN, J. Waldfeldbau in einem mittelgebirgsrevier; grundlagen, wege und ziele der landwirtschaftlichen zwischennutzung im lehrforstamt Bramwald. Göttingen. U. Forstl. Fakul. Schrreihe. 1, 60 p. 1951. 99.9 G71

1502 KRYLOV, A. V., and MARTYNOV, V. M. Best varieties of grain, oil crops, and perennial grasses and legumes for irrigated agriculture. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:26-30. Apr.1952. 20 D742

1503 LECHNER, L. Ein besuch bei französischen pflanzenzuchtbetrieben. Saatgut-Wirt. 4:184-185. Aug.1952. 61.8 Sa1

Field crops.

1504 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Guide to varieties of field and vegetable crops under trial, observation and propagation. Cambridge,1951. 65 p. 103 N21G

1505 NUNN, A. Will rotations go to grass? Prog. Farmer, Ga.-Ala.-Fla. Ed. 67(10):19,156-157. Oct.1952. 6 P945G

Rotations of grazing lands and row crops.

1506 PATTERSON, J. B. E. Crops. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:657-662. Ref. 1951. 382 M31R

Yields.

1507 PETROV, P., and VIZHUKHOV, G. Crop rotations of Imeni 1 Maîa Collective Farm [in Moscow Region]. (In Russian.) Kolkhoz. Proizvodstvo 12(9):14-15. Sept.1952. 281.8 K83

1508 SAHL, E. Mehr winterzwischenfrüchte anbauen! Deut. Landwirt.-Gesell. Mitt. 67:603-604. Aug. 23,1952. 18 N39

1509 SERGEEV, P. N. Experiment in introducing and utilizing the grass-field crop rotation system of agriculture. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:9-11. May 1952. 20 D742

1510 SKORNÎAKOV, S. Sevooboroty v kolkhoze "Borets" [Crop rotation on Borets Collective Farm]. Moskva,Moskovskiĭ Rabochii,1952. 65 p. 64 Sk5

1511 SMIRNOV, A. I., and TROFIMOV, M. M. Post-harvest crops in the irrigated agriculture of Zavolzh'e. (In Russian.) Sovet. Agron. 10(8):15-18. Aug.1952. 20 So84

1512 SOKOLOV, G. A. Growing plants in the sandy deserts of Kazakhstan. (In Russian.) Priroda 41(7):69-72. July 1952. 410 P933

Dry farming of field crops chiefly.

1513 STEINER, L. Der zwischenfruchtbau im zentrum des niedersächsischen pflanzkartoffel-anbaugebietes. Hannoversche Land- u. Forstwirt. Ztg. 105:849. Aug.23,1952. 18 H194

1514 SVINKIN, SH. B. Adaptation of a system of grass-field crop rotations—a sure foundation of leading collective farms. (In Russian.) Sovet. Agron. 10(9):17-20. Sept.1952. 20 So84

1515 TIEMANN. Der winterzwischenfruchtbau als regulator für ertragsschwankungen auf dem grünland. Grünland 1:67-68. Sept.1952. 18 G922

Germany.

1516 TOŠOVIČ, S. Agrotehnika i viši prinosi [Agricultural technique and high yields]. Beograd,Zadružna Knjiga,1951. 98 p. (Praktična Poljoprivredna Knjiga) 64 T632

1517 YAMASAKI, M. Shokuyo sakumotsu shin-ko [New discourse on food products]. Tokyo,Sangyo Tosho, 1952. 299 p. 64 Y1

Field crops.

1518 ZAIKA, I. E. Leading seed growing kolkhoz. (In Russian.) Selek. i Semen. 19(9):30-32. Sept.1952. 61.9 Se5

Cereals

1519 ARIYANAYAGAM, D. V. Preliminary studies on the pre-sowing treatment of paddy. Trop. Agr. [Peradeniya] 108:11-20. Ref. Jan./Mar.1952. 26 T751

1520 ARNOLD, C. R. F. Maize in South Africa. Brit. Agr. B. 5:151-154. Sept.1952. 10 B776

1521 ARTEMOVA, A. S., and IAKOVLEV, A. V. Cultivation of hybrid 599 [wheat x Agropyron] in the Kazakh Soviet Socialist Republic. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:12-16. 1951. 451 M854

1522 ARTEMOVA, A. S., and IAKOVLEV, A. V. Prospects of developing hybrid 186 from winter wheat and Agropyron repens in the south of Kazakhstan. (In Russian.) Selek. i Semen. 19(4):11-16. Apr.1952. 61.9 Se5

1523 BADANIN, P. A. Growing different plants of summer wheat for intervarietal crossing. (In Russian.) Selek. i Semen. 19(9):69. Sept.1952. 61.9 Se5

1524 BAER, E. VON. El maiz de ensilaje "Eureka." Campesino [Santiago] 84(8):7,9. Aug.1952. 9.3 So12

1525 BAUMANN, H. Altes und neues zum winterroggenbau auf sandböden. Deut. Landwirt. 3:451-454. Sept.1952. 18 D4822

1526 BELOZOROV, A. Siberian Institute of Grain Farming. (In Russian.) Kolkhoz. Proizvodstvo 12(9):54-55. Sept.1952. 281.8 K83

1527 BOCANEGRA SALAZAR, S. Comparativo de hibridos y variedades de maiz en la Costa Central del Perú. Agronomia [Lima] 17(70):72-75. July 1952. 9.8 Ag83

1528 BOÍAKOV, M. D. Planting winter rye in wide spaced rows. (In Russian.) Selek. i Semen. 19(9):55-58. Sept.1952. 61.9 Se5

1529 BORJA, V., TORRES, J. P., and OCTUBRE, F. P. Fifty years of rice research. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.179-189. Ref. Manila,Graphic House,1952. 37 P533

Culture.

1530 BORZAKOVSKIĬ, I. V. Stubble plantings of winter wheat in Kazakhstan. (In Russian.) Agrobiologiîa 4:161-169. July/Aug.1952. 20 Ag822

1531 BRASE, O. Immer wieder fragen der roggen-bestellung. Landwirtbl. Weser-Ems 99:973-974. Sept. 25,1952. 18 L2345

1532 BRETIGNIERE. Les journées du riz à Arles en 1950 et en 1951. Acad. d'Agr. de France. Compt. Rend. 39:419-422. June 11/18,1952. 14 P215Bc

1533 BRÉTIGNIÈRE, L. Les blés à semer. Agr. Prat. 116:445-447. Sept.1952. 14 J82
France.

1534 BURKHART, H. Die getreideerntetechnik der zukunft. Deut. Landwirt.-Gesell. Mitt. 67:669-670. Sept. 20,1952. 18 N39

1535 CABRAL, A. Short notes on Mentana and Quaderna wheats in the Azores. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 8(16):92-99. Second Semes.1952. 15 Az6

1536 CANADA. DEPT. OF AGRICULTURE. CEREAL DIV. Cereal grain; choice of variety could add dollars to your income. Ottawa,1951? 4 p. 59 C1693

1537 CHEREMISINOV, G. A. Practices in the effort for high yields of grain crops on Stalin Collective Farm [in Nechaev District, Penza Region. (In Russian.) Sovet. Agron. 10(9):48-53. Sept.1952. 20 So84

1538 CLAUSEN, A. Combine problems. (In Danish.) Dansk Landbr. 71:487-488. Oct.9,1952. 280.28 V91

1539 CLAVÉ, P. La riziculture en Camargue. Marchés Coloniaux du Monde 8:2543,2545-2546. Sept. 27,1952. 286.8 M33

1540 COLLINS, R. Is there a top limit to corn yields in Missouri? Mo. Farmer 44(10):3,8. Oct.1952. 6 M696

1541 COSTA, C. DA. Wheat straw. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 8(16):110-114. Second Semes.1952. 15 Az6

1542 COYAUD, Y. Les possibilités rizicoles de la Guyane Française. Agron. Trop. [Nogent-sur-Marne] 7:355-366. July/Aug.1952. 26 Ag86

1543 CRNKO, J., and FOX, J. M. Maiz de Guinea. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(53):37-40. May 1952. 9 Id3

1544 DEMISHEV, K. S. Problem of perennial bread grain. (In Russian.) Selek. i Semen. 19(6):15-21. June 1952. 61.9 Se5
Wheat and rye.

1545 DENIKE, G. N. How Canadian research serves the wheat producer. Oreg. Wheat Growers League. Proc. 24:71,73,75,77,79,81,83,85. 1951. 59.9 Ea73

1546 DÎÛKOV, R. F. On utilizing the grass field near the taiga area of Siberia. (In Russian.) Sovet. Agron. 10(8):31-34. Aug.1952. 20 So84
Culture of wheat and rye.

1547 DUTHIL, J. Quelle variété de blé choisir? Agr. Charentais 7(14):1-2. Sept.1952. 14 Ag825

1548 EDMUNDS, L. Wheat after Brassica crops. Dunns Seed Wheats, Autumn Cereals & Forage Crops 1952:5. 61.9 D922

1549 ELAGIN, I. N. Growing hybrid buckwheat seeds. (In Russian.) Selek. i Semen. 19(5):6-10. May 1952. 61.9 Se5

1550 EL'KINA, E. L. Growing hybrids of summer wheat. (In Russian.) Selek. i Semen. 19(8):7-18. Aug. 1952. 61.9 Se5

1551 ELLIOTT, F. C., DARROCH, J. G., and WANG, H. L. Uniformity trials with spring wheat. Agron. J. 44: 524-528. Oct.1952. 4 Am34P
Statistical method.

1552 EVANS, M. Precipitation and sorghum yields. Tex. Livestock J. 11(9):8. Sept.1952. 49 T29

1553 FERAUD, L. Le battage des céréales en petite culture. Agr. Prat. 116:449-500. Sept.1952. 14 J82
France.

1554 FERREIRA FILHO, J. C. Cultura do milho. [Corn culture.] Ed. 3. Rio de Janeiro,Ministério da Agricultura, Serviço de Informação Agricola,1951. 51 p. (S.I.A. 124) 59.22 F412

1555 GADEA, M. Tre años de experiencias con nuevas variedades de trigos. Spain. Inst. Nac. de Invest. Agron. An. 1:1-182. 1952. 15 Sp18
Spain.

1556 GALLAY, R., ZWEIFEL, J., and KELLER, C. L'epuration de nos variétés de froment d'automne. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:57-59. Aug.1952. 17 J82A

1557 GRAFIUS, J. E., and DIRKS, V. A. An analysis of small grain performance in South Dakota, 1942-1951. S. Dak. Agr. Expt. Sta. B. 422,23 p. May 1952. 100 So82

1558 GREEN, V. E., JR. A hybrid corn for south Florida. Fla. Grower 60(10):10,24. Oct.1952. 80 F6622
Corneli II.

1559 GREER, E. N. Home grown wheat. Milling 119:370,372-373. Oct.11,1952. 298.8 M622
Culture in Great Britain.

1560 HARING. Die herbstsaat 1952. Württemb. Wchnbl. f. Landwirt. 119:780-781. Aug.30,1952. 18 W96
Grain.

1561 HARVEY, P. H. More corn with hybrids. Carolina Co-op. 30(11):12-13. Nov.1952. 72.8 N81

1562 HAUCK. Wintergetreidebau und sortenwahl. Bad. Landwirt. Wchnbl. 119:611-612. Sept.7,1952. 18 B142

1563 HINKLE, D. A. More corn from fewer acres in the South. Crops & Soils 5(2):14-15. Nov.1952. 6 W55

1564 HOF, J. Problems of the grain harvest. (In Dutch.) Zeeuwsch Landbbl. 40(2139):3. Sept.13,1952. 12 Z2

1565 HOSOKAWA, S., and TANAKA, S. Differences in the growth of paddy rice plants between the two methods of cultivation with and without transplanting. (In Japanese.) Kyushu Noji Shikinjo 8:37-38. Oct.1951. 107.6 K996

1566 HUBER. Der tetra-roggen im erntejahr 1952. Landwirt. Z. der Nord-Rheinprov. 119:1029. Sept.20, 1952. 18 L2344

1567 HUNGERFORD, T. A. G. They fill 2,000,000 rice-bowls each year. Indian Farming (n.s.)2(5):28-30. Aug.1952. 22 In283
Rice farming in Murrumbidgee Irrigation area, Australia.

1568 IARMIZIN, D. V. Experimental work of selection at the Kirgiz State Selection Station. (In Russian.) Selek. i Semen. 19(9):33-40. Sept.1952. 61.9 Se5
Chiefly wheat.

1569 ÎURÎSOVSKIĬ, M. A. Mixed plantings of corn and squash. (In Russian.) Sotsialist. Zhivotnovod. 14(6): 34-35. June 1952. 49 So71

1570 IVANOFF, S. S., and others. 12 varieties of oats compared in grain tests. Miss. Farm Res. [Miss. Sta.] 15(9):1,8. Sept.1952. 100 M69Mi
D. Bowman, R. Coats, K. Freeman, B. L. Arnold, and C. L. Blount, joint authors.

1571 JOHNSTON, J. W., JR. Arroz en Guatemala. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7): 42-45. July/Dec.1950,pub.July 10,1952. 8 G934
Culture.

1572 JONES, E. T. Winter oats. Dunns Seed Wheats, Autumn Cereals & Forage Crops 1952:4. 61.9 D922

1573 JONES, M. D., and BROOKS, J. S. Effect of tree barriers on outcrossing in corn. Okla. Agr. Expt. Sta. B. T-45,11 p. Aug.1952. 100 Ok4

1574 KALVERKAMP, U. D. The sowing of winter grain. (In Dutch.) Boerderij 36(52):3. Sept.24,1952. 12 B63

1575 KARISHNEV, R. V. Complex hybrids of summer wheat. (In Russian.) Selek. i Semen. 19(7):11-18. July 1952. 61.9 Se5

1576 KARUZIN, B. V. Plantings of winter wheat on stubble in Middle Povolzh'e. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):16-17. 1952. 20 Ak1

1577 KAWABUCHI, K., and WATANABE, I. Ine, mugi ni okoriyasui kosho to taisaku [Plans to reduce general difficulties in raising rice and wheat]. Tokyo, Fuminsha,1951. 195 p. 59 K17

1578 KERLE, W. D. Maize hybrids and varieties; district recommendations for 1952 sowing. Agr. Gaz. N. S. Wales 63:286-289. June 2,1952. 23 N472

1579 KHOMENKO, A. A. A highly-productive form of corn. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:86-87. Mar.1952. 20 D742

1580 KIHARA, H. Komugi; ichi seibutsu gakusha no kiroku [Wheat; a biologist's record]. Tokyo,Chuo Koron Sha,1951. 320 p. 463.69 K55

1581 KOPTEV, G. S. Time for sowing buckwheat. (In Russian.) Selek. i Semen. 19(4):65-70. Apr.1952. 61.9 Se5

1582 KOPTEV, G. S. Wide-row plantings of buckwheat. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:28-31. May 1952. 20 D742

1583 KRICKL, M. Eine praktisch erprobte beobachtungs-, aufarbeitungs, und analysenmethode zur auslese der geeigneten pflanzen für die maiszüchtung. Z. f. Pflanzenzücht. 31:339-358. Aug.1952. 450 Z36

1584 KUZNETSOV, I. N. Processing seeds of wheat varieties received from regional seed farms. (In Russian.) Selek. i Semen. 19(7):3-7. July 1952. 61.9 Se5

1585 LAROSE, E. L'escourgeon, cultures, variétés. Sillon Belge 22(524):1,6. Sept.6,1952. 13 Si3

1586 LITOVCHENKO, A. L. Double-spike wheat in the Ukraine. (In Russian.) Selek. i Semen. 19(6):46-48. June 1952. 61.9 Se5

1587 LOVCHIKOV, I. S., and BUDIUK, V. P. Best varieties of summer wheat for irrigated land of the south east and central Black-soil belt. (In Russian.) Selek. i Semen. 19(5):3-6. May 1952. 61.9 Se5

1588 MAISTRE, J., and SAUGER, L. Compte rendu de la cinquième réunion sur les mais hybrides. Agron. Trop. [Nogent-sur-Marne] 7:383-394. July/Aug.1952. 26 Ag86

1589 MANNES. Druschergebnisse aus sortenversuchen mit wintergerste 1952. Hannoversche Land- u. Forstwirt. Ztg. 105:793. Aug.9,1952. 18 H194

1590 MARCIANO, A. The word of the farmers on the Est Mottin. (In Italian.) Agr. Molisana 3(9):3. Sept. 1952. 16 Ag8267
Wheat variety.

1591 MARIEN, H. Comparaisons de variétés de céréales. Bouches du Rhône Agr. 24(1080):5. Aug.15, 1952. 14 B662

1592 MATA PACHECO, J. Comunicación sobre mejoramiento en arroz. Col. de Ingen. Agron. An. 4:39-53. Ref. 1951. 58.9 C82

1593 MEILHAN, A. Les nouveaux blés italiens à la ferme-pilote de Coumets. Terre d'Oc 34:314-315. Aug.1952. 14 Ar5

1594 MIAGKOV, N. V. Introducing hard wheat into new regions. (In Russian.) Selek. i Semen. 19(9):66-67. Sept.1952. 61.9 Se5

1595 MORBELLO, T. Our rice-growing regions: Novarese. (In Italian.) Riso 1(7):27-29. Aug.1952. 59.8 R49

1596 NALDI, L. Two new corn hybrids: Insubria 133, Insubria 524. (In Italian.) Italia Agr. 89:550-553. Aug.1952. 16 It1

1597 NEZHINTSEV, I. P. Corn plantings with hybrid seeds. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:32-34. Mar.1952. 20 D742

1598 NIKITENKO, F. G. New method for intervarietal crossing of barley. (In Russian.) Selek. i Semen. 19(7):36-43. July 1952. 61.9 Se5

1599 NOHE, E. Zum weizenanbau. Württemb. Wchnbl. f. Landwirt. 119:898-899. Oct.4,1952. 18 W96

1600 NOTTINGHAM. UNIVERSITY COLLEGE. SCHOOL OF AGRICULTURE. DEPT. OF AGRICULTURAL ECONOMICS. A study of barley production in Lindsey, 1950. Sutton Bonington,Loughborough,1951. 20 p. 59.9 N84

1601 OGATA, M., and ISHIDA, K. A test on the adaptability of the various varieties of wheat for bread-baking. (In Japanese.) Kyushu Noji Shikinjo 8:20. Oct.1951. 107.6 K996

1602 OREGON WHEAT GROWERS LEAGUE. Proceedings of the twenty-fourth annual meeting, December 6-8, 1951. Pendleton,1951. 181 p. 59.9 Ea73

1603 PIACCO, R. Varieties of rice cultivated in Italy. (In Italian.) Italia Agr. 89:554-559. Aug.1952. 16 It1

1604 PICHLER, F. Wie die saat, so die ernte! Pflanzenarzt 5(9):2. Sept.1,1952. 464.9 P482
Cereals.

1605 PIELEN, L. Versuche mit winterweizen 1952. Landwirt. Z. der Nord-Rheinprov. 119:1055. Sept.27,1952. 18 L2344

1606 PONTAILLER, S. Pour avoir de beaux blés. Potasse 26:159-160. Oct.1952. 57.8 P84

1607 PORTER, K. B., ATKINS, I. M., and WHITFIELD, C. J. Wheat production in the Panhandle of Texas. Tex. Agr. Expt. Sta. B. 750,38 p. June 1952. 100 T31S

1608 PRICE, C. D., and others. Yours to choose a regional guide to winter cereals. Farmers Wk. 37(11): 60-61,63. Sept.12,1952. 10 F2226

1609 QUISENBERRY, K. S. Cooperative research with cereal crops in the United States. Oreg. Wheat Growers League. Proc. 24:45,47,49,51,55,57,59. 1951. 59.9 Ea73

1610 RICCI, I. Results of tests on hybrid corn in the province of Ravenna, 1951 season. (In Italian.) Romagna Agr. e Zootec. 37(14):2. Aug.1952. 16 R66

1611 RICE annual, 1952. New Orleans. Rice J., 1952. 80 p. 56.24 R364

1612 ROHLF, J. A. Sorghums go big time; you can get new, high-yielding varieties, tailor-made for your soil and climate. Farm J. 76(11):65. Nov.1952. 6 F2212

1613 ROTHGEB, R. G. The performance of hybrid corn in 1950. Md. Agr. Expt. Sta. Misc. P. 101,16 p. Feb.1951. 100 M36M

1614 SAID KHAN, M., and SHAKIRULLAH KHAN, M. Rice cultivation in North-West Frontier Province. No.-West Frontier Prov., Pakistan. Dept. Agr. Farmers B. 24,7 p. 1951. 22 N814B

1615 SAKUMOTSU saibai kakuron [Different remarks on raising crops], v. 1. Tokyo,1951. 544 p. 64.8 Sa2
Grain, by I. Nagai

1616 SAPRYGINA, E. S., and KOZIUKINA, N. I. Importance of the place of origin of winter wheat varieties. (In Russian.) Selek. i Semen. 19(9):14-17. Sept.1952. 61.9 Se5
Hardiness.

1617 SARAN, A. B., and PRASAD, M. Ratooning in paddy. Cur. Sci. 21:223-224. Aug.1952. 475 Sci23

1618 SASKATCHEWAN CEREAL VARIETY COMMITTEE. Varieties of grain crops for Saskatchewan 1952. Regina,1952. 8 p.-folder. 59.9 Sa742

1619 SAVEL'EV, S. I., and POTAPOV, P. E. Sowing winter wheat on stubble in the Lower Volga Area. (In Russian.) Sovet. Agron. 10(8):8-14. Aug.1952. 20 So84

1620 SCHLEUSENER, W. Über die aussaat des wintergetreides. Deut. Landwirt. 3:449-451. Sept.1952. 18 D4822
Russian Zone of Germany.

1621 SCHRÖDER. Zur diesjahrigen sortenwahl bei winterweizen. Landwirtbl. Weser-Ems 99:974-976. Sept.25,1952. 18 L2345

1622 SCHRÖDER. Zur sortenwahl bei der wintergerste. Praxis u. Forsch. 4:115-116. Sept.20,1952. 18 P89
Germany.

1623 SEN, S. Wheat and barley. Indian Farming (n.s.)2(5):8-11,22. Aug.1952. 22 In283
Culture and varieties.

1624 SHADRIN, A. Economic evaluation of rice harvesting methods. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(7):44-51. July 1952. 281.8 So73

1625 SHEVCHUK, T. N. Corn in the Carpathians. (In Russian.) Selek. i Semen. 19(8):37-41. Aug.1952. 61.9 Se5

1626 SHMAL'KO, V. S. Preservation of seeds of naked oats. (In Russian.) Selek. i Semen. 19(5):72-73. May 1952. 61.9 Se5

1627 SHUBIN, I. D. Role of agricultural practices in increasing resistance of winter crops [wheat and barley] to freezing and dying off. (In Russian.) Sovet. Agron. 10 (9):81-82. Sept.1952. 20 So84

1628 SMITH, J. B., and HARVEY, P. H. Tar Heel farmers find a dry weather standby. Res. & Farming [N. C. Sta.] Prog. Rpt. 10:6-7. Summer 1951. 100 N81R
Varieties of grain sorghums.

1629 SOCIÉTÉ D'ENCOURAGEMENT DE LA CULTURE DES ORGES DE BRASSERIE ET DES HOUBLONS EN FRANCE. Rapports sur la campagne 1950. Issoudun Laboureur,1951. 62 p. 59.9 So12

1630 ŠOŠIĆ, B., and MIRŽINSKA, J. La meilleure époque des semailles du blé d'automne. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6):99-111. 1951. 21.5 Y9
French summary.

1631 STAPLEDON, SIR R. G. Wheat. Dunns Seed Wheats, Autumn Cereals & Forage Crops 1952:3. 61.9 D922

1632 STURGIS, F. E., MIEARS, R. J., and WALKER, R. K. Protein in rice as influenced by variety and fertilizer levels. La. Agr. Expt. Sta. Tech. B. 466,28 p. Ref. June 1952. 100 L93

1633 TELLEZ MOLINA, R. Ensayos comparativos de rendimientos de trigos hibridos. Spain. Inst. Nac. de Invest. Agron. An. 1:183-215. 1952. 15 Sp18

1634 TELLIEZ, J. Les principales causes d'insucces de la culture du blé. Tarn-et-Garonne Agr. 15: 143-145. Sept.1952. 14 T17

1635 THIBAU, C. E. Spacing and density of seeds in wheat culture. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(3):38-43. Mar.1952. 9.2 M663

1636 THIBAU, C. E. Work of wheat adaptation in Minas Gerais. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(4):6-15. Apr.1952. 9.2 M663

1637 THOMAS, I., and REEVES, J. New cereal varieties in Australia. West. Austral. Dept. Agr. J. (ser.3)1:391-392. May/June 1952. 23 W52J

1638 THOMAS, I., and CARISS, H. G. Wheat crop competitions; details of W. A. Flour Millowners' Assen. series. West. Austral. Dept. Agr. J. (ser.3)1:385-389. May/June 1952. 23 W52J

1639 THOMAS, I., and CARISS, H. G. Wheat crop competitions; W. A. Flour Millowners' Assn. series 1951/52. West. Austral. Dept. Agr. J. (ser.3)1:547-549, 551-553,555-560. July/Aug.1952. 23 W52J

1640 TILT, J., and BERRYMAN, J. W. Outline of the problems associated with early oat growing on cropped out areas of Cressy shaley clay loam. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:235-240. Aug.1952. 23 T182T

1641 TOMO, N. Studies on the environmental variation of the paddy rice "Rikuu No. 132 (Tohoku Origin)" cultivated in Tanegashima. (In Japanese.) Kyushu Noji Shikinjo 8:29-30. Oct.1951. 107.6 K996

1642 TOWNSEND, T. Montana No. 1 corn; double-crossed parents may lead to adapted hybrid variety. Montana Farmer-Stockman 40(2):8. Sept.15,1952. 6 M764

1643 ULONSKA, E. Einfluss von saatzeit und saatstärke auf den ertrag des wintergetreides. Deut. Landwirt.-Gesell. Mitt. 67:667-668. Sept.20,1952. 18 N39

1644 VAN'KOV, G. A. High yields of corn on extensive areas. (In Russian.) Sovet. Agron. 10(9):43-47. Sept.1952. 20 So84

1645 VERTUNNI, R. Hybrid corn in Italy. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(88):10-11. Oct.18,1952. 281.8 Ag3

1646 VIANNA E SILVA, M. Rice in the Hindu tradition. (In Portuguese.) Lav. Arroz. 6(67):29-32. July 1952. 59.8 L39

1647 WATABE, T. On the adaptabilities of winter cereals to transplanting. I. A note on the ecological characteristics of transplanted plants. (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:40-49. Mar.1952. 22.5 K993
English summary.

1648 WATANABE, T. A defence of rice cultivation with some reference to the climatic cycles. Hokkaido U. Facul. Agr. J. 50:1-17. Mar.1952. 107.6 J273J

1649 WELLS, D. G. New Abruzzi rye strain promising as grazing crop. Miss. Farm Res. [Miss. Sta.] 15 (9):1. Sept.1952. 100 M69Mi

1650 WELLS, D. G. Wheat resists frost injury; performs well in tests at Experiment Stations. Miss. Farm Res. [Miss. Sta.] 15(9):7. Sept.1952. 100 M69Mi

1651 WIJNSBERGHE, W. VAN. Reparlons du mais cultivé pour le grain. Sillon Belge 22(522):12. (Cont.) Aug.23,1952. 13 Si3

1652 WIJNSBERGHE, W. VAN. Reparlons du maïs cultivé pour le grain. Sillon Belge 22(523):3. Aug. 30,1952. 13 Si3

1653 WYATT, J. A. Windrow harvesting. Kent Farmer 1:215. Aug.1952. 10 K412
Grain harvesting.

1654 ZAMKOVOĬ, G. T. Selection of spring wheat in the Far East. (In Russian.) Selek. i Semen. 19(6):21-30. June 1952. 61.9 Se5

1655 ZELENSKIĬ, M. A. Formation and heredity of large-size seeds of wheat and rye. (In Russian.) Selek. i Semen. 19(4):8-11. Apr.1952. 61.9 Se5

Fiber Crops

1656 BREDEMANN, G. Weitere beobachtungen bei züchtung des hanfes auf fasergehalt. Züchter 22:257-269. Ref. 1952. 442.8 Z8

1657 BROWN, L. C., and ELLWOOD, C. C. Defoliating cotton in Arizona. Ariz. Agr. Col. Ext. C. 203,7 p. Aug.1952. 275.29 Ar42

1658 CEPEDA GUERRA, E. La planificación de la agricultura. Rev. Nac. de Agr. 46(567):19-21. July 1952. 9.4 R32
With particular reference to cotton culture in Colombia.

1659 CRUZ AUNON, P. Impresiones de la visita a una explotación algodonera en los EE. UU. Agricultura [Madrid] 21:494-497. Sept.1952. 15 Ag84

1660 DEMIDOV, S. Toward further advancement of collective farm flax culture. (In Russian.) Kolkhoz. Proizvodstvo 12(9):5-7. Sept.1952. 281.8 K83

1661 DEODHAR, G. W. Grafted cotton. In Textile Association. Souvenir, the 9th All India Textile Conference, p.141. Baroda,1952. 304 T3192

1662 DOKUCHAEV, V. M., ed. Institut khlopkovodstva novykh raionov [Institut of cotton culture in the new regions]. Stavropol',Kraĭizdat,1951. 138 p. 72.9 D68

1663 FERNANDO, L. H. Recent advances in the improvement of cotton in Ceylon. Trop. Agr. [Peradeniya] 108:29-36. Jan./Mar.1952. 26 T751

1664 GHOSH, S. Improved jute seed. Jute B. 15: 208-209,211. Aug.1952. 73.38 In2

1665 GOLODKOVSKIĬ, L. Removing monopodial branches from cotton plants as a means for increasing the crop. (In Russian.) Khlopkovodstvo 4:30-33. Apr. 1952. 72.8 K522

1666 GOOD defoliation needs more than chemicals. Farm Mangt. 1(6):34,36-37. Sept./Oct.1952. 281.8 F2225
Cotton.

1667 GREEN, J. M. 1951 cotton defoliation test results in Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. M-238,2 p. Sept.1952. 100 Ok4M

1668 GRIMES, M. A. Cotton defoliation and fiber maturity. Textile Res. J. 22:637-640. Oct.1952. 304.8 T293

1669 HARRISON, J. W. Field work with colloidal silica. Cotton Res. Clinic 3:37-39. 1952. 72.9 N215

1670 HOMURA, Y., and MATSUNAGA, Y. Studies on the root system of ramie. I. (In Japanese.) Kyushu Noji Shikinjo 8:55-56. Oct.1951. 107.6 K996

1671 INSTITUTO DE FOMENTO ALGODONERO. SECCION AGRICOLA. Senor Agricultor: siembre algodon y defiéndalo de las plagas. Inst. de Fomento Algodon. B. 2,23 p. Feb.1952. 72.9 B63

1672 INSTITUTO DE FOMENTO ALGODONERO. SECCIÓN AGRÍCOLA. Señor Agricultor: siembre lo que Colombia necesita;Siembre algodon. Ed. 2. Inst. de Fomento Algodon. B. 1,8 p. Aug.1952. 72.9 B63

1673 ISTITUTO COTONIERO ITALIANO. Statistiche cotoniere estere, anno 1951 [Foreign cotton statistics, 1951]. Riv. dell'Indus. Tessile Coton. Sup. 6(6), 94 p. June 1952. 286.3729 Is7Na

1674 ISTITUTO COTONIERO ITALIANO. Statistiche cotoniere italiane, anno 1951 [Italian cotton statistics, 1951]. Riv. dell'Indus. Tessile Coton. Sup. 4,i.e.6 (3),44 p. Mar.1952. 286.3729 Is7Na

1675 KANNIYAN, K., and BALASUBRAMANIAN, R. The interrelation of factors controlling yield and quality of irrigated Cambodia cotton in Madras State. Indian Cotton Growing Rev. 6:119-130. July 1952. 72.8 In23

1676 KARPENKO, S. Experiments in cotton cultivation with the aid of the leading machine-tractor stations of Ukraine. (In Russian.) Khlopkovodstvo 4:48-57. Apr. 1952. 72.8 K522

1677 KENNERLY, A. B. Cotton breeding keeps pace with changing demands of growers. West Tex. Today 33(6,i.e.7):24,29. Aug.,i.e.Sept.1952. 286.8 W522

1678 KHALTURIN, S. S. Achievements of innovator in cotton growing, Allia Anarov. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:31-35. May 1952. 20 D742

1679 KHAN, S. N. Jute cultivation by tribal people. Jute B. 15:170-172. July 1952. 73.38 In2
Assam.

1680 KLAR, R. Ramieanbau und ramiegewinnung. Melliand Textilber. 33:911. Oct.1952. 304.8 T312
English summary.

1681 KURTZ, T., and others. Further trials with intercropping of corn in established sods. Soil Sci. Soc. Amer. Proc. 16:282-285. Ref. July 1952. 56.9 So3
S. W. Melsted, R. H. Bray, and H. L. Breland, joint authors.

1682 LEDING, A. R. Cotton variety tests, 1948-1951. N. Mex. Agr. Expt. Sta. Press B. 1074,7 p. Aug. 1952. 100 N465

1683 LYSIKOV, V. First experiments in cotton culture in the central zone of Moldavia. (In Russian.) Khlopkovodstvo 4:40-43. Apr.1952. 72.8 K522

1684 MALYKH, P., and KLOCHKOV, V. Best varieties of fiber-flax. (In Russian.) Kolkhoz. Proizvodstvo 12(9):24-25. Sept.1952. 281.8 K83

1685 MEDVEDEV, P. F. Promotion of "sidia" culture in the North. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:83-84. Apr.1952. 20 D742
New fiber plant.

1686 MUKHERJI, M. C. Among jute growers of Serampore. Jute B. 15:119-122. June 1952. 73.38 In2

1687 MUKHERJI, M. C. Growing capsularis on olitorius tract. Jute B. 15:175-176,182. July 1952. 73.38 In2

1688 MUKHERJI, M. C. Seed jute farm in a dacoits' den. Jute B. 15:201-202. Aug.1952. 73.38 In2

1689 NARUSHEVICH, P. M. Obtaining hemp seeds in regions where hemp grows. (In Russian.) Selek. i Semen. 19(5):58-59. May 1952. 61.9 Se5

1690 NAYAK, H. R. The effect of cultural operations on the quality and agronomic characters of cotton. Indian Cotton Growing Rev. 6:156-157. July 1952. 72.8 In23

1691 ORLOV, V. Soviet jute. (In Russian.) Kolkhoz. Proizvodstvo 12(9):27. Sept.1952. 281.8 K83

1692 PODVALKOV, M. Harvesting the non-irrigated cotton crop. (In Russian.) Kolkhoz. Proizvodstvo 12(9): 26. Sept.1952. 281.8 K83

1693 POTOČANAC, J. Unsere winterleinsorten und deren züchtung. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):118-138. 1952. 21.5 Y9
. German summary.

1694 PRUGALOV, A. New compounds [calcium cyanamide] for defoliating cotton plants. (In Russian.) Khlopkovodstvo 7:42-47. July 1952. 72.8 K522

1695 RAO, C. J., RAGHAVAN, A., and RAO, P. A. A review of recent progress in the work for the evolution of jassid [Empoasca devastans] and blackarm [Xanthomonas malvacearum] resistant strains of Cambodia for the Tungabhadra project area. Indian Cotton Growing Rev. 6:147-155. Ref. July 1952. 72.8 In23

1696 RIVERO, J. M. DEL. Defoliación del algodonero con cianamida de calcio. Spain. Inst. Nac. de Invest. Agron. B. 12:167-177. Ref. June 1952. 105.6 Sp14
English summary.

1697 ROGANOVIĆ, B. Reoni kulture pamuka u Jugoslaviji [Cotton growing regions of Yugoslavia]. Beograd,Socijalisticka Poljoprivreda,1951. 386 p. 72 R633R

1698 ROGERS, C. H., and NEELY, J. W. Problems in breeding new cottons. Cotton Res. Clinic 3:6-8. 1952. 72.9 N215

1699 THE SCIENCES of cotton defoliation. Amer. Cyanagrams 2(7):24-27. Fall 1952. 381 Am392

1700 STRAUMAL, B. Interbreeding cotton varieties. (In Russian.) Khlopkovodstvo 4:34-39. Apr.1952. 72.8 K522

1701 TER-AVANESIAN, D., and GUREVICH, L. Importance of the amount of pollen in cotton hybridization. (In Russian.) Khlopkovodstvo 5:36-40. May 1952. 72.8 K522

1702 THIEME, J. G. Fibre yield and leaf length of Agave sisalana. East African Agr. J. 17:111-115. Jan. 1952. 24 Ea74

1703 UEHARA, T. On the flowering and fruiting habits of Kenaf in Tanegashima. (In Japanese.) Kyushu Noji Shikinjo 8:59-60. Oct.1951. 107.6 K996

1704 UKRAINSKII, V. Current tasks of high-grade cotton farming on the Stavropol Territory. (In Russian.) Khlopkovodstvo 6:33-35. June 1952. 72.8 K522

1705 WIERDA, C. S. H. La culture du lin aux Pays-Bas. Fleur Bleue 20:40-48. Sept.1952. 304.8 F63

Forage Crops and Grasses

1706 AABERG, H. C. Federally owned grazing lands. Nation's Agr. 27(9):20. Oct.1952. 280.82 B89

1707 AAMODT, O. S. Rambling alfalfas, new hope for dryland pastures. Crops & Soils 5:7-10. Oct.1952. 6 W55

1708 ALBRITTON, R. C. Major emphasis on dairy and pasture research at Northeast Branch Station. Miss. Farm Res. [Miss. Sta.] 15(9):3. Sept.1952. 100 M69Mi

1709 ALLRED, B. W. Little bluestem: a native grass. Soil & Water Mag. 1(9):8,12. Sept.1952. 54.8 So3
Andropogon scoparius.

1710 ANGOVE, P. C. Lucerne in South Australia. II. So. Austral. Dept. Agr. J. 55:551-560. June/July 1952. 23 So84

1711 ANGOVE, P. C. Lucerne in South Australia. III. Lucerne hay. So. Austral. Dept. Agr. J. 56:23-31. Aug.1952. 23 So84
Includes diseases and pests.

1712 ANSWER to alkali; tall wheat grass reclaims alkali land in Nevada, provides an income in the process; here's how it's done. Farm Mangt. 1(6):27-31. Sept./Oct.1952. 281.8 F2225

1713 ARAUJO, A. A. DE. The planting of artificial pastures—first operations with pastures. (In Portuguese.) Chacaras e Quintais 86:375. Sept.15,1952. 9.2 C34

1714 ARAUJO, A. A. DE. Planting pastures. II. (In Portuguese.) Lav. Arroz. 6(66):49. June 1952. 59.8 L39

1715 BADEN. Feldgraswirtschaft oder dauergrünland auf hochmoorkulturen? I. Landwirtbl. Weser-Ems 99:976-979. Sept.25,1952. 18 L2345

1716 BARRALES, H. L., and LUDWIG, R. A. The clonal propagation of red clover. Sci. Agr. 32:455-462. Sept.1952. 7 Sci2

1717 BATEMAN, G. Q. More feed from your pasture. Utah Farmer 72:664-665. Aug.21,1952. 6 D45
Pasture management.

1718 BATYGIN, V. M., and BELIANKIN, T. I. Clover-timothy mixture. (In Russian.) Sovet. Agron. 10 (8):35-38. Aug.1952. 20 So84
Red clover.

1719 BEARE, J. A. Restoring pasture cover on highland grazing country in the wheat belt. So. Austral. Dept. Agr. J. 56:14-16. Aug.1952. 23 So84

1720 BELL, H. G. The economic place of Ontario pastures. Shorthorn News [Waterloo] 13(3):9. Sept.1952. 43.8 Sh85

1721 BEREZOVSKII, V. G. Grass-legume mixtures on meadow soils. (In Russian.) Sovet. Agron. 10(8):26-30. Aug.1952. 20 So84

1722 BHATTI, A. G. Production of fodder grasses in the Punjab hills. Pakistan J. Forestry 2:201-205. July 1952. 99.8 P17

1723 BLANCO, R. Desecación y conservación del heno. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 4-52 H,12 p. Feb.1952. 15 H68

1724 BOGOMOLOV, N. I. How high yields of sudangrass seeds were obtained. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:46-47. Apr. 1952. 20 D742

1725 BORISEVICH, I. M. Introduction of serradella plantings into collective farm production. (In Russian.) Sotsialist. Zhivotnovod. 14(3):18-21. Mar.1952. 49 So71

1726 BORST, H. L., and BACHTELL, M. A. Hill grassland gives creditable beef yields on areas subject to erosion. Ohio Farm & Home Res. [Ohio Sta.] 37:76-77,80. Sept./Oct.1952. 100 Oh3S

1727 BOSTICK, V. Word of caution on crested wheatgrass [Agropyron cristatum]. N. Mex. Stockman 17(10):9,97. Oct.1952. 49 N462

1728 BOTHA, J. P. Veld management in the eastern Transvaal. Farming So. Africa 27:385-389,398. Aug. 1952. 24 So842

1729 BRANNAN, C. F. Grass: nature's benediction. Washington,U. S. D. A., Off. Sec.,1952. 5 p. 1.91 A2B73
Talk to Sixth International Grassland Congress, State College, Pa., Aug. 18, 1952.

1730 BROWN, A. L., and EVERSON, A. C. Longevity of ripped furrows in southern Arizona desert grassland. J. Range Mangt. 5:415-419. Nov.1952. 60.18 J82

1731 BUSH, E. A. Reconstruction of the grass constituents on subalpine meadows. (In Russian.) Bot. Zhur. 37:477-487. July/Aug.1952. 451 R923

1732 CALLANTINE, E. J. Prairie sandreed (Calamovilfa longifolia). S. Dak. Stockgrower 6(8):11. Sept. 15,1952. 49 So84

1733 CASTAÑON, G. El trebol rojo. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 3-52 H,12 p. Feb.1952. 15 H68

1734 CHAFFIN, W. Fall and winter pastures. Okla. Agr. Col. Ext. C. 575,4 p. n.d. 275.29 Ok41C

1735 CHEBOTAEV, N. F., and PALAMARENKO, I. K. Squash—a valuable forage crop. (In Russian.) Sotsialist. Zhivotnovod. 14(6):29-34. June 1952. 49 So71
Culture chiefly.

1736 CHERKASOVA, V. A. Starting meadows on ravine slopes. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:21-24. May 1952. 20 D742

1737 CHOHLIS, J. What kind of "grass roots"? West. Livestock J. 30(53):41,156. Sept.15,1952. 6 F2278

1738 CHRISTIAN, C. S., and SHAW, N. H. A study of two strains of Rhodes grass (Chloris gayana Kunth.) and of lucerne (Medicago sativa L.) as components of a mixed pasture at Lawes in south-east Queensland. Austral. J. Agr. Res. 3:277-299. July 1952. 23 Au783

1739 CIDRAES, A. G. Forragens nos Açores (dois anos de experimentação) [Forage plants of the Azores (two years of experiments)]. Lisboa,1951. 34 p. 60 G58

1740 COLOMBANI, G. Our mountain pastures. (In Italian.) Cam. di Com. Indus. e Agr. di Novara. Not. Econ. 8(6):8-11. June 1952. 287 N85N

1741 COMERIO, N. Forrajicultura: zonas semiaridas erosionables. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 3(30):12-14. Dec.1951. 9 Ar35

1742 CRAIN, A. W. Building pastures. Tex. Livestock J. 11(9):7,68. Sept.1952. 49 T29

1743 CROWDER, L., and SELL, O. E. Stronger sods for winter grazing. Crops & Soils 5(2):12-13. Nov.1952. 6 W55

1744 CUMMINGS, O. Economic development of the western range resources; an inventory of research. Bozeman, Mont.,Mont. State Col.,1952. 60 p. 241 C91

1745 CURRY, F. B. Stirring adventure of grass seed. Sowest. Crop & Stock 6(9):56-57,66. Sept.1952. 6 So8942

1746 CZERWINKA, W. Kraft und saftfutterbau. Graz,Stocker,1952. 152 p. 64 C99

1747 DAVIES, J. Lucerne establishment trials in the West Midlands, 1947-51. Gt. Brit. Min. Agr. Agriculture 59:266-268. Sept.1952. 10 G79J

1748 DAVIES, J. G. Pastures in the Australian economy. Austral. Inst. Agr. Sci. J. 18:60-67. June 1952. 23 Au74

1749 DEMUSENKO, P. M., and SEVAST'IANOVA, M. I. Planting mixed grasses without nurse crops in vegetable and grass crop rotation. (In Russian.) Sad i Ogorod 6:57-60. June 1952. 80 Sa13

1750 DICKEY, J. B. R. Pasture renovation—when and how? Pa. Farmer 147:218-219,251. Sept.27,1952. 6 P383

1751 DICKSON, D. W. 304-year-old Maryland farm shows fine pastures. Prog. Farmer, Carolinas-Va. Ed. 67(11):20,130. Nov.1952. 6 P945

1752 DORDEVIĆ, V. D. Livadarstvo sa pašnjaštvom [Meadow cultivation and pasture management]. Beograd, Izdavačko Preduzeće Narodne Republike Srbije,1951. 251 p. 60 D722

1753 DRAKE, J. M., JR. Alfalfa in Oklahoma. Sowest. Crop & Stock 6(9):36-39. Sept.1952. 6 So8942

1754 DUBSLAFF. Pflege der wiesen und weiden. Deut. Landwirt. 3:515-520. Oct.1952. 18 D4822

1755 EHARA, K., and ABE, S. Studies on the growth of alsike clover (Trifolium hybridum L.) and renge (Astragalus sinicus L.) on the soils with the different groundwater levels. (In Japanese.) Kyushu Noji Shikinjo 8:65-66. Oct.1951. 107.6 K996

1756 ELFIMOV, N. G., and KUZNETSOV, G. I. Method of growing high yields of forage cabbage. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:26-28. May 1952. 20 D742

1757 ENTENMANN, F. M., SCHWENDIMAN, J. L., and PATTERSON, J. K. Cultural methods of establishing grass with sweetclover and the effect of varying the percentage of grass and sweetclover on the crop yield. Agron. J. 44:514-516. Oct.1952. 4 Am34P

1758 EREMIN, G. P. Accelerated ways of starting meadows. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:18-21. May 1952. 20 D742

1759 FORTESCUE, R. A. The lucerne ley in arable farming. Gt. Brit. Min. Agr. Agriculture 59:261-266. Sept.1952. 10 G79J

1760 FRANCKE. Soforтmassnahmen zur ertragssteigerung auf dem grünland. Grünland 1:71-72. Sept. 1952. 18 G922
Germany.

1761 FRANCKE, A. Höhere blattfruchterträge durch umstellung der fruchtfolge. Deut. Landwirt.-Gesell. Mitt. 67:635-636. Sept.6,1952. 18 N39

1762 FRANKENA, H. J. Grassland yields. (In Dutch.) Nieuwe Veldbode 18:801. Sept.11,1952. 12 V542N

1763 FREDERIKSEN, H. Effect of clover on the yield of our grasslands. (In Danish.) Dansk Landbr. 71: 420-422. Aug.28,1952. 280.28 V91

1764 GISH, N. R. Research pays off in Oregon. West. Livestock J. 30(48):40-41,115-116. Aug.15,1952. 6 F2278
Range management.

1765 GONNET, P. Plaidoyer pour le sainfoin. Gaz. Apic. 53:198-199. July 1952. 424.8 G25

1766 GOODHUE, J. Preparing pastures for winter. Blood-Horse 64:885-886. Oct.25,1952. 42.8 T392

1767 GUZMAN, A. Algunos apuntes sobre los pastos cultivados en la zona de San Carlos. Rev. de Agr. [San José] 24:246-248. Aug.1952. 8 Es1

1768 HARRIS, H. E., MCDANIEL, A. H., and ROARK, C. B. Grassland farming on cutover pineland of west Louisiana. La. Agr. Expt. Sta. B. 468,15 p. June 1952. 100 L93

1769 HARVEY, W. B. Colorado's range-livestock championship. J. Range Mangt. 5:403-407. Nov.1952. 60.18 J82

1770 HÉDIN, L. Aspects de la production laitière française; la prairie normande. Opinion Econ. et Financ. 5(11):14-15. Mar.1952. 44 Op3

1771 HELY, F. W., and HUDSON, W. J. C. Comparative hay yields of various annual medics in the year of establishment. Austral. Inst. Agr. Sci. J. 18:102-104. June 1952. 23 Au74

1772 HENDRICKSON, B. H. Recent trials with rescue grass [Bromus catharticus]. Washington? U. S. Soil Conserv. Serv. South. Piedmont Conserv. Expt. Sta., 1952. 3 p. 1.96 Ad6He
Talk at meeting of the Georgia Section, American Society of Agronomy and Soil Science Society, Athens, Jan. 22, 1952.

1773 HILLS, L. D. Prickly comfrey [Symphytum asperrimum] for pigs, poultry and compost. Fruit-Grower 2965:747-749. Oct.23,1952. 80 F941

1774 HOLMES, W., and others. Studies in grazing management. IV-V. J. Agr. Sci. 42:304-321. Ref. July 1952. 10 J822
IV, by W. Holmes, R. Waite, D. L. Fergusson, and D. S. MacLusky; V, by R. Waite, W. Holmes, and J. Boyd. Dairy cattle.

1775 HOUSELY, R. M., JR. Is science enough? J. Range Mangt. 5:302-304. Sept.1952. 60.18 J82
Need for a technical side to range management research.

1776 INTERNATIONAL GRASSLAND CONGRESS. 6th, STATE COLLEGE, PA., 1952. Information bulletin. Washington,1952. 17 p. 60.19 In86

1777 IURTSOVSKII, M. A. Mixed plantings of forage crops. (In Russian.) Sotsialist. Zhivotnovod. 14(4):13-17. Apr.1952. 49 So71
Include legumes.

1778 IVANOV, A. P. Seed production of Stalin Collective Farm [in Dzhambul District, Dzhambul Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(4):18-19. Apr. 1952. 49 So71
Alfalfa chiefly.

1779 JACQUES, W. A., EDMOND, D. B., and YATES, M. E. Root development in some common New Zealand pasture plants. V-VI. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:231-257. Ref. Oct.1952. 514 N48A
V, The effect of defoliation and root pruning on cocksfoot (Dactylis glomerata) and perennial ryegrass (Lolium perenne), by W. A. Jacques, and D. B. Edmond; VI, Importance of various roots, particularly the seminal roots of perennial ryegrass (Lolium perenne), by M. E. Yates, and W. A. Jacques.

1780 JOHNSON, A. Sown pastures for Inverell, Moree and Boggabilla districts. Agr. Gaz. N. S. Wales 63:410-414,418. (Cont.) Aug.1952. 23 N472
Pasture mixtures.

1781 KAPLUNOVSKII, S. Perennial rye—a valuable forage crop. (In Russian.) Kolkhoz. Proizvodstvo 12(6): 58. June 1952. 281.8 K83

1782 KHAN, A. R. The miracle clover [Trifolium alexandrinum] Sci. & Cult. 18:153-154. Sept.1952. 475 Sci24

1783 KHITRYKH, G. M. Experiment in planting sudangrass with grain [as nurse crops]. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4: 42-43. Apr.1952. 20 D742

1784 KHOMENKO, I. I. Certain questions concerning the blooming and pollination of alfalfa. (In Russian.) Selek. i Semen. 19(4):40-45. Apr.1952. 61.9 Se5

1785 KIRCHMEYER, F. Pour améliorer le rendement des alpages, un exemple autrichien. B. des Engrais 343:131-133. July/Aug.1952. 57.8 B87

1786 KLAPP, E. L. Futterbau und grünlandnutzung; ein wegweiser für die praxis. Ed. 5, rev. Berlin,Parey, 1951. 163 p. 60 K66

1787 KLAPP, E. L. Taschenbuch der gräser. Ed. 7, rev. Berlin,Parey,1952. 220 p. 60.1 K66

1788 KOLAŘ, J. On the problem of the composition of clover-grass mixture and the results of the experiment with lotus-grass mixtures in 1947-48. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:199-210. Mar. 1952. 19.5 C332C

1789 KOLESNIK, I. D. Summer crop of grasses. (In Russian.) Selek. i Semen. 19(4):34-40. Apr.1952. 61.9 Se5

1790 KOSMACK, K. Moderne kleesamengewinnung. Saatgut-Wirt. 4:187-188. Aug.1952. 61.8 Sa1

1791 KOSTROŇ, L. The significance of forest grasses, medicinal plants and forest fruits in progressive forest economy. (In Czech.) Brünn. Vysoká Šk. Zeměděl. a Lesn. Sborn. 3/4:145-165. Ref. Dec.31,1951. 105.92 B833

1792 KOZYR', A. T. Germination of newly harvested seeds of perennial forage plants. (In Russian.) Selek. i Semen. 19(8):47-51. Aug.1952. 61.9 Se5
Chiefly legumes.

1793 KRASIKOV, Z. D., and KALMYKOV, A. G. Kormoproizvodstvo v kolkhozakh Sibiri [Feed production on collective farms of Siberia]. Novosibirsk,Novosibirskoe Obl. Gos. Izd-vo,1951. 90 p. (Novosibirsk. Upravlenie Sel'skokhoziaĭstvennoĭ Propagandy. Posobie po Agrozootekhuchebe. vyp. 13) 20 N853
Forage plants culture chiefly.

1794 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(37):10. (Cont.) Sept.12, 1952. 18 B324

1795 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(38):10. (Cont.) Sept. 19,1952. 18 B324
Germany.

1796 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(39):8. (Cont.) Sept.26, 1952. 18 B324
Germany.

1797 KRUSTIKOV, P. S. Summer plantings of alfalfa in Siberia. (In Russian.) Agrobiologiîà 3:50-59.. May/June 1952. 20 Ag822

1798 LAMBERTS, H., and TOLNER, J. Gele voederlupine; teelt, gebruik en veredeling van een voedergewas [Yellow fodder lupine; culture, use and improvement of a fodder plant]. Meppel,Ceres,1952. 115 p. 60.3 L17

1799 LAUMONT, P. Les fourrages. Rev. Agr. de l'Afrique du Nord 50:492-493,531-532. (Cont.) Aug.1, 22,1952. 80 R326

1800 LAWDER, E. F. Gold Coast elephant grass benefits stock and soil; heavy yields of green fodder, silage and compost despite unreliable rainfall. Farmer's Wk. [Bloemfontein] 83:55. Aug.27,1952. 24 F225
A variety of Pennisetum purpureum.

1801 LEWIS, K. G. "Strip" or "break" grazing on dairy farms. Victoria. Dept. Agr. J. 50:355-358,362. Aug.1952. 23 V66J
Use of a portable electric fence in New Zealand.

1802 LISITSYN, B. P. Experiment in birdsfoot trefoil culture. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:44-46. Apr.1952. 20 D742

1803 LIÛBARSKII, A. I. Experimental work of the forage supply brigade on the Khrushchev collective farm. (In Russian.) Kormovaîà Baza 3(5):15-17. May 1952. 60.8 K84

1804 LOVE, R. M., and SUMNER, D. C. Rose clover, a new winter legume. Calif. Agr. Expt. Sta. C. 407,11 p. Mar.1952. 100 C12S

1805 LOWERY, J. C. How can we improve pasture programs? Prog. Farmer, Ga.-Ala.-Fla. Ed. 67(11):18, 20. Nov.1952. 6 P945G

1806 LOZANO MATIENZO, J. El "kudzu tropical" una leguminosa de valia para nuestra agricultura. Mensajero Agr. 74:46-47. (Cont.) June/July 1952. 9.8 M52
Peru.

1807 MANIN, I. N. Experiment in introducing the most productive forage crops into the arid districts of Northern Caucasus. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:38-42. Mar.1952. 20 D742

1808 MARCHENKO, I. I. Hybrids of the Jerusalem artichoke and sunflowers. (In Russian.) Selek. i Semen. 19(5):74-75. May 1952. 61.9 Se5
For forage.

1809 MATAGRIN, P. L'exploitation pastorale de l'alpe. Opinion Econ. et Financ. 5(11):16-17. Mar.1952. 14 Op3

1810 MEL'NIKOV, P. I. Method of developing the feed supply base on Il'ich [cattle breeding] State Farm [in Kirgiz SSR]. (In Russian.) Sotsialist. Zhivotnovod. 14(6):23-28. June 1952. 49 So71
Culture of forage crops chiefly.

1811 MOORE, I. Problems of ploughing-up. Farmer & Stock-Breeder 66(3283):52-53. Sept.23/24,1952. 10 F228
Reclaiming poor grassland in Britain.

1812 MUNN, M. T. New York can produce high quality red clover seed. Farm Res. [N. Y. State Sta.] 18(3):4. July 1952. 100 N48A

1813 MYERS, A. Germination of stored lucerne seed; results of four-year experiment. Agr. Gaz. N. S. Wales 63:284-285. June 2,1952. 23 N472

1814 MYERS, W. M. The Sixth International Grassland Congress. Amer. Plant Food Council. J. 6(3):6-7, 10-11. July/Sept.1952. 57.8 P692

1815 NESTEROVA, E. A., and BODROV, V. I. Method of obtaining hay rich in vitamins on Telman Collective Farm [in Ramenskii District, Moscow Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(6):36-39. June 1952. 49 So71
Harvesting chiefly.

1816 NICHOLS, B. Rescue—a profitable seed crop. Better Crops Plant Food 36(8):17-18,48. Oct.1952. 6 B46
Bromus catharticus.

1817 NIXON, W. M., and RECHENTHIN, C. A. Range seeding. Sheep & Goat Raiser 33:12-14. Oct.1952. 45.8 Sh3

1818 OLEINIK, V. I. Experiments in continuous planting of perennial grass varieties adopted by seed growing farms. (In Russian.) Selek. i Semen. 19(7):50-54. July 1952. 61.9 Se5

1819 PARODI, R. A. Forrajeras de invierno en Manfredi. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 3(30):9-11. Dec.1951. 9 Ar35

1820 PATTERSON, J. K., and LAW, A. G. A technique study in grass strain testing. Agron. J. 44:520-524. Oct.1952. 4 Am34P

1821 PAVLOVIĆ, M. Stacking and siloing. II. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):2-5. July 1952. 21.5 V87

1822 PLATT, K. B. The range rules. J. Range Mangt. 5:395-397. Nov.1952. 60.18 J82

1823 POPOV, V. M. Summer plantings of alfalfa in the steppe and forest-steppe districts. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5: 15-17. May 1952. 20 D742

1824 POZNOKHIRIN, F. Summer crops of alfalfa in southern Ukraine. (In Russian.) Khlopkovodstvo 7: 48-52. July 1952. 72.8 K522

1825 POZNOKHIRIN, F. L. Summer planting of alfalfa with newly-harvested seeds. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:37-42. Apr.1952. 20 D742

1826 PRELLER, J. H. The sweet lupin for the Highveld region. Farming So. Africa 27:374. July 1952. 24 So842
Culture for feed.

1827 RAZBEZHKINA, A. D. 100 centners of meadow hay per hectare. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:24-25. May 1952. 20 D742

1828 RECHENTHIN, C. A. Use of pitted areas in grass cultivation. Sheep & Goat Raiser 32(12):48-49. Sept.1952. 45.8 Sh3

1829 REMER. Roggen und zottelwicke einmal anders genutzt (diskussionsbeitrag). Deut. Landwirt. 3:497-498. Sept.1952. 18 D4822
Culture for feed.

1830 REYNTENS, H. L'apparition des espèces médiocres de graminées dans les prairies à pâturer. Rev. de l'Agr. 5:811-818. Aug.1952. 13 R322
English summary.

1831 RINDERLE. Die mähweide—eine intensivfrucht. Landwirt. Wchnbl. 142:1035-1036. (Concl.) Sept. 13,1952. 18 L2338
Management.

1832 ROCHA, G. L. DA. Kikuyugrass. (In Portuguese.) Soc. Rur. Bras. Rev. 32(377):54. June 1952. 9.2 B733

1833 RODGERS, P. Improved pastures mean more milk per acre. Kans. City Coop. Dairyman 22(7):5,8. July 1952. 280.28 K13

1834 RODIONOV, V. A. Birdsfoot trefoil—valuable perennial legume. (In Russian.) Selek. i Semen. 19(9): 41-47. Sept.1952. 61.9 Se5

1835 ROHLF, J. A. New way to harvest alfalfa seed. Farm J. 76(11):34,150. Nov.1952. 6 F2212

1836 ROSENGURITT, B. Mejoramiento de las praderas. Rev. Nac. de Agr. 46(569):34-38. Sept.1952. 9.4 R32

1837 ROZOV, S. A. Sainfoin—one of the best honey plants in the grass-field crop rotations. (In Russian.) Pchelovodstvo 29(4):46-52. Apr.1952. 424.8 P295

1838 RÜBENSAM, E. Die einsaat von kleegrasgemischen in winterung. Deut. Landwirt. 3:455-456. Sept. 1952. 18 D4822
Russian Zone.

1839 RUSSELL, M. Colorado A & M is establishing Eastern Colorado Range Station. Colo. Rancher & Farmer 6(17):1,6. Sept.13,1952. 6 C714

1840 RYBKIN, I. Postharvest plantings of forage crops. (In Russian.) Kolkhoz. Proizvodstvo 12(6):31. June 1952. 281.8 K83

1841 SALVATORE, DEL G. Trigonella foenum-graecum, forage of the hill and mountain areas. (In Italian.) Italia Agr. 89:127-136. Ref. Feb.1952. 16 It1

1842 SAXBY, S. H. Survey shows decline in use of pampas grass [Cortaderia]. New Zeal. J. Agr. 85:114. Aug.15,1952. 23 N48J

1843 SAZHINOV, G., and BRITVINA, Z. Forage cabbage. (In Russian.) Kolkhoz. Proizvodstvo 12(9):31. Sept.1952. 281.8 K83

1844 SCHOTH, H. A., and RAMPTON, H. H. Ladino for western Oregon. Oreg. Agr. Expt. Sta. B. 519,13 p. Aug.1952. 100 Or3

1845 SCHULTZ, A. M., and BISWELL, H. H. Competition between grasses reseeded on burned brushlands in California. J. Range Mangt. 5:338-345. Sept.1952. 60.18 J82

1846 SCHULZE, E. Zur sicherung des luzerneertrages. Grünland 1:65-67. Sept.1952. 18 G922
Germany.

1847 SCOTT, J. D. Contribution to the study of the problems of the Drakensberg Conservation Area. Union So. Africa. Dept. Agr. Sci. B. 324,170 p. 1951. 24 So84S
Pastures.

1848 SHULYNDIN, A. F. Hybrids of long-stemmed and short-stemmed Setaria italica. (In Russian.) Selek. i Semen. 19(5):34-36. May 1952. 61.9 Se5

1849 SILVEIRA, H. DE S. E C. P. DA C. DA. Subsidies for the study of pastures in the Azores, Island of St. George. (In Portuguese.) Azores. Comis. Regulad dos Cereais. B. 8(16):41-62. (Cont.) Second Semes. 1952. 15 Az6

1850 SIN'KOVSKII, L. P. Restoration of seeds of semiscrub in deserts. (In Russian.) Bot. Zhur. 37:522-525. July/Aug.1952. 451 R923
Seed yield of Artemisia for pastures.

1851 SMELOV, S. P. Proper utilization of meadows and pastures. (In Russian.) Sotsialist. Zhivotnovod. 14 (6):22-23. June 1952. 49 So71

1852 SMITH, A. D. What should the goal of range education be? J. Range Mangt. 5:304-305. Sept.1952. 60.18 J82

1853 SOBACHENKOV, P. A. To raise the standard of work in growing juicy forage crops. (In Russian.) Sotsialist. Zhivotnovod. 14(3):13-17. Mar.1952. 49 So71

1854 SOKOL'SKAIA, B. P. Determination of red clover varieties. (In Russian.) Selek. i Semen. 19(5):70-72. May 1952. 61.9 Se5

1855 SPANN, J. Alpgeschichtliches; anfänge und fortentwicklung des alpwirtschaftlichen versuchswesens. Auf der Alpe 9:65-66. Sept.1952. 18 Au3
Pastures.

1856 SPARROW, E. L. How to bring new life to "old" pastures. Ford Farming 5(4):3-4. Fall 1952. 58.8 F752

1857 SPIVEY, W. R. Miner's lettuce [Montia perfoliata] on California burned brushlands. (Abs.) J. Range Mangt. 5:354. Sept.1952. 60.18 J82

1858 SPRACHER, M. L. An attempt to get a better picture of sweet clover and mottled seed. Seed World 71(7):45,52. Oct.3,1952. 61.8 Se52

1859 SPRINGFIELD, H. W. Value of crested wheatgrass [Agropyron cristatum] for spring grazing demonstrated in experiments in the Taos area. N. Mex. Stockman 17(9):68,70. Sept.1952. 49 N462

1860 SQUIRE, M. J. E. Rhodes grass [Chloris gayana] on the North Coast. Agr. Gaz. N. S. Wales 63: 282-283,290. June 2,1952. 23 N472

1861 SRINIVASAN, V., and RAO, K. J. Progress of pulses improvement work in Madras. Madras Agr. J. 39:478-484. Sept.1952. 22 M262

1862 STAHL, C. Klee/gras-anbau sichert futtererträge und humusversorgung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1659-1660. Oct.9,1952. 18 L2346

1863 STRATFORD-ON-AVON. GRASSLAND IMPROVEMENT STATION. Experiments in progress, No. 5, 1952. Drayton,Stratford-on-Avon,1952. 106 p. 60.9 St8

1864 STRELEC, P. A contribution to the melioration of Nardetum grasslands. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:481-492. Ref. 1952. 41.8 V6494
English summary.

1865 TAPIAS, R. Mejora de los prados. Cult. Mod. 35:289-290. Aug.1952. 15 C89
Spain.

1866 THOMPSON, W. R. Every good pasture needs a good manager. Prog. Farmer, Miss.-Ark.-La. Ed. 67(11):16,138-139. Nov.1952. 6 So81

1867 THOMPSON, W. R. Renovate the old—start the new. Prog. Farmer, Miss.-Ark.-La. Ed. 67(10):18,159. Oct.1952. 6 So81
Pastures.

1868 TIKHENKO, A. V. Biological and economic importance of the hardness of two-crop red clover seeds. (In Russian.) Selek. i Semen. 19(8):44-47. Aug.1952. 61.9 Se5

1869 TREW, E. M. Seasonal pastures for year-round grazing in the rolling and High Plains regions. Tex. Agr. Col. Ext. L. 169,2 p. 1952? 275.29 T313

1870 TSURUTA, S., and others. Cultivation trial of the adapted forage crops and wild grasses. II. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4: 217-222. July 1952. 49.9 C434
Y. Sasaki, N. Moriya, K. Yoshihara, K. Watanabe, S. Takai, and S. Horii, joint authors.
English summary.

1871 TURK, K. L. Forage research directed at farm problems. Dairymen's League News 36(23):6-7, 14-15. Nov.11,1952. 44.8 D1432
Culture and feeding.

1872 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Attending the Grassland Congress, by W. M. Meyers, D. Haidari, W. G. Carlson, and J. Towers. Washington,Aug.23,1952. 3 p. 1.914 R2R11

1873 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Sixth International Grassland Congress, by H. R. Albrecht, F. T. Whalen, C. P. McMeekan, and others. Washington,Aug.23,1952. 4 p. 1.914 R2R11

1874 VYTCHIKOV, A. Harvesting and storage of forage root crops. (In Russian.) Kolkhoz. Proizvodstvo 12(8):22-23. Aug.1952. 281.8 K83

1875 WALKER, A. H. Range education for the Texas rancher. J. Range Mangt. 5:311-314. Sept.1952. 60.18 J82

1876 WEBSTER, C. B. Buffelgrass: a "new" introduced grass. Soil & Water Mag. 1(9):9,12. Sept. 1952. 54.8 So3
Pennisetum ciliare.

1877 WEISE, F. Die fettweiden der Wesermarch. Landwirt. Forsch. 4:167-176. 1952. 18 L2333

1878 WILMANNS. Umfang, zusammensetzung und leistung der futterflächen in Hessen. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 15,12 p. 1951. 18 G312S

1879 WORDEN, W. L. They're setting fire to California. Sat. Evening Post 225(14):28-29,122,124,127. Oct.4,1952. 110 Sa8
Range burning.

1880 YAMADA, T., and ADACHI, A. Some experiments on the germination of hard red clover seed. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:199-207. Ref. July 1952. 49.9 C434
English summary and tables.

1881 YOUNG, H. M., JR. Hedging with drouth insurance. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 67(10): 156,167. Oct.1952. 6 P945K
Pasture managment.

1882 ZURN, F. Ratschläge zur neuzeitlichen grünlandbewirtschaftung; kurzgefasste anleitungen zur ertragssteigerung auf wiesen und weiden. Wien,Bohmann, 1951. 47 p. 60.1 Z83

1883 ZVEZDKINA, A. S. Origin of variants in spring vetch. (In Russian.) Selek. i Semen. 19(7):19-28. July 1952. 61.9 Se5

Oil Crops

1884 BANKOVSKIĬ, P. N. Sunflower varieties with a high content of oil in Odessa Region. (In Russian.) Masl.-Zhir. Promysh. 17(2):6-7. Feb.1952. 307.8 M37

1885 BINGEFORS, S. Oil plant trials in Middle Sweden. (In Swedish.) Försök och Forsk. 9:61-62. Aug./Sept.1952. 11 F77

1886 FLOR C., F. Cultura de la higuerilla en la provincia de Manabi. Consorcio de Cent. Agr. de Manabi. Rev. 70:22-30. Apr./June 1952. 9.5 M31

1887 GORDIENKO, V. A. New variety of soybean in Moldavia. (In Russian.) Selek. i Semen. 19(5):40-42. May 1952. 61.9 Se5

1888 GROKHOL'SKIĬ, L. F. Raw material base of the oil extracting industry of Siberia. (In Russian.) Masl.-Zhir. Promysh. 17(4):5-6. Apr.1952. 307.8 M37
Oil plants.

1889 HOROWITZ, M. La sélection du tournesol en U.R.S.S. Sol 69:310-312. 1952. 14 So4

1890 ĬATSENKO, V. G. New oil crop, Crambe. (In Russian.) Masl.-Zhir. Promysh. 17(3):5-7. Mar.1952. 307.8 M37

1891 IGONIN, I. Late-autumn planting of sunflower. (In Russian.) Kolkhoz. Proizvodstvo 12(8):24-25. Aug. 1952. 281.8 K83

1892 IL'INA, A. I. Reasons for scattering of sesame seeds. (In Russian.) Selek. i Semen. 19(6):58-61. June 1952. 61.9 Se5

1893 KOSTRINSKY, J. An experiment in sowing times of Carthamus tinctorius. (In Hebrew.) Hassadeh 32:360-363,412-414. May-June 1952. 26 H27

1894 MAZZANI, B. Una nueva variedad de ajonjoli (Sesamum indicum L.) producida en el Instituto Nacional de Agricultura. Agron. Trop. 1:269-277. Jan./Mar. 1952. 26 Ag87
English summary.

1895 MINKEVICH, I. A., and BORKOVSKIĬ, V. E. Maslichnye kul'tury [Oleaginous crops]. Ed. 2, rev. and enl. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 579 p. 77 M66M

1896 MONTAGNAC, P. R. Le ricin à Madagascar. Oléagineux 7:625-631. Nov.1952. 77.8 OL2

1897 MOUILHAUD, M. Une année de vulgarisation pour le développement de la culture du colza en Flandre maritime. Nord Agr. 8(46):3. (Concl.) Sept.5,1952. 14 N75

1898 OUCHIYAMA, S., and KAMADA, T. On the sowing time of peanut in Tanegashima. (In Japanese.) Kyushu Noji Shikinjo 8:61-62. Oct.1951. 107.6 K996

1899 PEARMAN, R. W., RAYMOND, W. D., and SQUIRES, J. A. Wild sesame seed from Northern Rhodesia. Colon. Plant & Anim. Prod. 2:297-299. 1951. 472 C71

1900 POLUBENSKIĬ, V. V. New sunflower varieties in the area of Voronezh-Kursk Vegetable Oil Combine. (In Russian.) Masl.-Zhir. Promysh. 17(2):5-6. Feb.1952. 307.8 M37

1901 PROBST, A. H., and CUTLER, G. H. Blackhawk soybeans for Indiana. Ind. Agr. Expt. Sta. C. 385, 11 p. July 1952. 100 In2P

1902 ROBERTS, I. M., and MCROSTIE, G. P. La fève soja. Ferme 13(12):10,60-61. Aug.1952. 7 F38
Culture.

1903 SHARAPOV, N. I. Novye maslichnye rasteniia SSSR [New oil plants of U. S. S. R.]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 102 p. 77 Sh22

1904 SHIMANSKIĬ, N. K. New method of obtaining high yields of sunflowers. (In Russian.) Masl.-Zhir. Promysh. 17(5):9-11. May 1952. 307.8 M37
Pollination.

1905 SOUIA, Y. Le tournesol en France. Sol 69: 302-303. 1952. 14 So4

1906 VOLYNETS, O. S. Results of selection and new, improved sunflower varieties. (In Russian.) Selek. i Semen. 19(9):3-10. Sept.1952. 61.9 Se5

1907 WEISS, M. G. Agronomic research goals in soybeans. Soybean Digest 12(11):56-57. Sept.1952. 60.38 So9

1908 XAVIER FILHO, S. Peanuts, general instructions for their culture. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(4):36-39. Apr.1952. 9.2 M663

Sugar Crops

1909 ABBOTT, E. V. Report on visits to Peru, Colombia and the Canal Zone. Sugar B. 31:45,50-52. Nov.1,1952. 65.9 Am32

1910 ABROSIMOV, M. IA., and IVIN, I. A. Practices of G. M. Malenkov Collective Farm [in Rakitianskiĭ Raĭon, Kursk Region] in growing high yields of sugar beets. (In Russian.) Sovet. Agron. 10(9):54-57. Sept. 1952. 20 So84

1911 BECHTOLT, C. Careful farming of sugar beets greatly increases tons per acre. Sugar Beet 10(7):6-8. Sept.1952. 66.8 Su34B

1912 BEHRENS, O. "King Cane"; rohrzucker, wichtigster wirtschaftsfaktor Hawaiis. Schokoladen-Handels-Ztg. 3(6):20. June 24,1952. 286.83 Sch6

1913 BRANDT, R. W. Results of cross blocking and cross cultivating. Crystal-ized Facts Sugar Beets 6(4): 34-35. Oct.1952. 66.8 C88

1914 BUZACOTT, J. H., and HUGHES, C. G. La expedición australiana a Nueva Guinea. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:269-277. Aug.1952. 65.9 As5B

1915 DOBRONRAVOV, F. N. Growing and processing sugar beets in Kirgizia. (In Russian.) Sakh. Promysh. 26(9):27-31. Sept.1952. 65.8 Sa2

1916 DUBOURG, J., and SAUNIER, R. Conditions de végétation et qualités industrielles de la betterave. Sucr. Franç. 93:77-79. Apr.1952. 65.8 J82

1917 ELAGIN, I. N. Growing high yields of sugar beets. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:51-53. Apr.1952. 20 D742

1918 GLASOW, W. Rübenernte—einfacher und weniger anstrengend. Praxis u. Forsch. 4:105-106. Sept.20,1952. 18 P89
Germany.

1919 HALAIS, P. Dernières nouveautés techniques dans le domaine de la canne et du sucre. Rev. Agr. de l'Ile Maurice 31:71-82. Mar./Apr.1952. 24 M44

1920 HEBERT, L. P. The Louisiana sugarcane variety census for 1952. Sugar B. 31:46-47,50. Nov.1, 1952. 65.9 Am32

1921 HOLKESVIG, O. A. The relation of seed beds to stands. Crystal-ized Facts Sugar Beets 6(4):26-27. Oct.1952. 66.8 C88

1922 HSIA, Y. J., CHUAN, L. T., and WANG, C. S. An appraisal of N: Co. 310 cane; results of extensive tests on Taiwan. III. So. African Sugar J. 36:435,437, 439,441,443. July 1952. 65.8 So8

1923 JOHNSON, H. P. H. Beet receiving. Crystal-ized Facts Sugar Beets 6(4):10-12. Oct.1952. 66.8 C88
Sugar beet harvesting.

1924 KENNEDY, H. Benefits obtained by timely and proper handling of the beet crop during the spring operations. Crystal-ized Facts Sugar Beets 6(4):28-29. Oct. 1952. 66.8 C88

1925 LEACH, L. D. Sugar beets in Danish Agriculture. Crystal-ized Facts Sugar Beets 6(4):5-8. Oct.1952. 66.8 C88

1926 LIASHENKO, E. High yield varieties of sugar beets. (In Russian.) Kolkhoz. Proizvodstvo 12(6):61. June 1952. 281.8 K83

1927 LIMA, P. DE O. Considerations on the culture of sugarcane. (In Portuguese.) Bras. Açucareiro 39: 464-478. May 1952. 65.8 B73

1928 MARTSUN, M. A. How we grew high yields of sugar beets. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:35-37. Mar.1952. 20 D742

1929 MISCHLING, F. Zuckerrübenernte. Bauer 5(33):14-15. Sept.27,1952. 19 B32

1930 MORDASHEV, G. S. Utilization of leading [cultural] practices on the [sugar] beet state farms. (In Russian.) Sakh. Promysh. 26(8):34-36. Aug.1952. 65.8 Sa2

1931 OCHERETIANYĬ, V. A. Effect of thickness of planting [sugar] beets grown for seeds on natural qualities of seeds. (In Russian.) Sakh. Promysh. 26(7):42-44. July 1952. 65.8 Sa2

1932 PETERSON, H. B. Plow and fertilize in the fall. Sugar Beet 10(7):18-19. Sept.1952. 66.8 Su34B

1933 PINTO F., R. J. Principales aspectos con los cuales se experimenta actualmente en caña de azucar. Col. de Ingen. Agron. 4:36-38. 1951. 58.9 C82

1934 POPOV, A. V. New methods of improvement of sugar beet varieties in the process of selection. (In Russian.) Selek. i Semen. 19(6):30-36. June 1952. 61.9 Se5

1935 RAMOS NUÑEZ, G. La caña de azúcar. Rev. Nac. de Agr. 46(569):9-11,13-15,17-19,21-22. Sept. 1952. 9.4 R32

Culture.

1936 RHODES, D. E. The value of timely planting of sugar beets in the Imperial Valley. Crystal-ized Facts Sugar Beets 6(4):17. Oct.1952. 66.8 C88

1937 RIOLLANO, A. Algunos aspectos econômicos del cultivo de la caña. Caña y Azúcar 1(3):19-21. June 1952. 65.8 C163

1938 SCHAFMEYER, H. Bericht über die zuckerrübentechnikertagung der forschungsstelle für zuckerrübenbau. Zucker 5:355-357. Aug.15,1952. 65.8 Z82

1939 SOCIETE D'ENTREPRISES COMMERCIALES EN EGYPTE. SERV. AGRONOMIQUE. La culture de la canne à sucre en Egypte. Alexandrie,1952. 105 p. 65 So12

1940 STOKES, I. E. Improvements in portable apparatus used for weighing sugar cane in agronomic experiments in the United States. Internatl. Soc. Sugar Cane Technol. Proc. 7:325-327. 1950,pub.1951. 65.9 In84

1941 TAIWAN SUGAR EXPERIMENT STATION. DIV. OF BREEDING AND SELECTION. The '48 series of P. T. seedlings. (In Japanese.) J. Sugarcane Res. 6:115-123. June 1952. 65.8 J822

English summary.

1942 ULRICH, A. Variety trials; sugar beets compared for growth, sugar content in controlled chambers. Calif. Agr. [Calif. Sta.] 6(9):5. Sept.1952. 100 C12Cag

1943 UTAH-IDAHO SUGAR CO. Report of experimental work. Salt Lake City,1951. 65 p. 66.9 Ut1R

1944 WILLCOX, O. W. Is hybrid vigor sustained? Sugar 47(10):40-41. Oct.1952. 65.8 F11

Tobacco

1945 ACOSTA JIMÉNEZ, R. Algunas experiencias en tabaco. Col. de Ingen. Agron. An. 4:63-72. 1951. 58.9 C82

1946 ALCARAZ MIRA, E. Estudios del crecimiento de algunas variedades de tabaco. Spain. Inst. Nac. de Invest. Agron. B. 12:1-55. June 1952. 105.6 Sp14

English summary.

1947 BEAKA, H. M. Pridnostite na ranoto sadenje na tutunot [Advantages of early planting of tobacco]. Bitola,1951. 110 p. 69 B35P

1948 COLLINS, J. C. Harvesting, curing, grading and baling flue-cured Virginia tobacco. North. Rhodesia. Dept. Agr. B. 1,26 p. 1951. 24 R343B

1949 CUTHBERTSON, H. Varieties of tobacco as grown at Tilty, 1948-50. Dunmow,Tilty Abbey P.,1951. 32 p. (The Smoker Annual,1951) 69 C97

1950 DEĬMONTOVICH, B. I. Cigar wrapper tobacco in the Briyansk Region. (In Russian.) Tabak 13(2):22-24. Mar./Apr.1952. 69.8 T112

1951 GISQUET, P., and HITIER, H. La production du tabac: principes et méthodes. Paris,Baillière,1951. 438 p. Ref. (Nouvelle Encyclopédie Agricole) 69 G44

1952 GORSHELEV, I. S. Eighty-five centners of industrial Aztec tobacco per hectare. (In Russian.) Tabak 13(3):45-47. May/June 1952. 69.8 T112

1953 HANEY, T. G. The prevention of sucker growth of tobacco after topping; experiments with mineral oils. West. Austral. Dept. Agr. J. (ser.3)1:571,573-574. July/Aug.1952. 23 W52J

1954 IAKOVUK, A. S. Principles of seed growing for tobacco and Aztec tobacco. (In Russian.) Tabak 13 (2):19-22. Mar./Apr.1952. 69.8 T112

1955 KADAM, B. S., ANANTHARAMAN, R., and RADHAKRISHNAMURTY, B. Harrison special variety in Northern Circars. Indian Tobacco 2:81-87. Apr./June 1952. 69.8 In2

1956 KOLBASIN, P. I. Tobacco culture on a consolidated farm. (In Russian.) Tabak 13(3):39-41. May/June 1952. 69.8 T112

Hotbeds.

1957 KORBUT, N. F. Experiments in growing seedlings conducted by leaders in Aztec tobacco culture. (In Russian.) Tabak 13(2):5-10. Mar./Apr.1952. 69.8 T112

1958 LEES, C. B. Tobacco, native of America. Herbarist 17:14-19. 1951. 80 H41

1959 MIASISHCHEV, F. K. Tobacco girdling. (In Russian.) Tabak 13:55-56. Jan./Feb.1952. 69.8 T112

1960 PETROV, A. V. Experiments in raising tobacco seedlings on collective farms of the "Krasnodartabaksyr'e" (Krasnodar tobacco raw stock) trust. (In Russian.) Tabak 13(2):10-14. Mar./Apr.1952. 69.8 T112

1961 PETROV, A. V. In regard to agrotechnical norms for growing tobacco seedlings. (In Russian.) Tabak 13:46-48. Jan./Feb.1952. 69.8 T112

1962 POPOV, M. D., and BODUROV, D. T. Tîutîunoproizvodstvo [Tobacco production]. Sofiîa,Zemizdat, 1951. 219 p. 69 P812

1963 PUSHKAREVA, K. V. Intervarietal tobacco hybrids. (In Russian.) Tabak 13:52-55. Jan./Feb.1952. 69.8 T112

1964 STANKOVIĆ, I. De l'utilisation de l'hétérosis dans le but d'augmenter la productivité et d'améliorer la qualité de nos tabacs. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):153-169. 1952. 21.5 Y9

French summary.

1965 STINSON, F. A. Results of experiments conducted at the Tobacco Research Stations. 1949-1951. South.Rhodesia.Tobacco Res. Bd. B. 1,16 p. June 1952. 69.9 R34

1966 USHENKO, N. S. Experiments in obtaining large crops of Aztec tobacco. (In Russian.) Tabak 13 (3):48-49. May/June 1952. 69.8 T112

1967 WHITEHILL, W. M. The soverane herbe. Herbarist 17:5-13. Ref. 1951. 80 H41

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

1968 AMERICAN ASSOCIATION OF NURSERYMEN. Badge book, 1951. Washington,1951. 308 p. 225 Am329

1969 BECKER-DILLINGEN, J. Der beruf des gärtners. Unser Wegweiser im Obstbau-Gart.-Kleintierhof 7:147,166. July 1952. 18 Un7

1970 BECKETT, E. A lesson in transplanting. Gard. J. 2:146,155. Sept./Oct.1952. 80 G1635

Includes trees and shrubs.

1971 BETTER HOMES AND GARDENS. Gardening guide. Ed. and rev. by G. Neff. Des Moines,Meredith, 1952. 186 p. 90 B463

1972 BOFF, C. The big book of gardening; a comprehensive guide for the home gardener, giving all necessary advice on the culture of flowers, vegetables and fruit. London,Odhams,1952? 575 p. 90 B638

1973 BREVES, J. Steigerung des verkaufsrisikos in den baumschulen. Deut. Baumsch. 4:258-260. Sept. 1952. 80 D486

Fruit and ornamental plants.

1974 CHASE, J. L. H. Commercial cloche gardening. London,Faber & Faber,1952. 208 p. 90.13 C382Co

1975 CLARK W. H. Gardening the small place; with drawings by H. Sahlin. Boston,Little,Brown,1952. 247 p. 90.1 C54

1976 CULTIVO de la uva y campaña sobre tabaco y cacao. Rev. Agr. y Ganad. 13(151):10-14,16. Aug. 1952. 9.4 R327

1977 DANIELS, F. P. Horse-sense horticulture. Long Lake,Minn.,Minnetonka Pub.,1952. 104 p. 90.1 D22

1978 DECKER, S. Horticultura. Ed. 2, rev. and enl. São Paulo,Edições Melhoramentos,1951? 188 p. (Biblioteca Criação e Lavoura 7) 90 D352

1979 DOUMONT, L. Termes utilisés pour désigner les moyens de propagation végétative et leur définition. B. Hort. (n.s.)7:237-239. Aug.1952. 80 B873

1980 FAIRCHILD TROPICAL GARDEN. Fourteenth annual report for the year ending October 31,1951. Coconut Grove,1952. 14 p. 451 F16R

1981 FLORIDA STATE HORTICULTURAL SOCIETY. Proceedings, sixty-third annual meeting held at Winter Haven, October 31, November 1 and 2, 1950. Orlando, 1951. 273 p. 81 F66

1982 FLORIDA STATE HORTICULTURAL SOCIETY. Proceedings, sixty-fourth annual meeting, held at West Palm Beach, October 30, 31, and November 1, 1951. De Land,1952. 296 p. 81 F66

1983 FOLKVORD, I. Nurseries in Rogaland. (In Norwegian.) Gartneryrket 42:599-600. Aug.27,1952. 80 G1938
Includes forest and fruit nurseries.

1984 FOLLEY, R. R. W. Economics and horticulture. III. Fruit Grower 2960:499-500. Sept.18,1952. 80 F941

1985 FOSSUM, M. T. Horticulture's place in America today. Amer. Nurseryman 96(7):14,76-78. Oct.1,1952. 80 Am371

1986 FREE, M. Bury a root and dig a new plant. Home Gard. 20(4):48-49. Oct.1952. 80 H756

1987 FREE, M. 32 jobs for a coldframe. Home Gard. 20(4):13-16. Oct.1952. 80 H756

1988 GLASAU, F. Die entwicklung des schleswig-holsteinischen baumschulgebietes. Deut. Baumsch. 4:254-258. (Concl.) Sept.1952. 80 D486

1989 GURI, A. "News Chronicle" gardening book. London,"News Chronicle" P.,1952? 254 p. 90 G962

1990 HAHN, B. Dein garten wächst mit dir, vom kinderbeet zum wohngarten; das gartenbuch für die familie. Ravensburg,Maier,1952. 162 p. 90.1 H12

1991 HANSELL, D. E. Sea Breeze Farm: unusual plant material abounds in this fabulous Virginia garden. Flower Grower 39(12):14-16. Dec.1952. 80 M72

1992 HEGGDAL, R. Our market garden and garden production to-day, objectives and measures. (In Norwegian.) Norsk Hagetid. 68:148-153. Sept.1/15,1952. 80 N81

1993 HELLYER, A. G. L. The horticultural exhibitors' manual. London,Collingridge,1952. 335 p. 90.08 H36

1994 HELLYER, A. G. L. New gardening techniques. Country Life [London] 112:930-931. Sept.26,1952. 80 C83

1995 HURD, A. INEAC [Institut National pour l'Etude Agronomique du Congo Belge]. Progress [London] 42(235):43-48. Summer 1952. 280.8 P949

1996 KUZNETSOV, P. A. Michurinite fruit growers in the Kostroma Region. (In Russian.) Sad i Ogorod 7: 75-76. July 1952. 80 Sa13
Fruit and flowers.

1997 LERUM, A. Horticulture in Nordfjord. (In Norwegian.) Norsk Hagetid 68:160-163. Sept.1/15,1952. 80 N81

1998 LISAVENKO, M. A. History of Russian horticulture: M. V. Rytov. (In Russian.) Sad i Ogorod 4:26-29. Apr.1952. 80 Sa13

1999 LIVINGTON, B. We make a men's garden club tick. Fla. State Hort. Soc. Proc. 63:215-217. 1950,pub. 1951. 81 F66

2000 MCELWEE, E. W. Improving nursery practices. Amer. Nurseryman 96(10):10,42-43. Nov.15,1952. 80 Am371

2001 MACSELF, A. J. The amateur's greenhouse. Ed. 4, rev. London,Collingridge,1952. 302 p. 90.13 M242

2002 MERFIELD. Cloche culture. Orchardist New Zeal. 25(7):27,29. Aug.1952. 80 Or19

2003 MINGUZZI, L. Anticipation of the spring horticultural harvest. (In Italian.) Humus 7(2):22-23. Feb.1952. 16 H88
Italy.

2004 MOUNTS, M. U. A review of horticultural developments in Palm Beach County. Fla. State Hort. Soc. Proc. 64:24-29. 1951,pub.1952. 81 F66

2005 NIWA, T., and HANAJIMA, T. Engei nyomon [Guide to gardening]. Tokyo,Kawazu Shoten,1951. 318 p. 90.1 N64

2006 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. 4-H horticulture projects; truck gardening, gardening, fruit. Okla. Agr. Col. Ext. C. 316,15 p. n.d. 275.29 Ok41C

2007 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION HORTICULTURE DEPT. Fall gardening. Okla. Agr. Col. Ext. C. 486,3 p. n.d. 275.29 Ok41C

2008 OSIPOV, V. S. Quality of seeds and their processing for sowing. (In Russian.) Sad i Ogorod 4:40-41. Apr.1952. 80 Sa13
Garden crops.

2009 ØSTERUD, E. The school garden work—a suitable pedagogical instrument. (In Norwegian.) Norsk Hagetid. 68:173-175. Oct.1,1952. 80 N81

2010 PARKER, R. D. City gardeners find health, recreation in community project. Horticulture 30: 389,402. Oct.1952. 80 H787

2011 PILCHER, G. A. Cloches in autumn and winter. Gard. Chron. 132:124-125. Sept.27,1952. 80 G162

2012 POMOLOGICAL AND FRUIT GROWING SOCIETY OF THE PROVINCE OF QUEBEC. Annual report,1950. Montreal,1951. 153 p. 82 Q3

2013 REITZ, J. W. Responsibilities of agriculture agencies to Florida horticulture. Fla. State Hort. Soc. Proc. 64:14-19. 1951,pub.1952. 81 F66

2014 ROBERTS, P. Radio garden clubs. Fla. State Hort. Soc. Proc. 63:213-215. 1950,pub.1951. 81 F66

2015 RODRIGO, P. A., and BARTOLOME, R. A review of the work in horticulture. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.58-90. Ref. Manila,Graphic House,1952. 37 P533

2016 ROGERS, R. J. Annual testing of fruit growers' thermometers. Calif. Citrog. 37:472. Oct.1952. 80 C125

2017 SAKURA, K. Engeika hikkei [Handbook for the gardener]. Ed. 3, rev. Tokyo,Yokendo,1951. 505 p. 90.1 Sa22

2018 SANDERS, T. W. Sanders' encyclopaedia of gardening. Ed. 22, rev. by A. G. L. Hellyer. London, Collingridge,1952. 526 p. 90.01 Sa5

2019 SCHILLING, K. Lebensgemeinschaften der gartenpflanzen; ertragssteigerung im gartenbau auf biologischem wege. Berlin,Landbau- Verlag,1951. 61 p. 463.8 Sch32

2020 SHEWELL-COOPER, W. E. The A.B.C. of cloche gardening. London,Eng. U. Press,1952. 174 p. (The ABC of Gardening Books) 90.13 Sh5Ac

2021 SHEWELL-COOPER, W. E. Propagation—layers and cuttings. Estate Mag. 52:380-382. Sept.1952. 10 Es8

2022 SKULJ, A. In gardening, too, rotation is necessary. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:22-23. Jan.1952. 21.5 Sa1

2023 STALINABAD. TADZHIKSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PLODO-VINOGRADNOGO I OVOSHCHNOGO KHOZIAISTVA. Plodovodstvo, vinogradarstvo i ovoshchevodstvo v Tadzhikistane [Fruit, grape, and vegetable culture in Tadzhikistan]. Stalinabad,Tadzhikgosizdat,1951. 155 p. 93.28 St1

2024 STEPHENS, T. A. My garden's bedside book. Guildford, Surrey, Eng.,My Garden,1951? 128 p. 90.52 St4

2025 SUDELL, R. The labour-saving garden. London,Ward,Lock,1952. 96 p. 97 Su2L

2026 TRIP, J. The Engelum nursery. (In Dutch.) Friesch Landbbl. 49:29. Sept.24,1952. 12 F91

2027 WALKDEN, G. B. Gardening in pictures. London,Collingridge,1952. 96 p. 90.1 W15

2028 WHITE, R. R. Management of glasshouses. New Zeal. J. Agr. 85:109,111,113. Aug.15,1952. 23 N48J

2029 WHITEHEAD, S. B. Everyman's encyclopaedia of gardening. London,Dent,1952. 786 p. 90.01 W58

2030 WRIGHT, R. A century of catalogues. Flower Grower 39(12):10-12. Dec.1952. 80 M72

Fruits--General

2031 ARAKEL'IAN, U. G. Utilization of local binding material in budding. (In Russian.) Sad i Ogorod 7: 72. July 1952. 80 Sa13
Fruit.

2032 BOBB, A. C. The need for orchard pruning. Rur. New-Yorker 102:548-549. Sept.6,1952. 6 R88

2033 BRANKOVIĆ, M. More cautions in orchard plantings. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:66-67. Mar.1952. 21.5 Sa1

2034 BRASE, K. D. Propagation of fruit trees by budding. Farm Res. [N. Y. State Sta.] 18(3):8-9. July 1952. 100 N48A

2035 BREZINA, R. Neue erkenntnisse im rauhlagenobstbau. Gart.-Z. Illus. Flora 75:109-110. Oct.1952. 80 G1991
Austria.

2036 COUCHMAN, R. Placer's top of the world orchards highly productive. West. Fruit Grower 6(9): 23-24. Sept.1952. 95.8 G762

2037 DUBROVA, P. F., and others. Prospects for developing fruit growing in the regions of great Communist activity. (In Russian.) Sad i Ogorod 6:8-11. June 1952. 80 Sa13
T. I. Gorin, S. D. Sukhenko, V. P. Fedorenko, A. A. Prussakov, and P. E. TSekhmistrenko, joint authors.

2038 DUKA, S. New fruit varieties for Ukrainian SSR. (In Russian.) Kolkhoz. Proizvodstvo 12(8):55-56. Aug.1952. 281.8 K83

2039 FRIEDRICH, G. Die derzeitige lage im obstbau und die möglichkeiten zur ertragssteigerung durch den obstbauentwicklungsplan in der DDR. Deut. Landwirt. 3:494-496. Sept.1952. 18 D4822
Russian Zone.

2040 GAREEV, E. Z., and ARAKEL'IAN, U. G. Michurinskie sorta plodovykh rasteniĭ v Kirgizii [Michurinite varieties of fruit plants in Kirghizia]. Moskva, Akademiia Nauk SSSR,1951. 101 p. 93.28 G17

2041 GENTILE, G. Again on planting fruit. (In Italian.) Frutticolt. Campana 1(20):1,3. Oct.20,1951. 80 F9474

2042 GENTILE, G. Planting fruit trees. (In Italian.) Frutticolt. Campana 1(18):1;(19):1. Sept.20-Oct.5,1951. 80 F9474

2043 HOWARD, J. Your young orchard. Amer. Fruit Grower 72(10): 8-9. Oct.1952. 80 G85

2044 IANES, V. G. Budding. (In Russian.) Sad i Ogorod 7:32-34. July 1952. 80 Sa13
Fruit.

2045 IL'INSKIĬ, A. A. Fruit culture on an extensive collective farm. (In Russian.) Sad i Ogorod 4:21-23. Apr.1952. 80 Sa13

2046 KARANIAN, P. G. Removing thorns from fruit seedlings with surgery scissors. (In Russian.) Sad i Ogorod 3:74. Mar.1952. 80 Sa13

2047 KLEIN, K. Obstbauförderung winter 1952/53. Kärntner Bauer 102:527-529. Oct.1,1952. 19 K14

2048 KOCHETKOV, I. P., and ROSSOSHANSKAIA, V. A. Fruit orchards on collective farms. (In Russian.) Sad i Ogorod 9:10-13. Sept.1952. 80 Sa13

2049 KOLESNIKOV, V. A. Root system of fruit plants and agricultural technique in obtaining large crops. (In Russian.) Sad i Ogorod 9:27-30. Sept.1952. 80 Sa13

2050 KONOPLEV, N. A. Development of large-scale commercial fruit orchards on collective farms. (In Russian.) Sad i Ogorod 3:24-27. Mar.1952. 80 Sa13

2051 KRAVCHENKO, P. I., GORDIENKO, N. I., and CHALYĬ, A. A. Fruit orchard on the Ordzhonikidze (Yenakiyevo) collective farm. (In Russian.) Sad i Ogorod 9:13-17. Sept.1952. 80 Sa13

2052 KRIACHKOV, P. IA. Leaders in alpine fruit growing. (In Russian.) Sad i Ogorod 6:36-38. June 1952. 80 Sa13

2053 LAUBER, H. J. Die entwicklung des dänischen erwerbsobstbaues in den letzten 25 jahren. Schweiz. Z. f. Obst- u. Weinbau 61:381-385. Sept.20,1952. 80 Sch9

2054 LENDERS, T. Anleitung zum obstbau, nebst anleitung zum gemüsebau für den eigenbedarf, von Langer, und anhang: häusliche obst- und gemüseverwertung. Ed. 3, enl. Braunschweig,Serger & Hempel,1951. 192 p. 93.26 L54

2055 LIPOVEC, J. A visit to our cooperative fruitgrowers. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:13-17. Jan.1952. 21.5 Sa1

2056 LOKSHIN, G. M., and BORISEVICH, V. M. Experimental work of fruit nurseries in the Omsk Region. (In Russian.) Sad i Ogorod 7:34-37. July 1952. 80 Sa13

2057 LUKMAN, F. Orezivanje voćaka [Fruit pruning]. Beograd,Zadruža Knjiga,1951. 102 p. (Praktična Poljoprivredna Knjiga) 93.5 L963

2058 MALINKOVSKIĬ, V. V. Plodovyi pitomnik [Fruit nursery]. Moskva,Gos. Izd-vo Selkhoz Lit-ry, 1952. 363 p. 93.28 M29

2059 MAMONTOV, V. A. Organization of large-scale, industrial fruit growing in the Ryazan Region. (In Russian.) Sad i Ogorod 9:8-9. Sept.1952. 80 Sa13

2060 MATINIAN, N. I. Fruit trees in making Leningrad green. (In Russian.) Sad i Ogorod 7:37-39. July 1952. 80 Sa13

2061 MIRZAEV, M. M., and KOVALEV, N. V. Industrial fruit culture in the area of the main Turkmenian Canal. (In Russian.) Sad i Ogorod 4:5-8. Apr.1952. 80 Sa13

2062 MIŠIĆ, P. D. Some problems of the production of fruit sowing material. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):17-18. July 1952. 21.5 V87

2063 MOMIROVSKI, J., and KOĆKOVSKI, Z. Ovoštarstvo [Fruit culture]. Skopje? "Zadružen Život," 1951? 184 p. 93.27 M732

2064 NORBURY, C. P. Modern developments in fruit growing. Roy. Soc. Arts. J. 100:719-734. Sept.5, 1952. 501 L847J
Includes discussion.

2065 NOVAK, F. Some standards for tree production. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:35-38. Feb.1952. 21.5 Sa1

2066 PINDUR, W. Der baumwärter, ein gelernter beruf der landwirtschaft. Mitt. f. die Arb. u. Angestellten in der Land- u. Forstwirt. 4:1. July 12,1952. 283.8 M69
Fruit culture.

2067 PLOCK, H. Erfolge im obstbau?—nur durch anbauplannung! Unser Wegweiser im Obstbau-Gart.-Kleintierhof 7:198,215. Sept.1952. 18 Un7
Germany.

2068 POPOV, V. New varieties of fruit and berry crops. (In Russian.) Kolkhoz. Proizvodstvo 12(6):59-60. June 1952. 281.8 K83

2069 POPOVA, E. M. The wild growing fruits and berries of the North [U.S.S.R.]. (In Russian.) Priroda 41(7):108-109. July 1952. 410 P933

2070 POPOVIĆ, D. I. Nega voćaka [Fruit culture]. Beograd,Zadružna Knjiga,1951. 44 p. (Praktična Poljoprivredna Knjiga) 93.27 P81

2071 PRIOL, J. About the most important forms of our fruit cultivation. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:33-35,65-66. Feb.-Mar.1952. 21.5 Sa1

2072 PRIOL, J. About the results of our trials with tree-producers. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:129-131. May/June 1952. 21.5 Sa1

2073 QUEBEC POMOLOGICAL AND FRUIT GROWING SOCIETY. Annual report, 1951. Montreal, 1952. 120 p. 82 Q3

2074 REBOUR, H. L'arboriculture fruitière en Afrique du Nord. Elevage et Cult. 4(44):2-7. Aug.1952. 24 EL2

2075 REBOUR, H. L'actualité en matière d'arboriculture. Elevage et Cult. 4(45):17-18. Sept. 1952. 24 EL2
Algeria.

2076 RIERA, F. J. La poda en verde de los frutales. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 6-52 H,8 p. Mar.1952. 15 H68

2077 RIERA, F. J. La poda en verde de los frutales. Vinos, Viñas y Frutas 46(562):73-74. July 1952. 9 Ag89

2078 ROSSOSHANSKAIA, V. A. Discussion concerning pruning fruit and berry plants. (In Russian.) Sad i Ogorod 7:47-50. July 1952. 80 Sa13

2079 SALYNSKIĬ, F. S. Time of year for planting wild plants. (In Russian.) Sad i Ogorod 3:74. Mar.1952. 80 Sa13
Fruit for nurseries.

2080 SANTAMARIA P., R. La poda de los frutales. Tierra [Mexico] 7:603-605. Sept.1952. 8 T445

2081 SAUPERL, A. Why rejuvenation of fruit trees does not succeed. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:44-45. Feb.1952. 21.5 Sa1

2082 SERGEEV, L. I. Biological analysis of the yearly cycle of development of fruit cultures and its importance. (In Russian.) Selek. i Semen. 19(5):27-33. May 1952. 61.9 Se5

2083 SIPOVICH, V. V. Rehabilitation of wild-growing fruits in Uzbekistan. (In Russian.) Lesn. Khoz. 5:46-48. Jan.1952. 99.8 L5622

2084 ŠKVARĆ, T. Orderly tree cultivation - the foundation of future fruit growing. (In Serbo-Croatian.) Sadjarstvo Vinarstvo in Vrtnarstvo 4:12-13. Jan.1952. 21.5 Sa1

2085 SOKOLOV, G. A. Forest orchards of Taurida. (In Russian.) Priroda 41(6):88-97. June 1952. 410 P933

2086 SYNDIKUS, W. Erfolge einer obstbautreibenden stadt; uberraschende, richtungweisende ertragszahlen. Unser Wegweiser im Obstbau-Gart.-Kleintierhof 7:30. Feb.1952. 18 Un7
Germany.

2087 SYNDIKUS, W. Thema ohne ende: die baumruinen. Unser Wegweiser im Obstbau-Gart.-Kleintierhof 7:106. May 1952. 18 Un7
Fruit pruning.

2088 TASCHENBUCH für den obstbau, 1952. Holzminden,Trowitzsch,1952. 288 p. 90.04 T18

2089 TERRY, H. B. Effect of pruning on production. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 29(3):36-37. Aug.1952. 24 T684
Fruit.

2090 TRAUSSNIG, A. Die gemeindebaumwärter—eine vielbewährte einrichtung im Lavanttal. Kärntner Bauer 102:485. Sept.1,1952. 19 K14
For fruit production improvement.

2091 TUKEY, H. B. Try planting 100 dwarf fruit trees. Amer. Fruit Grower 72(10): 7,18-19. Oct.1952. 80 G85

2092 TUNEU, R. Variedades de frutales para el Uruguay. Asoc. Rur. del Uruguay. Rev. 79(9):96-100. Sept.1952. 9.9 As5

2093 TURIN. OSSERVATORIO PIEMONTESE DI FRUTTICOLTURA, A. GEISSER. Corso razionale di frutticoltura [Rational course in fruit culture]. Torino, Salute,1951? 128 p. 93.27 T84

2094 TUROV, I. IA. Development of fruit culture at Sakhalin. (In Russian.) Sad i Ogorod 3:76. Mar.1952. 80 Sa13

2095 VELKOV, V., and others. Ovoshtarstvo [Fruit growing]. Sofiia,Zemizdat,1951. 2 v. 93.27 V54
D. Boikov, E. Popov, and T. Zakov, joint authors.

2096 WIESENHOFER, F. Behandlung umveredelter bäume. Kärntner Bauer 102:182-183. Mar.15,1952. 19 K14
Fruit tree pruning.

2097 YAGISAWA, S. Tsukibetsu kaisetsu kaju engei [Fruit tree cultivation month by month], v. 1. Tokyo,Shiyo Shobo,1951. 388 p. 93.28 Y1

2098 ZHUCHKOV, N. Starting orchards on wet soils. (In Russian.) Kolkhoz. Proizvodstvo 12(8):26-27. Aug.1952. 281.8 K83

2099 ZWINTZSCHER, M. Gesundes obst; resistenzzüchtung als mittel zur ertragssicherung und ertragserhöhung im obstbau. Übersicht 3(9):49-55. Sept.1952. 18 Ub3
Germany.

Fruits--Citrus and Subtropical

2100 AMBROSE, C. The root system of the coconut palm. Ceylon Coconut Q. 3:15-19. Jan./Mar.1952. 77.8 C33

2101 BANTA, E. S. Behold! the lychee. Amer. Fruit Grower 72(10):10-11,20-21. Oct.1952. 80 G85

2102 BATCHELOR, L. D., and BITTERS, W. P. High quality citrus rootstock; Cleopatra mandarin, Troyer citrange rootstocks produce quick-decline tolerant trees bearing high-quality fruit. Calif. Agr. [Calif. Sta.] 6(9):3-4. Sept.1952. 100 C12Cag

2103 BESTBIER, N. A. B. Certain implications of variations in the organisation and management of citrus orchards. Citrus Grower 223:3,5-6. (Concl.) Aug.31,1952. 80 C495

2104 BROOKS, F. A., RHOADES, D. G., and LEONARD, A. S. Frost protection tests with wind machines. Calif. Citrog. 38:4-5,17. Nov.1952. 80 C125

2105 BROOKS, F. A., RHOADES, D. G., and LEONARD, A. S. Wind machines; 90 and 15 bhp machines compared for frost protection at Riverside. Calif. Agr. [Calif. Sta.] 6(8):7-8. Aug.1952. 100 C12Cag

2106 BUEÑO, C. DEL. San Miguel de Tecolutla, orange plantation in Veracruz, Mexico. (In Portuguese.) Fazenda 47(9):36-37. Sept.1952. 6 H11P

2107 CALAVAN, E. C., and SUFFICOOL, J. R. Renewing lemon trees. Calif. Citrog. 38:2-3,14-17. Nov.1952. 80 C125

2108 CAMERON, A. E. Pruning: late spring, early summer attention favored for light-cropped Valencias and Mandarins. Citrus News 27,i.e.28:102. July 1952. 80 C494

2109 CHKHOTUA, E. S. Growing lemons on their own roots as a means of restoring their health. (In Russian.) Sad i Ogorod 6:52-53. June 1952. 80 Sa13
Failure of trifoliate orange rootstocks.

2110 CROCE, F. M. Poda del níspero europeo. Vinos, Viñas y Frutas 46(562):75-76. July 1952. 9 Ag89

2111 CROCE, F. M. Poda del nispero japonés. Vinos, Viñas y Frutas 46:519. June 1952. 9 Ag89

2112 DE WET, H. Sub-tropical fruits for the coastal areas. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 29(3):49-50. Aug.1952. 24 T684
Transkeian Territories.

2113 DIJKMAN, M. J., and SOULE, M. J., JR. A tentative method of mango selection. Fla. State Hort. Soc. Proc. 64:257-262. Ref. 1951,pub.1952. 81 F66

2114 DRIAGINA, I. V., and GAZOVSKAIA, N. I. Importance of summer shading of citrus plants in Crimea. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):20-24. Ref. 1952. 20 Ak1

2115 FAIRCLOTH, E. V. The future of tropical and sub-tropical fruits in Florida. Fla. State Hort. Soc. Proc. 63:247-248. 1950,pub.1951. 81 F66

2116 FRIGERIO, J. C. Desarrollo del olivo en el Oeste de Buenos Aires. Pampa Argentina 25(297):20-21. Sept.1952. 9 P19
Culture.

2117 GODFREY, G. H. Citrus nursery tree certification program in south Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1477,3 p. July 19,1952. 100 T31P

2118 GROFF, G. W., and LIU, S. Y. Describing Florida varieties of Lychee. Fla. State Hort. Soc. Proc. 64:276-281. Ref. 1951,pub.1952. 81 F66

2119 GROVE, W. R. Tropical and sub-tropical fruits in Florida. Fla. State Hort. Soc. Proc. 64:248-251. 1951,pub.1952. 81 F66

2120 HOWELL, M. Some results in hedging trees. Citrus Indus. 33(11):5-7. Nov.1952. 80 C49

2121 HUGHES, T. J. Citrus and poultry institutes at McQuarrie timely. Fla. Grower 60(10):18,22. Oct. 1952. 80 F6622

2122 IVANOVSKAIA, T. L. Fruit-bearing of a lemon seedling under conditions of the City of Moscow. (In Russian.) Agrobiologiia 4:131-133. July/Aug.1952. 20 Ag822

2123 JACOBONI, N. Visions of olive-producing Spain. (In Italian.) Italia Agr. 89:539-546. Aug.1952. 16 It1
Culture.

2124 JOHNSTON, J. C. Citrus fruit for the home orchard. Calif. Agr. Expt. Sta. C. 409,14 p. Apr.1952. 100 C12S

2125 KAPTSINEL', M. A., and NESTERENKO, G. A. Fundamental questions of growing citrus fruits in new regions. (In Russian.) Sad i Ogorod 6:49-52. June 1952. 80 Sa13

2126 KIMURA, M. Kaki hen [The persimmon]. Tokyo,Yokendo,1951. 225 p. 93.39 K57

2127 KOTLER, J. The olive tree and its yield. (In Hebrew.) Hassadeh 32:475-477. July 1952. 26 H27

2128 KREIDER, H. H. Smyrna figs. Grocer Mon. Sup. 3(9):12-13. Sept.1952. 286.83 G896

2129 LAVRIICHUK, I. I. Accelerated discovery of new citrus varieties. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:52-54. 1951. 451 M854

2130 LUCIE-SMITH, M. N. Citrus production in Trinidad. Port-of-Spain,1951. 19 p. 93.33 L96

2131 LUGARD, J. G. El cultivo del mango en Indonesia. Agr. Trop. 8(9):15-16. Sept.1952. 26 Ag8

2132 LYNCH, S. J., and NELSON, R. Additional notes on mango budding. Fla. State Hort. Soc. Proc. 63: 266-268. 1950,pub.1951. 81 F66

2133 MARINUCCI, M., and JACOBONI, N. Le renouvellement du feuillage de l'olivier au moyen de l'"annullation." Feuilles d'Inform. Oléicoles Internatl. (n.s.)12:56-64. Mar./Apr.1952. 80 F43
English summary.

2134 MARLOTH, R. H. Why not double plant citrus? Farming So. Africa 27:369-370. July 1952. 24 So842

2135 MARSICO, D. F. Zonas de la Provincia de Cordoba aptas para el olivo; variedades aconsejadas, poda. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 3(30):8-9. Dec.1951. 9 Ar35

2136 MERZARI, A. H. Normas para una buena explotación olivicola. Chacra 22(263):30,54. Oct.1952. 9 C34
Argentina.

2137 MITCHELL, P. The pineapple plantation in spring. Queensland Fruit & Veg. News 2(40):15-17. Aug.15,1952. 280.38 Q3

2138 MOUNTS, M. U. Monthly meetings on tropical and sub-tropical fruits. Fla. State Hort. Soc. Proc. 63: 220-222. 1950,pub.1951. 81 F66

2139 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF HORTICULTURE. Heavy "drop" of citrus fruit; influence of tree health, by R. J. Benton. Sydney,1952. 2 p. 464.06 N47

2140 OCHSE, J. J., and REARK, J. B. The propagation of sub-tropical fruit plants by cuttings, a progress report. Fla. State Hort. Soc. Proc. 63:248-251. Ref. 1950,pub.1951. 81 F66

2141 OCHSE, J. J., and REARK, J. B. Propagation of subtropical fruits. Subtrop. Gard. 5(6):5,11. 80 Su13

2142 POPENOE, W. Notes from Honduras. Fla. State Hort. Soc. Proc. 64:255-257. 1951,pub.1952. 81 F66
Avocados.

2143 PY, C. La réduction de la couronne d'ananas. Fruits 7:392-398. Aug./Sept.1952. 80 F9492

2144 REBOUR, H. La multiplication de l'olivier en Algerie-Tunisie. Feuilles d'Inform. Oléicoles Internatl. (n.s.)12:122-129. May/June 1952. 80 F43
English summary.

2145 REDŽIĆ, M. Contribution à l'etude des variétés de figuiers dans la zone subtropicale du Monténégro. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh za Poljoprivredne Nauka i Teh. 4(6):112-139. 1951. 21.5 Y9
French summary.

2146 REUTHER, W., and SMITH, P. F. Fertilization and quality of oranges. Citrus Mag. 15(2):31-32,34. Oct.1952. 80 C498

2147 ROCKWOOD, M. S. Experiments on a coconut estate. Ceylon Coconut Q. 3:27-29. Jan./Mar.1952. 77.8 C33

2148 RUTHERFORD, D. M. Citrus progress in Santa Barbara County. Calif. Citrog. 37:488-491,493. Oct.1952. 80 C125

2149 RUTHERFORD, D. M. Original combinations of heavy producing avocado trees. Calif. Citrog. 37: 494-495. Oct.1952. 80 C125

2150 SAFRAN, H. Vegetative propagation of guava. (In Hebrew.) Hassadeh 32:475. July 1952. 26 H27

2151 SCHULTZ, E. F. Almácigos de citrus. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(52):6-8. Apr.1952. 9 Id3

2152 SEELIG, R. A. Fruit & vegetable history: dates. Fruit & Veg. Rev. 14(8):12-13. Nov.1952. 80 C1224

2153 SIMMONDS, N. W. The germination of banana seeds. Trop. Agr. [St. Augustine] 29:35-49. Jan./Mar. 1952. 26 T754

2154 SOUZA, J. S. I. DE. Prospects and problems of fig culture. (In Portuguese.) Chacaras e Quintais 86:391-392. Sept.15,1952. 9.2 C34

2155 SOUSA, J. S. I. DE. Recommendations for avocado culture. (In Portuguese.) Chacaras e Quintais 86: 220-221. Aug.15,1952. 9.2 C34

2156 SPEER, H. L. Observations on tropical fruit in western Palm Beach County. Fla. State Hort. Soc. Proc. 64:264-266. 1951,pub.1952. 81 F66

2157 STAMBAUGH, S. U. Bananas in Florida. Tallahassee,Dept. Agr.,1951. 77 p. 93.42 St2

2158 STURROCK, D. Stem protection of young fruit trees from frost. Fla. State Hort. Soc. Proc. 64:262-264. 1951,pub.1952. 81 F66
Citrus.

2159 TOBLER, F. Die verwertung der fasern von stämmen der essbaren bananen. Mater. Veg. 1:113-118. Ref. July 1,1952. 64.8 M41

2160 WAIBEL, C. The program of certification of citrus budwood. Fla. State Hort. Soc. Proc. 64:39-42. 1951,pub.1952. 81 F66

2161 WARE, C. E. Tropical and sub-tropical fruits in Pinellas County. Fla. State Hort. Soc. Proc. 63: 245-247. 1950,pub.1951. 81 F66

2162 WOLFE, H. S. Twenty years after. Fla. State Hort. Soc. Proc. 63:240-245. 1950,pub.1951. 81 F66
Tropical fruits.

2163 ZERPA, D. Selección de semillas de lechoza. Agro [Maracay] 7(21):55-61. June/Aug.1952. 9.95 Ag83

2164 ZILL, L. H. Observations of some of the newer mangos during the year of 1950. Fla. State Hort. Soc. Proc. 63:219-220. 1950,pub.1951. 81 F66

Fruits--Deciduous

2165 AĬKAZ, D. Growing apricots on rocky slopes. (In Russian.) Sad i Ogorod 7:74-75. July 1952. 80 Sa13

2166 AOMORI-KEN, JAPAN. AOMORI HORTICULTURAL EXPERIMENT STATION. The original colour illustration of new apple varieties. (In Japanese.) Tokyo,1951. 60 p. 93.31 Ao52Oa

2167 ATKINSON, J. D. Revised list of temperatures dangerous to Moorpark and Roxburgh red apricots. Orchardist New Zeal 25(9):13. Oct.6,1952. 80 Or19

2168 AUBERT, P., and LUGEON, A. Arboriculture fruitière moderne. Ed. 4, rev. and enl. Lausanne,Payot, 1952. 366 p. 93.26 Au1

2169 BARTRAM, D. Washington apple and pear growers face orchard renewal problems. West. Fruit Grower 6(11):21-22. Nov.1952. 94.8 G762

2170 BATALOV, V. V., and SAFONOV, A. P. Fruit orchard upon a terrace, planted on the State farm "Ruch'i." (In Russian.) Sad i Ogorod 8:33-37. Aug. 1952. 80 Sa13
Apples.

2171 BAZIER, J. Arboriculture fruitière. B. Hort. (n.s.)7:243-244. Aug.1952. 80 B873

2172 BAZIER, J. Arboriculture fruitière. B. Hort. (n.s.)7:270-271. Sept.1,1952. 80 B873

2173 BISTI, E. G. Seasons and time when to plant fruit trees. (In Russian.) Sad i Ogorod 3:8-10. Mar. 1952. 80 Sa13

2174 BORISOGLEBSKIĬ, A. D., and ARKHIPOV, V. S. Valuable apple variety, the seedless Komsinskaĭa. (In Russian.) Sad i Ogorod 6:24-26. June 1952. 80 Sa13

2175 BREZINA, R. Kann fruchtbarkeit im obstbau erzwungen werden? Gart.-Z. Illus. Flora 75:101-102. Sept.1952. 80 G1991

2176 BULLOCK, R. M. Selecting an orchard location, site and soil. West. Fruit Grower 6(10):16-19. Oct.1952. 95.8 G762

2177 CARDINELL, H. A. Fan-style pruning. Plants & Gard. (n.s.)8:167-168. Summer 1952. 450 P694
Fruit trees.

2178 CARDINELL, H. A. Wedge pruning of fruit trees. Plants & Gard. (n.s.)8:162-163. Summer 1952. 450 P694

2179 CORRIERI JUNIOR, R. Revival of the quince. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(4):19-24. Apr.1952. 9.2 M663

2180 CRANE, H. H. Colour and finish in dessert apples. Gard. Illus. 69:263. Oct.1952. 80 G169
Culture.

2181 CROCE, F. Poda de fructificación del ciruelo europeo. Chacra 22(261):28,30. Aug.1952. 9 C34

2182 CROCE, F. M. Orientaciones para la próxima recolección de manzanas. Campesino [Santiago] 84(8):43, 45. Aug.1952. 9.3 So12
Chile.

2183 DE WET, A. F. Three new canning-peach varieties. Farming So. Africa 27:391-393. Aug.1952. 24 So842

2184 DYLEVSKIĬ, A. A. Local rootstocks of fruit trees for the main Turkmenian canal zone. (In Russian.) Sad i Ogorod 7:25-29. July 1952. 80 Sa13
Apples, pears, peaches.

2185 EGOROV, V. I. Results of discussion of questions concerning the forming and pruning of fruit trees. (In Russian.) Sad i Ogorod 7:3-24. July 1952. 80 Sa13
Chiefly apples.

2186 FEDORENKO, M. M. Work of Michurinites at the Kroscienko technical school in breeding new varieties. (In Russian.) Sad i Ogorod 6:21-24. June 1952. 80 Sa13
Apples, apricots and peaches.

2187 FRUIT INDUSTRY COMMITTEE. Recommended late varieties of apples for commercial planting in Illinois. n.p.,1951? 2 p. 93.31 F94

2188 GASTON, H. P. Thin-wood pruning of fruit trees. Plants & Gard. (n.s.)8:164-165. Summer 1952. 450 P694

2189 GAVRILOVIC, M. Die bodenmüdigkeit und die erscheinung der schwachen physiologischen affinität zwischen den unterlagen EM XVI und einigen amerikanischen apfelsorten. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):96-103. 1952. 21.5 Y9
German summary.

2190 GORIN, T. I. Fruit culture in the Stalingrad area. (In Russian.) Sad i Ogorod 8:6-10. Aug.1952. 80 Sa13

2191 GROVEN, I. Rootstocks for stone-fruit. (In Norwegian.) Gartneryrket 41:761-762. Nov.3,1951. 80 G1938

2192 HESSE, C. O. Apricot culture in California. Calif. Agr. Expt. Sta. C. 412,various pagings. Apr.1952. 100 C12S

2193 HILKENBAUMER, F. Das verhalten von apfelstammbildnern im jugendstadium unter verschiedenen mitteldeutschen standortverhältnissen. Züchter 22:193-206. Ref. 1952. 442.8 Z8

2194 HILL, H. Orchard management and fertility standards for Quebec apple orchards. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:81-84. 1950,pub.1951. 82 Q3

2195 HOLBECHE, J. A. Pruning the Packham's Triumph pear. Tasmanian Fruitgrower & Farmer 29 (347):23. July 1952. 23 T185

2196 ISAEV, S. I. New fall and winter apple varieties. (In Russian.) Sad i Ogorod 6:12-17. June 1952. 80 Sa13

2197 ISAEV, S. I. On developing apple varieties—spreading trees. (In Russian.) Sad i Ogorod 1:14-18. Jan.1952. 80 Sa13

2198 IVANOV, M. A. Formation of Rennets [apple variety]. (In Russian.) Sad i Ogorod 3:18-19. Mar. 1952. 80 Sa13

2199 KALASHNIKOV, A. P. Southern varieties of fruit trees in Bashkir. (In Russian.) Sad i Ogorod 6:26 29. June 1952. 80 Sa13

2200 KALMYKOV, S. The apple forests of Souther Kazakhstan. (In Russian.) Lesn. Khoz. 5:39-42. Jan. 1952. 99.8 L5622
Malus sieversii.

2201 KARTAVYKH, S. A. Question as to system to be used in formation of fruit trees. (In Russian.) Sad i Ogorod 3:14-15. Mar.1952. 80 Sa13
Apples.

2202 KAS'IANENKO, A. I. Rootstocks for fruit trees in the South Ukrainian canal zone. (In Russian.) Sad i Ogorod 7:29-31. July 1952. 80 Sa13
Apples, cherries, plums.

2203 KEUKEN, W. Pick carefully. (In Dutch.) Betuws Tuinbouwbl. 10(14):4. Sept.20,1952. 80 B464
Apples.

2204 KOLESNIKOV, M. A. Michurin variety of cherries in Krasnodar Territory. (In Russian.) Sad i Ogorod 7:40-41. July 1952. 80 Sa13

2205 KÖPPEL, K. Die umstellung auf qualitätserzeugung beginnt mit der entrümpelung und auflockerung der altbestände. Obstbau 71:132-133. Sept.1,1952. 80 Ob73
In fruit culture.

2206 KOSHELENKO, V. M. Preparation of fruit pits for planting. (In Russian.) Sad i Ogorod 8:37-39. Aug.1952. 80 Sa13
Cherry seeds.

2207 KVAALE, E. Experiments with fruit varieties, rootstocks, storage and breeding. (In Norwegian.) (Excerpts.) Norsk Hagetid. 68:169-172. Oct.1,1952. 80 N81

2208 LIEBSTER. Reformmassnahmen im deutschen obstbau. Obstbauberatungsring. Mittbl. 7(3):1-5. June 1, 1952. 85 Ob72
Apples.

2209 LIJSTEN, R. Apple growing in Germany. (In Dutch.) Fruitteelt 42:678-679. Sept.11,1952. 86 N28
Varieties.

2210 LOUVAIN, P. La culture du poirier et ses difficultés. Réveil Agr. 61:260-261. Sept.1,1952. 14 R322

2211 LUSTEN, R. What has been planted in 1951-1952. (In Dutch.) Fruitteelt 42:657-659. Sept.4,1952. 86 N28
Apples and pears.

2212 MAURER, K. J. Qualitätsmindernde klimaeinflüsse auf die frucht. Obstbau 71:133-134. Sept.1, 1952. 80 Ob73

2213 MAURER, K. J. Was lehrt uns der obstbau Hollands? Obstbau 71:131-132. Sept.1,1952. 80 Ob73

2214 MEURMAN, O. Rationell beskärning av fruktträd [Simplified pruning of fruit trees]. Stockholm, Natur och Kultur,1951. 143 p. 93.5 M572R

2215 MILESHKO, A. F. Crimean "sinaps" in apple selection. (In Russian.) Sad i Ogorod 6:73. June 1952. 80 Sa13

2216 MODENA, A. Varieties of peaches in the United States of America. (In Italian.) Italia Agr. 89:523-533. Aug.1952. 16 It1

2217 MONIN, A. Description et identification des variétés de cerisiers. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:276-326. 1951. 105.1 G285

2218 O'ROURKE, F. L. Root pruning. Plants & Gard. (n.s.)8:152-153. Summer 1952. 450 P694
Fruit trees.

2219 PADFIELD, C. A. S. Materials suitable for use as grafting mastics. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:179-185. Aug.1952. 514 N48A
For covering pruning wounds on fruit trees.

2220 PALLESEN, L. Fruit research and observation orchards during 40 years. (In Danish.) Gart.-Tid. 68:345-347. Sept.22,1952. 80 G192

2221 PELAEZ O., J. M. Siembra y poda del manzano. Rev. Nac. de Agr. 46(568):41-43. Aug.1952. 9.4 R32

2222 PODUFALYĬ, T. I. Large annual apple crops. (In Russian.) Sad i Ogorod 9:18-19. Sept.1952. 80 Sa13

2223 PRESTON, A. P. Pruning Maiden apple trees as bushes. East Malling Res. Sta. Annu. Rpt. 39:199. 1951,pub.1952. 103 Ea7

2224 RODIONOV, A. P. Kiev peaches. (In Russian.) Sad i Ogorod 6:18-21. June 1952. 80 Sa13

2225 RUDNEV, B. V. Apple culture without suckers in the Saratov Region. (In Russian.) Sad i Ogorod 7:71-72. July 1952. 80 Sa13

2226 SANNIKOV, V. S. Large apple crop of spreading orchard. (In Russian.) Sad i Ogorod 7:71. July 1952. 80 Sa13

2227 SCHELLER, H. Der obstbau in Schweden. Gart.-Z. Illus. Flora 75:99-101. Sept.1952. 80 G1991

2228 SEITZER. Radikale umstellung oder rationalisierung des obstbaues? Obstbau 71:129-130. Sept.1, 1952. 80 Ob73

2229 SERGEENKO, V. M. Means to eliminate periodicity in fruit bearing of apple trees. (In Russian.) Sad i Ogorod 8:16-21. Aug.1952. 80 Sa13

2230 SHAĬTAN, I. M. Cold-resisting peach varieties (In Russian.) Moscow. Glav. Bot. Sad. B. 10:48-52. 1951. 451 M854

2231 SHEVCHENKO, A. G. Timely fruit gathering as a measure to eliminate periodicity in fruitbearing. (In Russian.) Sad i Ogorod 9:19-20. Sept.1952. 80 Sa13
Apples.

2232 TACHON, P. La recolte des pommes. Nord Agr. 8(46):2. Sept.5,1952. 14 N75

2233 TARAN, I. N. Formation of crown of fruit trees in nurseries. (In Russian.) Sad i Ogorod 3:16-18. Mar.1952. 80 Sa13
Apples.

2234 THEIMER, K. Neues über den pfirsichbau. Obst u. Gartbau. 7:99-100. July 1952. 80 Ob75

2235 TRIMARCO, J. Cultivo del peral. Vinos, Viñas y Frutas 46(562):67,69-71. July 1952. 9 Ag89

2236 TSITSUGIN, I. V. Experiments in accelerated growth of fruit rootstocks. (In Russian.) Sad i Ogorod 3:10-13. Mar.1952. 80 Sa13

2237 TUKEY, H. B. Summer pruning. Plants & Gard. (n.s.)8:166-167. Summer 1952. 450 P694
Fruit trees.

2238 USACHEVA, N. I. Accelerated growth of [apple] seedlings for the purpose of grafting their crowns. (In Russian.) Sad i Ogorod 4:17-19. Apr.1952. 80 Sa13

2239 WELDON, G. P. Promising new early peach. Calif. Farmer, South. Ed. 197:323. Oct.4,1952. 6 C126A

2240 WENCK, F. Der viertelstamm auf sämling, eine neuere baumform. Obstbau 71:130-131. Sept.1,1952. 80 Ob73

2241 WHITTAKER, E. C. Pear growing in New South Wales. Agr. Gaz. N. S. Wales 63:310-314. (Cont.) June 2,1952. 23 N472

2242 WINKELMANN. Unsere obstsorten. Deut. Baumsch. 4:248-251. Sept.1952. 80 D486
Apples.

2243 ZHILITSKIĬ, IA. Z. Ability of roots of an apple tree to grow after injury. (In Russian.) Sad i Ogorod 9:30-32. Sept.1952. 80 Sa13

Fruits--Small

2244 AĬVAZIAN, P. K. Increasing the productivity of grapes in Ukraine; Pino Seryĭ and Shardone varieties. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):41-44. Nov.1951. 95.8 V77
Effect of pruning.

2245 ALLOVON, E. Les porte-greffes. Viticult. Nouvelle 5(53):15-16. Sept.1952. 390.8 V832

2246 AMERICAN CRANBERRY GROWERS' ASSOCIATION. Proceedings, eighty-third annual convention, Pemberton, New Jersey, August 28, 1952. Pemberton? 1952. 24 p. 81 Am35C

2247 BADKE. Waren sie mit ihrer erdbeerente zufrieden? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1294-1295. (Concl.) Aug.21,1952. 18 L2346

2248 BALASHOV, P. K. Speedy method of propagation of grapes. (In Russian.) Sad i Ogorod 4:33. Apr. 1952. 80 Sa13

2249 BARSKIĬ, IA. S. Mass selection of grapes according to negative indicators. (In Russian.) Sad i Ogorod 9:43-44. Sept.1952. 80 Sa13
Labelling the weak plants.

2250 BRANAS, J. Les raisins de table. Prog. Agr. et Vitic. 138:137-139. Sept.7/14,1952. 14 P94

2251 BRANAS, J. Les raisins de table. II. Prog. Agr. et Vitic. 138:217-223. Oct.19/26,1952. 14 P94

2252 BRUNO, B. Italian grafts in Tunisia. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:315-316. Aug.1952. 16 C72

2253 BURGMANS, H., and others. General discussion on small fruit problems. (In Dutch.) Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 32:92-120. Mar.1952. 86 W12
J. Maarse, J. P. L. L. A. Burg, W. van Uden, and W. de Groot, joint authors.
English summary.

2254 CHIGRIN, V. N. Urgent tasks of northern grape culture. (In Russian.) Sad i Ogorod 6:42-45. June 1952. 80 Sa13

2255 COLBY, A. S. How to prune currants and gooseberries. Plants & Gard. (n.s.)8:159-160. Summer 1952. 450 P694

2256 COLBY, A. S. Pruning bramble fruits. Plants & Gard. (n.s.)8:155-158. Summer 1952. 450 P694
Blackberries and raspberries.

2257 COSMO, I. European grape culture in Argentina. (In Italian.) Humus 8(7/8):19-22. July/Aug.1952. 16 H88

2258 CROCE, F. Poda de fructificación del ciruelo japones. Chacra 22(262):34. Sept.1952. 9 C34

2259 DARROW, G. M. Rubus glaucus, the Andes blackberry of Central America and northern South America. Ceiba 3:97-101. Oct.1,1952. 475 C32

2260 DOEHLERT, C. A., and HAINES, I. New Jersey's appreciation of Henry J. Franklin, dean of scientific research on cranberries. Amer. Cranberry Growers Assoc. Proc. Annu. Conv. 83:6-7. 1952. 81 Am35C

2261 DUGIDZHIEV, S. L. Method for increasing grape crops. (In Russian.) Sad i Ogorod 3:37. Mar. 1952. 80 Sa13
Pruning.

2262 DURQUETY, M., and BISSON, J. Étude ampélographique des sarments de certains cépages français du Sud-Ouest. Montpellier,Déhan,1952. 11 p. 95.1 D93

2263 ESAIAN, G. S. Grapes—on forest belts [windbreaks]. (In Russian.) Les i Step' 3(12):84-85. Dec. 1951. 99.8 L565

2264 FRANCE. MINISTÈRE DE L'AGRICULTURE. DIRECTION DE LA PRODUCTION AGRICOLE. SECTION DE SELECTION ET DE CONTRÔLE DES BOIS ET PLANTS DE VIGNE. Travaux, campagne 1950-1951, septième rapport annuel. Montpellier,1951. 24 p. 95.9 F84

2265 FUCHSS, H. Neuzeitliche probleme der weinbautechnik. Bauern-Ztg. 5(34):19. Aug.22,1952. 18 B324
Grape culture.

2266 GMÜR, V. Rebbergmeliorationen im schaffhausischen Klettgau. Schweiz. Z. f. Obst- u. Weinbau 61:362-367. (Concl.) Sept.6,1952. 80 Sch9

2267 GORSHKOV, I. S. Planting grape seeds. (In Russian.) Sad i Ogorod 3:37. Mar.1952. 80 Sa13

2268 GUKAS'IAN, A. S. Grapes in the northern districts of Kazakh SSR. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):29-30. Dec.1951. 95.8 V77

2269 HALL, C. J. War of the Rebellion was no obstacle to cranberry men. Cranberries 17(6):7,10,13, 16-19. Oct.1952. 80 C852

2270 HYAMS, E. Perpetual strawberries, the varieties discussed. Fruit-Grower 2967:839-840. Nov.6,1952. 80 F941

2271 IAKOVLICHEVA, N. G. Gooseberry culture in the Komi-Permiak National District. (In Russian.) Sad i Ogorod 3:75. Mar.1952. 80 Sa13

2272 KAFIAN, A. G., and GELOVANI, E. S. Methods for accelerated growing of mulberry. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3: 42-46. Mar.1952. 20 D742
Grafting.

2273 KATAR'IAN, T. G. Toward further successes in grape culture. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):42-45. Dec.1951. 95.8 V77

2274 KHAĬDARKULOV, G. Considering variety in pruning grape vines. (In Russian.) Sad i Ogorod 4:32. Apr.1952. 80 Sa13

2275 KHOKHLOV, K. A. Specialization in the vinicultural districts of the Gissar Valley in the Tadzhik SSR. (In Russian.) Vinodel. i Vinograd. SSSR. 2:16-18. Feb.1952. 95.8 V77

2276 KOMAROVA, E. S. Experiments in grape varieties. (In Russian.) Vinodel. i Vinograd. SSSR. 2: 35-39. Feb.1952. 95.8 V77

2277 KOMAROVA, E. S. Georgian grape varieties in Ukraine. (In Russian.) Vinodel. i Vinograd. SSSR. 11 (12):23-26. Dec.1951. 95.8 V77

2278 KOMAROVA, E. S. Grape selection in the Ukraine. (In Russian.) Sad i Ogorod 7:51-54. July 1952. 80 Sa13

2279 KOPRIVNIKAR, V. Blackberry is a valuable fruit for manufacture of fruit juices. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:133-134. May/June 1952. 21.5 Sa1

2280 KRAVCHENKO, P. A. Experiments in growing Amur grapes in Siberia. (In Russian.) Sad i Ogorod 7: 54. July 1952. 80 Sa13

2281 KRONENBERG, H. G. In which respects is breeding work in small fruits desirable and possible? (In Dutch.) Inst. v. de Veredeling van Tuinbouwgewassen Meded. 32:59-79. Mar.1952. 86 W12
English summary.

2282 KRUGERKE. Uber den erdbeeranbau. Obstbauberatungsring. Mittbl. 7(4):4-6. Aug.1,1952. 85 Ob72

2283 KUZMIN, A. IA. Question of formulating biological characteristics in grape seedlings. (In Russian.) Sad i Ogorod 6:40-42. June 1952. 80 Sa13

2284 KUZNETSOVA, E. G. Large strawberry crop. (In Russian.) Sad i Ogorod 6:33-36. June 1952. 80 Sa13

2285 LAKERBAĬ, B. G. On Kastel State Farm [in Crimea]. (In Russian.) Vinodel. i Vinograd. SSSR. 11 (11):62. Nov.1951. 95.8 V77
Grape culture chiefly.

2286 LANZA, H. O. Vintners and vineyardists: partners or competitors? Wines & Vines 33(9):15. Sept.1952. 95.8 C122

2287 LAVRIČ, J. Raspberry planting and export of raspberry juice. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:134-135. May/June 1952. 21.5 Sa1

2288 LELEKOV, I. Lozovi podloški [Grape rootstocks]. Skopje,"Zadružen Život,"1951. 60 p. 95.3 L53

2289 LEVADOUX, L. Notes sur l'Ondenc ou Piquepout de Moissac. Montpellier,Déhan,1952. 10 p. 95.1 L57
Grape variety.

2290 LIEBSTER. Jetzt erdbeeren pflanzen—anerkanntes pflanzgut verwenden! Landwirtbl. Weser-Ems 34:838-839. Aug.21,1952. 18 L2345

2291 LUQUE, J. A. Los alambres en la viña. Chacra 22(262):36-37. Sept.1952. 9 C34
Grape supports and culture.

2292 MAKAROV-KOZHUKHOV, L. N. Reshaping grape vine. (In Russian.) Sad i Ogorod 3:32-34. Mar. 1952. 80 Sa13

2293 MAROT, G. Autour d'une hybridation. Viticult. Nouvelle 5(54):26. Oct.1952. 390.8 V832

2294 MATEKOVIĆ, S. Factors which should be considered in selection of quality of grape varieties. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:18-22. Jan.1952. 21.5 Sa1

2295 MEDVEDEVA, K. A. Experiment in growing grape rootstocks in open ground. (In Russian.) Sad i Ogorod 4:34-35. Apr.1952. 80 Sa13

2296 MERKULOV, S. A. Advanced working methods. (In Russian.) Vinodel. i Vinograd. SSSR. 2:6-10. Feb. 1952. 95.8 V77

2297 MICKLEM, T. Strawberry culture. Farming So. Africa 27:365-368. July 1952. 24 So842

2298 MISHURENKO, A. G. New degree of heat for stratification of grape propagating material. (In Russian.) Vinodel. i Vinograd. SSSR. 2:30-33. Feb.1952. 95.8 V77

2299 MODENA, A. Trends in some new varieties of table grapes. (In Italian.) Salento Agr. 3(8):1-2. Aug.1952. 281.8 Sa3

2300 MOLCHANOVA, Z. IA. Length of grape-vine pruning in Uzbekistan. (In Russian.) Sad i Ogorod 4:30 31. Apr.1952. 80 Sa13

2301 MOMOT, G. P. [Grapes] in the State farm "Sudak." (In Russian.) Vinodel. i Vinograd. SSSR. 2: 59-60. Feb.1952. 95.8 V77

2302 MORGAN, C. N. Pruning Muscat Hamburg grapes in coastal districts. Queensland Fruit & Veg. News 2(39):3. Aug.8,1952. 280.38 Q3

2303 MOROZOVA, G. S. Agricultural technique to be used in growing seedlings of Phylloxera-resistant wild plants. (In Russian.) Vinodel. i Vinograd./SSSR. 2: 52-55. Feb.1952. 95.8 V77

2304 MUROMTSEV, I. A. Experiment in pit grape culture in Tambov Region. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):45-49. Nov.1951. 95.8 V77

2305 NEUBAUER, H. F. Über ein ursprüngliches vorkommen der wilden Vitis vinifera L. in Obst-Afghanistan. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:139-146. July 1952. 105.9 K696
English summary.

2306 NOVAK, F. Status of vines and rejuvenation of vineyards. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:46-47. Feb.1952. 21.5 Sa1

2307 NOVAK, J. New views on branch pruning [grapes]. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:80-81. Mar. 1952. 21.5 Sa1

2308 NUSSEY, N. Report on some raspberry varieties grown at Macdonald College. Pomol. & Fruit Soc. Prov. Quebec. Annu. Rpt. 57:122-126. 1950,pub. 1951. 82 Q3

2309 NUSSEY, N. Report on some strawberry varieties grown at Macdonald College. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:118-122. 1950,pub.1951. 82 Q3

2310 OINOUE, Y., and YATOMI, Y. Lime treatment in the cutting of Vitis berlandieri. (In Japanese.) Hort. Assoc. Japan. J. 21:53-54. June 1952. 87 H78
English summary.

2311 OOSTEN, A. VAN. Small fruit culture. VI. (In Dutch.) Groenten en Fruit 8:38. July 17,1952. 80 G89

2312 OOSTEN, A. VAN. Small fruit culture in America. (In Dutch.) Groenten en Fruit 8:106-107. (Concl.) Aug.7,1952. 80 G89

2313 ORLOVA, T. G. New method of planting grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):6-8. Nov. 1951. 95.8 V77

2314 PELKWIJK, A. J. TER. General outlook for new small fruit crops. (In Dutch.) Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 32:80-91. Ref. Mar.1952. 86 W12
English summary.

2315 PEREZ-SALAS Y LAMO DE ESPINOSA, J. La comarca de Requena-Utiel (Valencia). Semana Vitivinic. 7(317):2-3. July 26,1952. 95.8 Se5

2316 PROKOF'EV, S. D. Selection of berry plants by picking out the choicest. (In Russian.) Sad i Ogorod 8:39-41. Aug.1952. 80 Sa13

2317 PUTINTSEV, N. I. Non-irrigated grape culture in Uzbekistan. (In Russian.) Vinodel. i Vinograd. SSSR. 2:40-42. Feb.1952. 95.8 V77

2318 RENECE, A. L'étude du comportement en Vaucluse. Viticult. Nouvelle 5(53):18-20. (Cont.) Sept. 1952. 390.8 V832
Grape varieties.

2319 RIVEROS, J. E. Portainjertos europeos por americanos. Vinos, Viñas y Frutas 46:503-505. June 1952. 9 Ag89

2320 RIVEROS, J. E. La uva Pinot. Chacra 22 (262):48. Sept.1952. 9 C34

2321 SAZYKIN, IU. V. Raspberry—a valuable honey-yielding plant. (In Russian.) Pchelovodstvo 29(4): 43-45. Apr.1952. 424.8 P295

2322 SCHUPPE, E. Erdbeer-sortenbeschreibungen. Deut. Baumsch. 4:251-254. (Concl.) Sept.1952. 80 D486

2323 SHCHERBAK, F. I. Selection of locality for vineyards. (In Russian.) Vinodel. i Vinograd. SSSR. 2: 42-43. Feb.1952. 95.8 V77

2324 SIRONVAL, C. Recherches organographiques et physiologiques sur le développement du fraisier des quatre-saisons à fruits rouges. Bruxelles,1951. 184 p. (Brussels. Académie Royale de Belgique. Classe des Sciences. Mémoires. Collection in 8° [2. sér.] t. 26, fasc.4) 463.36 Si7

2325 SIŠKO, M. Pruning of berries. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:70-71. Mar.1952. 21.5 Sa1

2326 SKUIN', K. P. Fan-like form of a grapevine. (In Russian.) Sad i Ogorod 6:45-48. June 1952. 80 Sa13
Pruning.

2327 SOLODNIKOV, F. E., and LOGINOV, L. Z. When to plant currant cuttings. (In Russian.) Sad i Ogorod 8:71-72. Aug.1952. 80 Sa13

2328 STONER, W. N., and STOVER, L. H. Field plot observations indicate that new hybrid grapes are vigorous in Florida degeneration areas. Fla. State Hort. Soc. Proc. 64:266-268. 1951,pub.1952. 81 F66

2329 STOVER, L. Trellising table grapes in Florida. Subtrop. Gard. 5(6):3,13. May/June 1952. 80 Su13

2330 STOVER, L. H. Breeding has produced better grape varieties for Florida. Fla. State Hort. Soc. Proc. 64:269-271. 1951,pub.1952. 81 F66

2331 TRUEL, P. La coopération appliquée a la production et a la vente des bois et plants de vigne. Prog. Agr. et Vitic. 138:154-156. Sept.7/14,1952. 14 P94

2332 TRUEL, P. La coopération appliquée à la production et à la vente des bois et plants de vigne. II. Prog. Agr. et Vitic. 138:178-181. Sept.21/28,1952. 14 P94

2333 TRUEL, P. La coopération appliquée à la production et a la vente des bois et plants de vigne. III. Prog. Agr. et Vitic. 138:197-200. Oct.5/12,1952. 14 P94

2334 TSEITLIN, M. G. Grape pruning in Uzbek SSR. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):39-40. Nov.1951. 95.8 V77

2335 VEGA, J. Acerca de un nuevo procedimiento de injertación herbácea. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(53):34-35. May 1952. 9 Id3
Grapes.

2336 VEGA, J. Control de viveros y materiales viticolas. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(53):32-33. May 1952. 9 Id3
Propagation.

2337 VITES, L. S. In regard to distribution of grape varieties in the northern districts of Moldavia. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):26-28. Dec. 1951. 95.8 V77

2338 VOLKOVA, M. I. Practices of a collective farm selected plot. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):31-33. Dec.1951. 95.8 V77
Grape culture.

2339 WACKERLIN, O. Weinbautechnische erfahrungen und ziele der rebbergzusammenlegungen im Klettgau. II. Schweiz. Z. f. Obst- u. Weinbau 61:394-398. Sept.20, 1952. 80 Sch9

2340 WAGNER, P. M. The romance of French hybrid grapes. Amer. Fruit Grower 72(11):13,26. Nov.1952. 80 G85

2341 WELKERLING, E. M. L. DE. Descripción de dos nuevas variedades de frambueso introducidas en el pais. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(53): 14-15. May 1952. 9 Id3

2342 ZORČIĆ, S. The significance of wine production in France. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:29-30,62-63,91-94. Jan.-Mar.1952. 21.5 Sa1
Grape culture.

2343 ZULUAGA, P. A., MORETTI, R., and JULCH, J. A. Ensayos de arraigamiento de vides americanas. Vinos, Viñas y Frutas 46(562):27-29. July 1952. 9 Ag89

2344 ŽUPANČIĆ, I. An examination of our grapevines. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:73-77. Mar.1952. 21.5 Sa1

Nuts

2345 BRYDEN, J. D. Cultivation of tree nuts in New South Wales. Agr. Gaz. N. S. Wales 63:419-421,430. Aug.1952. 23 N472

2346 BURGART, H. P. Nut rootstock material in western Michigan. North. Nut Growers Assoc. Annu. Rpt. 42:82-83. 1951. 94.69 N81

2347 CHASE, S. B. The 1950 Persian Walnut Contest. North. Nut Growers Assoc. Annu. Rpt. 42:86-87. 1951. 94.69 N81

2348 GOLIKOV, A. I. Forms of walnuts [Juglans regia] in Sochi-Tuapse District and principles for selecting them. (In Russian.) Lesn. Khoz. 5:62-66. Jan.1952. 99.8 L5622

2349 HANSEN, H. B. Most common methods of controlling frost. (Excerpts.) Almond Facts 17(5):10-11. Sept./Oct.1952. 280.28 AL62
Almond orchards.

2350 KYHL, I. Nut growing in eastern Iowa. North. Nut Growers Assoc. Annu. Rpt. 42:31-33. 1951. 94.69 N81
Includes discussion.

2351 LASSER, T. Nuestras nueces. Acta Cient. Venezol. 3:77-78. May/June 1952. 475 Ac83

2352 LLOBET, I. La poda del almendro. Cult. Mod. 35:290. Aug.1952. 15 C89

2353 MCDANIEL, J. C. Colby, a hardy Persian walnut for the Central States. North. Nut Growers Assoc. Annu. Rpt. 42:87-90. 1951. 94.69 N81

2354 MCKAY, J. W., and CRANE, H. L. Preliminary results from training Chinese chestnut trees to different heights of head. North. Nut Growers Assoc. Annu. Rpt. 42:22-29. 1951. 94.69 N81
Includes discussion.

2355 MAGILL, W. W. Status of the northern pecan. North. Nut Growers Assoc. Annu. Rpt. 42:39-45. 1951. 94.69 N81
Includes discussion.

2356 MAURER, K. J. Erfahrungen mit einigen deutschen und ausländischen walnusssorten. Züchter 22:276-284. 1952. 442.8 Z8

2357 NORTHERN NUT GROWERS ASSOCIATION. 42nd annual report. Annual meeting at Urbana, Illinois, August 28, 29 and 30, 1951. Geneva,N.Y.,1951. 104 p. 94.69 N81

2358 O'ROURKE, F. L. Factors affecting nut tree propagation. North. Nut Growers Assoc. Annu. Rpt. 42:78-82. Ref. 1951. 94.69 N81

2359 O'ROURKE, F. L. Propagation of the hickories. Trees [Cleveland] 12(6):11,14,19. Ref. Oct./Nov. 1952. 99.8 W52
Carya species.

2360 O'ROURKE, F. L. Symposium on nut tree propagation. North. Nut Growers Assoc. Annu. Rpt. 42:68-78. 1951. 94.69 N81

2361 PAVLENKO, F. A. New varieties of "Funduk." (In Russian.) Sad i Ogorod 9:32-34. Sept.1952. 80 Sa13
Filberts.

2362 SERR, E. F., and FORDE, H. I. Lake County studies show kernels mature before hulls all loose. Diamond Walnut News 34(5):3. Sept.1952. 94.68 D34

2363 SMITH, G. L. Hudson Valley experience with nut tree understocks. North. Nut Growers Assoc. Annu. Rpt. 42:83-85. 1951. 94.69 N81

2364 SMITH, J. R. Pecans in northern Virginia. North. Nut Growers Assoc. Annu. Rpt. 42:45-47. 1951. 94.69 N81

2365 THEISS, L. E. Consider filberts. Org. Gard. 20(10):20-21,40. Oct.1952. 56.8 Or4

2366 WARD, W. B. The filbert and Persian walnut in Indiana. North. Nut Growers Assoc. Annu. Rpt. 42: 29-31. 1951. 94.69 N81

2367 WESCHCKE, C. Pecans in the vicinity of St. Paul, Minnesota. North. Nut Growers Assoc. Annu. Rpt. 42:47-49. 1951. 94.69 N81

Shade Trees and Ornamental Plants

2368 ACWORTH, W. B. Plants for the shaded garden. London,U. London Press,1952. 19 p. 97.2 Ac9

2369 ADDISON, G. H., and HENDERSON, M. R. Singapore orchid hybrids, 1951. Orchid Rev. 60:164-166. Oct.1952. 80 Or15

2370 AGENDA des floriculteurs, 1952, cinquante-huitième année. Lyon,1952. various pagings. 80 Ag32

2371 ALLEN, R. C. The fall crop of new roses. Pop. Gard. [Albany] 3(10):21,55. Oct.1952. 80 P812

2372 ALTHAUSEN, H. Catasetum cernuum and Brassavola flagellaris. Amer. Orchid Soc. B. 21:726-727. Oct.1952. 80 Am329

2373 ANDERSON, E. Our common autumn wild flowers. Mo. Bot. Gard. B. 40:111-125. (Cont.) Sept. 1952. 451 M69B

2374 ANDERSON, E. Our common autumn wild flowers. Mo. Bot. Gard. B. 40:127-136. (Concl.) Oct. 1952. 451 M69B

2375 ANDERSON, E. Summer flowers which linger into fall. Mo. Bot. Gard. B. 40:136-137. Oct.1952. 451 M69B

2376 ARNOLD, R. E. Rodriguezia decora. Orchid Rev. 60:146-147. Sept.1952. 80 Or15

2377 AVERY, V. A. S. Success with lilies. Pop. Gard. [Albany] 3(10): 26-27,53-55. Oct.1952. 80 P812

2378 BAILEY, R. What happens to new roses on their own. Home Gard. 20(4):8-12. Oct.1952. 80 H756

2379 BAIR, R. A. Your lawn can be beautiful. Fla. State Hort. Soc. Proc. 64:219-223. 1951,pub.1952. 81 F66

2380 BALASHOV, P. K. New fruit and berry shrubs. (In Russian.) Les i Step' 3(11):81-82. Nov.1951. 99.8 L565
Chiefly on Chaenomeles lagenaria.

2381 BANTA, E. S. The mechanics of pruning. Plants & Gard. (n.s.)8:115-118. Summer 1952. 450 P694
Trees, shrubs and vines.

2382 BATES, L. R. Making cuttings. Natl. Chrysanthemum Soc. B. 8(3,sup.):7-9. Sept.1952. 96.519 Ea7

2383 BAYNES, A. Plants for beginners. 10. Succulents. V. Natl. Cactus & Succulent J. 7:41. 1952. 450 N21

2384 BECHTEL, E. DE T. Rose varieties. II. Gard. J. 2:151-152. Sept./Oct.1952. 80 G1635

2385 BENZ, M. Flowers: their creative designs; descriptive analysis. Houston,San Jacinto Pub.,1952. 289 p. 96.03 B44

2386 BERRY, G. H. Hybrids v. species. Alpine Gard. Soc. Q. B. 20:254-258. Sept.1952. 84 AL6

2387 BLACKBURN, B. Plant for permanence: Chinese Photinia. Flower Grower 39(12):6-7. Dec.1952. 80 M72

2388 BLACKBURN, B. Plant for permanence. Common witch-hazel [Hamamelis virginiana]. Flower Grower 39(11):6,8. Nov.1952. 80 M72

2389 BLACKBURN, B. The plant in the picture, sasanqua Camellia. Pop. Gard. [Albany] 3(11):32-33,41. Nov.1952. 80 P812

2390 BLACKBURN, B. The plant in the picture, winged Euonymus. Pop. Gard. [Albany] 3(10):32-33,43. Oct.1952. 80 P812

2391 BLACKMON, G. H. Horticultural research with Camellias. Fla. State Hort. Soc. Proc. 63:198-200. 1950,pub.1951. 81 F66

2392 BLACKMON, G. H., and MCFADDEN, S. E. Rose culture in Florida. Fla. State Hort. Soc. Proc. 64: 215-218. 1951,pub.1952. 81 F66

2393 BLAGOVIDOVA, M. S. Artemisia pontica—ornamental plant. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:134-135. 1951. 451 M854

2394 BLASDALE, W. C. Comments on Cyclamen libanoticum. Alpine Gard. Soc. Q. B. 20:245-253. Sept. 1952. 84 AL6

2395 BLASDALE, W. C. The coum-vernum group of species of Cyclamen. Natl. Hort. Mag. 31:206-214. July 1952. 80 N216

2396 BLASDALE, W. C. A little known species of Cyclamen [Cyclamen hederifolium]. Gard. J. 2:135-136. Sept./Oct.1952. 80 G1635

2397 BLOIS, P. DE. Des plantes bulbeuses fleuries depuis Noël jusqu'au printemps. Cour. Hort. 14:421-424. Aug.1952. 80 C834
Includes Narcissus, hyacinths and tulips.

2398 BOGGS, J. T. The Camellia collection. Camellian 3(3):10-13. Sept.1952. 97.31 C14

2399 BOHMIG, F. Die kulturpraxis der schnittblumen und topfpflanzen. Lehr- und handbuch für den neuzeitlichen gärtnereibetrieb. Ed. 7, rev. and enl. Berlin,Parey,1952. 592 p. 96.04 B63

2400 BOLTON, S. E. Light your garden with hundreds of pure white Madonnas. Pop. Gard. [Albany] 3(11):35,40-41. Nov.1952. 80 P812
Lilium candidum.

2401 BOSSHARD, A. Les greffes artistiques. Cactus [Paris] 7:51-52. June 15,1952. 450 C114
Cactaceae.

2402 BREDDY, N. C. Orchid growing in Australia. Orchid Rev. 60:161-164. Oct.1952. 80 Or15

2403 BRIMER, J. B. Want spring this winter? Then have it! How? By forcing gay spring bulbs to bloom inside. Household 52(11):6-7,32-33. Nov.1952. 321.8 H813

2404 BRINHART, B. Efficient bulb care. Org. Gard. 20(10):24-25,43. Oct.1952. 56.8 Or3

2405 BROEN, M. Los arbustos decorativos resuelven con exito los problemas de jardineria moderna. Mundo Agr. 4(39):56-57. Aug.1952. 9 M92

2406 BUCKLEY, A. R. 8 good flowering shrubs for the small home. Canad. Homes & Gard. 29(10):26-27. Oct.1952. 296.8 C16

2407 BUELL, A. H., and BUELL, T. E. Introducing the new hybrid slipper Gloxinias. Pop. Gard. [Albany] 3(11):36,45. Nov.1952. 80 P812

2408 CARLETON, R. M. Shall we hybridize? African Violet Mag. 6:25,63-68. Sept.1952. 80 Af8

2409 CARNEVALE, J. A. Forestales para calles y adorno de parques. Pampa Argentina 25(297):10-11,32 Sept.1952. 9 P19

2410 CARTER, E. H. Grow your own corsages. Golden Gard. 17:8-10,24. Nov.1952. 80 G56
Camellia.

2411 CHAPPLE, F. J. The heather garden. London, Collingridge,1952. 180 p. 97.31 C362

2412 CHEVALIER, C. Les beaux cerisiers à fleurs du Japon. B. Hort. (n.s.)7:258-261. Sept.1,1952. 80 B873
Prunus serrulata.

2413 CHIDAMIAN, C. Hibiscus for warm-weather gardens. Home Gard. 20(5):36-40. Nov.1952. 80 H756

2414 CHOWNING, F. The role of foliosa and other species in the creation of a hardier strain of Louisiana Iris. Amer. Iris Soc. B. 127:21-24. Oct.1952. 81 Am39

2415 CLARK, R. B., and KORBOBO, R. P. Fifty small trees for New Jersey home grounds. N. J. Agr. Col. Ext. L. 86,8 p. July 1952. 275.29 N46L

2416 CLEMENTS, J. More pictures with flowers. London,Pearson,1952. 63 p. 96.03 C59M

2417 CLOWER, T. S. Camellias 'round the Gulf Coast. Camellian 3(3):8-9. Sept.1952. 97.31 C14

2418 COLOR names and NAGC color classes. No. Amer. Gladiolus Council. B. 31:32-35. Sept.1952. 96.43 N81

2419 CONSTABLE, W. A. Lilies to plant this autumn. Gard. Illus. 69:280-281. Nov.1952. 80 G169

2420 COOK, D. Camellias by the gallon. Camellian 3(3):6-7. Sept.1952. 97.31 C14

2421 CORREVON, A. Crocuses lift our hearts. Horticulture 30:390-391. Oct.1952. 80 H787

2422 CORYELL, J. S. Fundamentals of African violet culture. African Violet Mag. 6:19,53-57. Sept. 1952. 80 Af8

2423 COUNCILMAN, E. C. Canned Camellias. Camellian 3(3):5,24. Sept.1952. 97.31 C14

2424 CUNLIFF, K. M. Trees for tomorrow. Trees So. Africa 4:3-4. Apr./June 1952. 99.8 T716
Tipuana tipu and Liquidambar styraciflua.

2425 DEPETRIS, V. R. How to prune, pinch, and disbud Chrysanthemums. Plant & Gard. (n.s.)8:133-135. Summer 1952. 450 P694

2426 DEWERTH, A. F. Some proven shrubs for the hot, dry Southwest. South. Florist & Nurseryman 65(28):93-94. Oct.3,1952. 80 So86

2427 DEWERTH, A. F. Try the bromeliads. South. Florist & Nurseryman 65(28):17,23-24. Oct.3, 1952. 80 So86

2428 DICKEY, R. D. Factors affecting the keeping quality of cut flowers. Fla. State Hort. Soc. Proc. 63: 203-206. 1950,pub.1951. 81 F66

2429 DILATUSH, T. Grow your own holly. Flower Grower 39(12):22-23,48-50. Dec.1952. 80 M72

2430 DIX, J. F. C. How new tulip varieties are born. Tulip Tidings 5(2):3-4. Fall 1952. 96.49 T822

2431 DOOLEY, G. Hybridizing notes. No. Amer. Gladiolus Council. B. 31:63-66. Sept.1952. 96.43 N81

2432 DOPF, K. Wir legen uns eine lebende hecke an. Gart.-Z. Illus. Flora 75:97-98. Sept.1952. 80 G1991

2433 DORMON, C. The Louisianas can take it. Amer. Iris Soc. B. 127:31-33. Oct.1952. 81 Am39
Hardiness of Iris varieties.

2434 DORRENHAUS, F. Der tropische urwald im zimmer. Pflanze u. Gart. 2(8):16-18. Aug.1952. 80 P48

2435 DOUMONT, L. Floriculture et arboriculture ornementale. B. Hort. (n.s.)7:245-246. Aug.1952. 80 B873

2436 DOUMONT, L. Floriculture et arboriculture ornementale. B. Hort. (n.s.)7:273. Sept.1,1952. 80 B873

2437 DRAKE, J. Random notes from a highland garden. Alpine Gard. Soc. Q. B. 20:236-241. Sept.1952. 84 AL6

2438 DUBROVITSKAIA, N. I., and FURST, G. G. Vegetative propagation of Eucalyptus by means of cuttings. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:80-83. Ref. 1951. 451 M854

2439 ELIOVSON, S. Flowering shrubs and trees for South African gardens. Cape Town,Timmins,1951. 146 p. 97.31 EL4

2440 FALK, K. Propagation of Begonia hiemalis. (In Norwegian.) Gartneryrket 41:759-761. Nov.3,1951. 80 G1938

2441 FENNELL, T. A., JR. You can grow orchids in your home. Orchid J. 1:217. May/June 1952. 80 Or174

2442 FILLMORE, R. H. Hardwood cuttings. Flower Grower 39(11):26,47. Nov.1952. 80 M72

2443 FOERSTER, K. Einzug der staudengräser in die gärten. Pflanze u. Gart. 2(8):1-6. Aug.1952. 80 P48

2444 FOLTZ, F. Speaking of operations. African Violet Mag. 6:14-18. Sept.1952. 80 Af8
Culture.

2445 FONSECA FILHO, C. DE A. Tipuana or peanut acacia. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(3):44-47. Mar.1952. 9.2 M663
Culture of Tipuana tipu.

2446 FORSBERG, J. L. Drying Gladiolus corms. Florists' Rev. 111(2862):33-34,45. Oct.2,1952. 80 W41

2447 FREDERICKSON, W., JR. Fragrance garden. Parks & Recreation 35(11):17-18. Nov.1952. 98.8 P23
For the blind.

2448 FREE, M. After only fifteen months: it's an "all-perennial" perennial garden. Home Gard. 20(5): 72-76. Nov.1952. 80 H756

2449 FREE, M. Give gifts that grow in beauty. Home Gard. 20(5):7-11. Nov.1952. 80 H756
Ornamental plants.

2450 FRIEDE, H. M. Gingko biloba, a living fossil. Trees So. Africa 4:8,10. Apr./June 1952. 99.8 T716

2451 FRISAK, A. Frøavl av sommerblomster [Growing seeds of summer flowers]. Oslo,Grøndahl,1951. 188 p. 96 F91

2452 FULLER, C. E. K. Commercial carnation [Dianthus] culture on Coromandel Peninsula. New Zeal. J. Agr. 85:253,255-256. Sept.15,1952. 23 N48J

2453 GARDNER, C. A. Trees of Western Australia. 5-6. West. Austral. Dept. Agr. J. (ser.3)1:471,473,475, 477-479. July/Aug.1952. 23 W52J
5. Salmon gum (Eucalyptus salmonophloia F. Muell.); 6. The scarlet pear gum (Eucalyptus stoatei C. A. Gardn).

2454 GENDERS, R. Carnations and pinks for pleasure and profit. Worcester,Littlebury,1952. 86 p. 96.517 G28

2455 GLAETZER, R. C. Zygopetalums and how to grow them. Orchid J. 1:213-214. May/June 1952. 80 Or174

2456 GORITZ, H. H. J. Blumen im garten. Berlin, Deutscher Bauernverlag,1951. 119 p. 97.4 G67

2457 GOWEN, A. S. Winter protection in Minnesota. Natl. Chrysanthemum Soc. B. 8(3,sup.):38-39. Sept. 1952. 96.519 Ea7

2458 GRAU, F. V. Better lawns to come. U S G A J. & Turf Mangt. 5(5):32-36. Sept.1952. 60.18 Un32

2459 GRAU, F. V. The nine-hole golf course. U S G A J. & Turf Mangt. 5(5):25-27. Sept.1952. 60.18 Un32

2460 GRIGSON, G. Wild shrubs for the garden. Country Life [London] 112:1178-1179. Oct.17,1952. 80 C83

2461 GRIMM, G. Good perennials for southeastern gardens. Pop. Gard. [Albany] 3(11):22-23,46-47. Nov. 1952. 80 P812

2462 GROBSTOK, E. Scanian fragmentary. (In Norwegian.) Gartneryrket 41:792-793. (Cont.) Nov.17,1951. 80 G1938
Landscape gardening.

2463 GUNTHER, E. Blumenbüchlein; ein anleitung für jeden gartenfreund. Aarau,Wirz,1952? 72 p. 96 G95

2464 HAES, E. C. M. A scree lawn. Alpine Gard. Soc. Q. B. 20:269-270. Sept.1952. 84 AL6

2465 HAGER, H. Notes on Cypripediums. Amer. Orchid Soc. B. 21:807-812. Nov.1952. 80 Am329

2466 HAGER, H. On growing Phalaenopsis. Amer. Orchid Soc. B. 21:719-723. Oct.1952. 80 Am329

2467 HANSELL, D. E. How will you rock garden? Gard. J. 2:142-143,152-153. Sept./Oct.1952. 80 G1635

2468 HARDING, W. F. W. Clover lawns. Roy. Hort. Soc. J. 77:377-380. Oct.1952. 84 L84J

2469 HARRIS, H. W. Orchids — their care and cultivation. Orchid J. 1:208-210. May/June 1952. 80 Or174

2470 HARSHBARGER, G. Now houseplants don't need daylight! Household 52(11):14-15,60-61. Nov.1952. 321.8 H813
Use of fluorescent lighting.

2471 HASSEWER, W. L. Les bruyeres. Cour. Hort. 14:419-420. Aug.1952. 80 C834
Erica.

2472 HAUSZER, K. Ist der bestand und die erhaltung historischer gärten heute noch berechtigt? Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:153-160. July 1952. 105.9 K696
English summary.

2473 HAWORTH-BOOTH, M. Dual-purpose shrubs. Country Life [London] 112:1394-1395. Oct.31,1952. 80 C83

2474 HAWORTH-BOOTH, M. Modern garden design Country Life [London] 112:1018-1019. Oct.3,1952. 80 C83

2475 HAYWARD, W. The daylily in Florida. Fla. State Hort. Soc. Proc. 63:194-198. 1950,pub.1951. 81 F66

2476 HEATH, R. E. Alpine plants under glass. London,Gifford,1951. 171 p. 96.05 H35

2477 HEMPELMANN, J. Die praxis der friedhofsgärtnerei; anlage, verwaltung und instandhaltung von friedhöfen und gräbern, mit vielen musterbeispielen für grabbepflanzungen. Ed. 3, rev. Berlin,Parey,1952. 311 p. 98 H37

2478 HIBIYA GARDEN BUR. Kusabana saibai no tebiki [A guide to the cultivation of flower plants]. Tokyo, Shisei Shoin,1952. 174 p. 96 H52

2479 HICKMAN, D., and CULBERT, J. R. African violets [Saintpaulia] in the home. Ill. Agr. Col. Ext. C. 695,24 p. June 1952. 275.29 IL62C

2480 HIGGINS, V. The cultivation of Cacti and succulent plants. Roy. Hort. Soc. J. 77:351-360. Oct. 1952. 84 L84J

2481 HILLARY, C. C. Plant your roses carefully. West. Austral. Dept. Agr. J. (ser.3)1:401-402. May/June 1952. 23 W52J

2482 HILLARY, C. C. The winter pruning of roses. West. Austral. Dept. Agr. J. (ser.3)1:519-524. July/Aug. 1952. 23 W52J

2483 HIRAIWA, K., and AKITA, H. Atarashii kusabana kaboku saibai hyakka jiten [A new encyclopedia of flowering plant cultivation]. Tokyo,Saginomiya Shobo, 1951. 487 p. 96 H61

2484 HODGE, H. "Stones" that flower. Nat. Mag. 45:400-404,442. Oct.1952. 409.6 N214
Succulents.

2485 HOFFMAN, R. F. Bloom protection. Natl. Chrysanthemum Soc. B. 8(3,sup.):31-34. Sept.1952. 96.519 Ea7

2486 HOLLAND, L. J. Meeting the plant families: Cactaceae. Green Thumb [Denver] 9(10):8-10. Oct.1952. 80 G82

2487 HOLLEY, W. D. Cold storage of carnation cuttings brought up to date. Colorado Flower Growers Assoc. B. 35:2-3. Sept.1952. 81 C715

2488 HOLMES, J. O. Hibiscus—the best 25 varieties to grow in your yard. Fla. State Hort. Soc. Proc. 64: 218-219. 1951,pub.1952. 81 F66

2489 HONDA, M. Genshoku haru no yagai shokubutsu [Wild plants of spring in natural color]. Tokyo, Sanseido Shuppan K.K.,1952. 232 p. (Nature Guide) 460.15 H752

2490 HOPKINS, A. Williamsburg garden design. Flower Grower 39(11):10-13. Nov.1952. 80 M72

2491 HUNEGS, S. The rose in the Middle Ages. Minn. Hort. 80:128. Oct.1952. 81 M66

2492 HUXLEY, A. J. The corridors at Bayfordbury. Gard. Illus. 69:259-261. Oct.1952. 80 G169
In the greenhouses at John Horticultural Institution.

2493 INGALLS, N. M. Heirloom plants. Flower Grower 39(12):24-25,52. Dec.1952. 80 M72

2494 INGWERSEN, W. Knowing and growing Violas; selected native and imported species. Nurseryman & Seedsman 115:538-539. Sept.11,1952. 80 N933

2495 JACKSON, F. Dahlias; lifting and storing the tubers. West. Austral. Dept. Agr. J. (ser.3)1:395,397-399. May/June 1952. 23 W52J

2496 JANES, E. R. The flower garden. Harmondsworth,Middlesex, Eng.,1952. 420 p. (Penguin Handbooks 19) 96 J25

2497 JANES, E. R. My early-flowering Chrysanthemums. Guildford, Surrey, Eng.,My Garden,1951? 28 p. 96.519 J25

2498 JOHNSON, A. T. Some choice woodland plants. Gard. Chron. 132:104. Sept.13,1952. 80 G162

2499 JOHNSON, M. P. Hardy Aster star of the autumn garden. Home Gard. 20(4):36-39. Oct.1952. 80 H756

2500 JOHNSON, M. P. Veronicas: the long and the short. Home Gard. 20(5):18-21. Nov.1952. 80 H756

2501 JONES, B. C. Varieties outstanding in Oregon. Amer. Iris Soc. B. 127:34-37. Oct.1952. 81 Am39

2502 JONES, M. R. Propagating Saintpaulias. Gard. Chron. 132:134-135. Oct.4,1952. 80 G162

2503 JORDAHN, A. C. Orchids useful as outdoor ornamentals. Fla. State Hort. Soc. Proc. 64:227-228. 1951,pub.1952. 81 F66

2504 JOVET, P. Epipogon aphyllum Swartz, Orchidée boréo-montagnarde trouvée en forêt de Compiègne (Oise), ecologie, répartition géographique. Feuille des Nat. (n.s.)7:39-46. May/Aug.1952. 410 F432

2505 JUMP, J. A. Grow desert plants from seed. Flower Grower 39(11):32-33,46. Nov.1952. 80 M72

2506 KAMMERER, E. L. Sweet pepperbush [Clethra alnifolia],shrub lespedeza [L. bicolor],hardy lilac, chaste-tree [Vitex agnuscastus latifolia],cutleaf chaste-tree [V. negundo incisa],and blue mist bluebeard [Caryopteris mastacanthus x mongolica]; flowering shrubs of late summer. Morton Arboretum B. Pop. Inform. 27: 37-39. Sept.1952. 99.9 M84

2507 KAMMERER, E. L. Trees of the Morton Arboretum—IV. Morton Arboretum. B. Pop. Inform. 27:29-32. July 1952. 99.9 M84

2508 KARNEEV, I. E. Azalea culture. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:77-79. 1951. 451 M854

2509 KATTS, K. V. Herbaceous Paeonia. (In Russian.) Sad i Ogorod 4:65-67. Apr.1952. 80 Sa13

2510 KENNER, R. Zwerg Pelargonien. Schweiz. Gärtztg. 55(33):1-2. Aug.21,1952. 80 G1939

2511 KISELEV, G. E. Dekorativnye mnogoletnie rasteniia [Perennial ornamental plants]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 383 p. 97.42 K64

2512 KNOWLTON, H. W. 1952 Iris awards. Flower Grower 39(12):26,53. Dec.1952. 80 M72

2513 KRASNOVA, N. S. Collection of perennial Phlox. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:76-77. 1951. 451 M854

2514 KRISPIN, S. Grafting of flowers as a method for obtaining new forms. (In Hebrew.) Hassadeh 32: 490-491. July 1952. 26 H27

2515 KUKOLEV, P. A. Biological peculiarities of roses grown from root cuttings. (In Russian.) Agrobiologiia 4:133-134. July/Aug.1952. 20 Ag822

2516 LAMMERTS, W. E. The new reticulata Camellias. Pop. Gard. [Albany] 3(11):19,38-40. Nov.1952. 80 P812

2517 LAURIE, A. Landscaping the interior. Ohio Florists' Assoc. B. 278:2-3. Nov.1952. 81 Oh36
House plants.

2518 LLOYD, C. Rose bushes from cuttings. Gard. Illus. 69:291. Nov.1952. 80 G169

2519 LOGAN, H. B. How orchids live in your living room. Home Gard. 20(4):52-56. Oct.1952. 80 H756

2520 LONGENECKER, G. W. Proper pruning of narrow-leaved evergreens. Plants & Gard. (n.s.)8: 139-141. Summer 1952. 450 P694

2521 LOOMIS, H. F. The best small palms for the dooryard. Fla. State Hort. Soc. Proc. 64:223-226. 1951, pub.1952. 81 F66

2522 LORD, E. E., and others. Symposium—new ornamental plants for trial by Florida growers. Fla. State Hort. Soc. Proc. 64:229-239. 81 F66

2523 LORD, E. L. The Gardenia in Florida. Subtrop. Gard. 5(6):4,14. May/June 1952. 80 Su13

2524 LOVE, W. B. Root and top pruning in transplanting. Plants & Gard. (n.s.)8:147-151. Summer 1952. 450 P694
Shade and ornamental trees.

2525 LOVE, W. B. Shade tree pruning. Plants & Gard. (n.s.)8:144-146. Summer 1952. 450 P694

2526 LOW, W. E. Ease and quiet as guiding influence in orchid hybridizing. Orchid Rev. 60:144-145. Sept.1952. 80 Or15

2527 LOWE, M. E. Design for a winter garden; as autumn's colours fade, the gardener may think ahead to the plants that can bring spring in January. Field 200: 496-497. Sept.27,1952. 10 F45

2528 MCDONALD, E. Concerning Gloxinias. Natl. Hort. Mag. 31:222-230. July 1952. 80 N216

2529 MCINDOE, A. H. Pruning of garden shrubs. Agr. Gaz. N. S. Wales 63:434-437,446. Aug.1952. 23 N472

2530 MCKENNEY, G. R. Gladiolus variety parentages; addenda (1952). No. Amer. Gladiolus Council. B. 31:37,39-44. Sept.1952. 96.43 N81

2531 MCLEAN, F. T. Four-fold inheritance in glads. No. Amer. Gladiolus Council. B. 31:5-7. Sept. 1952. 96.43 N81

2532 MACNEIL, A. Lilies for Minnesota gardens. Minn. Hort. 80:120-121. Oct.1952. 81 M66

2533 MACSELF, A. J. Ferns for garden and greenhouse. London,Collingridge,1952. 254 p. 97.46 M24

2534 MAL'KO, I. M. Sadovo-parkovoe stroitel'stvo i khoziaistvo [Horticultural and park construction and management]. Ed. 2, rev. Moskva,Ministerstvo Kommunal'nogo Khoziaistva RSFSR,1951. 255 p. 98 M292

2535 MANDA, R. F. Christmas Cactus [Schlumbergera truncata]. Flower Grower 39(12):33,37. Dec.1952. 80 M72

2536 MANLEY, T. R. Exhibition Gladiolus. No. Amer. Gladiolus Council B. 31:59-64. Sept.1952. 96.43 N81

2537 MAREK, J. J. Commercial Gladiolus of the future. No. Amer. Gladiolus Council. B. 31:53-54. Sept.1952. 96.43 N81

2538 MARTIN. Die Rhododendron-kultur in Nordeutschland. Gart.-Z. Illus. Flora 75:98-99. Sept.1952. 80 G1991

2539 MARTIN, J. L. Begonias for collectors. Flower Grower 39(11):28-29,44. Nov.1952. 80 M72

2540 MARTYNOVA, T. S. Propagation of hyacinth. (In Russian.) Sad i Ogorod 4:70-71. Apr.1952. 80 Sa13

2541 MASHINSKII, L. O. Standards for decorative plants. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:104-108. 1951. 451 M854
Landscape gardening.

2542 MATTERN, H. Die kleinen gartenräume. Pflanze u. Gart. 2(8):7-10. Aug.1952. 80 P48
House plants.

2543 MATTHEWS, L. A shipwreck which eventually led to new Gladiolus. No. Amer. Gladiolus Council. B. 31:57-58. Sept.1952. 96.43 N81
History of expeditions to Cape of Good Hope.

2544 MENNINGER, E. A. Flowering trees for warm winters. Home Gard. 20(4):44-47. Oct.1952. 80 H756

2545 MERKLE, MRS. H. I planted a seed. Gloxinian 2(1):4-9. July/Aug.1952. 96.06 G51

2546 MILLER, B. L. Can orchids be successfully grown in a Wardian case in the Mid-West? Amer. Orchid Soc. B. 21:716-718. Oct.1952. 80 Am329

2547 MILLER, N. Book of wild flowers. London, Chambers,1952. 4 v. 458 M61

2548 MORRIS, N. Growing orchids in Texas. Amer. Orchid Soc. B. 21:724-725. Oct.1952. 80 Am329

2549 MUELLER, C. E. Hyacinths for April gardens. Pop. Gard. [Albany] 3(10):30-31,48-50. Oct.1952. 80 P812

2550 NAGANO, Y. Three main species of orchids in Japan. Amer. Orchid Soc. B.21:787-789. Nov.1952. 80 Am329

2551 NAZAREVSKII, S. I. Regions where ornamental plants may be collected. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:109-114. 1951. 451 M854

2552 NEZESENKO, Z. I., and NESTERENKO, V. G. Experimental work with ornamental plants at the Dnepropetrovsk Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:133-134. 1951. 451 M854

2553 NITZELIUS, T. Blommande buskar och träd [Flowering shrubs and trees]. Stockholm,Saxon & Lindström,1952. 367 p. 97.31 N63

2554 NOBLE, M. Foliage plants are here to stay. Horticulture 30:382-384,401. Oct.1952. 80 H787

2555 NOBLE, M. What's new among foliage plants. Flower Grower 39(11):34-35,42. Nov.1952. 80 M72

2556 NORDAN, M. Planting and early care of mums. Natl. Chrysanthemum Soc. B. 8(3,sup.):10-11. Sept.1952. 96.519 Ea7

2557 NORDAN, W. W. Meet the Zoysia family. Green Thumb [St. Petersburg] 2(9):7-8,21,26-27. Aug./Sept.1952. 80 G822
Zoysia japonica as a lawn grass.

2558 NORTHEN, R. T. Cattleya labiata. Amer. Orchid Soc. B. 21:744-748. Oct.1952. 80 Am329

2559 NORTHEN, R. T. A checklist of problems. Amer. Orchid Soc. B. 21:792-797. Nov.1952. 80 Am329

2560 NORTHUP, A. Rose garden for the layman for plot 50 x 100 feet. Amer. Rose Mag. 10(9):8-10. Sept.1952. 80 Am327A

2561 OLSON, K. A. Bulbs are for winter too! Minn. Hort. 80:126-127. Oct.1952. 81 M66

2562 PALMOUR, MRS. O. Exhibiting. Natl. Chrysanthemum Soc. B. 8(3,sup.):34-37. Sept.1952. 96.519 Ea7

2563 PARK, B. Althea — rose of Sharon. Green Thumb [St. Petersburg] 2(9):13. Aug./Sept.1952. 80 G822

2564 PATTERSON, U. L. Pot-plant mums; a "money" crop. Florists Exch. 119(16):19. Oct.18,1952. 80 F666
Mainly culture and varieties.

2565 PEARSON, P. Greenhouse foliage plants in Florida. Fla. State Hort. Soc. Proc. 63:192-194. 1950, pub.1951. 81 F66

2566 PERIS PÉREZ, P. Cactus y plantas grasas. Cult. Mod. 35:300-302. Aug.1952. 15 C89
Spain.

2567 PETERS, R. M. Propagating African violets. Flower Grower 39(11):30-31,45. Nov.1952. 80 M72

2568 PHILIPPART, A. Considérations sur l'art moderne des jardins. (Sum.) B. Hort. (n.s.)7:234-236. Aug.1952. 80 B873

2569 PIERS, F. Aerangis thomsoni, the Kenya highland orchid. Amer. Orchid Soc. B. 21:818-819. Nov.1952. 80 Am329

2570 PILIPENKO, F. S. Experiments in fall and winter grafting of certain woody plants. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:54-57. Moscow. Glav. Bot. Sad. B. 10:54-57. 1951. 451 M854

2571 PINNEY, J. J. Preventing losses in nursery stock shipment. Amer. Nurseryman 96(10):7,62-63. Nov.15,1952. 80 Am371

2572 PLIASOV, M. S. Gladiolus culture. (In Russian.) Sad i Ogorod 4:68-69. Apr.1952. 80 Sa13

2573 POHLE, W. H. Pinching and disbudding. Natl. Chrysanthemum Soc. B. 8(3,sup.):14-15. Sept. 1952. 96.519 Ea7

2574 POTTER, C. H. A growers' guide to bedding plants. Florists' Rev. 111(2868):23-24,63-65. Nov.13, 1952. 80 W41

2575 PRICE, E. G., JR. Profitable growing is dependent on efficient production methods. Florists Exch. 119(13):14,52,55-57. Sept.27,1952. 80 F666

2576 PRIDHAM, A. M. S. Pruning deciduous shrubs and certain trees. Plants & Gard. (n.s.)8:119-124. Summer 1952. 450 P694

2577 QUIN, E. G. Keeping records. Alpine Gard. Soc. Q. B. 20:271-274. Sept.1952. 84 AL6

2578 RAUH, W. Alpenpflanzen. I. Ed. 2, rev. Heidelberg,Winter,1951. 84 p. (Sammlung Natur-wissenschaftlicher Taschenbücher 15). 409.6 Sa4

2579 REASONER, E. S. The genus Allamanda in Florida. Fla. State Hort. Soc. Proc. 63:179-180. 1950, pub.1951. 81 F66

2580 REASONER, N. A. The American Hibiscus Society. Fla. State Hort. Soc. Proc. 63:183-187. 1950, pub.1951. 81 F66

2581 REED, I. Perhaps you can plant baby Gladiolus this fall. Home Gard. 20(4):67-69. Oct.1952. 80 H756

2582 REH, W. Orchids as house plants. Amer. Orchid Soc. B. 21:715. Oct.1952. 80 Am329

2583 RIFF, M. Les plantes grasses. Cactus [Paris] 7:53-56. (Cont.) June 15,1952. 450 C114

2584 RIMOLDI, F. J. Ornamental trees, shrubs and vines for south Florida homes. Fla. State Hort. Soc. Proc 64:241-243. 1951,pub.1952. 81 F66

2585 RINGUET, J. L'entretien de maison de vos plantes. Ferme 13(12):12-13,61-62. (Cont.) Aug.1952. 7 F38

2586 RINGUET, J. L'entretien de vos plantes de maison. Ferme 14:33-35,40. (Cont.) Sept.1952. 7 F38

2587 RISELEY, E. B. Speeding the growth of Gladiolus seedlings. No. Amer. Gladiolus Council. B. 31:56-57. Sept.1952. 96.43 N81

2588 ROBINSON, P. L. Fall planting of bare-root trees. Home Gard. 20(4):30-34. Oct.1952. 80 H756

2589 ROBINSON, P. L. What "style" can do to improve your garden. Home Gard. 20(5):26-30. Nov. 1952. 80 H756

2590 ROCKWELL, F. F. Bulbs for winter windows. Home Gard. 20(5):41-44. Nov.1952. 80 H756

2591 ROCKWELL, F. F. Keep them truly evergreen Home Gard. 20(5):15-17. Nov.1952. 80 H756

2592 ROCKWELL, F. F. Paint the garden with tulip colors. Home Gard. 20(4):17-21. Oct.1952. 80 H756

2593 ROEDING, G. C., JR. Spring flowering bulbs offer many possibilities for imaginative effects. Golden Gard. 17:6-7. Nov.1952. 80 G56

2594 ROGER-SMITH, H. Geraniums for the rock garden. Alpine Gard. Soc. Q. B. 20:259-263. Sept.1952. 84 AL6

2595 ROPER, L. An artist's garden in London. Gard. Illus. 69:284-287. Nov.1952. 80 G169

2596 ROTHWELL, S. B. Cymbidiums. Orchid Rev. 60:142-143. Sept.1952. 80 Or15

2597 ROWNTREE, L. Cyclamen neapolitanum: a European native for East and West. Home Gard. 20(5): 48-49. Nov.1952. 80 H756

2598 ROWNTREE, L. A visit to England. Flower Grower 39(11):22-23. Nov.1952. 80 M72

2599 RUEHLE, G. D. Some ornamental trees and shrubs native to south Florida. Fla. State Hort. Soc. Proc. 63:180-183. 1950,pub.1951. 81 F66

2600 SAMUELSON, A. A. Doubleness in bearded Iris and variety "Double Eagle." Amer. Iris Soc. B. 127:25-27. Oct.1952. 81 Am39

2601 SANDERS, S. Popular orchid growing. St. Albans,Herts,Eng.,1951. 75 p. 96.2 Sa52Or

2602 SARGENT, M. Planting the site. Architect. Rec. 112(3):197-203. Sept.1952. 296.8 Ar23

2603 SCHILLER, H. Gartengestaltung; die gestaltungsgesetze, planung und durchführung öffentlicher grünanlagen und privater gärten. Berlin,Parey,1952. 386 p. 98 Sch3

2604 SCHNEIDER, C. K. Einjahrsblumen für den kleingarten. Berlin,Gartenverlag,1951. 96 p. 97.41 Sch5

2605 SCHULZ, P. Gesneriads for house plants with a difference. Flower Grower 39(12):38-40. Dec. 1952. 80 M72

2606 SCHULZ, P. Grow Gloxinias the year round. Flower Grower 39(11):36-37,44. Nov.1952. 80 M72

2607 SCHWERDTFEGER, L. The king of Begonias. Gloxinian 2(2):6-8. Sept./Oct.1952. 96.06 G51

2608 SCOTT, E. L. Varieties. Natl. Chrysanthemum Soc. B. 8(3,sup.):3. Sept.1952. 96.519 Ea7

2609 SCOTT, W. E. Wisconsin tree monarchs. Wis. Conserv. B. 17(10):10-12. Oct.1952. 279.8 W752

2610 SCULLY, R. M. Dendrobium phalaenopsis. Amer. Orchid Soc. B. 21:783-786. Nov.1952. 80 Am329

2611 SECKMAN, M. C. How to bloom spring bulbs indoors. Pop. Gard. [Albany] 3(10):28-29,58-60,63. Oct.1952. 80 P812

2612 SHEPHERD, R. E. Rose pruning. Plants & Gard. (n.s.)8:130-132. Summer 1952. 450 P694

2613 SHEWELL-COOPER, W. E. Chrysanthemum growing. London,Wingate,1952. 183 p. 96.519 Sh5

2614 SHEWELL-COOPER, W. E. Guide to roses. London,Eng. U. Press,1952. 63 p. 96.1 Sh5G

2615 SHEWELL-COOPER, W. E. Herbaceous borders. Estate Mag. 52:424-426. Oct.1952. 10 Es8

2616 SINGLETARY, G. W., and ROGERS, MRS. G. W. Summer care of Chrysanthemums. Natl. Chrysanthemum Soc. B. 8(3,sup.):12-14. Sept.1952. 96.519 Ea7

2617 SKINNER, H. T. How to prune broad-leaved evergreens. Plants & Gard. (n.s.)8:136-138. Summer 1952. 450 P694

2618 STIRLING, W. Cypripedium stonei. Orchid Rev. 60:155-158. Oct.1952. 80 Or15

2619 STOUTEMYER, V. T. New and little-known plants adapted to California. Amer. Nurseryman 96(10): 11,44-49. Nov.15,1952. 80 Am371

2620 STOUTEMYER, V. T. An outline of floriculture at UCLA [University of California at Los Angeles]. South. Florist & Nurseryman 65(30):11-12. Oct.17,1952. 80 So86

2621 STRGAR, J. Christmasrose (Helleborus niger) (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:54-55. Feb.1952. 21.5 Sa1

2622 STUART, N. W., and GOULD, C. J. Curing and forcing Wedgewood Iris. Florists Exch. 119(14): 16,55-56. Oct.4,1952. 80 F666

2623 SUSINI, E. Minor aquatic plants. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:170-173. July/Aug. 1952. 86 R22

2624 SWANSON, E. L. Putting the garden to bed. Minn. Hort. 80:130. Oct.1952. 81 M66

2625 TABER, G. L. Interesting uses of woody plants. Fla. State Hort. Soc. Proc. 63:187-189. 1950,pub.1951. 81 F66

2626 TAVLINOVA, G.K. Preservation of Dahlias in dugouts. (In Russian.) Sad i Ogorod 9:73. Sept.1952. 80 Sa13

2627 THOM, D. B. Let's go shopping for tulips. Amer. Home 48(5):40-41,146,148. Oct.1952. 80 Am313

2628 TREVE, C. G. A pond in your garden. London, Seeley Serv.,1952. 62 p. 97.5 T72

2629 TRITENBACH, P. Araucarias—our fascinating skyline trees. Golden Gard. 17:4-5,14. Nov.1952. 80G56 California.

2630 TSVETAEVA, Z. Spring budding of roses. (In Russian.) Sad i Ogorod 6:74-75. June 1952. 80 Sa1

2631 TUKEY, H. B. Evergreen trimmings in window boxes. Plants & Gard. (n.s.)8:142-143. Summer 1952. 450 P694

2632 TYRRELL, C. L. Chrysanthemums for show. Gard. J. 2:138,156. Sept./Oct.1952. 80 G1635 Culture.

2633 UITEWAAL, A. J. A. Crassulaceae (Cr. corymbulosa). (In Dutch.) Succulenta 5:81-83. 1952. 450 Su12

2634 UNDERWOOD, R. M. The complete book of dried arrangements. New York,Barrows,1952. 193 p. 96.03 Un2

2635 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Transplanting and care of ornamental trees and shrubs. Beltsville,Md.,1952. 8 p. 1.965 A2T68

2636 VAN RENSSELAER, M. Metasequoia on the Pacific Coast. Gard. Club Amer. B. 40(6):30-31. Nov. 1952. 90.32 G16

2637 VELDE, H. V. D. Agave victoriae-reginae Moore. (In Dutch.) Succulenta 5:79-81. 1952. 450 Su12

2638 VEVERS, G. A lily for beginners. Countryman [Burford] 46:82-84. Autumn 1952. 281.28 C832
Lilium philippinense.

2639 VON ABRAMS, G. J. The value of basic knowledge. Amer. Rose Mag. 10(9):4-6. Sept.1952. 80 Am327A
Plant growth in relation to roses.

2640 WACHER, H. S. Shrubs for the rock garden. Alpine Gard. Soc. Q. B. 20:201-216. (Cont.) Sept.1952. 84 AL6

2641 WANDELEER, C. DE., and CHALTIN, G. Dallages fleuris. Cour. Hort. 14:426-427. Aug.1952. 80 C834

2642 WARD, E., JR. Winter protection of Chrysanthemums in the South. Natl. Chrysanthemum Soc. B. 8(3,sup.):37-38. Sept.1952. 96.519 Ea7

2643 WARD, F. G. Adventuring into the unknown. No. Amer. Gladiolus Council. B. 31:7-8. Sept.1952. 96.43 N81
Gladiolus breeding.

2644 WARD, F. K. Two neglected Rhododendrons. Gard. Chron. 132:114. Sept.20,1952. 80 G162

2645 WARD, P. L. Mums at Marblehead. Pop. Gard. [Albany] 3(10):41-43. Oct.1952. 80 P812

2646 WEDRICK, C. D. Tulips tried and true. Pop. Gard. [Albany] 3(10):24-25,52. Oct.1952. 80 P812

2647 WEISS, F. A. Know the odds when you gamble on hardiness. Home Gard. 20(5):31-35. Nov.1952. 80 H756

2648 WELLS, J. S. Fall seed sowing. Amer. Nurseryman 96(7):15,68-69. Oct.1,1952. 80 Am371

2649 WELLS, J. S. Pointers on propagation; young wood and old. Amer. Nurseryman 96(9):11,68-69. Nov.1, 1952. 80 Am371
Trees and shrubs.

2650 WIBEL, N. E. Easy bulbs for window glamour. Flower Grower 39(12):42-44. Dec.1952. 80 M72

2651 WILLS, J. The Indians grew Irises. Amer. Iris Soc. B. 127:13-14. Oct.1952. 81 Am39

2652 WILSON, E. W. How to have fun with a purpose. Home Gard. 20(4):27-29. Oct.1952. 80 H756
Gourds.

2653 WILSON, R. Bletilla striata—a hardy orchid. Orchid J. 1:240. May/June 1952. 80 Or174

2654 WOLFE, H. S. Factors affecting cold resistance in Florida ornamental plantings. Fla. State Hort. Soc. Proc. 64:203-205. 1951,pub.1952. 81 F66

2655 WOOD, A. H., JR. How to handle an afterthought. Home Gard. 20(5):68-70. Nov.1952. 80 H756
Landscape gardening.

2656 WOOD, H. Fall planting coast to coast. Family Circle 41(4):110-111. Oct.1952. 321.8 F21
Planting chart for ornamentals.

2657 WRIGHT, A. New trends in African violets. Pop. Gard. [Albany] 3(10):22-23,44. Oct.1952. 80 P812

2658 WYMAN, D. Autumn color. Arnoldia 12:53-59. Oct.17,1952. 451 Ar6Ba

2659 WYMAN, D. Trimming hedges. Plants & Gard. (n.s.)8:125-129. Summer 1952. 450 P694

2660 YOUNGER, R. W. Some decorative tulip species. Gard. Illus. 69:254-255. Oct.1952. 80 G169

Vegetable and Truck Crops (Including Potatoes)

2661 ANSELMI LAUKIN, M. S. Es necesaria la creación de un instituto para el estudio de la papa. Mensajero Agr. 75:47-48. (Cont.) Aug.1952. 9.8 M52
Peru.

2662 ANSELMI LAUKIN, M. S. Es necesaria la creación de un instituto para el estudio de la papa. Mensajero Agr. 74:48-50. (Cont.) June/July 1952. 9.8 M52
Cultural research for Peru.

2663 APPEL, G. O. Die wirkung der infektionsquellen und der umwelteinflusse auf die erhaltungszucht der kartoffel. Züchter 22:161-163. 1952. 442.8 Z8

2664 ARCHIMOWITSCH, A. VON. Cuatro años de ensayos sobre el problema de obtención de patata de siembra en regadios de Castilla. Spain. Inst. Nac. de Invest. Agron. B. 12:179-193. June 1952. 105.6 Sp14

2665 ARRONIZ, C. Cultivos de huerta, coliflores. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 2-52 H,12 p. Jan.1952. 15 H68

2666 ASAKURA, K., ed. Sosai hinshu kaisetsu [Explanation of varieties of vegetables]. Tokyo,Asakura Shoten,1952. 250 p. 91 As1

2667 AVROV, N. N. Summer crop of parsley as greens. (In Russian.) Sad i Ogorod 6:76-77. June 1952. 80 Sa13

2668 BALASHEV, N. N., and KRIUCHKOVA, A. F. Growing seed potatoes in Uzbekistan. (In Russian.) Sad i Ogorod 6:67-70. June 1952. 80 Sa13

2669 BALÍÛKOV, I. M. Special features of the agricultural technique used for the onion seedling in the north in the Yenisei region. (In Russian.) Sad i Ogorod 3:62-63. Mar.1952. 80 Sa13

2670 BANGA, O. The further development of the variety trials after the Danish system. (In Dutch.) Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 32:9-19. Mar.1952. 86 W12
English summary.
Vegetables.

2671 BARTEN, D., and others. Public discussions of the principles, the operating and the results of the variety trials after the Danish system. (In Dutch.) Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 32:24-51. Mar.1952. 86 W12
K. Bakker, R. Zwaan, and N. Veldhuyzen van Zanten, joint authors.
English summary.
Vegetables.

2672 BATCHELDER, H. The Jerusalem artichoke. Herbarist 17:25-29. Ref. 1951. 80 H41

2673 BECKER-DILLINGEN, J. Tomaten-sortenversuch Weihenstephan 1951. Unser Wegweiser im Obstbau-Gart.-Kleintierhof 7:125. June 1952. 18 Un7

2674 BEEKOM, C. W. C. VAN. Uien en sjalotten [Onions and shallots]. Netherlands. Tuinbouwvoorlichtingsdienst. Meded. 49,132 p. 1952. 86 N382

2675 BELLOT., and others. Compte-rendu des resultats de deux essais comparatifs de divers écartements pour les cultures de pommes de terre de saison (campagne 1950). Terre Marocaine 274:334-341. Sept. 1952. 24 T44
Bouhelier, Cuenot, and Praloran, joint authors.

2676 BEN-YEHUDA, S. Our experience with onions (instructions). (In Hebrew.) Hassadeh 32:372-373. May 1952. 26 H27

2677 BERGER, K. C. Legumes for the potato rotation. Badger Common 'Tater 5(9):4. Sept.1952. 75.8 B

2678 BEWLEY, W. F., and HARNETT, J. The cultivation of mushrooms. Ed. 3, rev. and enl. London,Anglo-Scottish Press,1951. 104 p. 91.7 B46

2679 BIANCHEDI, A. Aptitude tests for potatoes in the mountain estates of Cansiglio. (In Italian.) Agricoltura 1(9):32-36. Sept.1952. 16 Ag8226
Varietal tests.

2680 BLANKHOLM, E. Tested varieties for fall planting. (In Danish.) Gart.-Tid. 68:326-327. Sept.8, 1952. 80 G192
Vegetables.

2681 BLINKOV, R. T. Experiments in growing select potatoes on collective farms. (In Russian.) Sad i Ogorod 8:68-69. Aug.1952. 80 Sa13

2682 BLOIS, P. DE. Le blanchissement des légumes Cour. Hort. 14:437-438. Aug.1952. 80 C834

2683 BOSWELL, V. R. Plant breeding and the vegetable industry. Econ. Bot. 6:315-341. Ref. Oct./Dec. 1952. 450 Ec7

2684 BRAUN, O. Gemüsebau in den tropen Boliviens. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:199-201. Sept.1952. 105.9 K696
English summary.

2685 BREZHNEV, D. D., and ALEKSANDROV, S. V New system of seed production of hothouse varieties of tomatoes and cucumbers. (In Russian.) Sad i Ogorod 6: 54-57. June 1952. 80 Sa13

2686 BRINK, N. P. Sorting of tomato seeds increases the crop. (In Russian.) Selek. i Semen. 19(9): 59-61. Sept.1952. 61.9 Se5

2687 BRUK, A. B. Formation of suburban vegetable and dairy zones in the Rostov Region. (In Russian.) Sad i Ogorod 3:38-41. Mar.1952. 80 Sa13

2688 BUDIN, K. Z. Selection of new potato seedlings. (In Russian.) Selek. i Semen. 19(4):28-33. Apr. 1952. 61.9 Se5

2689 BUGROVA, V. P., and others. Wider application of the heat method in preserving onions for planting. (In Russian.) Sad i Ogorod 8:44-47. Aug.1952. 80 Sa13
E. N. Gorokhova, A. P. Karpovskaîa, N. N. Kokina, F. G. Milíûkov, N. A. Palilov, and V. S. Rastrepina, joint authors.

2690 BURDETT, J. H. Tomatoes and cucumbers grown on the garden fence. Plants & Gard. (n.s.)8:154-155. Summer 1952. 450 P694

2691 CAMPBELL, J. A., and BAIN, D. C. New tomato named Kopiah developed at Truck Crops Branch Experiment Station. Miss. Farm Res. [Miss. Sta.] 15(9): 1,7. Sept.1952. 100 M69Mi

2692 CAMPBELL, J. A. Varieties, diseases and fertilization are studied at Truck Crops Station. Miss. Farm Res. [Miss. Sta.] 15(9):2,8. Sept.1952. 100 M69Mi

2693 CAPULER, B. Vegetable gardens in the Negev. (In Hebrew.) Hassadeh 32:460-461. (Concl.) July 1952. 26 H27

2694 CAREW, J., WORK, P., and WIEBE, J. Try those new vegetable varieties in 1952. Ithaca, N. Y., Cornell U., Col. Agr.,1952? 2 p. 91 C18

2695 CARR, A. R. Growing spring cucumbers. Queensland Fruit & Veg. News 2(37):17-18. July 25, 1952. 280.38 Q3

2696 CATALINA, L. Selección de patata para siembra. Cult. Mod. 35:293-294. Aug.1952. 15 C89

2697 CAVIA, C. E., and CARUSO, S. A. Conservación de semilla de papa variedad Katahdin en la región sudeste de la Pcia. de Buenos Aires. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 3(30):16-21. Dec.1951. 9 Ar35

2698 CAVIA, C. E. Influencia de subregiones de la región de Rosario sobre papa Katahdin para semilla. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 3(30):22-26. Dec.1951. 9 Ar35

2699 CHESKO, V. A. Cultivation of vegetable crops by a close, mixed, planting method. (In Russian.) Sad i Ogorod 3:54-56. Mar.1952. 80 Sa13

2700 CHULKOVA, E. I. New cabbage varieties. (In Russian.) Sad i Ogorod 6:62-63. June 1952. 80 Sa13

2701 CIZIK, B. Melon growing in Israel. (In Hebrew.) Hassadeh 32:466-468., (Cont.) July 1952. 26 H27

2702 COHEN, A. An autumn nursery for sweet potatoes. (In Hebrew.) Hassadeh 32:461-462. July 1952. 26 H27

2703 CRNKO, J. Ensayos horticolas regionales. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(53):11-14. May 1952. 9 Id3
Vegetable varieties and culture in Argentina.

2704 CRUZ, C. A. R. DA N. Experimental work and improvement in peas (Pisum sativum L.). (In Portuguese.) Rev. Agron. [Porto Alegre] 16:76-80. Apr./June 1952. 9.2 R325
Brazil.

2705 CRUZ, C. A. R. DA N. Experimental work and improvement of tomatoes (Lycopersicon esculentum Mill.). (In Portuguese.) Rev. Agron. [Porto Alegre] 16: 113-116. Apr./June 1952. 9.2 R325

2706 DAWE, T. C. R. Growing peas for canning in Pukekohe District. New Zeal. J. Agr. 85:229,231. Sept. 15,1952. 23 N48J

2707 DEFRECHEUX, C. Culture maraîchère. B. Hort. (n.s.)7:244-245. Aug.1952. 80 B873

2708 DEFRECHEUX, C. Culture maraîchère. B. Hort. (n.s.)7:272. Sept.1,1952. 80 B873

2709 DOBRENOV, M. Vermehrung der kartoffeln durch stecklingen. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6):153-157. 1951. 21.5 Y9
German summary.

2710 DOUGLAS RODILES, W. E., and ALVAREZ AZCUE, A. E. Estudios preliminares para establecer en Cuba una planta de pimentón. Agrotecnia 7:25-33. July/Aug.1952. 8 Ag825

2711 ENZIE, W. D. Evaluation guides in developing new vegetable varieties. Quick Frozen Foods 15(2):59,61, 129-130. Sept.1952. 389.8 Q4

2712 FILIPPOV, A. S. Achievements in potato selection. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:82-85. Mar.1952. 20 D742

2713 FUJISE, K., NAKAMATA, T., and YUNOUE, T. Studies on the combining abilities of the various varieties of sweet potatoes. I. An investigation of the cross combinations used for breeding in past. (In Japanese.) Kyushu Noji Shikino 8:49-50. Oct.1951. 107.6 K996

2714 GILMAN, W. Fresh vegetables the year around. Pop. Gard. [Albany] 3(11):34,44. Nov.1952. 80 P812

2715 GOĬKO, V. A. Experiment in close planting of tomatoes and radishes in the [open] ground. (In Russian.) Sad i Ogorod 3:57-58. Mar.1952. 80 Sa13

2716 GONZALEZ DIAZ, E. Estudio comparativo de variedades de papa Canso y Pontiac. Agrotecnia 7: 12-16. July/Aug.1952. 8 Ag825

2717 GROSBERG, A. Vegetable gardening of a suburban collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(9):20-23. Sept.1952. 281.8 K83

2718 GUIMARÃES, F. F. Experimental work and improvement in onions (Allium cepa L.). (In Portuguese) Rev. Agron. [Porto Alegre] 16:86-95. Apr./June 1952. 9.2 R325

2719 GUIMARÃES, F. F. Experimental work and improvement of American potato (Solanum tuberosum L.). (In Portuguese.) Rev. Agron. [Porto Alegre] 16: 117-128. Apr./June 1952. 9.2 R325

2720 GUSEV, L. A., and ERINA, R. I. 13.9 centners of beet seeds from a hectare. (In Russian.) Selek. i Semen. 19(9):62-63. Sept.1952. 61.9 Se5

2721 GZELIDZE, A. M. Potato planting in the spring under the cover of corn. (In Russian.) Selek. i Semen. 19(5):78. May 1952. 61.9 Se5

2722 HAUCK. Betrachtungen zur kartoffelernte. Bad. Landwirt. Wchnbl. 119:668-669. Sept.27,1952. 18 B142

2723 HILLS, W. A., and WOLF, E. A. Adaptability of vegetable varieties to southeast Florida. Fla. State Hort. Soc. Proc. 64:100-104. 1951,pub.1952. 81 F66

2724 HOLMBERG, D. M., and MINGES, P. A. Tomato culture: the case for field seeding. West. Grower & Shipper 23(11):38-39. Oct.1952. 280.38 W52

2725 HOW TO lick the high cost of tomato harvesting. West. Grower & Shipper 23(11):42-45. Oct.1952. 280.38 W52
Harvesting methods.

2726 IVANSKAIA, V. I. Effect of close planting upon plants under irrigation. (In Russian.) Sad i Ogorod 3:41-43. Mar.1952. 80 Sa13
Vegetables.

2727 JACKSON, A. A. The influence of the covering soil on the production of witloof chicory. Roy. Hort. Soc. J. 77:380-382. Oct.1952. 84 L84J

2728 JACOBSEN, H. P. Harvesting export potatoes. (In Danish.) Dansk Landbr. 71:416-417. Aug.28,1952. 280.28 V91

2729 JANES, E. R. My onions. Guilford,Surrey, My Garden,1951? 29 p. 91.44 J25

2730 JONES, H. A. Hybrid onions. Gard. Chron. 132:94. Sept.6,1952. 80 G162

2731 KATO, K. Seiyo yasai no saibai to riyoho [How to raise and use the western vegetables]. Tokyo, Hakuyusha,1951. 364 p. 91 K15S

2732 KAZAKOVA, A. A. Vegetative propagation of indigenous onions. (In Russian.) Sad i Ogorod 7:59-60. July 1952. 80 Sa13

2733 KELBERT, D. G. A. New vegetable varieties for Florida. Fla. State Hort. Soc. Proc. 63:108-112. 1950,pub.1951. 81 F66

2734 KENNELLY, A. G. Shallots: an easily grown crop in home gardens. New Zeal. J. Agr. 85:125-126. Aug.15,1952. 23 N48J

2735 KHVATOVA, K. A. Intervarietal crossing of peas. (In Russian.) Selek. i Semen. 19(8):23-27. Aug. 1952. 61.9 Se5

2736 KOERT, J. L. The introduction of the so-called Danish system in the variety trials of onions. (In Dutch.) Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 32:20-23. Mar.1952. 86 W12
English summary.

2737 KOPILOVICH, O. I. Trench method for the preservation of seed onions. (In Russian.) Sad i Ogorod 8:70. Aug.1952. 80 Sa13

2738 KRAEMER, J. P. Trends speed cannery pace. Food Engin. 24(11):98-101. Nov.1952. 389.8 F737
Methods and equipment in growing and processing peas.

2739 KRASOCHKIN, V. New varieties of vegetable crops for the collective farms of the North [of U.S.S.R.]. (In Russian.) Kolkhoz. Proizvodstvo 12(8):54-55. Aug. 1952. 281.8 K83

2740 KUCHEROV, I. F. Two potato crops annually. (In Russian.) Sad i Ogorod 3:71-72. Mar.1952. 80 Sa13

2741 KYUSHU, JAPAN. AGRICULTURAL EXPERIMENT STATION. DIV. OF HORTICULTURE. Sosai no hinshu to saibai [Varieties and raising of vegetables]. Fukuoka,Nishi Nippon Shuppansha,1951. 234 p. 91 K99

2742 LASNET DE LANTY, H. La truffe, merveille des merveilles. Rustica 25:848,857. Sept.7,1952. 14 R92
Includes culture.

2743 LAVRENT'EVA, M. I. Potato culture in the Pechora polar regions. (In Russian.) Sad i Ogorod 4:60-61. Apr.1952. 80 Sa13

2744 LAZAREVA, A. G. Making use of crossing within the species in the selection of potatoes. (In Russian.) Selek. i Semen. 19(9):67-68. Sept.1952. 61.9 Se5

2745 LEBEDEV, M. N. Growing tomato seedlings. (In Russian.) Sad i Ogorod 4:49-51. Apr.1952. 80 Sa13

2746 MCANALLY, J. N. Bean growing and marketing. Queensland Fruit & Veg. News 1(26):11-13. May 4, 1951. 280.38 Q3

2747 MAKAROVSKIĬ, A. F., and PODMOGAEVA, M. I. Inter-varietal hybrids of cucurbits. (In Russian.) Selek. i Semen. 19(6):48-55. June 1952. 61.9 Se5

2748 MAPPES, F. Neue versuchsergebnisse und erfahrungen aus dem gemüsebau. Ratschläge f. den Bauernhof 6,63 p. 1951. 18 L62

2749 MEL'NIKOV, V. A. Technique of check-hill potato planting. (In Russian.) Sad i Ogorod 3:68-71. Mar.1952. 80 Sa13

2750 MILELLA, A. Turnip broccoli. (In Italian.) Frutticolt. Campana 1(19):1,5. Oct.5,1951. 80 F9474

2751 MINAMIKAWA, K., and HARADA, T. Studies on the late sown culture of heading Chinese cabbages. I. On the adaptability of the varieties and the growth process. (In Japanese.) Kyushu Noji Shikinjo 8:69-70. Oct.1951. 107.6 K996

2752 MINGUZZI, L. Sowing, transplanting, planting of vegetables for autumn-spring harvesting. (In Italian.) Humus 8(7/8):32-33. July/Aug.1952. 16 H88

2753 MOELLER, S. Progress in the cultivation of autumn potatoes. (In Hebrew.) Hassadeh 32:464-466. July 1952. 26 H27

2754 MOROCCO. SERV. DE L'HORTICULTURE. MISSION HORTICOLE. Compte-rendu des résultats des essais de 11 variétés de pommes de terre en provenance de Hollande. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 18:3314-3317. July 1952. 24 C352

2755 MORRISON, G. Root crop storage. Flower Grower 39(11):25,45. Nov.1952. 80 M72

2756 MURATOVA, E. V. Effect of conditions of growth and care of seed onion upon the crop. (In Russian.) Sad i Ogorod 3:58-61. Mar.1952. 80 Sa13

2757 MUSATOV, S. How we obtained 458,5 centners of potatoes per hectare. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:34-35. Mar.1952. 20 D742

2758 NAITO, N. On the varieties suitable for tomato puree (part of specification). (In Japanese.) Kyushu Noji Shikinjo 8:79-80. Oct.1951. 107.6 K996

2759 MYERS, F. E. Grower practice influenced by research? Fla. State Hort. Soc. Proc. 64:96-98. 1951, pub.1952. 81 F66
Vegetables.

2760 NATSENTOV, D. I. Large crop of cucumbers in hothouses. (In Russian.) Sad i Ogorod 3:43-45. Mar. 1952. 80 Sa13

2761 NEMCHIN, F. I. Influence of [planting] time on potato crop planted in the summer. (In Russian.) Selek. i Semen. 19(8):60-62. Aug.1952. 61.9 Se5

2762 NESTERENKO, V. T. Preservation of potato seedlings for summer planting. (In Russian.) Sad i Ogorod 9:69-71. Sept.1952. 80 Sa13
Sprout prevention.

2763 NEUHAUSER, M. B. Soybean sprouting. Org. Gard. 20(10):12-13. Oct.1952. 56.8 Or3

2764 NEW JERSEY. DEPT. OF AGRICULTURE. A review of the inspection and certification work of New Jersey late crop white potato seed in 1951. Trenton, 1952. 7 p. 75.9 N47

2765 NILSSON, R. Mechanical injuries to potatoes. (In Swedish.) Lantmannen 36:752-754. Sept.20,1952. 11 L234
Harvesting and storage.

2766 NISSLEY, C. H. Pumpkins and squashes in New Jersey. N. J. Agr. Col. Ext. L. 91,11 p. Aug.1952. 275.29 N46L

2767 NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Cabbage production guide. N. C. Agr. Col. Ext. Folder 89,6 p. May 1952. 275.29 N811Ex

2768 NOZAKI, N. Yasai no tsukuri-kata [Method of vegetable cultivation]. Tokyo,Chikuyo Shobo,1952. 198 p. 91.15 N87

2769 OCHSE, J. J. Two vegetables for south Florida. Fla. State Hort. Soc. Proc. 64:104. 1951,pub. 1952. 81 F66
Ipomoea reptans and Cyclanthera pedata.

2770 ODA, K. Kaitei sosai-en junikagetsu [The vegetable garden in the 12 months]. Rev. ed. Tokyo, Asakura Shoten,1951. 629 p. 91 Od1K

2771 OGLUZDIN, S. D. Concentration of vegetables in hotbeds. (In Russian.) Sad i Ogorod 4:46-48. Apr. 1952. 80 Sa13
Cucumbers and tomatoes.

2772 ONISHCHENKO, A. I. Distribution of potato roots in relation to methods of planting. (In Russian.) Agrobiologiia 3:138-140. May/June 1952. 20 Ag822

2773 ONISHCHENKO, A. I. Wider application of accelerated propagation of potatoes. (In Russian.) Sad i Ogorod 3:66-68. Mar.1952. 80 Sa13

2774 ORDYNSKIĬ, V. V. Mass selection of vegetables on collective farms in the Gor'ki Region. (In Russian.) Sad i Ogorod 7:55-58. July 1952. 80 Sa13

2775 OSIPOV, K. I. Experiments in planting potatoes in the summer in the Chelyabinsk Region. (In Russian.) Selek. i Semen. 19(9):52-55. Sept.1952. 61.9 Se5

2776 OSIPOV, V. S. Preparation of seedlings of biennial cultures for planting. (In Russian.) Sad i Ogorod 3:52-53. Mar.1952. 80 Sa13
Chiefly cabbage.

2777 PAEZ CLIVIO, J. Algunas recomendaciones para el cultivo de la papa. Agronomia [Lima] 17(70):41-46. July 1952. 9.8 Ag83
Peru.

2778 PAIATSYK, V. V. Reserves [seed] to be used to increase the vegetable crop. (In Russian.) Sad i Ogorod 4:36-39. Apr.1952. 80 Sa13

2779 PEREGUDT, M. F. Effectiveness of interbreeding onion varieties. (In Russian.) Sad i Ogorod 3: 61-62. Mar.1952. 80 Sa13

2780 PERLOVA, R. L., and MATĬUSHEVSKAIA, M. I. Tests of certain species of potatoes in the Principal Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:43-48. 1951. 451 M854

2781 PETROV, N. P. Experiments in planting potatoes in check hills. (In Russian.) Sad i Ogorod 4:54-56. Apr.1952. 80 Sa13

2782 PIOVANO, A. P. Cultivo de la coliflor. Chacra 22(262):42,52. Sept.1952. 9 C34

2783 PIOVANO, A. P. Cultivo de la espinaca. Pampa Argentina 25(296):15. Aug.1952. 9 P19

2784 PIOVANO, A. P. Melones. Chacra 22(263):40. Oct.1952. 9 C34
Varieties in Argentina.

2785 PIOVANO, A. P. Variedades de espinacas y producción de semilla. Pampa Argentina 25(297):8,29. Sept.1952. 9 P19

2786 PLAUT, M., and LACHOVER, D. Chickory - growing prospects in Israel. (In Hebrew.) Hassadeh 32:493-495. July 1952. 26 H27

2787 PLINKA, A. D. One-year onion variety of the Gribovskaia Vegetable Selection Station. (In Russian.) Sad i Ogorod 8:50-53. Aug.1952. 80 Sa13

2788 PLOPER, J. En época de escasez llega a los consumidores el tomate tucumano. Mundo Agr. 4(39):68. Aug.1952. 9 M92
Culture.

2789 POOLE, C. F. Seedling improvement in sweet potato. Hawaii. Agr. Expt. Sta. Tech. B. 17,16 p. Aug.1952. 100 H313T

2790 POPOVA, E. M. Selection of varieties for a year-round supply of new cabbage for the population. (In Russian.) Sad i Ogorod 3:51-52. Mar.1952. 80 Sa13

2791 POTTER, F. G. The forcing of early vegetables. Roy. Hort. Soc. J. 77:371-377. Oct.1952. 84 L84J

2792 PRAILL, F. E. M. When 'late forcing' crops are worth a gamble. Grower [London] 38:762-764. Oct.18,1952. 286.83 M34
Vegetables.

2793 PRUGLO, V. V. Valuable native bean variety—the white-seed Frunze. (In Russian.) Selek. i Semen. 19(5):37-40. May 1952. 61.9 Se5

2794 RAGIMOV, M. A. Artichokes in Azerbaidzhan. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:80-81. 1951. 451 M854

2795 RAKITIN, IU. V. Inhibition of sprouting of potato tubers. (In Russian.) Priroda 41(5):106-109. May 1952. 410 P933
Experiments with chemical preparations.

2796 RICHARDSON, A. M. Carrots and beetroot in the Lockyer Valley. Queensland Fruit & Veg. News 2(16):27-28. Mar.7,1952. 280.38 Q3
Culture.

2797 RIGOT, N. Etude du comportement de dix-neuf variétés de pommes de terre dans les essais comparatifs de rendement. Ann. de Gembloux 58:149-162. Third Q.1952. 13 G28

2798 ROCHA GARCIA, G. DE LA. El cultivo de las vainitas. Agronomia [Lima] 17(70):85-89. July 1952. 9.8 Ag83
Peru.

2799 ROCHA GARCIA, G. DE LA. El cultivo de las vainitas. Vida Agr. [Lima] 29:553,555-558. July 1952. 9.8 V66
Peru

2800 ROSS, A. A. Cucumbers, rockmelons and related crops. Queensland Fruit & Veg. News 1(26):4-5. (Cont.) May 4,1951. 280.38 Q3
Culture.

2801 ROTHGEB, R. G. Sweet corn field trials of 1950. Md. Agr. Expt. Sta. Misc. P. 106,8 p. Feb.1951. 100 M36M

2802 SACCO, F. Contribution to the selection of varieties in the cultivation of potatoes. (In Italian.) Mondo Agr. 3(36):6. Sept.7,1952. 16 M74
Italy.

2803 SANSOM, C. H. On watercress; water needs and propagation. Fruit-Grower 2964:693-694. Oct.16, 1952. 80 F941

2804 SCHOENEMANN, J. A. About some newer potato varieties. Badger Common 'Tater 5(9):6-7. Sept.1952. 75.8 B14

2805 SCHOENEMANN, J. A. Potato vine killing. Badger Common 'Tater 5(8):10. Aug.1952. 75.8 B14

2806 SEELIG, R. A. Fruit & vegetable history: cucumbers. Fruit & Veg. Rev. 14(7):16-17. Oct.1952. 80 C1224

2807 SEMENKO, A. M. Superior experiment in growing cucumber seeds. (In Russian.) Sad i Ogorod 3:45-48. Mar.1952. 80 Sa13

2808 SEMENOV, S. D. Starch content of potato tubers. (In Russian.) Selek. i Semen. 19(7):28-36. July 1952. 61.9 Se5

2809 SENIUSHKIN, A. E. New variety of sweet pepper. (In Russian.) Sad i Ogorod 6:75. June 1952. 80 Sa13
High ascorbic acid content.

2810 SHAKUROV, V. Z. Increase of vitality in pea varieties. (In Russian.) Selek. i Semen. 19(7):43-49. July 1952. 61.9 Se5
Hybridization.

2811 SHEWELL-COOPER, W. E. Guide to salads and herbs. London,Eng. U. Press,1952. 64 p. 91 Sh5

2812 SHIKINA, A. P., and BUKREEVA, E. V. Proizvodstvennyĭ opyt vozdelyvaniĭa kartofelĭa v kolkhoze "Luch Vostoka" [Industrial practices in potato culture on Luch Vostoka Collective Farm]. Alma-Ata,Akademiia Nauk Kazakhskoĭ SSR,1951. 35 p. (Nauchno-Populĭarnaia Seriĭa) 75 Sh62

2813 SHILOVA, S. N. Winter crop of spinach. (In Russian.) Sad i Ogorod 8:55-56. Aug.1952. 80 Sa13

2814 SINGLETON, G. Varieties of vegetables suitable for freezing. Fla. State Hort. Soc. Proc. 64:144-148. 1951,pub.1952. 81 F66

2815 SKULJ, A. Let's produce more onions. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:52-53. Feb.1952. 21.5 Sa1

2816 SMERTKIN, V. D. Fall planting of onion seedlings in the Krasnodar Territory. (In Russian.) Sad i Ogorod 9:58-59. Sept.1952. 80 Sa13

2817 SMITH, O. Finish the job with profit. Guide Post 30(10):3-5. Oct.1952. 75.8 G94
Harvesting, handling and grading of potatoes.

2818 SMOLINA, T. V. Growing cabbage by planting seeds in the [open] ground. (In Russian.) Sad i Ogorod 3:49-50. Mar.1952. 80 Sa13

2819 SPEER, H. L. The vegetable deal in the muck lands of Palm Beach County. Fla. State Hort. Soc. Proc. 64:122-125. 1951,pub.1952. 81 F66

2820 STACHWICK, G. T. Recommended potato production practices. Nebr. Agr. Col. Ext. E. C. 1276, 10 p. Aug.1952. 275.29 N272Ex

2821 STEFFEN, G. Kartoffelernte mit geringsten knollenbeschädigungen. Deut. Landwirt.-Gesell. Mitt. 67: 615-616. Aug.30,1952. 18 N39

2822 STOLLER, B. B. Studies on the function of the casing for mushroom beds. I. M G A Bulletin 34:289-297. Oct.1952. 80 M97

2823 STRONG, M. C. Effects of certain environmental conditions on the production of greenhouse tomatoes. Mich. Agr. Expt. Sta. Q. B. 35:3-9. Aug.1952. 100 M58S

2824 SUGIYAMA, N. Sosaigaku bonron [A general study of vegetable cultivation]. Tokyo,Yokendo,1951. 210 p. (Nogaku Zensho) 91 Su3

2825 SVENSSON, E. Good potato harvesting methods. (In Swedish.) Lantmannen 36:749-751. Sept.20,1952. 11 L234

2826 TAKEBE, Y. Senshutamanegi no keizaiteki kenkyu [Economic research of the 'Senshu' onions]. Tokyo,Fuminsha,1952. 132 p. 91.44 T13

2827 TAKEKAWA, M. Suika to tamanegi no saibai gijutsu [Technique of raising the watermelon and the onion]. Tokyo,Buntokusha,1951. 186 p. 91 T132

2828 TAMM, R. K. Influence of the feeding area of seed plants upon the seed crop. (In Russian.) Sad i Ogorod 4:41-43. Apr.1952. 80 Sa13
Vegetables.

2829 TANAKA, M. On the varieties suitable for tomato puree (part of cultivation). (In Japanese.) Kyushu Noji Shikinjo 8:76. Oct.1951. 107.6 K996

2830 TOYOOKA, J., and YOSHITAKE, S. Studies on the flower bud formation of Chinese cabbage (var. Shimago). (In Japanese.) Kyushu Noji Shikinjo 8:71-72. Oct.1951. 107.6 K996

2831 TREE, E. F. Tomatoes in Bowen. Queensland Fruit & Veg. News 2(38):25-26. Aug.1,1952. 280.38 Q3

2832 TREVENA, N. F. Early tomatoes; production in northern Victoria. Victoria. Dept. Agr. J. 50:359-362. Aug.1952. 23 V66J

2833 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The National Onion-Breeding Program, 1951; seventh annual report to cooperators. Beltsville,1952. 111 p. 1.965 F41V21

2834 URBAN, H. Beachtet den saatkartoffelbau im bayerischen wald! Landwirt. Wchnbl. 142:1128-1129. Oct.4,1952. 18 L2338

2835 URRUTIA N., E. El cultivo del camote en la provincia de Lima. Vida Agr. [Lima] 29:561,563,565, 567,569,571. July 1952. 9.8 V66

2836 USHAKOVA, E. Late-autumn planting of vegetables. (In Russian.) Kolkhoz. Proizvodstvo 12(9): 55-57. Sept.1952. 281.8 K83

2837 VAN VUREN, J. P. J. Potato cultivation. Farming So. Africa 27:355-357. July 1952. 24 So842

2838 VASIL'EV, A. S., and others. Selekt̆siĭa i semenovodstvo kartofelĭa na Urale [Selection and seed production of potatoes in the Ural area]. Sverdlovsk, Sverdlovskoe Obl. Gos. Izd-vo,1951. 179 p. 75 V44
A. IA. Kameraz, E. N. Koheleva, and I. M. Prussakov, joint authors.

2839 WALTHER, R. Untersuchungen an gurken und tomaten zur schnelleren gewinnung von hochwertigem saatgut. Saatgut-Wirt. 4:185-187. (Cont.) Ref. Aug.1952. 61.8 Sa1

2840 YARNELL, S. H. The role of the Regional Vegetable Breeding Laboratory in breeding and testing new vegetable varieties. Fla. State Hort. Soc. Proc. 63: 102-108. 1950,pub.1951. 81 F66

2841 ZAITSEVA, A. A. Pollination in crossing legume crops. (In Russian.) Selek. i Semen. 19(6):55-57. June 1952. 61.9 Se5
Peas.

2842 ZELENOVA, I. N. Influence of supplementary pollination upon the crop of pumpkins. (In Russian.) Sad i Ogorod 6:75-76. June 1952. 80 Sa13

WEEDS AND POISONOUS PLANTS

2843 AHRER, K. Bekämpfung des borstgrases. Bauer 4(35):8-9. Oct.20,1951. 19 B32

2844 ARASHI, K., and KUNITAKE, M. Studies on the distribution of weeds in the paddy field on which rice seeds were sown directly, with special reference of soil moisture. (In Japanese.) Kyushu Noji Shikinjo 8:23-24. Oct.1951. 107.6 K996

2845 BAKKE, A. L. Control of perennial herbaceous weeds. Canada and perennial sow thistle. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:1-6. 1950, pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2846 BLACKBURN, F. H. B., HANSCHELL, D. M., and CLARKE, M. Some aspects of weed control in Trinidad. Trop. Agr. [St. Augustine] 29:54-69. Jan./Mar.1952. 26 T754

2847 BLACKMAN, G. E. El desarrollo de los métodos químicos para el control selectivo de las malas hierbas. An. de Edafología y Fisiol. Veg. 11:309-322. May/June 1952. 506 Sp12

2848 BRICEÑO, R. Empleo y acción de los herbicidas. Campesino [Santiago] 84(7):12-13,15. July 1952. 9.3 So12

2849 CHEMICAL control of weeds. So. African Sugar J. 36:545,547,549,553,555. Sept.1952. 65.8 So8
Includes bibliography.

2851 CORNS, W. G., and FRANKTON, C. Hoary cresses in Canada with particular reference to their distribution and control in Alberta. Sci. Agr. 32:484-495. Ref. Sept.1952. 7 Sci2

2850 CHESALIN, G. A. Khimicheskie mery bor'by s sornîakami [Chemical measures for weed control]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1951. 15 p. 79 C42K

2852 COUPLAND, R. T. Control of perennial herbaceous weeds. Hoary cress, Russian knapweed and all other perennial herbaceous weeds. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:34-52. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.
Includes classification of response of 51 herbacious perennials to herbicides.

2853 CRUICKSHANK, J. A. Agricultural chemicals—use is increasing in Canada. Agr. Inst. Rev. 7(5): 26-28. Sept.1952. 7 Ag8
Herbicides, insecticides, and fungicides.

2854 CURTIS, O. F. JR. New and old ways of killing woody weeds. Farm Res. [N. Y. State Sta.] 18(3):2. July 1952. 100 N48A

2855 DICKSON, B. T. Three notable developments in agriculture; 1952 Farrer Oration. Agr. Gaz. N. S. Wales 63:401-404. (Cont.) Aug.1952. 23 N472
Eradication of the prickly pear in Australia, including biological control with Cactoblastis cactorum.

2856 DUTTON, W. C. New herbicides. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:170-226. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2857 EHRENPFORDT, V. Zur frage der direkten ertragssteigerung durch unkrautbekämpfungsmittel auf hormonbasis. Deut. Landwirt. 3:493. Sept.1952. 18 D4822

2858 ELAM, F. L. Goats cleared our brush. West. Livestock J. 30(42):37,46,51,55. July 15,1952. 6 F2278

2859 ELDER, W. C. Control of weeds in field crops. Sorghums. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:104-107. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2860 ENGEL, R. E. Controlling crabgrass [Digitaria] in the lawn. N. J. Agr. Col. Ext. L. 92,7 p. Aug. 1952. 275.29 N46L

2861 FARNHAM, M. Continuing program needed to eradicate Poa annua. Golfdom 26(4):87-89. Apr.1952. 60.18 G58

2862 FISHER, C. E. Control of woody plants with herbicides. Sheep & Goat Raiser 32(12):18-19. Sept.1952. 45.8 Sh3

2863 FRICKE, E. F. Noxious weeds control. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:225-228. Aug.1952. 23 T182T

2864 FUELLEMAN, R. F. Control of herbaceous perennial weeds. Johnson and Bermuda grass. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:18-21. 1950, pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2865 GAERTNER, E. E. Observations on the host range of Cuscuta europea among the Compositae. Canad. J. Bot. 30:682-684. Nov.1952. 470 C16C

2866 GALLAGHER, J. E., and MAHDI, M. Z. Crabgrass trials of 1951. South. Calif. Turf Cult. 2(2):1-2,4 Apr.1952. 60.18 So8

2867 GALLAGHER, J. E. Methyl bromide fumigation for turf weed control. South. Calif. Turf Cult. 2(1):1-3. Jan.1952. 60.18 So8

2868 GARDNER, C. A., and BENNETTS, H. W. Poison plants of Western Australia; the toxic plants of the genera Gastrolobium and Oxylobium. West. Austral. Dept. Agr. J. (ser.3)1:481-483,485-487,489-491,493-495. July/Aug.1952. 23 W52J

2869 GHIGLIERI, F. I disberbanti selettivi per la lotta contro le erbe infestanti dei cereali: guida pratica ad uso degli agricoltori [Selective herbicides for the control of weeds in grain; practical guide for farmers]. Roma,Pappagallo,1951. 20 p. 79 G34

2870 GLENDENING, G. E. A round-up of shrub control studies in the Southwest. Ariz. Cattlelog 7(12):5-12. Aug.1952. 43.8 Ar42

2871 GRIGSBY, B. H. The control of weeds in truck crops, potatoes, sugar beets, small fruits, and ornamentals. Sugar beets. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:133-139. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2872 HANF, M. Bekämpfung von ginster (Sarothamnus [i.e. Cytisus] scoparius) auf weiden mit wuchsstoffhaltigen unkrautbekämpfungsmitteln. Nachrbl. des Deut. Pflanzenschutzdienstes 4:55-59. Apr.1952. 442.9 B832
With 2,4-D and ammate.

2873 HARKNESS, R. W. Weed control studies around young avocado trees. Fla. State Hort. Soc. Proc. 63: 251-261. 1950,pub.1951. 81 F66

2874 HARVEY, W. A. Weed control in orchards. Fruit Grower 6(11):11-12. Nov.1952. 95.8 G762

2875 HELGESON, E. A. Control of weeds in field crops. Spring sown grain. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:68-80. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2876 HIKITA, I., and KAKIMOTO, S. An experiment on the saving of weeding labour in the sweet potato field. (In Japanese.) Kyushu Noji Shikenjo 8:131-132. Oct.1951. 107.6 K996

2877 HOLZ, W., and RICHTER, W. Versuche mit 2,4 D zur bekämpfung des duwocks (Equisetum palustre L.). Landwirt. Forsch. 4:177-182. 1952. 18 L2333

2878 HOME, SIR J. M. Ivy [Hedera helix] as a forest weed. Scot. Forestry 6:86-87. July 1952. 99.8 Sco3

2879 HUGHES, C. E. More beef from our brushy acres. Pacific Stockman 18(10):15-16,22. Oct.1952. 286.85 W52
Brush control on range lands.

2880 HULL, A. C., JR., KISSINGER, N. A., JR., and VAUGHN, W. T. Chemical control of big sagebrush in Wyoming. J. Range Mangt. 5:398-402. Nov.1952. 60.18 J82
Artemisia tridentata.

2881 JACOBSON, G. Now is the time to spray mayweed in winter grain. (In Swedish.) Lantmannen 36:723-724,728. Sept.13,1952. 11 L234

2882 JOHNSON, F. S. Report on preliminary investigation on chemical weed control in Venezuela, 1951. IBEC Res. Inst. B. 2,20 p. 1952. 28 In826

2883 KAUL, R. N., and RAHEJA, P. C. A review on weeds and their control. Sci. & Cult. 18:124-129. Ref. Sept.1952. 475 Sci24

2884 KELTON, E. Greasewood, blackbrush, it's still bad around Fort Stockton [Tex.] they're controlling it with a super stalk cutter. Soil & Water Mag. 1(9): 18-19. Sept.1952. 54.8 So3

2885 KINDLER, R. Die unkrautbekämpfung mit kalkstickstoff. Deut. Landwirt. 3:526-531. Ref. Oct. 1952. 18 D4822

2886 KING, L. J. Germination and chemical control of the giant foxtail grass [Setaria faberii]. Boyce Thompson Inst. Contrib. 16:469-487. Ref. July/Sept.1952. 451 B69

2887 KLINGMAN, D. L. Control of weeds in field crops. Pasture and range grasses. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:124-125. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2888 KNOWLES, G. Control of annual, winter annual and biennial weeds. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:59-67. 1950,pub.1951. 79.9 N81R
Includes abstracts of cooperators reports.

2889 KOROLEV, L. I., and STAROSEL'SKII, IA. IU. New preparations for weed control [in grain fields]. (In Russian.) Agrobiologiîa 4:170-172. July/Aug.1952. 20 Ag822

2890 KRATOCHVIL, D. E. Use of herbicides in control of perennial herbaceous weeds. Quack grass. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:7-17. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2891 LASNIER, G. G. Le 2, 4-D; un auxiliaire qui peut sauver des millions à l'agriculture. Foyer Rur. [Montreal] 11(9/10):11. July/Aug.1952. 7 F83

2892 LEBENDIG, K. Tormonspritzung in der forst. Hannoversche Land- u. Forstwirt. Ztg. 105:819. Aug.16,1952. 18 H194
Weed control preparation.

2893 LOOMIS, W. E. Basic problems. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:276-281. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2894 LOWEN, W. K., and BAKER, H. M. Determination of macro and micro quantities of 3-(p-chlorophenyl)-1,1-dimethylurea. Analyt. Chem. 24:1475-1479. Sept.1952. 381 J825A

2895 MCCULLY, W. G., TYNAN, J. A., and PERRY, B. A. Reaction of white brush [Lippia ligustrina] to growth regulator herbicides. Tex. Livestock J. 11(9):20, 22. Sept.1952. 49 T29

2896 MAKAROVA, V. A. New chemical substances in weed control. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta Sel'sk. Khoz. 4:63-66. Apr.1952. 20 D742
2,4-D and 2-methyl-4-chlorophenoxyacetic acid.

2897 MEENAKSHI, K., and RAO, P. K. The occurrence of Striga on Cyanotis cucullata. Madras Agr. J. 39:490. Sept.1952. 22 M262

2898 MELANDER, L. W. Control of woody plants. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:227-270. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2899 MILLER, J. H. Control of weeds in field crops. Soybeans, peas, and leguminous forage. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:108-123. 1950,pub.,1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2900 MONTENEGRO, H. W. S., and KRUG, H. P. Control the chief pest of our pastures: Tabernaemontana. (In Portuguese.) Soc. Rur. Bras. Rev. 32(379):66-67. Aug.1952. 9.2 B733

2901 MOORE, R. M., and MYERS, L. F. Trichloroacetates and other herbicides for the control of Johnson grass (Sorghum halepense (L.) Pers.) and couch grass (Cynodon dactylon (L.) Pers.). Austral. Inst. Agr. Sci. J. 18:95-98. June 1952. 23 Au74

2902 NOILHAN, H. L'utilisation des hormones en agriculture et ses conséquences juridiques. Acad. d'Agr. de France. Compt. Rend. 39:432-433. June 11/18,1952. 14 P215Bc

2903 NORTH CENTRAL WEED CONTROL CONFERENCE, 7, MILWAUKEE, 1950. Research report. Milwaukee,1951? 281 p. 79.9 N81R

2904 NORTON, R. A. Mechanical considerations. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:271-275. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2905 NYLUND, R. E. Control of weeds in vegetable crops, potatoes, sugar beets, small fruits and ornamentals. Small fruits and ornamentals. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:126-132. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2906 OCHERETÍANYI, V. A. Magnetic powder, "Triphylite 1040." (In Russian.) Selek. i Semen. 19(8): 63-66. Aug.1952. 61.9 Se5
Sorting alfalfa and clover seeds to remove dodder.

2907 OGDEN, D. B. Progress report on grass control with T. C. A. Crystal-ized Facts Sugar Beets 6(4): 18-19. Oct.1952. 66.8 C88

2908 OLSON, P. J. Control of weeds in field crops. Flax. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:85-95. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2909 ONTARIO. ADVISORY COMMITTEE ON HERBICIDES. Handbook on chemical weed control. Ontario. Dept. Agr. C. 75,rev.,21 p. Apr.1952. 7 On8C

2910 ORCHARD, H. E., and WARNER, R. L. Chemicals for weed control. So. Austral. Dept. Agr. J. 55:564-570. (Cont.) June/July 1952. 23 So84

2911 ORCHARD, H. E. Weeds of South Australia; (Brassica tournefortii, Gouan). So. Austral. Dept. Agr. J. 56:11-13. Aug.1952. 23 So84

2912 ORTIZ GARMENDIA, J. Gramineas de importancia tóxica secundaria. Campesino [Santiago] 84(8): 51. Aug.1952. 9.3 So12

2913 ORTIZ GARMENDIA, J. Gramineas tóxicas para el ganado: los sorgos. V. Campesino [Santiago] 84(7):19. July 1952. 9.3 So12

2914 PAVLYCHENKO, T. K. Control of perennial herbaceous weeds. Leafy spurge. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:22-26. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.
Euphorbia esula.

2915 PETERSEN, H. I. Considerations with respect to fall treatment of soil. (In Danish.) Dansk Landbr. 71:427-428. Sept.4,1952. 280.28 V91
Chiefly on weed control.

2916 PRIDHAM, A. M. S. Problems in weed control. Amer. Nurseryman 96(10):8,54-55. Nov.15,1952. 80 Am371

2917 RADEMACHER, B. Unkrautbekampfung. Handb. der Landwirt. 1:337-352. (Cont.) Ref. 1951. 30 H193

2918 REA, H. E., WOLTERS, F. A., and ROBERTS, J. E. Chemical control of Johnson grass. Tex. Livestock J. 11(9):35,38,40. Sept.1952. 49 T29

2919 RICHARDSON, J. M. Ward's weed (Vella annua L). So. Austral. Dept. Agr. J. 55:561-562. June/July 1952. 23 So84

2920 ROYCE, R. D. Poison sedge and cyanogenesis. West. Austral. Dept. Agr. J. (ser.3)1:497-500. July/Aug. 1952. 23 W52J

2921 SCHAUS, R. Don't spare that tree. West. Livestock J. 30(53):49,150,155. Sept.15,1952. 6 F2278
Removal of Juniperus in grazing areas.

2922 SHAFER, N. E. Control of annual winter annual, and biennial weeds. Annual and winter annual grassy weeds. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:52-58. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2923 SHARP, L. A., and TISDALE, E. W. Medusahead [Elymus caput-medusae], a problem on some Idaho ranges, a preliminary study. Idaho U. Forest, Wildlife & Range Expt. Sta. Res. Notes 3,9 p. Ref. May 1,1952. 99.9 Id14R

2924 SENARATNE, J. E. Preliminary trials for the control of the water fern (Salvinia). Trop. Agr. [Peradeniya] 108:49-50. Jan./Mar.1952. 26 T751

2925 SLIFE, F. W. Factors affecting results of pre-emergence treatments of the soil for weed control in corn with 2,4-dichlorophenoxyacetic acid. Urbana,1952. 6 p. 79 SL3
Abstract of thesis - University of Illinois.

2926 SMIRNOV, B. M. Fallow tillage on the lands infested with wild oats in the South-East of U.S.S.R. (In Russian.) Sovet. Agron. 10(8):77-81. Ref. Aug.1952. 20 So84

2927 SMITH, O. Control weeds in potatoes with sprays. Farm Res. [N. Y. State Sta.] 18(3):6. July 1952. 100 N48A

2928 SPERRY, O. E., VARDIMAN, P. H., and GRAY, R. G. Peavine—a poisonous range plant in Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1474,4 p. July 5,1952. 100 T31P
Principally Astragalus emoryanus.

2929 STOVELL, F. R. Chemical control of weeds. Farming Glouscestershire 10:67,69,71. 1951. 10 F2291

2930 STRYCKERS, J. The latest developments in regard to selective herbicides. (In Dutch.) Parasitica 8: 131-140. 1952. 464.8 P21
French summary.

2931 STUMMEYER, H. U 46 das neuzeitliche unkrautmittel. Ratschläge f. den Bauernhof 4,36 p. 1951. 18 L62

2932 SWEET, R. D. Chemical weed control in beans. Farm Res. [N. Y. State Sta.] 18(3):13. July 1952. 100 N48A

2933 TIKHOVIDOVA, V. K. Combating dodder [Cuscuta europaea] on grapevine. (In Russian.) Vinodel. i Vinograd. SSSR. 2:46-47. Feb.1952. 95.8 V77

2934 TILEMANS, E. Desherbants, insecticides et fongicides. Rev. de l'Agr. 5:990-996. Sept.1952. 13 R322

2935 UHL, H. Die anwendung von kalkstickstoff und feinkainit gegen die ackerunkräuter auf kalkböden sowie untersuchungen über deren keimlinge und keimungsbiologie. Z. f. Acker- u. Pflanzenbau 95:121-158. Ref. Sept.1952. 18 J825

2936 VEER, E. J. VAN A. DE, and VINK, A. P. A. Mechanical and chemical lalang [Imperata cylindrica] control. (In Dutch.) Tectona 42:97-116. Aug.1952. 99.8 B65
English summary.

2937 WARREN, G. F. Control of weeds in vegetable crops, potatoes, sugar beets, small fruits and ornamentals. Vegetable crops and potatoes. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:140-169. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2938 WENZL, H. Zur statistischen auswertung von versuchen mit herbiziden. Pflanzenschutzberichte 9: 56-57. Sept.1952. 464.9 P48

2939 WILLARD, C. J. Control of weeds in field crops. Corn. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:96-103. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

2940 WOESTEMEYER, V. W. Control of perennial herbaceous weeds. Field bindweed [Convolvulus arvensis]. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 7:27-33. 1950,pub.1951? 79.9 N81R
Includes abstracts of cooperators' reports.

MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)

2941 ÀKSEL'ROD, D. M. Check-hill planting of kok-saghyz. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:30-34. Apr.1952. 20 D742

2942 ASHLEY, T. E. Tung investigations are important part of work of South Mississippi Station. Miss. Farm Res. [Miss. Sta.] 15(9):5. Sept.1952. 100 M69Mi

2943 BALDRATI, I. Let's cultivate hops in Italy. (In Italian.) Humus 8(7/8):26-28. July/Aug.1952. 16 H88

2944 BARANOVSKII, P. M. Kok-sagyz (biologiîa, agrotekhnika i peresadochnaîa kul'tura) [Kok-saghyz (biology, cultural practices and transplanting)]. Alma-Ata,Akademiîa Nauk Kazakhskoĭ SSR,1951. 107 p. (Nauchno-Populiarnaîa Seriîa) 78 B23

2945 BARBOSA, L. A. G. Zanzibar oilvine or Inhambana chestnut ("Telfairia pedata" Hook.). (In Portuguese.) Gaz. do Agr. 4:148-152. June 1952. 24 G25

2946 BARRETT, M. L. Notes on the cinchona alkaloids. Chem. Prod. 15:315-321. Ref. Sept.1952. 382 C428
Includes culture.

2947 BARTLETT, K. A. Cacao investigations at the Federal Experiment Station in Puerto Rico. Inter-Amer. Tech. Cacao Comt. Proc. 4:225-226. June 1952. 68.39 In8

2948 BECKER-DILLINGEN, J. Die essbare eberesche. Unser Wegweiser im Obstbau-Gart.-Kleintierhof 7:176. Aug.1952. 18 Un7
Sorbus aucuparia as a source of fruit.

2949 BELAVSKY, E., and TERMIGNONI, E Brazilian tannins. Amer. Leather Chem. Assoc. J. 47:594-603. Sept.1952. 303.9 Am32
Plant sources.

2950 BERNER, U. Die akazie in Niedersachsen. Nordwestdeut. Imkerztg. 4:305-306. Sept.1952. 424.8 N753

2951 BERNER, U. Die bienenweide im wandel der zeiten. II. Deut. Bienenztg. 7:132-133. Sept.1,1952. 424.8 D488

2952 BONDAR, G. Cultura, trato e preparo do cacau [Culture, handling and preparation of cacao]. Rio de Janeiro,Ministério da Agricultura, Serviço de Informação Agrícola,1951. 47 p. (S.I.A. 768) 68.3 B64Cu

2953 BOWMAN, G. F. The need for re-evaluation of selection programs for cacao. Inter-Amer. Tech. Cacao Comt. Proc. 4:13-18. June 1952. 68.39 In8

2954 BOWMAN, G. F. Science and the cacao industry. Inter-Amer. Tech. Cacao Comt. Proc. 4:11-12. June 1952. 68.39 In8

2955 BRAUDEAU, J. General aspect of the cocoa production in Cameroon. Inter-Amer. Tech. Cacao Comt. Proc. 4:179-186. June 1952. 68.39 In8

2956 BUELL, E. P. The clove bean—Ipomoea muricata (Jacq). Trop. Agr. [Peradeniya] 108:48-49. Jan./Mar.1952. 26 T751

2957 BUGAI, S. Summer plantings of kok-saghyz. (In Russian.) Kolkhoz. Proizvodstvo 12(6):60. June 1952. 281.8 K83

2958 BURCHARDT, A. Notes on cacao work at Hacienda Clementina. Inter-Amer. Tech. Cacao Comt. Proc. 4:98-108. June 1952. 68.39 In8

2959 CAILES, R. L. The cultivation of the Cape gooseberry. West. Austral. Dept. Agr. J. (ser.3)1:363, 365. May/June 1952. 23 W52J

2960 CASEY, J. You'd better watch these plants—they are not as innocent as they look. Sheep & Goat Raiser 33:44-45,47. Oct.1952. 45.8 Sh3
Poisonous plants.

2961 COLACO, J. A coffee nursery in Coorg. Indian Coffee 16:115-119. June 1952. 68.29 In23M

2962 CORREA NETO, P. Shading coffee plantations in the State of São Paulo. (In Portuguese.) São Paulo. Supt. dos Serv. do Café B. 27:592-596. July 1952. 68.29 Sa63

2963 COWGILL, W. H. Algunos problemas del cultivo del café en las Américas y posibilidades para resolverlos. Café de El Salvador 22:241-245. Apr./May 1952. 68.28 C112

2964 CRUZ, C. A. R. DA N. Experimental work and improvement of garlic (Allium sativum L.). (In Portuguese.) Rev. Agron. [Porto Alegre] 16:109-112. Apr./June 1952. 9.2 R325

2965 DANIEL, J. S. The shading of coffee trees. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(4):4-5. Apr.1952. 9.2 M663

2966 DAVID, P. A. The black pepper [Piper nigrum] culture in the College of Agriculture at Los Baños. Philippine Agr. 35:130-136. Aug.1951. 25 P542

2967 DEWAR, E. T. International seaweed symposium. Nature [London] 170:478-480. Sept.20,1952. 472 N21

2968 EDEN, T. The culture of the tea bush. World Crops 4:371-373. Nov.1952. 281.8 W892

2969 ENE DE PIRO, M. La rue. Réveil Agr. 61: 278. Sept.15,1952. 14 R322

2970 EVANS, W. C. Some recent developments in pharmacognosy. Export Rev. Brit. Drug & Chem. Indus. 13(149):39-43. Ref. Sept.1952. 396.8 C42A
Botanical sources.

2971 EVERS, E. La présélection des semenceaux en hévéaculture. Inst. Natl. pour l'Etude Agron du Congo Belge. B. d'Inform. 1:145-190. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(3). Sept.1952. 24 K83

2972 FAUCONNIER. La culture des plantes à parfum dans la region de Grasse et leurs possibilites d'introduction au Kivu. B. de Doc. et de Tech. Agr. 5 (18):23-59. (Cont.) Fourth Q.1951. 24 B873

2973 FEUELL, A. J., and JARMAN, C. G. Pavonia urens fibre from Uganda. Colon. Plant & Anim. Prod. 2:306-309. 1951. 472 C71

2974 FOWLER, R. L. La investigación viene en auxilio de los productores de cacao en el Perú. Mensajero Agr. 74:43-45. June/July 1952. 9.8 M52

2975 FOX, H. M. Rosemary and the lavenders. Natl. Hort. Mag. 31:193-205. July 1952. 80 N216

2976 FRANÇOIS, M. T. L'oiticica [Licania rigida] et son huile. Oléagineux 7:557-567. Ref. Oct.1952. 77.8 OL2

2977 GASCH, R., and KOCHERT, A. Die besten bienennährpflanzen. Ed. 2, rev. & enl. Leipzig,Leipziger Bienenzietung,1952. 54 p. 424 G21

2978 GRANHALL, I. Svensk humle; dess odling och användning [Swedish hop; its culture and use]. Stockholm, LT's Förlag,1952. 164 p. 70 G76

2979 GRAYSON, E. C. How to be both romantic and practical with herbs. Home.Gard. 20(4):62-66. Oct.1952. 80 H756

2980 GRIGOR'EV, G. V. "Selitrîanka"—prospective shrub for fruit culture in semideserts. (In Russian.) Sad i Ogorod 8:72. Aug.1952. 80 Sa13

2981 GRINER, B. M. Botanic Garden of Medicinal Plants of the Moscow Pharmaceutic Institute. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:83-84. 1951. 451 M854

2982 GROFF, G. W. The introduction into the United States, and the culture of Eleocharis dulcis, the 'matai' of China. Fla. State Hort. Soc. Proc. 63:262-265. 1950,pub.1951. 81 F66

2983 GUPTA, M. Ipecacuanha [Cephaelis ipecacuanha], its cultivation in India in the last decade. Sci. & Cult. 18:137-141. Sept.1952. 475 Sci24

2984 HORCHE, T., and RAFOLS, W. DE. Ensayos de cultivo de la planta cauchífera "T. kok-saghyz" Rodin. Spain. Inst. Nac. de Invest. Agron. B. 12:289-307. June 1952. 105.6 Sp14
English summary.

2985 HORI, J. Konnyaku saibai no jissai [Practical cultivation of konnyaku; elephant-foot]. Tokyo,Taibunkan, 1951. 88 p. 77 H782
Amorphophallus rivieri.

2986 ĺAKOVLEV, I. ĺA. Melissa in the North [U.S.S.R.]. (In Russian.) Pchelovodstvo 29(6):57-59. June 1952. 424.8 P295
Honey plant.

2987 INGALLS, N. M. A walkaround my garden. Herbarist 17:30-33. 1951. 80 H41
Herb varieties.

2988 INSTITUTE OF SEAWEED RESEARCH. Annual Report 1951. Inveresk,1952. 35 p. 451 Sco8

2989 JARAMILLO A., R. Monografías botanicas. Colombia. U. Nac. Facul. Nac. de Agron. Rev. 12:247-423. June 1952. 9.4 C717
Various economic plants.

2990 JOHNSON, D. M. Indian hemp, a social menace. London,Johnson,1952. 112 p. Ref. 396 J63
Marihuana.

2991 KAUFMANN, S. Culture of coffee adapted to our time. (In Portuguese.) Soc. Rur. Bras. Rev. 32 (377):30-32,34. June 1952. 9.2 B733

2992 KHANDROSS, L. M. Motherwort [Leonurus cardiaca] and prospects for its utilization. (In Russian.) Priroda 41(6):108-109. June 1952. 410 P933

2993 KIRBY, R. H. Seaweeds in commerce. VI. Colon. Plant & Anim. Prod. 2:246-264. Ref. 1951. 472 C71

2994 KOECHLIN, J. Sur quelques usages de plantes spontanées de la région de Brazzaville. Inst. d'Etudes Centrafricaines. B. (n.s.)2:103-109. 1951. 330.9 B73
Contains a list of plants and their uses.

2995 KOPEL'KIEVSKIĬ, G. V. For public beekeeping—a stable feed supply base. (In Russian.) Pchelovodstvo 29(3):34-37. Mar.1952. 424.8 P295
Honey plant culture.

2996 KUSKIE, S. J. The training and pruning of the passion fruit vine. Queensland Fruit & Veg. News 2(32):2. June 20,1952. 280.38 Q3

2997 LASHUK, G. I., and SNEGIREV, D. P. Selection and seed growing of lavender. (In Russian.) Selek. i Semen. 19(6):37-46. June 1952. 61.9 Se5

2998 LEDIN, R. B. Naranjilla (little orange) a new fruit for Florida. Fla. Grower 60(10):20,26-27. Oct.1952 80 F6622
Solanum quitoense.

2999 LEHMANN, E. Heilpflanzenkulturen in Deutschland. Orion 7:603-613. Aug.1952. 474 Or4

3000 LEVI, R. Creation of the Cocoa Institute in Ecuador. Inter-Amer. Tech. Cacao Comt. Proc. 4:131-134. June 1952. 68.39 In8

3001 LOPEZ NAVAS, J. T. Algo sobre el cultivo de la yuca en Venezuela. Agr. Venezol. 17(154):14-16. Jan./July 1952. 9.95 Ag8

3002 MACQUARRIE, J. D., and BELLETT, A. Herbs make food delicious; a simple guide to the cultivation of herbs in New Zealand and their culinary uses. Levin, N. Z.,1951? 23 p. 389.2 M24

3003 MALINS-SMITH, R. K. Economic propagation of cacao by the asexual method. Inter-Amer. Tech. Cacao Comt. Proc. 4:109-114. June 1952. 68.39 In8

3004 MARTELLI, G. A. Biggest hop farm in Britain. Farmer & Stock-Breeder 66:50-51. Sept.16/17, 1952. 10 F228

3005 MERRILL, S., JR. Low—headed vs. high—headed types of trees. Tung World 7(5):7-10. Oct.1952. 77.8 T83

3006 MONTENEGRO, J. Coconut—the wonderful palm tree. Agr. & Indus. Life 14(8):12-13,47. Aug.1952. 25 Ag8
Includes culture.

3007 MONTENEGRO, J. Coffee replantings. (In Portuguese.) Soc. Rur. Bras. Rev. 32(379):57. Aug. 1952. 9.2 B733

3008 MUGÜERZA, M. Planting of cacao in La Rioja Farm in the municipality of Cacaohatan, Chiapas, Mexico. Inter-Amer. Tech. Cacao Comt. Proc. 4:187-193. June 1952. 68.39 In8

3009 MÜLLER, A. Der natürliche duft. Fette u. Seifen 54:469-471. Ref. Aug.1952. 384 C422
Plants.

3010 NAKONECHNAĬA, G. F. Large crop of garlic. (In Russian.) Sad i Ogorod 7:61-62. July 1952. 80 Sa13

3011 NALIVAĬKO, IŬ. S. In regard to increasing the quality of bitter substances in hops. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):25-28. Ref. 1952. 20 Ak1
Culture mainly.

3012 NORONA G., G. Several aspects of cacao exploitation in Ecuador. Inter-Amer. Tech. Cacao Comt. Proc. 4:117-130. June 1952. 68.39 In8

3013 OSHIDA, M. Cha hen [Everything about tea]. Tokyo,Yokendo,1951. 216 p. 68.1 Os4

3014 PAREDES, L. A., and WHITE, S. S. Preliminary report on an experiment in grafting cacao in different physiological conditions. Inter-Amer. Tech. Cacao Comt. Proc. 4:79-81. June 1952. 68.39 In8

3015 PAREDES, L. A., and WHITE, S. S. Summary of an experiment on rooting media. Inter-Amer. Tech. Cacao Comt. Proc. 4:89. June 1952. 68.39 In8

3016 PEDDLE, J. An old-time doctor's equipment. Herbarist 17:37-42. 1951. 80 H41

3017 PELLETT, M. A. Shrubs for fall nectar. Amer. Bee J. 92:430-431. Oct.1952. 424.8 Am3

3018 PICKERING, E. A herb garden in Kenya. Herbarist 17:20-24. 1951. 80 H41

3019 RAMÍREZ BERMÚDEZ, J. Especies y variedades de cafe. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):9-17. July/Dec.1950,pub.July 10,1952. 8 G934

3020 RANDALL, R. Desert herbs. Herbarist 17: 43-44. 1951. 80 H41

3021 RAO, P. H. A note on wattles. Sci. & Cult. 18:92-94. Aug.1952. 475 Sci24
Analysis of Acacia species for tannin content.

3022 ROSENQUIST, E. A. Notes on the budding of cacao. Malayan Agr. J. 35:78-84. Apr.1952. 22.5 F312

3023 ROUSSY, L. Le Lindleyana sorbifolia (Rosacées). Gaz. Apic. 53:195. July 1952. 424.8 G25

3024 ROUSSY, L. Le Rhododendron ferrugineux dans la Haute Vallée des Ormonts. Gaz. Apic. 53:131-132,139. May 1952. 424.8 G25

3025 RUBBER RESEARCH INSTITUTE OF MALAYA. SMALLHOLDERS' ADVISORY SERV. Annual report, 1951. Kuala Lumpur,1952. 36 p. 78.9 R824A

3026 SALZER, E. H. Die Mooswandkultur im dienste der imkerei. Südwestdeut. Imker 4:292-294. Sept.1952. 424.8 Su25

3027 SARKAR, P. K. An investigation into the indigenous tanning materials of India. Tanner 7(3):15-17. (Cont.) Aug.1952. 303.8 T15
From plant sources.

3028 SELLSCHOP, J., and WOLFAARDT, G. W. Bird seed [Phalaris canariensis] production. Farming So. Africa 27:379-380. Aug.1952. 24 So842

3029 SILVA, C. A. DE. Notes on rubber seedling nurseries. Rubber Res. Inst. Ceylon Adv. C. 35,5 p. Feb.18,1952. 78.9 R826
Supersedes Circular No. 3.

3030 SILVA, C. A. DE. Tapping systems. Rubber Res. Inst. Ceylon Adv. C. 34,5 p. Feb.1952. 78.9 R826
Supersedes Circular No. 17

3031 SPAIN. SERV. DE APROVECHAMIENTO DE PLANTAS MEDICINALES. Cultivo de la belladona. Madrid,1951. 115 p. 71 Sp1

3032 STAGNITTA, G. Drug plants and industrialization: yucca. (In Italian.) Roma Econ. 5:419-420. Aug.1952. 280.8 R66
Description of the plant and analysis.

3033 TAUBE, E. Carnauba wax—product of a Brazilian palm. Econ. Bot. 6:379-401. Ref. Oct./Dec. 1952. 450 Ec7
Copernicia cerifera.

3034 THIRION, F. Report on the planting of cocoa trees in the Belgian Congo. Inter-Amer. Tech. Cacao Comt. Proc. 4:1-10. June 1952. 68.39 In8

3035 TOCKLAI EXPERIMENTAL STATION. Proceedings of ninth annual conference, 3rd, 4th and 5th December, 1951. Jorhat,1952. 83 p. 68.19 T562
Tea research.

3036 TORNQUIST DE BARRETO, M. L. La vainilla. Vinos, Viñas y Frutas 46:521-522. June 1952. 9 Ag89
Culture.

3037 VALLAEYS, G. Le bouturage du caféier Robusta. Inst. Natl. pour l'Etude Agron du Congo Belge. B. d'Inform. 1:205-228. Ref. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(3). Sept.1952. 24 K83

3038 VAUGHAN, R. B. Curare plants: genus Strychnos in Rio de Janeiro. (In Portuguese.) Chacaras e Quintais 86:213-214. Aug.15,1952. 9.2 C34

3039 VEIGA, J. C. Coffee with eggs. (In Portuguese.) Chacaras e Quintais 86:191-192. Aug.15,1952. 9.2 C34
Poultry grazing in the coffee plantation.

3040 VOROSHILOV, V. N. Reasons for arranging an exposition of useful plants of indigenous flora. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:36-42. 1951. 451 M854
Food plants.

3041 WARMKE, H. E. Studies on natural pollination of Hevea brasiliensis in Brazil. Science 116:474-475. Oct.31,1952. 470 Sci2

3042 WRAY, G. Importance of climatic studies in connection with cocoa planting in Ecuador. Inter-Amer. Tech. Cacao Comt. Proc. 4:39-78. June 1952. 68.39 In8

3043 ZAVALA GANGOTENA, C. Some notes on work done by Empresa para Renovacion de Cacao C. A. Inter-Amer. Tech. Cacao Comt. Proc. 4:32-38. June 1952. 68.39 In8

3044 ZINOV'EVA, L. A., and KETOVA, ĬŪ. V. Chufa [Cyperus esculentus] in the Molotov Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:61-62. 1951. 451 M854

SOILS AND FERTILIZERS

SOIL SCIENCE

3045 AQUINO, D. I., and SUBIDO, P. S. The work on soils and fertilizers. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine Agriculture, p.255-258. Manila,Graphic House,1952. 37 P533

3046 AUBERT. La recherche scientifique en A. O. F. Cahiers Franc. d'Inform. 213:5-7. Oct.1,1952. 280.8 C11
Soil research.

3047 MOROZOV, S. S. Survey of most important soil and ground literature on Kalinin Region and territories immediately adjacent to it. (In Russian.) Moskov. Ordena Lenina Gosud. U. im. M. V. Lomonosova. Uchen. Zap. 149:137-161. 1951. 511 M854

3048 MUNSELL COLOR CO. Munsell soil color charts. Hues: 7.5R thru 5Y; special form for use of soil scientists, geologists, archaeologists. Baltimore,1951? 8 p. 334.2 M92Mu

3049 RIEHM, H. Recherches sur les sols en Allemagne et leur importance pour l'agriculture pratique. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:285-298. Ref. Mar./Apr.1952. 14 F8499
English summary.

3050 SERDOBOL'SKII, I. P. On estimating the complexity of the soil cover. (In Russian.) Pochvovedenie 8:747-749. Aug.1952. 57.8 P34
A statistical study.

3051 SIBIRTSEV, N. M. Izbrannye sochineniia [Selected works]. Moskva,Gos. Izd-vo Selkhoz Lit-ry, 1951. 472 p. 56 Si1I
On soils.

3052 WELTE, E. Bericht über die forschungsergebnisse in der agrikulturchemie und bodenkunde im Bundesgebiet seit 1945. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 11,43 p. Ref. 1951. 18 G312S

3053 WUNDER, B. Centro de experimentación agricola. Agr. Austral 20:225-226. June 1952. 9.3 Ag842
Chilean soil research.

3054 ZEZSCHWITZ, E. VON. Ergebnisse der bodenuntersuchung in Württemberg. Landwirt. Forsch. 3: 156-169. Ref. 1952. 18 L2333

Soil Physics

3055 BODMAN, G. B., and HAGAN, R. M. Synthetic soil conditioners; new synthetic organic materials under study for their effectiveness when added to certain California soils. Calif. Agr. [Calif. Sta.] 6(9):6,12,15. Sept.1952. 100 C12Cag

3056 BRADFIELD, R. Water, life blood of your soil! Crops & Soils 5:15. Oct.1952. 6 W55

3057 CARROLL, D. Size distribution in the sand fractions of soils. Amer. J. Sci. 250:790-801. Ref. Nov.1952. 470 Am34

3058 COLLIS-GEORGE, N. A note on the pressure plate-membrane apparatus. Soil Sci. 74:315-322. Ref. Oct.1952. 56.8 So3

3059 DEMPSEY, P. W. Synthetic soil conditioners. New Eng. Homestead 125(17):2,10. Sept.13,1952. 6 N442

3060 DONEEN, L. D., HENDERSON, D. W., and FERRY, G. V. Soil compaction by tractors; irrigated soils may suffer from low water penetration limiting root development and reducing plant growth. Calif. Agr. [Calif. Sta.] 6(9):7-8. Sept.1952. 100 C12Cag

3061 EGLE, K. Krilium. Schweiz. Gärtztg. 55(38): 2-5. Sept.25,1952. 80 G1939

3062 FRANTSESON, V. A. On structural properties of soils after their cultivation in a moist condition. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):9-14. 1952. 20 Ak1

3063 FUNAHASHI, Y. On the relationships between the percolation and exudation in the paddy rice field and the precipitation and groundwater levels. (In Japanese.) Kyushu Noji Shikinjo 8:39-40. Oct.1951. 107.6 K996

3064 GALLAGHER, J. E., JR. Patience needed to solve the compaction problem. South. Calif. Turf Cult. 2(4):4. Oct.1952. 60.18 So8
Soils.

3065 GASPART, E. L'influence des matières organiques sur l'aération et la structure du sol. Sillon Belge 22(527):3. (Cont.) Sept.27,1952. 13 Si3

3066 GURR, C. G., MARSHALL, T. J., and HUTTON, J. T. Movement of water in soil due to a temperature gradient. Soil Sci. 74:335-345. Ref. Nov.1952. 56.8 So3

3067 HADDOCK, J. L. The influence of soil moisture condition on the uptake of phosphorus from calcareous soils by sugar beets. Soil Sci. Soc. Amer. Proc. 16:235-238. July 1952. 56.9 So3

3068 HAMMOND, L. C. Methods of measuring soil moisture. Citrus Indus. 33(10):8-9,11. Ref. Oct.1952. 80 C49

3069 HAMMOND, L. C., and EDSON, S. N. What one should know about soil moisture. Fla. State Hort. Soc. Proc. 64:205-206. 1951,pub.1952. 81 F66

3070 JANSSON, J. R. Some effects of fire upon Douglas fir soils in the Big Belt Mountains. Mont. Acad. Sci. Proc. 9:17-21. 1949,pub.1951. 500 M762

3071 JEFFERYS, E. G., and SMITH, W. K. A new type of soil percolator. Soc. Appl. Bact. Proc. 14:169-170. Oct.1951,pub.Oct.1952. 448.39 So12

3072 JOINT COMMITTEE ON SOIL TILTH. Soil physical conditions and plant growth, edited by B. T. Shaw. New York,Acad. Press,1952. 491 p. (American Society of Agronomy. Agronomy, a Series of Monographs, 2) 56.4 J66

3073 JONES, H. E., and KOHNKE, H. The influence of soil moisture tension on vapor movement of soil water. Soil Sci. Soc. Amer. Proc. 16:245-248. July 1952. 56.9 So3

3074 KIRKHAM, D., and DE ZEEUW, J. W. Field measurements for tests of soil drainage theory. Soil Sci. Soc. Amer. Proc. 16:286-293. Ref. July 1952. 56.9 So3

3075 KÖPF, H. Laufende messung der bodenatmung im freiland. Landwirt. Forsch. 4:186-194. Ref. 1952. 18 L2333

3076 LORD, E. L. What about soil conditioners? From the ground up. Subtrop. Gard. 5(6):6,8. May/June 1952. 80 Su13
Krilium.

3077 LUGO-LÓPEZ, M. A. Functional relationships between moisture at several equilibrium points and the clay content of tropical soils. P. R. U. J. Agr. 35:66-70. Apr.1951,pub.Apr.1952. 8 P832J

3078 LUNT, H. A. Some notes on forest litter-soil relationships. J. Forestry 50:748-750. Oct.1952. 99.8 F768

3079 LYSENKO, A. T., and ORLOVSKII, N. G. Degree of soil crumbling by toothed harrows. (In Russian.) Pochvovedenie 8:744-746. Aug.1952. 57.8 P34

3080 MACAGNO, E. O. Etude expèrimentale du siphonnage dans des corps granulaires. Acad. des Sci. Compt. Rend. 235:866-868. Oct.20,1952. 505 P21

3081 MAZURAK, A. P. Effect of sodium ion on synthetic water-stable aggregates. Soil Sci. Soc. Amer. Proc. 16:256-258. Ref. July 1952. 56.9 So3

3082 MERIAUX, S. Observations sur la méthode densimétrique dans l'analyse granulométrique. Acad. des Sci. Compt. Rend. 235:381-383. Aug.4,1952. 505 P21

3083 NASON, H. K. Let's look at the facts about soil conditioners. Trees [Cleveland] 12(6):7-10,16. Oct./Nov.1952. 99.8 W52

3084 A NEW Ritter discovery secret of antheap points way to bind clay soils into weatherproof material for building construction; chemical that waterproofs mud roofs and roads. Farmer's Wk. [Bloemfontein] 83:14-15, 17,19. Aug.20,1952. 24 F225
Soil stabilization with Terrabind.

3085 O'NEAL, A. M. A key for evaluating soil permeability by means of certain field clues. Soil Sci. Soc. Amer. Proc. 16:312-315. July 1952. 56.9 So3

3086 OWEN, W. L. Processed dewaxed filter press mud: a potential means of soil conditioning. Sugar 47 (10):47-48. Oct.1952. 65.8 F11

3087 REISS, L. A. Abaque à calculer les quantités d'eau dans le sol. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:105-109. Jan./Feb.1952. 14 F8499
English summary.

3088 RID, H. Ergebnisse mehrjähriger arbeiten auf dem gebiete der bodenphysik und bodenbearbeitung in Bayern. Z. f. Pflanzenbau u. Pflanzenschutz. Sonderh. 3:80-93. May 1952. 464.8 Z32

3089 RÖMER, A. Die herstellung von transportablen bodenprofilen. Landwirt. Forsch. 3:212-216. 1952. 18 L2333

3090 RYAN, R. W. Soil conditioning agents for Gladiolus growing. No. Amer. Gladiolus Council. B. 31:29. Sept.1952. 96.43 N81

3091 SHUVALOV, P. P. Get ready in the fall to thaw hotbed soil. (In Russian.) Sad i Ogorod 9:74. Sept. 1952. 80 Sa13

3092 SMITH, L. P. Soil temperature unusually low. Grower [London] 38:761. Oct.18,1952. 286.83 M34
Great Britain.

3093 STONE, E. L., JR. Evaporation in nature. J. Forestry 50:746-747. Oct.1952. 99.8 F768

3094 TAYLOR, S. A. Use of mean soil moisture tension to evaluate the effect of soil moisture on crop yields. Soil Sci. 74:217-226. Sept.1952. 56.8 So3

3095 THOMSON, A., and BREMNER, P. C. Permafrost drilling and soil temperature measurements at Resolute, Cornwallis Island, Canada. Nature [London] 170:705-706. Oct.25,1952. 472 N21

3096 TOLNER, J. Soil fertility and krillum. I. (In Dutch.) Nieuwe Veldbode 18:840, Sept.25,1952. 12 V542N

3097 TOLNER, J. Soil fertility and krillum. II. (In Dutch.) Nieuwe Veldbode 19:7-8. (Cont.) Oct.2, 1952. 12 V542N

3098 TURMEL, J. M. La mouillabilité des sols. I. Sables d'origines diverses. Coefficient de mouillabilité. Mus. Natl. d'Hist. Nat. B. (ser.2)24:147-153. Jan.1952. 410.9 P213

3099 UHLIG, S. Die untersuchung und darstellung der bodenfeuchte. Bad Kissingen,1951. 39 p. (Berichte des Deutschen Wetterdienstes in der US-Zone. 30) 56 Uh6

3100 U. S. NATIONAL SOIL AND FERTILIZER RESEARCH COMMITTEE. SOIL STRUCTURE - ORGANIC MATTER WORK GROUP. Report. Washington?1951. 77 p. Ref. 173 N2165

3101 VYSOTSKII, A. A. A soil densimeter of a new design. (In Russian.) Sel'khozmashina 3:18-20. Mar. 1952. 58.8 Se42
For determining physical properties.

3102 WEST, E. S. A study of the annual soil temperature wave. Austral. J. Sci. Res. Ser. A, Phys. Sci. 5:303-314. Ref. June 1952. 475 Au73

Soil Chemistry and Mineralogy

3103 ALLISON, F. E., DOETSCH, J. H., and STERLING, L. D. Nitrogen gas formation by interaction of nitrites and amino acids. Soil Sci. 74:311-314. Oct. 1952. 56.8 So3

3104 BANERJEE, D. K. A study of cobalt in soils. Urbana,1952. 4 p. 56.42 B22
Abstract of thesis - University of Illinois.

3105 BEACHER, R. L. Soil tests show fertilizer needs of Arkansas soil areas. Ark. Farm Res. 1(3):4. Fall 1952. 100 Ar42F

3106 BEHR, E. Nach der ernte: bodenuntersuchungen. Deut. Landwirt.-Gesell. Mitt. 67:598-599. Aug.23,1952. 18 N39

3107 BEL, B., DENIZOT, H., and MATHIEU, G. Étude de quelques sols caractéristiques de la région de Dijon. France. Inst. Natl. de la Rech. Agron Ann. Sér. A, Ann. Agron. 3:191-205. Mar./Apr.1952. 14 F8499
English summary.
Nitrogen, phosphorus and potassium.

3108 BERGER, K. C., HOLE, F. D., and BEARDSLEY, J. M. A soil productivity score card. Soil Sci. Soc. Amer. Proc. 16:307-309. July 1952. 56.9 So3

3109 BIRCH, H. F. The relationship between phosphate response and base saturation in acid soils. J. Agr. Sci. 42:276-285. Ref. July 1952. 10 J822

3110 BLOOMFIELD, C. Translocation of iron in Podzol formation. Nature [London] 170:540. Sept.27,1952. 472 N21

3111 BOISCHOT, P., and QUILLON, P. Fixation du cuivre dans les sols calcaires. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:359-363. May/June 1952. 14 F8499

3112 BONNET, J. A., LUGO LÓPEZ, M. A., and ABRUÑA, F. Cation exchange capacity of some tropical soils of Puerto Rico. P. R. U. J. Agr. 35:49-56. Apr. 1951,pub.Apr.1952. 8 P832J

3113 CAVELL, A. J. The determination of potassium in soil extracts with a flame photometer. Analyst 77: 537-539. Ref. Oct.1952. 382 An1

3114 CHAMINADE, R. Contribution à l'étude de la fixation par le sol de l'anion phosphorique. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:171-183. Mar./Apr.1952. 14 F8499
English summary.

3115 CHAPMAN, H. D., and LIEBIG, G. F., JR. Field and laboratory studies of nitrite accumulation in soils. Soil Sci. Soc. Amer. Proc. 16:276-282. Ref. July 1952. 56.9 So3

3116 COPPENET, M., and CALVEZ, J. Dosage du manganese actif dans les terres de Bretagne. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:351-358. May/June 1952. 14 F8499

3117 CORNFIELD, A. H. A rapid copper acetate method for the determination of the base-exchange capacity of soils. J. Sci. Food & Agr. 3:388-390. Sept. 1952. 382 So12

3118 CORNFIELD, A. H. Soils; the metabolism of carbon and nitrogen in soils. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:644-650. Ref. 1951. 382 M31R

3119 CORRENS, C. W. Sobre los minerales de las arcillas. An. de Edafología y Fisiol. Veg. 11:283-296. May/June 1952. 506 Sp12

3120 DONAHUE, R. L. L is for lime. Prog. Farmer, Tex. Ed. 67(11):17,138. Nov.1952. 6 T311
Lime for Texas soils.

3121 DONALD, C., PASSEY, B. I., and SWABY, R. J. Bioassay of available trace metals from Australian soils. Austral. J. Agr. Res. 3:305-325. Ref. July 1952. 23 Au783

3122 DRISKELL, B. N., and RICHER, A. C. Correlation of plant tissue tests of corn, deficiency symptoms, and soil analyses on the Jordan fertility plots. (Abs.) Soil Sci. Soc. Amer. Proc. 16:270. July 1952. 56.9 So3

3123 DURASOV, A. M. Relation of carbon to the general content of nitrogen in the Chernozems of various provinces. (In Russian.) Pochvovedenie 8:699-702. Ref. Aug.1952. 57.8 P34

3124 FERNANDEZ ALONSO, J. I., and COSTELL LANDETE, F. Estudio físico químico de las arcillas del Levante Español. III. An. de Edafologia y Fisiol. Veg. 11:373-387. July/Aug.1952. 506 Sp12
English summary.

3125 FIELDES, M., SWINDALE, L. D., and RICHARDSON, J. P. Relation of colloidal hydrous oxides to the high cation-exchange capacity of some tropical soils of the Cook Islands. Soil Sci. 74:197-205. Sept.1952. 56.8 So3

3126 FLIEG, O., and PFAFF, C. Über wanderung und abbau der 2,4 D im boden sowie ihren einfluss auf mikrobiologische umsetzungen. Landwirt. Forsch. 3: 113-123. 1951. 18 L2333

3127 FOX, R. L., OLSON, R. A., and MAZURAK, A. P. Persistence of ammonium ion and its effect upon physical and chemical properties of soil. Agron. J. 44: 509-513. Ref. Oct.1952. 4 Am34P

3128 FRIDLAND, V. M. On the Yellow-Podzolic soils of the Carpathian foot-hills. (In Russian.) Pochvovedenie 8:681-698. Ref. Aug.1952. 57.8 P34
Analysis.

3129 GREAVES, J. E. Como actua la materia orgánica en el suelo. Campesino [Santiago] 84(8):41-42. Aug.1952. 9.3 So12

3130 GUTIERREZ RIOS, E., and LOPEZ GONZALEZ, J. DE D. Acción de los acidos fuertes sobre los silicatos de la serie isomorfa montmorillonita-beidellita. I. An. de Edafología y Fisiol. Veg. 11:225-254. Ref. May/June 1952. 506 Sp12
English summary.

3131 GUTTFELD, S. P. Organic matter in the soil. (In Hebrew.) Hassadeh 32:487-489. July 1952. 26 H27

3132 HANCOCK, C. Soil analysis for the orienting of farmers. (In Portuguese.) Soc. Rur. Bras. Rev. 33 (377):66. June 1952. 9.2 B733

3133 HARDIN, L. J. Report on the determination of fluorine content of soils. Assoc. Off. Agr. Chem. J. 35: 621-633. Aug.15,1952. 381 As7

3134 HENGL, F. Verbilligte untersuchung von bodenproben für die richtige neuanlage von weingärten. Osterr. Weinztg. 7:81. July 10,1952. 390.8 Os7

3135 HSEUNG, Y., and JACKSON, M. L. Mineral composition of the clay fraction.III. Of some main soil groups of China. Soil Sci. Soc. Amer. Proc. 16:294-297. July 1952. 56.9 So3

3136 JACQUET, J., and LE NIR, Y. Méthode rapide de dosage des phosphates dits assimilables des sols. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:345-350. Ref. May/June 1952. 14 F8499

3137 JEFFRIES, C. D., BONNET, J. A., and ABRUNA, F. Mineral characteristics of some soils of Puerto Rico. Soil Sci. Soc. Amer. Proc. 16:310-311. July 1952. 56.9 So3

3138 JOUIS, E., and LE CACHEUX. Études comparées des méthodes rapides (Morgan-Barbier) et des méthodes officielles d'analyses de sol (Garola; De Sigmond). Appréciation du pouvoir absorbant d'un sol en P_2O_5 (détermination des formules de fumure). France. Inst. Natl. de la Rech. Agron. Ann. Sér A, Ann. Agron. 3:1-8. Jan./Feb.1952. 14 F8499
English summary.

3139 KELLER, K. R., MAGEE, R. A., and DOW, A. I. An experiment in sampling hop yard soils for organic matter content and pH value. Agron. J. 44:537-540. Oct.1952. 4 Am34P

3140 KIRSTE, A. Welches ist die beste methode zur untersuchung des bodens auf pH, kalk, phosphorsäure und kali? Landwirt. Forsch. 4:51-59. 1952. 18 L2333

3141 KLUGE. Ergebnisse der bodenuntersuchung. Landwirt. Z. der Nord-Rheinprov. 119:1026. Sept.20, 1952. 18 L2344
Analysis.

3142 LEWIS, G. C., JORDAN, J. V., and JUVE, R. L. Effect of certain cations and anions on phosphorus availability. Soil Sci. 74:227-232. Ref. Sept.1952. 56.8 So3

3143 MCHENRY, J. R. Clay mineralogy of recent glacial alluvium soils of western Washington. Soil Sci. 74:281-285. Ref. Oct.1952. 56.8 So3

3144 MACINTIRE, W. H., and others. Nitrogen recoveries from applications of ammonium chloride, phosphate, and sulfate and outgo of complementary ions in rainwater leachings through a six-foot soil-subsoil column. Soil Sci. Soc. Amer. Proc. 16:301-307. Ref. July 1952. 56.9 So3
J. B. Young, W. M. Shaw, and B. Robinson, joint authors.

3145 MACINTIRE, W. H., and STERGES, A. J. Role of solvated silica in promoting migrations of fluorine, phosphorus, and calcium in 10-year rainwater drainage from slagged and wollastonited soils. Soil Sci. 74:233-247. Ref. Sept.1952. 56.8 So3

3146 MALCOLM, J. L. Water soluble phosphorus & potash in the soil of lime and avocado groves in Dade County. Subtrop. Gard. 5(6):7,12. May/June 1952. 80 Su13
Florida.

3147 MALCOLM, J. L. Water soluble phosphorus and potassium in the soil of lime and avocado groves in Dade County. Fla. State Hort. Soc. Proc. 64:285-292. 1951,pub.1952. 81 F66

3148 MARGULIS, H., and HURON, R. Sur la détermination de l'acide phosphorique "assimilable" du sol far le procédé Schloesing-de Sigmond. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:185-189. Mar./Apr.1952. 14 F8499
English summary.

3149 MARTIN, R. T., and RUSSELL, M. B. Clay minerals of four southern New York soils. Soil Sci. 74:267-279. Oct.1952. 56.8 So3

3150 MEHLICH, A., and MONROE, R. J. Report on potassium analyses by means of flame photometer methods. Assoc. Off. Agr. Chem. J. 35:588-596. Aug.15, 1952. 381 As7

3151 MÉRIAUX. Étude de la viscosité des suspensions d'argile. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:335-344. May/June 1952. 14 F8499

3152 MILLER, E. V., and COLEMAN, N. T. Colloidal properties of soils from western equatorial South America. Soil Sci. Soc. Amer. Proc. 16:239-244. Ref. July 1952. 56.9 So3

3153 NAJMR, S. Oxidimetrical-titration method for determining carbon in soil organic matter. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:219-224. Ref. Mar.1952. 19.5 C332C

3154 NIINA, K. A comparative study of four Kjeldahl methods. Application to soils and plant materials. (In Japanese.) Rin-Go-Shiken-Hokoku 53:127-134. July 1952. 99.8 R47
English summary.

3155 NIKITIN, A. A., and RAINEY, J. W. Reactions between trace element salts and N-P-K carriers in fertilizers. Agron. J. 44:541-546. Oct.1952. 4 Am34P

3156 PARKS, W. L., and WHITE, J. L. Boron retention by clay and humus systems saturated with various cations. Soil Sci. Soc. Amer. Proc. 16:298-300. Ref. July 1952. 56.9 So3

3157 PAVEL, L. Application of the method of "dead point" in oxidimetrical determination of humificated soil matter. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:225-228. Mar.1952. 19.5 C332C

3158 PEARSON, R. W. Potassium-supplying power of eight Alabama soils. Soil Sci. 74:301-309. Ref. Oct. 1952. 56.8 So3

3159 PERKINS, A. T., and DRAGSDORF, R. D. Decomposition of bentonite as affected by H, Ca, Mg, and dry grinding. (Abs.) Soil Sci. Soc. Amer. Proc. 16:312. July 1952. 56.9 So3

3160 RAYCHAUDHURI, S. P., and SUBBIAH, B. V. Do you know your soil? Indian Farming (n.s.)2(5):20-22. Aug.1952. 22 In283
Soil types and soil testing.

3161 ROY, B. B., and DAS, S. C. Electrochemical properties of hydrogen clays from Indian black cotton soil. Soil Sci. 74:351-358. Ref. Nov.1952. 56.8 So3

3162 SANIK, J., JR., PERKINS, A. T., and SCHRENK, W. G. The effect of the calcium-magnesium ratio on the solubility and availability of plant nutrients. Soil Sci. Soc. Amer. Proc. 16:263-267. Ref. July 1952. 56.9 So3

3163 SHAW, W. M. Report on exchangeable hydrogen in soils. Assoc. Off. Agr. Chem. J. 35:597-621. Ref. Aug.15,1952. 381 As7

3164 SHKONDE, É. I. Fertilizing systems and phosphate regime of Chernozem soils in Ukrainian SSR. (In Russian.) Pochvovedenie 8:703-717. Ref. Aug.1952. 57.8 P34

3165 SOUBIES, L., GADET, R., and MAURY, P. Migration hivernale de l'azote nitrique dans un sol limoneux de la région Toulousaine. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:365-383. Ref. May/June 1952. 14 F8499

3166 SPEER, R. J., and others. Plant utilization of zinc nutrients on Houston black clay. Soil Sci. 74: 291-293. Ref. Oct.1952. 56.8 So3
S. E. Allen, M. Maloney, and A. Roberts, joint authors.

3167 SWINDALE, L. D., and FIELDES, M. Rapid semimicromethod for cation-exchange capacities of clays and soils with the flame photometer. Soil Sci. 74:287-290. Oct.1952. 56.8 So3

3168 TAMES ALARCON, C., AGUIRRE, J., and PERAL, M. T. Importancia de los compuestos nitrogenados aportados por las precipitaciones atmosféricas en el balance del nitrogeno de los suelos cultivados en los climas secos. Spain. Inst. Nac. de Invest. Agron. B. 12: 195-231. June 1952. 105.6 Sp14

3169 TAMES ALARCÓN, C. Observaciones sobre el contenido de materia orgánica de algunos secanos españoles. Spain. Inst. Nac. de Invest. Agron. B. 12: 309-314. June 1952. 105.6 Sp14

3170 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Bibliography of literature on the release and fixation of native and fixed non-exchangeable potassium and ammonium of soils and silicate minerals, by R. F. Reitemeier. Beltsville,Md., 1952. 27 p. 1.965 S2B47

3171 VAN DER MERWE, C. R., and HEYSTEK, H. Clay minerals of South African soil groups. I. Laterites and related soils. Soil Sci. 74:383-401. Nov.1952. 56.8 So3

3172 VITTUM, M. T., LATHWELL, D. J., and STANFORD, G. Effect of different sources and rates of application of fertilizer materials on the pH and N, P, K, and Mg content of the soil to which they were applied. Soil Sci. Soc. Amer. Proc. 16:273-276. July 1952. 56.9 So3

3173 WARDER, F. G., and DION, H. G. The nature of the clay minerals in some Saskatchewan soils. Sci. Agr. 32:535-547. Ref. Oct.1952. 7 Sci2

3174 WIDHALM, H. Richtlinien zur entnahme von bodenproben. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:201-207. Sept.1952. 105.9 K696
English summary.

3175 WINSOR, H. W. Variations in soil boron with cultivation and season. Soil Sci. 74:359-364. Nov.1952. 56.8 So3

3176 ZVANOVEC, V. A study of the influence of Ca, Na, NH_4 and H cations on the consistency of soil. (In Czech.) Brünn. Vysoká Šk. Zeměděl. a Lesn. Sborn. 3/4:1-42. Ref. Dec.31,1951. 105.92 B833

Soil Biology

3177 ALEKSANDROV, V. G. Importance of "silicate bacteria" in increasing the productivity of cotton. (In Russian.) Sovet. Agron. 10(8):47-55. Ref. Aug.1952. 20 So84

3178 BEREZOVA, E. F., and REMPE, E. KH. Methods for investigating nodule bacteria in the root system of leguminous plants. (In Russian.) Mikrobiologiia 21:416-422. Ref. July/Aug.1952. 448.3 M582

3179 CHASTUKHIN, V. IA. Decomposition of plant remains and role of fungi in the process of soil formation. (In Russian.) Agrobiologiia 4:12-25. July/Aug.1952. 20 Ag822

3180 COLLINS, F. M. The fermentation reactions of Azotobacter strains determined by the use of eosin methylene blue agar. Austral. J. Sci. 15:27-28. Aug. 1952. 475 Au72

3181 DASTE, P. Action de l'hydrazide maleïque sur le développement de l'Azotobacter et du Cytophaga. Soc. de Biol. Compt. Rend.146:849-852. June 1952. 442.9 P21

3182 DELAMARE DEBOUTTEVILLE, C. Microfaune du sol des pays tempérés et tropicaux. Paris, Hermann,1951. 360 p. (Actualités Scientifiques et Industrielles, 1160) 56.3 D37

3183 FISHER, T., FISHER, E., and APPLEMAN, M. D. Nitrification by certain heterotrophic bacteria present in soil. J. Bact. 64:596. Oct.1952. 448.3 J82

3184 GAMBLE, S. J. R., EDMINSTER, T. W., and ORCUTT, F. S. Influence of double-cut plow mulch tillage on number and activity of microorganism. Soil Sci. Soc. Amer. Proc. 16:267-269. Ref. July 1952. 56.9 So3

3185 GAMBLE, S. J. R., MAYHEW, C. J., and CHAPPELL, W. E. Respiration rates and plate counts for determining effect of herbicides on heterotrophic soil microorganisms. Soil Sci. 74:347-350. Nov.1952. 56.8 So3

3186 GELLER, I. A., and KHARITON, E. G. On the relation of sugar beet to the complex of rhizospheric microorganisms of perennial legumes and grasses, and winter wheat. (In Russian.) Sovet. Agron. 10(9):29-32. Sept.1952. 20 So84

3187 HARTMANN, F. Der biologisch- und abiologisch-dynamische zustand des waldbodens als gradmesser seiner fruchtbarkeit. Allg. Forstz. 7:378-381. Sept.17,1952. 99.8 AL52

3188 IWAMURA, M. Die ökologischen untersuchungen über streufauna im walde; über wald im berggebiet, Kyoto Präfektur. Saikyo U. Facul. Agr. Sci. Rpt. 2:17-28. Ref. Mar.1952. 22.5 K993
English summary.

3189 JORDAN, D. C. Studies on the legume root nodule bacteria. III. Canad. J. Bot. 30:693-700. Ref. Nov.1952. 470 C16C

3190 KAUFFMANN, J., and BOQUEL, G. Action du superphosphate granulé sur le développement de l'Azotobacter chroococcum. Oléagineux 7:645-646. Nov.1952. 77.8 OL2

3191 KORETSKAIA, Z. M. Effect of tree plantings on soil microflora under steppe conditions. (In Russian.) Mikrobiologiia 21:566-571. Ref. Sept./Oct.1952. 448.3 M582

3192 KORNILOV, A. A., and VERTELETSKAIA, V. V. Promotion of sainfoin into the arid steppe districts and role of nodule bacteria. (In Russian.) Mikrobiologiia 21:423-428. July/Aug.1952. 448.3 M582

3193 LAĬKOV, N. Z. Application of bacterial fertilizers in the turfy-Podzolic area. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:26-29. Mar.1952. 20 D742
Effect on field crop yields.

3194 LOCHHEAD, A. G. Soil microbiology. Annu. Rev. Microbiol. 6:185-206. Ref. 1952. 448.3 An72

3195 MARTIN, J. P., and ERVIN, J. O. Effect of fumigation on soil organisms. Calif. Citrog. 38:6,17-18. Nov.1952. 80 C125

3196 MARTIN, J. P., and ERVIN, J. O. Effect of fumigants on soil organisms. Citrus Leaves 32(11):14-15. Nov.1952. 80 C492

3197 MORITA, S., and AOKI, A. The effect of 2,4-D on the microbial action in orchard soils. Saikyo U. Facul. Agr. Sci. Rpt. 2:1-4. Mar.1952. 22.5 K993

3198 OTANI, Y., NAKASHIMA, T., and KOJIRO, T. Mycological studies on the cultured soil in San-in. 2. (In Japanese.) Tottori Soc. Agr. Sci. Trans. 9:61-66. Dec.30,1951. 513 T64
English summary.

3199 PFEIFFER, E. E. Availability of nitrogen, phosphate and potash in soils due to application of microorganisms. Bio-Dynamics 10(3):24-27. Summer 1952. 56.8 B52

3200 PONOMAREVA, S. I. Effect of activity of earthworms on the mineralization of plant residues. (In Russian.) Pochvovedenie 8:727-732. Ref. Aug.1952. 57.8 P34

3201 RABOTNOVA, I. L., and others. On some peculiarities in the physiology of Clostridium pasteurianum. (In Russian.) Mikrobiologiia 21:429-437. Ref. July/Aug.1952. 448.3 M582
V. K. Egorova, G. K. Ozolina, and I. K. Eleĭskiĭ, joint authors.

3202 RUBENCHIK, L. I. Utilization of bacterial fertilizer preparations [nitragin and azotogen] and their effectiveness. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniia Mestnykh Istochnikov Udobr. USSR. Trudy 1951:76-83. Ref. 57.09 N22

3203 RYBALKINA, A. V., and BOL'SHAKOVA, V. S. On physiological peculiarities of Actinomycetes in some types of soils. (In Russian.) Pochvovedenie 8:733-743. Ref. Aug.1952. 57.8 P34

3204 SPENCER, E. L., and JACK, A. Nitrogen transformation in seedbeds as affected by nematocidal treatment. Fla. State Hort. Soc. Proc. 63:125-128. 81 F66

3205 STAPP, C. Über den wert von azotobakter-impfpräparaten für die deutsche landwirtschaft. Landwirt. Forsch. 3:176-205. Ref. 1952. 18 L2333

3206 SULOCHANA, C. B. Soil conditions and root diseases: IV. The effect of micro-elements on the occurrence of bacteria, Actinomycetes and fungi in soils. Indian Acad. Sci. Proc. Sect. B 36:19-33. Ref. July 1952. 513 In25B

3207 TULAĬKOVA, K. P. Excretion of calcium carbonate crystals by root bacteria [in hemp microflora]. (In Russian.) Agrobiologiia 4:43-51. July/Aug.1952. 20 Ag822

3208 VINDARD, G. Influence de l'acide 2-méthyl-4-chloro-phénoxyacétique sur le développement de l'Azotobacter dans le sol. Acad. d'Agr. de France. Compt. Rend. 39:417-418. June 11/18,1952. 14 P215Bc

3209 WILLIAMS, D. H. The earthworm, your silent partner. Horticulture 30:385. Oct.1952. 80 H787

3210 WRIGHT, J. M. Production of gliotoxin in unsterilized soil. Nature [London] 170:673-674. Oct.18, 1952. 472 N21

3211 ZAREMBA, V. P. In regard to increasing the effectiveness of nitragin. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniia Mestnykh Istochnikov Udobr. USSR. Trudy 1951:84-91. Ref. 57.09 N22

Soil-Plant-Animal Relationships

3212 ALBRECHT, W. A. Better proteins grow on better soils. Com. Fert. 85(3):20-22,24. Sept.1952. 57.8 C73
Includes use of nitrogen fertilizers and trace elements for field crops.

3213 HORNSMANN, E. Satt sein—und doch hungern! Eine gefahr, die vom boden droht. Unser Wald 5(7/8):4-5. July/Aug.1952. 99.8 Un7

3214 TAYLOR, N. H. Pedology as an aid in animal research. Austral. Vet. J. 28:183-189. July 1952. 41.8 Au72
New Zealand.
Includes discussion.

Soil Genesis, Formation, Classification, and Mapping

3215 CAPPANNINI, D. A. Geoedafologia del curso inferior del Rio Salado de la provincia de Buenos Aires. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(50/51):1-54. Ref. Feb./Mar.1952. 9 Id3

3216 CASTAGNOL, E. M. Contribution à l'étude des terres rouges basaltiques et dacitiques des hauts-plateaux du Sud de l'Indochine. Arch. des Rech. Agron. au Cambodge, au Laos, et au Viêtnam 12,124 p. 1952. 22.5 Sa22

3217 ČIRIĆ, M. The primary particles in Podzol soils. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):104-117. Ref. 1952. 21.5 Y9
English summary.

3218 DATTA, N. R. Parent material investigation in Upper Barakar Catchment. In Damodar Valley Corporation. Symposium on soil conservation, p. p.6-7. Hazaribagh,1951. 56.7 D18

3219 DEWAN, M. L. Soil survey in the Damodar Valley. In Damodar Valley Corporation. Symposium on soil conservation, p.3-4. Hazaribagh,1951. 56.7 D18

3220 HEIKURAINEN, L., and HUIKARI, O. Turvelajin mikroskooppinen määrittäminen. The microscopic determination of peat types. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(5),34 p. Ref. 1952. 99.9 F493
English summary.

3221 HOLE, F. D., PETERSON, F. F., and ROBINSON, G. H. The distribution of soils and slopes on the major terraces of southern Richland County, Wisconsin. Wis. Acad. Sci. Arts & Let. Trans. 41:73-81. 1952. 500 W75

3222 JAHN, R. E. Algunas consideraciones sobre los suelos, del proyecto de riego de Barlovento (margen derecha del Rio Tuy) e indicaciones sobre su mejor aprovechamiento. Agro [Maracay] 7(21):7-18. June/Aug.1952. 9.95 Ag83
Soil types and classification.

3223 KARIM, A. A study of some Australian soils. Pakistan J. Forestry 2:175-187. Ref. July 1952. 99.8 P17

3224 LEEPER, G. W. On classifying soils. Austral. Inst. Agr. Sci. J. 18:77-80. June 1952. 23 Au74

3225 LYFORD, W. H. Characteristics of some Podzolic soils of the northeastern United States. Soil Sci. Soc. Amer. Proc. 16:231-235. Ref. July 1952. 56.9 So3

3226 MICHIGAN. DEPT. OF CONSERVATION. LAND ECONOMIC SURVEY. Big Beaver Island soil map. Lansing,1951? map. 56.22 M582B

3227 MICHIGAN. DEPT. OF CONSERVATION. LAND ECONOMIC SURVEY. Soil map, Garden Island, High Island, Hog Island. Lansing,1951? map. 56.22 M582S

3228 MONTARLOT, G. Description et cartographie des terres et sols du Département de l'Hérault. France Inst. Natl. de la Rech. Agron. Ann. Sér. A. Ann. Agron. 3:9-94,221-284. Ref. Jan./Feb.-Mar./Apr.1952. 14 F8499
English summary.

3229 MOROZOV, S. S. News in the solution of the loess problem. (In Russian.) Moskov. Ordena Lenina Gosud. U. im. M. V. Lomonosova. Uchen. Zap. 149:3-36. Ref. 1951. 511 M854
Chiefly on soil formation.

3230 NIJHAWAN, S. D. A scheme for utilitarian classification of the soils of the Punjab. In Damodar Valley Corporation. Symposium on soil conservation, p.5-6. Hazaribagh,1951. 56.7 D18

3231 NOVIKOV, P. M. On mapping soils suitable for tea. (In Russian.) Pochvovedenie 8:750-753. Aug. 1952. 57.8 P34

3232 PETROV, B. F. Pochvy Altaĭsko-Saĭanskoĭ oblasti [Soils of Altai-Sayan Region]. Moskva, Akademiia Nauk SSSR,1952. 247 p. Ref. (Trudy Pochvennogo Instituta im. V. V. Dokuchaeva. 35) 56.9 P44

3233 POULSON, E. N., and others. Soil survey, King County, Washington. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1938(31),106 p. Ref. Sept. 1952. 1 So32F
J. T. Miller, R. H. Fowler, and R. D. Flannery, joint authors.

3234 RAJU, M. S., and MENON, P. K. Soil surveys in Madras. Madras Agr. J. 39:463-467. Sept.1952. 22 M262

3235 RULE, G. K. The challenging glades. Land 11:155-162. Summer 1952. 279.8 L22
Soil surveys and land use in the Florida Everglades.

3236 SCHONHALS, E. Über einige wichtige lössprofile und begrabene böden im Rheingau. Hess. Landesamt.f. Bodenforsch. Notizbl. 6(1):244-259. 1950. 509 D25

3237 SICK, W. D. Die flurformen im nordwestlichen Bodenseegebiet. Württemb.-Hohenzollern in Zahlen 7: 125-128. Ref. 1952. 265 W96

3238 SIMONSON, R. W. Lessons from the first half century of soil survey. I. Classification of soils. Soil Sci. 74:249-257. Ref. Sept.1952. 56.8 So3

3239 SIMONSON, R. W. Lessons from the first half century of soil survey. II. Mapping of soils. Soil Sci. 74:323-330. Ref. Oct.1952. 56.8 So3

3240 TANASIJEVIĆ, D., SANDIĆ, M., and PAVIĆEVIĆ, N. Types de sols dans les environs de Belgrade et d'Obrenovatz. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6): 3-56. 1951. 21.5 Y9
French summary.

3241 VÁLEK, B. Evolution and cultivation of soil on gneiss formation in the vicinity of the city of Vlashim in central Czechoslovakia. (In Czech.) Ceskoslov. Akad. Zemědél. Sborn. 25:229-236. Mar.1952. 19.5 C332C

3242 WAEGEMANS, G. Latérites pisolithiques et scoriacées. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:735-750. Sept.1952. 24 K83

3243 YAMADA, S. A proposed soil survey method of volcanogenous soil and work of the investigation of volcanogenous soil in Hokkaido. (In Japanese.) Hokkaido Natl. Agr. Expt . Sta. Rpt. 44,100 p. Nov.1951. 107.6 H68N
English summary.

SOIL MANAGEMENT

3244 AUFHAMMER, G., and KÄMPF, R. Beeinflussung der bodenkrümelung durch organische düngung. Z. f. Acker- u. Pflanzenbau 95:219-232. Ref. Sept.1952. 18 J825

3245 BALDINI, G. F. Need for mountain reclamation in the Appennines of Emilia in general and of Parma in particular. (In Italian.) Conv. Econ. Naz. dell'Agr. Atti 1951:59-68. 281.9 C7674

3246 BEAUMONT, A. B. Biochemical gardening? Horticulture 30:388,406. Oct.1952. 80 H787
Soil management.

3247 BELL, H. M. Building deposits in your soil bank. Sowest. Crop & Stock 6(9):15,107. Sept.1952. 6 So8942

3248 BOLTON, E. F., and WEBBER, L. R. Effect of cropping systems on the aggregation of a Brookston clay soil at three depths. Sci. Agr. 32:555-558. Oct. 1952. 7 Sci2

3249 BORRERO, M. El pro y el contra de las quemas. Rev. Agr. y Ganad. 13(148):19-20. May 1952. 9.4 R327

3250 BRÜNE, F. Neuzeitliche urbarmachung abgetorfter moore. Deut. Landwirt.-Gesell. Mitt. 67: 583-584. Aug.16,1952. 18 N39

3251 CABARRUS C., H. Guatemala ante el problema de sus suelos. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):51-54. July/Dec.1950,pub.July 10, 1952. 8 G934
Management.

3252 CALLAND, J. W. How many soybeans can we grow and not ruin our soil? Soybean Digest 12(11):51-52. Sept.1952. 60.38 So9

3253 COPLEY, T. L. New practice saves soil on tobacco lands. Crops & Soils 5:13-14. Oct.1952. 6 W55

3254 COUTINHO, L. P. Maintenance of fertility in the soils of Mozambique. (In Portuguese.) Gaz. do Agr. 4:152-153. June 1952. 24 G25

3255 CURINI-GALLETTI, A. Correction of very clayey soils. (In Italian.) Humus 7(2):5-6. Feb.1952. 16 H88

3256 DONAHUE, R. L. Soil building through the ages. Sowest. Crop & Stock 6(9):14,18-B,119. Sept.1952. 6 So8942
Soil management.

3257 DUTT, A. K. Planning for land utilisation and management in the Damodar Catchment. In Damodar Valley Corporation. Symposium on soil conservation, p.17-19. Hazaribagh,1951. 56.7 D18

3258 FLAY, A. H. Wheat production and the maintenance of soil fertility. Rur. Educ. B. 7:94-97. Aug. 1952. 109 C162

3259 FRANZ, H. Destrucción y mejora del suelo. An. de Edafología y Fisiol. Veg. 11:255-265. May/June 1952. 506 Sp12

3260 FULLER, W. H., and ROGERS, R. N. Utilization of phosphorus from barley residues. Soil Sci. 74: 373-382. Ref. Nov.1952. 56.8 So3

3261 HADFIELD, C. N. The restoration of derelict land following mineral extraction. Roy. Inst. Chartered Surveyors. J. 32:212-220. Sept.1952. 282.9 C38J

3262 HALE, M. Put fowl sick land under the plough. Poultry World 91:332. Oct.9,1952. 47.8 P8682

3263 HOMURA, Y., and NOMURA, A. Studies on the renovation of the desolated ramie field. (In Japanese.) Kyushu Noji Shikinjo 8:57-58. Oct.1951. 107.6 K996

3264 IWERSEN, J. Zum problem der überschlickung leichter geestböden. Z. f. Acker- u. Pflanzenbau 95:159-182. Sept.1952. 18 J825

3265 JAHN, E. Die verheidung unserer Lausitzer sandböden und geeignete gegenmassnahmen. Wald 2:275-277. Sept.1952. 99.8 W143
Russian Zone of Germany.

3266 JAMISON, V. C. Heavy machinery, new problem in soil management. Crops & Soils 5:11-12,38. Oct.1952. 6 W55

3267 KAUL, S. N. Improvement of the newly reclaimed fields in Damodar Valley. In Damodar Valley Corporation. Symposium on soil conservation, p.35-36. Hazaribagh,1951. 56.7 D18

3268 KNUDSEN, L. L., and STRUTHERS, P. H. Strip-mining. Ohio Farm & Home Res. [Ohio Sta.] 37:72-73. Sept./Oct.1952. 100 Oh3S
Reclamation in Ohio.

3269 KOBAYASHI, T., DEI, Y., and KANAMARU, T. Studies on the "Akiochi" paddy field soils. III. Results of field experiments for the reclamation of "Akiochi" paddy field soils. (In Japanese.) Kyushu Noji Shikinjo 8:11-12. Oct.1951. 107.6 K996

3270 LAGOS U., J. A. Equilibrio económico del suelo. Agr. Costarricense 10:164-165. July 1952. 8 Ag895

3271 LARSEN, S. What happens when straw is burnt in the fields? (In Danish.) Dansk Landbr. 71:473-474. Oct.2,1952. 280.28 V91
Effects on soil.

3272 MATSON, H. Soil and water management under the complete watershed program. Agr. Engin. 33: 625-626. Oct.1952. 58.8 Ag83

3273 MATSUDA, M., and TAZUMI, S. Effects of the ameliorating treatments for the degraded paddy soils on the yield, root colours, Helminthosporium disease and so on. (In Japanese.) Kyushu Noji Shikinjo 8:13-14. Oct.1951. 107.6 K996

3274 MERRICK, E., and JOHNSON, E. A. Mountain water. Amer. Forests 58(10):30-32,38. Oct.1952. 99.8 F762
Watersheds in North Carolina.

3275 MORSE, A. R. The organic method in Haiti. Green Thumb [Denver] 9(10):12-14. Oct.1952. 80 G82

3276 OSANAI, T., IDEUE, T., and HINO, R. On the reclamation work system with draft animals in the newly clearing land. (In Japanese.) Kyushu Noji Shikinjo 8: 129-130. Oct.1951. 107.6 K996

3277 OSBORN, B. Storing rainfall at the grass roots. J. Range Mangt. 5:408-414. Nov.1952. 60.18 J82

3278 PEAVY, B. Foods for life. Org. Farmer 4(4): 12-14,40,42,44. Nov.1952. 57.8 Or3
Chiefly organic gardening.

3279 PEAVY, B. The N—P—K myth. Org. Farmer 4(3):22-23,44-46. Oct.1952. 57.8 Or3

3280 PFEIFFER, E. E. The organic-chemical controversy in agriculture. Bio-Dynamics 10(3):2-19. Summer 1952. 56.8 B52

3281 POWELL, T. Israel shows that desert can be reclaimed. Org. Farmer 4(3):14-15,38-40. Oct.1952. 57.8 Or3

3282 PROEBSTING, E. L. Which is the best soil management practice? West. Fruit Grower 6(10):9-10. Oct.1952. 95.8 G762

3283 RAUZ, S. G. Forest belts in a semiarid steppe. (In Russian.) Les i Step' 3(12):74-76. Dec.1951. 99.8 L565
Reclamation through windbreaks and horticultural crops.

3284 RIPADO, M. F. B. Brief considerations on the agricultural handling of the soil. (In Portuguese.) Gaz. do Agr. 4:154-155. June 1952. 24 G25
Soil management.

3285 ROBINSON, T. W. Water thieves. Chemurg. Digest 11(10):12-15. Oct.1952. 381 N213Na
Deep-rooted plants.

3286 SAUERLANDT. Jahrhunderte begegnen sich; wo liegt der "wunde punkt" der organischen düngung? Deut. Landwirt.-Gesell. Mitt. 67:582-583. Aug.16,1952. 18 N39

3287 SCHILLER, H., and KRÖPPL, A. Zur frage des mergelrätzens. Bodenkultur 6:163-169. Ref. 1952. 19 B635

3288 SCHLICHTING, E. Bodenkundliche grundlagen einer verbesserten auswertung der schnellmethoden zur ermittlung des nährstoffbedarfs der böden, dargestellt am beispiel Schleswig-Holsteins. Landwirt. Forsch. 4: 182-185. 1952. 18 L2333

3289 TIDMAN, D. A. Soil—the nitrogen cycle. Milk Indus. 33(3):69-73. Sept.1952. 44.8 M593

3290 TINDALL, C. Good treatment—good for good land, also. Mo. Rur. 93(20):4-5,22. Oct.25,1952. 6 R8891
Soil improvement in Atchison County, Missouri.

3291 U. S. BUR. OF RECLAMATION. Reclamation's golden jubilee, 1902-52. Washington,1952. folder. 156.85 R246

3292 U. S. SOIL CONSERVATION SERV. Physical land conditions affecting use, conservation, and management of land resources, Jefferson County, Kansas, by R. W. Eikleberry, C. L. Fly, and H. E. Myers. Manhattan,1952. 22 p. 1.96 L22Ph
Kansas Agricultural Experiment Station cooperating.

3293 U. S. SOIL CONSERVATION SERV. Physical land conditions affecting use, conservation, and management of land resources, Pottawatomie County, Kansas, by R. W. Eikleberry, C. L. Fly, and H. E. Myers. Manhattan,1952. 21 p. 1.96 L22Ph
Kansas Agricultural Experiment Station cooperating.

3294 U. S. SOIL CONSERVATION SERV. Physical land conditions affecting use, conservation, and management of land resources, Shawnee County, Kansas, by R. W. Eikleberry, C. L. Fly, and H. E. Myers. Manhattan,1952. 19 p. 1.96 L22Ph
Kansas Agricultural Experiment Station cooperating.

3295 U. S. SOIL CONSERVATION SERV. Physical land conditions affecting use, conservation, and management of land resources Wabaunsee County, Kansas, by R. W. Eikleberry, C. L. Fly, and H. E. Myers. Manhattan,1952. 18 p. 1.96 L22Ph
Kansas Agricultural Experiment Station cooperating.

3296 VAN RENSBURG, H. J. Grass burning experiments on the Msima River stock farm, Southern Highlands, Tanganyika. East African Agr. J. 17:119-129. Jan.1952. 24 Ea74
Pasture establishment and management.

3297 VOGEL, F. Bodenbildung und bodenfruchtbarkeit, aufgezeigt an südbayerischen bodentypen unter besonderer berücksichtigung von ackerböden. Z. f. Pflanzenbau u. Pflanzenschutz. Sonderh. 3:11-43. Ref. May 1952. 464.8 Z32

3298 WEBBER, L. R., and others. Ontario soils—their use, management and improvement. Ontario Dept. Agr. B. 492,44 p. Sept.1952. 101 On8B
F. F. Morwick, T. J. Heeg, N. J. Thomas and N. R. Richards, joint authors.

Soil Fertility

3299 ADAMS, F. E. Minerales para la agricultura; restaurador natural del suelo. Rev. de Agr. [San José] 24:282-284. Sept.1952. 8 Es1

3300 AHRER, K. Düngung der rotklee- und luzerneschläge. Bauer 5(6):11-12. Feb.9,1952. 19 B32
Austria.

3301 ALBRECHT, R. He builds fertility with cornstalk residues. Prairie Farmer, Gen. Ed. 124(19):5,54. Oct.4,1952. 6 P883

3302 ALEKSEEV, E. K. Green manures in Ukrainian SSSR. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951: 42-58. 57.09 N22

3303 ALIAMOVSKIĬ, N. I. Role of liming in increasing the yields of wheat in the non-black earth area. (In Russian.) Sovet. Agron. 10(9):39-42. Ref. Sept.1952. 20 So84

3304 ARSENAULT, L. La cuisinière du sol, la chaux. Foyer Rur. [Montreal] 11(9/10):7,10. July/Aug. 1952. 7 F83

3305 ÄSLANDER, A. Standard fertilization and liming as factors in maintaining soil productivity. Soil Sci. 74:181-195. Ref. Sept.1952. 56.8 So3

3306 ATKINSON, H. J., MACLEAN, A. J., and WIANCKO, M. R. Soil fertility studies. III. Manure and fertilizers for field crops at Kapuskasing, Ontario. Sci. Agr. 32:526-534. Oct.1952. 7 Sci2

3307 BACHTELL, M. A. Cornstalks—how to handle them. Rur. New-Yorker 102:620,642. Oct.4,1952. 6 R88
Effect on soil fertility.

3308 BACHTELL, M. A. Evaluation of phosphoric acid and potash programs. Better Crops Plant Food 36 (8):19-22,45-48. Oct.1952. 6 B46

3309 BASTISSE, E. M. Fumure silicophosphatée potassique. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:111-123. Ref. Jan./Feb.1952. 14 F8499
English summary.

3310 BATES, R. P., and COOK, E. D. Effect of different sources of phosphate on yield and botanical composition of pasture vegetation. Tex. Agr. Expt. Sta. Prog. Rpt. 1481,3 p. Aug.2,1952. 100 T31P

3311 BEAR, F. E. The earth and the fullness thereof. Land 11:218-220. Summer 1952. 279.8 L22
Soil fertility and conservation.

3312 BEATTIE, J. M. Baldwin apples affected in size, color and acid by nitrogen applications. Ohio Farm & Home Res. [Ohio Sta.] 37:74,82. Sept./Oct.1952. 100 Oh3S

3313 BELOVA, E. P. Preparation and utilization of organic, mineral, granulated fertilizers on state farms. (In Russian.) Sovet. Agron. 10(9):86-87. Sept.1952. 20 So84
Experiments with spring wheat.

3314 BEMELMANS, J. Potato fertilizer experiment. (In Portuguese.) Soc. Rur. Bras. Rev. 32(377):28-29. June 1952. 9.2 B733

3315 BENZIN, V. M. Coal dust for Alaskan gardens. Fairbanks,1952. 7 p. 91.12 B44

3316 BERENDES, P. Die wichtigsten umsetzungen der organischen substanzen in unseren nutzböden. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1514,1516. Sept.18,1952. 18 L2346

3317 BHAUMIK, H. D. Residual effects of different doses and combinations of major plant nutrietns (N,P and K) applied to potato on the yield of sunhemp. In Damodar Valley Corporation. Symposium on soil conservation, p.26-27. Hazaribagh,1951. 56.7 D18

3318 BOĬKO, E. I. Granulated fertilizers—strong potential for increasing buckwheat productivity. (In Russian.) Sovet. Agron. 10(9):85-86. Sept.1952. 20 So84

3319 BOURGAULT, B. L'hyperphosphate. Ferme 13(12):17. Aug.1952. 7 F38

3320 BOURGET, F. L'emploi des engrais et ses enseignements sur les possibilités du progrès en agriculture. Sol 70:318-325. 1952. 14 So4

3321 BRAUKMANN, W. G. Gedanken eines alten landwirts über wandlungen in düngungs-, fütterungs- und futterfragen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1532,1534. Sept.18,1952. 18 L2346

3322 BRAY, R. H. Organic matter keeps our soils productive! Soils & Crops 5(2):20-23. Nov.1952. 6 W55

3323 BUKOVAC, P. Duhanska tla i duhani iz Hercegovine i Dalmacije [Tobacco soils and tobaccos of Hercegovina and Dalmatia]. I. Duhanski Inst. Kem. Lab. Radovi 3,87 p. 1951. 69.9 Z1
English summary.

3324 BURMAK, N. Growing cabbage seedlings in earth enriched with manure in pots and cubes. (In Russian.) Sad i Ogorod 3:73. Mar.1952. 80 Sa13

3325 BURRIEL, F., and ALEIXANDRE, V. Sobre los suelos arrozales de España. An. de Edafologia y Fisiol. Veg. 11:349-371. July/Aug.1952. 506 Sp12
English summary.

3326 BUTSEROGA, M. M. Role of fertilizers in increasing the yields of grass and legume mixtures. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:189-195. 57.09 N22

3327 CAVAILLE, A. Où en sont nos connaissances en matière de fumure phosphatée. Tarn-et-Garonne Agr. 15:151-152. Sept.1952. 14 T17

3328 CHAFFIN, W. Vetch for soil improvement. Okla. Agr. Col. Ext. C. 472,12 p. n.d. 275.29 Ok41C

3329 CHAMINADE, R. Recherche sur le role de la matière organique dans la fertilité des sols; influence de l'humus sur la nutrition minérale des végétaux. France. Inst. Natl. de la Rech. Agron. Ann. Sér A, Ann. Agron. 3:95-104. Jan./Feb.1952. 14 F8499
English summary.

3330 CHAPMAN, C. J. Triple pasture profits; dollars spent for fertilizers returned three for one in greater grass production. Capper's Farmer 63(10):23, 33. Oct.1952. 6 M693

3331 CHOUDHURY, J. K. Manurial experiments on jute. III. Effects of ammonium sulphate, potassium chloride and superphosphate on the growth and yield of the plants. Bot. Soc. Bengal. B. 5:55-63. Apr.1951,pub. Mar.31,1952. 451 B659

3332 CHUCKA, J. A. It pays to fertilize corn for high yields. East. States Coop. 28(11):5-7. Nov.1952. 280.28 Ea7

3333 CHUMANOV, IA. Supplementary nutrition of cotton through channels other than its root. (In Russian.) Khlopkovodstvo 6:29-32. June 1952. 72.8 K522
Foliar application.

3334 CLARK, H. L. Effect of plow pans on crop production in the sugarcane area of the Mississippi Delta. Sugar J. 15(6):42. Nov.1952. 65.8 Su391

3335 COIC, Y. La nutrition azotée du blé. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:417-421. May/June 1952. 14 F8499

3336 COSBY, S. W. The right fruit crop on the right soil. West. Fruit Grower 6(10):7-8. Oct.1952. 95.8 G762

3337 DAVIDSON, O. W. It pays to fertilize orchids. Amer. Orchid Soc. B. 21:743. Oct.1952. 80 Am329

3338 DEMIDOV, S. F. On soil fertility. (In Russian.) Agrobiologiîa 3:97-109. May/June 1952. 20 Ag822

3339 DEMOLON, A., and HENIN, S. Sur la capacité de production des sols. Acad. des Sci. Compt. Rend. 235: 847-850. Oct.20.1952. 505 P21

3340 DOBROTVORSKAIA, K. M. Utilization of manure in the grass-field crop rotations. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:31-41. 57.09 N22

3341 DROSDOFF, M., POTTER, G. F. Leaf analysis important to growers. Tung World 7(2):9-10. July 1952. 77.8 T83

3342 DUMENIL, L. Nitrogen fertilizers for corn. Iowa. Agr. Expt. Sta. B. P114:833-855. July 1952. 100 Io9

3343 DU TOIT, J. L. Fertilizer practice and investigations in the South African sugar industry. Rev. Agr. de l'Ile Maurice 31:55-63. Mar./Apr.1952. 24 M44

3344 EMBLETON, T. W., KIRKPATRICK, J. D., and PARKER, E. R. Field response by orange trees to phosphatic fertilizers. Calif. Citrog. 37:463,481. Oct.1952. 80 C125

3345 ESTRADA, A. J. Abonamiento de potreros. Agro [Maracay] 7(21):19-36. June/Aug.1952. 9.95 Ag83
Venezuela.

3346 FELBER, W. Die nährstoffversorgung der landwirtschaftlichen kulturböden in Niedersachsen. Hannoversche Land- u. Forstwirt. Ztg. 105:946-947. Sept.20,1952. 18 H194

3347 FERRAND, M., OLLAGNIER, M., and BOYE, P. Résultats des premiers essais de fumure minérale sur les palmiers à huile en Cote d'Ivoire. Oléagineux 7:553-556. Oct.1952. 77.8 OL2
English summary p. 602.

3348 FILIPENKO, I. M. Nourishment of grapes by means other than its root. (In Russian.) Vinodel. i Vinograd. SSSR. 2:34-35. Feb.1952. 95.8 V77

3349 FORSEE, W. T., JR., and HILLS, W. A. Fertilizer experiments with some vegetable crops on sandy soils of eastern Palm Beach County. Fla. State Hort. Soc. Proc. 64:92-95. Ref. 1951,pub.1952. 81 F66

3350 FREDRIKSSON, L. Storage in the fall already; distribution of fertilizers must be made easier. (In Swedish.) Lantmannen 36:791-792. Oct.4,1952. 11 L234
Chiefly on application of fertilizers in fall.

3351 GARNIER, C. Le marnage dans l'Oise. Sol 70:334-335. 1952. 14 So4

3352 GARZIA, A. Fertilizers for citrus. (In Italian.) Frutticolt. Campana 2(8):1,3. Aug.25,1952. 80 F9474

3353 GERICKE, S. Die düngung der zuckerrübe. Ed. 2, rev. and enl. Hannover,Schaper,1951. 60 p. 57.7 G312Du

3354 GERICKE, S. Phosphorsäure- und kalkdungung auf sauren böden. Ed. 2. Berlin,Parey,1951. 48 p. 57.2 G313

3355 GERICKE, S. 10 fragen der wiesendüngung. Essen,Tellus-Verlag,1951. 59 p. 57.7 G312Z

3356 GHISLENI, P. L. Fertilizing asparagus. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36: 147-157. Ref. July/Aug.1952. 86 R22
English summary.

3357 GILIS, M. B. Agricultural effectiveness of Kalushin-Stebnikov potassium fertilizers in the western regions of Ukrainian SSR. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:135-139. 57.09 N22
Experiments with field crops.

3358 GIROUD, P. Le marnage moderne dans l'Eure. Sol 70:329-333. 1952. 14 So4

3359 GODLIN, M. M. Liming of Podzolic and Soloth soils of the forest-steppe of Ukrainian USSR. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:171-175. 57.09 N22

3360 GOLUBEV, V. D. Use of green manures for potatoes in the Volga Region. (In Russian.) Sad i Ogorod 8:66-68. Aug.1952. 80 Sa13

3361 GROEFSEMA, N. K. Sugar beets grow on alkali land. Spreckels Sugar Beet B. 16:37-38. Sept./Oct. 1952. 66.8 Sp7

3362 HALAIS, P. Diagnostics foliaires effectués à Montpellier et à Maurice sur quelques vignes du Midi de la France. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:125-126. Jan./Feb.1952. 14 F8499
English summary.

3363 HARMER, P. M. The nutrition of muck crops. Better Crops Plant Food 36(8):6-11,40-43. (Cont.) Oct.1952. 6 B46

3364 HARRINGTON, E. Feeding orchard trees. Org. Farmer 4(3):26-27,53-55. Oct.1952. 57.8 Or3

3365 HARTMANN, F. Der waldboden; humus-, boden- und wurzeltypen als standortsanzeiger. Wien, Österreichisches Produktivitäts-Zentrum,1951. 151 p. 56.12 H25

3366 HAWKINS, A., and BROWN, B. A. Response of potatoes to rate and placement of nitrogen in Connecticut, 1948-1950. Soil Sci. Soc. Amer. Proc. 16:248-252. July 1952. 56.9 So3

3367 HENDERSON, A. F. C. The use of fertilizers. Queensland Fruit & Veg. News 1(26):9-10. May 4,1951. 280.38 Q3

3368 HIBON, J. À propos de la fumure des agrumes telle qu'elle fut etudiée au Congrès de Valence. Fruits et Primeurs de l'Afrique du Nord 22:294. July/Aug.1952. 80 F9482

3369 HOSODA, K., and TAKATA, H. On the fertilizer effect of the fused magnesium phosphate (new fertilizer) to the black soil in Japan. (In Japanese.) Tottori Soc. Agr. Sci. Trans. 9:73-78. Dec.30,1951. 513 T64
English summary.

3370 HOVD, A. Liming and effect of lime on bogs. (In Norwegian.) Norsk Landbr. 18:364-367. (Cont.) Oct.10,1952. 11 N8122

3371 HUNTER, J. A. Sodium alginate and carboxymethyl cellulose as substitutes for rotted organic material in soil mixtures. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:186-191. Aug.1952. 514 N48A
For tomato plants.

3372 ÎAKUSHKIN, I. V., and ÉDEL'SHTEÎN, M. M. Preharvest external feeding as a method of increasing the saccharinity of sugar beets. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:12-14. May 1952. 20 D742
Spraying with nutritive solutions.

3373 IDNANI, M. A. Scope and limitations of sulphate of ammonia as fertilizer in India. Sci. & Cult. 18:76-79. Ref. Aug.1952. 475 Sci24

3374 ISMAILOV, D. Effect and after-effect of granulated organic mineral fertilizers on cotton crop. (In Russian.) Khlopkovodstvo 7:35-41. July 1952. 72.8 K522

3375 JACOB, A. Williams lehre vom einheitlichen prozess der bodenbildung. Landwirt. Forsch. 4:119-132. 1952. 18 L2333

3376 JACOBSON, H. G. M. Substitutes for stable manure in commercial vegetable farming. Conn. (State) Agr. Expt. Sta. B. 560,10 p. July 1952. 100 C76St

3377 JOHNSON, G. D. Look what legumes can do for you. Successful Farming 50(10):40. Oct.1952. 6 Su12
Effect of alfalfa on the soil.

3378 KAILA, A. Influence of legumes upon soil fertility. Acad. Sci. Fenn. Ann. Ser. A. II. Chem. 42, 39 p. Ref. 1952. 385 H362

3379 KAL'TIA, A. IA. On dates for fertilizing onions. (In Russian.) Agrobiologiîa 3:128-131. May/June 1952. 20 Ag822

3380 KAY, C. Green manure trials at Clarksburg. Crystal-ized Facts Sugar Beets 6(4):27-28. Oct.1952. 66.8 C88

3381 KING, N. J. Velvet beans. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 56:20-21. July 1, 1952. 65.9 Q3C

3382 KIRCHMEYER. Jetzt erst recht handelsdünger verwenden! Kärntner Bauer 102:509-510. Sept.15,1952. 19 K14

3383 KLEMME, A. W. High acre yields of quality crops come from well-fed soils. Mo. Rur. 93(19):38-40. Oct.11,1952. 6 R8891

3384 KNOWLES, R. P., and COOKE, D. A. Response of bromegrass to nitrogen fertilizers. Sci. Agr. 32:548-554. Oct.1952. 7 Sci2

3385 KODENKO, A. N. Effect of vineyard fertilization on wine quality. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):17-19. Dec.1951. 95.8 V77

3386 KODENKO, A. N. "Rejuvenation" of grape roots. (In Russian.) Sad i Ogorod 3:29-32. Mar.1952. 80 Sa13
Fertilizers.

3387 KOHNLEIN, J., and EFFLAND, H. Zur untersuchung von rohhumushaltigen heidesandböden auf pflanzenverfügbare nährstoffe. Landwirt. Forsch. 4:46-50. 1952. 18 L2333

3388 KOROVKIN, M. A. Increasing the effectiveness of phosphorite fertilizer under the influence of organic matter of perennial grass and legume soil. (In Russian.) Sovet. Agron. 10(9):83-84. Sept.1952. 20 So84

3389 KOSTÎUCHENKO, A. D., LISTVIN, K. S., and PETROVA, L. I. On the application of granulated fertilizers to fibre flax. (In Russian.) Sovet. Agron. 10(8): 63-68. Aug.1952. 20 So84

3390 KOVBASINSKIĬ, I. M. Our method of utilizing green manure. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:13-14. Mar.1952. 20 D742

3391 KREIMERMAN, I. M. Proper utilization of fertilizers [for sugar beets]. (In Russian.) Sakh. Promysh. 26(7):40-42. July 1952. 65.8 Sa2

3392 KRIZNIC, R. Gedanken zur kalkdüngerverwendung. Landwirtschaft 17/18:259. Sept.1952. 19 L235

3393 KURIHARA, T. Atarashii dojo, hiryo no hyakka [New knowledge of soil and fertilizer]. Tokyo, Saginomiya Shobo,1951. 526 p. 57 K96

3394 KUZNETSOV, M. D. The use of nutritive cubes in growing fruit seedlings. (In Russian.) Sad i Ogorod 4:15-16. Apr.1952. 80 Sa13

3395 LANDRAU, P., JR., and SAMUELS, G. The effect of fertilizers on the yield and quality of sweetpotatoes. P. R. U. J. Agr. 35:71-87. Ref. Apr.1951,pub. Apr.1952. 8 P832J

3396 LEJA, M. Effects of the method of application and the amount of mineral fertilizer upon the crop of summer wheat. (In Latvian.) Latv. PSR Zinātņu Akad. Vest. 5:699-704. Ref. 1951. 511 R442
Russian summary.

3397 LOWREY, G. W., and others. Commercial fertilizer results with winter wheat and rye, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 23,29 p. Aug. 1952. 100 N27O
R. A. Olson, A. F. Dreier, and P. L. Ehlers, joint authors.

3398 LUGO-LOPEZ, M. A. Moisture characteristics of some soils of Puerto Rico where sugar cane is grown. Sugar J. 15(6):29-32. Nov.1952. 65.8 Su391

3399 LUGO-LÓPEZ, M. A., and BONNET, J. A. Utilization of organic soils in Puerto Rico. P. R. U. J. Agr. 35:57-65. Ref. Apr.1951,pub.Apr.1952. 8 P832J

3400 LYON, A. V. Citrus soils: careful selection needed to maintain productivity and preserve capital value. Citrus News 27,i.e.28:99. July 1952. 80 C494

3401 LYONS, J. C., and EARLEY, E. B. The effect of ammonium nitrate applications to field soils on nodulation, seed yield, and nitrogen and oil content of the seed of soybeans. Soil Sci. Soc. Amer. Proc. 16:259-263. July 1952. 56.9 So3

3402 MCCOLLAM, M. E. N-P-K for deciduous fruit trees. West. Fruit Grower 6(10):13-15. Oct.1952. 95.8 G762

3403 MACHIGIN, B. Effectiveness of supplementary fertilization of cotton when injected at the side of the row. (In Russian.) Khlopkovodstvo 6:25-28. June 1952. 72.8 K522

3404 MACINTIRE, W. H., and STERGES, A. J. Quenched calcium silicate slag and limestone incorporations in two Tennessee soils — a 10 year lysimeter study. (Abs.) Soil Sci. Soc. Amer. Proc. 16:310. July 1952. 56.9 So3

3405 MCNALL, P. E., and others. Farming in the central sandy area of Wisconsin. Wis. Agr. Expt. Sta. B. 497,24 p. June 1952. 100 W75
H. O. Anderson, A. R. Albert, and R. W. Abbott, joint authors.

3406 MCVICKAR, M. H. Grass + fertilizer = more food; filling the extra plate. Windrow 2(2):3-5. May 1952. 60.18 W72

3407 MAMCHENKOV, I., and BODROVA, E. Organic and mineral granulated fertilizers. (In Russian.) Kolkhoz. Proizvodstvo 12(8):19-20. Aug.1952. 281.8 K83
Experiments with field crops.

3408 MARAIS, J. S. C., and STEIN, L. H. Fertilizer studies with tobacco plants using radiophosphorus labelled superphosphate. Union So. Africa. Dept. Sci. B. 331,8 p. 1951. 24 So84S

3409 MARILLONNET, L. Cultures sur dunes en Hollande. Agriculture [Paris] 16:197-198. July/Aug. 1952. 14 Ag823
Soils for bulb culture.

3410 MARTIN, G. Recherches sur l'humus. II. Acad. d'Agr. de France. Compt. Rend. 39:422-426. June 11/18,1952. 14 P215Bc

3411 MATKIN, O. A. Nitrogen in the U of C soil mix. Pacific Coast Nurseryman 11(9):26,50-51. Sept. 1952. 80 P116

3412 MEHLICH, A. Why and how much lime for your land. Res. & Farming [N. C. Sta.] Prog. Rpt. 10:12-13. Summer 1951. 100 N81R

3413 MELCHERT, H. Nitrogen for winter crops in fall? IV-V. (In Swedish.) Lantmannen 36:713-715,736-737. Sept.6-13,1952. 11 L234

3414 MELLO, E. M. DE. Toward good production. (In Portuguese.) Lav. e Criação 13(6):16-17. June 1952. 49 L392
Soil fertility.

3415 MIKKELSEN, D. S., and HOOVER, M. Cotton fertilization trials; fertilizer sources, rates, and application studied for effects on yield, fiber, and quality in San Joaquin areas. Calif. Agr. [Calif. Sta.] 6(8):3-4. Aug.1952. 100 C12Cag

3416 MILES, I. E. Nitrogen. Miss. State Col. Ext. P 235,6 p.-folder. June 1952. 275.29 M68Ext

3417 MILES, I. E. Phosphorus. Miss. State Col. Ext. P. 237,6 p.-folder. June 1952. 275.29 M68Ext

3418 MILES, I. E. Potash. Miss. State Col. Ext. P. 236,6 p.-folder. June 1952. 275.29 M68Ext

3419 MITCHELL, J., and others. Availability of fertilizer and soil phosphorus to grain crops, and the effect of placement and rate of application on phosphorus uptake. Sci. Agr. 32:511-525. Ref. Oct.1952. 7 Sci2
A. M. Kristjanson, H. G. Dion, and J. W. T. Spinks, joint authors.

3420 MOLLER A., E. Sobre la necesidad de determinar la productividad alimenticia de nuestras tierras. Agr. Austral 20:238-240. June 1952. 9.3 Ag842
Chile.

3421 MONTELARO, J., HALL, C. B., and JAMISON, F. S. Some preliminary studies on the nitrogen nutrition of tomatoes with foliar sprays. Fla. State Hort. Soc. Proc. 64:95-96. 1951,pub.1952. 81 F66

3422 MYERS, H. E., and SMITH, F. W. Fertilizer recommendations for Kansas. Kans. Agr. Expt. Sta. C. 285,30 p. June 1952. 100 K13S

3423 NAĬDIN, P. G. Placement of granulated superphosphate into rows during sowing [of field crops]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:22-26. Mar.1952. 20 D742

3424 NIESCHLAG, F. Die abhängigkeit der ernten von der düngung. Landwirtbl. Weser-Ems 99:880-882. Sept.4,1952. 18 L2345

3425 NIESCHLAG, F. Der einsatz von bodenspezialisten zur förderung der bodenfruchtbarkeit bei den länderregierungen. Z. f. Pflanzenbau u. Pflanzenschutz. Sonderh. 3:7-10. May 1952. 464.8 Z32

3426 NIXON, W. M. Guar: a conservation legume. Soil & Water Mag. 1(9):10,12. Sept.1952. 54.8 So3

3427 NOVAK, V. The soils in horticulture and gardening. (In Czech.) Brünn. Vysoká Sk. Zemedel. a Lesn. Sborn. 2:1-53. Sept.30,1951. 105.92 B833

3428 OBERHOLZER, P. C. Fertilizing of fruit trees. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 29(3):31-33. Aug.1952. 24 T684

3429 OKANENKO, A. S. Effects of spraying with certain preparations upon the productivity of beet plants. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:213-218. 1951. 463.29 Ak1

3430 OLAND, K. Provision of nutrition to fruit trees through the leaves. (In Norwegian.) Norsk Hagetid. 68:156-160. Sept.1/15,1952. 80 N81

3431 ORLOVSKIĬ, N. I. Effect of [soil] conditions in growing sugar beets upon the productivity of the next generation. (In Russian.) Selek. i Semen. 19(4):60-64. Apr.1952. 61.9 Se5

3432 ORTIZ G., G. Recomendaciones básicas para el uso de los fertilizantes. Agr. Costarricense 10:151-162. July 1952. 8 Ag895

3433 ÖSTERREICHISCHES PRODUKTIVITÄTS-ZENTRUM. Kalk für den wald. Wien,1951. 128 p. (Die Studienreise, Schriftenreihe des Österreichischen Produktivitäts-Zentrums) 57.7 Os72

3434 OSTROUKHOV, A. M. Experiments in eliminating periodicity in the yield of apple trees. (In Russian.) Sad i Ogorod 4:12-15. Apr.1952. 80 Sa13
Chiefly on fertilizer application.

3435 OTRYGAN'EV, A. V. How to improve the quality of tobacco grown in Black soil. (In Russian.) Tabak 13(3):42-44. May/June 1952. May/June 1952. 69.8 T112

3436 OUELLETTE, G. J. Seule la chaux peut guérir les sols acides. B. des Agr. 34(9):11,74. Sept. 1952. 7 B872

3437 PAISLEY, K. Fertilisers for horticultural crops. 10. Manures for onions. Fert. Feed. Stuffs & Farm Supplies J. 38:607-608. Sept.17,1952. 57.8 F413

3438 PCHELKIN, V. U., and BODROVA, E. M. Preparation and application of organic and mineral granulated fertilizers. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:18-22. Mar.1952. 20 D742
Superphosphate chiefly.

3439 PETERBURGSKIĬ, A. V. In regard to soil liming under legumes and grasses. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):18-23. 1952. 20 Ak1

3440 PETERSON, H. B. Effect of nitrogen fertilizer on yield and protein content of winter wheat in Utah. Utah. Agr. Expt. Sta. B. 353,29 p. June 1952. 100 Ut1

3441 PEYTHIEU. La fumure du blé dans le Nord et le Pas-de-Calais. Nord Agr. 8(50):5. Oct.3,1952. 14 N75

3442 PFAFF, C. Die pflanzennährstoffe im boden. Ratschläge f. den Bauernhof 7,32 p. 1951. 18 L62

3443 PINKOW, H. H. Die bodenkartierung der weinbaugebiete im Rheingau. Hess. Landesamt f. Bodenforsch. Notizbl. 6(2):98-111. 1951. 509 D25

3444 PISEMSKAÎA, V. Role of alfalfa fertilizers in cotton crop rotation in Azerbaidzhan. (In Russian.) Khlopkovodstvo 5:30-35. May 1952. 72.8 K522

3445 PISKAREV, A. N. Role of phosphate fertilizers in growing seedlings. (In Russian.) Les i Step' 3(12):17-23. Dec.1951. 99.8 L565
Forest trees.

3446 PLAISANCE, G. Les sols de forêt et leurs défauts. Forêts de France et Action Forest. 38:4-5,8-9. Apr.1952. 99.9 F315

3447 RADET, E. Le colza et sa fumure. B. des Engrais 343:123-126. July/Aug.1952. 57.8 B87

3448 RAFTER, T. A., and others. Preparation of radioactive phosphate fertilizer for field experiments. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:213-223. Aug.1952. 514 N48A
K. N. Baigent, W. J. McCabe and W. J. Ritchie, joint authors.

3449 RAMOS LEDON, L., and PARRADO ALVAREZ, J. L. Fertilización científica en vuelta abajo. Agrotecnia 7:38-48. July/Aug.1952. 8 Ag825
Cuba.

3450 REUTHER, W., and SMITH, P. F. Relation of fertilizer treatment to fruit quality of Valencia oranges. Fla. State Hort. Soc. Proc. 64:29-35. 1951,pub.1952. 81 F66

3451 RIVEROS, J. E. La abonadura de los viñedos. Vinos, Viñas y Frutas 46(562):76-78. July 1952. 9 Ag89

3452 ROJAS CRUZ, L. A. Estudios de fertilidad de los suelos en invernadero. I. Serie Sabana de Bogotá. Rev. Nac. de Agr. 46(567):41-44. July 1952. 9.4 R32

3453 ROJAS CRUZ, L. A. Manual de abonos químicos y enmiendas del suelo. Rev. Ganad. [Habana] 12(9): 24-25,55-59. Sept.1952. 49 R321

3454 ROZHDESTVENSKIĬ, I. G. Utilization of potassium salts of Carpathian Region as fertilizer for sugar beets. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:115-127. 57.09 N22

3455 SAATHOFF. Ernährungszustand der obstbäume jetzt beobachten. Obstbauberatungsring. Mittbl. 7(4):4. Aug.1,1952. 85 Ob72

3456 SALTER, R. M. Fertilizers in conservation farming. Amer. Plant Food Council. J. 6(3):4-5,8-9. July/Sept.1952. 57.8 P692

3457 SAMUELS, G., LOPEZ, M. A. L., and LANDRAU, P., JR. Influence of the handling of sugar cane trash on yields and soil properties. Soil Sci. 74:207-215. Ref. Sept.1952. 56.9

3458 SATTLER, R. Düngen der wanderkämpe. Wald 2:282-284. Sept.1952. 99.8 W143

3459 SCHAEFFLER, H. Beiträge zur frage des fruchtbarkeitszustandes und der ertragsleistung der ackerböden in Bayern. Z. f. Pflanzenbau u. Pflanzenschutz. Sonderh. 3:44-57. May 1952. 464.8 Z32

3460 SCHEFFER, F. Ernährung und düngung der pflanzen. Handb. der Landwirt. 1:353-448. (Cont.) 1951. 30 H193

3461 SCHEPER. Meine erfahrungen über planmässige aufkalkung. Landwirtbl. Weser-Ems 99:945-946. Sept.18,1952. 18 L2345

3462 SCHMITT, L., and JUNGERMANN, K. Über die möglichkeit, die wirkung der humuskomponente eines humusdüngers auf den pflanzenertrag zu erfassen. III. Landwirt. Forsch. 3:57-65. 1951. 18 L2333

3463 SCHNEIDER, B. Erfahrungen mit kalk- und gründüngungen auf podsolierten waldböden. Forstarchiv 23:153-158. Sept.15,1952. 99.8 F7723

3464 SCHOENE, G. Kalkdüngung und kalkgehalt des heus württembergischer wiesen. Das Grünland 1: 70-71. Sept.1952. 18 G922

3465 SERGEEV, P. A. Effect of top-dressing in the year of seeding grass-legume mixture on clover hardiness and productivity of stand. (In Russian.) Sovet. Agron. 10(8):69-73. Aug.1952. 20 So84

3466 SHEVLIÂGIN, A. I. Effect of soil conditions on productivity of spring wheat under conditions of Kirov Region. (In Russian.) Pochvovedenie 8:718-726. Ref. Aug.1952. 57.8 P34

3467 SHEWELL-COOPER, W. E. Guide to soil, humus and manuring. London,Eng. U. Press,1952. 60 p. 57 Sh5G

3468 SHIONOYA, M. Shin hiryo no tsukaikata [The use of new fertilizer]. Osaka,Fuminsha,1951. 209 p. 57 Sh62

3469 SILVEIRINHA, R. Green manuring. (In Portuguese.) Vida Agr. [Lisboa] 15(90):3-4. July/Aug.1952. 15.5 V66

3470 SITES, J. W. The effect of variable potash fertilization on the quality and production of Duncan grapefruit. Fla. State Hort. Soc. Proc. 63:60-68. Ref. 1950,pub.1951. 81 F66

3471 SMIRNOV, N. M. Elimination of periodicity in the yield of apple trees by means of additional fertilizing during the summer and fall. (In Russian.) Sad i Ogorod 4:9-12. Apr.1952. 80 Sa13

3472 SNIDER, H. J. Fertilizing corn for yield, protein, and oil. Better Crops Plant Food 36(8):26,44-45. Oct.1952. 6 B46

3473 SPRINGER, U. Humus und bodenfruchtbarkeit. Z. f. Pflanzenbau u. Pflanzenschutz. Sonderh. 3:58-63. May 1952. 464.8 Z32

3474 STAATLICHE AKTIENGESELLSCHAFT FÜR KALI-DUNGEMITTEL "KALI." Rich crops through potash. Erfurt,1951. 22 p. (Staatliche Aktiengesellschaft für Kali-Düngemittel "Kali." Prospekt. 115) 57.22 St1

3475 STEIN, L. H., and MARAIS, J. S. C. Fertilizer studies with tobacco plants using radiophosphorus-labelled superphosphate. II. So. African Indus. Chem. 6: 147-150. June 1952. 385 So8

3476 STEINER, H. M. Advantages and hazards of nitrogen in the spray schedule. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:75-80. 1950,pub.1951. 82 Q3
Foliar application to apples.
Includes discussion.

3477 STEWART, E., and PEARSON, R. W. Utilization of phosphorus by crimson clover as affected by fertilizer placement and rate of liming. Agron. J. 44: 501-502. Sept.1952. 4 Am34P

3478 STOJKOVIĆ, L., and NEUGEBAUER, V. The regions of sugar beet production in P. R. of Serbia with special regard to agricultural operations and the physical soil properties in the main area of production. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):3-23. Ref. 1952. 21.5 Y9
English summary.

3479 STOREY, MRS. J. DE R. From the rock up. Gard. Club Amer. B. 40(6):18-21. Nov.1952. 90.32 G16
Soil in Dade County, Florida.

3480 SVESHNIKOV, A. M. Place of lime fertilizers in the system of grass-field crop rotations. (In Russian.) Agrobiologiîa 3:110-125. Ref. May/June 1952. 20 Ag822

3481 THOMANN. Rohphosphatdüngung auf mineralböden. Deut. Landwirt.-Gesell. Mitt. 67:702-704. Oct. 2,1952. 18 N39

3482 THOMPSON, A. H., MARSH, R. S., and SCHUBERT, O. E. A leaf analyses survey of apple orchards in West Virginia. W. Va. Agr. Expt. Sta. B. 356,11 p. Ref. July 1952. 100 W52

3483 TICO, L. Valor de la veza como abono sideral. Cult. Mod. 35:283-284. Aug.1952. 15 C89

3484 TISDALE, S. L. The effectiveness of various sources of nitrogen in the production of flue-cured tobacco. Agron. J. 44:496-499. Sept.1952. 4 Am34P

3485 TIULIN, V. A., and BEUS, T. B. Effect of organic, mineral, granulated fertilizers on yields of grain crops and perennial grasses and legumes [hay]. (In Russian.) Sovet. Agron. 10(8):56-62. Aug.1952. 20 So84

3486 TROUCHAUD, E. La structure du sol et le développement de la betterave sucrière. Potasse 26: 166-168. Oct.1952. 57.8 P84

3487 ULRICH, A. Fertilizer requirements of vineyards. West. Fruit Grower 6(11):15-16. Nov.1952. 95.8 G762

3488 UNDERHILL, J. P., LORENZ, O. A., and ZOBEL, M. P. Celery fertilizer trials, 1948-1949-1950-1951 summary. Calif. Agr. Col. Ext. Veg. Crops Mimeog. 55,16 p. May 1952. 81 C1255

3489 VAN GARDEREN, J., and SMUTS, I. J. Fertilizer experiments (1927-1946) at the Kroonstad Agricultural Research Station. Union So. Africa. Dept. Agr. Sci. B. 319,55 p. 1951. 24 So84S

3490 VERTUNNI, R. Fertilizing technique in the United States. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(75):8-9. Sept.3,1952. 281.8 Ag3

3491 VIANNA E SILVA, M. Phosphate fertilizer. (In Portuguese.) Vida Agr. [Lisboa] 15(90):4-6. (Cont.) July/Aug.1952. 15.5 V66

3492 VISSCHER C., E. Un estudio entre el valor de diferentes leguminosas para ser empleadas como abonos verdes,en la zona de montaña (Tingo Maria). Agronomia [Lima] 17(70):106-108,110. July 1952. 9.8 Ag83

3493 VLADIMIROV, A. V. Top-dressing winter crops [grain] with local and mineral fertilizers. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:15-18. Mar.1952. 20 D742

3494 VOLK, G. M., and GAMMON, N., JR. Effect of low nitrate nitrogen on growth of potatoes. Fla. State Hort. Soc. Proc. 63:112-115. 1950,pub.1951. 81 F66

3495 VYSHINSKIĬ, A. M. Stebnikov potassium salts as sources of potassium for agricultural crops of Polesye in Ukrainian SSR. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:128-134. 57.09 N22
Field crops.

3496 VYSHINSKIĬ, A. M. A system of fertilizers for plants in the grass-field crop rotations of Polesye in Ukrainian SSR. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:176-188. 57.09 N22

3497 WELDON, M. D. New fertilizers and new methods. Nebr. State Irrig. Assoc. Proc. 59:13-25. 1951. 55.9 N27P
Includes discussion.

3498 WESTGATE, P. J. Effects of soluble soil salts on vegetable production at Sanford. Fla. State Hort. Soc. Proc. 63:116-123. 1950,pub.1951. 81 F66

3499 ZEZSCHWITZ, E. VON. Düngung—nährzustand des bodens—ernte. Württemb. Wchnbl. f. Landwirt. 119: 873-874. Sept.27,1952. 18 W96

3500 ZIFFER, A. Die stickstoffdüngung der weiden. Ratschläge f. den Bauernhof 5,20 p. Ref. 1951. 18 L62

Soil Tilth and Tillage

3501 ARKEMA, P. W. B. Tillage forms the foundation for the harvest. (In Dutch.) Plattelands-Post 8(39):3. Oct.2,1952. 12 P69

3502 BALEV, P. M. In regard to deepening the arable layer of turfy-Podzolic soils. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):29-34. 1952. 20 Ak1

3503 BAUMANN, H. Die winterfurche. Deut. Landwirt. 3:521-523. Oct.1952. 18 D4822
Russian Zone.

3504 BERENDES, P. Die bearbeitung der ackerböden unter biologischen gesichtspunkten gesehen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1737-1738. Oct.23,1952. 18 L2346

3505 BERGGREN, F. Mulch tillage moves into the Corn Belt. Crops & Soils 5:20-21. Oct.1952. 6 W55

3506 BLANCO MACIAS, G. El arrope de los terrenos con residuos vegetales. Tierra [Mexico] 7:591-593,643. Sept.1952. 8 T445

3507 BROWN, C. E. Corn cob and other mulches. Amer. Rose Mag. 10(9):13-15. Sept.1952. 80 Am327A

3508 BURGIS, D. S. Mulching vegetable crops with aluminum foil. Fla. State Hort. Soc. Proc. 63:141-144. 1950,pub.1951. 81 F66

3509 BUZIN, N. P. Deep aeration of soil for grapes and application of fertilizer. (In Russian.) Sad i Ogorod 9:38-41. Sept.1952. 80 Sa13

3510 CHEFRANOV, A. P. Rejuvenation of grape roots. (In Russian.) Sad i Ogorod 9:41-43. Sept.1952. 80 Sa13
Soil aeration.

3511 ENGELMANN. Die üblichen fehler bei der herbstbestellung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1513-1514. Sept.18,1952. 18 L2346

3512 FRITH, H. J. Some effects of no cultivation on the yield and growth of citrus trees. Austral. J. Agr. Res. 3:259-276. Ref. July 1952. 23 Au783

3513 FROMMELD. Gedanken zur herbstbestellung. Württemb. Wchnbl. f. Landwirt. 119:830. Sept.13,1952. 18 W96

3514 GASPARINI, M. Tillage in view of agronomic fertility. (In Italian.) In Pesaro. Camera di Commercio industria e agricoltura. Manifestazione di meccanica agraria, p.36-44. Pesaro,1951. 58.9 P43

3515 GRIFFITH, G. AP. The interception of rain water by a vegetable mulch. Trop. Agr. [St. Augustine] 29:50-53. Jan./Mar.1952. 26 T754

3516 KACHINSKII, N. A. Optimum moisture for soil tillage. (In Russian.) Sovet. Agron. 10(9):58-67. Ref. Sept.1952. 20 So84

3517 KOROBOV, P. System of soil tillage. (In Russian.) Kolkhoz. Proizvodstvo 12(8):17-18. Aug.1952. 281.8 K83

3518 LIGUORI, A. Autumn-winter grasses. (In Italian.) Spezia Agr. 7(9):2. Sept.1,1952. 16 Sp3
Tillage and fertilizers in Italy.

3519 MAURI, N. "Non culture" et évolution. Fruits et Primeurs de l'Afrique du Nord 22:351-352. (Cont.) Sept.1952. 80 F9482

3520 MOSTI, A. Soil tillage. (In Italian.) Spezia Agr. 7(9):3. (Cont.) Sept.1,1952. 16 Sp3
Italy.

3521 NIETO GARCIA, J. Labores en el secano. Cult. Mod. 35:298. Aug.1952. 15 C89
Spanish grain.

3522 RADUMILO, V. By timely plowing of stubble (fields) we shall create favorable conditions for an increase in harvest yield. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):1-2. July 1952. 21.5 V87

3523 RAUTENKRANZ, W. VON. Saatbettherrichtung und herbstarbeiten auf leichten böden. Deut. Landwirt.-Gesell. Mitt. 67:700-701. Oct.2,1952. 18 N39

3524 SAKAMOTO, T. On the effects of straw mulching in the tea field. (In Japanese.) Kyushu Noji Shikinjo 8:63-64. Oct.1951. 107.6 K996

3525 SCHOONOVER, W. R. Why cultivate an orchard? West. Fruit Grower 6(11):19-20. Nov.1952. 95.8 G762

3526 SCHULTZE, W. Die bedeutung der bodengare. Württemb. Wchnbl. f. Landwirt. 119:764-765. Aug.23, 1952. 18 W96

3527 SCHULTZE, W. Die erhaltung der bodengare. Württemb. Wchnbl. f. Landwirt. 119:875. Sept.27,1952. 18 W96

3528 SCHWARTZ, S. M. Does it pay to fall-plow? Hoard's Dairyman 97:766. Sept.25,1952. 44.8 H65

3529 SHCHERBININ, N. M. Deep plowing as a measure of increasing the productivity of agricultural crops. (In Russian.) Sovet. Agron. 10(8):42-46. Aug. 1952. 20 So84
Vegetables chiefly.

3530 SINGH, K. Effects of soil cultivation on the growth and yield of winter wheat. III. Crop growth. J. Sci. Food & Agr. 3:426-432. Ref. Sept.1952. 382 So12

3531 SOIDERER, J. Gedanken zur herbstbestellung. Deut. Landwirt.-Gesell. Mitt. 67:697,701-702. Oct.2, 1952. 18 N39

3532 SOKOLOV, N. Summer care of fallows. (In Russian.) Kolkhoz. Proizvodstvo 12(6):22-24. June 1952. 281.8 K83
Tillage and weed control.

3533 STEFANENKO, A. F. On the placement of plowpoints [in plowing]. (In Russian.) Sovet. Agron. 10 (9):79-80. Sept.1952. 20 So84

3534 SUKHENKO, S. D. Deep plowing in fruit orchards. (In Russian.) Sad i Ogorod 3:6-8. Mar.1952. 80 Sa13

3535 TERPSTRA, A. Tillage of the furrow. (In Dutch.) Landbode 6(38):15. Sept.25,1952. 12 L234

3536 VIRRI, T. J. Uber den einfluss einer auf die aussaat ausgebreiteten strohdecke. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24: 68-78. 1952. 20 Su7M
German summary.
Grain.

3537 WARNECKE, W. Saatbettherrichtung und herbstarbeiten auf schweren böden. Deut. Landwirt.-Gesell. Mitt. 67:699-700. Oct.2,1952. 18 N39

3538 WEAVER, L. R., and JOHNSON, F. S. Tropical seed-bed preparation. IBEC Res. Inst. B. 1,12 p. 1951. 28 In826

Drainage, Irrigation, Water Supply, and Flood Control

3539 ANGERER. Betrieb, arbeitswirtschaft der bewässerungsanlagen, beratung, wirtschaftlichkeit der bewässerung, kreditfragen. Wasser u. Boden 4:223-226. July 1952. 56.8 W28

3540 ANTONIUK, A. A. Experimental work in the green shop of a manufacturing plant. (In Russian.) Sad i Ogorod 9:48-51. Sept.1952. 80 Sa13
Use of waste water for growing vegetables in hotbeds.

3541 BERTINETTI, A. Irrigation in Canavese. (In Italian.) Cron. Econ. 116:29-35. Aug.1952. 280.8 C882

3542 BISSONNET, A. P. Transforming the Thal; thousands of refugee families are already finding new homes and new hope in the Thal; a vast irrigation project is making the desert fertile. Foreign Trade 12(302):6-8. Oct.11,1952. 286.8 C162
Pakistan.

3543 BOMBAY. PUBLIC WORKS DEPT. Annual report No. 18 on irrigation & allied research, 1951-52. Poona,1952. 99 p. 55.9 In223

3544 BOURGET, F. Le drainage mécanique et la productivité; une expérience. Sol 69:289-297. 1952. 14 So4

3545 BOWERS, J. L., BENEDICT, R. H., and WATTS, V. M. Supplemental irrigation of sweet potatoes. Ark. Farm Res. 1(3):2. Fall 1952. 100 Ar42F

3546 BREGGER, J. T. Survey of recent fruit tree irrigation studies. Hoosier Hort. 34:83-86. July/Aug. 1952. 81 In2H

3547 BUDIN, K. Z. Potato varieties for irrigated farming. (In Russian.) Sad i Ogorod 6:70-72. June 1952. 80 Sa13

3548 CANADAY, R. O. Some benefits of Kingsley Dam. Nebr. State Irrig. Assoc. Proc. 59:38-43. 1951. 55.9 N27P

3549 CARAH, W. M. Pay dirt from Tule Lake. Tractor Farming 35(5):18,20. Sept./Oct.1952. 58.8 T672
Reclamation.

3550 COURANJOU, A. Avant et après arrosage que se passe-t-il autour des racines? Pour le savoir: sondez le sol. Fruits et Primeurs de l'Afrique du Nord 22:347-348. Sept.1952. 80 F9482

3551 CRAMPTON, F. A. California's war with the "welfare state." U. S. A. 2(5):97-104. Nov.1952. 134.8 Un3
Central Valley Project.

3552 DEMENT'EV, P. F. Experiment in rice culture with periodic watering in Alkhanchurta Valley, Grozny Region. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):8-14. 1952. 20 Ak1

3553 DOROZHKO, P. K. Technique and organization of irrigation of agricultural crops. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:13-18. Apr.1952. 20 D742

3554 ELSUKOV, I. Management of water supply for plants. (In Russian.) Khlopkovodstvo 4:22-29. Apr.1952. 72.8 K522
Cotton and sugar beets.

3555 ENGLAENDER, A. Ein ganzes meer wurde fruchtbarer acker. Übersicht 3(9):63-64. Sept.1952. 18 Ub3
Reclamation of the Zuider Zee.

3556 EREMENKO, V. Factors in cotton irrigation during the blooming phase and formation of the fruit. (In Russian.) Khlopkovodstvo 7:27-34. July 1952. 72.8 K522

3557 EREMENKO, V. E. Innovation in problems of watering technique and system of cotton irrigation. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:44-46. May 1952. 20 D742

3558 FARBER, M. Como medir el agua de un regadio. Rev. Ganad. [Habana] 12(9):26-27. Sept.1952. 49 R321

3559 FARBER, M. Drenaje de suelos. Chacra 22(263):9. Oct.1952. 9 C34

3560 FARMER, S. More water - bigger yields. Power Farmer 9:130-131. Oct.1952. 58.8 P872
Overhead irrigation.

3561 FEIX, E. Soll ich entwässern? Bauer 5(31): 10-11. Sept.13,1952. 19 B32
Austria.

3562 GALLETTI, A. C. Something new on the drainage of land. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:367-368. Sept.1952. 16 C72

3563 GLUBSHEV, K. S. A collective farm water meter—attachment with a water discharge gage. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:22-25. Apr.1952. 20 D742
In irrigation.

3564 GODUNOVA, K. N. Varieties of summer wheat and the agricultural technique they require for irrigated farming in the South East. (In Russian.) Selek. i Semen. 19(8):52-59. Aug.1952. 61.9 Se5

3565 GOODALL, R. A. Irrigation and industry. Nebr. State Irrig. Assoc. Proc. 59:48-54. 1951. 55.9 N27P

3566 GORI-MONTANELLI, L. Overhead irrigation and the problem of the mountain. (In Italian.) Italia Agr. 89:99-109. Feb.1952. 16 It1

3567 GREENAMYRE, J. The program of the National Reclamation Association. Nebr. State Irrig. Assoc. Proc. 59:78-85. 1951. 55.9 N27P

3568 GRINDROD, J. The Columbia Basin Irrigation Project. World Crops 4:383-386. Nov.1952. 281.8 W892

3569 GUNTER, H. Ground water resources of Florida. Fla. State Hort. Soc. Proc. 63:17-25. 1950, pub.1951. 81 F66

3570 GUREVICH, G. Urgent tasks of deriving the greatest benefit from the irrigation system. (In Russian.) Khlopkovodstvo 4:68-72. Apr.1952. 72.8 K522

3571 GUSEINOV, G. Combating the loss of irrigation water in temporary irrigation canals. (In Russian.) Khlopkovodstvo 4:58-67. Apr.1952. 72.8 K522

3572 HAAN, K. I. DE. A hundred years of water control. (In Dutch.) Friesch Landbbl. 49:44. Sept.24, 1952. 12 F91

3573 HAKIM, A. A. The design of small ponds for minor irrigation schemes. In Damodar Valley Corporation. Symposium on soil conservation, p.28-29. Hazaribagh,1951. 56.7 D18

3574 HARILDSTAD, E. Drainage in agriculture. (In Norwegian.) Norsk Landbr. 18:339-340. Sept.26,1952. 11 N8122

3575 HATSUKU, F. Studies on the time of irrigation in the non-transplanting method of rice plant. I. (In Japanese.) Kyushu Noji Shikinjo 8:25-26. Oct.1951. 107.6 K996

3576 HAUSEN, H. On the ground water conditions in the Canary Islands and their irrigation cultures. Acta Geog. 12(2),45 p. Ref. 1951. 511 H367A

3577 HELM, H. Problems of an agricultural engineer in connection with the canals and farms. Crystalized Facts Sugar Beets 6(4):35-36. Oct.1952. 66.8 C88
Arkansas River.

3578 HOWE, O. W. Influence of different irrigation practices on the production of several crops in western Nebraska. Nebr. State Irrig. Assoc. Proc. 59:26-36. 1951. 55.9 N27P

3579 HOWELL, M. Portable irrigation on the ridge. Fla. State Hort. Soc. Proc. 63:26-29. 1950,pub.1951. 81 F66

3580 HUNT, R. Irrigated burley doubled in yield. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 67(11):15,132. Nov.1952. 6 P945K

3581 ISAKOVSKIÎ, V. Practices in cultivation of grain crops in irrigated districts. (In Russian.) Tekhsovety MTS 13(9/10):7-16. Mar.1952. 58.8 T233
Chiefly on irrigation.

3582 JARRETT, G. Exmoor after the deluge. Field 200:368-369. Sept.6,1952. 10 F45

3583 KAITERA, P. On methods of underdrainage II. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:79-84. 1952. 20 Su7M
English summary.

3584 KIRWALD, E. Forsttechnische bachverbauung als landespflege. Forstwiss. Centbl. 71:193-214. July/Aug.1952. 99.8 F775

3585 KLINTWORTH, H. The quality requirements of water for agriculture. So. African Indus. Chem. 6: 117-118. June 1952. 385 So8
Irrigation water.

3586 KOBAYASHI, T., OGATA, T., and YOSHIDA, Y. Studies on the irrigation effects in upland fields. I. (In Japanese.) Kyushu Noji Shikinjo 8:7-8. Oct.1951. 107.6 K996

3587 KOBEK, S. I. Controlling the water losses at the irrigation canals. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:18-22. Apr.1952. 20 D742

3588 KRATYNSKIÎ, V. Use of hydraulic engineering in cleaning irrigation canals of silt. (In Russian.) Khlopkovodstvo 6:54-59. June 1952. 72.8 K522

3589 KUFFELER, V. J. P. DE B. VAN. Quelques problèmes d'économie nationale à propos de la colonisation des polders du lac d'IJssel. (In Dutch.) Econ.-Statis. Ber. 37:733-735. Sept.24,1952. 280.8 Ec722
French summary, p. 723.
Drainage.

3590 KUNIÎAVSKIÎ, M. Utilization of land within consolidated collective farms in Uzbekistan by means of a new system of irrigation. (In Russian.) Khlopkovodstvo 6:9-16. June 1952. 72.8 K522
For cotton culture.

3591 KUVSHINOV, I. Development of agriculture in the district of Stalingrad water works. (In Russian.) Kolkhoz. Proizvodstvo 12(9):3-5. Sept.1952. 281.8 K83

3592 LANGEWIESCHE, W. What's all the noise on the Nile? Sat. Evening Post 225(21):42-43,104,106,109, 111. Nov.22,1952. 110 Sa8
Irrigation.

3593 LAURITZEN, C. W., ISRAELSEN, O. W., and RASMUSSEN, W. W. Lining canals and reservoirs to reduce conveyance losses. Utah. Agr. Expt. Sta. C. 129, 24 p. June 1952. 100 Ut1

3594 LEGG, H. C. Los Angeles County flood control district. California 42(9):10,30-31. Sept.1952. 280.8 C12

3595 LEGOSTAEV, V., and EREMENKO, V. Cotton irrigation. (In Russian.) Khlopkovodstvo 4:9-16. Apr. 1952. 72.8 K522

3596 LUBKOV, A. I. Mechanization of work in drainage and reclamation of peat bogs and marshy lands. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:87-88. Mar.1952. 20 D742

3597 LUCCHETTI, A. Puerto Rico constructs new irrigation project. Civ. Engin. 22:868-871. Oct.1952. 290.8 C49

3598 LUGO LOPEZ, M. A., and MARTINEZ, M. B. Drainage of sugar cane fields in east-central Puerto Rico. Sugar J. 15(5):14,16,18. Oct.1952. 65.8 Su391

3599 MCCULLOCH, R. Bog reclamation in Galway. Agr. Ireland 9:225-227. Oct.1952. 10.5 Ag8

3600 MCKELLAR, E. K., and BROWN, K. G. Irrigated pastures for dairy cattle. Colo. Farm & Home Res. [Colo. Sta.] 3(2):8-10,15-17. July/Aug.1952. 100 C712Co

3601 MANIN, K. Experiment in irrigating collective farm fields. (In Russian.) Kolkhoz. Proizvodstvo 12 (9):42-45. Sept.1952. 281.8 K83

3602 MANVILLI, V. Rice for reclamation. (In Italian.) Riso 1(7):14-16. Aug.1952. 59.8 R49

3603 MARENKIN, F. S. Year-round use of waste water for irrigation. (In Russian.) Sad i Ogorod 7:63-65. July 1952. 80 Sa13

3604 MARI, E. G. Obras hidráulicas e hidroeléctricas del Uruguay. Rev. Geog. 9/10(25/30):133-145. 1949/1950,pub.1952. 331.8 R32
Includes irrigation.

3605 MARR, J. C. The border method of irrigation. Calif. Agr. Expt. Sta. C. 408,23 p. Mar.1952. 100 C12S

3606 MATSEPURO, M. E. Equipment for drainage and reclamation of marshy and swampy lands. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:69-75. Apr.1952. 20 D742

3607 METGE, R. Necesidades en agua de irrigación (en el cultivo del algodonero en el Delta Central de Nigeria). Agronomia [Lima] 17(70):90-95. July 1952. 9.8 Ag83

3608 METZNER, P. Variabler bewässerungsversuch an der Württ. Lehr- und Versuchsanstalt für Wein- und Obstbau, Weinsberg. Obstbau 71:135-136. (Cont.) Sept.1,1952. 80 Ob73

3609 MICHAELIS, A. Economic recovery and development of Iraq. Middle East. Aff. 3:101-106. Apr. 1952. 280.8 M584
Chiefly on plans for development of irrigation.

3610 MIKHAILOV, M. N. Norms and dates for watering agricultural crops in Rostov Region. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:39-43. May 1952. 20 D742

3611 MONZIES, Y. Les paturages irrigués aux U. S. A. Terre Marocaine 26:289-300. Aug.1952. 24 T44

3612 MORAES, C. M. DE. Irrigation dams. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:83-85. Apr./June 1952. 9.2 R325
Brazil.

3613 MORGAN, A. Irrigated lucerne in Victoria. Victoria. Dept. Agr. J. 50:337-344. (Cont.) Aug.1952. 23 V66J

3614 MORRIS, W. Tile drainage in the U.S.A. Farm Mech. 4:354-456. Sept.1952. 58.8 B772

3615 MUELLER, C. E. Sprinkler irrigation. Nebr. State Irrig. Assoc. Proc. 59:44-48. 1951. 55.9 N27P
Includes discussion.

3616 MYRE, M. Irrigated culture of forage plants in the Limpopo Valley. (In Portuguese.) Gaz. do Agr. 4:179-180. July 1952. 24 G25

3617 NASONOV, KH. The waters of the Don are irrigating the fields. (In Russian.) Kolkhoz. Proizvodstvo 12(6):27-28. June 1952. 281.8 K83

3618 NEBRASKA STATE IRRIGATION ASSOCIATION. Proceedings of the fifty-ninth annual convention, Ogallala, December 6 and 7, 1951. Minatare,1951. 118 p. 55.9 N27P

3619 NECHAEV, N. Experiments in sprinkling cotton in the State farm of "Pakhta-Aral." (In Russian.) Khlopkovodstvo 5:58-66. May 1952. 72.8 K522

3620 NELSON, N. P. Twenty-five years of irrigation in the North Platte Valley. Nebr. State Irrigation in the North Platte Valley. Nebr. State Irrig. Assoc. Proc. 59:73-78. 1951. 55.9 N27P

3621 NEVSKIĬ, S. P. On the effect of irrigation by flooding on soil moisture and yields of agricultural crops in Northern Caucasus. (In Russian.) Sovet. Agron. 10 (9):11-16. Sept.1952. 20 So84

3622 OPAT'SKIĬ, L. Construction of the Volga hydraulic engineering projects [hydroelectric stations and irrigation canals] and prospects for expanding the raw material and food resources of U.S.S.R. (In Russian.) Voprosy Ekon. 8:6-20. Aug.1952. 280.8 V89

3623 OSADCHIĬ, V. Mechanized work in changing to a new system of irrigation. (In Russian.) Khlopkovodstvo 5:51-57. May 1952. 72.8 K522

3624 OVERCASH, B. L. Interstate water problems. Nebr. State Irrig. Assoc. Proc. 59:55-58. 1951. 55.9 N27P

3625 OZNOBIN, N. M. The Lenin Volga—Don Navigation Canal. (In Russian.) Sovet. Agron. 10(8):3-7. Aug.1952. 20 So84
Its importance for irrigation and water supply.

3626 PANENKO, I. D. Irrigation during the fall-winter transition period and in early spring. (In Russian.) Sad i Ogorod 9:21-26. Sept.1952. 80 Sa13
Apples.

3627 PARIS, R. G. Comprehensive drainage in the River Murray irrigation areas. So. Austral. Dept. Agr. J. 55:571-579. June/July 1952. 23 So84

3628 PENMAN, H. L. Experiments on irrigation of sugar beet. J. Agr. Sci. 42:286-292. Ref. July 1952. 10 J822

3629 PEREKHREST, S. South Ukraine canal and irrigation of land in southern Ukraine. (In Russian.) Khlopkovodstvo 7:11-15. July 1952. 72.8 K522

3630 PERROT, H. Kolbenpumpe und kreiselpumpe in der beregnung. Landtechnik 7:64-65. Feb.15,1952. 58.8 L235

3631 PESMAN, M. W. How many drinks can your soil hold? Green Thumb [Denver] 9(10):10-11. Oct.1952. 80 G82

3632 PETERSON, E. T. Farming for INSOAK keeps water where it belongs. Country Gent. 122(10):30-31,86-87. Oct.1952. 6 C833
Water conservation and flood control.

3633 PILLAI, S. S. Construction of earthern dam by mechanical equipment (Chharwa Dam). In Damodar Valley Corporation. Symposium on soil conservation, p.31-32. Hazaribagh,1951. 56.7 D18

3634 RAMSAUER, B. Die maulwurfdränung. Bodenkultur 6:170-195. Ref. 1952. 19 B635
Equipment.

3635 REUSCHE, E. Alte leistungen — neue sorgen in Holland. Wasser u. Boden 4:190-191. June 1952. 56.8 W28

3636 RIDIGER, V. R., and DOLGOV, S. I. Utilization of deep mole drains in the improvement of saline soils. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):44-46. 1952. 20 Ak1

3637 RYAN, D. M. Beating the drainage bottleneck. Hoard's Dairyman 97:806. Oct.10,1952. 44.8 H65
Tile drainage.

3638 SAMSONOVA, N. P. Preparation of irrigated areas for watering. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:7-12. Apr.1952. 20 D742

3639 SANTOS CORREIA, M. F. DOS. Como localizar, captar e aproveitar as águas do subsolo [How to localize, collect and use the water of the subsoil]. Coimbra,Coimbra Editora,1951. 78 p. 292 Sa52

3640 SCHONNOPP, G. Bewässerungswirtschaft in den Vereinigten Staaten von Nordamerika. Wasser u. Boden 4:205-214. July 1952. 56.8 W28

3641 SEMENOV, A. N. Experiments in mechanizing [irrigation] capacity processes in raising tobacco. (In Russian.) Tabak 13(2):16-18. Mar./Apr.1952. 69.8 T112

3642 SHOCKLEY, D. G. Let's take a look at orchard irrigation. West. Fruit Grower 6(10):11-12. Oct.1952. 95.8 G762

3643 SHORT, A. W. Ohio water conservation and Ohio Future Farmers march forward. Ohio Conserv. B. 16(10):3,19. Oct.1952. 279.9 Oh330

3644 SILIN, P. I. Irrigation of collective farm fields with waste water of sugar factories. (In Russian.) Sakh. Promysh. 26(9):26-27. Sept.1952. 65.8 Sa2

3645 SIMONNEAU, P. Utilisation agricole des eaux dans les terrains salés d'Oranie orientale. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:423-437. May/June 1952. 14 F8499

3646 SINGH, M. Irrigation & power projects in India. Output 5:30-34. May/July 1952. 286.8 Ou8

3647 SITARAMAN, S. Certain aspects of investigation of headwater dams. In Damodar Valley Corporation, Symposium on soil conservation, p.29-30. Hazaribagh, 1951. 56.7 D18

3648 SITES, J. W., REITZ, H. J., and DESZYCK, E. J. Some results of irrigation research with Florida citrus. Fla. State Hort. Soc. Proc. 64:71-79. 1951,pub. 1952. 81 F66

3649 STAROV, P. Special features of agricultural technique for irrigated cotton in the Volga Don Canal Zone. (In Russian.) Khlopkovodstvo 5:19-24. May 1952. 72.8 K522

3650 TALATI, R. P. Nature of effluents under sewage irrigation and their utility for irrigation. Compost & Sewage B. 4:21-37. June 1951. 57.8 C732

3651 TINDALL, C. Irrigation paid this year. Mo. Rur. 93(17):4-5,38. Sept.13,1952. 6 R8891

3652 TREPACHEV, E. P. Effect of irrigation on the oil of sunflower varieties. (In Russian.) Selek. i Semen. 19(5):48-53. May 1952. 61.9 Se5

3653 TULIAKOVA, Z. Experiments in irrigated cotton cultivation under conditions prevalent in the Rostov Region. (In Russian.) Khlopkovodstvo 5:25-29. May 1952. 72.8 K522

3654 U. S. DEPT. OF AGRICULTURE. Lists of measures for reporting flood prevention activities. Washington,1952. 11 p. 1.90 A2L692

3655 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Background information regarding watershed programs of the USDA. Washington,1952. 6 p. 1.91 A2B12

3656 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Delaware River Watershed, New York, Pennsylvania, New Jersey, Delaware, and Maryland; letter from Secretary of Agriculture transmitting a survey report dated October 1950, made under the provisions of the Flood Control Act approved June 22, 1936, as amended and supplemented. 82d Cong., 2d sess. House. Document 405,28 p. 1952. 1 Ag86De

3657 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Progress in snowmelt investigations at the Fraser Experimental Forest, Colorado. Report 2. Denver,1951. 80 p. Ref. 1.9622 R2P942

3658 U. S. MISSISSIPPI RIVER COMMISSION. Flood control and navigation maps of the Mississippi River, Cairo, Illinois, to the Gulf of Mexico, Louisiana. Ed. 19. Vicksburg,1951. unpaged. 152.61 F65

3659 VEATCH, N. T. The Kansas flood of 1951. Amer. Water Works Assoc. J. 44:765-774. Sept.1952. 292.9 Am32J

3660 VICTORIA. STATE RIVERS AND WATER SUPPLY COMMISSION. Forty-sixth annual report, 1950-51. Melbourne,1952. 130 p. 292.9 V66
Includes irrigation and drainage.

3661 VIG, Đ. Contribution à l'étude de la perte d'eau dans les canaux afférents d'irrigation dans le domaine des differents sols de Voivodina. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredene Nauka i Teh. 5(7):54-71. 1952. 21.5 Y9
French summary.

3662 VLADIMIROV, A. G. Empirical formula for calculating the distances between drains in irrigated districts. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):44-48. Ref. 1952. 20 Ak1

3663 VOGT, E. Z. Water witching: an interpretation of a ritual pattern in a rural American community. Sci. Mon. 75:175-186. Ref. Sept.1952. 470 Sci23

3664 WANDER, I. W., and REITZ, H. J. The chemical composition of irrigation water used in Florida citrus groves. Fla. State Hort. Soc. Proc. 63:11-17. Ref. 1950, pub.1951. 81 F66

3665 WARREN, C. C. Sprinkler irrigation, do you want it? (Extr.) Elect. West 109:116-117. Oct.1952. 335.8 J82

3666 WITTE, K. Beregnungstechnik und deren erfolge in den USA. Wasser u. Boden 4:214-222. July 1952. 56.8 W28

3667 WOUDA, D. F. Over de afwatering van Friesland en haar geschiedenis [Drainage in Friesland and its history]. Sneek,Brandenburgh,1951. 575 p. 54 W91

3668 YOUNG, T. W. The economy of adequate drainage for citrus in Florida coastal areas. Fla. State Hort. Soc. Proc. 64:60-64. 1951,pub.1952. 81 F66

3669 ZIZA, A. A. Integrated utilization of peat bogs in agriculture. (In Russian.) Sovet. Agron. 10(9):33-38. Sept.1952. 20 So84
Reclamation chiefly.

3670 ZUUR, A. J. Over het in cultuur brengen der Zuiderzeegronden [Bringing the Zuyder Sea land under culture]. Wageningen,Veenman,1951. 24 p. Ref. 56.24 Z82

Erosion and Erosion Control

3671 ACOSTA SOLIS, M. Por la conservación de las tierras andinas; la erosión en el Ecuador y méthodos aconsejados para su control. Quito,1952. 187 p. (His Publicaciones Científicas) 56.7 Ac7P

3672 AUSTIN, W. W. Soil conserving cover crops. West. Fruit Grower 6(11):8-10. Nov.1952. 95.8 G762

3673 BEAUMONT, A. B. In the heart of Texas. Land 11:169-171. Summer 1952. 279.8 L22
Soil erosion.

3674 BANERJI, J. The role of soil conservation in multipurpose river valley projects. In Damodar Valley Corporation. Symposium on soil conservation, p.13-14. Hazaribagh,1951. 56.7 D18

3675 BECK, V. S. In New Mexico big dividends are found in conservation. Sowest. Crop & Stock 6(9):16,111-112. Sept.1952. 6 So8942
Conservation farming.

3676 BENNETT, H. H. Soil conservation promotes profitable grass farming. Windrow 2(1):4-7. Mar.1952. 60.18 W72

3677 BIRIUKOV, N. M. To improve the standard of work in afforestation of gullies. (In Russian.) Les i Step' 3(11):67-70. Nov.1951. 99.8 L565

3678 BISWAS, K. The role of plants in soil conservation. In Damodar Valley Corporation. Symposium on soil conservation, p. 21-22. Hazaribagh,1951. 56.7 D18

3679 BLAGOVESHCHENSKII, V. V. Dynamics of plants on the chalky exposures of the central Volga Region. (In Russian.) Bot. Zhur. 37:442-457. Ref. July/Aug.1952. 451 R923
Erosion control.

3680 BODDY, H. In one day a new farm is born. Soil Conserv. 18:51-54. Oct.1952. 1.6 So3S
Conservation farming demonstration on an Idaho farm.

3681 BOLE, N. C. Education for conservation. In Damodar Valley Corporation. Symposium on soil conservation, p.43-44. Hazaribagh,1951. 56.7 D18

3682 BOSE, S. C. Soil erosion cartography in the Damodar Valley. In Damodar Valley Corporation. Symposium on soil conservation, p.2-3. Hazaribagh, 1951. 56.7 D18

3683 BRINKMAN, G. Erosion—farmer's biggest enemy. Hoard's Dairyman 97:889. Nov.10,1952. 44.8 H65

3684 CONDRA, G. E. Origin and scope of the conservation program. Nebr. State Irrig. Assoc. Proc. 59:59-71. 1951. 55.9 N27P

3685 COURTADE, A. H. People are always talking about saving the soil. Soil & Water Mag. 1(9):6-7. Sept.1952. 54.8 So3

3686 COURTRIGHT, G. If plants go everything goes! Oreg. Farmer 74:717-718. Sept.18,1952. 6 Or32
Soil and plant conservation.

3687 DAMODAR VALLEY CORPORATION. Symposium on soil conservation, December 28,29 & 30, 1951; abstracts of papers. Hazaribagh,1951. 44 p. 56.7 D18

3688 L'ESTRANGE, J. A. Yellow ulcers in the maize triangle. Veldtrust 13(8):7-9. Aug.1952. 56.8 V54
Soil erosion.

3689 FALLON, J. P. The soil, our basic asset; water erosion control. 3. Designing contour bank systems. West. Austral. Dept. Agr. J. (ser.3)1:433-435,437-439, 441-442. July/Aug.1952. 23 W52J

3690 FENTON, E. E. School children become partners of District. Soil Conserv. 18:61-62. Oct.1952. 1.6 So3S
Barry Soil Conservation District in Michigan.

3691 FOSTER, A. B. Daughters of the Soil. Soil Conserv. 18:56-57,62. Oct.1952. 1.6 So3S
Ladies' Auxiliary of the Soil Conservation District Supervisors, Freeborn County Minn.

3692 GEE, C. W. The soil that went to town. U. S. Soil Conserv. Serv. IC-8,21 p. n.d. 1.9605 In32

3693 HALCROW, M. The line level and its use in soil conservation. North. Rhodesia. Dept. of Agr. B. 3,12 p. 1951. 24 R343B

3694 HARDY, H. J. It took a complete plan to stop soil losses. Soil Conserv. 18:70. Oct.1952. 1.6 So3S
Strip cropping in wind erosion control.

3695 HENIN, S., MICHEL, A., and RIVOIRE, A. Sur quelques cas d'erosion dans les vignobles du Maconnais et du Beaujolais. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:207-220. Mar./Apr. 1952. 14 F8499
English summary.

3696 HERBERT, F. W. Soil and water conservation on hillside orchards. West. Fruit Grower 6(10):20-22. Oct.1952. 95.8 G762

3697 HOLMBERG, J. S. Teamwork brings conservation prize to North Fork of Red River District. Farmer-Stockman 55(10):9,28. Oct.1952. 6 Ok45

3698 JAUREGUI, S. El izote y su acción protectora de los suelos. Lamatepec 16:3414. Lamatepec (ser.2)16: 3414. Aug.1952. 6 L16

3699 JEWELL, G. S. Left-handed conservation. Land 11:153-154. Summer 1952. 279.8 L22

3700 KEVERS, G. Planning soil conservation in tropical Africa. In Damodar Valley Corporation. Symposium on soil conservation, p.7-9. Hazaribagh, 1951. 56.7 D18

3701 KRISHNASWAMY, V. S. Role of forestry in soil conservation planning. In Damodar Valley Corporation. Symposium on soil conservation, p.16-17. Hazaribagh,1951. 56.7 D18

3702 LEE, R. E. Here's farming as it ought to be. Soil Conserv. 18:64-65,69. Oct.1952. 1.6 So3S
Conservation farming in Wisconsin.

3703 LEHR, C. Soil conservation and the banker. (Excerpts.) Com. West 104(19):17-19. Nov.8,1952. 286.8 C733
North Dakota.

3704 LEONT'EV, V. L. Plants suitable for strengthening the banks and dams of the main Turkmenian canal. (In Russian.) Bot. Zhur. 37:434-441. July/Aug.1952. 451 R923

3705 LIGHTFOOT, L. C. The soil, our basic asset. 2. Water erosion control. West. Austral. Dept. Agr. J. (ser.3)1:373,375-377,379. May/June 1952. 23 W52J
Chiefly contouring.

3706 LOWDERMILK, W. C. Conquest of the land through seven thousand years. Rur. Educ. B. 7:97-104. (Cont.) Aug.1952. 109 C162
Soil erosion.

3707 LUXEM, K. P. Bodenerosion, ein agrarpolitisches problem. Unser Wald 5(7/8):6-7. July /Aug. 1952. 99.8 Un7

3708 MANNOZZI-TORINI, L. Permanent pasture. (In Italian.) Monti e Boschi 3:354-361. Aug.1952. 16 M76
English summary.
Place in soil conservation.

3709 MARTINEZ BORQUE, A. Sequia y erosion. Agricultura [Madrid] 21:433-439. Aug.1952. 15 Ag84

3710 MIHARA, Y. Raindrop and soil erosion. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. A: Phys & Statis. 1:1-51. Ref. July 1951. 334.9 C43
English summary.

3711 MILLER, L. L. Field trips help teach geography. Soil Conserv. 18:66-67. Oct.1952. 1.6 So3S
Includes soil conservation practices and objectives.

3712 MIRCHANDANI, P. M. Soil conservation and the bank. In Damodar Valley Corporation. Symposium on soil conservation, p.44. Hazaribagh,1951. 56.7 D18

3713 MORRILL, A. G. An awards program that g-r-o-w-s and g-r-o-w-s. Soil Conserv. 18:58,60,62. Oct.1952. 1.6 So3S
The Goodyear Soil Conservation Awards.

3714 NECHAEV, M. V. ÍÚnye melioratory (Iz opyta vneklassnoĭ raboty moskovskikh shkol'nikov) [Young soil conservationists; from the extra school work of Moscow school boys and girls]. Moskva,1951. 22 p. 56.7 N28

3715 NIKITIN, P. D. Achievements of the [All-Union] Scientific-Research Institute of Soil Improvement by Planting Forests. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:76-82. Apr.1952. 20 D742

3716 OVESON, M. M. Progress report on the Columbia Basin soil erosion project. Oreg. Wheat Growers League. Proc. 24:85,87,89,91,93-95,97-99. 1951. 59.9 Ea73

3717 PLATEAU, H. La défense et la restauration des sols. Terre Marocaine 26:309-314. (Concl.) Aug. 1952. 24 T44

3718 PORTOCARRERO Y C., J. N. Erosiones y depósitos.—pendiente de compensacion o pendiente límite fluvial. Agronomia [Lima] 17(70):76-77. July 1952. 9.8 Ag83

3719 PURI, G. S. The role of conservation in multipurpose river valley development projects. In Damodar Valley Corporation. Symposium on soil conservation, p.19-20. Hazaribagh,1951. 56.7 D18

3720 QUEVEDO, C. V. Métodos sencillos permiten medir la erosión hidraulica del suelo. Mundo Agr. 4(39): 80-81. Aug.1952. 9 M92

3721 QUEVEDO, C. V. Presencia y lucha contra la erosion eolica agricultura de secano. Argentina. Dir. Gen. de Fomento Agr. B. de Prod. y Fomento Agr. 3(30): 3-8. Dec.1951. 9 Ar35

3722 RANDO, G. Soil erosion. (In Portuguese.) Soc. Rur. Bras. Rev. 32(378):22-28. July 1952. 9.2 B733

3723 RAYCHAUDHURI, S. P. A suggested procedure for soil conservation survey. In Damodar Valley Corpoation. Symposium on soil conservation, p.1-2. Hazaribagh,1951. 56.7 D18

3724 ROBINSON, R. R., and ALDERFER, R. B. Runoff from permanent pastures in Pennsylvania. Agron. J. 44:459-462. Sept.1952. 4 Am34P

3725 ROGERS, J. C. SCS farm plans an asset to country bankers. Banking 45(5):66,68. Nov.1952. 284.8 Am3

3726 SALTER, R. M. The engineers' job in developing America's agricultural capacity to produce. Washington,U. S. Soil Conserv. Serv.,1952. 9 p. 1.965 A2Sa3
Talk, American Society of Agricultural Engineers' soil and water program, Centennial of Engineering Convocation, Chicago, Sept. 9, 1952.
Soil and water conservation.

3727 SAUTTER, G. Note sur l'érosion en cirque des sables au nord de Brazzaville. Inst. d'Etudes Centrafricaines B. (n.s.)2:49-61. 1951. 330.9 B73

3728 SCHMIDT, W. F. Art und entwicklung der bodenerosion in Südrussland. Inst. f. Raumforsch. Mitt. 13,53 p. Ref. Aug.1952. 280.9 B643

3729 SENGUPTA, K. Erosion problems in the Damodar Valley Catchment. In Damodar Valley Corporation. Symposium on soil conservation, p.24-26. Hazaribagh,1951. 56.7 D18

3730 SILVA, G. Control de la erosión en las carreteras. Agro [Maracay] 7(21):71-77. June/Aug.1952. 9.95 Ag83

3731 STEINAUER, B. J. Community prosperity depends on good land use by you farmers. Nowest. Banker 57(784):17. Nov.1952. 284.8 N81
Soil conservation.

3732 STOUT, R. W. Grass as erosion control. Ky. Farmer 88(10):4,6. Oct.1952. 6 F2237

3733 SUAREZ DE CASTRO, F. Perdidas de suelo por erosión. Agr. Trop. 8(9):35-37. Sept.1952. 26 Ag8
Colombia.

3734 SUAREZ DE CASTRO, F. El uso de los terrenos agrícolas colombianos y su influencia sobre la erosión de los suelos. Rev. Nac. de Agr. 46(568):35-39. Aug.1952. 9.4 R32

3735 TAMAYO, F. El problema de las arenas nomadas en Venezuela; plantas apropiadas para fijarlas. Soc. de Cien. Nat. La Salle. Mem. 12(31):78-85. Jan./Apr. 1952. 516 C173

3736 TEXAS. BOARD OF WATER ENGINEERS. Progress report No. 12 of silt load of Texas streams (1949-1950). Austin,1951. 58 p. 290.9 T313
U. S. Department of Agriculture, Soil Conservation Service, cooperating.

3737 TEXAS STATE SOIL CONSERVATION BOARD. The first 10 years of soil conservation districts in Texas. Temple,1951.40 p. 56.9 T31

3738 U. S. GEOLOGICAL SURVEY. Sedimentation rates in small reservoirs in the Little Colorado River Basin. U. S. Geol. Survey. Water-Supply Paper 1110-D, 155 p., 1952. 407 G29W

3739 U. S. SOIL CONSERVATION SERV. Soil conservation districts; status of organization, by States, approximate acreage, and farms in organized districts. Washington,1952. 62 p. 1.96 R27Sc

3740 UPPER THAMES RIVER CONSERVATION AUTHORITY. Avon Valley plan, 1952. Toronto?1952? 51 p. 282.135 Up6
Soil conservation.

3741 UPPER WEST FORK SOIL CONSERVATION DISTRICT. Eleventh annual report of the district supervisors, January 1,1952. Jacksboro,Tex.,1952. 5 p. 56.9 Up6

3742 WEPF, W. Uncertainty. (In Dutch.) Tectona 42:122-124. Aug.1952. 99.8 B65
Soil erosion control in Java.

3743 WHYTE, R. O. The agronomy of soil conservation. In Damodar Valley Corporation. Symposium on soil conservation, p.15. Hazaribagh,1951. 56.7 D18

Sanitation

3744 ALLEN, M. W. Root-knot and root-lesion nematodes; soil fumigation reduces infestations but cannot be used in growing orchards or vineyards. Grower [Adelaide] 7(2):14,16. Aug.1952. 80 G912

3745 KIPLINGER, D. C. Soil treatment for pest control. Natl. Chrysanthemum Soc. B. 8(3,sup.):26-31. Sept.1952. 96.519 Ea7

3746 MAGIE, R. O. New use for an old chemical. No. Amer. Gladiolus Council B. 31:71,73,75. Sept.1952. 96.43 N81
Dowfume MC-2 for soil sanitation.

3747 MILLER, H. N. Soil sterilization. Fla. State Hort. Soc. Proc. 63:190-192. 1950,pub.1951. 81 F66

3748 NEETHLING, L. J. The application of soil fumigants. Good Husb. 2(12):27,39. Aug.1952. 24 G59

3749 SCHMITT, L., and JUNGERMANN, K. Kalkstickstoff als desinfiziens von anzuchterde unter besonderer berücksichtigung der tabakanzucht. Landwirt. Forsch. 2:85-95. 1951. 18 L2333

MATERIALS FOR SOIL IMPROVEMENT

3750 BRANNAN, C. F. A new charter for fertilizer use. Amer. Plant Food Council. J. 6(3):2-3,8. July/Sept. 1952. 57.8 P692

3751 NAUCHNAÍA KONFERENTSIÍA PO PROBLEME ISPOL'ZOVANIÍA MESTNYKH ISTOCHNIKOV UDOBRENIÍ USSR. Trudy [Proceedings of the Scientific Conference on the Problem of Utilizing Local Sources of Fertilizers in Ukrainian SSR]. Kiev,Akademiía Nauk Ukrainskoĭ SSR,1951. 171 p. 57.09 N22

3752 OWEN, O. Fresh light on bone manures. Tomato & Cucumber Mktg. Bd. J. 1(2):3,5-6. Apr.1952. 280.3919 T591

3753 SAUCHELLI, V. Summary of industry committee's work on tagged element fertilizer research. Agr. Chem. 7(10):46-47,111,113,115. Oct.1952. 381 Ag8

Primary Materials

3754 DUSHECHKIN, A. I. Prospects of utilizing phosphorites as fertilizers in the Ukraine. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniía Mestnykh Istochnikov Udobr. USSR. Trudy 1951:101-112. 57.09 N22
Experiments with field crops.

3755 JACOB, K. D., CARO, J. H., and MAGNESS, R. M. Report on phosphoric acid in fertilizers. Assoc. Off. Agr. Chem. J. 35:666-673. Aug.15,1952. 381 As7

3756 WAGGAMAN, W. H. Phosphoric acid, phosphates and phosphatic fertilizers. Ed. 2. New York, Reinhold,1952. 638 p. Ref. (American Chemical Society. Monograph Series 34) 309 W122

Secondary and Minor Element Materials

3757 BALKS, R. Zur magnesiumversorgung der kulturpflanzen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1613-1614. Oct.2,1952. 18 L2346

3758 BEESON, K. C. Effect of trace elements on yield of feedstuffs. (Sum.) Canad. Milling & Feed 33 (8):22. Aug.1952. 298.8 C162

3759 BENSON, N. R. Diagnosing the nutrient needs of fruit trees. West. Fruit Grower 6(10):23-24. (Cont.) Oct.1952. 95.8 G762
Nitrogen, zinc, manganese and boron.

3760 BENSON, N. R. Diagnosing the nutrient needs of fruit trees. West. Fruit Grower 6(11):17. (Concl.) Nov.1952. 95.8 G762
Minor elements.

3761 BUSHIN, P. M. Minor elements on the vineyards of Uzbekistan. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):19-22. Dec.1951. 95.8 V77

3762 EVANS, H. T. Borax on broccoli. Res. & Farming [N. C. Sta.] Prog. Rpt. 10:14. Summer 1951. 100 N81R
Boron deficiency.

3763 FINGER, H. Die wirkung von bor, mangan, kupfer und steigenden kalkgaben auf rohhumushaltigem heidesandboden. Landwirt. Forsch. 3:89-112. Ref. 1951. 18 L2333

3764 GARAYAR, H. N. Efectos de la falta de elementos menores en los citricos y la manera de restituirlos. Agronomia [Lima] 17(70):51-53. July 1952. 9.8 Ag83

3765 HALBROOK, N. J. Determination of copper and zinc in fertilizer with the polarograph. Assoc. Off. Agr. Chem. J. 35:791-795. Aug.15,1952. 381 As7

3766 HAUPTFLEISCH, K. Ertragssteigerungsversuche auf kupfermangelböden. Höfchen-Briefe 5:58-62. 1952. 464.8 H67

3767 HEWITT, E. J., and BOLLE-JONES, E. W. Molybdenum as a plant nutrient. I-II. J. Hort. Sci. 27: 245-265. Ref. Oct.1952. 80 J825

3768 HOFFMANN, W. Die heidemoorkrankheit und die wirkung des kupfers als spurenelement, im besonderen nach den erkenntnissen der Staatl. Moorversuchsstation Bremen. Landwirt. Forsch. 4:39-45. Ref. 1952. 18 L2333

3769 LEEPER, G. W. Factors affecting availability of inorganic nutrients in soils with special reference to micronutrient metals. Annu. Rev. Plant Physiol. 3:1-16. Ref. 1952. 450 An78

3770 RAMIREZ-MUNOZ, J. Nomografo y reglas de calculo para el analisis espectral cuantitativo de elementos traza. An. de Edafologia y Fisiol. Veg. 11:267-281. May/June 1952. 506 Sp12
English summary.

3771 SAYRE, J. D. Magnesium, important element in corn nutrition. Crops & Soils 5(2):16-17. Nov.1952. 6 W55

3772 SCHULTZE, W. Warum spurenelemente? Bad. Landwirt. Wchnbl. 119:597-599. Aug.30,1952. 18 B142

3773 SMITH, P. F., and REUTHER, W. The response of young Valencia orange trees to differential boron supply in sand culture. Fla. State Hort. Soc. Proc. 63:29-32. 1950,pub.1951. 81 F66

3774 TÍULENEV, N. A. Role of copper fertilizers in the utilization of drained peat soils for agriculture in Ukrainian SSR. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniía Mestnykh Istochnikov Udobr. USSR. Trudy 1951:159-161. 57.09 N22

3775 VLASÍUK, P. A. Use of manganese for increasing the productivity of agricultural plants. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniía Mestnykh Istochnikov Udobr. USSR. Trudy 1951:140-158. Ref. 57.09 N22

3776 WILLSON, A. E. Boron nutrition in citrus. Fla. State Hort. Soc. Proc. 64:53-57. Ref. 1951,pub.1952. 81 F66

Mixed Fertilizers and Fertilizer Technology

3777 BORDAS, J. Note sur les engrais à base de cyanamide et d'urée. Ann. des Falsif. et des Fraudes 45:267-271. July/Aug.1952. 389.8 An72

3778 DAVIS, H. A. Report on nitrogen in fertilizers. Assoc. Off. Agr. Chem. J. 35:673. Aug.15,1952. 381 As7

3779 FORD, O. W. Report on potash in fertilizers. Assoc. Off. Agr. Chem. J. 35:674-679. Aug.15,1952. 381 As7

3780 GABOTTO, L. Complex granular fertilizers. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:313-315. Aug.1952. 16 C72

3781 GEORGIA. DEPT. OF AGRICULTURE. Commercial fertilizers inspected and analyzed in the State of Georgia year 1951. Ga. Dept. Agr. B. 136,79 p. Jan. 1952. 2 G29B

3782 HAMENCE, J. H. Analysis of agricultural and horticultural materials. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:668-672. Ref. 1951. 382 M31R
Fertilizers, soils and insecticides and fungicides.

3783 HART, G. Report on sulfur in mixed fertilizers. Assoc. Off. Agr. Chem. J. 35:680-681. Aug.15, 1952. 381 As7

Fertilizer Statistics

3784 AHRER, K. ERP-düngekalkaktion. Bauer 5 (29):5. Aug.30,1952. 19 B32

3785 BRIDGER, G. L. Fertilizer production in New Zealand: a report of a study made under sponsorship of the New Zealand Government and the United States Government through the Smith-Mundt Act. Wellington,1951. 37 p. 57 B76

3786 CAPAROON, C. D., and STRUCK, V. C. Wisconsin economic changes affecting farm fertilizer use. Wis. Dept. Agr. Spec. B. 24,40 p. May 1952. 2 W752S

3787 CENTRAAL STIKSTOF VERKOOPKANTOOR, THE HAGUE. Agriculture in the Netherlands and its nitrogenous fertilizer industry. The Hague,1952? 44 p. 57.23 C33

3788 CLOANINGER, B. D. Fertilizer distribution in South Carolina. Com. Fert. 85(3):26. Sept.1952. 57.8 C73

3789 COWDEN, H. A. Farm co-operators in the fertilizer industry. Rev. Internatl. Coop. 45:197-199. Aug./Sept.1952. 280.28 In8B

3790 DUSHECHKIN, A. I. The fertilizer problem in Ukraine. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:9-20. 57.09 N22

3791 ENNIG. L'industrie mondiale des engrais; production et consommation. Indus. Chim. 39:288-289. Oct.1952. 383 In2
Statistical.

3792 HIRYO nenkan [Fertilizer annual], 1951. Tokyo,Norinsho Noseikyoku Hiryoka,1952. 251 p. 57.8 N77

3793 HOLDERMANN, K. Germany's first ammonia factory. Fert. Feed. Stuffs & Farm Supplies J. 38:674-675. Oct.15,1952. 57.8 F413

3794 HOPKINS, D. P. Fertilizers. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:650-657. 1951. 382 M31R
Manufacture and use.

3795 HOPKINS, D. P. The future of phosphates. World Crops 4:367-370. Nov.1952. 281.8 W892

3796 JACOB, K. D. Phosphate fertilizers for western agriculture. Farm Chem. 115(10):21,23-25, 27-29,70-71. Ref. Oct.1952. 57.8 Am3

3797 MCVICKAR, M. H. Commercial fertilizers and crop production. Danville,Ill.,Interstate,1952. 208 p. Ref. 57 M25

3798 MAZZANTI, A. Reggio Emilia and chemical nitrogen fertilizers. (In Italian.) Cam. di Com. Indus. e Agr. Reggio Emilia. Rass. Econ. 6(12):5. Dec.1951. 287 R26
Production statistics.

3799 SYNDICAT PROFESSIONNEL DE L'INDUSTRIE DES ENGRAIS AZOTÉS. Ce qu'il faut savoir pour vendre des engrais. Paris,1952? 55 p. 57 Sy72

3800 U. S. PRODUCTION AND MARKETING ADMIN. The fertilizer situation for 1952-53; preliminary. Washington,1952. 5 p. 1.9424 M2F41

Mineral Soil Amendments

3801 BELIÀKOV, M. A. Utilization of Martin and electrosmelting slags [as fertilizers] in the stabilization and utilization of sands. (In Russian.) Lesn. Khoz. 5:86-87. Jan.1952. 99.8 L5622

3802 BOYNTON, R. S. Agricultural liming; survey of liming materials use. Rock Prod. 55(10):90-92,134. Oct.1952. 299.8 R59

3803 CROWTHER, E. M., and WALKER, T. W. The relative values of alternative liming materials. Gt. Brit. Min. Agr. Agriculture 59:251-260. Sept.1952. 10 G79J

3804 LUGOVTSOV, M. V. Utilization of Tomasov slags as fertilizer. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:113-114. 57.09 N22

3805 MACINTIRE, W. H. Report on soils and liming materials. Assoc. Off. Agr. Chem. J. 35:586-588. Aug. 15,1952. 381 As7

3806 RODALE, J. I. Basalt - a new actor in the organic drama. Org. Farmer 4(3):9-11,34-36. Oct. 1952. 57.8 Or3

Manures and Composts

3807 AMSCHLER, L. Die moderne gülleref; gülle, das flüssige gold der landwirtschaft. München, Bayerischer Landwirtschaftsverlag,1952. 116 p. 57.3 Am8

3808 BELÍÀK, B. I. Utilization of the sediments of [sewage] waste water for vegetable cultures [tomatoes and cabbage]. (In Russian.) Sad i Ogorod 8:54-55. Aug.1952. 80 Sa13
Fertilizers.

3809 CARPENTER, C. F. Successful composting. Org. Gard. 20(10):14-15,45. Oct.1952. 56.8 Or3

3810 DUQUE, J. P. Cómo se cargan las fosas o se hacen los montones. Lamatepec (ser.2)16:3438-3439. (Cont.) Sept.1952. 6 L16
Compost.

3811 DUQUE, J. P. La fabricación del humus por el procedimiento Indore. Lamatepec (ser.2)16:3409-3412. (Cont.) Aug.1952. 6 L16

3812 DUSHECHKIN, A. I. Geographic distribution of methods for manure preparation and storage. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:21-30. 57.09 N22

3813 ETTINGER, R. The Netherlands profits from town wastes. Org. Farmer 4(4):28-30,51-53. Nov.1952. 57.8 Or3

3814 GRAFF, O. Warum stallmistkompostierung? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1285. Aug.21,1952. 18 L2346

3815 HINDSON, J. R. E. A labour saving method of compost making. North. Rhodesia. Dept. Agr. B.4, 15 p. 1952. 24 R343B

3816 HUBEL, J. Milwaukee considers composting garbage. Pub. Works 83(10):104,106. Oct.1952. 290.8 M992

3817 IWATA, T. On the preservation of horse-urine. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:189-197. July 1952. 49.9 C434
English summary.
For use as manure.

3818 KAILA, A., and POHJANPAA, A. M. Observations on the effect of "Fertosan"-and "QR"-preparations upon the humification of straw. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:85-92. 1952. 20 Su7M
For compost.

3819 KALWEIT, H. Die landwirtschaftliche abwasserverwertung in Sachsen. Berlin,Deutscher Bauernverlag,1951. 112 p. Ref. 292 K12

3820 KHAN, A. Manurial aspect of oilcakes. Oils & Oilseeds J. 5(3):6-9. Sept.1952. 307.8 Oi54

3821 KOLODIĬ, I. V., and VOLOVIK, A. Z. Utilization of garbage and sewage [as fertilizers] of cities and workers' settlements in Ukraine. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951:92-100. Ref. 57.09 N22

3822 KOLOSHA, I. L. Utilization of sugar industry waste for fertilizing crops in the grain-sugar beet crop rotations. (In Russian.) Nauch. Konf. po Prob. Ispol'zovaniîa Mestnykh Istochnikov Udobr. USSR. Trudy 1951: 162-170. 57.09 N22

3823 LIVINGSTON, L. Fertilizing with seaweed. Gard. Club Amer. B. 40(6):26-29. Nov.1952. 90.32 G16

3824 LYON, A. V. The compost heap; materials needed and practices to be followed in making valuable form of organic manure. Citrus News 27(i.e.28):107. (Cont.) Aug.1952. 80 C494

3825 MORGADO, M. L. The fertility of agricultural soil and compost. (In Portuguese.) Gaz. do Agr. 4:176-179. (Cont.) July 1952. 24 G25

3826 ORTIZ G., L. B. Transforme sus abonos orgánicos (compost Q. R.). Rev. Nac. de Agr. 46(569): 29-32. Sept.1952. 9.4 R32

3827 PIEHL, H. Die kompostaufbereitung mit gespann-, motor- und maschinenkraft. Bebauet die Erde 22:59-60. Aug.1952. 18 B38

3828 PIERINI, J. E. Camas para hongos. Chacra 22(263):42. Oct.1952. 9 C34

3829 REINAU, E. H. Gegenwärtige strömungen beim kompostieren, in der humusfrage und bodenbürtigen kohlensäure. Bebauet die Erde 22:59. Aug.1952. 18 B38

3830 SALAZAR, E. El ABC del composte; una maravilla para todos los agricultores. Asoc. Gen. de Agr. B. 324:2,5-6. (Cont.) Sept.13,1952. 8 As52

3831 STAZHAROV, I. I. Increased use of night soil. (In Russian.) Sad i Ogorod 8:21-26. Aug.1952. 80 Sa13
In apple orchards.

3832 VACIN, E. F. The development of a Cymbidium compost. Amer. Orchid Soc. B. 21:728-742. Oct. 1952. 80 Am329

3833 VAZQUEZ, E. A. Carne y leche de la caña de azucar. II. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:279-283. Aug.1952. 65.9 As5B
Sugarcane waste as fertilizer.

3834 VOIGTLÄNDER, G. Die güllewirtschaft, entwicklung, verbreitung, technik. Germany, Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 9,50 p. Ref. 1951. 18 G312S

3835 WALTER, R. Community compost: how Maplewood uses its leaves. Gard. Club Amer. B. 40(6): 80-83. Nov.1952. 90.32 G16

3836 WARRINGTON, S. L. Effects of using lagooned sewage effluent on farmland. Sewage & Indus. Wastes 24:1243-1247. Oct.1952. 293.8 Se8

FORESTRY

GENERAL

3837 ACKERS, C. P. Progress in forestry. Scot. Forestry 6:114-120. Oct.1952. 99.8 Sco3

3838 AHLGREN, C. E. A wilderness laboratory in northern Minnesota. J. Forestry 50:668-670. Sept.1952. 99.8 F768

3839 BLOMGREN, Y. Tuomarniemen metsänviljelytöistä ja niiden tuloksista. Über waldkulturarbeit und ihre erfolge im revier tuomarniemi. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(28),15 p. 1952. 99.9 F493
German summary.

3840 CARUSO, J. We are wasting our Araucaria resources without any thought for tomorrow. (In Portuguese.) Orientação Econ. e Financ. 9(106):25. July 1952. 280.8 Or42
Brazil.

3841 ČOLIĆ, D. B. The importance and the necessity of forest reservation. (In Serbo-Croatian.) Šumarski List 76:147-154. May/June 1952. 99.8 Su6

3842 DESJARDINS, A. La forêt reservoir de prospérité. Forêt et Conserv. 18(5):10-11,13-14. May/June 1952. 99.8 F792

3843 EMPIRE FORESTRY ASSOCIATION. Proceedings at the thirtieth annual meeting, held at the Assembly Hall, Royal Empire Society, Northumberland Avenue, London, W.C.2, on Tuesday, 10th June, 1952. Empire Forestry Rev. 31:207-217. Sept.1952. 99.8 Em72

3844 GARRETT, R. In less than a life span. Amer. Forests 58(10):23-25. Oct.1952. 99.8 F762
North Carolina.

3845 GAYLER, W. Deutsche forstleute in Dänemark. Holz-Zentbl. 78:1744. Oct.21,1952. 99.81 H742

3846 GIBBS, G. A. E. Study tour in western Germany, May, 1952. Q. J. Forestry 46:255-260. Oct. 1952. 99.8 Q2

3847 HARKE, W. Der stein der weisen. Forst u. Holz 7:215-219. Aug.16,1952. 99.8 F7724
Forestry in Germany.

3848 HEIMBURGER, C. The fourth International Poplar Congress in Great Britain and forest tree breeding in Denmark. Forestry Chron. 28(3):6-23. Sept.1952. 99.8 F7623

3849 KANO, G., and KOSEKI, T. Studies on forest labour in Hokkaido. II-III. (In Japanese.) Hokkaido U. Col. Agr. Col. Expt. Forests. Res. B. 15:167-237. 1952. 99.9 H68
English summary.
Includes farm labor.

3850 KASTORIN, A. A. Work management in growing forest plantings on the collective farms in Saratov Region. (In Russian.) Les i Step' 3(11):29-35. Nov.1951. 99.8 L565

3851 KONDO, T. Katsuyoju yozairin sagyo [Lumber industry of broad-leaf trees]. Tokyo, Asakura Shoten, 1951 1951. 158 p. (Zorin Gaku Zensho 9) 99.76 K833

3852 LIHTONEN, V. Metsiemme tulevan kehityksen äärivilvoja: tutkimusmenetelmän esittely. On the future development of Finnish forests: on research methods. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(22),42 p. Ref. 1952. 99.9 F493
English summary.

3853 MCGINNIES, W. G. Conservation during the present emergency; forestry. Washington? U. S. Forest Serv.,1951. 10 p. 1.9622 R2M17
Paper presented Nov. 14, 1951, at the Soil Conservation Society meeting in Memphis, Tenn.

3854 MALMÖHUS LÄNS SKOGS- OCH BETESVÅRDSFÖRENING. Report of the activities of the Forest and Pasture Association of Malmöhus Province during the year 1951. (In Swedish.) Malmöhus Läns Hushållsk. Kvrtlskr. 1:63-75. 1952. 11 M29

3855 MARENČIĆ, K. Forestry in Turkey. (In Serbo-Croatian.) Šumarski List 76:184-186. May/June 1952. 99.8 Su6

3856 MISSISSIPPI. FOREST SERV. Your timber & your challenge. Jackson,1952? 24 p. 99.75 M692Y

3857 NEUSSER, H. Das Österreichische Holzforschungsinstitut in Wien. Osterr. Gesell. f. Holzforsch. Mitt. 4:91-97. In Internatl. Holzmarkt 43(17). Aug.23, 1952. 99.81 In82

3858 POTOČIĆ, Z. The orientation of forestry in the world and in FPR Yugoslavia. (In Serbo-Croatian.) Šumarski List 76:139-147. May/June 1952. 99.8 Su6
English summary.

3859 RISI, J. La forêt au service de l'agriculture. 1-6. Forêt Conserv. 18(3):9; (4):7; (5):9; (6):9; (7):11; (8):7. Mar.-Oct.1952. 99.8 F792

3860 RUPF, H. Waldwirtschaft; ein leitfaden für den forstlichen unterricht an waldbauernschulen und landwirtschaftsschulen aller art. München, Bayerischer Landwirtschaftsverlag,1951. 344 p. 99 R872

3861 SAMUELSSON, E. Glimpses of the history of a commercial forest. (In Swedish.) Skogen [Stockholm] 39:190-192. Sept.1,1952. 99.8 Sk51

3862 SANDMO, J. K. Skogbrukshistorie [History of forestry]. Oslo, Aschehoug,1951. 218 p. 99.04 Sa5

3863 SCHLEYER, S. Das Institut für Waldschutz Eberswalde, seine aufgaben und bedeutung für wissenschaft und praxis. Wald 2:213-214. July 1952. 99.8 W143

3864 SENF, K. Der aufbau des sozialismus fordert eine höhere technik in der forstwirtschaft. Wald 2:277-279. Sept.1952. 99.8 W143

3865 SOCIETY OF ISRAELI FORESTERS. Annual report, 1951/52. (In Hebrew.) La-Yaaran 2:79-80. July 1952. 99.9 So19
English summary, p.83.

3866 SPEER, J. Die beziehungen der forstwirtschaft zum bund und zu den ländern. Allg. Forstz. 7:417-421. Oct.15,1952. 99.8 AL52

3867 SWEDEN. SKOGSSTYRELSEN. Det enskilda skogsbruket år 1950 [Private forestry year 1950]. Stockholm,1952. 126 p. 99.9 Sw3E
Table of contents also in English.

3868 U. S. S. R. MINISTERSTVO LESNOGO KHOZÍAĬSTVA. UPRAVLENIE RABOCHIKH KADROV, TRUDA I ZARPLATY. Normy vyrabotki na lesokul'turnye, agrolesomeliorativnye, protivopozharnye i lesozashchitnye raboty [Norms of production for silviculture, soil conservation, fire prevention and forest protection work]. Moskva, Goslesbumizdat,1951. 121 p. 99.45 Un32

3869 U. S. FOREST SERV. Highlights in the history of forest conservation. U. S. D. A. Agr. Inform. B. 83, 23 p. Aug.1952. 1 Ag84Ab

3870 VOLK. Die eindrücke einer Hollandfahrt. Allg. Forstz. 7:386-387. Sept.17,1952. 99.8 AL52

3871 WARTBURG, H. Die Salzburger "holztagung 1952." Osterr. Gesell. f. Holzforsch. Mitt. 4:97-100. In Internatl. Holzmarkt 43(17). Aug.23,1952. 99.81 In82

Education

3872 ALIMOV, P. Centennial of the Veliko-Anadol'skiĭ Technical School of Forestry. (In Russian.) Lesn. Khoz. 5:89-90. Jan.1952. 99.8 L5622

3873 ANDERSON, M. L. An outline of possible developments in higher forestry education. Empire Forestry Rev. 31:196-201. Sept.1952. 99.8 Em72

3874 ARO, P. Metsäteknologiset kysymykset Turun akatemian väitöskirjoissa. Forest technology problems in the theses of Turku Academy. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(10),9 p. 1952. 99.9 F493
English summary.

3875 COCHRAN, H. D. Education of the forester and specialization in the government enterprise. Ames Forester 39:26-31. 1952. 99.9 Io94

3876 COZZO, D. Escuela forestal de Yale. Chacra 22(263):26-27. Oct.1952. 9 C34

3877 DAHNE, J. Lehrer, lehrausbilder, heimleiter und betriebsleiter in der forstwirtschaft! Wald 2:259-260. Sept.1952. 99.8 W143
Russian Zone of Germany.

3878 FLATSCHER, H. Der niedergang der forstlichen fakultät an der hochschule für bodenkultur. Internatl. Holzmarkt 43(18):30-32. Sept.6,1952. 99.81 In82

3879 FLATSCHER, H. Der niedergang der forstlichen fakultät an der hochschule für bodenkultur in Wien. Allg. Forstztg. 63:202-204. Sept.1952. 99.8 AL53

3880 FRAUNBERGER, R. C. Forestry education for industrial career opportunities. Ames Forester 39:15-24. Ref. 1952. 99.9 Io94

3881 FRONIUS, K. Österreichische studienfahrt, der berufsfachschule der holzwirtschaft in Rosenheim. Holz-Zentbl. 78:1555. Sept.18,1952. 99.81 H742

3882 GERIN, M. Coupe d'oeil sur l'enseignement forestier secondaire dans Québec. I-III. Forêt et Conserv. 18(4):8; (5):21; (6):19-20. Apr.-July/Aug.1952. 99.8 F792

3883 HARTMAN, G. B. Forestry education at the Iowa State College. Ames Forester 39:33-43. 1952. 99.9 Io94

3884 HOFMANN, J. V. Classroom with roots. Amer. Forests 58(10):28-29,60-63. Oct.1952. 99.8 F762
Hofmann Forest of North Carolina's State College School of Forestry.

3885 KIENE, F. Die ausbildung für den höheren forstdienst. Deut. Forstmann, p.59-61,63-64. In Forst u. Holz 7(15-16). Aug.1-16,1952. 99.8 F7724

3886 KRUEGER, M. Education of the forester and specialization. Ames Forester 39:6-14. 1952. 99.9 Io94

3887 KUNANZ, H. Der forstwirtschaftliche unterricht an den landwirtschaftlichen berufsschulen in Hessen. Forstl. Mitt. 5:145-146. July 5,1952. 99.8 F7725

3888 MCCULLOCH, W. F. A forester is first a man. J. Forestry 50:682-685. Sept.1952. 99.8 F768
Personnel program of the School of Forestry, Oregon State College, with comments by the senior class.

3889 NESBITT, E. T. Laval University, Quebec, demand for forestry graduates far exceeds supply. Timber Canada 13:61-63. Sept.1952. 99.81 T487

3890 NEW BRUNSWICK. DEPT. OF EDUCATION. Teacher's manual: trees and forests in the nature study programme, grades one to eight. Fredericton,1951. 43 p. 99.06 N42

3891 U. S. FOREST SERV. Forest Service films available on loan for educational purposes to schools, civic groups, churches, television, 1952-53. Washington, 1952. 14 p. 1 F76Fsf

Policies, Programs, Administration

3892 ANDERSON, M. L. Early hardwood planting in Scotland and its present-day significance. Scot. Forestry 6:67-76. July 1952. 99.8 Sco3

3893 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Programme of work 1952-53. South Melbourne,1952. 51 p. 99.9 Au722

3894 AUSTRALIA. FORESTRY AND TIMBER BUR. Forestry organisation and forest areas under government administration in Australia. (Notes to accompany a map of Australia showing the forest administrative regions and the location of State forests and timber reserves). Austral. Forestry & Timber Bur. L. 62,5 p. 1951. 99.8 Au73

3895 BARRIÉTY, L. Role et avenir du reboisement au Pays Basque. Rev. Forest. Franç. 4:586-594. Sept. 1952. 99.8 R329

3896 BAZALA, E. Wirtschaftsplanpflicht? Allg. Forstztg. 63:209-210. Sept.1952. 99.8 AL53

3897 BEARD, J. S. Tree farming in South Africa. Empire Forestry Rev. 31:184-191. Sept.1952. 99.8 Em72

3898 BOVIN, A. I. For the further advancement of forestry. (In Russian.) Lesn. Khoz. 5:1-12. Jan.1952. 99.8 L5622

3899 BRAGA, D. D. Why we should reforest. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(4):16-18. Apr.1952. 9.2 M663

3900 BRODIE, D. J. Policy woodlands. Scot. Forestry 6:88-89. July 1952. 99.8 Sco3

3901 BRUCE, M. B. An access road program for national forests. Timberman 53(12):86-88,90,92,94. Oct.1952. 99.81 T484

3902 CARULLO, F. Autonomie regionali e problemi forestali. Istituzione dell'azienda delle foreste demaniali della regione siciliana [Regional autonomy and forestry problems. Institutions of the Ministry of the Forest Domain in Sicily]. Bologna,Anonima Arti Grafiche,1951. 44 p. 99.25 C25

3903 COCHET, G. Le role et l'extension de la subvention pour reboisement dans le Massif Central et notamment dans le Puy-de-Dôme. Rev. Forest. Franç. 4:595-602. Sept.1952. 99.8 R329

3904 CORTES, J. La repoblación forestal aumenta la riqueza agricola. Balearic Isl. Diputación Prov. B. de Agr. 93:10. June 1952. 15 B19
Spain.

3905 DEMOTTE, E. L. East Mississippi's blue line of prosperity. Miss. Val. Lumberman 84(10):6-7. Oct.24,1952. 99.81 M69
Tree farm program.

3906 DE SILVA, E. R. Mississippi's timber crop. Nav. Stores Rev. 62(25):18-19. Sept.20,1952. 99.81 N22
Summary of national forest operations.

3907 DESLAURIERS, T. La pépinière provinciale de Berthierville. Forêt et Conserv. 18(5):34; (6):17-18. (Concl.) May/June-July/Aug.1952. 99.8 F792

3908 DONON, F. Histoire du marais de Bresles. Rev. Forest. Franç. 10:654-661. Oct.1952. 99.8 R329
Includes afforestation program.

3909 DSCHULNIGG, H. 214 km neue waldwege. Salzburger Bauer 7(39):1-3. Sept.25,1952. 19 Sa3

3910 DU VIGNAUX, F. Le Fonds Forestier National. Rev. Forest. Franç. 4:525-528. Sept.1952. 99.8 R329

3911 GAGE, D. E. County forests. Sylva [Toronto] 8(4):31-33. July/Aug.1952. 99.8 Sy5

3912 GALSTON, A. Columbia County school forests. Wis. Conserv. B. 17(10):22-24. Oct.1952. 279.8 W752

3913 HUFNAGL, H. ERP-hilfe für aufforstung 1952. Bauer 5(6):9-10. Feb.9,1952. 19 B32
Austria.

3914 JAMES, N. D. G., and BROWN, J. M. B. The Chilterns Project. I-II. Q. J. Forestry 46:219-227. Oct. 1952. 99.8 Q2
I, by N. D. G. James; II, by J. M. B. Brown.

3915 JONES, N. This is a tree farm. Nation's Business 40(11):90-94. Nov.1952. 286.8 N212

3916 LEON, G. Saldo negativo en montes. Rev. de Agr. [Habana] 35:84-87. Nov.1951/June 1952. 8 Ag88Re
Cuba forestry policy.

3917 LORENZ-LIBURNAU, H. Warum bisher keine ausreichende forstliche ministerial-sektion zustande kam— und was ist nun zu machen? Allg. Forstztg. 63: 199-202. Sept.1952. 99.8 AL53

3918 LYNCH, C. Australian "Save the Forests" campaign aided by community effort. Empire Forestry Rev. 31:202-203. Sept.1952. 99.8 Em72
Natural Resources Conservation League of Victoria.

3919 MARTELL, C. C. Forestry notes from Victoria, Australia. Q. J. Forestry 46:228-234. Oct. 1952. 99.8 Q2
Work of the Forest Commission.

3920 MIGUEL, A. F. Development of forest administration in the Philippines. Filipino Forester 3:56-73. 1951. 99.8 F47

3921 NIKITIN, P. D. Active cooperation between the science of agriculture and forest improvement and production. (In Russian.) Les i Step' 3(12):7-16. Dec.1951. 99.8 L565

3922 NORTH-WEST FRONTIER PROVINCE. FOREST DEPT. Progress report on forest administration in the North-West Frontier Province for the year ending 31st March, 1949. Peshawar,1951. 32 p. 99.9 In24

3923 PARANT, E., and CHEVALIER, Y. La constitution d'une société civile de reboisement. Rev. Forest. Franç. 10:662-668. Oct.1952. 99.8 R329

3924 POMEROY, K. B. Resource, research, revenue in Florida. Fla. Grower 60(11):24,42. Nov.1952. 80 F6622

3925 PRAVDIN, L. F., and others. Organization of Expedition [on Problems of Shelterbelt Silviculture] and outline of results of its research. (In Russian.) Kompleksnaia Nauch. Eksped. po Voprosam Polezashch. Lesorazved. Trudy 1:7-26. 1951. 99.9 K832
N. I. Nikolaev, V. V. Popov, and I. A. Kharitonov, joint authors.

3926 PRAX, J. La formation d'une coopérative en vue du reboisement. Rev. Forest. Franç. 10:669-674. Oct.1952. 99.8 R329

3927 ROLSTED, M. Proposal for new administrative arrangements for the State forests. (In Norwegian.) Norsk Skogindus. 6:282-285. Sept.1952. 99.82 N81

3928 ROY, J. A. Nos pépinières forestières. Forêt et Conserv. 18(4):13-14. Apr.1952. 99.8 F792

3929 RUEDA BETANZOS, L. Oaxaca y su reforestacion. Mensajero Forest. 95:14-15. July 1952. 998 M522

3930 SAARI, E. FAO: n suositus metsäpolitiikan periaatteiksi. Principles of forest policy as recommended by FAO. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(20),12 p. 1952. 99.9 F493
English summary.

3931 SMITH, C. S. State of siege or partnership? Farmers Wk. [London] 37(15):63,66-67,69. Oct.10,1952. 10 F2226
Reforestation in Great Britain.

3932 SMITH, K. State park programs and the redwood industry. (Condensed.) J. Forestry 50:659-662. Sept.1952. 99.8 F768

3933 SOLDATOV, A. G. Forestry problems of Ukrainian SSR. (In Russian.) Lesn. Khoz. 5:13-18. Jan. 1952. 99.8 L5622

3934 TAYLOR, SIR W. L. Kielder Forest. Roy. Inst. Chartered Surveyors. J. 32:183-190. Sept.1952. 282.9 C38J
Reforestation in England.

3935 TOOMBS, A. They like wooden money. U. S. A. 2(4):91-96. Oct.1952. 134.8 Un3
Tree farming.

3936 TRENK, F. B. Community forest patterns and objectives. J. Forestry 50:739-742. Oct.1952. 99.8 F768

3937 UTTAR PRADESH. FOREST DEPT. Annual progress report of forest administration in the Uttar Pradesh for the year 1949-50. Allahabad,1951. 64 p. 99.9 In2N

3938 VAISSIÈRE, J. DE. Le Fonds Forestier National. Rev. Forest. Franç. 4:529-548. Sept.1952. 99.8 R329

3939 VELAY, L. Premier bilan. Rev. Forest. Franç. 10:613-635. Oct.1952. 99.8 R329
Of Fonds Forestier National.

3940 VESTERINEN, E. Muuan peruskirja. An important document. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(19),6 p. 1952. 99.9 F493
English summary.
Forest Extension Office of the Finnish Forest Union.

3941 WALDBAUER, H. Nutzungspflanzung und der bäuerliche waldbesitz. Bauern-Ztg. 5(35):12. (Cont.) Aug.29,1952. 18 B324

3942 WEST BENGAL. AGRICULTURE, FORESTS AND FISHERIES DEPT. Annual progress report on forest administration in the Presidency of Bengal for the year 1945-46. Alipore,1951. 103 p. 99.9 In2Be

Legislation and Taxation

3943 DIETERICH. Forstbehörde und landwirtschaftskammer. Holz-Zentbl. 78:1621-1622. Sept.30, 1952. 99.81 H742

3944 EID, H. A. The export tax and forestry. (In Norwegian.) Norsk Skogindus. 6:281. Sept.1952. 99.82 N81

3945 HEINRICHS, W. Der schrei nach der steuerreform. Holz-Zentbl. 78:1629-1630. Oct.2,1952. 99.81 H742

3946 MARIANI, G. Poplar culture in the riparian right region of the Po River, and legislation. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:57-67. 99.9 C76913

3947 SAIA, F. The poplar in agriculture and riparian right. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:137-150. 99.9 C76913

3948 SCHMID, F. Das forstwesen vor dem verfassungsgerichtshof. Österr. Vrtljahresschr. f. Forstw. 93: 65-69. 1952. 99.8 Oe8

3949 SIMEUNOVIĆ, D. S. Recherche et fixation du revenu foncier net eu égard aux forêts et terrains forestiers (d'après la Loi sur les contributions directes de 1928). (In Serbo-Croatian.) Beograd. U. Šumarski Fakul. Glasnik 3:59-128. Ref. 1951. 99.9 B415
French summary.

3950 WESTERN FORESTRY & CONSERVATION ASSOCIATION. Forest laws of Oregon, history of forest and fire laws, summary of Forest Conservation Act. Portland, Oreg.,1952. 36 p. 99.58 W52F

Forest Description and Resources

3951 ALI, Z. Riverain forests of Gujrat Forest Division, Pakistan J. Forestry 2:206-209. July 1952. 99.8 P17

3952 AUSTRALIA. FORESTRY AND TIMBER BUR. Notes to accompany a map showing the commercial forest regions of Australia. Austral. Forestry Bur. L. 61,29 p. 1951. 99.8 Au73

3953 COSTA, C. DA. Trees of the Azores, some notes on their history. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 8(16):1-40. (Cont.) Second Semes.1952. 15 Az6

3954 DICKERMAN, M. B., and HUTCHISON, S. B. Montana's timber base for industrial growth. Mont. Acad. Sci. Proc. 11:43-46. 1951,pub.1952. 500 M762

3955 FINE, H. Nebraska's man-made oasis. Amer. Forests 58(9):12-13,30. Sept.1952. 99.8 F762
Nebraska National Forest.

3956 GIDDINGS, E. L. Timber resources. Indus. & Engin. Chem. 44:2527-2529. Nov.1952. 381 J825
New England.

3957 GIORDANO, G. Observations on the yield of industrial product from wood. (In Italian.) Indus. della Carta 6:96-98. Aug./Sept.1952. 302.8 In22

3958 HIDE, R. H. A war-time sampling success. Empire Forestry Rev. 31:218-224. Sept.1952. 99.8 Em72

3959 HUFNAGL, H. Die waldstandsaufnahme hat begonnen. Bauer 4(35):2. Oct.20,1951. 19 B32
Austrian inventory of forest resources.

3960 INDIA. MINISTRY OF FOOD AND AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian forest statistics, 1947-48. Delhi,1952. 39 p. 99.9 In22S

3961 JEDLOVSKI, D. A contribution of the knowledge of area of beech in Dalmatia. (In Serbo-Croatian.) Šumarski List 76:160-164. May/June 1952. 99.8 Su6

3962 KALELA, A. Kainuun alueen metsätyypeistä. Uber die waldtypen des kainuu-gebietes zwischen Mittel- und Nordfinnland. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(26),17 p. Ref. 1952. 99.9 F493
German summary.

3963 LEROY, P. La forêt de Haguenau. II. Rev. du Bois 7(9/10):8-14. Sept./Oct.1952. 99.82 R32

3964 MIKOLA, P. Havumetsien viimeaikaisesta kehityksestä metsänrajaseudulla. On the recent development of coniferous forests in the timber-line region of northern Finland. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(2),35 p. Ref. 1952. 99.9 F493
English summary.

3965 NEBRASKA National Forest hailed as a great contributor to the natural resources of U. S. Nebr. Cattleman 9(2):82-88,90-92. Oct.1952. 43.8 N27

3966 NORWAY. STATISTISK SENTRALBYRÅ. Skogavvirking. Bois abattu pendant les années, 1946/47-1948/49. Oslo,1951. 51 p. 257.2 St2Sk
English summary.

3967 PAKISTAN. MINISTRY OF FOOD AND AGRICULTURE. AGRICULTURE DIV. A note on the timber resources of Pakistan, by S. M. Ishaq. Karachi,Manager P.,1951? 16 p. 99.26 Is32

3968 PERCIVAL, W. N. Recursos forestales del mundo. Montes 8(43):31-34. (Concl.) Jan./Feb.1952. 99.8 M763

3969 SALDARELLI, R. The forest domain of the Peloritani mountains. (In Italian.) Monti e Boschi 3: 365-370. Aug.1952. 16 M76
English summary.

3970 SWEDEN. SKOGSSTATISTIKUTREDNINGEN. Betänkande med förslag angaende utformningen av den skogliga statistiken avgivet av skogsstatistikutredningen [Report with proposition concerning the shape of forest statistics submitted by the Forest Statistics Committee]. Stockholm,1952. 86 p. 99.73 Sw32

3971 U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Forest statistics of eastern Kentucky. U. S. Forest Serv. Cent. States Forest Expt. Sta. Forest Survey Release 12,19 p. July 1952. 1.9622 C3F76

3972 U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Forest statistics of Kentucky. U. S. Forest Serv. Cent. States Forest Expt. Sta. Forest Survey Release 13,39 p. Sept.1952. 1.9622 C3F76

3973 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Deschutes National Forest. Washington,1952. map. 1 F769Des
Illustrations and text on back of map.

3974 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Anderson County, Tennessee. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 17,14 p. Apr.1952. 173.2 T25Fo

3975 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Bear Creek watershed in Alabama and Mississippi. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 18,14 p. Apr.1952. 173.2 T25Fo

3976 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Cumberland County, Tennessee. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 20,14 p. May 1952. 173.2 T25Fo

3977 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Greene County, Tennessee. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 19,14 p. May 1952. 173.2 T25Fo

3978 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Mitchell County, North Carolina. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 25,14 p. July 1952. 173.2 T25Fo

3979 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Morgan County, Tennessee. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 21,14 p. May 1952. 173.2 T25Fo

3980 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Polk County, Tennessee. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 16,14 p. Mar.1952. 173.2 T25Fo

3981 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Scott County, Virginia. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 22,14 p. June 1952. 173.2 T25Fo

3982 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Toccoa River watershed in Georgia. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 24,14 p. July 1952. 173.2 T25Fo

3983 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Forest inventory statistics for Wise County, Virginia. U. S. Tenn. Val. Authority. Div. Forestry Relat. Forestry B. 23,14 p. June 1952. 173.2 T25Fo

3984 U. S. TENNESSEE VALLEY AUTHORITY. DEPT. OF FORESTRY RELATIONS. Forest resources of the Chestuee Creek watershed. Norris? Tenn.,1951. 58 p. (U. S. Tennessee Valley Authority. Report 202-51) 173.2 T25Fore

3985 WRAY, R. D., and BANKS, W. G. Forest statistics for western Maryland. U. S. Forest Serv. Noeast. Forest Expt. Sta. Forest Statis. Ser. Md. 1,20 p. June 1952. 1.9622 N2F767

Individual Genera and Species

3986 APPELBE, F. "Operation spruce" a practical study. Brit. Columbia Lumberman 36(10):38-39,116,118, 120. Oct.1952. 99.81 B77

3987 BELLUCCI, V. Italian wood production and poplar culture. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:151-156. 99.9 C76913

3988 BRITISH GUIANA. FOREST DEPT. British Guiana timbers. Brit. Guiana. Forest Dept. L. 1-13. Apr.1951. 99.9 B777B

3989 BUGAŁA, W. Definition du genre de Populus en vertu de la couleur de ses feuilles. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:195-197. 1951. 99.9 P76

3990 CHANSLER, W. S. Bald cypress [Taxodium distichum]. Nat. Mag. 45:415-416. Oct.1952. 409.6 N214

3991 DILLER, J. D. Chinese chestnuts for wildlife and farm wood lots. Va. Wildlife 13(10):11-13. Oct.1952. 410 V81

3992 DUNCAN, J. The handyman's friend, cedar. Brit. Columbia Lumberman 36(10):77,81. Oct.1952. 99.81 B77

3993 FLINTA, C. M. El Eucaliptus en la forestación del pais. Chacra 22(262):32-33. Sept.1952. 9 C34
Argentina.

3994 GORDON, A. G. Spruce identification by twig characteristics. Forestry Chron. 28(3):45. Sept.1952. 99.8 F7623

3995 HAUKOM, A. S. Balsam fir (Abies balsamea). Wis. Conserv. B. 17(9):35-36. Sept.1952. 279.8 W752

3996 HAUKOM, A. S. White spruce (Picea glauca). Wis. Conserv. B. 17(10):36-37. Oct.1952. 279.8 W752

3997 HESMER, H. Die deutsche pappelwirtschaft, entwicklung, stand und aussichten. Allg. Forstz. 7:393-397. Sept.24,1952. 99.8 AL52

3998 HILDEBRAND, F. H. Daftar nama pohon-pohonan Bangka dan Belitung. Revised list of treespecies, collected in Banka and Belitong Islands. Indonesia. Bosbouwproefsta. Rap. 57,48 p. July 1952. 99.9 Ea72R
Preface and explanations also in English.

3999 JUTTNER, O. Leistung des tulpenbaumes (Liriodendron tulipifera L.) in einem holzarten-anbauversuch im forstamt Wolfenbüttel. Forst u. Holz 7:219-221 Aug.16,1952. 99.8 F7724

4000 KLAEHN, F. U. Die wichtigsten birkenarten der erde. Holz-Zentbl. 78:1726. Oct.18,1952. 99.81 H742

4001 KLOPOV, A. A., and MAL'TSEV, M. P. Colutea arborescens in the shelterbelts. (In Russian.) Lesn. Khoz. 5:35-36. Jan.1952. 99.8 L5622

4002 KOBENDZA, R. Betula humilis sur la tourbière Pulwy près de Wyszków. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:201. 1951. 99.9 P76

4003 KOBENDZA, R. Exemplaire rare de Castanea vesca à Repty en Silésie. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:198-199. 1951. 99.9 P76

4004 KOBENDZA, R. Les magnifiques exemplaires de Taxus baccata à Głębokie. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:181-182. 1951. 99.9 P76

4005 KONEV, G. I. Natural groups of Pinus cembra sibirica in the high-mountain forests. (In Russian.) Agrobiologiîa 3:140-142. May/June 1952. 20 Ag822

4006 KUSAKA, M. New or noteworthy trees and shrubs of Japan. 1. (In Japanese.) Rin-Go-Shiken-Hokoku 53:47-57. July 1952. 99.8 R47
English summary.

4007 LEMMON, R. S. The best loved trees of America; intimate close-ups of their year-round traits. Garden City,N.Y.,Amer. Gard. Guild,1952. 254 p. 99.3 L54

4008 LEONARDIS, R. F. J. Sauce-alamo. Chacra 22(262):28-29. Sept.1952. 9 C34
Salix alba culture.

4009 LITTLEFIELD, E. W. The pitch pine is dead—long live the white pine! N. Y. State Conserv. 7(2): 24-25. Oct./Nov.1952. 279.8 N48

4010 LYON, A. B. Eastern hemlock (Tsuga canadensis L.). Va. Forests 7(4):4-5. July/Aug.1952. 99.8 V81

4011 MADALSKI, J. Supplementary note on the discovery of Fagus orientalis Lipsky on the northern border of Podolia. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:115-122. Ref. 1951. 99.9 P76
English summary.

4012 MASSALSKI, E. Les singulières racines de Fagus silvatica dans les forêts de Ste Croix. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:193. 1951. 99.9 P76

4013 MAXWELL, E. G. Tree identification manual. Nebr. Agr. Col. Ext. E.C. 1703,rev.,22 p. Jan.1952. 275.29 N272Ex

4014 OSIPOV, I. G., and KAMENKOVICH, S. B. Eucalyptus in Turkmenia. (In Russian.) Les i Step' 3(11):82-83. Nov.1951. 99.8 L565

4015 PAVARI, A. Canary pine (Pinus canariensis D. C.). (In Italian.) Monti e Boschi 3:339-349. Aug. 1952. 16 M76
English summary.

4016 PEATTIE, D. C. Beach and lodgepole pine. Nat. Hist. 61:372-378. Oct.1952. 500 N483J
Pinus contorta, P. contorta latifolia.

4017 PENNSYLVANIA. BUR. OF FORESTS. DIV. OF FOREST RESEARCH. Common trees of Pennsylvania. Harrisburg?1952. 55 p. 99.3 P38

4018 PRIAULX, A. W. Oregon's planted cottonwoods. Amer. Forests 58(10):10-11,66-68,70. Oct.1952. 99.8 F762
Populus trichocarpa.

4019 RANKIN, A. B. The careers of the eucalypts. Nat. Mag. 45:465-467. Nov.1952. 409.6 N214

4020 RAY, R. G. Parana pine [Araucaria angustifolia] and Eucalyptus in Brazil. Forestry Chron. 28(3): 52-62. Sept.1952. 99.8 F7623

4021 SAGVALL, C. Träslag och virke [Wood species and lumber]. Stockholm,Tidens Forlag,1951. 102 p. (Tidens Yrkesböcker) 99.31 Sa1

4022 SANTOS BILONI, J. Forestal indigena de buen rendimiento es el "guatambu amarillo" (Aspidosperma australe). Mundo Agr. 4(39):108. Aug.1952. 9 M92
A description of the tree.

4023 SMITH, N. F. Bitternut hickory—Carya cordiformis, (Wang.) K. Koch. Mich. Conserv. 21(6):19-20. Nov./Dec.1952. 279.9 M582

4024 SMITH, N. F. Butternut—Juglans cinerea, L. Mich. Conserv. 21(5):23-24. Sept./Oct.1952. 279.9 M582

4025 SMITH, N. F. Tamarack [Larix laricina]. Timber Prod. B. 113:10-11. Aug.1952. 99.9 T482B

4026 SMITH, W. W. The fall of a famous tree. Yosemite Nat. Notes 31:118-119. Aug.1952. 409.6 Y8

4027 STECKI, K. Les particularités dendrologiques en Poméranie. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:183-192. 1951. 99.9 P76

4028 STECKI, K. Le pin — ses formes et races. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7: 202-203. 1951. 99.9 P76

4029 STECKI, K., and POŚPIESZNY, P. Sciadopitys verticillata et Sequoia gigantea dans le parc à Kŕanin près de Puck. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:178-180. 1951. 99.9 P76

4030 WALTERS, C. S. A forester looks at the timber value of nut trees. North. Nut Growers Assoc. Annu. Rpt. 42:62-68. 1951. 94.69 N81
Chiefly Juglans nigra.
Includes discussion.

4031 WETTSTEIN, W. Bericht über die 6. tagung des Internationalen Pappelkongresses in Rom vom 25.5.—31.5.1952. Osterr. Gesell. f. Holzforsch. Mitt. 4:100-102. In Internatl. Holzmarkt 43(17). Aug.23,1952. 99.81 In82

4032 WETTSTEIN, W. VON. Pappeln aus der Neuen Welt; bericht über eine von der OEEC organisierte technical-assistance-reise zum studium der pappelkulturen in den Vereinigten Staaten, 25. April bis 14. Juni 1950. Ed. 2. Wien,1951. 39 p. Ref. (Die Studienreise; Schriftenreihe des Österreichischen Produktivitäts-Zentrums) 99.47 W53P

FOREST MANAGEMENT AND FINANCE

4033 ABETZ, K. Forsteinrichtung und neufeststellung der einheitswerte des forstwirtschaftlichen vermögens. Allg. Forstz. 7:405-408. Oct.1,1952. 99.8 AL52

4034 AHMAD, A. Erosion strips. Pakistan J. Forestry 2:210-215. July 1952. 99.8 P17
Removing trees before erosion from floods.

4035 ANUCHIN, N. P. Promyshlennaîâ taksaîsîâ lesa [Industrial forest valuation]. Moskva,Goslesbumizdat,1951. 286 p. (Biblioteka Lesozagotovitelîa) 99.57 An8P

4036 BARBEY, J. Sur le rendement des forêts de Lausanne. Forêt 5:226-230. Sept.1952. 99.8 F7683

4037 BRUNS, P. E. A method of budgeting the cut on the all-aged forest for sustained yield. Mont. Acad. Sci. Proc. 9:5-12. 1949,pub.1951. 500 M762

4038 BUSSE, VON. Gedanken zur künftigen einheitsbewertung forstwirtschaftlicher betriebe. Allg. Forstz. 7:403-404. Sept.24,1952. 99.8 AL52

4039 EIĆ, N. Our forest management problems. (In Serbo-Croatian.) Šumarski List 76:167-170. May/June 1952. 99.8 Su6

4040 FEVRE, M. Les groupements de propriétaires forestiers. Rev. Forest. Franç. 10:675-689. Oct.1952. 99.8 R329

4041 FILBERG, R. J. Management of forest resources. Canad. Pulp & Paper Indus. 5(9):16,18,21. Sept. 1952. 302.3 W52
Includes salvage logging.

4042 FUGGER, C., GRAF. Die einheitsbewertung des kleinprivatwaldes. Allg. Forstz. 7:408-410. Oct.1, 1952. 99.8 AL52

4043 GADOW, VON. Buchenwirtschaft am scheideweg. Allg. Forstz. 7:384-386. Sept.17,1952. 99.8 AL52

4044 GILBERT, P. Forest management and logging engineering plan. (Abs.) Photogram. Engin. 18:658. Sept.1952. 325.28 P56

4045 GÖRG, F. Fichtenaltersklassenwald und betriebssicherheit. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1470,1475. Sept.11,1952. 18 L2346

4046 HEIKKILÄ, T. Metsän arvon laskemisesta. Über die waldbewertung. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(35),22 p. 1952. 99.9 F493
German summary.

4047 HENSLER, E. Einige fragen zur anwendbarkeit des lochkartenverfahrens im forstbetrieb. Allg. Forst- u. Jagdztg. 124:22-25. Oct.1,1952. 99.8 AL3

4048 HIKICHI, M. On the normal growing stock and the normal yield of a selection forest. (In Japanese.) Tottori Soc. Agr. Sci. Trans. 9:79-83. Dec.30,1951. 513 T64
English summary.

4049 LANDBECK, H. Uber die buchenplenterwälder in Nordthüringen. Wald 2:279-282. (Cont.) Sept.1952. 99.8 W143
Russian Zone of Germany.

4050 LEMMEL, H. Der mittelwert einer normalen betriebsklasse im schätzungsverfahren der reichsfinanzverwaltung. Forst u. Holz 7:204-206. Aug.1,1952. 99.8 F7724

4051 MCGINNIS, H. J. The forestry packset radiophone. Wis. Conserv. B. 17(8):16-19. Aug.1952. 279.8 W752

4052 MELZER, E. Vorschläge zur verbesserung des neuen rechnungswesens in den staatlichen forstwirtschaftsbetrieben. Wald 2:260-267. Sept.1952. 99.8 W143
Russian Zone of Germany.

4053 MESSINES, J. L'équipement routier de la forêt et le Fonds Forestier National. Rev. Forest. Franç. 10:636-653. Oct.1952. 99.8 R329

4054 MOSTOVOV, V. A. Systematizing planning and accounting at shelterbelt forest stations. (In Russian.) Les i Step' 3(12):42-45. Dec.1951. 99.8 L565

4055 MOTOVILOV, G. P. Lesoustroĭstvo [Forest management]. Moskva,Goslesbumizdat,1951. 378 p. 99.55 M85

4056 NELSON, A. Z. Timber investments. Banking 45(4):66. Oct.1952. 284.8 Am3
Advantages of timber as an investment.

4057 SCHMIEDEL, G., and LANDBECK, H. Mehr tempo — zuwachs steigern. Wald 2:284-288. Sept.1952. 99.8 W143

4058 SURIĆ, Š. Increase of forest production. (In Serbo-Croatian.) Šumarski List 76:207-220. July 1952. 99.8 Su6
English summary.

4059 URQUHART, B. Regional forests. Scot. Forestry 6:131-133. Oct.1952. 99.8 Sco3
Cooperative forestry in Scotland.

4060 USHAKOV, V. P. What lesson is taught by the analysis of the net cost of tractor services at shelterbelt stations? (In Russian.) Les i Step' 3(12):46-49. Dec. 1951. 99.8 L565

4061 WADSWORTH, F. H. Forest management in the Luquillo Mountains. II. Planning for multiple land use. Caribbean Forester 13:49-61. Apr.1952. 1.9622 T2C23
Text also in Spanish, p. 62-74.

4062 WESTPHALEN, GRAF VON. Betreuung und förderung des bauernwaldes aus dem blickwinkel des privatwaldbesitzers gesehen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1577-1578,1583. Sept.25,1952. 18 L2346

4063 WRIGHT, T. G. Sound forest practice everybody's business. Brit. Columbia Lumberman 36(9):36-37,87-88,90,92,94,96. Sept.1952. 99.81 B77

Farm Woodlands

4064 DELISLE, R. Comptabilité d'une terre à bois. Forêt et Conserv. 18(3):10. Mar.1952. 99.8 F792
Farm woodlands.

4065 DELISLE, R. Information forestière. Ferme 13(12):22,42. Aug.1952. 7 F38
Management problems.

4066 DMITRIEV, I. A., and BIRIUKOV, N. M. Certain shortcomings in forest belt planning. (In Russian.) Les i Step' 3(12):37-41. Dec.1951. 99.8 L565
Planting windbreaks on collective farms.

4067 FRITZSCHE, W. Durch schaden klug geworden im alschgrund entsteht eine heckenlandschaft. Übersicht 3(9):26-29. Sept.1952. 18 Ub3
Shelterbelts in Germany.

4068 HESS, C. J. Reforestation of farm land. Nowest. Banker 57(783):17,34,36. Oct.1952. 284.8 N81

4069 MELIKHOV, P., and GARIST, A. Forestry of collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(9):16-19. Sept.1952. 281.8 K83

4070 MELLINGER, R. H., and BAKER, H. L. They are your woods! A guide to the care and improvement of farm woodlands of West Virginia. Charleston,Conserv. Comn.,1951. 47 p. 99.551 M48

4071 MIGNERY, A. L. Improving East Texas farm forests is demonstrated at Nacogdoches. Tex. Forest News 31(4):8-9. July-Aug.1952. 99.8 T31

4072 PUKHTINSKII, IU. E. Shelterbelts of Kuĭbyshev Collective Farm [in Rossoshanskiĭ District, Voronezh Region]. (In Russian.) Agrobiologiîa 4:154-156. July/Aug.1952. 20 Ag822

Mensuration, Surveying, Photogrammetry

4073 BARANOV, N. I. On regular errors in estimating the reserve [of timber] by sight. (In Russian.) Lesn. Khoz. 5:55-56. Jan.1952. 99.8 L5622

4074 BISHOP, J. M. Aerial Surveys Section [of the Department of Lands and Forests]. Sylva [Toronto] 8(4): 25-29. July/Aug.1952. 99.8 Sy5

4075 BITTERLICH, W. Eie winkelzählprobe, ein optisches messverfahren zur raschen aufnahme besonders gearteter probeflächen für die bestimmung der kreisfläichen pro hektar an stehenden waldbeständen. Forstwiss. Centbl. 71:215-225. July/Aug.1952. 99.8 F775

4076 CALDER, L. E. Photogrammetry as an aid in forest management. (Abs.) Photogram. Engin. 18: 653. Sept.1952. 325.28 P56

4077 CHRISTIE, J. M. "Smallwood" from conifer thinnings. Q. J. Forestry 46:243-246. Oct.1952. 99.8 Q2

4078 EVANS, T., and MCCLAY, T. A. Rules of thumb for volume and value in pulpwood trees. Unit 44: 17-18. Oct.1952. 99.9 Un34

4079 FERGUSON, J. H. A. Diameter increment by diameter classes. Tectona 42:79-88. Aug.1952. 99.8 B65

4080 FUKUNAGA, K. On the breast-height form-factor-table of "Hinoki." (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:139-147. Mar.1952. 22.5 K993
English summary.
Chamaecyparis obtusa.

4081 GUERREIRO, M. G. Forecasting cork production in a cork-oak wood. (In Portuguese.) Portugal. Dir. Geral dos Serv. Florestais e Aquicolas. P. 18:57-83. 1951. 99.9 P834
English summary.

4082 HODGE, W. C. Air photo methods for timber surveys in the northern Rocky Mountains. Nowest. Sci. 26:111-117. Aug.1952. 470 N81

4083 HOLZ-ZENTRALBLATT. Umrechnungstabellen für nordische hölzer. Stuttgart,1952. 28 p. 99.4 H744

4084 JAEGER, H. Darstellung der ergebnisse der standortskartierung; ein kritischer beitrag zu dem gleichnamigen aufsatz von H. Reichelt, januar 1952 heft 1 dieser zeitschrift. Wald 2:206-209. July 1952. 99.8 W143

4085 KER, J. W. An evaluation of several methods of estimating site index of immature stands. Forestry Chron. 28(3):63-74. Sept.1952. 99.8 F7623

4086 LOSEE, S. T. B. The applications of photogrammetry to forestry in Canada. Photogram. Engin. 18:742-753. Sept.1952. 325.28 P56

4087 MALCOLM, R. M., and ALEXANDER, J. L. An analysis of the difference in gross merchantable cubic-foot volumes of the Upper Fraser uneven-aged spruce-balsam [Picea glauca - Abies lasiocarpa] type when computed by 2-, 4-, 6-, and 8-inch D.B.H. classes. Brit. Columbia. Forest Serv. Res. Notes 21,12 p. 1952. 99.9 B771

4088 MARTINOVSKY, S. Kubični sadržaj trupaca rudnog drva i tesane grade [Cubic content of mine timbers and lumber]. Zagrev,Tehnička Knjiga,1951. 35 p. 99.4 M36

4089 MURPHY, W. J. L. Scaling forest products. Thunder Bay Timber Oper. Assoc. Log Book 4(3):4. Sept./Oct.1952. 99.9 T42

4090 SOLOMON, W. H. Lumber calculator. Cumberland,Md.,1951? 64 p. 99.4 So4

4091 STERN, K. Möglichkeiten zur kennzeichnung von differenzen in der verteilung der höhen bei kiefernselektionsversuchen v. Wettsteins. Züchter 22:180-189. 1952. 442.8 Z8

4092 TURGEON, J. C. A mathematical study of population factors affecting new growths in forests. Pulp & Paper Mag. Canada 53(10):190,226. Sept.1952. 302.8 P96

4093 URBANOVSKI, A. Dendrometrija za srednje šumarske škole [Tree measurement]. Beograd,Znanje, 1951. 280 p. 99.4 Ur1

4094 UTKIN, A. New instrument in forest management [mensuration and surveying] under conditions of mountainous topography. (In Russian.) Lesn. Khoz. 5: 83-85. Jan.1952. 99.8 L5622

4095 VEIGA, A. DE A. Estimation of a forestry area. (In Portuguese.) Soc. Rur. Bras. Rev. 32(377): 68. June 1952. 9.2 B733

Silviculture

4096 AALTONEN, V. T. Earth radiation in the light of forest investigations. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(15),47 p. 1952. 99.9 F493

4097 ALLISON, J. H. Growth of unthinned jack pine [Pinus banksiana] stands at Cloquet. Minn. Forestry Notes 1,2 p. July 15,1952. 99.8 M662

4098 ANDERSON, A. Elementos de silvicultura. Rev. de Agr. [San José] 24:260,262-263,265-266,268. Sept.1952. 8 Es1

4099 BABOGREDAC, D. Melioration of the deteriorated stands in the district of the Bosut River. (In Serbo-Croatian.) Šumarski List 76:153-160. May/June 1952. 99.8 Su6
English summary.

4100 BADÎUNINA, A. F. P. A. Kostychev on silviculture in the steppe. (In Russian.) Les i Step' 3(11):84-86. Nov.1951. 99.8 L565

4101 BALOBIN, V. N., and SOKOLOV, V. S. Growth of tree and shrub species at varied stand densities. (In Russian.) Agrobiologiîa 3:91-96. May/June 1952. 20 Ag822

4102 BARELMANN, H. Extensive oder intensive forstkulturen? Landwirtbl. Weser-Ems 99:952-953. Sept.18,1952. 18 L2345

4103 BAUER, F. W. Die uberführung der badischen auewaldungen in hochwald. Freiburg i. Breisgau,Verlag der Landesforstverwaltung,1951. 119 p. 99.25 B322

4104 BOBACK, A. W. Landschaftsgestaltung, waldbau und regulierung der tierlebensgemeinschaft. Wald 2: 196-199. Ref. July 1952. 99.8 W143

4105 BUNUŠEVAČ, T. Gajenje šuma [Forest cultivation]. Beograd,Naučna Knjiga,1951. 450 p. Ref. 99.45 B88

4106 CONGRESSO NAZIONALE DI PIOPPICOLTURA, PAVIA, 1951. Atti [Proceedings]. Pavia,1951. 198 p. 99.9 C76913

4107 ELAGIN, I. N. Methods of studying crown projections in the multi-storied stands. (In Russian.) Akad. Nauk SSSR. Dok. 85:905-908. Aug.1,1952. 511 P444A

4108 FEDERICO, S. Possibilities of poplar culture in the mountains. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:85-89. 99.9 C76913

4109 FERRELL, W. K., and HUBERT, E. E. The use of radioisotopes in forest tree research. Idaho Forester 34:42-45. 1952. 99.9 Id1

4110 GIORDANO, G. Poplar wood technology and production. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:91-101. 99.9 C76913
Culture.

4111 GRIBANOV, L. N. A live windfall in the pine forests of Western Siberia. (In Russian.) Priroda 41(5): 109-110. May 1952. 410 P933

4112 HILLS, G. A. The classification and evaluation of site for forestry. Ontario. Dept. Lands & Forests. Res. Rpt. 24,41 p. Aug.1952. 99.9 On84

4113 ĬÜRKEVICH, I. D. Fruit-bearing of the oak forests of BSSR [White Russia]. (In Russian.) Les i Step' 3(11):7-12. Nov.1951. 99.8 L565

4114 JOVANOVIĆ, B. Sur une station de Pinus nigra Arn. dans la Serbie du sud-est. (In Serbo-Croatian.) Beograd. U. Šumarski Fakul. Glasnik 3:49-58. Ref. 1951. 99.9 B415
French summary.

4115 KALELA, E. K. Metsiemme kuusettumisesta erään esimerkin valossa. Die verfichtung der wälder Finnlands im lichte eines beispiels. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40:40(21),24 p. Ref. 1952. 99.9 F493
German summary.

4116 KRAHL-URBAN, J. Welche fichtenarten, -rassen und -sorten sind zur beimischung in buchenbeständen geeignet? Allg. Forstz. 7:411-414. Oct.1, 1952. 99.8 AL52

4117 KUTUZOV, P. K. On the reliability of the resin indicator in determining the vitality of pine. (In Russian.) Lesn. Khoz. 5:73-75. Jan.1952. 99.8 L5622

4118 LINDEINER-WILDAU, VON. Der nächste schritt in der standorterkundung. Forst u. Holz 7:203-204. Aug.1,1952. 99.8 F7724

4119 METREVELI, P. A. Cultivation of Populus deltoides in Colchis. (In Russian.) Lesn. Khoz. 5:37-38. Jan.1952. 99.8 L5622

4120 MIETTINEN, L. Piirteitä murrayn männyn kasvusta ja kehityksestä. On the growth and development of lodgepole pine stands (Pinus contorta latifolia S. Wats.). Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(9),14 p. 1952. 99.9 F493
English summary.

4121 MIRKOVIĆ, D. Essai sur l'accroissement du hêtre dans la réserve de l'Ostrozoube. (In Serbo-Croatian.) Srpska Adad. Nauk. Zbornik Radova 11(2):231-252. 1951. 510 B41
French summary.

4122 MONTANARI, V. Poplar culture in the reclamation area of the Po Valley. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:103-119. 99.9 C76913

4123 MULTAMAKI, S. E. Suo metsän kasvupaikkana. Swamps as a habitat for forests. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40:40(27),13 p. 1952. 99.9 F493
English summary.

4124 PASECHNIK, S. T. We shall revive the former glory of the Podolsk oak forests. (In Russian.) Les i Step' 3(11):45-50. Nov.1951. 99.8 L565
Achievements of silvicultural workers in Kamenets-Podolsk Region.

4125 PAVARI, A. Poplar culture in the Mediterranean area of Italy. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:77-84. 99.9 C76913

4126 PICCAROLO, G. Poplar culture in the Po Valley. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951: 121-136. 99.9 C76913

4127 PLAIR, T. B. A forest land capability classification. (Abs.) Soil Sci. Soc. Amer. Proc. 16:316. July 1952. 56.9 So3

4128 POLK, R. B., and BOE, K. N. Succession of trees in cut-over larch-Douglas fir stands in western Montana. Mont. Acad. Sci. Proc. 10:31-37. 1950,pub. 1951. 500 M762
Larix occidentalis, Pseudotsuga taxifolia var. glauca.

4129 RAT'KOVSKĬĬ, S. P. Assortment of species in soil conservation by silvicultural work in the mountains of Uzbek SSR. (In Russian.) Lesn. Khoz. 5:19-22. Jan. 1952. 99.8 L5622

4130 RAZOUS, P. La production en sylviculture en exploitation forestière et dans les industries du bois. Bois et Scieries 58:975,977. (Cont.) Sept.25,1952. 99.81 B632
Forest soils.

4131 RESEARCH by the crews of the [Shelterbelt Silviculture] Expedition on the routes of the State shelterbelts. (In Russian.) Kompleksnaía Nauch. Eksped. po Voprosam Polezashch. Lesorazved. Trudy 1:27-487. 1951. 99.9 K832
Articles by V. S. Shumakov, K. B. Lositskii, M. N. Grishchenko, and others.

4132 REVA, K., and TIUPENKO, IA. Shelterbelt silviculture in the South-East [of U.S.S.R.]. (In Russian.) Kolkhoz. Proizvodstvo 12(6):29-31. June 1952. 281.8 K83

4133 ROE, A. L. Growth of selectively cut ponderosa pine [Pinus ponderosa] stands in the Upper Columbia Basin. U. S. D. A. Agr. Handb. 39,29 p. Ref. Aug. 1952. 1 Ag84Ah

4134 SCHWARZ, H. Beitrag zur kenntnis der versauerung des waldbodens. Österr. Vrtljahresschr. f. Forstw. 93:69-72. 1952. 99.8 Oe8

4135 SEEHOLZER, M. Zur grundlagenforschung im waldbau. Aschaffenburg. Natwiss. Mus. Nachr. 35:15-38. Ref. May 1952. 409.6 As2
Ecology.

4136 SHIGEMOTO, M. Comparison of the growth of "Kaigansho" (Pinus pinaster AIT.) and "Akamatsu" (Pinus densiflora S. et Z.), in Kyoto Prefecture. (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:132-138. Mar.1952. 22.5 K993
English summary.

4137 STOATE, T. N. Nutrition of the pine. Austral. Forestry & Timber Bur. B. 30,61 p. 1951. 99.9 Au723

4138 VIRO, P. J. Kivisyyden määrittämisestä. On the determination of stoniness. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(3),23 p. 1952. 99.9 F493
English summary.

4139 WENDELBERGER-ZELINKA, E. Die auwaldtypen von Oberösterreich. Österr. Vrtljahresschr. f. Forstw. 93:72-86. 1952. 99.8 Oe8
Ecology and soil conditions.

4140 ZONN, S. V. Important investigations in silviculture. (In Russian.) Priroda 41(6):75-77. June 1952 410 P933

4141 ZVIEDRIS, A. Need of supplementing the system of forest plantation classification by site quality. (In Russian.) Latv. PSR Zinātņu Akad. Vest. 5:739-746. 1951. 511 R442

Silvicultural Practices

4142 AMMON, W. Bemerkenswerte waldbauliche vorgänge in Süddeutschland. Wald u. Holz 34:5-10. Sept. 1952. 99.8 W14
Selection cutting.

4143 AMMON, W. Das plenterprinzip in der waldwirtschaft: folgerungen aus 40 jahren schweizerischer praxis. Ed. 3, rev. Stuttgart,1952. 158 p. 99.556 Am6

4144 BARBER, J. C. Basal spray or stump spray? J. Forestry 50:690-691. Sept.1952. 99.8 F768

4145 BRUCE, D. S. Basal area as a control for partial cutting. Forestry Chron. 28(3):49-51. Sept.1952. 99.8 F7623

4146 BUCKMAN, R. E., and SCHNEIDER, A. E. Regeneration following cutting in black spruce [Picea mariana] swamps. Minn. Forestry Notes 3,2 p. July 15,1952. 99.8 M662

4147 COSTA, A. E. Some considerations on the necessity for improvement of Micaelenses forest. Pruning or thinning for improvement. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 8(16):80-84. Second Semes.1952. 15 Az6

4148 CUMMINGS, W. H., and THURMOND, A. K. Thin your pine plantation for fence posts. Forest Farmer 11(12):4-5,8. Sept.1952. 99.8 F7692

4149 DERIABIN, D. I. Effect of improvement cuttings on oak regeneration in the young forest on clear-cuttings. (In Russian.) Lesn. Khoz. 5:51-54. Jan.1952. 99.8 L5622

4150 FRÖHLICH, J. Durchforstung und fichtenstarkholzzucht. Internatl. Holzmarkt 43(18):17-20. Sept.6,1952. 99.81 In82

4151 GEPRUFTE kultur- und durchforstungsscheren. Tech. f. Bauern u. Gärt. Ausg. A 4:399-400. Sept.10, 1952. 58.8 T223

4152 GRANE, C. X. Effectiveness of ammate in controlling hardwoods. South. Lumberman 185(2316):44, 46,48,50. Oct.1,1952. 99.81 So82

4153 IBBERSON, J. E. Cultural measures for timber stands. Pa. Forests & Waters 4:78-84. July/Aug. 1952. 99.8 P38
Chiefly thinning, weeding, pruning and selection cutting.

4154 ILVESSALO, Y. Metsikön kasvun ja poistuman välisestä suhteesta. On the relation between growth and removal in forest stands. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(1),29 p. 1952. 99.9 F493
English summary.

4155 MAGIN, R. Zuwachsleistungen der soziologischen baumklassen in langfristig beobachteten versuchsflächen. Forstwiss. Centbl. 71:225-243. July/Aug.1952. 99.8 F775
Thinning experiments.

4156 MALMSTROM, C. Svenska gödslingsförsök för belysande av de näringsekologiska villkoren för skogsväxt pa torvmark [Swedish fertilizing experiments illustrating nutrition ecology of forest growth on peat land]. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(17),26 p. 1952. 99.9 F493

4157 MAYER-WEGELIN, H. Das aufästen der waldbäume; grundsätze und Regeln. Ed. 3, rev. Hannover,Schapper,1952. 92 p. 99.49 M452A

4158 MINUTILLO, C. Die fichten Z-stamm-durchforstung als produktionsmittel und weg zum naturnahen wirtschaftswald. Allg. Forstztg. 63:206-207. Sept.1952. 99.8 AL53

4159 MORRISON, G. R. Tree marking with a paint gun vs a stamping axe. Forestry Chron. 28(3):46-48. Sept.1952. 99.8 F7623

4160 NYYSSÖNEN, A. Puiden kasvusta ja sen määrittämisestä harsintamänniköissa. On tree growth and its ascertainment in selectively cut Scots pine stands. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(4),20 p. Ref. 1952. 99.9 F493
English summary.

4161 REVA, K., and TĬUPENKO, ÍA. Mechanization of shelterbelt cultivation. (In Russian.) Mashinno-Traktornaíâ Sta. 12(7):14-16. July 1952. 58.8 M11

4162 SARASTO, J. Metsäojituksen aiheuttamista aluskasvillisuuden muutoksista eräissä suotyypeissä. Uber veränderungen in der untervegetation einiger moortypen als folge der waldentwässerung. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40:40(13), 32 p. Ref. 1952. 99.9 F493
German summary.

4163 SEMIKHNENKO, P. G. Methods which promote the rapid growth of oak in the group plantings. (In Russian.) Agrobiologiíâ 3:81-90. May/June 1952. 20 Ag822

4164 SHAW, E. W. Tailor-made trees. Amer. Forests 58(10):16-17,20. Oct.1952. 99.8 F762
Pruning.

4165 SHCHERBININ, N. M. Influence of deep plowing on acclimatization and growth of tree species. (In Russian.) Les i Step' 3(12):82-83. Dec.1951. 99.8 L565

4166 SIRÉN, G. Hakkuun vaikutuksesta kuusipuun rakenteeseen korpimailla. On the effect of releasing cutting upon wood structure of spruce on peat-moors. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(32),36 p. Ref. 1952. 99.9 F493
English summary.

4167 SZYMKIEWICZ, B. Studia nad optymalną strukturą drzewostanu jodłowego w gospodarstwie przerębowym. Etude sur la constitution optimum du peuplement de la sapiniére traitée suivant la méthode de la coupe jardinatoire. Inst. Badawczy Leśn. Prace 73, 127 p. Ref. 1951. 99.9 W26
French summary.

4168 TOTSENKO, V. P. For effective propaganda of leading practices [in silviculture]. (In Russian.) Les i Step' 3(11):51-54. Nov.1951. 99.8 L565

4169 TROMP, P. H. M. Zur maschinellen bearbeitung des waldbodens. II. Tech. f. Bauern u. Gärt. Ausg. A 4:422-423. Sept.25,1952. 58.8 T223

4170 VALENZUELA R., H. La poda de los arboles forestales. Rev. Forest. Chilena 2:324-325. Apr.1952. 99.8 R3292

4171 WACHTEL, H. Die erfolge der bodenverwundung im jahre 1951 im östlichen Wienerwalde. Allg. Forstztg. 63:211-212. Sept.1952. 99.8 AL53

4172 WAHLENBERG, W. G. Thinning yellow-poplar [Liriodendron tulipifera] in second-growth upland hardwood stands. J. Forestry 50:671-676. Ref. Sept.1952. 99.8 F768

4173 WEAVER, H. A preliminary report on prescribed burning in virgin ponderosa pine. J. Forestry 50:662-667. Sept.1952. 99.8 F768

4174 WILSON, G. M. Thinning jack pine [Pinus banksiana] Nisbet Forest Reserve, Saskatchewan; project M.S. 19. Canada. Forest Res. Div. Silvicult. Res. Note 99,24 p. 1952. 99.9 C16Re

4175 ZASADA, Z. A. Does it pay to thin young aspen? J. Forestry 50:747-748. Oct.1952. 99.8 F768

Seeding and Planting

4176 ADRIANOV, S. N. Preparation of soil for afforestation upon virgin soil and upon perennial grasses. (In Russian.) Les i Step' 3(12):62-64. Dec.1951. 99.8 L565
Windbreaks.

4177 ADRIANOV, S. Rooting of cutting of tree species before planting. (In Russian.) Lesn. Khoz. 5: 33-35. Jan.1952. 99.8 L5622

4178 BAIŁOBOK, S., and BUGAŁA, W. Review of studies concerning the growing of poplars and the results of the present observations at Kórnik about some poplar hybrids. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:130-158. Ref. 1951. 99.9 P76
English summary.

4179 BEHRNDT, G. Plusbaumauswahl als grundlage der forstl. pflanzenzüchtung. Allg. Forstz. 7:424-425. Oct.15,1952. 99.8 AL52

4180 BON, M., and JAY, S. Notes on a visit to the Landes Forest. Land Agents' Soc. J. 51:378-382. Sept. 1952. 282.9 L22
Reforestation in France.

4181 BORNAND, G. H. Les peupleraies de Chautagne. Forêt 5:202-205. Aug.1952. 99.8 F7683

4182 BRENDER, E. V., and NELSON, T. C. Reestablishing pine on Piedmont cut-over land. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 18,8 p. Aug. 1952. 1.9622 S4St2

4183 BROOKS, J. D. Establishing pine plantations for pulpwood production in Australia. Pulp & Paper Mag. Canada 53(11):168 170,173. Oct.1952. 302.8 P96

4184 BURGERS, T. F. Algunas consideraciones sobre el uso de especies forestales australianas en España. Montes 8(43):26-30. Jan./Feb.1952. 99.8 M763

4185 CAVALLO, G. Existen algunas normas que deben aplicarse en las plantaciones definitivas de alamos. Mundo Agr. 4(39):92-94. Aug.1952. 9 M92

4186 CHAI, T. S., and HANSEN, H. L. Characteristics of [illegible]k spruce [Picea mariana] seed from cones of differen[illegible]s. Minn. Forestry Notes 2,2 p. July 15, 1952. 99.[illegible] 1662

4187 C[illegible]ISTIAKOV, A. Effectiveness of planting sprouting ac[illegible]rns in the control of mice-like rodents. (In Russian.) Lesn. Khoz. 5:76-77. Jan.1952. 99.8 L5622

4188 CRESCINI, F. On improvement of poplar by breeding. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:69-76. 99.9 C76913

4189 DANNECKER, K. Fichte unter fichten. Allg. Forstz. 7:398-399. Sept.24,1952. 99.8 AL52

4190 DUCHAUFOUR, P. La reconstitution des forêts sinistrées dans l'Est de la France. Rev. Forest. Franç. 4:563-570. Sept.1952. 99.8 R329

4191 DUNAEV, K. A. Practices in growing shelterbelts on the collective farms in Kurganinskiĭ District [Krasnodar Territory]. (In Russian.) Les i Step' 3(11): 58-63. Nov.1951. 99.8 L565

4192 D JRAKOV, V. P. Shelterbelt plantings on the collective farms in Voronezh Region. (In Russian.) Agrobiologiíâ 3:75-80. May/June 1952. 20 Ag822

4193 EIFERT, V. S. The twenty dollar pine. Nat. Mag. 45:426-428. Oct.1952. 409.6 N214
Forest regeneration in Wisconsin.

4194 ESIPOV, I. K. Two-year experiments in planting pine in sand. (In Russian.) Les i Step' 3(12):77-79. Dec.1951. 99.8 L565

4195 GAVRILOV, B. I. On afforestation principles for the sands of the Lower Dnieper. (In Russian.) Les i Step' 3(11):13-18. Nov.1951. 99.8 L565

4196 GLOBA-MIKHAĬLENKO, D. A. Growing Eucalyptus in the open ground. (In Russian.) Les i S 3(11):19-25. Nov.1951. 99.8 L565

4197 GOLUBINSKIĬ, S. S. Weight as a medium in estimating [the number of] seedlings in tree nurseries. (In Russian.) Les i Step' 3(12):80-81. Dec.1951. 99.8 L565

4198 GÓMEZ V., U. Algunos comentarios sobre los trabajos realizados en la Estación Experimental de Bejarano. Agr. Venezol. 17(154):36-37. Jan./July 1952. 9.95 Ag8
Research in forest tree planting.

4199 GRANT, W. The Dunemann system of nursery practice. Q. J. Forestry 46:247-250. Oct.1952. 99.8 Q2

4200 GREELEY, W. B. Blood will tell. Amer. Forests 58(9):18-19,28. Sept.1952. 99.8 F762
Tree breeding.

4201 GRIÂZNOV, A. Growing shelterbelts on a collective farm [Pervoe Maîa Kolkhoz in Groznyĭ District, Groznyĭ Region]. (In Russian.) Kolkhoz. Proizvodstvo 12(9):29-30. Sept.1952. 281.8 K83

4202 HIGHSMITH, R. M., JR., and BEH, J. L. Tillamook burn: the regeneration of a forest. Sci. Mon. 75:139-148. Sept.1952. 470 Sci23

4203 HUME, J. E. Shelter in citrus orchards. New Zeal. J. Agr. 85:135,137,139,141. Aug.15,1952. 23 N48J
Planting and maintaining protective shelter belts.

4204 HUTNIK, R. J. Reproduction on windfalls in a northern hardwood stand. J. Forestry 50:693-694. Sept. 1952. 99.8 F768

4205 INSTRUKTSII po vyrashchivaniîû zashchitnykh lesnykh nasazhdeniĭ v stepnykh i lesostepnykh raĭonakh evropeĭskoĭ chasti SSSR [Instructions on growing shelterbelts in the steppe and forest-steppe districts of European U.S.S.R.]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 61 p. (U.S.S.R. Glavnoe Upravlenie Polezashchitnogo Lesorazvedeniîa. Prikaz. 38) 99.9 Un392

4206 ISACHENKO, KH. M. Standardization of seedlings of tree and shrub species. (In Russian.) Lesn. Khoz. 5:26-32. Jan.1952. 99.8 L5622

4207 ĬUNASH, G. G. Experiment in regeneration of oak in the broad-leaved forests of small value. (In Russian.) Lesn. Khoz. 5:42-45. Jan.1952. 99.8 L5622

4208 JOLLY, A. L., JR. Seed tree comments. Va. Forests 7(4):8-9. July/Aug.1952. 99.8 V81

4209 JORANSON, P. N. "Extra-heredity" aspen breeding initiated in Wisconsin. Paper Mill News 75(38): 112,114,116. Sept.20,1952, 302.8 P195

4210 KARSCHON, R. Raising trees and shrubs native to Wadi Araba in nurseries. (In Hebrew.) La-Yaaran 2:68-71. July 1952. 99.9 So19
English summary, p.84.

4211 KAUFMAN, I. M. Most effective method for storing acorns. (In Russian.) Les i Step' 3(11):35-37. Nov.1951. 99.8 L565

4212 KIKNADZE, F. M., and MAMIKONIAN, V. V. Growing Eucalyptus on the leading collective farms of Adzharia. (In Russian.) Les i Step' 3(11):75-77. Nov. 1951. 99.8 L565

4213 KOBENDZA, R. Hybride le plus valuable entre Tilia argentea × T. platyphyllos. (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:159-174. 1951. 99.9 P76
French summary.
Tilia varsaviensis.

4214 KOLESNIK, I. D. Leading method of group sowing of oak. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:53-60. Apr.1952. 20 D742

4215 KOTEL'NIKOV, V. S. Collaboration of forestry enterprise with collective farms [in shelterbelt planting]. (In Russian.) Les i Step' 3(11):71-72. Nov.1951. 99.8 L565

4216 KOVALENKO, M. P., and DOBRYNIN, F. D. Group plantings of oak in Ulyanovsk Region. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):3-7. 1952. 20 Ak1

4217 KOVALENKO, M. P., and DOBRYNIN, F. D. Three-year experiments in group planting in forest belts. (In Russian.) Selek. i Semen. 19(5):43-48. May 1952. 61.9 Se5
Oak trees.

4218 LANGNER, W. Wald und forstpflanzenzüchtung Unser Wald 5(7/8):22. (Concl.) July/Aug.1952. 99.8 Un7

4219 LEVENETS, P. P. Experiments in group planting of oak in the Kolushkino Region. (In Russian.) Les i Step' 3(12):59-61. Dec.1951. 99.8 L565

4220 LINDFORS, J. Skogsodlingsverksamheten på bolagsmarkerna i Finland åren 1940—1950. Reforestations in the forests of timber companies in Finland 1940-1950. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(24),9 p. 1952. 99.9 F493
English summary.

4221 LITVINENKO, A. T. Methods for restoring degenerated forest belts. (In Russian.) Les i Step' 3(12): 56-58. Dec.1951. 99.8 L565

4222 LØFTING, E. C. L. Grundlag og retningslinier for træarts- og proveniensvalg i Danmarks hede- og klitplantager [Basis and trends in the selection of tree species and seeds for Denmark's heath and down plantations]. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(16),25 p. 1952. 99.9 F493

4223 LUKKALA, O. J. Rämemäntyjen perinnöllisyydestä. On the heredity of räme-pines. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(12),22 p. 1952. 99.9 F493
English summary.

4224 MACDONALD, J. A. B., and MACDONALD, A. The effect of interplanting with pine on the emergence of Sitka spruce [Picea sitchensis] from check on heather land. Scot. Forestry 6:77-81. July 1952. 99.8 Sco3

4225 MATVEEV, A. G., PETRUSENKO, V. I., and SHESTOV, P. P. Tree planting machine CL-4A. (In Russian.) Les i Step' 3(12):50-51. Dec.1951. 99.8 L565

4226 METRO, A. E. Les pépinières forestières au Maroc. Sta. de Rech. et d'Expt. Forest. Brochure Tech. 1,68 p. Dec.1951. 99.9 R11

4227 MOISEENKO, S. I. Experiment in starting a plantation of Euonymus maacki by sowing. (In Russian.) Lesn. Khoz. 5:23-25. Jan.1952. 99.8 L5622

4228 MORELLET, J. Une experiénce sylvicole au Cameroun. Bois et Forets des Trop. 25:297-312. Sept./Oct.1952. 99.8 B632
English summary.
Natural regeneration and agriculture.

4229 MUKOED, A. D. Forest fruit picker. (In Russian.) Les i Step' 3(12):54-55. Dec.1951. 99.8 L565
Equipment for collecting pine cones.

4230 OLBRICH, A. Stetiger windschutz. Forstwiss. Centbl. 71:254-256. July/Aug.1952. 99.8 F775

4231 OLISOVA, O. P. Group sowing of Pinus cembra sibirica. (In Russian.) Agrobiologiîa 4:151-154. Ref. July/Aug.1952. 20 Ag822

4232 OL'KHOVSKIĬ, D. S. Urgent problems in growing forests in South-Eastern Kazakhstan. (In Russian.) Les i Step' 3(11):64-66. Nov.1951. 99.8 L565

4233 OSARA, N. A. Eräs kuusen istutus. A spruce plantation. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(36),12 p. 1952. 99.9 F493
English summary.

4234 PANOV, A. Sakupljanje i manipulacija sa šumskim sjemenom; priručnik [Collection and treatment of tree seeds; manual]. Sarajevo,Narodni Šumar,1951. 42 p. 99.47 P193

4235 PICCAROLO, G. Poplar cultivation. (In Italian.) Humus 8(7/8):3-8. July/Aug.1952. 16 H88
Planting.

4236 REGENSTEIN, E. Die nestermethode und wir. Wald 2:204-205. July 1952. 99.8 W143

4237 ROE, A. L. Larch—Douglas fir regeneration studies in Montana. Nowest. Sci. 26:95-102. Aug.1952. 470 N81

4238 RUDOLF, P. P. Low temperature seed storage for western conifers. U. S. Forest Serv. Lake States Forest Expt. Sta. Misc. Rpt. 20,8 p. July 17,1952. 1.9622 L2M68

4239 SARVAS, R. On the flowering of birch [Betula] and the quality of seed crop. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(7),38 p. Ref. 1952. 99.9 F493

4240 SATO, Y. On the viability of willow seeds (Toisus urbaniana Kimura). (In Japanese.) Hokkaido U. Col. Agr. Col. Expt. Forests. Res. B. 15:255-262. Ref. 1952. 99.9 H68
English summary.

4241 SAZONOV, I. N. Group sowing of shelterbelts in Kiev Region. (In Russian.) Agrobiologiîa 4:157-160. July/Aug.1952. 20 Ag822

4242 SHALTIEL, M. Forest plantation for seed selection. (In Hebrew.) La-Yaaran 2:71-73. July 1952. 99.9 So19
English summary, p.83.

4243 SIL'VESTROV, S. I. System of shelterbelt forest planting on kolkhozes in eroded regions. (In Russian.) Les i Step' 3(12):27-36. Dec.1951. 99.8 L565

4244 SKACHKOV, I. A. Group sowing of shelterbelts by Academician T. D. Lysenko's method. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:36-38. May 1952. 20 D742

4245 SOPILKA, A. T. How we achieved a high production of [pine] seedlings in a [forest] nursery. (In Russian.) Les i Step' 3(11):54-55. Nov.1951. 99.8 L565

4246 SQUILLACE, A. E. Opportunities for forest genetics research in the northern Rocky Mountain region. Mont. Acad. Sci. Proc. 11:3-7. 1951,pub.1952. 500 M762

4247 STARCHENKO, I. I. Checking the quality of acorns in storage. (In Russian.) Les i Step' 3(11):78-79. Nov.1951. 99.8 L565

4248 STARCHENKO, I. I. Pine and oak specimen of B. I. Guzovskii. (In Russian.) Les i Step' 3(12):24-26. Dec.1951. 99.8 L565
Planting pine or oak singly or together in mixed rows.

4249 TOMAŠEVSKI, S. Autumnal sowing of seeds of P. halepensis, P. nigra and C. semper-virens in nursery. (In Serbo-Croatian.) Šumarski List 76:164-167. May/June 1952. 99.8 Su6

4250 TOUZALIN, DE. Le reboisement dans les terres de brandes. Rev. Forest. Franç. 4:557-562. Sept. 1952. 99.8 R329

4251 TSEDIK-TOMASHEVICH, Z. F. Inter-varietal and interspecific relations of trees and shrubs. (In Russian.) Selek. i Semen. 19(8):29-36. Aug.1952. 61.9 Se5

4252 TSYGANOVA, T. F. Group plantings of forests under conditions of the forest-steppe in Cheliabinsk Region. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:61-63. Apr.1952. 20 D742

4253 VINE, R. Starting Eucalypts in hard country. New Zeal. Farmer 73(13):3-4. Aug.28,1952. 23 N484

4254 WAGNER, H. Kurze anleitung zum anbau von korbweiden. Wald 2:221-223. July 1952. 99.8 W143

4255 WIDMANN, M. Banquettes et plants Putod, adaptation à la zone méditerranéenne française des méthodes de reboisement nord-africaines. Rev. Forest. Franç. 4:571-585. Sept.1952. 99.8 R329

4256 ZABOROVSKIĬ, E. P. In regard to methods for sprouting acorns. (In Russian.) Lesn. Khoz. 5:61-62. Jan.1952. 99.8 L5622

Forest Protection and Damage

4257 AHOLA, V. K. Mukurapuista. On gnarly trees. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(18),10 p. 1952. 99.9 F493
English summary.

4258 AUGHANBAUGH, J. E., JR. Some beneficial forest birds. Pa. Forests & Waters 4:92-95. July/Aug. 1952. 99.8 P38

4259 BAADER, G. Untersuchungen über randschäden. Göttingen. U. Forstl. Fakul. Schrreihe. 3,73 p. 1952. 99.9 G71

4260 BALLARD, S. The rabbit plague. Q. J. Forestry 46:264-265. Oct.1952. 99.8 Q2

4261 BUCKLAND, D. C. Animal damage to conifers. Brit. Columbia Lumberman 36(10):58,60,62,64. Oct.1952. 99.81 B77

4262 CASWELL, J. W. Forest protection in a changing forest. Wis. Conserv. B. 17(9):24-25. Sept. 1952. 279.8 W752

4263 GRUZDEV, V. V. On the importance of lighting for the distribution of insect-eating birds in the forest massifs and shelterbelts. (In Russian.) Zool. Zhur. 31: 556-563. Ref. July/Aug.1952. 410 R92

4264 HARTMANN, F. Das schälen des rotwildes. Pirsch 4:577-578. Aug.30,1952. 410 P66

4265 HAUSSINGER. Der einzel-drahtschutz. Allg. Forstz. 7:422-423. Oct.15,1952. 99.8 AL52

4266 ISHIDA, S. The occurrence of frost crack on forest trees in Hokkaido. (In Japanese.) Hokkaido U. Col. Agr. Col. Expt. Forests. Res. B. 15:303-341. 1952. 99.9 H68
English summary.

4267 KREČMER, V. Der einfluss der dürrejahres 1947 insbesondere auf den höhenzuwachs der waldholzarten. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. 25:243-260. Ref. Mar.1952. 19.5 C332C
German summary.

4268 KUJALA, V. Eräistä ruskettumisilmiöistä elävien puiden rungoissa. Uber einige verbräunungserscheinungen in lebenden baumstämmen in Süd- und Mittel-Finnland. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(14),24 p. Ref. 1952. 99.9 F493
German summary.
From frost.

4269 LAITAKARI, E. Myrskyistä ja myrskyn tuhoista suomessa vv. 1911-1950. On storms and storm damage in Finland during the period 1911-1950. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(30), 29 p. Ref. 1952. 99.9 F493
English summary.

4270 MCCULLOUGH, J. M. Deer—or timber? Pa. Game News 23(6):30,35. Sept.1952. 412.9 P38Pe

4271 MACDONALD, J. M. Wind damage in middle-aged crops of Sitka spruce [Picea sitchensis], and its prevention. Scot. Forestry 6:82-85. July 1952. 99.8 Sco3

4272 MAIA, L. C. DE M. Forest patrols. (In Portuguese.) Fauna [São Paulo] 11(8):34-36. Aug.1952. 410 F272

4273 MERGEN, F., and WINER, H. I. Compression failures in the boles of living conifers. J. Forestry 50: 677-679. Sept.1952. 99.8 F768

4274 SWEDEN. DOMÄNSTYRELSEN. Naturvård i statens skogar. Protection of nature in the State forests. Stockholm,1951. 39,46 p. 99.25 Sw3

4275 THURN-VALSASSINA, G. G. Für wald und wild. Kärntner Bauer 102:503-504. Sept.15,1952. 10 K14
Forest protection.

4276 WADSWORTH, F. H. Inter-American action to preserve forests; fourth session of the FAO Latin American Forestry Commission, Buenos Aires, June 16-23, 1952. U. S. Dept. State. B. 27:492-495. Sept.29, 1952. 150 B87

4277 WRIGHT, E., and GRAHAM, D. P. Surveying for pole blight. J. Forestry 50:680-682. Sept.1952. 99.8 F768
On Pinus monticola.

Fire

4278 AMERICAN FOREST PRODUCTS INDUSTRIES. Proof book of forestry ad mats. Washington,1952. 24 p. 99.51 Am32P

4279 CHAPMAN, F. B. Wildlife losses from forest fires. Ohio Conserv. B. 16(10):20-21. Oct.1952. 279.9 Oh330

4280 FRASER, F. A. Danger rating table for forest industrial use. Vancouver, Canada,1952. 5 p. 99.51 F86

4281 FRAZIER, F. Forest fire control. W. Va. Conserv. 16(6):4-5. Sept.1952. 279.8 W524

4282 JOLAIN, R. Le Fonds Forestier National et la lutte contre les incendies de forêts. Rev. Forest. Franç. 4:549-556. Sept.1952. 99.8 R329

4283 LASTINGER, B. B. Is forest fire insurance feasible? Forest Farmer 12:5. Oct.1952. 99.8 F7692

4284 NELSON, A. W., JR. Are we ready for forest insurance. South. Lumberman 185(2315):39. Sept.15, 1952. 99.81 So82

4285 TILLINGHAST, J. Forest fires and the landowner. W. Va. Conserv. 16(6):6-7. Sept.1952. 279.8 W524
Prevention and control.

4286 VIETINGHOFF-RIESCH, FREIHERR VON. Forstliche eindrücke bei einer bereisung von nordamerika. Norddeut. Holzwirt. 6(8):5-8. July 17,1952. 99.82 N75
Chiefly on fire control.

4287 WICKLUND, H. T. Rotor type fire line trencher. U. S. Forest Serv. E. D. Rpt. 17,12 p. July 1952. 1.962 A2Eq5

4288 WILLIAMS, K. F. Facts on fires. N. Y. State Conserv. 7(2):4-5. Oct./Nov.1952. 279.8 N48

4289 WITHERSPOON, J. C. Even little fires quietly kill profits in woodlands. Cross Tie B. 33:32,34. Sept. 1952. 99.82 C87
South Carolina.

4290 WORKMAN, R. Wild fire! W. Va. Conserv. 16(6):10-12. Sept.1952. 279.8 W524
Forest fires.

4291 ZEDDIES, A. Die brandhexe tanzt. Unser Wald 5(7/8):8-9. July/Aug.1952. 99.8 Un7

Forest Influences

4292 AHMAD, Y. S. The relation of forestry to agriculture. Pakistan J. Forestry 2:170-174. July 1952. 99.8 P17

4293 AZEVEDO, O. DE. Windbreaks; their effects and best composition. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 8(16):100-102. Second Semes. 1952. 15 Az6

4294 BODROV, V. A. Lesnaîa meliorafsiîa [Forest melioration]. Ed. 2, rev. Moskva,Goslesbumizdat,1951. 459 p. Ref. 99.36 B63L
Shelterbelts and soil erosion control.

4295 BUNUŠEVAC, T., and ANTIĆ, M. L'influence des cultures de certaines essences forestières sur les conditions édaphiques de sables boisés de Déliblato. (In Serbo-Croatian.) Beograd. U. Šumarski Fakul. Glasnik 3:129-160. 1951. 99.9 B415
French summary.

4296 FRANK, B. Deep go the roots. Nat. Mag. 45: 482-484,498. Nov.1952. 409.6 N214
Effects on floods.

4297 KORFSMEIER, K. Wald und grundwasserspiegel im zusammenhang. Landwirtbl. Weser-Ems 99: 886-887. Sept.4,1952. 18 L2345

4298 MARUYAMA, I., and INOSE, T. Experiment of forest influences upon stream-flow at Kamabuti. 1. (In Japanese.) Rin-Go-Shiken-Hokoku 53:1-41. Ref. July 1952. 99.8 R47
English summary.

4299 MULLER, H. Die verwendung von pappeln in windschutzanlagen. Grüne 80:1123-1126. Oct.10,1952. 17 Sch9

4300 RIQUELME INDA, J. Desforestación: causa de las inundaciones. Com. Mex., Aug.1952:32-34. 286.8 C73334

4301 ROMASHOV, N. V. On wind-protecting and anti-erosional effect of shelterbelts. (In Russian.) Les i Step' 3(11):26-28. Nov.1951. 99.8 L565

4302 STEUBING, L. Die bedeutung von windschutzanlagen für das mikroklima. Deut. Landwirt. 3:523-526. Ref. Oct.1952. 18 D4822
Russian Zone.

Miscellaneous Forest Uses

4303 MOORE, P. Scots pine [Pinus sylvestris] on a disused and burning coal tip. Q. J. Forestry 46:250-255. Oct.1952. 99.8 Q2

4304 PETITMERMET, L. Le service forestier et la protection de la nature. Schweiz. Natschutz. 18:86-87. Aug.1952. 279.8 Sch9

4305 U. S. FOREST SERV. Special uses on the national forests. Washington,1952. 2 p. 1.962 A2Sp3

FOREST INDUSTRIES AND TRADE

4306 BODINE, L. V. N L M A then, now and tomorrow. Amer. Forests 58(9):6-9,34,36-37. Sept.1952. 99.8 F762
National Lumber Manufacturers Association.

4307 HEINRICHS, W. Höhere preise am nordischen markt. Norddeut. Holzwirt. 6(36):2. Sept.4,1952. 99.82 N75

4308 HEINRICHS, W. 100 jahre schwedischer holzexport. Holz-Zentbl. 78:1488,1502-1504. Sept.6-9,1952. 99.81 H742

4309 HEINRICHS, W. Osterreich muss den holzexport steigern. Holz-Zentbl. 78:1591-1592. Sept.25, 1952. 99.81 H742

4310 HEINRICHS, W. Preisveränderungen im Norden. Internatl. Holzmarkt 43(15):4-5. July 26,1952. 99.81 In82

4311 HEINRICHS, W. Die weitere entwicklung am nordischen schnittholzmarkt. Norddeut. Holzwirt. 6(8):4. July 17,1952. 99.82 N75

4312 KMONITZEK. Zum beginn des neuen forstwirtschaftsjahres. Holz-Zentbl. 78:1641-1642. Oct.4, 1952. 99.81 H742
Forest industries.

4313 MCCUTCHEON, J. O. Integrated forest products operation. Engin. J. 35:940-944. Sept.1952. 290.9 En3

4314 MAIER, P. Erkenntnisse aus den südbadischen versteigerungen. Holz-Zentbl. 78:1642-1643. Oct.4,1952. 99.81 H742

4315 MAIER, P. Holzpreisüberwachung immer noch aktuell. Holz-Zentbl. 78:1521-1524. Sept.13,1952. 99.81 H742

4316 RANCOURT, E. DE. La France importe massivement. Rev. Internatl. du Bois 19(171):3,5-6. Aug./Sept.1952. 99.8 R326

4317 RISHELL, C. A. Industry research program. (Extr.) N. Y. Lumber Trade J. 131(1439):10,12. Oct. 1952. 99.81 N48

4318 ROSEN, G. FREIHERR VON. Der Strassburger plan und seine bedeutung für den deutschen holzimport. Holz-Zentbl. 78:1709-1710. Oct.16,1952. 99.81 H742

4319 ROYAL SCOTTISH FORESTRY SOCIETY. Report and recommendations of a special committee set up to consider organised marketing and utilisation of timber grown in Scotland. Scot. Forestry 6:90-96. July 1952. 99.8 Sco3

4320 SCHONHERR, H. Die versorgung der deutschen bundesbahn mit werkstättenholz in der nordzone. Holz-Zentbl. 78:1723-1724. Oct.18,1952. 99.81 H742

4321 TIMBER DEVELOPMENT ASSOCIATION. Eighteenth annual report, 1951. London,1951. 99.9 T48A

4322 TIMBER TRADE FEDERATION OF THE UNITED KINGDOM. Fifty-ninth annual report. 1951. London,1952. 164 p. 99.9 T483

4323 WINKELMANN, H. G. Vers la suppression des prix maxima. Forêt 5:231-233. Sept.1952. 99.8 F7683

4324 WINKOOP, W. VAN. Wood industries in Borneo. (In Dutch.) Tectona 42:89-96. Aug.1952. 99.8 B65
English summary.

4325 WOOD WORKING DIGEST. Annual directory. Wood Working Digest 54,320 p. Oct.1952. 99.82 W87

Lumbering

4326 BIRD, B. K. Calked shoes: life in Adirondack lumber camps. Prospect, N. Y.,Prospect Books,1952. 141 p. 99.76 B53

4327 BYE, A. Training of foremen in Finland. (In Norwegian.) Norsk Skogindus. 6:253-254. Aug.1952. 99.82 N81

4328 COOK, A. An efficient wood handling system. Canad. Pulp & Paper Indus. 5(9):26,28,30. Sept.1952. 302.8 W52

4329 CROWE, W. S. Historical notes on Michigan's timber industry. 7. Timber Prod. B. 113:8-9. Aug.1952. 99.9 T482B

4330 HEINRICHS, W. Aus der französischen holzwirtschaft. Holz-Zentbl. 78:1700-1701. Oct.14,1952. 99.81 H742

4331 HEISKANEN, V. Metsätöistä Yhdysvaltain länsirannikolla. On forest work on the West Coast of USA. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(11),25 p. 1952. 99.9 F493
English summary.

4332 RAZOUS, P. Exploitation forestière des bois pour pâte a papier. Bois et Scieries 58:876-877. (Cont.) 99.81 B632

4333 VASIL'EV, P. Potentialities for further advancement of the lumber industry. (In Russian.) Voprosy Ekon. 8:20-32. Aug.1952. 280.8 V89

Lumbering Equipment

4334 BRYCE, J. B. The use of models in the design of log chutes at power dams. Pulp & Paper Manual Canada 1952:45-47,49,51,53-55,59. 302.8 P963

4335 GUT, R. C. Scies à moteur. Forêt 5:224-225. Sept.1952. 99.8 F7683

4336 HANSEL, S. Operation of hydraulic barkers. Brit. Columbia Lumberman 36(9):64,66,105-106,108. Sept.1952. 99.81 B77

4337 KERR, L. Training aids for mechanical saws. Pulp & Paper Mag. Canada 53(11):165-166. Oct.1952. 302.8 P96

4338 KUNTH, W. Noch einmal: "arbeitsorganisation beim einsatz von motorsägen." Wald 2:200-202. July 1952. 99.8 W143

4339 LORD, G. R. Hydraulic model study of Manicouagan River holding boom. Pulp & Paper Mag. Canada 53(11):150,152-153. Oct.1952. 302.8 P96

4340 MANN, C. F. A. Chehalis—Western—Weyerhaeuser logging railroad 100% dieselized. Diesel Prog. 18(11):38-41. Nov.1952. 291.8 D56

4341 RAMSAUER, R. Das "pferd" des gebirgswaldwirtes von morgen. Allg. Forstztg. 63:212. Sept. 1952. 99.8 AL53

4342 STEWART, A. M. Developments in training aids for conventional tools. Pulp & Paper Mag. Canada 53(11):160-162. Oct.1952. 302.8 P96

4343 UVAROV, N. V. Posobie dlía motorista élektropil [A guide for the operator of electric saws]. Moskva,Goslesbumizdat,1951. 109 p. 99.76 Uv1

4344 WALLECZEK, F. Eine neue seilbahn für die forstwirtschaft. Internatl. Holzmarkt 43(18):27-29. (Cont.) Sept.6,1952. 99.81 In82

Logging

4345 BASHKOVICH, L. Assembly line method at logging sites. (In Russian.) Sel'sk. Stroitel' 7(4):18-19. July/Aug.1952. 296.28 Se4

4346 BENNETT, A. L. Planning chemical girdling for large scale pulpwood production. Pa. Forests & Waters 4:88-91,95. July/Aug.1952. 99.8 P38

4347 BENNETT, W. D. Nature and equipment of pulpwood operations in Canada. Pulp & Paper Manual Canada 1952:61,63-65,67,69,71. 302.8 P963

4348 GLÄSER, H. Untersuchungen über holzhauerarbeit am steilhang. Holz-Zentbl. 78:1651-1652,1661-1662. (Cont.) Oct.4-7,1952. 99.81 H742

4349 HAFNER, F. Die praxis des neuzeitlichen holztransportes. Wien,Fromme,1952. 319 p. Ref. 99.76 H11

4350 HALL, M. A. Getting out the logs. South. Lumberman 185(2317):72,74,76. Oct.15,1952. 99.81 So82

4351 HARVIN, R. L., NOLAN, W. J., and BROWN, W. F. The barking of turkey oak [Quercus laevis]. Tappi 35(9):164A-168A. Sept.1952. 302.8 T162

4352 HOLZEL, D. A. Die schlägerung der rotbuche [Fagus silvatica] in der saftzeit. Internatl. Holzmarkt 43(16):2-3. Aug.9,1952. 99.81 In82

4353 HURLEY, W. J. Project E 2. N. Y. State Conserv. 7(2):22-23. Oct./Nov.1952. 279.8 N48
Salvage logging.

4354 JARMAN, G. W. Methods of bark separation. Noeast. Wood Util. Council. B. 39:29-31. Sept.1952. 99.9 N819

4355 LAMP, I. Von der hobelzahnsäge zur sauna; über die leistungssteigerung bei der waldarbeit. Ed. 2. Wien,1951. 61 p. Ref. (Der Vorteil; Schriftenreihe der Osterreichischen Produktivitäts-Zentrum) 99.76 L19

4356 LOGGING pine, fir on California's Coast Range has its own particular problems. Timberman 53 (12):56,58. Oct.1952. 99.81 T484

4357 MCCRAW, W. E. Build better logging roads and save. South. Lumberman 185(2317):66,68,70. Oct.15, 1952. 99.81 So82

4358 MACDONALD, A. G. Chemical debarking of western species. Canad. Pulp & Paper Indus. 5(9):78,80, 82. Sept.1952. 302.8 W52

4359 MCNALLY, J. A., and others. Mechanical hauling, a panel discussion in two parts. Pulp & Paper Mag. Canada 53(10):191-194,196,198-200,202-203,205-206,208,210,212. Sept.1952. 302.8 P96

4360 MARTIN, A. Logging in Newfoundland in 1952. Pulp & Paper 26(11):88-90. Oct.1952. 302.8 P11

4361 NATIVE mechanization of log hauling. (In Serbo-Croatian.) Sumarski List 76:174-178. May/June 1952. 99.8 Su6
By cable.

4362 OLSON, H. Cheating the beetles. Amer. Forests 58(9):25,40-41. Sept.1952. 99.8 F762
Salvage logging.

4363 PEPLER, W. A. E. Extraction—logging and its effects on forest practice. Canad. Pulp & Paper Assoc. Woodlands Sect. Index 1270 B-1,11 p. Summer 1952. 99.8 W855

4364 PROTANSKIĬ, V. V., and SYROMIATNIKOV, S. A. Lesoėksploatatsiia [Forest utilization]. Moskva, Goslesbumizdat,1951. 590 p. Ref. 99.76 P94
Logging.

4365 SUDDARTH, S. K. Cost minimization in the primary transport of forest products. (Abs.) J. Forestry 50:691. Sept.1952. 99.8 F768

4366 WEATHERBY, H. Patrol reveals logging trends. Brit. Columbia Lumberman 36(9):39-40. Sept. 1952. 99.81 B77

4367 WERSENGER, H. Uber das schälverfahren nach system Stüwe, ein beitrag zur frage der entrindung im walde. Wald 2:272-274. Sept.1952. 99.8 W143

4368 WOODS, E. W. Safety measures in the Seto. Porter Forest. Wooden Barrel 21:7. Sept.1952. 99.82 W854
In logging.

4369 ZIEGER, E. Die biologischen grundlagen der entrindung des fichten-faserholzes. Wald 2:210-212. July 1952. 99.8 W143

Sawmills

4370 ADAM, J. Der gattersägenüberhang. Holz-Zentbl. 78:1567-1568. Sept.20,1952. 99.81 H742

4371 ARMBRUSTER. Schiebebühnen im sägewerksbetrieb. Internatl. Holzmarkt 43(18):29-30. Sept.6,1952. 99.81 In82

4372 BERTHON, P. Organisation du travail et controle de la production et des rendements dans une exploitation forestière et industrielle tropicale. Bois et Forets des Trop. 25:337-343. (Cont.) Sept./Oct.1952. 99.8 B632
English summary.
Sawmills.

4373 DEHN, U. V. Moderne klotzaufzüge in schwedischen sägewerken. Holz-Zentbl. 78:1701. Oct.14, 1952. 99.81 H742

4374 FORSBERG, and THUNELL, B. Investigation of recovery in top and butt sawing in tests carried out at two sawmills during the summer 1950. (In Swedish.) Svenska Träforskinst.Trätek. Avd. Meddel. 30 B,66 p. 1952. 99.9 St6

4375 GOTTLIEB, F. Der kraftbedarf eines sägewerkes. Internatl. Holzmarkt 43(18):20-24. (Cont.) Sept.6,1952. 99.81 In82

4376 HELBURN, N. Location types in the forest industries of western Montana. Mont. Acad. Sci. Proc. 9:13-16. 1949,pub.1951. 500 M762
Sawmill-planing mill industry.

4377 HYLAND, J. The rudiments of sawmilling. 4. Timber News 60:445-447. Sept.1952. 99.81 T482
From The Denny Log.

4378 HYLER, J. E. Sawmill carriages and auxiliaries. II. South. Lumberman 185(2315):56,58,60-61. Sept. 15,1952. 99.81 So82

4379 HYLER, J. E. Sawmill carriages and auxiliaries. III. South. Lumberman 185(2317):58,60,62,64,66. Oct.15,1952. 99.81 So82

4380 PAUSE, H. Die dampfmaschine im sägewerk, kann die leistung der kraftanlage gesteigert werden? Holz-Zentbl. 78:1659-1660. Oct.7,1952. 99.81 H742

4381 PILLER, K. Grossleistungen am vollgatter in Osterreich. Internatl. Holzmarkt 43(16):7-8. Aug.9, 1952. 99.81 In82

4382 TEXAS. FOREST SERV. FOREST PRODUCTS DEPT. Ganging up on pine. South. Lumberman 185(2315): 44,46,48,50. Sept.15,1952. 99.81 So82

4383 YORKE, G. Saw mill and engineering: vertical and horizontal log bandmills. Timber Trades J. 202: 1629-1630. Sept.6,1952. 99.81 T48

Processing and Woodworking

4384 EBERT, F. A. Vergleichende arbeitsverfahren. Norddeut. Holzwirt. 6(35):6. Aug.28,1952. 99.82 N75
In woodworking.

4385 FOYSTER, J. R. Knife and cutter marks. Wood [London] 17:404-406. Oct.1952. 99.82 W855

4386 HAYCOCK, A. H. Operating the four-cutter. Wood [London] 17:397-401. Oct.1952. 99.82 W855

4387 HOLZBEARBEITUNGSMASCHINEN mit poeschl-kurztrieb. Internatl. Holzmarkt 43(18):37-39. Sept.6,1952. 99.81 In82

4388 KIVIMAA, E. Cutting force in woodworking. (In Finnish.) Paperi ja Puu. B 34:307-313. (Cont.) Aug.25,1952. 302.8 P1991

4389 KOLLMANN, F. Uber das biegen der hölzer. Holz-Zentbl. 78:1439-1440,1452-1454. Aug.28,1952. 99.81 H742

4390 KREIHSL, J. Die automatische zuschneide- und besäumkreissäge im holzverarbeitenden betrieb. Internatl. Holzmarkt 43(16):9. Aug.9,1952. 99.81 In82

4391 MAYER, K. Produktivitätssteigerung durch hartmetallwerkzeuge. Internatl. Holzmarkt 43(18):35-36. Sept.6,1952. 99.81 In82
Woodworking equipment.

4392 PETITPAS, J. Evolution du rabotage. Rev. du Bois 7(9/10):3-7. Sept./Oct.1952. 99.82 R32

Seasoning, Conditioning and Finishing

4393 BATESON, R. G. Timber drying and the behavior of seasoned timber in use. Ed. 3. London, Lockwood, 1952. 143 p. 300 B31

4394 BORCHGREVINK, A. A modern drying plant for lumber. (In Norwegian.) Norsk Skogindus. 6:250-252. Aug.1952. 99.82 N81

4395 COOK, F. Modern dry kiln operation. 2. Canad. Woodworker 52(9):60-61,63. Sept.1952. 99.82 C162

4396 EISENMANN. Leistung und wirtschaftlichkeit neuer holztrocknungsverfahren. Holz-Zentbl. 78:1686. Oct.11,1952. 99.81 H742

4397 FESSEL, F. Hochfrequenztrocknung von laubhölzern. Versuchsergebnisse. Holz als Roh- u. Werkst. 10:280-283. July 1952. 99.81 H74

4398 FESSEL, F. Neue holztrockenverfahren. Norddeut. Holzwirt. 6(36):6. Sept.4,1952. 99.82 N75

4399 GEUL, H. Holztrocknung mit hohen windgeschwindigkeiten. Holz-Zentbl. 78:1503-1504,1506. Sept.9, 1952. 99.81 H742

4400 GILLES, F. Une légende a détruire: les bienfaits de l'étuvage. Bois et Scieries 58:951-952. Sept.18,1952. 99.81 B632

4401 HANSEN, G. M. Home painting and the lumber dealer. Calif. Lumber Merchant 31(8):52,54. Oct.15, 1952. 99.81 C12

4402 HARDESTY, H. Patching procedures. Canad. Woodworker 52(9):68,70. Sept.1952. 99.82 C162

4403 JOHNSTON, D. D. Some experiments on the drying of birch for brush woodware. Wood [London] 17: 378-381. Oct.1952. 99.82 W855

4404 KIEFER, O. Ein neuer weg der hochtemperaturtrocknung. Norddeut. Holzwirt. 6(8):9. July 17,1952. 99.82 N75

4405 KISSER, J., and STEININGER, A. Die mikroskopie im dienste der oberflächenbehandlung von holz. Osterr. Gesell. f. Holzforsch. Mitt. 4:87-91. In Internatl. Holzmarkt 43(17). Aug.23,1952. 99.81 In82

4406 LUTHGENS, M. Neue methoden der oberflächenbehandlung von holz. Holz 6:193-196. Aug.1952. 99.82 H743

4407 NOERKAMAL, M. T. Droogproeven met Cedrela mexicana-Planken. A note on kiln-drying of Cedrela mexicana Roem. Indonesia. Bosbouwproefsta. Rap. 53,8 p. May 1952. 99.9 Ea72R
English summary.

4408 OGURA, T., and ONUMA, K. On the computation of moisture distribution in wood by means of electric resistance. (In Japanese.) Rin-Go-Shiken-Hokoku 53:83-101. July 1952. 99.8 R47
English summary.

4409 PRYCE, S. D. Proper seasoning steps up furniture output. Wood & Wood Prod. 57(10):34,37,67. Oct.1952. 99.82 W856
Kiln drying.

4410 ROBERTSON, W. K. When to use synthetic resins. Wood & Wood Prod. 57(10):42,44. Oct.1952. 99.82 W856
In furniture finishing.

4411 STERLIN, D. M. Kontaktnaîa sushka shpona [Contact drying of veneer]. Moskva, Goslesbumizdat, 1952. 118 p. Ref. 300 St42

4412 STEVENS, W. C. Timber drying in superheated steam. Timber & Plywood 103:477,482. Sept.18, 1952. 99.81 T489

4413 STURANY, H. Holztrocknung nach dem kondensationsprinzip? Holz-Zentbl. 78:1513-1514. Sept.11,1952. 99.81 H742

4414 TIEMANN, H. D. The kiln-drying of lumber. 45-46. South. Lumberman 185(2315):52,54; (2317):54. Sept.15,Oct.15,1952. 99.81 So82

4415 UTERHARCK, F. Handbuch für künstliche holztrocknung. Ed. 3, rev. and enl. Wiesbaden, Sändig, 1952. 164 p. 300 Ut2

4416 ZHIL'TSOV, V. Artificial drying of wood. (In Russian.) Sel'sk. Stroitel' 7(1):22. Jan./Feb.1952. 296.28 Se4

Wood Preservation and Damage

4417 BEHR, E. A. Wood preservation and the PCO. I-II. Pest Control 20(9):23-24,26; (10):40,42,46. Sept.-Oct.1952. 449.8 Ex8

4418 BOTELHO, E. A. New wood preservatives (toxicity tests). (In Portuguese.) Brazil. Inst. Nac. de Tecnol. B. do INT 2(3):25-34. May 1951. 516 B73

4419 CARTWRIGHT, K. S., and FINDLAY, W. P. K. Dry rot in wood. Ed. 5. Gt. Brit. Dept. Sci. & Indus. Res. Forest Prod. Res. B. 1,36 p. 1952. 99.9 G796B

4420 COPE, J. D. Take care of your timber; pests and diseases can cost you pounds. Confectionery News 86(20):40-42. Sept.26,1952. 389.8 C764
Wood preservation.

4421 DEHN, U. VON. Verfahrenstechnik zur schnittholzimprägnierung in den nordischen ländern. Internatl. Holzmarkt 43(15):11-12. July 26,1952. 99.81 In82

4422 DIXON, R. D. Needed, a simple, effective wood preserving process. Forest Farmer 12:6. Oct.1952. 99.8 F7692

4423 FRITZ, C. W. Brown stain and its effect on the strength of pine poles. Forestry Chron. 28(3):24-29. Sept.1952. 99.8 F7623

4424 HADLINGTON, P. Prevention and treatment of borers and termite prevention in new homes. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(3):14-16. Aug.1951. 99.9 N472T

4425 JACQUIOT, C., and KELLER-VAILLANT. La préservation des bois. Paris, Hermann, 1951. 159 p. (Actualités Scientifiques et Industrielles 1157, L'Arbre 2.) 300 J16

4426 KILROE-SMITH, T. A. The chemical aspects of preservation of mine timbers, with special reference to copper sulphate-sodium bichromate mixtures. So. African Indus. Chem. 6:178-180. June 1952. 385 So8

4427 NESBITT, E. T. Laval University is developing new technique in preserving wood. Canada Lumberman 72(10):50-51,81. Oct.1952. 99.81 C16

4428 A RURAL industry starts to grow. Va. Econ. Rev. 5(4):1-5. Oct.1952. 280.7 V812
Fence post preservation.

4429 SMART, M. E. Timber research in this country. Roy. Inst. Chartered Surveyors. J. 32:252-258. Oct.1952. 282.9 C38J
Preservation and processing research in Great Britain.

FOREST PRODUCTS

4430 BUCHANAN, T. S. Forestry or horticulture? Idaho Forester 34:47-48,78. 1952. 99.9 Id1
Forest products in Liberia.

4431 CORTES, R. T. Ways and means of increasing wood utilization. Filipino Forester 3:45-55,73. Ref. 1951. 99.8 F47

4432 ERNST. Zum thema abfallverwertung: forstwirtschaftliche gesichtspunkte zur entwicklung der holzwerkstoffindustrie. Holz-Zentbl. 78:1741-1742. Oct.21, 1952. 99.81 H742

4433 FARMER, R. H. The work of the Forest Products Research Laboratory. Chem. & Indus. 44:1064-1068. Nov 1,1952. 382 M31C

4434 HALL, J. A. A look ahead at forest products research. (Extr.) Battelle Tech. Rev. 1:114. Oct.1952. 470 B32

4435 HUMMELGREN, E. Sweden's forest products laboratory. Amer. Swedish Mon. 46(7):9,26-28. July 1952. 286.8 Sw3

4436 MAHAFFAY, R. E. Why sell lumber? Amer. Lumberman & Bldg. Prod. Merchandiser 3499:112-114, 117. Sept.8,1952. 99.81 Am3

4437 MARCELO, H. B. The Forest Products Laboratory of Australia. Filipino Forester 3:23-28. 1951. 99.8 F47

4438 SCHULZE, H. Grösste sparsamkeit mit dem rohstoff "holz." Wald 2:274-275. Sept.1952. 99.8 W143

4439 WELLWOOD, R. W. Current research at the U. S. Forest Products Laboratory, Madison, Wisconsin. Brit. Columbia Lumberman 36(9):44,54. Sept.1952. 99.81 B77

Lumber and Rough Products

4440 BRAEUER, J. Ist die aushaltung von sondersortimenten noch zulässig? Allg. Forstz. 7:383-384. Sept.17,1952. 99.8 AL52

4441 BRITISH COLUMBIA LUMBER MANUFACTURERS ASSOCIATION. Standard grading and dressing rules. No. 49 for Pacific Coast cypress or Pacific Coast yellow cedar. Supplement 1. Vancouver, 1952. 18 p. 99.9 B779
Chamaecyparis nootkatensis.

4442 COLUMBIA RIVER LOG SCALING AND GRADING BUR. Official log scaling and grading rules, effective October 1, 1951. Portland,1951. 33 p. 99.76 C72

4443 GLÜCK, K. Zur frage der rohholzpreise. Internatl. Holzmarkt 43(18):15-16. Sept.6,1952. 99.81 In82

4444 GOFF, C. C. Witness marks on lumber. Lumberman 79(10):125-126. Oct.1952. 99.81 W52

4445 HEINRICHS, W. Der weltschnittholzmarkt in zahlen. Norddeut. Holzwirt. 6(37):4. Sept.11,1952. 99.82 N75

4446 HOLOPAINEN, V. Britannian kaivospuun tuonnin näköaloista. The trend of the United Kingdom imports of pitwood. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(6),17 p. Ref. 1952. 99.9 F493
English summary.

4447 HYLER, J. E. Lumber handling. South. Lumberman 185(2315):66-67,70,72,74-76. (Concl.) Sept.1952. 99.81 So82

4448 HYLER, J. E. Thin material and its working. South. Lumberman 185(2315):40-41. Sept.15,1952. 99.81 So82

4449 KNAUER, H. Planerfüllung brennderbholz 1952. Wald 2:203-204. July 1952. 99.8 W143

4450 KRAMER, P. R. Roof your hardwood lumber piles. Gulf Coast Lumberman 40(12):56-58. Sept.15,1952. 99.81 G95

4451 LUDWIG, T. M. Modern handling in a retail lumber yard. Gulf Coast Lumberman 40(14):48,50,52,54. Oct.15,1952. 99.81 G95

4452 MERKLE, R. Zur entwicklung des preises und der preisspannung beim Fi./Ta.-stammholz. Holz-Zentbl. 78:1733-1735. Oct.18,1952. 99.81 H742

4453 NATIONAL LUMBER MANUFACTURERS ASSOCIATION. Statistical summary of lumber and hardwood flooring 1929-1951, production, shipments, orders and stocks. Washington,1952. 15 p. 99.9 N2192

4454 POHL. Aufkaufplan von rohholz aus nicht bewirtschafteten privaten wäldern. Wald 2:195-196. July 1952. 99.8 W143

4455 SAVILLE, G. The transport of timber. 4. Aspects of forwarding by rail. Wood [London] 17:364-365. Sept.1952. 99.82 W855

4456 SAVILLE, G. The transport of timber. 5. Railway wagons and demurrage. Wood [London] 17:407-408. Oct.1952. 99.82 W855

4457 SCHEFFER, T. C., and ZABEL, R. A. Storage of beech [Fagus grandifolia] logs and bolts in the Northeast. Beech Util. Ser. 2,13 p. Dec.1951. 99.79 N815

4458 SMITH, W. R. We never lift a board. Wood & Wood Prod. 57(10):26-27,41,54. Oct.1952. 99.82 W856

4459 STAMENKOVIĆ, B. Pit props problems. (In Serbo-Croatian.) Šumarski List 76:221-228. July 1952. 99.8 Su6

Building Construction

4460 CROSSLEY, F. H. Timber building in England from early time to the end of the seventeenth century. London,Batsford,1951. 168 p. 296 C882

4461 FROMENT, G. J. Les bois de construction. Ed. 2. Paris,Eyrolles,1952. 245 p. Ref. (Collection "L'Ingénieur des Travaux Publics et du Batiment") 99.79 F92

4462 GROLLERON. Construction de passerelles et ponts légers. Rustica 25:799. Aug.24,1952. 14 R92
Of wood.

4463 HANSEN, G. M. Selling lumber for interiors. N. Y. Lumber Trade J. 131(1438):14. Sept.1952. 99.81 N48

4464 REICHEL, R. C. Moisture and the durability of wood-frame walls. U. S. Housing & Home Finance Agency. Housing Res. Paper 16,20 p. Sept.1951. 177.3 T22

4465 SALLENAVE, P. Une technique nouvelle: le clouage des bois durs au pistolet. Bois et Forets des Trop. 25:333-336. Sept./Oct.1952. 99.8 B632
English summary.

4466 STERN, E. G., and STONEBURNER, P. W. New developments in nailed trussed rafters. Wood Constr. & Bldg. Mater. 38(10):18-19. Oct.1952. 99.81 W852

4467 TICKLE, C. G. Scotland uses cedar siding in "pre-fab" housing task. Brit. Columbia Lumberman 36 (10):72-73. Oct.1952. 99.81 B77
Thuja plicata.

4468 WASASTJERNA, E. Fabrication des portes en bois en Finlande. Rev. Internatl. du Bois 19(171):11-12. Aug./Sept.1952. 99.8 R326

Veneers, Plywood and Adhesives

4469 BOCK, E. Der abbindungsprozess bei der holzverleimung. Holz als Roh- u. Werkst. 10:284-288. July 1952. 99.81 H74

4470 BRANDTS, T. G. Cold-press wood adhesives from kapokseed and kapokseed press cake. Tectona 42: 8-16. Aug.1952. 99.8 B65

4471 BURGESS, P. The 'lever aid' in the knife testing of plywood. Wood [London] 17:340-341. Sept. 1952. 99.82 W855

4472 CRANCH, R. C., and POLETIKA, N. V. Marine laminating comes of age. I. Wood & Wood Prod. 57(10):24-25,46,49. Oct.1952. 99.82 W856

4473 GRAHAM, P. H. High frequency molding of curved plywood is faster. Veneers & Plywood 46(10):10, 30,32. Oct.1952. 99.82 V55

4474 HEEBINK, B. G. Veneer flooring. South. Lumberman 185(2318):53. Nov.1,1952. 99.81 So82

4475 HESS, R. W. Practical facts on how to use imported hardwoods. I. Wood & Wood Prod. 57(10):32,50. Oct.1952. 99.82 W856
Tropical woods for veneers.

4476 HILF, H. H. Zur verwertung der buche und eiche, fragen der absatzgestaltung. Holz-Zentbl. 78: 1609-1610. Sept.27,1952. 99.81 H742
For veneers.

4477 HYLER, J. E. Glues and gluing. South. Lumberman 185(2318):41-44,46,48-50,52,56-57. Nov.1, 1952. 99.81 So82

4478 KITSON, E. Marquetry and veneers. London, Muller,1952? 79 p. 317 K64

4479 MAINE, A. B. Cold weather brings need for cold press vigilance. Veneers & Plywood 46(10):28. Oct. 1952. 99.8 V55

4480 METCALFE, L. S. Pressure—treatment of plywood widens uses in dairy construction. Amer. Dairy Prod. Rev. 14(10):26-27,31. Oct.1952. 44.8 Am37

4481 METCALFE, L. S. Pressure treatment of plywood widens uses in meat industry. Butchers' Advocate 132(12):10-11. Sept.17,1952. 286.85 B97

4482 MILLS, W. G. B. Progress in synthetic adhesives. Paint, Oil & Colour J. 122:519-520,522. (Concl.) Sept.5,1952. 306.8 Oi52
For wood.

4483 PERRY, T. D. Plywood is engineered wood. Mech. Engin. 74:787-796. Ref. Oct.1952. 291.9 Am3J

4484 QUALITY control and development of a precision material. Wood [London] 17:334-339. Sept.1952. 99.82 W855
Douglas fir plywood.

4485 ROACH, D. J. A scientific approach to wood. 6. Natural and synthetic resin adhesives and impregnants. 1. Timber News 60:434-436. Sept.1952. 99.81 T482

4486 ROHM & HAAS CO. RESINOUS PRODUCTS DIV. Uformite 400. Philadelphia,1952. 10 p. 99.79 R63

4487 VIART, F. Collage du bois par radiofréquence. II. Rev. du Bois 7(9/10):15-21. Sept./Oct.1952. 99.82 R32

4488 WIESEHUEGEL, E. G. Low grade hardwoods to laminated lumber. Canad. Woodworker 52(9):33,47,49. Sept.1952. 99.82 C162

Furniture

4489 GRAHAM, P. Proper selection and use of furniture hardwoods; hard hardwood species: rock elm. Furniture Mfr. 73(6):58,60-61,71. June 1952. 300.8 F982

4490 JOEL, D. Furniture timbers in relation to contemporary design. 4. Less usual timbers. Wood [London] 17:394-396. Oct.1952. 99.82 W855

Pulp and Paper

4491 ARONOVSKY, S. I., and LATHROP, E. C. Pulp and paper research at the Northern Regional Research Laboratory. Paper Mill News 75(38):92,94,96,126. Sept. 20,1952. 302.8 P195

4492 ATCHISON, J. E. European pulp and paper industry, its recovery and potential strength. Paper Indus. 34:857-859. Oct.1952. 302.8 P1923

4493 BARTUNEK, R. Uber kalicellulose und kaliumcellulosexanthogenat. Papier 6:356-358. Sept.5, 1952. 302.8 P1934

4494 BASBERG, A. Observations on the American pulp and paper industry by an engineer.' (In Norwegian.) Norsk Skogindus. 6:269-277,279-281. Sept.1952. 99.82 N81
English summary.

4495 BELL, G. E., and MARTIN, P. E. Bark removal. Canada Lumberman 72(10):64-65. Oct.1952. 99.81 C16
Sawmill waste for pulpwood.

4496 BELL, G. E. The handling and transportation of sawmill waste for pulpwood. Canad. Pulp & Paper Assoc. Woodlands Sect. Index 1269-E,14 p. June 1952. 99.8 W855

4497 BRUSEWITZ, H., ed. Paper and pulp makers 1952-1953. Directory of Sweden, Norway, Denmark and Finland. Ed. 19. Sweden,1952. 344 p. 302 P193Ae

4498 CANADIAN PULP AND PAPER ASSOCIATION. WOODLANDS SECT. Thirty-fourth annual meeting, proceedings, March 26-28, 1952 Montreal. Montreal, 1952. 32 p. 99.9 C166

4499 CHITTENDEN, A. E., COOMBER, H. E., and MORTON, D. Brachystegia wood from Tanganyika as a paper-making material. II. Colon. Plant & Anim. Prod. 2:292-296. 1951. 472 C71

4500 CONVERSE, C. W. Trends in semi-chemical pulping. Pulp & Paper Mag. Canada 53(10):160-161. Sept.1952. 302.8 P96

4501 COOLEY, E. C. Machine room and sulphite and product handling. Canad. Pulp & Paper Indus. 5(9):36, 38,40,42-43. Sept.1952. 302.8 W52

4502 EDGE, S. R. H. Pulp and paper. Soc. Chem. Indus. Rpt. Prog. Appl. Chem, 36:517-524. Ref. 1951. 382 M31R

4503 EDWARDS, V. P. Does waste sulfite liquor have recovery value? Wastes Engin. 23:515-516,572. Oct.1952. 449.8 M92

4504 FILBERG, R. J. Getting pulpwood for Elk Falls. Pulp & Paper Mag. Canada 53(10):182-184. Sept. 1952. 302.8 P96

4505 FOWLER, R. M. Pulp and paper from Canada. In Statist. Canada; economic survey, p.26-28. Ottawa, 1952. 280.13 St2

4506 FUNCKE, J. C. Uber die zukunft der chemiefasern. Papier 6:373-376. Sept.5,1952. 302.8 P1934

4507 GLENNIE, D. W., and SCHWARTZ, H. Pulpwood decay: effect on yield and quality. Paper Indus. 34: 738-740. Ref. Sept.1952. 302.8 P1923

4508 GREEN, J. W., and LEAF, R. L., JR. A study of the components of jack pine [Pinus banksiana] groundwood white water with special emphasis on the foam phenomenon. Tappi 35:468-480. Oct.1952. 302.8 T162

4509 JAYME, G., and WORNER, G. Uber ein neues alkalisches aufschlussverfahren von pflanzenstoffen. Papier 6:381-387. Sept.5,1952. 302.8 P1934

4510 JEMISON, G. M. The pulp and paper future of Idaho. Idaho Forester 34:32-35. 1952. 99.9 Id1

4511 JENKE, R. Zur pentosan- bzw. furfurolbestimmung in faserrohstoffen, zellstoffen, ablaugen, hydrolysaten und kondensaten. Papier 6:415-422. Oct. 1952. 302.8 P1934

4512 KOEPP, W. H., and HOOKER, L. W. Pulping and pulpwood research projects in northern Michigan. Paper Mill News 75(38):122-124. Sept.20,1952. 302.8 P195

4513 LØSCHBRANDT, F. Tropical fiber material for wood pulp. (In Norwegian.) Norsk Skogindus. 6:226-241. Aug.1952. 99.82 N81
English summary.

4514 MCALEAR, J. M. Advantages of automatic digester controls for alkaline pulping. Paper Mill News 75(42):84. Oct.18,1952. 302.8 P195

4515 MURTO, J. O. The Finnish wood as raw material for pulp and paper. (In Finnish.) Paperi ja Puu. B 34:301-306. (Cont.) Aug.25,1952. 302.8 P1991

4516 NOLAN, W. J., and BROWN, W. F. Effect of chip size in alkaline pulping. Tappi 35:425-432. Sept. 1952. 302.8 T162

4517 THE PULP and paper manual of Canada, 1952. Ed. 20. Gardenvale,Natl. Business P.,1952. 444 p. 302.8 P963

4518 RECENT results of pulp and paper research at the Forest Products Laboratory. Paper Mill News 75(38): 82,84,130. Sept.20,1952. 302.8 P195

4519 RITCHIE, J. L. United States requirements of wood pulp for papermaking. South. Pulp & Paper Mfr. 15(10-A):14,16-18,20. Oct.10,1952. 302.8 So8

4520 SENJU, R. Eine neue bestimmungsmethode von ligninsulfosäure in sulfitzellstoffablauge. Chem. Soc. Japan. B. 25:131-132. Apr.1952. 385 T57B

4521 STEVENSON, L. T. Growth and importance of the southern pulp and paper industry. South. Pulp & Paper Mfr. 15(10):215-219. Oct.1,1952. 302.8 So8

4522 THIESMEYER, L. R. Research and pulpwood production. J. Forestry 50:723-728. Oct.1952. 99.8 F768
Canada.

4523 U. S. DEPT. OF COMMERCE. World pulpwood and woodpulp statistics, 1925—1949, by J. J. Sullivan. Washington,1951? 154 p. 157.1 W89

4524 VOORN, H. In search of new raw materials. Paper Maker 21(2):1-14. Sept.1952. 302.8 P1952

4525 WACEK, A., and KRATZL, K. Chemie und holz; bericht einer Technical Assistance-studienreise nach den Vereinigten Staaten von november 1950 bis jänner 1951. Wien,1951. 71 p. Ref. (Die Studienreise; Schriftenreihe des Osterreichischen Produktivitäts-Zentrums) 302 W11

4526 WELLS, S. D. Alkaline pulping progress in 1951. South. Pulp & Paper Mfr. 15(10):42,46,48,50,52,54, 59,62-64,66. Ref., p.62-64,66. Oct.1,1952. 302.8 So8

4527 WELLS, S. D. Alkaline pulping progress in 1951. Tappi 35(10):42A,44A,46A,48A,50A,52A,54A,56A, 58A,60A,62A,64A,66A. Ref. Oct.1952. 302.8 T162

4528 WOLF, R. B., JR. Two control systems to help produce better paper, faster. Paper Mill News 75 (42):93,98. Oct.18,1952. 302.8 P195

4529 WORNER, G. Die erzeugung von zellstoff und holzschliff aus faserholz. Holz-Zentbl. 78:1615-1616. Sept.27,1952. 99.81 H742

4530 YONEZAKA, Y., KIKUCHI, F., and INOMATA, T. Studies on the pulp of sawdust. (In Japanese.) Rin-Go-Shiken-Hokoku 53:59-68. July 1952. 99.8 R47
English summary.

Chemical Products and Distillates

4531 ANDERSON, E., and HARRIS, L. The composition of silk oak [Grevillea robusta] gum. Amer. Pharm. Assoc. J. Sci. Ed. 41:529-531. Ref. Oct.1952. 396.9 Am33J

4532 BALLARD, B. Wood conservation in action. Tenn. Conserv. 17(9):5-7. Sept.1952. 410 T252
Charcoal manufacture.

4533 COATES, W. M. Camphor: natural and 'synthetic.' Perfumery & Essential Oil Rec. 43:331-335. (Cont.) Sept.1952. 308.8 P41

4534 COULSON, E. A. Tar and tar products. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:19-32. Ref. 1951. 382 M31R

4535 FERRO, L. Tanning and coloring substances of Cotinus in Venezia Giulia. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti. B. 28:359-367. Aug.1952. 303.8 It1

4536 FIDEL, C. M. Estudio sobre la composición y poder calorífico de los gases incondensables provenientes de la destilación destructiva de cuatro maderas argentinas. La Plata. U. Nac. Facul. de Cien. Quím. Rev. 24:97-105. Ref. 1949,pub.1952. 385 L31

4537 FLINN, E. S. Operation of a tannin extraction plant. Noeast. Wood Util. Council. B. 39:13-16. Sept. 1952. 99.9 N819
Includes trees.

4538 GERNGROSS, O., and GULBARAN, E. Gerbstoffanalytische untersuchungen an den borken der türkischen kiefernarten Pinus nigra, Pinus silvestris, Pinus pinea und Pinus brutia. Leder 3:169-174. Ref. Aug.1952. 303.8 L492
English summary.

4539 GERNGROSS, O., and GULBARAN, E. Das rinden-borken-gerbstoffproblem. Leder 3:205-210. Ref. Sept.1952. 303.8 L492

4540 GIACCAGLIA, A. U. Estudio del rendimiento de líquido piroleñoso en la destilación pirogenada de algunas maderas argentinas a diversas temperaturas. La Plata. U. Nac. Facul. de Cien. Quim. Rev. 24:79-85. Ref. 1949,pub.1952. 385 L31

4541 GONZALEZ, R. M. Contenido en materia curtiente en corteza de Acacia mollissima de la provincia de Buenos Aires. La Plata. U. Nac. Facul. de Cien. Quím. Rev. 24:177-183. 1949,pub.1952. 385 L31

4542 GRASSMANN, W., and ENDISCH, O. Halbmikro-methode zur bestimmung des gerb- und bindungswertes. Leder 3:211-213. Sept.1952. 303.8 L492
In vegetable and synthetic tanning materials.

4543 LAVIUZZA, O. L. Destilación destructiva de las maderas de quebracho blanco, algarrobo, urunday y guayacan, con miras a la obtención de carbon para siderurgia. La Plata. U. Nac. Facul. de Cien. Quím. Rev. 24: 107-109. Ref. 1949,pub.1952. 385 L31

4544 MARTIN, P. Tannin bearing species of N. S. W. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(3):8-11. Aug.1951. 99.9 N472T

4545 MULLER, O. A. Vergleichende bestimmung von gerb- und bindungswerten von pflanzlichen und synthetischen gerbstoffen und celluloseextrakten. Leder 3:174-177. Aug.1952. 303.8 L492
English summary.

4546 OTTO, G. On the non-tannin constituents of gambiers and on the specific action of the aromatic compounds forming complexes in chrome leather. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti. B. 28:351-358. Aug.1952. 303.8 It1

4547 ROGERS, J. S. Potential tannin supplies from domestic barks. Noeast. Wood Util. Council. B. 39:17-28. Ref. Sept.1952. 99.9 N819

4548 SAVARD, J. Le bois tropical, matière première de l'industrie chimique. Bois et Forets des Trop. 25: 313-322. Sept./Oct.1952. 99.8 B632
English summary.

Naval Stores

4549 BONNIN, A. Rapport moral de la nouvelle Union Corporative des Résineux sur la campagne 1951-1952. Bois et Résineux 34(1596):1,3. Aug.30,1952. 99.82 B63

4550 BONNIN, M. A. Gum production in France. Nav. Stores Rev. 62(29):18-20,24-25. (Cont.) Oct.18, 1952. 99.81 N22

4551 GIBSON, A. J. The pine forests of the Commonwealth as a source of rosin and turpentine. Empire Forestry Rev. 31:192-195. (Cont.) Sept.1952. 99.8 Em72

4552 KEKUKH, A. M. Podsochka sosny [Pine turpentining]. Kiev,Akademiia Nauk Ukrainskoi SSR,1951. 39 p. 99.77 K262

4553 MACHADO, D. P. Investigations on the increase of gum flow in the maritime pine, Pinus pinaster, through stimulation by sulphuric acid and other new tapping methods. I. Preliminary experiments and results. (In Portuguese.) Portugal. Dir. Geral dos Serv. Florestais e Aquicolas. P. 18:15-55. Ref. 1951. 99.9 P834
English summary.

4554 SHINGLER, G. P. Discoveries made during fire-still era. Nav. Stores Rev. 62(29):14,26-27. Oct.18, 1952. 99.81 N22

4555 SHINGLER, G. P. Distillation of turpentine by the "sound method." Nav. Stores Rev. 62(25):13,24-25. Sept.20,1952. 99.81 N22

4556 SPEH, C. F. Best days ahead for the naval stores industry. AT-FA Journal 14(12):5-8. Sept.1952. 309.8 Am3

4557 STRANGE, J. D. Participation in the Naval Stores Conservation Program. Nav. Stores Rev. 62(29): 15-16. Oct.18,1952. 99.81 N22

4558 STRANGE, J. D. The spiral gutter rossing tool. Nav. Stores Rev. 62(25):12,24. Sept.20,1952. 99.81 N22

4559 STRANGE, J. D. Spiral gutter rossing tool developed. AT-FA Journal 14(12):10. Sept.1952. 309.8 Am3

4560 STRANGE, J. D. Use of Naval Stores Conservation Program increases. Forest Farmer 11(12):10. Sept.1952. 99.8 F7692

Other Forest Products

4561 BEHM, R. D. Resins extend the forests. Modern Plastics 30(2):100-104,191-192. Oct.1952. 309.8 P69
Plastics.

4562 BRYAN, A. E. Christmas trees from Canada. Foreign Trade 12(302):4-5. Oct.11,1952. 286.8 C162

4563 CARNEIRO, A. E. Comparative study of corkboard with other insulating materials. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 14:244-249. (Concl.) July 1952. 309.9 J96
English summary, p. XLVII.

4564 CHAIR backs from wood chips; waste wood utilization process, developed by Indiana firm, uses uformite resin to bond shredded wood into strong, durable boards. Furniture Mfr. 73(10):10-12,51. Oct.1952. 300.8 F982

4565 CLOSE, P. Simpson roof slab proves big help to builders. Simpson Lookout 6(9):4-5. Sept.1952. 99.81 Si5
Insulation board.

4566 FITZGERALD, O. A. Christmas tree farming. Amer. Forests 58(10):12-13. Oct.1952. 99.8 F762

4567 HIRSCH, J. Die bürstenhölzer-fabrikation. Internatl. Holzmarkt 43(18):25-26. Sept.6,1952. 99.81 In82

4568 HODGE, F. J. A Christmas tree. Mich. Conserv. 21(6):13-15. Nov./Dec.1952. 279.9 M582

4569 KOLLMANN, F. Erzeugung und eigenschaften von holzspanplatten. Internatl. Holzmarkt 43(15):8-10. July 26,1952. 99.81 In82

4570 MARTIN, S. C. Cork insulation and its application in the brewery. Brewers Digest 27(9):78-80. Sept.1952. 390.8 B75

4571 OLIVEIRA, C. M. DE. Portuguese corkboard. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 14:265-268. (Cont.) Aug.1952. 309.9 J96
English summary, p. LII-LIV.

4572 PARKIN, T. N. Plastics from natural polymers. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36: 570-583. Ref. 1951. 382 M31R

4573 POWERS, G. E. Dense wood opens new markets. Wood & Wood Prod. 57(10):30-31,52. Oct.1952. 99.82 W856

4574 RIBAS-MARQUÈS, I. Étude sur la constitution chimique du liège. Chim. & Indus. 68:333-350. Ref. Sept.1952. 383 C42

4575 ROHM & HAAS CO. RESINOUS PRODUCTS DIV. Uformite resins in chipcore manufacture. Philadelphia,1952. 5 p. 99.77 R632

4576 RUBENS, E. La fabricación de materiales de construccion a partir de desperdicios de maderas chilenas. Rev. Forest. Chilena 2:338-341. Apr.1952. 99.8 R3292

4577 U. S. EXTENSION SERV. State publications on Christmas trees, by A. M. Sowder. Washington,1952. 1 p. 1.913 F2St22

WOOD TECHNOLOGY

4578 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. The isolation of the cellular kino of jarrah (Eucalyptus marginata Sm.), by W. E. Hillis and G. Ho. South Melbourne,1952. 8 p. Ref. (Sub-Project C.7-6, Progress Report 4) 309 Au7

4579 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Minor constituents of various tree tissues, by W. E. Hillis. South Melbourne,1952. 24 p. Ref. (Its Sub-Project C.7-7, Progress Report 1) 99.79 Au7Ex

4580 BJORKQVIST, K. J., and JORGENSEN, L. Identification of galactose and rhamnose in birchwood and aspenwood. Acta Chem. Scand. 6:800. 1952. 385 Ac82

4581 CAMPBELL, W. G., and MCDONALD, I. R. C. The chemistry of the wood cell wall. II-III. Chem. Soc. J. Aug.1952:3180-3186. 382 L84J

4582 DESFORGES, J. L'hydrolyse du bois par le procédé A. Héreng. Chim. & Indus. 68:537-538. Oct. 1952. 383 C42

4583 ELLERTON, J. R. Tests on behaviour of British Guiana wallaba. Timber News 60:437-438. (Cont.) Sept.1952. 99.81 T482
Eperua species.

4584 FINLAND. VALTION TEKNILLINEN TUTKIMUS LAITOS. The State Institute for Technical Research. Helsinki,1952. 28 p. 330.9 F49S
Includes wood technology and food research.

4585 FRANZESE, T. A. Estudio del fraccionamiento de diversos alquitranes obtenidos en la destilación destructivas de maderas argentinas a distintas temperaturas. La Plata. U. Nac. Facul. de Cien. Quím. Rev. 24: 87-95. Ref. 1949,pub.1952. 385 L31

4586 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH BOARD. Identification of hardwoods, a lens key. Gt. Brit. Dept. Sci. & Indus. Res. Forest Prod. Res. B. 25,120 p. 1952. 99.9 G796B

4587 HEUSER, E. The high points in the development of cellulose chemistry since 1876. J. Chem. Educ. 29:449-453. Sept.1952. 381 J826

4588 JANSSONIUS, H. H. Key to the Javanese woods on the basis of anatomical features; with reference to Mikrographie des Holzes der auf Java vorkommenden baumarten (Micrography of the Javanese woods). Leiden, Brill,1952. 244 p. 463.4 J26Ae

4589 JONES, J. K. N., and WISE, L. E. The hemicelluloses present in aspen wood (Populus tremuloides.) II. Chem. Soc. J., Sept.1952:3389-3393. 382 L84J

4590 LAPPI-SEPPALA, M. Männyn sydänpuusta ja runkomuodosta. Uber verkernung und stammform der kiefer. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(25),26 p. Ref. 1952. 99.9 F493
German summary.

4591 MENTZER, C., and PACHÉCO, H. Sur quelques nouveaux constituants des extraits de bois. Soc. de Chim. Biol. B. 34:576-585. Ref. 1952. 383 So1

4592 OSLO. NORSK TRETEKNISK INSTITUTT. Beretning og regnskap. Annual report. 1951. Oslo,1952. 25 p. 99.9 Os5
English summary.

4593 RANBY, B. G. Quelques points de vue sur les fibres de la cellulose de bois et leur emploi technique. Assoc. Tech. de l'Indus. Papetiere. B. 6:78-89. Ref. June 1952. 302.9 As5

4594 RANBY, B. G. Structure fine, cristallinité et reactions de la cellulose. Assoc. Tech. de l'Indus. Papetière. B. 6:67-78. June 1952. 302.9 As5

4595 RIPLEY-DUGGAN, B. A. Adsorption by wood from aqueous solutions. I. Adsorption of barium chloride, sodium chloride, and of water. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:1-12. July 1952. 514 N48B

4596 RITTER, G. J. The chemistry and chemical utilization of beech [Fagus grandifolia]. Beech Util. Ser. 4,17 p. Ref. June 1952. 99.79 N815

4597 SAKATA, K., and KISHIMOTO, J. On the measurement of moisture content by a "Kett" timber moisture gauge. I. (In Japanese.) Tottori Soc. Agr. Sci. Trans. 9:84-86. Dec.30,1951. 513 T64
English summary.

4598 SCIPIONI, A. Lignin and derivatives. I. (In Italian.) Ann. di Chim. 42:540-552. July/Sept.1952. 385 An7

4599 LE SIPO [Entandrophragma utile] variété d'acajou d'Afrique. Bois et Forets des Trop. 25:323-328. Sept./Oct.1952. 99.8 B632
English summary.

4600 STAUDINGER, H. Les solutions colloidales des celluloses et de leurs dérivés. Assoc. Tech. de l'Indus. Papetière. B. 6:89-103. Ref. June 1952. 302.9 As5

4601 STAUDINGER, M. Sur la structure macromoléculaire ou micellaire des celluloses solides. Assoc. Tech. de l'Indus. Papetière. B. 6:103-119. Ref. June 1952. 302.9 As5

4602 TRUMAN, R. X-ray pole inspection. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(3):12-13. Aug.1951. 99.9 N472T

4603 WENGE [Millettia laurentii]. Bois et Forets des Trop. 25:329-332. Sept./Oct.1952. 99.8 B632

Properties and Structure

4604 CARLSSON, B., and others. The chemistry of the natural order Cupressales. VIII. Acta Chem. Scand. 6:690-696. Ref. 1952. 385 Ac82
H. Erdtman, A. Frank, and W. E. Harvey, joint authors.

4605 GORCZYŃSKI, T. Anatomical-comparative studies on the beech wood (Fagus silvatica L.). (In Polish.) Polskie Towar. Bot. Sekcja Dendrol. Rocz. 7:3-114. Ref. 1951. 99.9 P76
English summary.

4606 HOLDHEIDE, W., and HUBER, B. Ahnlichkeiten und unterschiede im feinbau von holz und rinde. Holz als Roh- u. Werkst. 10:263-268. Ref. July 1952. 99.81 H74

4607 JANE, F. W. The structure of timbers of the world. Timber News 60:429-431. (Cont.) Sept.1952. 99.81 T482

4608 KOHARA, J. Studies on the durability of wood. I. Mechanical properties of old timbers (Horyuji Temple construction timbers Chamaecyparis obtusa Endlicher). (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:116-131. Ref. Mar.1952. 22.5 K993
English summary.

4609 KOLLMANN, F. Uber die abhängigkeit einiger mechanischer eigenschaften der hölzer von der zeit, von kerben und von der temperatur. 3. Die bedeutung der temperatur für die elastizität und festigkeit des holzes. Holz als Roh- u. Werkst. 10:269-279. Ref. July 1952. 99.81 H74

4610 KONIG, E. Farbe und zeichnung des holzes. Norddeut. Holzwirt. 6(36):1-2. (Cont.) Sept.4,1952. 99.82 N75

4611 LYNCH, C. The physical properties of Australian timbers. A report on current research by the Forest Products Division of the Australian Scientific and Industrial Research Organisation. Wood [London] 17:382-383. Oct.1952. 99.82 W855

4612 MIYAJIMA, H. Hardness test of wood, 8 species of broad-leaved trees in Hokkaido. (In Japanese.) Hokkaido U. Col. Agr. Col. Expt. Forests. Res. B. 15: 263-301. Ref. 1952. 99.9 H68
English summary.

4613 NATIONAL SAWMILLING ASSOCIATION. The British sawmilling classification of timbers, 1951. London,1951. 116 p. 99.79 N214

4614 NEARN, W. T., and NORTON, N. A. Strength properties of laminated yellow poplar beams tested green and air dry. Pa. State Forest Sch. Res. Paper 18,8 p. July 25,1952. 99.9 P386

4615 PAUL, B. H., and DROW, J. T. Some physical and mechanical properties of American beech [Fagus grandifolia]. Beech Util. Ser. 1,17 p. Oct.1951. 99.79 N815

4616 WELLWOOD, R. W. The effect of several variables on the specific gravity of second-growth Douglas fir. Forestry Chron. 28(3):34-42. Ref. Sept. 1952. 99.8 F7623

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

4617 AVANZA, L. Ventajas de la inseminación artificial bajo la organización cooperativa. Rev. SanCor 11(113):28-30. (Concl.) June/July 1952. 280.28 R322
Argentina.

4618 BONADONNA, T. Comments on the law on artificial insemination. (In Italian.) Prog. Vet. 7:559-560. Sept.1,1952. 41.8 P942

4619 BONADONNA, T. The new headquarters of the "L. Spallanzani" Italian Experimental Institute for Artificial Insemination. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statis. 5(6):5-9. June 1952. 280.9 M587B

4620 BONADONNA, T. Scientists, technicians and breeders gather at Sanremo for controlling sterility and lowered fertility. (In Italian.) Latte 26:438. Sept.1952. 44.8 L35

4621 BONADONNA, T. Scientists, technicians, and breeders in relation to the control of sterility and lowered fertility. (In Italian.) Prog. Vet. 7:576,578. Sept.1, 1952. 41.8 P942

4622 BRIQUET JUNIOR, R. The problem of animal genetics. (In Portuguese.) Lav. e Criaçao 13(6):47-48. June 1952. 49 L392

4623 CHIEFFI, A. What artificial insemination is. (In Portuguese.) Lav. e Criação 13(6):28. June 1952. 49 L392

4624 GARCIA MOYA, P., and TRELIEZ ROLDAN, R. Ventajas e inconvenientes de la inseminación artificial. Balearic Isl. Diputación Prov. B. de Agr. 95:6-7. Aug.1952. 15 B19

4625 GRAMANN. Hauptkörung paderborn 1952. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1657-1658. Oct.9,1952. 18 L2346

4626 HAGEDOORN, A. L. A geneticist talks with Australian animal breeders. Melbourne,Commonwealth Sci. & Indus. Res. Organ.,1951. 79 p. 40 H122G

4627 KOCH, P. Erbmängel und sterilität. Berlin. u. Münch. Tierärztl. Wchnschr. 65:196-198. Sept.1952. 41.8 B45

4628 KOMISSAROV, S. State breeding stations and their role in improving the livestock of collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(8):32-33. Aug. 1952. 281.8 K83

4629 MAULE, J. P. The improvement of livestock in India and Pakistan.II. Pakistan. Brit. Agr. B. 5:172-176. Sept.1952. 10 B776
Breeds and breeding.

4630 MILOVANOV, V. K. Teaching on the vitality [of organisms] as applied to farm animals. (In Russian.) Agrobiologiîa 3:3-26. Ref. May/June 1952. 20 Ag822
T. D. Lysenko's theory

4631 NISHIKAWA, Y., and WAIDA, Y. Studies on the maturation of spermatozoa. I. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:69-81. Ref. Mar. 1952. 49.9 C434.
English summary and tables.

4632 PATOW, C. VON. Bericht über die fortschritte der forschungen auf dem gebiete der tierzucht seit 1945; Landwirtschaftlicher Forschungsrat Stuttgart-Hohenheim. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 7,28 p. Ref. 1951. 18 G312S

4633 POHL, A. Die züchterische bedeutung der künstlichen besamung. Bauer 5(33):2-5. Sept.27,1952. 19 B32

4634 PREOBRAZHENSKII, B. V. On measures for decreasing sterility in northern reindeer. (In Russian.) Sovet. Zootekh. 7(5):92-95. May 1952. 49 So822

4635 REISENBICHLER, K. Zuchtauslese. Bauer 5(30):5-8. Sept.6,1952. 19 B32
Livestock selection in Austria.

4636 RINCK, F. Das neue tierzuchtgesetz. Gesetzestext, durchführungsverordnungen des bundes, durchführungsbestimmungen sowie anordnungen der länder, grundregeln der Deutschen Landwirtschaftsgesellschaft mit systematischer einführung. Stuttgart,Kohlhammer, 1951. 119 p. 40 R473

4637 ROYAL AGRICULTURAL SOCIETY OF NEW ZEALAND. Reports of annual conference of A. & P. associations and breed societies, council meeting, annual conference of United Breed Societies' Association and annual meeting, held at Massey Agricultural College, Palmerston North, on 24th, 25th, 26th June, 1952. Roy. Agr. Soc. New Zeal. Gaz. 75,31 p. July 6,1952. 23 R813G

4638 VUJOVIĆ, R., and MARKOVIĆ, B. Suzbijanje neplodnosti domaćih životinja [Combating sterility in domestic animals]. Beograd,Socijalisticka Poljoprivreda,1951. 86 p. 41 V97

4639 WINNIGSTEDT, R. Wissenschaft und praktische tierzucht. Tierzüchter 4:533-534. Nov.5,1952. 49 T445

4640 WOLF. Nichts übereilen! Kritische betrachtungen zur künstlichen besamung. Allgäuer Bauernbl. 20: 489-490. Sept.4,1952. 18 AL53

FEEDS AND FEEDING

4641 ALLAN, R. E. A., and DICKINSON, A. B. A report on variation in pH and microscopical count of bacteria in a pit of grass silage. Soc. Appl. Bact. Proc. 14: 165-168. Oct.1951,pub.Oct.1952. 448.39 So12

4642 ASHCROFT, E. Grange farm. Milk Indus. 33(3):77-82. Sept.1952. 44.8 M593
Use of sprouted grain as feed.

4643 BAUR, M. Einige hinweise für die gärfutterbereitung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 1565-1566. Sept.25,1952. 18 L2346

4644 BETHKE, R. M. How much soybean oil meal can we use? Soybean Digest 12(11):49. Sept.1952. 60.38 So9
For feed.

4645 BETHKE, R. M. Practical nutrition research. East. Feed Merchant 3(10):42,44-45,81. Oct.1952. 389.78 Ea7

4646 BIRD, H. R. What have we learned about antibiotics and arsenicals in feeds? Feedstuffs 24(41): 18,20-22. Oct.11,1952. 286.81 F322

4647 BLIN, H. Importance du tassement et de la pression dans l'ensilage des fourrages verts. Agr. Prat. 116:448. Sept.1952. 14 J82

4648 BOHSTEDT, G. Livestock nutrition—older and newer facts. Grain & Feed J. Consolidated 109(8): 22-23. Oct.22,1952. 298.8 G762

4649 BOLOBOLOVA, V. M. Nutritive value of forest vetch [as feed]. (In Russian.) Sovet. Zootekh. 7 (4):105-107. Apr.1952. 49 So822

4650 BONDI, A., and BIRK, Y. A difference in in vitro pancreatic digestion between animal and plant protein feeds. Nature [London] 170:673. Oct.18,1952. 472 N21

4651 BRACKETT, S. The use of drugs in animal feeding. Feedstuffs 24(43):52,54-56. Oct.25,1952. 286.81 F322

4652 BRINEGAR, T. Texas holds giant nutrition conference. Feed Age 2(11):38-41,48-49. Nov.1952. 389.78 F327

4653 BRÜGGEMANN. Die bewertung von künstlichem trockengut. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1283-1284. Aug.21,1952. 18 L2346

4654 BUENO, P. Observations on animal nutrition. (In Portuguese.) Soc. Rur. Bras. Rev. 32(378):62. July 1952. 9.2 B733

4655 CHEVREL, J. Les A. P. F. dans l'alimentation animale. Indus. de l'Aliment. Anim. 22:17-18. May 1952. 389.78 In2

4656 CIDRAES, A. G. The Azores, suitable area for the production of forage. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 8(16):63-74. Second Semes.1952. 15 Az6

4657 CINQUIN. Quelques considérations sur l'alimentation du bétail en été. Rev. Agr. de l'Afrique du Nord 50:535-538. Aug.22,1952. 80 R326

4658 COATES, M. E. The mode of action of antibiotics. Feed Age 2(11):36-37,58. Nov.1952. 389.78 F327
Effects on livestock.

4659 COLIN, M. Utilisation de la vitamine B12 et de l'aureomycine dans l'alimentation des animaux. (Sum.) Indus. de l'Aliment. Anim. 21:11. Apr.1952. 389.78 In2

4660 COOK, C. W., and HARRIS, L. E. Nutritive value of cheatgrass and crested wheatgrass on spring ranges of Utah. J. Range Mangt. 5:331-337. Sept.1952. 60.18 J82

4661 COOLEY, M. L. Report on vitamin A in mixed feeds. Assoc. Off. Agr. Chem. J. 35:706-715. Aug.15, 1952. 381 As7

4662 CRAMPTON, E. W. High protein feeds and their rational use. Canad. Milling & Feed 33(8):13-14, 33. Aug.1952. 298.8 C162

4663 CREAC'H, P. Rôle, avantages et inconvénients des farines de poissons. Études d'Outre Mer 35:241-254. July/Aug.1952. 286.8 M35
Feed.

4664 CROUZIER, J. P. L'utilisation du maïs-grain à la ferme. Ecole Supér d'Agr. et de Viticult. B. Mens. 30:21-24. Feb.1952. 275.9 An4
As feed.

4665 DELAGE, J. Un facteur physiologique externe de la production de la viande: l'alimentation. Ann. de la Nutr. et de l'Aliment. 6:C223-C253. Ref. 1952. 389.8 An73
Includes discussion.

4666 EBBESEN, E. Beet tops as feed or fertilizer. (In Danish.) Dansk Landbr. 71:460. Sept.25,1952. 280.28 V91

4667 EDWARDS, J. C. Report on mineral constituents of mixed feeds. Assoc. Off. Agr. Chem. J. 35:559-566. Aug.15,1952. 381 As7

4668 ETHEREDGE, M. P. Report on feeding stuffs. Assoc. Off. Agr. Chem. J. 35:551-552. Aug.15,1952. 381 As7

4669 FERRANDO, R. L'utilisation de la viande et de ses sous-produits dans l'alimentation des animaux. Ann. de la Nutr. et de l'Aliment. 6:C353-C374. Ref. 1952. 389.8 An73

4670 FLIEG, O. Zur frage der gärfutterbewertung. Landwirt. Forsch. 3:169-176. 1952. 18 L2333

4671 FREITAS, H. DE. Feeding stock in dry seasons. (In Portuguese.) Lav. e Criação 13(6):30-31. June 1952. 49 L392

4672 GATES, R. L., and SANDSTEDT, R. M. Effect of a cationic detergent on the digestion of raw cornstarch in vitro. Science 116:482-483. Oct.31,1952. 470 Sci2
With reference to livestock nutrition.

4673 GERICKE, S. Das spurenelement fluor in der tierernährung. Ed. 2. Essen,Tellus-Verlag,1951. 8 p. 389.7 G313

4674 GIESECKE, F. Fütterungs- und sicherungszusätze auch auf der weide. Deut. Landwirt.-Gesell. Mitt. 67:637-638. Sept.6,1952. 18 N39

4675 GONÇALVES, P. A. The value of rice bran in livestock feeding. (In Portuguese.) Lav. Arroz. 6(66):11-12,14-16,18-20,22. June 1952. 59.8 L39

4676 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Hay, its making and feeding. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 395,7 p. July 1952. 10 G79La

4677 HÄFELE, W. Wie können wir uns in der futternot helfen? Bauern-Ztg. 5(37):3. Sept.12,1952. 18 B324
Livestock feeding.

4678 HAYWARD, J. W. Evaluation of molasses as a feed supplement. Feedstuffs 24(40):76-77,79. Oct.4,1952. 286.81 F322

4679 HEISIG, C. P. The protein deficit in livestock feeding in the United States. Soybean Digest 12(11):67-68, 70. Sept.1952. 60.38 So9

4680 HENNAUX, L., ANTOINE, A., and SEILLEUR, P. La germination rapide des grains et leur valeur alimentaire. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:244-250. 1951. 105.1 G285
Germination for feed.

4681 HERIN, V. Ensilage des fourrages verts. Belgium. Min. des Colon. B. Agr. du Congo Belge 43: 817-826. Sept.1952. 24 K83

4682 HERNÁNDEZ, E. Los silos dan dinero; lea las opiniones de importantes ganaderos sobre la utilidad de los silos. P. R. Agr Col. Ext. Fol. Z-4,6 p. Aug. 1951. 275.29 P96Fz

4683 HØIE, J. Antibiotics. (In Norwegian.) Norsk Landbr. 18:358-361. (Cont.) Oct.10,1952. 11 N8122
In animal nutrition.

4684 HOLLAND, Y. Your tops will pay your taxes! Sugar Beet 10(7):16-17. Sept.1952. 66.8 Su34B

4685 HUFFMAN, C. F., DEXTER, S. T., and DUNCAN, C. W. Coefficients of digestibility of immature alfalfa, Ladino clover, timothy and quackgrass [Agropyron repens] hays. Mich. Agr. Expt. Sta. Q. B. 35:16-24. Ref. Aug.1952. 100 M58S

4686 HUNTER, J. E. Animal and poultry nutrition. Flour & Feed 53(5):8. Oct.1952. 298.8 F66

4687 HUSTICH, I. The lichen woodlands in Labrador and their importance as winter pastures for domesticated reindeer. Acta Geog. 12(1),48 p. Ref. 1951. 511 H367A

4688 JAMESON, D. A. Nutritive value of browse on Montana winter ranges. J. Range Mangt. 5:306-310. Ref. Sept.1952. 60.18 J82

4689 JESSEN, W., and SCHWERDT, K. Einsäuerungsversuche mit neueren gärfuttersicherungsmitteln. Landwirt. Forsch. 2:119-125. 1951. 18 L2333

4690 KEDDIE, R. M. The enumeration of Lactobacilli on grass and in silage. Soc. Appl. Bact. Proc. 14: 157-160. Oct.1951,pub.Oct.1952. 448.39 So12

4691 KRAUTZER. Saftfutter im zeitlichen frühjahr. Kärntner Bauer 102:529-530. Oct.1,1952. 19 K14

4692 KRIEGER, C. H. Report on vitamin B_{12} microbiological method. Assoc. Off. Agr. Chem. J. 35: 726-736. Aug.15,1952. 381 As7
In feed.

4693 KRUPP, T., and HUBER. Nochmals: zum kohlensäureverfahren. Landwirt. Z. der Nord-Rheinprov. 119:998-999. Sept.13,1952. 18 L2344
In manufacture of sugar beet silage.

4694 KUMMER, H., and POLHEIM, P. VON. Wertbeurteilung und qualität der luzerneheumehle und luzernegrünmehle. Württemb. Wchnbl. f. Landwirt. 119: 834-836. Sept.13,1952. 18 W96
Nutritive value.

4695 LECOMTE, R. Quelques problèmes d'alimentation. Rev. de l'Agr. 5:837-841. Aug.1952. 13 R322
Livestock.

4696 LEWIS, L. H. State needs feed for livestock industry; tables show minimum recommendations. Fla. Poultry & Farm J. 18(9):14,17. Sept.1952. 47.8 F66

4697 LOFGREEN, G. P., MEYER, J. H., and WEIR, W. C. High-protein feed; lamb and steer feeding trials show beet by-product satisfactory. Calif. Agr. [Calif. Sta.] 6(8):6. Aug.1952. 100 C12Cag
A new beet by-product, MC-47.
Similar title in Calif. Cattleman, Oct.1952:20,22. 43.8 C12

4698 LOY, H. W., JR. Report on pantothenic acid, microbiological method. Assoc. Off. Agr. Chem. J. 35: 722-726. Ref. Aug.15,1952. 381 As7
In feed.

4699 MABBITT, L. A. The rôle of plant cells in the ensilage process: an approach to the problem. Soc. Appl. Bact. Proc. 14:147-150. Oct.1951,pub.Oct.1952. 448.39 So12

4700 MCCLYMONT, G. L. Specific dynamic action of acetic acid and heat increment of feeding in ruminants. Austral. J. Sci. Res. Ser. B: Biol. Sci. 5:374-383. Aug. 1952. 442.8 Au72

4701 MANGOLD, E. L. K. W. F. Wege zur steigerung der eiweissversorgung in der tierernährung. Deut. Akad. der Wiss. Kl. f. Med. Wiss. Sitzber. 1, 23 p. Ref. 1951. 389.7 M31W

4702 MEDNIS, fA. A. Processing of straw and chaff for livestock [feeding]. (In Russian.) Sotsialist. Zhivotnovod. 14(3):22-23. Mar.1952. 49 So71

4703 MERWIN, R. T. Report on sulfa drugs in feeds. Assoc. Off. Agr. Chem. J. 35:552-559. Aug.15, 1952. 381 As7

4704 MOLEN, VAN DER. Gärfutter- und halbheubereitung in den Niederlanden. Deut. Landwirt.-Gesell. Mitt. 67:674-675. Sept.20,1952. 18 N39

4705 MORIMOTO, H. Shiryo pocket book [Fodder pocket book]. Tokyo,Sangyo Tosho,1951. 159 p. 389.7 M822

4706 MORIMOTO, H., and KURATA, Y. Studies on the preparation of the sweet-potato-silage. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:165-170. July 1952. 49.9 C434
English summary.

4707 MORRISON, F. B. Protein feeds for livestock. Rur. New-Yorker 102:546,565. Sept.6,1952. 6 R88

4708 MOUSTGAARD, J. Antibiotics. (In Danish.) Dansk Pelsdyravl 15:243-244. Sept.1,1952. 412.628 D23
In animal nutrition.

4709 NEHRING, K. Die gärfutterbereitung der wichtigsten zwischenfrüchte und des rübenblattes. Deut. Landwirt. 3:469-474. Sept.1952. 18 D4822

4710 NEHRING, K., and SCHRAMM, W. Uber die verfütterung von rapsrückständen. II-III. Landwirt. Forsch. 2:126-144; 4:133-146. Ref. 1951-1952. 18 L2333

4711 NEW HOLLAND MACHINE CO. NEW HOLLAND, PA. Indoor pasture. New Holland? 1952. 16 p. 60.1 N452I
Corn and grass silage manufacture and equipment.

4712 NYS, L. L'étuvage et l'ensilage des tubercules. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19: 327-363. 1951. 105.1 G285
Potatoes.

4713 OSTAPKO, S. Preparation of high quality silage. (In Russian.) Kolkhoz. Proizvodstvo 12(6):34. June 1952. 281.8 K83

4714 PERUCHON DE BROCHARD, J. Supresión de las diarreas y reducción de la mano de obra por la distribución de alimentos compuestos secos. Reus Avic. 1:73. July 1,1952. 47.8 R31

4715 PFULB, K. Das herbstfutter richtig nutzen! Württemb. Wchnbl. f. Landwirt. 119:899. Oct.4,1952. 18 W96

4716 PHILLIPS, P. H. Trace minerals in livestock feeding. Flour & Feed 53(5):14. Oct.1952. 298.8 F66

4717 PIGDEN, W. J., and STONE, J. E. The effect of ruminant digestion on forage lignin. Sci. Agr. 32: 502-506. Ref. Sept.1952. 7 Sci2

4718 PORTER, W. H. Plan for winter feeding now. West. Livestock J. 30(48):141-143,145. Aug.15,1952. 6 F2278

4719 PRELLER, J. H. The value of veldgrass hay. Farming So. Africa 27:343-346. July 1952. 24 So842

4720 PRIEMYSHEV, G. A. Mineral feeding of livestock. (In Russian.) Sotsialist. Zhivotnovod. 14(3):24-25. Mar.1952. 49 So71

4721 QUACKENBUSH, F. W. Report on carotene. Assoc. Off. Agr. Chem. J. 35:736-740. Aug.15,1952. 381 As7
In alfalfa meal.

4722 RANDOIN, L., HUGOT, D., and CAUSERET, J. La détermination, par la méthode biologique de l'activité vitaminique A des aliments du betail. Indus. de l'Aliment. Anim. 22:9-11. May 1952. 389.78 In2

4723 RICHTER, K., and BECKER, M. Die ernährung der landwirtschaftlichen nutztiere. Handb. der Landwirt. 3:337-356. (Cont.) 1951. 30 H193

4724 RICHTER, K., and CRANZ, K. L. Gemeinsame einsäuerung von rohen zuckerrüben und gedämpften kartoffeln. 2. Deut. Landwirt.-Gesell. Mitt. 67:704-705. Oct.2,1952. 18 N39

4725 ROSENBERGER, R. F. The development of methods for the study of obligate anaerobes in silage. Soc. Appl. Bact. Proc. 14:161-164. Ref. Oct.1951,pub. Oct.1952. 448.39 So12

4726 RUPP, R. G. Feeding grass silage. Farmer [St. Paul] Gen. Ed. 70(18):1,66-67. Sept.20,1952. 6 F2211

4727 SCHARRER, K., SCHREIBER, R., and KÜHN, H. Vergleichende silierversuche mit verschiedenen formiaten und oxalsäure. Landwirt. Forsch. 4:59-73. 1952. 18 L2333

4728 SCHULZE, W. Grünkraftfutter—jetzt doch gepresst. Deut. Landwirt.-Gesell. Mitt. 67:624. Aug. 30,1952. 18 N39

4729 SEBELIUS, H., and ZETTERBERG, G. Feed value of hay. (In Swedish.) Lantmannen 36:816. Oct.11, 1952. 11 L234

4730 SEITOV, V. Fattening [of livestock] activities are being extended. (In Russian.) Mîasnaîa Indus. SSSR 23(3):57-58. May/June 1952. 50.8 M58

4731 SENGER, H. Die rübenblattverfütterung. Deut. Landwirt. 3:465-467. Sept.1952. 18 D4822

4732 SHEEHY, E. J. Barley and oats into livestock products. Agr. Ireland 9:228-229. Oct.1952. 10.5 Ag8

4733 SIMS, A. J. For those short of feed. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 67(11):16,126. Nov.1952. 6 P945K
Winter feeding.

4734 SMITH, F. L., and DAVIS, L. L. Silage, silage crops and silos. Calif. Agr. Expt. Sta. C. 411,27 p. Apr. 1952. 100 C12S

4735 SMITH, S. E. What you should know about livestock minerals. Successful Farming 50(10):46-47,148, 150-152. Oct.1952. 6 Su12

4736 SOBACHENKOV, P. Preparation of silage from vegetable wastes and aftermath of grasses. (In Russian.) Kolkhoz. Proizvodstvo 12(8):37-38. Aug.1952. 281.8 K83

4737 SOLUN, A. S. Principles of the methods of full-value standardization of farm animal feeding. (In Russian.) Sovet. Zootekh. 7(4):47-59. Apr.1952. 49 So822

4738 SPEER, W. Einsäuerung von angewelktem grünfutter. Landwirt. Forsch. 2:111-119. 1951. 18 L2333

4739 SPITZER R. R. Useful facts for feed men about antibiotics, arsenicals. Feedstuffs 24(44):42-44, 46-47. Nov.1,1952. 286.81 F322

4740 STIRLING, A. C. Bacterial changes in experimental laboratory silage. Soc. Appl. Bact. Proc. 14: 151-156. Oct.1951,pub.Oct.1952. 448.39 So12

4741 TALLARICO, G. The value of green feed in the heat of summer. (In Italian.) Allevatore 8(35):3-4. Aug.31,1952. 49 AL55

4742 TASCH. Fütterungsfragen im westfälischen raum. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 1691-1692. Oct.16,1952. 18 L2346

4743 TOLLE, C. D. Report on vitamins. Assoc. Off. Agr. Chem. J. 35:705-706. Aug.15,1952. 381 As7
In feed.

4744 USUELLI, F., and PIANA, G. Research and observations on the use of vitamins for livestock. (In Italian.) B. dell'Agr. 86(31):1-2,(35):1-2. Aug.1,Sept.12, 1952. 16 B87

4745 VAN VLACK, C. H. Making ear-corn and shelled corn silage. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:38. Sept.1952. 275.28 Io94

4746 VORHAUER. Möglichkeiten der blattsilierung. Landwirt. Z. der Nord-Rheinprov. 119:1024-1025. Sept.20,1952. 18 L2344

4747 WACKER. Die bedeutung des freigärhaufens für die grünlandwirtschaft. Landwirtbl. Weser-Ems 99:857-858. Aug.28,1952. 18 L2345

4748 WACKER. Zuckerrüben als sicherung bei einsäuerung eiweissreichen futters. Landwirtbl. Weser-Ems 99:947-948. Sept.18,1952. 18 L2345

4749 WAKELAM, J. A. Vitamin B_{12} and antibiotics in animal nutrition. Mfg. Chem. 23:375-378. Ref. Sept. 1952. 396.8 M31

4750 WARMKE, H. E., FREYRE, R. H., and MORRIS. M. P. Studies on palatability of some tropical legumes. Agron. J. 44:517-520. Oct.1952. 4 Am34P

4751 WEBER, E. M., LUTHER, H. G., and REYNOLDS, W. M. Antibiotics as animal-growth stimulants. World Health Organ. B. 6:149-161. Ref. 1952. 449.9 W892B

4752 WOODWORTH, G. O. Garbage and rendering plants. Oreg. Dept. Agr. Agr. B. 175:22. Sept.1952. 2 Or3
Inspection of garbage feeding establishments and rendering plants.

VETERINARY MEDICINE

4753 ABELE, A. Kommt das unheil aus der erde? Bauern-Ztg. 5(38):5,19. Sept.19,1952. 18 B324
Effect of earth rays upon livestock.

4754 ABREU, E. F. DE. Brucellosis in animals. (In Portuguese.) Gaz. do Agr. 4:147,170. (Cont.) June/July 1952. 24 G25

4755 AMMANN, K. Uber die fixation von unterkieferfrakturen bei den grossen haustieren. Tierärztl. Umschau 7:355-357. Ref. Oct.1952. 41.8 T445

4756 APICE, V. B. D', and CAMPOS, M. S. DE. Functions of veterinarians in the State of São Paulo. (In Portuguese.) Cong. Bras. de Vet. An. 5:765-779. 1950, pub.1951. 41.9 C7695A

4757 ARAMBHLETE, L. Garrapata y tristeza. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(422):7-12. July 3,1952. 9.9 G15B

4758 BALMAIN, J. H., FOLLEY, S. J., and GLASCOCK, R. F. Effects of insulin and of glycerol in vitro on the incorporation of (carboxy-^{14}C) acetate into the fatty acids of lactating mammary gland slices with special reference to species differences. Biochem. J. 52:301-306. Ref. Oct.1952. 382 B52
Ruminants.

4759 BANKOWSKI, R. A. Some factors in the identification of the vesicular viruses. Calif. Vet. 6:20-21. Sept./Oct.1952. 41.8 C12

4760 BARBARO, D'A. Thyroid iodine and muscular fat in animals raised in zones of different altitudes. (In Italian.) Arch di Sci. Biol. 36:583-591. Ref. Nov./Dec. 1951. 442.8 Ar28

4761 BECHUANALAND. VETERINARY DEPT. Annual report for the year ended 31st December, 1951. n.p.,1952? 19 p. 41.9 B38

4762 BEIJERS, J. A. Foot-and-mouth disease control. (In Dutch.) Tijdschr. v. Diergeneesk. 77:630-635. Sept.1,1952. 41.8 T431
English summary.
Discussion, by E. J. A. A. Quaedvlieg, p. 632-633.

4763 BEQUETTE, J. W. Johnson grass poison requires quick action. Calif. Cattleman, Oct.1952:17. 43.8 C12

4764 BOÎAKHCHAN, A. B. In regard to the utilization of TSenkovskii's antianthrax vaccines. (In Russian.) Veterinariîa 29(9):24-27. Sept.1952. 41.8 V6426

4765 BONADONNA, T. International zootechnic-veterinary literature. (In Italian.) Prog. Vet. 7:608-609. Sept.15,1952. 41.8 P942

4766 BORODENOK, A. I. On a filtrable form of the organism of paratuberculosis [Mycobacterium paratuberculosis]. (In Russian.) Veterinariîa 29(8):33-39. Aug. 1952. 41.8 V6426

4767 BRAGA, J. W. Veterinary problems in the Northeast of Brazil. (In Portuguese.) Cong. Bras. de Vet. An. 5:71-96. 1950,pub.1951. 41.9 C7695A
English summary.

4768 BRANA, A. A l'Institut Français de la Fièvre Aphteuse à Lyon. Terre d'Oc 34:298-304. Aug. 1952. 14 Ar5

4769 BRAND, T. VON. Chemical physiology of endoparasitic animals. New York,Acad. Press,1952. 339 p. Ref. 436 B736

4770 BRUNAUD. Facteurs physiologiques internes de la production de la viande (action des glandes endocrines). Ann. de la Nutr. et de l'Aliment. 6:C195-C221. Ref. 1952. 389.8 An73
Includes discussion.

4771 CAMPOS, M. S. DE, and APICE, V. B. D'. Project of a code of ethics for Brazilian veterinarians. (In Portuguese.) Cong. Bras. de Vet. An. 5:823-828. 1950,pub.1951. 41.9 C7695A

4772 CARACAS. INSTITUTO DE LA FIEBRE AFTOSA. Punto 9° de la agenda de los ganaderos. Caracas,1951. 7 p. 41 C174

4773 CARON, O. Plantes vénéneuses au pâturage. Digeste de l'Eleveur 6(12):26-27. Aug.1952. 49 D56

4774 CHOUDHURY, B. The sensitivity to streptomycin of certain gram-negative organisms of pathogenic importance. Indian Vet. J. 29:34-42. Ref. July 1952. 41.8 In2

4775 CONGRESS BRASILEIRO DE VETERINARIA, 5th, SÃO PAULO, 1950. Anais [Annals of the Fifth Brazilian Veterinary Congress]. São Paulo,1951. 854 p. 41.9 C7695A

4776 CORDIER. A propos de la fièvre aphteuse. Colon Franç. de Tunisie (ser.7)45(2240,i.e.2261):1-2. Sept.20,1952. 24 C712

4777 CRASTE, C. L'intoxication fluorée. Rev. de Méd. Vét. [Toulouse] 103:142-150,214-221. (Cont.) Ref. Mar.-Apr.1952. 41.8 R32

4778 CROFT, P. G. Problems of electrical stunning. Vet. Rec. 64:255-258. May 3,1952. 41.8 V641
Use in place of anesthetic.

4779 CUNHA, R. Neurotropic viruses. (In Portuguese.) Cong. Bras. de Vet. An. 5:197-220. Ref. 1950, pub.1951. 41.9 C7695A

4780 DERFLINGER, E. R. Thirty-five years of trouble shooting. Oreg. Dept. Agr. Agr. B. 175:17-19. Sept.1952. 2 Or3
Livestock disease control.

4781 DIETRICH, W. Erfahrungen mit dem anthelminthicum Terit in der kleintierpraxis. Tierärztl. Umschau 7:390-391. Oct.1952. 41.8 T445

4782 DONKER-VOET, J., and DORSSEN, C. A. VAN. Survey of disease material sent to the Institute for Infectious Diseases of the University at Utrecht. (In Dutch.) Tijdschr. v. Diergeneesk. 77:621-629. Sept.1,1952. 41.8 T431
English summary.

4783 DUCKWORTH, R. E. Some features of veterinary practice in relation to foot-and-mouth and other reportable diseases. Calif. Vet. 5(6):14-15,19. July/Aug. 1952. 41.8 C12

4784 EDGAR, D. G. Progesterone in [animal] body fluids. Nature [London] 170:543-544. Sept.27,1952. 472 N21

4785 EGGERS, H. Studien zur enzymatischen beeinflussung der wundheilung. Tierärztl. Umschau 7: 376-382. Ref. Oct.1952. 41.8 T445

4786 ENDRES, P. Einiges über das tierseuchengesetz. Kärntner Bauer 102:481-482. Sept.1,1952. 19 K14

4787 ENGEL, L. Virus threat to our meat and milk. Sci. Digest 32(6):59-63. Dec.1952. 470 Sci27
Foot-and-mouth disease.

4788 ENGEL, W., and TONDO, C. V. Determination of ultraviolet ray intensity used in experiments to induce immunochemical mutation in foot-and-mouth disease virus. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(13):16-19. June 1952. 49.9 R47
English summary.

4789 ESPOSITO, A. C. Therapeutics of common eye diseases of animals. Amer. Vet. Med. Assoc. J. 121:297-299. Oct.1952. 41.8 Am3

4790 FAURE, A. L'infection ombilicale. Elevage et Cult. 4(45):11. Sept.1952. 24 EL2
In young animals.

4791 FEDIUSHIN, V. P. Practices of the Central Zoo-Veterinary Section in Shebekinskiĭ District [Kursk Region]. (In Russian.) Veterinariia 29(8):18-20. Aug. 1952. 41.8 V6426

4792 FEDOTOV, A. I. Best inter-district Veterinary Bacteriological Laboratory in Leningrad Region. (In Russian.) Veterinariia 29(7):7-10. July 1952. 41.8 V6426

4793 FEINBERG, J. G. A capillary agglutination test for Trichomonas foetus. J. Path. & Bact. 64:645-647. July 1952. 448.8 J82

4794 FIORI, W., MONTANARI, L., and COTTONE, L. The action of testosterone on deposits of glycogen. (In Italian.) Arch. di Sci. Biol. 36:92-105. Ref. Jan./Feb. 1952. 442.8 Ar28
In domestic animals.

4795 FLORENT, M. A. Quelques maladies infectieuses du bétail. Rev. de l'Agr. 5:830-836. Aug.1952. 13 R322

4796 FLUCKIGER, G. Der verlauf und die bekämpfung der maul- und klauenseuche 1951/52 in den europäischen Weststaaten. Schweiz. Arch. f. Tierheilk. 94: 603-613. Oct.1952. 41.8 Sch9

4797 FOGEDBY, E., and JOHNSON, M. L. Expériences faites avec la méthode Frenkel. Off. Internatl. des Epiz. B. 37:473-486. Ref. July/Aug.1952. 41.8 Of2
Foot-and-mouth virus culture.

4798 FOGEDBY, E. Vaccination anti-aphteuse avec un virus formolé additionné d'hydroxyde d'aluminium. Off. Internatl. des Epiz. B. 37:464-472. Ref. July/Aug. 1952. 41.8 Of2

4799 FOLLEY, S. J. Aspects of fat metabolism in the ruminant with special reference to the biosynthesis of milk fat. Biochem. Soc. Symposia 9:52-65. Ref. 1952. 382 B522

4800 FROHNER, E. Kompendium der speziellen pathologie und therapie für tierärzte. Ed. 9, rev. and enl., by D. Wirth. Stuttgart,Enke,1952. 319 p. 41 F92K

4801 GALLINA, L. Obstetrical notes. XII. (In Italian.) Prog. Vet. 7:628,630. Sept.15,1952. 41.8 P942

4802 GASCO, G. Professional unemployment and the arrangement of the veterinary medicine. (In Italian.) Prog. Vet. 7:508. Aug.1/15,1952. 41.8 P942

4803 GAVEZ, E. Repercussion of morpho-formative factors in animal tuberculosis with special reference to tuberculosis aviaris suis. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:539-554. Ref. 1952. 41.8 V6494
English summary.

4804 GENGOUX, P. L'utérus et ses principales particularités pharmacodynamiques. Ann. de Méd. Vét. 96:283-299. Ref. July 1952. 41.8 An78

4805 GILON, S. Man and animals in the homeland. 6. Proposal for reorganization of veterinary services in Israel. (In Hebrew.) Refuah Vet. 9:46-48. Apr.1952. 41.8 R25
English summary, p. 60.

4806 GODGLÜCK, G. Die herstellung von trypanosomenantigenen durch einfrieren. Monatsh. f. Vetmed. 7:320-322. Ref. Aug.15,1952. 41.8 M742

4807 GOODMAN, J. G. Value of ethics to veterinary practitioners. Tex. Vet. B. 14(9):10. Sept.1952. 41.8 T31

4808 GORDON, H. M. Let us look ahead. Austral. Vet. J. 28:175-179. July 1952. 41.8 Au72
Teaching veterinary science in Australia.

4809 GRAHAM, R. Save livestock; feed more people. Natl. Provisioner 127(16):123-127. Oct.18,1952. 286.85 N21
Disease control.

4810 GRASSI, L. The Zooprophylactic Institute of Piedmont and Liguria. (In Italian.) Prog. Vet. 7:570,572, 574. Sept.1,1952. 41.8 P942

4811 GUERREIRO, M. G. Observations on the artificial culture of the virus of foot-and-mouth disease. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(13):47-50. June 1952. 49.9 R47

4812 HANSON, R. P. The natural history of vesicular stomatitis. Bact. Rev. 16:179-204. Ref. Sept.1952. 448.3 B13

4813 HICKMAN, J. A comparative study of the heating effects of hot fomentations, kaolin poultices and an electrically heated boot. Vet. Rec. 64:587-589. Oct.4, 1952. 41.8 V641

4814 HIPÓLITO, O. Diseases of reproduction. (In Portuguese.) Cong. Bras. de Vet. An. 5:97-107. Ref. 1950,pub.1951. 41.9 C7695A

4815 HOLZ, K. Über die reticuloendotheliose des gehirns bei tieren. Berlin. u. Münch. Tierärztl. Wchnschr. 65:204-206. Oct.1952. 41.8 B45

4816 HONGKONG. GOVERNMENT VETERINARY OFF. Report, 1950/51. Hong Kong,1952? 20 p. 41.9 H75

4817 INNES, J. R. M. The cerebellum and cerebellar ataxias. No. Amer. Vet. 33:694-696. Oct.1952. 41.8 N812

4818 INNES, J. R. M. Mammary disease with special reference to cancer. No. Amer. Vet. 33:799-802. Nov.1952. 41.8 N812

4819 INSTITUT PASTEUR DE L'AFRIQUE OCCIDENTALE FRANÇAISE. Rapport sur le fonctionnement technique en 1950. Dakar,1952. 90 p. 448.9 In762
Includes work on rabies.

4820 IRRGANG, K., and DUSTMANN, I. Über den anteil der atoxylfesten und chininfesten lipase des serums bei verschiedenen tierarten. Biochem. Z 322:520-525. 1952. 384 B522

4821 JOUBERT, D. M. Growth in animals. Westralian Farmers Co-op Gaz. 23(404):5,7,9,11,13-16. July/Aug.1952. 280.28 W522

4822 KAL'NITSKIĬ, A. I. Chimishliĭskiĭ Zoo-Veterinary Section. (In Russian.) Sotsialist. Zhivotnovod. 14 (6):85-87. June 1952. 49 So71

4823 KAPLAN, L. E., and SOKOLOVA, A. I. Reflex mechanism of changes in blood properties of farm animals. (In Russian.) Sovet. Zootekh. 7(5):67-76. May 1952. 49 So822

4824 KAPPELI, P. Der stand der maul- und klauenseuche in Europa. Schweiz. Landwirt. Monatsh. 8:287-288. Aug.20,1952. 17 Sch93

4825 KATO, Y. Kachiku hikaku kaibogaku shinko [New lectures of comparative anatomy of livestock], v. 1. Tokyo,Chikyu Shuppan Kabushiki Gaisha,1951. 321 p. 444 K153
Includes index in English.

4826 KILCHSPERGER, G. Die bakteriendifferenzierung und typisierung als grundlage der epidemiologischen forschung mit besonderer berücksichtigung der bruzellosen. Schweiz. Arch. f. Tierheilk. 94:651-658. Oct.1952. 41.8 Sch9
English summary.

4827 KINDÍAKOV, V. I., and NIKONOVA, O. S. Length of preservation of foot-and-mouth disease virus in beet pulp. (In Russian.) Veterinariîa 29(9):34-35. Sept.1952. 41.8 V6426

4828 KINDÍAKOV, V. I., and others. On variability of foot-and-mouth disease virus. (In Russian.) Veterinariîa 29(8):21-27. Aug.1952. 41.8 V6426
A. N. Baĭadinov, S. M. Filippovich, and O. S. Nikonova, joint authors.

4829 KOLPOVSKIĬ, V. M. A simple knot in castration. (In Russian.) Veterinariîa 29(10):56. Oct.1952. 41.8 V6426

4830 KOMAROV, N. M. Some problems in organizing the work of the motorized disinfecting equipment. (In Russian.) Veterinariîa 29(8):43-46. Aug.1952. 41.8 V6426

4831 KORNEEV, N. E. Lifting of narcosis by calcium chloride. (In Russian.) Veterinariîa 29(10):51-52. Oct.1952. 41.8 V6426

4832 KOROPOV, V. M. Importance of Academician M. F. Ivanov's works for the development of veterinary science. (In Russian.) Veterinariîa 29(8):12-17. Aug. 1952. 41.8 V6426

4833 KRAPIVNER, L. M. In regard to teaching animal hygiene in the three-year zootechnical groups. (In Russian.) Veterinariîa 29(9):10-13. Sept.1952. 41.8 V6426

4834 KRAUME. Wie steht es augenblicklich mit der maul- u. klauenseuche? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1460. Sept.11,1952. 18 L2346

4835 KREIS, H. A. Helminthologische untersuchungen in schweizerischen tierpärken und bei haustieren. Schweiz. Arch. f. Tierheilk. 94:499-522,556-583. Ref. Aug.-Sept,1952. 41.8 Sch9
English summary.

4836 LACHENSCHMID, B. Praktikum der tierärztlichen schlachttier- und fleischbeschau. Anleitung zur untersuchung und beurteilung der schlachttiere nach den bestimmungen des fleischbeschaugesetzes. Ed. 4, rev. Stuttgart,Enke,1952. 294 p. 50 L11

4837 LAKTINOV, A. Veterinary code of U.S.S.R. (In Russian.) Kolkhoz. Proizvodstvo 12(8):28-29. Aug. 1952. 281.8 K83

4838 LAKTIONOV, A. M. In regard to zoo-veterinary services for an enlarged collective farm. (In Russian.) Veterinariîa 29(8):7-11. Aug.1952. 41.8 V6426

4839 LANKFORD, C. E., RODE, L. J., and SCHUHARDT, V. T. Effect of methionine upon utilization of DL-homocystine by Brucella suis. Soc. Expt. Biol. & Med. Proc. 80:727-731. Ref. Aug./Sept.1952. 442.9 So1

4840 LARSEN, A. B., and VARDAMAN, T. H. The effect of viomycin, 4:4´diamino diphenyl sulfone, and other agents on Mycobacterium paratuberculosis. Amer. J. Vet. Res. 13:466-468. Ref. Oct.1952. 41.8 Am3A

4841 LATTEUR, J. P. Quelques maladies du bétail. Rev. de l'Agr. 5:821-829. Aug.1952. 13 R322

4842 LAYTON, W. L. Predicting success of students in veterinary medicine. J. Appl. Psychol. 36: 312-315. Oct.1952. 140.8 J822

4843 LEUTHOLD, A. Grundriss der speziellen chirurgie für studierende und tierärzte. Basel,Reinhardt,1952. 283 p. (Reinhardts Grundrisse) 41 L576G

4844 LINON, G. Sur le droit du préfet d'interdire l'accès de son département aux animaux provenant d'un département infecté de fièvre aphteuse. Rev. de Méd. Vét. [Toulouse] 103:222-229. Apr.1952. 41.8 R32

4845 LOCKHART, G. P. Investigación y nuevos productos en medicina veterinaria. Asoc. Rur. del Uruguay. Rev. 79(8):36-40. Aug.1952. 9.9 As5

4846 LOPEZ, N. M. La fiebre aftosa en Europa y America. Inst. de la Fiebre Aftosa. B. Inform. 13:4-9. June 1952. 41.9 C172

4847 LOPEZ C., J. H. El medico veterinario como factor de progreso en nuestra ganadería. Rev. Ganad. [San Salvador] 11(147):18-21. July/Aug.1952. 8 R3292 El Salvador.

4848 LUMAINE. Comment prevenir l'avortement epizootique? II. Sillon Belge 22(522):1-2. Aug.23,1952. 13 Si3

4849 LUMAINE. Le traitement de l'avortement epizootique. III. Sillon Belge 22(526):1,3. Sept.20,1952. 13 Si3

4850 LUNARDONI, A. Streptomycin in veterinary medicine; its practical application alone and together with other pharmaceutical products. (In Italian.) Prog. Vet. 7:582,584,586-588,590,592,594-595. Ref. Sept.1, 1952. 41.8 P942

4851 LUTJE, F. Über die salmonellose unserer schlachttiere. Tierärztl. Umschau 7:385-390. (Concl.) Oct.1952. 41.8 T445

4852 MCBEE, R. H. Manometric evaluation of the rumen microflora. Mont. Acad. Sci. Proc. 10:15. 1950, pub.1951. 500 M762

4853 MANCUSO, P. C. Preparing aluminum hydroxide gel for foot-and-mouth disease vaccine. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(13): 8-14. Ref. June 1952. 49.9 R47
English summary.

4854 MANDIA, J. W. The role of heat-stable antigen in serological identification of proteolytic Clostridia. J. Immunol. 69:451-455. Oct.1952. 448.8 J8232

4855 MARTINI, I. Present aspects of the control of foot-and-mouth disease in our country. (In Italian.) Prog. Vet. 7:490-492,494,496-497. July 15,1952. 41.8 P942

4856 MARTUCCI, G. On veterinary service in the Municipal Hygiene Office. (In Italian.) Prog. Vet. 7:470, 472. July 15,1952. 41.8 P942

4857 MATOCHKIN, M. I. A polyural phonendoscope [in veterinary medicine]. (In Russian.) Veterinariîa 29 (10):55. Oct.1952. 41.8 V6426

4858 MAYER, K. Ablation of the third eyelid. No. Amer. Vet. 33:697. Oct.1952. 41.8 N812

4859 MELLO, M. T. DE. Bases for a plan of brucellosis control. (In Portuguese.) Rev. Mil. de Remonta e Vet. 12:1-16. Jan./Mar.1952. 41.8 R3219
English summary.
Brazil.

4860 MERCK AND CO. Pharmacological activity and clinical use of sulfanilamide, sulfathiazole and sulfapyridine in veterinary medicine. Rev. January, 1952. Rahway, N. J.,1952. 21 p. Ref. 396 M58Pha

4861 MILIN, I. P. Farmakologija i toksikologija za veterinare [Veterinary pharmacology and toxicology]. Beograd,Izdavacko Preduzeće Narodne Republike Srbije, 1951. 410 p. Ref. 41 M592
Includes English index.

4862 MITSCHERLICH, E. Grundlagen und entwicklung der antibiotischen therapie. Berlin. u. Münch. Tierärztl. Wchnschr. 65:162-165. Sept.1952. 41.8 B45

4863 MORENO, M. M., and AGUILAR, J. A. La fiebre aftosa en Mexico (Estado actual de la campaña). Mexico,Comision Contra la Fiebre Aftosa,1951. 80 p. 41 M862

4864 MOUSSATCHÉ, I. Chemotherapy of parasitic diseases of animals. IV. (In Portuguese.) Rev. Mil. de Remonta e Vet. 12:41-55. Ref. Jan./Mar.1952. 41.8 R3219
English summary.

4865 MUSOLINO, S. Veterinary service in the South. (In Italian.) Prog. Vet. 7:597-598. Sept.15,1952. 41.8 P942
Italy.

4866 NANI, S. Further investigations into the phenomenon of adsorption of fixed rabies virus. (In Italian.) Arch. Vet. Ital. 3(2):97-104. Ref. Apr.30,1952. 41.8 Ar25
English summary.

4867 NESTEROVA, E. A. Chemical investigations in evaluating the nutritive value of rations and feeds. (In Russian.) Sovet. Zootekh. 7(5):44-60. May 1952. 49 So822
Metabolism.

4868 NEWMAN, L. F. Some notes on the folk-lore and history of veterinary science. Roy. Army Vet. Corps. J. 23:96-99. (Cont.) Sept.1952. 41.8 G79

4869 NICANDER, L. Histological and histochemical studies on the adrenal cortex of domestic and laboratory animals. Stockholm,Karger,1952. 88 p. Ref. (Acta Anatomica. Supplementum 16) 444 N51

4870 NIKITENKO, G., and ZUEV, N. A leading Zoo-Veterinary Section. (In Russian.) Veterinariia 29(10):8-9. Oct.1952. 41.8 V6426

4871 NUSSHAG, W. Lehrbuch der anatomie und physiologie der haustiere; für studierende der landwirtschaft und praktische landwirte. Ed. 2, rev. Leipzig, Hirzel,1951. 370 p. (Landwirtschaftliche Wissenschaft; eine Lehrbuchreihe für Studium und Praxis. 2) 444 N94

4872 OFF. INTERNATIONAL DES EPIZOOTIES. Rapports-réponses au questionnaire du 25 janvier 1952. Off. Internatl. des Epiz. B. 37:347-448. July/Aug.1952. 41.8 Of2
Foot-and-mouth disease in various countries.

4873 ONO, Y. Kachiku byorigaku kakuron [Different opinions on live-stock pathology]. Tokyo,Yokendo,1951. 365 p. 41 On6K
Includes English index.

4874 ONTARIO. VETERINARY COLLEGE. Report, 1951. Toronto,1952. 97 p. 41.8 On8R

4875 PASS, K. H. Isapogen in der kleintierpraxis. Tierärztl. Umschau 7:393. Oct.1952. 41.8 T445

4876 PASTEUR ASSOCIATION OF INDIA. Rabies and antirabic treatment in India, by M. L. Ahuja and A. G. Brooks. Kanpur,Job Press,1951. 35 p. 41 P262

4877 PEQUIGNOT, G. Facteurs pathologiques et hormonaux de la production du tissu scléreux. Ann. de la Nutr. et de l'Aliment. 6:C267-C273. Ref. 1952. 389.8 An73
Includes discussion.

4878 PEREZ Y PEREZ, F. La anestesia en circuito cerrado aplicada a los pequeños animales domésticos. Veterinaria [Madrid] 16:711-721. Aug.1952. 41.8 V649

4879 POPE, A. L., and ADAMS, J. L. Hormones in livestock and poultry production. Feedstuffs 24(40):36, 56. Oct.4.1952. 286.81 F322

4880 QUITTET. Ou en est en France l'épidémie de fièvre aphteuse? Paysan Franç. 28(417):25-26. Sept. 1952. 14 P29

4881 RADKEVICH, P. E. Pathogenetic pharmacotherapy of diseases in farm animals in the light of I. P. Pavlov's teaching. (In Russian.) Veterinariia 29(10):40-46. Oct.1952. 41.8 V6426

4882 RAMON, G. Addendum au rapport sur la fièvre aphteuse durant la periode 1951-1952. Off. Internatl. des Epiz. B. 37:439-463. July/Aug.1952. 41.8 Of2

4883 RAMON, G. A propos de la fièvre aphteuse. Acad. des Sci. Compt. Rend. 235:333-338. Aug.4,1952. 505 P21
Europe.

4884 RAMON, G. Rapport préliminaire sur l'epizootie européenne de fièvre aphteuse durant la période 1951-1952. Off. Internatl. des Epiz. B. 37:326-346. July/Aug.1952. 41.8 Of2

4885 RANDRUP, A. Ultracentrifugation of the virus of foot-and-mouth disease. Acta Path. et Microbiol. Scand. 31:385-409. Ref. 1952. 448.3 Ac8

4886 REAGAN, R. L., and others. Studies of pseudorabies virus (Aujeszky strain) in the Rhesus monkey (Macaca rhesus). Amer. J. Vet. Res. 13:581-582. Oct. 1952. 41.8 Am3A
M. P. Harmon, W. C. Day, and A. L. Brueckner, joint authors.

4887 REITSMA, K. Acid proof bacteria in kidneys. (In Dutch.) Tijdschr. v. Diergeneesk. 77:639-640. Sept. 1,1952. 41.8 T431
Observations on article by C. J. G. van der Kamp in No. 15, Aug. 1, 1952.

4888 RICHOU, R., and GERBEAUX, C. Les complexes antagonistes. Canad. J. Compar. Med. 16:311-329. Ref. Sept.1952. 41.8 C162
Includes use in veterinary medicine.

4889 ROBERTS, F. H. S. Host specificity of live-stock parasites in Australia. (Abs.) Austral. J. Sci. 15:19-20. Aug.1952. 475 Au72

4890 ROCCHI, G. On the use of a new obstetrical instrument. (In Italian.) Prog. Vet. 7:624,626. Sept.15, 1952. 41.8 P942

4891 ROSENBERGER, J. H. My professional responsibility to my clients. Vet. Med. 47:469-470. Nov. 1952. 41.8 M69

4892 ROSERO SANCHEZ, C. Campaña contra la estomatitis vesiculosa. Consorcio de Cent. Agr. de Manabi. Rev. 70:13-14. Apr./June 1952. 9.5 M31

4893 ROSERO SANCHEZ, C. Informe de los trabajos para combatir la estomatitis vesiculosa. Consorcio de Cent. Agr. de Manabi. Rev. 70:30-34. Apr./June 1952. 9.5 M31

4894 ROSSI, R. P. Current foot and mouth infection and prevention. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:323-325. Aug.1952. 16 C72

4895 RUGGLES, W. E. The small animal hospital—a business enterprise. Amer. Vet. Med. Assoc. J. 121: 248-253. Oct.1952. 41.8 Am3

4896 RUKAVINA, J., and NEVENIĆ, V. A contribution to the cognizance of incidence of piroplasmosis in the P. R. Croatia. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:475-480. 1952. 41.8 V6494
English summary.

4897 SANTO, J. DO E. The advance of hydatidosis in Rio Grande do Sul. (In Portuguese.) Cong. Bras. de Vet. An. 5:609-621. 1950,pub.1951. 41.9 C7695A

4898 SAUNDERS, L. Z. A check list of hereditary and familial diseases of the central nervous system in domestic animals. Cornell Vet. 42:592-600. Ref. Oct. 1952. 41.8 C81

4899 SCHECKER, H. Ein neues instrument zur kastration der männlichen haustiere, seine entstehung und anwendung. Tierärztl. Umschau 7:332-337. Sept.1952. 41.8 T445

4900 SCHLEITER, H. Erfahrungen bei der behandlung von 105 nabelbruchpatienten. Tierärztl. Umschau 7: 372-376. Oct.1952. 41.8 T445

4901 SCHLOTTHAUER, C. F. Some noninfectious diseases common to human beings and lower animals. No. Amer. Vet. 33:769-773. Nov.1952. 41.8 N812

4902 SCHMIDT, O. Ein neues operationsmesser mit auswechselbarer klinge. Tierärztl. Umschau 7:391-393. Oct.1952. 41.8 T445

4903 SCHMIDT-HOENSDORF, F., and HOLZ, J. Untersuchungen auf toxoplasmose bei haustieren im raum von Gross-Berlin mit dem Sabin-Feldman-test. Berlin. u. Münch. Tierärztl. Wchnschr. 65:194-195. Ref. Sept.1952. 41.8 B45

4904 SCHNEIDER, B. H., TAYSOM, E. D., and HAM, W. E. Urinary calculi in male farm animals. Wash. Agr. Expt. Sta. C. 203,5 p. Sept.1952. 100 W27S

4905 SEDLMEIER, H., and DAHME, E. Die veränderungen der serumeiweisskörper bei der experimentell erzeugten bleivergiftung. Berlin. u. Münch. Tierärztl. Wchnschr. 65:181-184. Sept.1952. 41.8 B45

4906 SELIVANOV, A. V. Third Scientific Conference on Accomplishments of Veterinary Scientific-Research Institutions of Siberia. (In Russian.) Veterinariia 29(9):62-64. Sept.1952. 41.8 V6426

4907 ŠERIĆ, H. Popular medicine in Bosnia and Herzegovina during Turkish rule. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:569-573. Ref. 1952. 41.8 V6494
English summary.
Human and veterinary.

4908 SHILKIN, J. Actinomycosis and actinobacillosis. Austral. Dairy Rev. 20(9):22,28. Sept.1,1952. 44.8 Au73
In livestock.

4909 SHILKIN, J. Actinomycosis and actinobacillosis. West. Austral. Dept. Agr. J. (ser.3)1:309,311-312. May/June 1952. 23 W52J

4910 SILVA, C. G. DA. Role of hormones in the formation of the mammary gland and in milk secretion. (In Portuguese.) Rev. Mil. de Remonta e Vet. 12:35-39. Jan./Mar.1952. 41.8 R3219
English summary.

4911 SKJERVEN, O. Synthetic estrogens in veterinary medicine. II. Synthetic estrogens and lack of heat. (In Norwegian.) Nord. Vetmed. 4:908-916. Ref. Sept.1952. 41.8 N813
English summary.

4912 SKJERVEN, O. Synthetic estrogens in veterinary medicine. III. Synthetic estrogens and hormonal castration. (In Norwegian.) Nord. Vetmed. 4:1010-1015. Ref. Oct.1952. 41.8 N813
English summary.

4913 SKORIN, I. E. On microbial forms of the virus of foot-and-mouth disease. (In Russian.) Veterinariîa 29(7):20-24. July 1952. 41.8 V6426

4914 SMITH, R. F. Anthrax-an interesting case. Amer. Vet. Med. Assoc. J. 121:242-243. Oct.1952. 41.8 Am3

4915 SNYMAN, P. S. Stock dying-please forward vaccine. Farming So. Africa 27:342,350,354. July 1952. 24 So842
How to describe a disease and how to conduct a post-mortem examination.

4916 SOLOMKIN, P. S. Principles and analysis of control of Aujeszky's disease in farm animals. (In Russian.) Veterinariia 29(10):10-15. Oct.1952. 41.8 V6426

4917 STONE, E. C., and KLAVANO, P. A. Continuous ink-writing kymograph unit for teaching and research in veterinary physiology and pharmacology. Amer. J. Vet. Res. 13:579-581. Oct.1952. 41.8 Am3A

4918 STUART, J. E. Bureau of Livestock Disease Control. Calif. Vet. 6:29,34. Sept./Oct.1952. 41.8 C12

4919 SUDZILOVSKII, L. N., and NASYROV, I. S. Method of specializing veterinary doctors in prosectorial work. (In Russian.) Veterinariîa 29(9):14-15. Sept.1952. 41.8 V6426

4920 SWEDEN. VETERINARSTYRELSEN. Det civila veterinärväsendet år 1949. The Civil Veterinary Service for the year 1949. Stockholm,1951. 37 p. (Sveriges Officiella Statistik; Hälso- och Sjukvard) 257.3 V64

4921 SWEDEN. OVERFALTVETERINAREN. Veterinärvard vid armén år 1950. Service vétérinaire à l'Armée en 1950. Stockholm,1951. 18 p. (Sveriges Officiella Statistik; Hälso- och Sjukvard) 257 3 Ov2

4922 SZELYES, L., ELEK, P., and KÖVES, J. Schutzimpfung mit kombinierten impfstoffen gegen tetanus + milzbrand und gasbrand + milzbrand. Acta Vet. 2:97-108. Ref. 1952. 41.8 Ac83

4923 TARIBA, J. B. Feria-Exposición de Barquisimeto. Inst. de la Fiebre Aftosa. B. Inform. 13:11-15. June 1952. 41.9 C172
Protection of stock from foot-and-mouth disease.

4924 TERENT'EV, F. A., and KOLESOV, S. G. Antianthrax inoculations only with TSenkovskii's 2nd vaccine. (In Russian.) Veterinariîa 29(9):21-24. Sept. 1952. 41.8 V6426

4925 THEILE, H. Kurze studien über die entwicklung des veterinärwesens in der DDR. Monatsh. f. Vetmed. 7:322-324. Aug.15,1952. 41.8 M742

4926 THIÉRY, J. P. L'épizootie actuelle de fièvre aphteuse. Cahiers de Méd. Vét. 21:139-142. Sept./Oct. 1952. 41.8 C11

4927 THOMAS, A. K. Studies on rabies. VII. Indian J. Med. Res. 40:121-129. Jan.1952. 448.8 In22

4928 THOMAS, J. A. Procédé général de culture des virus, en très grande abondance, chez l'animal. Acad. des Sci. Compt. Rend. 235:518-520. Sept.1,1952. 505 P21

4929 TODD, F. A. Biological warfare against our livestock. No. Amer. Vet. 33:689-691,693. Oct.1952. 41.8 N812
Includes diseases.

4930 TOKYO. UNIVERSITY. VETERINARY SCIENCE SECT. Saikin no jui-gaku. The newest veterinary science. Tokyo,Asakura Shoten,1951. 272 p. Ref. 41 T572

4931 TONDO, C. V. Inactivation, with ultraviolet radiation, of the virus of foot-and-mouth disease adsorbed in aluminum hydroxide. (In Portuguese.) Cong. Bras. de Vet. An. 5:579-584. 1950,pub.1951. 41.9 C7695A

4932 TORRES, S., and others. Studies on foot-and-mouth disease and its prevention. (In Portuguese.) Cong. Bras. de Vet. An. 5:221-239. Ref. 1950,pub.1951. 41.9 C7695A
M. F. M. Teixeira, M. G. Guerreiro, D. Saraiva, and M. Demeneghi, joint authors.

4933 TUZOVA, R. V. On indexes of the phagocytic reaction during brucellosis in animals. (In Russian.) Veterinariîa 29(10):21-23. Oct.1952. 41.8 V6426

4934 U. S. BUR. OF ANIMAL INDUSTRY. Foot-and-Mouth Disease Research Laboratory. Washington?1952? 3 p. 1.972 Z2F73

4935 U. S. BUR. OF ANIMAL INDUSTRY. Statistical tables showing progress of the eradication of tuberculosis in livestock and brucellosis in cattle in the United States. Washington,1952. 11 p. 1.9 An533Stm

4936 UTAH. AGRICULTURAL EXPERIMENT STATION. Recommended practices to reduce fluorosis in livestock and poultry. Utah. Agr. Expt. Sta. C. 130,16 p. Ref. June 1952. 100 Ut1

4937 VASKOV, B. Avitaminozi kaj domašnite životni [Avitaminosis of domestic animals]. Skopje, "Zadružen Život,"1951. 18 p. 41 V44

4938 VAWTER, L. R. The Disease Diagnostic Laboratory. Oreg. Dept. Agr. Agr. B. 175:14-15. Sept.1952. 2 Or3
At Oregon State College Department of Veterinary Medicine.

4939 VAZ, E., and AZECEDO, M. P. Defense against rabies. (In Portuguese.) Cong. Bras. de Vet. An. 5:567-577. Ref. 1950,pub.1951. 41.9 C7695A

4940 VAZ, E., and others. The veterinary work of the Immunology Section [of Butantan Institute]. (In Portuguese.) Cong. Bras. de Vet. An. 5:735-742. 1950,pub. 1951. 41.9 C7695A
R. R. Rosa, P. Araujo, N. Masotti, and T. S. Branco, joint authors.

4941 VETTER, R. Fracture fixation. Calif. Vet. 6: 14-17. Sept./Oct.1952. 41.8 C12

4942 WADHWANI, T. K., and DE, N. N. The problem of fluorine poisoning. Indian Inst. Sci. J. 33A,29 p. Ref. 1951. 513 In23

4943 WADSWORTH, J. R. Brief outline of the toxicology of some common poisons. Vet. Med. 47:412-416. Ref. Oct.1952. 41.8 M69

4944 WALLACE, G. V. The influence of hygiene on the health of livestock. New Zeal. J. Agr. 85:151,153,155, 157-158. Aug.15,1952. 23 N48J

4945 WILSON, W. W., and MATHESON, R. C. Bird migration and foot-and-mouth disease. Vet. Rec. 64:541-548. Sept.13,1952. 41.8 V641

4946 WORDEN, A. N. Veterinary medicines. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:704-709. Ref. 1951. 382 M31R

4947 YONEMURA, T., and SHIGA, K. Studies on the germicidal power of disinfectant. 1-3. (In Japanese.) Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24:77-81,83-92. Ref. 1952. 41.9 T572
English summary and tables.
Use for bacteria infecting livestock.

4948 YOUNCE, R. R. Livestock disease control. Oreg. Dept. Agr. Agr. B. 175:5-6. Sept.1952. 2 Or3

4949 YOUNG, G. A. Dynamite in the livestock industry. Hormel Farmer 15(13):3,6-7. Sept.15,1952. 49 H782
Vesicular exanthema.

4950 ZAÎANCHKOVSKIÎ, I. F. Central [Dolgoderevenskii] Zoo-Veterinary Section of a leading district [Sosnovskii Raîon, Chelîabinsk Oblast]. (In Russian.) Veterinariîa 29(9):16-20. Sept.1952. 41.8 V6426

4951 ZASTROW, K. Die geburtshilfliche entwicklung der steinfrucht; bemerkungen zur gleichnamigen arbeit von M. Kostner. Wien. Tierärztl. Monatsschr. 39:551-553. Ref. Sept.1952. 41.8 T345
Includes reply by M. Kostner.

4952 ZHUK, A. Experiment in controlling fascioliasis in ruminants. (In Russian.) Veterinariîa 29(7):35-37. July 1952. 41.8 V6426

MISCELLANEOUS

4953 ALBERT, E. Gasoline cowboys face variety of activities. Oreg. Dept. Agr. Agr. B. 175:19-21. Sept. 1952. 2 Or3
Work of livestock theft investigators.

4954 ALBERTA. DEPT. OF AGRICULTURE. FIELD CROPS BR. Directions and precautions for using coyote getters, by W. Lobay and A. M. Wilson. Edmonton?1951. 5 p.-folder. 412.6 AL12

4955 ARMAS, J. L. Improvement in livestock industries. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 8(16):88-92. Second Semes. 1952 15 Az6

4956 BARTELS, H. Underlying principles of West-German meat manufacturing. Butchers' Advocate 131(26):8-9,11. June 25,1952. 286.85 B97
Slaughtering and handling of meat.

4957 BASHKIROVA, V. A collective farm is preparing itself for wintering of livestock. (In Russian.) Kolkhoz. Proizvodstvo 12(8):36. Aug.1952. 281.8 K83

4958 BECOTTE, R. Les exposants aux expositions. Digeste de l'Eleveur 6(12):24-25. Aug.1952. 49 D56

4959 BELÍAEV, A. Marking productive livestock. (In Russian.) Kolkhoz. Proizvodstvó 12(9):50-51. Sept. 1952. 281.8 K83

4960 BONADONNA, T. Zootecnica speciale [Special zootechnics]. Ed. 2, rev. and enl. Milano,Istituto Editorale Cisalpino,1950-51. 3 v. Ref. 40 B645Z
Includes breeds.

4961 CELLE. BUNDESFORSCHUNGSANSTALT FUR KLEINTIERZUCHT. Jahresbericht für das geschäftsjahr 1950. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 5,106 p. 1951. 18 G312S

4962 DEANS, R. J. A recommended procedure for slaughtering experimental cattle. Reciprocal Meat Conf. Proc. 4:81-88. 1951. 50.9 R24

4963 FLETCHER, R. S. That hard winter in Montana, 1886-1887. Mont. Stockgrower 24(9):64-66. Sept. 15,1952. 49 M76
Livestock situation.

4964 FRANCIONI, J. B. A program for the training of Armed Forces personnel in the slaughtering of livestock. Reciprocal Meat Conf. Proc. 4:12-15. 1951. 50.9 R24

4965 FROST, J. The role of the stock show. Shorthorn World 37(14):9. Oct.10,1952. 43.8 Sh8

4966 GRAZIERS' ASSOCIATION OF NEW SOUTH WALES. The graziers' annual, 1952 edition. Sydney, 1952. 304 p. 45.9 G79

4967 HAMMOND, J. Developments in animal husbandry. Country Life [London] 112:924-925. Sept. 26,1952. 80 C83

4968 ISHII, T., and others. Experiments on slaughtering by electric stunning. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:53-67. Ref. July 1952. 49.9 C434
F. Saito, S. Nishio, Y. Shigihara, and H. Nozaki, joint authors.
English summary.

4969 IWAKATA, M. Yuchiku keieiron [Opinions on management of livestock]. Tokyo,Sangyo Tosho Kabushiri Gaisha,1951. 200 p. 40 Iw1

4970 JORDANO BAREA, D. La clasificación decimal zootécnica. B. de Zootec. 8:179-182,211-214,277-281. (Cont.) June 1-July 1, Sept.1,1952. 41.9 So16

4971 KNICKERBOCKER, M. E. The Division of Animal Industry; the role it fills in Oregon's livestock realm. Oreg. Dept. Agr. Agr. B. 175:3-5,34. Sept.1952. 2 Or3

4972 LIECHTY, C. B. Livestock theft investigation. Oreg. Dept. Agr. Agr. B. 175:6-8. Sept.1952. 2 Or3

4973 LITTON, G. W., and HERRING, G. Fall and winter care of hogs, sheep, and beef cattle. Prog. Famer, Carolinas-Va. Ed. 67(11):17,133. Nov.1952. 6 P945

4974 MALABANAN, M. History of the Bureau of Animal Industry. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.267-276. Manila,Graphic House, 1952. 37 P533

4975 MAYS, H. How brand inspection grew. Oreg. Dept. Agr. Agr. B. 175:21. Sept.1952. 2 Or3

4976 MONTEMAYOR, M. R. Half century of livestock raising. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.277-300. Ref. Manila,Graphic House,1952. 37 P533

4977 NELSON, R. K. Brand recording in Oregon. Oreg. Dept. Agr. Agr. B. 175:10-11. Sept.1952. 2 Or3

4978 OLALQUIAGA, R. El VI Congreso Internacional de Zootecnia en Copenhague. Agricultura [Madrid] 21:440-444. Aug.1952. 15 Ag84

4979 OSLIKOVSKAÍA, E. S. Zootechnical knowledge for all the workers on farms. (In Russian.) Sotsialist. Zhivotnovod. 14(3):8-12. Mar.1952. 49 So71

4980 PAGOT, J. Climat et production de viande. Ann. de la Nutr. et de l'Aliment. 6:C255-C265. Ref. 1952. 389.8 An73

4981 RANENSKIĬ, I. V. Animal husbandry of Pamiat' Il'icha Collective Farm [Tokarevskiĭ District, Tambov Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(3):88. Mar.1952. 49 So71

4982 ROWLAND, J. E. Designed to be different. Natl. Provisioner 127(12):8-10. Sept.20,1952. 286.85 N21
Slaughterhouse.

4983 SASKATCHEWAN. UNIVERSITY. COLLEGE OF AGRICULTURE. Types and breeds of farm livestock (illustrations only). Saskatchewan. U. Col. Agr. Ext. B. 118,16 p.-folder. May 1952. 7 Sa76A

4984 SPRAVOCHNIK uchastkovogo zootekhnika [Guide for the regional zootechnician]. Chkalov?Chkalovskoe Izd-vo,1951. 563 p. 40 Sp7

4985 TERACHE, P. La zootechnie a l'echelle du temps. Zootechnia 1:7-13. Jan./Feb.1952. 41.8 Z73
English summary.

4986 TORRENS PASTOR, A. Las marcas del ganado. Balearic Isl. Diputación Prov. B. de Agr. 94:3. July 1952. 15 B19

4987 U. S. BUR. OF ANIMAL INDUSTRY. Directory of the Bureau of Animal Industry. Rev. Washington,1952. 67 p. 1.917 A2D631

4988 VILLARES, J. B. General aspects of zootechnic climatology. (In Portuguese.) Cong. Bras. de Vet. An. 5:109-114. 1950,pub.1951. 41.9 C7695A

4989 VIL'NER, A. M. Zimnee soderzhanie sel'skokhozíaistvennykh zhivotnykh [Winter maintenance of farm animals]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 206 p. Ref. 40 V71

4990 WALTON, L. Poultry, cattle, sheep fit into program of Black Belt Branch Station. Miss. Farm Res. [Miss. Sta.] 15(9):3. Sept.1952. 100 M69Mi

4991 WATSON, D. S. Livestock in Europe. New Eng. Homestead 125(18):6-7,42. Sept.27,1952. 6 N442

4992 WINNIGSTEDT, R. DLG-ausstellung mit zuchttieren jährlich oder alle zwei jahre? Tierzüchter 4:505-507. Oct.20,1952. 49 T445

4993 WINNIGSTEDT, R. Massnahmen zur förderung der landwirtschaftlichen tierzucht. Handb. der Landwirt, 3:357-409. Ref. 1951. 30 H193

CATTLE

Breeds and Breeding

4994 ALVAREZ, M. El medio fisico y la adaptación de razas bovinas especializadas. Agro [Maracay] 7(21):67-69. June/Aug.1952. 9.95 Ag83

4995 AMERICAN GUERNSEY CATTLE CLUB. Improving breed type and production. Guernsey Breeders' J. [Peterborough] 86:547-550,586. (Concl.) Oct.15,1952. 43.8 G93
Panel discussion; H. H. Kildee, moderator.

4996 AMERICAN GUERNSEY CATTLE CLUB. Improving breed type and production. II. Guernsey Breeders' J. 86:367-371. Oct.1,1952. 43.8 G93
Panel discussion; H. H. Kildee, moderator.

4997 ANTIĆ, S., and MILOSAVLJEVIĆ, S. Ein beitrag zur kenntnis des Pester rindes. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):138-152. 1952. 21.5 Y9
German summary.

4998 ARZUMANÍAN, E. A. Breeding [cattle] by lines. (In Russian.) Sovet. Zootekh. 7(5):9-18. May 1952. 49 So822

4999 AYRSHIRE CATTLE HERD BOOK SOCIETY OF GT. BRIT. AND IRELAND. Herd book, v. 74 (1949). Ayr,1951. 2 v. 43.9 Ay74

5000 BADRELDIN, A. L. Frequency of successful conception under free mating conditions in the Egyptian buffaloes. Experientia 8:391-392. Oct.15,1952. 475 Ex7

5001 BANE, A. A study on the technique of hemocytometric determination of sperm motility and sperm concentration in bull semen. Cornell Vet. 42:518-531. Ref. Oct.1952. 41.8 C81

5002 BARDET, H. La race de Tarentaise. Opinion Econ. et Financ. 5(11):44-46. Mar.1952. 44 Op3

5003 BARNARD, W. G. The cattle of the Swazi. Swaziland. Vet. Dept. Mpisi Ser. 2,49 p. Mar.1951. 43.9 Sw2
Includes a description of the Ngune (originally known as Swazi or Zulu) breed.

5004 BEATTIE, W. A. The management of cattle stations. X. Cattle breeding. Past. Rev. 62:822-823. Aug.16,1952. 23 Au75

5005 BERTHELON, M., and LARCHIER, H. Action de la pénicilline sur le sperme de taureau. Rev. de Méd. Vét. [Toulouse] 103:129-141. Mar.1952. 41.8 R32

5006 BESKHLEBNOV, A. V. ÎAlovost' krupnogo rogatogo skota i bor'ba s neĭ [Sterility of cattle and its control]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 191 p. Ref. 41 B469

5007 BONADONNA, T. On the substantiation of data relative to fertility in cattle. (In Italian.) Zootechnia 1: 19-26. Ref. Jan./Feb.1952. 41.8 Z73
English summary.

5008 BÖSS, T. Künstliche rinderbesamung—neues aufgabengebiet der molkerei? Deut. Molk.-Ztg. 73: 1132-1134. Sept.5,1952. 44.8 Su2

5009 BRIQUET JUNIOR, R. Advantages of crossing between dairy breeds. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:251-253. July/Aug.1952. 9.2 R324

5010 BURGUES, S. Mejoramiento de la ganaderia lechera. Asoc. Rur. del Uruguay. Rev. 79(8):30-32. Aug.1952. 9.9 As5
Breeding.

5011 BURLEY, R. H. Cow Country Laboratory; Oklahoma Agricultural Experiment Station scientists have found a way to produce an extra crop of calves. West. Livestock 38:20,28. Aug.1952. 49 W523

5012 CASELLA, G. Importance and function of livestock genetics. (In Italian.) Agricoltura 1(9):37-39. Sept.1952. 16 Ag8226
Cattle.

5013 CHANDLER, H. The Hereford—trademark of an industry. West. Livestock J. 30(53):47,66. Sept.15, 1952. 6 F2278

5014 CHERNOV, G. A. Conference on breeding work with the Alatau [cattle] breed. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:86-87. Apr.1952. 20 D742

5015 CHITTENDEN, D. W. The Polled Hereford business is sound. West. Livestock J. 30(48):35,50. Aug.15,1952. 6 F2278

5016 CIAFFI, B. Charolais beef cattle. (In Italian.) Gior. di Agr. 62:285. Sept.21,1952. 16 It1G

5017 COCCO, E. DI. The conditions of maximum technical economic productivity of meat and work cattle breeds. (In Italian.) Riv. di Econ. Agr. 7:179-228. June 1952. 281.8 R52
English summary.

5018 COOPER, M. M. A. I. and improvement; the means and the measure. Farmers Wk. [London] 37(16): 61-62. Oct.17,1952. 10 F2226
Artificial insemination and milk recording.

5019 COSTIN, D. Artificial breeding; a technician reports on proper timing. Hoard's Dairyman 97:866. Oct.25,1952. 44.8 H65

5020 CRAPLET, C. Les lois de l'hérédité et les répercussions sur l'élevage. Tech. Agr. 60:32-33. Sept.1952. 58.8 T222
Cattle.

5021 CUMMINGS, R. J. Let's promote our Shorthorns! Shorthorn World 37(12):58-59. Sept.10,1952. 43.8 Sh8

5022 DAUGHERTY, F. C. Should we line breed our cattle? West. Livestock 38:74. Aug.1952. 49 W523

5023 DAWSON, W. M., YAO, T. S., and COOK, A. C. Heritability of growth, beef characters, and body measurements in Milking Shorthorn steers. (Abs.) Genetics 37:575-576. Sept.1952. 442.8 G28

5024 DELAGE, J. La sélection des bovins laitiers. Opinion Econ. et Financ. 5(11):64-66. Mar.1952. 44 Op3

5025 DODEL, F. Aber auch nichts versäumen! Allgäuer Bauernbl. 20:545-546. Oct.2,1952. 18 AL53
Artificial insemination of cattle.

5026 DÜRRWAECHTER. Grundsätzliches zur zucht des Höhenfleckviehs. Tierzüchter 4:507-511. Oct.20, 1952. 49 T445

5027 DUVALL, R. These Arizona Brahmans travel a 2-way street. West. Livestock J. 30(42):41,95,97-98. July 15,1952. 6 F2278

5028 EDWARDS, J. The first ten years; a progress report. Farmers Wk. [London] 37(16):58-59. Oct.17, 1952. 10 F2226
Artificial insemination and cattle breeding in Great Britain.

5029 ENGLISH GUERNSEY CATTLE SOCIETY. The English Guernsey Cattle Society's herd book, vol. LXVIII. Lewes,1952. 1409 p. 43.9 En33

5030 FARQUHAR, J. Families of Angus complicated, but provide useful means of honoring top females; no other breed uses system. Fla. Cattleman 17(2,sect.3): 18. Nov.1952. 43.8 F66

5031 FILATOVA, K. N. Fertilization of cows in relation to estrus condition. (In Russian.) Sovet. Zootekh. 7(4):90-99. Apr.1952. 49 So822

5032 FRIEDE, O. Entwicklung und leistung der ostpreussischen rinderzucht. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 3,35 p. 1951. 18 G312S

5033 FRIESCH RUNDVEE-STAMBOEK. Report on the financial year, covering the period from May 1st 1951-April 30th 1952. F. R. S. Friesian Herdb. 5:265-268. July 1952. 43.8 F11

5034 GAĬKO, A. A. Kostromskaĭa breed of cattle in White Russian SSR. (In Russian.) Sotsialist. Zhivotnovod. 14(3):56-65. Mar.1952. 49 So71

5035 GALGAN, M. W., ENSMINGER, M. E., and KYD, C. R. Improvement of beef cattle through production testing. Wash. Agr. Expt. Sta. C. 204,6 p. Sept. 1952. 100 W27S

5036 GOATMAN, W. Ganado Hereford y su registro. Rev. Ganad. [Habana] 12(9):6. Sept.1952. 49 R321

5037 GOIMARD, A. La race bovine Parthenaise et ses variétes Vendéenne et Nantaise. Opinion Econ. et Financ. 5(11):42-43. Mar.1952. 44 Op3

5038 GONZALEZ ARRIETA, H. Ganado lechero de la India. Rev. Ganad. [Habana] 12(10):30-31. Oct.1952. 49 R321
Brahmans.

5039 GOTO, T., and UGAMI, S. A paper chromatographic study of sugars in semen. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:123-127. Mar. 1952. 49.9 C434
English summary and tables.
Fructose in bull and boar semen.

5040 GÖTZE, R. Die erbbiologische seite der künstlichen besamung beim rind. Zootechnia 1:27-34. Jan./Feb.1952. 41.8 Z73
English summary.

5041 GREVE S., G. Los overos-negros y su importante función zootécnica. Agr. Austral 20:173-175. May 1952. 9.3 Ag842

5042 HAAG. Die typnotenvergebung in RVT. Landwirt. Z. der Nord-Rheinprov. 119:904. Aug.23,1952. 18 L2344

5043 HAMMOND, J. Some uses of A. I. in cattle production. Zootechnia 1:14-16. Jan./Feb.1952. 41.8 Z73

5044 HANCOCK, J. L. The morphology of bull spermatozoa. J. Expt. Biol. 29:445-453. Ref. Sept.1952. 442.8 B77

5045 HARDY, W. J. Ganado lechero—Shorthorn. Agr. Austral 20:178-179. May 1952. 9.3 Ag842

5046 HAUTCOEUR, M. P. La race hollandaise Pie-Noire. Opinion Econ. et Financ. 5(11):32-33. Mar.1952. 44 Op3

5047 HEREFORD HERD BOOK SOCIETY. The herd book of Hereford cattle, v. 81. Hereford,1951. 903 p. 43.9 H42H

5048 HINRICHSEN, J. K. Langlebigkeit beim Angler rind. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 14,50 p. 1951. 18 G312S

5049 HINZE, P. M. Infertility problems in dairy herds. Vet. Med. 47:397-404,406. Ref. Oct.1952. 41.8 M69

5050 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Inside Holstein headquarters. III. Holstein-Friesian World 49:2190-2191,2194-2195,2198. Oct.4, 1952. 43.8 H742

5051 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. The type and production year book, v. 8. Boston,1952. 1995 p. 43.9 H74T

5052 HUNTER, W. T. Impressions of Jersey Island cattle. Canad. Jersey Breeder 7(9):13,44-45. Sept.1952. 43.8 C165

5053 HUTCHINSON, J. A. I. in practice; from 500 gallons to 1,000 gallons in five years. Farmers Wk. [London] 37(16):67-68. Oct.17,1952. 10 F2226

5054 INDIAN COUNCIL OF AGRICULTURAL RESEARCH. A survey of important breeds and types of cattle in India. Indian Council Agr. Res. B. 17,38 p.and 71 pl. 1952. 22 In293B

5055 IYER, R. V. Methods of evaluation of semen quality for artificial insemination as adopted in the Artificial Insemination Centre, Madras. Indian Vet. J. 29:43-46. July 1952. 41.8 In2
Of cattle and buffaloes.

5056 JAMES, J. P. Artificial breeding and herd improvement in New Zealand. Vet. Rec. 64:557-565. Sept.20,1952. 41.8 V641
Cattle.
Includes discussion.

5057 JENNI, E. Bericht über die beurteilung der herdebuchstiere mit halteprämien 1952/53. Schweiz. Fleckviehzucht. Mitt. 4:4-7. Sept.1,1952. 43.9 V584M

5058 JOHNSTONE, G. H. The birth of a herd in the west country. Guernsey Breeders' J. [London] 6(3):18-19 Autumn 1952. 43.8 G932
Guernsey herd at Seale-Hayne Agricultural College.

5059 KARELIN, V. N. Potentialities for increasing the milk and meat productivity of cattle of the Brown Latvian breed. (In Russian.) Sovet. Zootekh. 7(5):19-23. May 1952. 49 So822

5060 KENNEDY, C. New days in the Old Dominion. Aberdeen-Angus J. 34(3):56-63,162,164,166. Oct.1952. 43.8 Ab3

5061 KNOPFF. Herbst- oder frühjahrskalbung? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1522,1524. Sept.18,1952. 18 L2346

5062 KOLLER, R. Der gegenwärtige stand der künstlichen befruchtung. Bauer 5(32):2-3. Sept.20, 1952. 19 B32
Cattle.

5063 LACHARME, R. La race Flamande. Opinion Econ. et Financ. 5(11):40-41. Mar.1952. 44 Op3

5064 LAGUTA, A. F. Controlled raising of the young cattle of the Brown Latvian breed. (In Russian.) Sofsialist. Zhivotnovod. 14(4):20-25. Apr.1952. 49 So71

5065 LAPARRA, C. Les races bovines de Haute-Auvergne, Gévaudan, Aubrac. Opinion Econ. et Financ. 5(11):37-38. Mar.1952. 44 Op3
The Salers and Aubrac breeds.

5066 LEFÈVRE, J. La race Normande. Opinion Econ. et Financ. 5(11):30-31. Mar.1952. 44 Op3

5067 LEMEUNIER, J. La race Armoricaine. Opinion Econ. et Financ. 5(11):39-40. Mar.1952. 44 Op3

5068 LEROY, A. M. Etude des résultats de contrôle laitier enregistrés en 1950 pour la race Normande. B. du HBN (n.s.)12:18-20. July 1952. 43.8 R11

5069 LEROY, A. M. La production animale française. Opinion Econ. et Financ. 5(11):47-50. Mar.1952. 44 Op3
Cattle breeding.

5070 LUTZ, E. Über viehzucht im Belgisch-Kongo mit spezieller berücksichtigung der "Grands Elevages" in den provinzen Katanga und Kasai. Schweiz. Arch. f. Tierheilk. 94:642-651. Oct.1952. 41.8 Sch9

5071 MCCARTHY, D. Herefords in the forefront. West. Livestock J. 30(53):48,123-124,126,130. Sept.15, 1952. 6 F2278

5072 MACFARLANE, F. L. Ganado Devon. Rev. Ganad. [Habana] 12(10):27-29. Oct.1952. 49 R321

5073 MAHADEVAN, P. A programme of progeny-testing Scindi cattle at Polonnaruwa Livestock Farm. Trop. Agr. [Peradeniya] 108:37-42. Jan./Mar.1952. 26 T751

5074 MAINARDI, B. Genetic appraisal of the bull. (In Italian.) Humus 7(2):25. Feb.1952. 16 H88

5075 MAULE, J. P. Breeding for milk production in India. Indian Dairyman 4:21-22. Aug.1952. 44.8 In282

5076 MILLER, L. D. West looks to greater expansion of its herds of Aberdeen-Angus. N. Mex. Stockman 17(9):30,116. Sept.1952. 49 N462

5077 MIRANDA, W. C. DE. How to obtain greater production from a bull. (In Portuguese.) Soc. Rur. Bras. Rev. 32(378):66-67. July 1952. 9.2 B733

5078 MONTERO CASTRO, R. E. El programa de prueba y mejoramiento de hatos lecheros que lleva a cabo el Departamento de Ganaderia del Ministerio de Agricultura e Industrias. Col. de Ingen. Agron. An. 4:24-27. 1951. 58.9 C82

5079 MORRISON, S. R. Opportunity unlimited! Small herd offers fine possibility not only for profit but also yields satisfaction. What is being done in Mississippi's Panola-Tate area can be done anywhere. Amer. Hereford J. 43(11):22-23,56. Oct.1,1952. 43.8 Am32

5080 NEUE bestrebungen in der Simmentaler fleckviehzucht. Grüne 80:981-993. Sept.5,1952. 17 Sch9

5081 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF DAIRYING. Dairy herd improvement; group recording in New South Wales, by I. W. Scott. Sydney,1951. 39 p. 43 N47D

5082 NEW ZEALAND DAIRY BOARD. HERD RECORDING COUNCIL. Sire survey and merit register. Ed. 8. Wellington,1952. 383 p. 43.9 N487

5083 NILSSON, N. E. New orientation of cattle breeding. (In Swedish.) Lantmannen 36:729-730. Sept. 13,1952. 11 L234

5084 OBEE, H. Die Vorderwälder. Tierzüchter 4: 488-490. Oct.5,1952. 49 T445

5085 ODLUM, G. M. One dairy breed for Britain? Dairy Farmer [Ipswich] 25(10):19. Oct.1952. 44.8 D1414

5086 O'DONOHUE, B. Friesians or Jerseys? Dairy Farmer [Ipswich] 25(10):23-24. Oct.1952 44.8 D1414

5087 ORMSBEE, R. Artificial breeding to proved sires. Calif. Dairyman 32(19):22-23. Oct.18,1952. 44.8 C12

5088 OZHIN, F. V. More extensive utilization of artificial insemination of cattle. (In Russian.) Sofsialist. Zhivotnovod. 14(3):26-30. Mar.1952. 49 So71

5089 PESCE, P. A. A breed for consideration: the Simmental. (In Italian.) B. dell'Agr. 86(36):1-2. Sept. 19,1952. 16 B87

5090 PINZÓN M., E. El problema ganadero colombiano en relación con las razas criollas. (Sum.) Rev. Nac. de Agr. 46(569):40-41. Sept.1952. 9.4 R32

5091 PROULX, J. R. L'insémination artificielle? Ferme 13(12):14-15. Aug.1952. 7 F38
Cattle in Canada.

5092 QUITTET, E. L'insémination artificielle, facteur de l'amélioration de la production laitière française. Opinion Econ. et Financ. 5(11):60-61. Mar. 1952. 44 Op3

5093 RIED, L. A. El descubrimiento del celo en los bovinos; su importancia en la inseminación artificial. Pampa Argentina 25(296):14. Aug.1952. 9 P19

5094 ROHLFES. Die tierzucht in Weser-Ems im hinblick auf die landestierschau. Landwirtbl. Weser-Ems 99:910-912. Sept.11,1952. 18 L2345

5095 ROTTENSTEN, K. I. Sammenlignende forsøg med fortynding af sæden 1:8 og 1:16. II. Befrugtningsevnen af frisk sæd i sammenligning med daggammel [I. Comparative experiments with the dilution of semen 1:8 and 1:16. II. Comparison of pregnancy rate of fresh and day old semen]. Denmark. Stat. Husdyrbrugsudv. Forsøgslab. Beret. 261,32 p. Ref. 1952. 104 D41
English summary.
Cattle.

5096 RUFIN, G. La race Pie Rouge de l'Est. Opinion Econ. et Financ. 5(11):35-36. Mar.1952. 44 Op3

5097 RUIZ MARTINEZ, C. Factores de la mejora ganadera. Agr. Venezol. 17(154):4-7. Jan./July 1952. 9.95 Ag8
Cattle.

5098 RUTHER. 60 jahre organisierte Rotbuntzucht in Westfalen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1735-1736. Oct.23,1952. 18 L2346

5099 SAINT-PAUL, VON. Die Ostpreussische Herdbuch-Gesellschaft 70 jahre alt. Tierzüchter 4:454-456. Sept.20,1952. 49 T445

5100 SCHMIDT, K., and JENICHEN, W. Versuche mit bullensperma zur differenzierung toter und lebender spermien mit der eosin-opalblau-färbung. Monatsh. f. Vetmed. 7:357-360. Sept.15,1952. 41.8 M742

5101 SCHWEIZERISCHER BRAUNVIEHZUCHTVERBAND. Bericht über das geschäftsjahr 1951. Schweiz. Braunviehzuchtverband. Mitt. 3:91-103. Aug.1952. 43.9 Sch93M

5102 SCHWEIZERISCHER FLECKVIEHZUCHTVERBAND. Geschäftsbericht pro 1951. Schweiz. Fleckviehzucht. Mitt. 3:3-16. July 31,1952. 43.9 V584M

5103 SCHWIZER, M. Die aufzucht von kälbern und jungvieh. Schweiz. Landwirt. Monatsh. 8:265-280. Aug.20,1952. 17 Sch93

5104 SCOTTI, G. G., and INTIGNANO, F. M. D'. Studies of new genealogical schemes for the selection of dairy cattle. (In Italian.) Humus 8(7/8):9-17. July/Aug. 1952. 16 H88

5105 ŠMALCELJ, I. Ein neues Simmentaler-zuchtgebiet in Jugoslawien. Schweiz. Landwirt. Monatsh. 8: 281-287. Ref. Aug.20,1952. 17 Sch93

5106 SMITH, G. F. Rebuilding an A. I. stud. Farmers Wk. [London] 37(16):63-64. Oct.17,1952. 10 F2226
Bulls of the Beccles A. I. Center, Great Britain.

5107 SNAPP, R. R. Beef cattle. With a chapter on sterility by H. Hardenbrook, Jr. Ed. 4. New York,Wiley, 1952. 641 p. Ref. 43 Sn1
Chiefly breeding and feeding.

5108 SOCIETE DES ELEVEURS DE BOVINS CANADIENS. Livre genealogique de la race bovine Canadienne, v. 8, pt. 1. Ottawa,1951. 56 p. 43.9 So12

5109 SPOOR, E. H. Hornless heads are "money in the bank" for breeders of Calif. Polled Herefords. Calif. Cattleman, Oct.1952:19. 43.8 C12

5110 DER STANDARD beim Simmentaler Fleckvieh. Le standard de la race tachetée rouge du Simmental. Schweiz. Fleckviehzucht. Mitt. 3:28-31. July 31,1952. 43.9 V584M

5111 STECKLEY, J. C. Fundamentals. Shorthorn News [Waterloo] 13(3):11. Sept.1952. 43.8 Sh85
Raising Shorthorns for beef.

5112 STEWART, D. L., and MELROSE, D. R. The comparative efficiency of the intracervical and intrauterine methods of insemination in the dairy cow. Vet. Rec. 64:605-607. Oct.11,1952. 41.8 V641

5113 STONE, W. H., and PALM, J. E. A disputed parentage case in cattle involving mosaicism of the erythrocytes. (Abs.) Genetics 37:630. Sept.1952. 442.8 G28

5114 STUMBO, W. Unfinished business (the best is yet to come). Brown Swiss B. 31(4):11-12. Oct.1952. 43.8 B81
Breeding Brown Swiss.

5115 SUÁREZ NELSON, M. Vacas esteriles. Chacra 22(263):16-17. Oct.1952. 9 C34

5116 SYNDICAT CENTRAL D'EXPORTATION. The Charollais cattle breed. Nevers,1952. 45 p. 43 Sy7Ae

5117 TIEDT, L. O. How is artificial breeding doing? Prog. Farmer, Tex. Ed. 67(11):15,163. Nov.1952. 6 T311
Dairy cattle.

5118 VEIGA, J. S., CHIEFFI, A., and ANDREASI, F. Birth weight and ponderal growth of crossbreed Holstein cattle on a farm in Campinas (State of São Paulo). (In Portuguese.) Cong. Bras. de Vet. An. 5:309-320. Ref. 1950,pub.1951. 41.9 C7695A
English summary.

5119 VEIGA, J. S. Recent progress in the examination of bovine semen to estimate its fertilizing capacity. (In Portuguese.) Cong. Bras. de Vet. An. 5:135-151. Ref. 1950,pub.1951. 41.9 C7695A

5120 VILLIERS, G. 150 years ago—Guernsey blood in other breeds. Guernsey Breeders' J. [London] 6(3):38. Autumn 1952. 43.8 G932

5121 WAEL, J. DE, BOIS, W. DE, and HENDRIKSE, J. An objective method to determine the number of spermatozoa in the semen of bull. (In Dutch.) Tijdschr. v. Diergeneesk. 77:807-814. Nov.1,1952. 41.8 T431
English summary.

5122 WALTER, L. 30 jahre kurhessische Fleckviehzucht. Tierzüchter 4:461-463. Sept.20,1952. 49 T445

5123 WEBER. Staatliche bezirks-rindviehschauen im Oberschwäbischen Fleckviehzuchtverband Ulm (Donau). Tierzüchter 4:465-466. Sept.20,1952. 49 T445

5124 WIETHE-KORPRICH, M. Einige betrachtungen über die farbvererbung beim rind. Z. f. Tierzücht. u. Züchtbiol. 60:205-208. July 1952. 442.8 Z35

5125 WILCZYNSKA, H. La race Brune des Alpes. Opinion Econ. et Financ. 5(11):33-34. Mar.1952. 44 Op3

5126 WISHART, D. S. Artificial insemination in dairy cattle; its uses and limitations under Australian conditions. Victoria. Dept. Agr. J. 50:376-379,383. Aug. 1952. 23 V66J

5127 WU, S. H., ELLIKER, P. R., and MCKENZIE, F. F. Microorganisms in dairy bull semen as related to fertility. Oreg. Agr. Expt. Sta. Tech. B. 24,22 p. Ref. July 1952. 100 Or3S

5128 WÜNSCHE, K. Über das verhalten der spermatozoen im brunstschleim des rindes. Wien. Tierärztl. Monatsschr. 39:545-548. Sept.1952. 41.8 T345
English summary.

5129 YAPP, W. W. The fourth dimension. Holstein-Friesian World 49:2338-2339,2440. Oct.18,1952. 43.8 H742
Improving dairy cattle.

5130 ZIMMERMANN. Kritische betrachtungen der Fleckviehzucht Nordbadens anhand der zuchtviehschau des Landkreises Buchen. Bad. Landwirt. Wchnbl. 119(36): II-III. Sept.7,1952. 18 B142

Feeds and Feeding

5131 ABOL', T. P., and SHUTOVA, V. A. Effect of juicy feeds on milk and butter quality [of Red Steppe cattle]. (In Russian.) Sovet. Zootekh. 7(5):61-66. May 1952. 49 So822

5132 ALLEN, N. N. Feed supplements with grassland farming. Feedstuffs 24(38):26-27. Sept.20,1952. 286.81 F322
Dairy cattle feeding.

5133 AMSCHLER, J. W., and RUPP, G. Untersuchungen über die wirkung der freilandhaltung auf futterverbrauch und leistung einer Braunviehherde in Tirol. Z. f. Tierzücht. u. Züchtbiol. 60:173-192. Ref. July 1952. 442.8 Z35

5134 ARCES, J. D'. Le sevrage des veaux. Elevage et Cult. 4(45):9-10. Sept.1952. 24 EL2

5135 AYRIGNAC. Les "montagnes" d'Auvergne. Opinion Econ. et Financ. 5(11):18-19. Mar.1952. 44 Op3
Cattle pastures.

5136 BECKMAN, H. J. Feeding 400 calves the bottle way. West. Dairy J. 8(12):15-16. Oct.1,1952. 44.8 W524

5137 BESON, W. M. 2,000 pounds of beef per acre. Natl. Live Stock Prod. 31:6. Nov.1952. 280.38 N21
Feeding.

5138 BEHRENDT-RUPENNEST. Von der weide zur stallfütterung—rechtzeitiger abtrieb. Landwirtbl. Weser-Ems 99:1008-1009. Oct.2,1952. 18 L2345
Cattle feeding.

5139 BOHSTEDT, G. Supplementing home grown feeds for dairy cattle. Feedstuffs 24(43):45-47. Oct. 25,1952. 286.81 F322

5140 BROCKINTON, R. This time coast area talks cows for keeps; once a heavily populated cow area, lower Georgia coast now reclaims acres for improved pasture and stronger industry. South. Livestock J. 12(4):14-15, 112-113. Oct.1952. 43.8 F66A

5141 BURROUGHS, W., and others. Grass silage, chopped cornstalks and various supplemental feeds for wintering yearling steers. Iowa. Agr. Expt. Sta. FSR-54 5 p. June 1952. 100 Io9Fs
C. W. McDonald, J.M. Scholl, and B. Zimmerman, joint authors.

5142 CHARLET-LÉRY, G. L'alimentation de la vache laitière. Opinion Econ. et Financ. 5(11):54-55. Mar.1952. 44 Op3

5143 CHOHLIS, J. Efficiency—partner in the feedlot. West. Livestock J. 30(53):54,162,164,166. Sept.15, 1952. 6 F2278
Cattle feeding.

5144 COMMISSIE VAN BEHEER C. L. O. MENGVOEDERS. Wetenschapvoor de praktijk. Resumé's [!] meeting op 27 en 28 februarie, over veevoedingsvraagstukken en aanverwante problemen, ter gelegenheid van de jaarvergadering C. L. O.-contrôle in het jaarbeursgebouw, te Utrecht ["Science for use." Summaries. [!] Meeting of February 27 and 28 on cattle feeding and related problems, on the occasion of the annual meeting of the C.L.O. Inspection Service in the exhibition building at Utrecht]. De Schothorst,1952. 61 p. 389.7 C73

5145 CORRIE, F. E. Feeding farm animals. 63-64. Feeding dairy cows. Fert. Feed. Stuffs & Farm Supplies J. 38:670-671,673,717-719. Oct.15-29,1952. 57.8 F413

5146 CULBERTSON, C. C. Supplementing home-grown feeds for beef cattle. Feedstuffs 24(41):60,62-65. Oct.11,1952. 286.81 F322

5147 DAVIDOV, R. B., and GAĬDASH, V. A. Effect of varied portions of flaxseed cake for cows on milk composition and properties and cheese quality. (In Russian.) Sovet. Zootekh. 7(4):83-89. Apr.1952. 49 So822

5148 DUCK, R. W. Before and after calving; what to feed, how much and when. Rur. New-Yorker 102:547, 587. Sept.6,1952. 6 R88

5149 ELAM, F. L. Cows like it green. Hoard's Dairyman 97:760. Sept.25,1952. 44.8 H65
Green chopped alfalfa.

5150 ESKEDAL, H. W. Feed mixtures for dairy cattle poor in fat. (In Danish.) Dansk Landbr. 71:459-460. Sept.25,1952. 280.28 V91

5151 FAVRESSE, S. Essais d'engraissement de "baby beef." Ann. de Gembloux 58:163-174. Third Q. 1952. 13 G28

5152 FERRIN, E. F. Making money from roughages; cattle and sheep are especially designed for the processing of cheap roughages of the farm often wasted. Shorthorn World 37(14):11,31-33. Oct.10,1952. 43.8 Sh8

5153 GALGAN, M. W., and others. Grass and grass-alfalfa pastures supplemented with grain for beef production in eastern Washington. Wash. Agr. Expt. Sta. C. 164,rev.,8 p. Sept.1952. 100 W27S
M. E. Ensminger, W. E. Ham, B. H. Schneider, J. L. Schwendiman, I. R. Adlard, and J. K. Patterson, joint authors.

5154 GILL, J. B. Three methods of finishing steers for market compared; grazing nets most. Miss. Farm Res. [Miss. Sta.] 15(9):8. Sept.1952. 100 M69Mi

5155 GORDON, C. H., DAWSON, J. R., and MOORE, L. A. Feeding value of different grades of alfalfa hay for growing dairy heifers. J. Dairy Sci. 35:755-763. Sept. 1952. 44.8 J822

5156 GUS'KOV, T. D. Our method of fattening [beef] cattle. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:73-74. May 1952. 20 D742

5157 HARTMAN, A. M., and DRYDEN, L. P. Failure of cobalt added to the rations of dairy cows to increase the vitamin B_{12} potency of the milk. Arch. Biochem. & Biophys. 40:310-313. Oct.1952. 381 Ar2

5158 HARVEY, J. M. Copper deficiency in ruminants in Queensland. Austral. Vet. J. 28:209-216. Ref. Aug.1952. 41.8 Au72
Cattle and sheep.
Includes discussion.

5159 HEDLER, L. Untersuchungen über den einfluss einer milcharmen jugendernährung auf die körperentwicklung und die verdauungsvorgänge bei kälbern. Z. f. Tierzücht. u. Züchtbiol. 60:117-172. July 1952. 442.8 Z35

5160 HENNAUX, L., ANTOINE, A., and LECOMTE, R. L'influence de l'alimentation sur la teneur du colostrum en vitamine A et en carotène. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:251-256. 1951. 105.1 G285

5161 HENRIQUES, E. Fall thoughts. (In Danish.) Dansk Landbr. 71:488-489. Oct.9,1952. 280.28 V91
Feeding and care of the cattle.

5162 HEYDE. Erfahrungen in der verwertung von zuckerrübenblatt. Grünland 1:68-69. Sept.1952. 18 G922
As cattle feed in Germany.

5163 HIBBS, J. W., CONRAD, H. R., and POUNDEN, W. D. Ohio high roughage system reduces cost of raising herd replacements. Ohio Farm & Home Res. [Ohio Sta.] 37:71,82-83. Sept./Oct.1952. 100 Oh3S
Dairy cattle.

5164 HIGAKI, S., and IMAI, T. Utilization of urea in ruminants. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:203-208. Ref. Mar.1952. 49.9 C434
English summary and tables.
Fed to Holstein-Friesian cattle.

5165 HIRSCHMANN. Kleine handelsfuttermittelkunde für den milchviehstall. Allgäuer Bauernbl. 20: 530-531. Sept.25,1952. 18 AL53

5166 HODGSON, R. E. Legumes in dairy pasture. (Sum.) Butter-fat 30(7):2. Oct.1952. 44.8 B98

5167 HORNICH, H. Bäuerliche rindviehmast: die neuzeitliche mast von rindvieh aller altersklassen mit solchen futtermitteln, die der landwirt selbst erzeugt. Ed. 2, rev. Graz,Stocker,1951. 90 p. 389.7 H78B

5168 HUFFMAN, C. F. Lactation-stimulating factors in dairy feeds. Grain & Feed J. Consolidated 109(7):31-32. Oct.8,1952. 298.8 G762

5169 ISHII, S., and INUDO, Y. Feeding of the milk cow with the sweet potato silage and urea. (In Japanese.) Kyushu Noji Shikinjo 8:121-122. Oct.1951. 107.6 K996

5170 KIMBERLIN, K. Sound planning pays off when feeding cattle. Co-op. Shipper 32(9):10-12. Sept.1952. 280.38 C78
Beef cattle.

5171 KLOSTERMAN, E. W., and MOXON, A. L. Feeding poor hay will produce quality steers if protein supplements are used. Ohio Farm & Home Res. [Ohio Sta.] 37:81. Sept./Oct.1952. 100 Oh3S

5172 KNOPFF. Das grundfutter bei der fütterung der milchkühe. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1733-1734. Oct.23,1952. 18 L2346

5173 KNOPFF. Grundsätze bei der fütterung der milchkühe. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1695-1696. Oct.16,1952. 18 L2346

5174 KUZ'MIN, I. G. Method of developing and fattening steers under conditions of collective farms in the steppe districts of the South East of U.S.S.R. (In Russian.) Sovet. Zootekh. 7(4):41-46. Apr.1952. 49 So822

5175 KUZNETSOV, I. M., and MAGIDOV, G. A. Working out and introducing standard feed rations. (In Russian.) Sotsialist. Zhivotnovod. 14(4):7-12. Apr.1952. 49 So71
Example from dairy industry.

5176 LEBEDEV, I. A. Raising calves on rations with a minimum of concentrated feed. (In Russian.) Sovet. Zootekh. 7(5):31-43. May 1952. 49 So822

5177 LEIGHTON, R. E., and HUFF, J. S. Dried skimmilk in rations for dairy calves. Tex. Agr. Expt. Sta. Prog. Rpt. 1482,2 p. Aug.4,1952. 100 T31P

5178 LIEBELT, M. A. Silage as a fodder for dairy cows. So. Austral. Dept. Agr. J. 56:3-10. Aug.1952. 23 So84

5179 LIMA, M. A. DE. Adlay in dairy cattle feeding. (In Portuguese.) Rev. dos Criadores 23(7):8-9. July 1952. 43.8 R32

5180 LITTLE, C. J., and WOLCOTT, A. R. Barn-dried hay versus hay crop silage for winter feeding of dairy cows. Mich. Agr. Expt. Sta. Q. B. 35:10-15. Aug. 1952. 100 M58S

5181 LITTON, G. W. Study problems of marketing grass. Shorthorn World 37(12):15,55-57. Sept.10,1952. 43.8 Sh8
Beef cattle on pasture in Virginia.

5182 LOOSLI, J. K., and WARNER, R. G. Antibiotics for dairy animals. Farm Res. [N. Y. State Sta.] 18(3): 3. July 1952. 100 N48A

5183 MCINTOSH, O. O. Next spring's calf crop is being made now. South. Livestock J. 12(4):26,100. Oct. 1952. 43.8 F66A
Feeding cows.

5184 MAGEE, A. C. Feed reserves—drouth insurance for beef producers. Tex. Livestock J. 11(9):9,58. Sept.1952. 49 T29

5185 MAJOR, R. L. Heads and tails: winter feeding for dairy cattle. Guernsey Breeders' J. [London] 6(3):43-46. Autumn 1952. 43.8 G932

5186 MALTERRE, J. Pratique de l'alimentation de la vache laitière. Opinion Econ. et Financ. 5(11):56-57. Mar.1952. 44 Op3

5187 NIELSEN, J. Forsøg med store grovfodermængder til malkekøer [Experiments with great quantities of roughage for dairy cows]. Denmark. Stat. Husdyrbrugsudv. Forsogslab. Beret. 262,95 p. 1952. 104 D41
English summary.

5188 PACKHAM, A. Feeding dairy cows for production. So. Austral. Dept. Agr. J. 56:17-18. Aug.1952. 23 So84

5189 PERRY, T. W., and BEESON, W. M. Corn cobs, popcorn cobs, cottonseed hulls and grass silage as roughages for growing steers. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:157-162. Oct.1952. 281.8 Am32

5190 PRICE, W. V. Effect of grass silage on quality of milk and milk products. Milk Dealer 41(12): 124,126-128,130,132-133. Ref. Sept.1952. 44.8 M595

5191 SCHUMMER, J. Erfahrungen mit trockengras. Landwirt. Z. der Nord-Rheinprov. 119:900. Aug.23, 1952. 18 L2344
Dairy cattle feeding experiment.

5192 SHVABE, A. K. Effect of nutritive factors on composition of milk and yield of cheese. (In Russian.) Vsesoîûzn. Nauch.-Issled. Inst. Syrodel'noi Promysh. Trudy 1:87-174. Ref. 1951. 44.9 V96

5193 SJOLLEMA, B. Over de oorzaken en gevolgen van irrationele opname van macro-elementen bij melkkoeien en de behoefte van melkkoelen aan deze elementen. On the causes and consequences of irrational intake of macro-elements by dairy cows and their requirements of these elements. Inst. v. Mod. Veevoeding "De Schothorst." Meded. S38,104 p. 1951/52. 389.79 H76
English summary.

5194 SMITH, G. A. More beef from the Kimberleys. II. West. Austral. Dept. Agr. J. (ser.3)1:287,289,291-294. May/June 1952. 23 W52J
Chiefly feeding and nutrition with especial reference to adequate minerals.

5195 SMITH, J. G. What about silage? West. Livestock 38:15,63,66,75. Aug.1952. 49 W523
In beef cattle feeding.

5196 STRELÎUCHENKO, I. F. Effect of feeding rich milk to calves on fat content [in milk]. (In Russian.) Agrobiologiîà 4:94-97. July/Aug.1952. 20 Ag822

5197 SUTHERLAND, D. N. Copper deficiency in cattle in Queensland. Austral. Vet. J. 28:204-208. Ref. Aug.1952. 41.8 Au72

5198 SWEGLE, W. Grain adds something to roughage. Hoard's Dairyman 97:843,847. Oct.25,1952. 44.8 H65

5199 TAYLOR, P. V. They said it couldn't be done. Hoard's Dairyman 97:816-817. Oct.10,1952. 44.8 H65
Cattle feeding with mixed grasses and legumes.

5200 TOLNER, J. More milk, fat and calves through trace elements. (In Dutch.) Nieuwe Veldbode 18:819. Sept.18,1952. 12 V542N

5201 TOMMÉ, L., and others. On pre-slaughter maintenance of [beef] cattle. Mîàsnaîà Indus. SSSR. 23(4): 38-40. July/Aug.1952. 50.8 M58
R. Mozgovaîà, S. Karavaeva, and I. Muravin, joint authors.
Feeding.

5202 TOPOLEV, N. V. Otkorm krupnogo rogatogo skota na zhome i barde [Fattening cattle on bagasse and distillers' by-products]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 147 p. 43 T62

5203 TWIJNSTRA'S (U.) OLIEFABRIEKEN, N. V. Handleiding bij de opfok van kalveren [Guide for rearing calves]. Akkrum,1951? 31 p. 389.7 T92
Feeding.

5204 VARDIMAN, P. H. Experimental feeding of Senecio silage to calves. Amer. Vet. Med. Assoc. J. 121: 397-400. Nov.1952. 41.8 Am3

5205 VEIGA, J. S., and RIBEIRO, O. F. Estrogens in forage plants and their possible effect on the fertility of cattle herds in the nation during wet and dry seasons. (Preliminary note.) (In Portuguese.) Cong. Bras. de Vet. An. 5:455-457. 1950,pub.1951. 41.9 C7695A
English summary.
From Pennisetum clandestinum and Panicum maximum.

5206 VOGEL, H. Neuzeitliche milchviehfütterung. Landwirt. Wchnbl. 142:1244. (Cont.) Nov.1,1952. 18 L2338
Germany.

5207 VOROTILOV, M. A. On leading methods in fattening [beef] cattle. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:74-77. May 1952. 20 D742

5208 WAUGH, R. K., and FAIRES, E. W. More proof about Ladino. Res. & Farming [N. C. Sta.] Prog. Rpt. 10: 11. Summer 1951. 100 N81R
Effect on milk production.

5209 WEHMEYER. Wenn die weide nachlässt—was dann tun? Landwirtbl. Weser-Ems 99:862-863. Aug.28, 1952. 18 L2345
Cattle feeding.

5210 WHITE, H. P. Calfhood to 1,100 pounds in 16 months with grain on grass. Natl. Live Stock Prod. 31:8,19. Nov.1952. 280.38 N21

5211 WILLERS, K. Ox hotel. (In Afrikaans.) Landbouweekblad 34(1732):12-13. Sept.24,1952. 24 L232
Fattening station.

5212 WILLIAMS, J. C., SMITH, G. L., and JONES, J. H. Finely ground peanut hulls and prairie hay in rations for fattening steers. Tex. Agr. Expt. Sta. Prog. Rpt. 1483,3 p. Aug.9,1952. 100 T31P

5213 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Don't put your cows in this picture; woods pastures don't pay. Wis. Agr. Col. Ext. Spec. C. 30,2 p. May 1952. 275.29 W75S

5214 WOLF, D. C. Urea helps stalks and cobs make low-cost beef. Country Gent. 122(10):36,82-83. Oct.1952. 6 C833

Veterinary Medicine

5215 AITKEN, W. A. Cornstalk poisoning. Amer. Vet. Med. Assoc. J. 121:402-403. Nov.1952. 41.8 Am3
Cattle.

5216 AKOPÎAN, E. SH. Living vaccine in emphysematous carbuncle in cattle. (In Russian.) Veterinariîa 29(10):15-18. Oct.1952. 41.8 V6426

5217 ALIKAEV, V. A., LEBEDEV, P. T., and BALAKIREVA, G. A. Utilization of plasmon in veterinary practice. (In Russian.) Veterinariîà 29(7):53-54. July 1952. 41.8 V6426
Treatment of diarrhea in calves.

5218 ALSTON, J. T. Surgery for milk fistula. Vet. Med. 47:437-438. Oct.1952. 41.8 M69
In cows.

5219 ANDERSON, E. E. Drying off the dairy cow. N. Mex. Stockman 17(9):90. Sept.1952. 49 N462

5220 APICE, M. D'. Bovine brucellosis. (In Portuguese.) Cong. Bras. de Vet. An. 5:153-174. Ref. 1950, pub.1951. 41.9 C7695A
English summary.
Control in São Paulo State.

5221 APICE, M. D'. Brucellosis in cattle. (In Portuguese.) Soc. Rur. Bras. Rev. 32(377):39-40. June 1952. 9.2 B733

5222 ARRIBAS M., F. La tuberculosis bovina y aviar en Guatemala. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):25-26. July/Dec.1950,pub.July 10, 1952. 8 G934

5223 ASCOLI, A. How experimentation has aided clinical knowledge in tuberculosis immunization. (In Italian.) Ist. Vaccinogeno Antitubere. Not. 2:63-70. Apr./June 1952. 41.9 Is7
English summary.
Cattle.

5224 BABUDER, C. Prva pomoć oboleloj stoci [First aid for sick cattle]. Beograd,Zadružna Knjiga, 1951. 43 p. 41 B112

5225 BADRELDIN, A. L., and GHANY, M. A. Adaptive mechanisms of buffaloes to ambient temperature. Nature [London] 170:457-458. Sept.13,1952. 472 N21

5226 BAGDANOV, P. A., KUZNETSOV, V. S., and STUDENTSOV, P. S. On some problems of epizootiology of tuberculosis in cattle and in swine. (In Russian.) Veterinariîà 29(8):39-41. Aug.1952. 41.8 V6426

5227 BAKKER, D. D. Outbreak of foot and mouth disease in the Noordpolder. (In Dutch.) Tijdschr. v. Diergeneesk. 77:680-682. Sept.15,1952. 41.8 T431
English summary.

5228 BAKSHAEV, A. Control of skin diseases in cattle during fattening with malt grains. (In Russian.) Mîàsnaîà Indus. SSSR. 23(3):58-59. May/June 1952. 50.8 M58

5229 BALLANTYNE, E. E. Shipping fever of cattle (hemorrhagic septicemia). Alberta. Dept. Agr. Ext. Serv. B. 88,14 p. Sept.1952. 275.29 AL122

5230 BAREI, S., and NARDELLI, L. Tuberculin in veterinary medicine with particular reference to the intradermic test in cattle. III. (In Italian.) Clin. Vet. 75: 197-213. July 1952. 41.8 C61

5231 BARETTA, J. W. Preliminary investigation in the field of determination of blood groups of cows. (In Dutch.) Tijdschr. v. Diergeneesk. 77:785-800. Ref. Nov.1,1952. 41.8 T431
English summary.

5232 BEATTIE, J. H., and LEAMING, J. D. Prophylactic and therapeutic use of aureomycin in retained placenta in cows. Vet. Med. 47:451-452. Nov.1952. 41.8 M69

5233 BEAU, M. Le troupeau bovin danois est entièrement exempt de tuberculose. Indus. Lait. (n.s.) 71:174. Aug.1952. 44.8 In2

5234 BECKER, E. Beitrag zur behandlung der schlundverstopfung beim rind. Tierärztl. Umschau 7:337-338. Sept.1952. 41.8 T445

5235 BEIJER, W. H. Methane fermentation in the rumen of cattle. Nature [London] 170:576-577. Oct.4, 1952. 472 N21

5236 BELVEDERESI, V. Congenital anomaly in a newborn calf. (In Italian.) Prog. Vet. 6:656-657. Nov.15, 1951. 41.8 P942

5237 BENNETT, S., and HALPERN, E. Bloat survey in the Municipality of Kentish, North-West Coast, 1951-52. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:230-234. Aug.1952. 23 T182T
Bloat in dairy cattle.

5238 BENOIT, R., and DAPPLES, C. Granulome de Roeckl. Schweiz. Arch. f. Tierheilk. 94:523-525. Aug. 1952. 41.8 Sch9
English summary.
Cattle.

5239 BILLINGHAM, R. E., and others. Tolerance to homografts, twin diagnosis, and the freemartin condition in cattle. Heredity 6:201-212. Aug.1952. 443.8 H42
G. H. Lampkin, P. B. Medawar, and H. L. Williams, joint authors.

5240 BLACKBURN, P. S. Reviews of the progress of dairy science. J. Dairy Res. 19:356-376. Ref. Oct. 1952. 44.8 J823
Disease research.

5241 BOLZ, W. Ein beitrag zum kaiserschnitt beim rind. Tierärztl. Umschau 7:364-368. Oct.1952. 41.8 T445

5242 BOOGAERDT, A. Uterine torsion in the 9th month of pregnancy. (In Dutch.) Tijdschr. v. Diergeneesk. 77:684-685. Sept.15,1952. 41.8 T431
English summary.
Cattle.

5243 BORCHERT, A. Die trichomonadenseuche der rinder: übersichtsreferat unter besonderer berücksichtigung der neueren literatur. Monatsh. f. Vetmed. 7:361-368. (Cont.) Sept.15,1952. 41.8 M742

5244 BOZHEVOL'NOV, P. I. Trichomoniasis [in cattle] and measures for controlling it. (In Russian.) Veterinariia 29(7):29-31. July 1952. 41.8 V6426

5245 BROOKSBY, J. B. Vesicular stomatitis and foot-and-mouth disease; analysis of mixed infection in cattle. J. Hyg. 50:394-404. Sept.1952. 449.8 J82

5246 BRUERE, A. N. An association between leptospirosis in calves and man. Austral. Vet. J. 28:174. July 1952. 41.8 Au72

5247 BRYANT, M. P. The isolation and characteristics of a spirochete from the bovine rumen. J. Bact. 64: 325-335. Ref. Sept.1952. 448.3 J82

5248 CHRISTENSEN, E., and CHRISTENSEN, N. O. Congenital hereditary paralysis in calves. (In Danish.) Nord. Vetmed. 4:861-878. Ref. Sept.1952. 41.8 N813
English summary.

5249 CORRÊA, O. Research on agglutinins in cattle ingesting dead Brucella. (In Portuguese.) Granja [Porto Alegre] 8(63):46-47. June 1952. 9.2 G76

5250 CRAIG, J. Vibriosis (vibrio foetus infection) recorded in South-West herds. West. Austral. Dept. Agr. J. (ser.3)1:313-314. May/June 1952. 23 W52J
In cattle.

5251 CRAWSHAW, H. A. Further observations upon the use of "Anthiomaline" in the treatment of multiple papillomata in the bovine. Vet. Rec. 64:596. Oct.4,1952. 41.8 V641

5252 CURTO, R. Seasonal diseases of the newborn calf. (In Italian.) Prog. Vet. 7:626-628. Sept.15,1952. 41.8 P942

5253 DAIGELER, A. Die leistungsfähigkeit der bakteriologischen untersuchungsmethoden bei der untersuchung von milch- und trachealschleimproben auf tuberkelbakterien. Deut. Tierarztl. Wchnschr. 59:258-260. Ref. Sept.1,1952. 41.8 D482
Cattle.

5254 DALE, D. G. Bovine leptospirosis. Holstein-Friesian J. 15(7):19. Oct.1952. 43.8 H743

5255 DAPPLES, C. Tuberculose bovine et technique d'autopsie. Schweiz. Arch. f. Tierheilk. 94:592-593. Sept.1952. 41.8 Sch9

5256 DAVIS, C. L., and LEADBETTER, W. A. Fatal brain hemorrhage in a bull caused by the cattle grub (Hypoderma bovis). No. Amer. Vet. 33:703-705. Oct. 1952. 41.8 N812

5257 DE GARIS, J. E. Guernsey free from foot-and-mouth disease. Guernsey Breeders' J. [London] 6(3):47-48. Autumn 1952. 43.8 G932

5258 DELFINO, F., and FERRARI, L. On a toxic-allergic-disvitaminic syndrome in suckling calves, produced by strongyloides in the intestines. (In Italian.) Clin. Vet. 75:214-218. July 1952. 41.8 C61

5259 DENMARK. LANDBRUGSRAADET. The farmers of Denmark have defeated bovine tuberculosis. World Agr. 1:10-11. Aug.1952. 6 W893

5260 DÉOM, J. Note sur un remède spécifique contre la theilériose. Path. Gén. 52:438-439. June 1952. 448.8 R326
Cattle.

5261 DIJKSTRA, J. M. Control of foot-and-mouth disease. (In Dutch.) Tijdschr. v. Diergeneesk. 77:646-648. Sept.1,1952. 41.8 T431

5262 DIMOCK, W. W. Johne's disease: environment and management. I. Vet. Med. 47:443-447. Nov.1952. 41.8 M69

5263 DRURY, A. R. Evaluation of neomycin sulfate in treatment of bovine mastitis. Vet. Med. 47:407-411. Oct.1952. 41.8 M69

5264 EDGINGTON, B. H., KING, N. B., and FRANK, N. Comparative tests of the protective value of Huddleson's mucoid and strain 19 vaccines in cattle. II. Amer. J. Vet. Res. 13:441-445. Oct.1952. 41.8 Am3A

5265 EHRLICH. Stand der tuberkulosebekämpfung in Westfalen und Lippe. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1658-1659. Oct.9,1952. 18 L2346
Cattle.

5266 EHRLICH. Zur güteverbesserung der milch gehört der eutergesundheitsdienst. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1736-1737. Oct.23,1952. 18 L2346

5267 FEY, H. Die bedeutung der serologischen typendiagnose bei der pneumokokkensepsis des kalbes (kälbermilzbrand) mit vorläufigen eigenen typisierungsergebnissen. Schweiz. Arch. f. Tierheilk. 94:636-642. Ref. Oct.1952. 41.8 Sch9
English summary.

5268 FITZGERALD, P. R., and others. Relative efficacy of various methods of obtaining preputial samples for diagnosis of trichomoniasis in bulls. Amer. J. Vet. Res. 13:452-457. Oct.1952. 41.8 Am3A
D. M. Hammond, M. L. Miner, and W. Binns, joint authors.

5269 FORD, J. E., KON, S. K., and PORTER, J. W. G. Some properties of vitamin B_{12}-like factors from calf faeces. 3. Further biological properties and interrelationships. (Sum.) Biochem. J. 52:viii. Sept. 1952. 382 B52

5270 FOUCHE, C. J. H. Great success with new heartwater treatment; Jerseys in the Rustenburg district. (In Afrikaans.) Landbouweekblad 34(1731):15. Sept.17, 1952. 24 L232

5271 GALLINA, L. The use of synthetic estrogens. (In Italian.) Prog. Vet. 7:502-503. July 15,1952. 41.8 P942
Cattle.

5272 GANIS, R. Tarsometatarsal arthrodesis in a cow. Amer. Vet. Med. Assoc. J. 121:262-263. Oct.1952. 41.8 Am3

5273 GENEROSO, J. D. Rinderpest in the Philippines. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.338-348. Manila,Graphic House,1952. 37 P533

5274 GILON, S. The control of bovine tuberculosis at Nahalal. (In Hebrew.) Refuah Vet. 9:41-42. Apr.1952. 41.8 R25
English summary, p. 62.

5275 GLOVER, R. C. Deaths of cattle from lead arsenate poisoning. Vet. Rec. 64:548-550. Sept.13,1952. 41.8 V641

5276 GOODMAN, A. A. Fescue foot in cattle in Colorado. Amer. Vet. Med. Assoc. J. 121:289-290. Oct. 1952. 41.8 Am3
Similar title in No. Amer. Vet. 33:701-702. Oct.1952. 41.8 N812

5277 GORBACHEVA, A. P. Nitrogenous and amino acid metabolism in cows during the pasturing period. (In Russian.) Sovet. Zootekh. 7(4):100-104. Apr.1952. 49 So822

5278 GRAF, H. Ueber physostigmin-azetylcholin und muskeltätigkeit der überlebenden pansenwand des rindes. Tierärztl. Umschau 7:301-303. Ref. Sept.1952. 41.8 T445

5279 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Lead poisoning in calves. Gt. Brit. Min. Agr. & Fisheries. Anim. Health L. 43,4 p. Aug. 1952. 41.9 G792A

5280 GREGORY, T. S. A comparison of the effects of intracaudal and subcutaneous vaccination of calves with Brucella abortus, strain 19. 2. Austral. Vet. J. 28: 194-200. Aug.1952. 41.8 Au72

5281 GRUENBERG, B. An unusual case of foreign body in a cow. (In Hebrew.) Refuah Vet. 9:43-45. Apr. 1952. 41.8 R25
English summary, p. 61-60.

5282 GRZIMEK. Mit der hand durch den leib bis ans herz. Übersicht 3(9):56-62. Sept.1952. 18 Ub3
Surgery for removal of foreign bodies in cattle.

5283 HANCOCK, J. Studies in monozygotic cattle twins. VI. Uniformity trials: physiological and biochemical characteristics. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:131-152. Ref. Aug.1952. 514 N48A

5284 HARRIS, H. E., MCDANIEL, A. H., and ROARK, C. B. Cattle bloat on clover pastures. La. Agr. Expt. Sta. B. 469,8 p. June 1952. 100 L93

5285 HARTNELL, W. Why cows go off feed. Jersey B. 71:1330-1331. Sept.25,1952. 43.8 J48
Diseases, barn sanitation, etc.

5286 HAWLEY, G. E. Terramycin and serum therapy for shipping fever. Amer. Vet. Med. Assoc. J. 121:371-372. Nov.1952. 41.8 Am3
Calves.

5287 HERRICK, J. B. The value of pregnancy diagnosis in cattle. No. Amer. Vet. 33:699-700. Oct.1952. 41.8 N812

5288 HERRICK, J. B. Vibrio fetus infection. No. Amer. Vet. 33:775-776. Nov.1952. 41.8 N812
Cattle.

5289 HERVEY, M. C. Twins and triplets find answers. Hoard's Dairyman 97:841,852. Oct.25,1952. 44.8 H65

5290 HOLE, N. H. Johne's disease. I. Present-day diagnosis and a preliminary note on an investigation into the value of a serological method. Vet. Rec. 64:601-603. Oct.11,1952. 41.8 V641

5291 HUEBNER, R. A. Bovine penicillin blood levels obtained with parenteral benzethacil. Cornell Vet. 42:457-461. Oct.1952. 41.8 C81

5292 INNES, J. R. M., SEIBOLD, H. R., and ARENTZEN, W. P. The pathology of bovine mastitis caused by Cryptococcus neoformans. Amer. J. Vet. Res. 13:469-475. Ref. Oct.1952. 41.8 Am3A

5293 IYER, S. V. A study of the organisms responsible for outbreaks of black-quarter in the Madras State. Indian Vet. J. 29:27-34. July 1952. 41.8 In2
Cattle.

5294 JENSEN, R. Right heart failure. Calif. Vet. 5(6):18-19. July/Aug.1952. 41.8 C12
Brisket disease of cattle.

5295 KALMYKOV, S. T., and ORLOV, P. T. Treatment of acute gastro-intestinal diseases in newborn calves with "sintomitsin." (In Russian.) Veterinariia 29(9):53-54. Sept.1952. 41.8 V6426

5296 KARNAUSKAS, K. Acetonemia de las vacas. Soc. Antioqueña de Agr. B. Agr. 388:3583-3586. Aug. 1952. 9.4 So1

5297 KARSTEN. Sind veterinärpolizeiliche massnahmen zur tilgung des seuchenhaften verkalbens (Abortus Bang) für das ganze gebiet der Deutschen Bundesrepublik zur zeit zweckmässig und erfolgversprechend? Deut. Tierärztl. Wchnschr. 59:295-297. Oct.1,1952. 41.8 D482

5298 KEMPER, H. E., and PETERSON, H. O. Treatment of cattle scabies with lindane. Vet. Med. 47:453-455. Nov.1952. 41.8 M69

5299 KERR, W. R., and ROBERTSON, M. Effect of ACTH, cortisone, sphingomyelin, sphingosine and phenergan (antihistamine) in inhibiting the skin reaction in cattle sensitized to Trichomonas foetus antigen. J. Hyg. 50:354-375. Ref. Sept.1952. 449.8 J82

5300 KIDWELL, J. F. Muscular hypertrophy and "black cutter" beef. J. Hered. 43:157-158. July/Aug. 1952. 442.8 Am3
Anomalous condition in carcass; possible genetic origin.

5301 KISELEV, V. S. Effect of periodic intradermal injection of tuberculin on the allergic condition of the organism during tuberculosis in cattle. (In Russian.) Veterinariia 29(10):19-21. Oct.1952. 41.8 V6426

5302 KLUSSENDORF, R. C. Bovine practice: the treatment of ketosis. No. Amer. Vet. 33:774-775. Nov. 1952. 41.8 N812

5303 KLUSSENDORF, R. C. The diagnosis of [bovine] ketosis. No. Amer. Vet. 33:698-699. Oct.1952. 41.8 N812

5304 KURMANOV, I. A. On intestinal catarrh in cattle. (In Russian.) Veterinariia 29(10):53-54. Oct. 1952. 41.8 V6426

5305 LASSOIE, L. Les sinus osseux de la tête, chez la bête bovine. Ann. de Méd. Vét. 96:300-322. Ref. July 1952. 41.8 An78

5306 LEÃO, R. L. Treatment of cattle tick fever. (In Portuguese.) Rev. dos Criadores 23(7):29-31. July 1952. 43.8 R32

5307 LOPANE, T. Therapeutic action of "Helichrysum italicum" in some bovine mammary diseases. (In Italian.) Prog. Vet. 7:550,552. Aug.1/15,1952. 41.8 P942

5308 MCDONALD, L. E., NICHOLS, R. E., and MCNUTT, S. H. Studies on corpus luteum ablation and progesterone replacement therapy during pregnancy in the cow. Amer. J. Vet. Res. 13:446-451. Ref. Oct.1952. 41.8 Am3A

5309 MACHUL'SKII, S. N., KHUDIAKOV, M. A., and ELESEEV, K. M. Utilization of coal slag as a filler of benzene hexachloride dust. (In Russian.) Veterinariia 29(10):38-39. Oct.1952. 41.8 V6426
In treatment of mange on cattle and horses.

5310 MCNUTT, S. H. Will trace minerals control Bang's disease? Hoard's Dairyman 97:753. Sept.25,1952. 44.8 H65

5311 MAGDA, I. I., SHALDUGA, N. E., and VOSKOBOINIKOV, V. M. Some remarks in regard to rumenotomy [of cattle]. (In Russian.) Veterinariia 29(10):47-51. Oct.1952. 41.8 V6426

5312 MAINZER, I. H. Untersuchungen über die wirkung von ovarialhormonpräparaten auf die auslösung und den verlauf der laktation bei färsen und sterilen rindern. Berlin,1951. 96 p. 444 M285

5313 MALANDRINO, E. "Helvezina" in veterinary medicine; results of cures of brucellosis (Brucella abortus bovis agent). (In Italian.) Prog. Vet. 6:643-654,656. Nov.15,1951. 41.8 P942

5314 MANTOVANI, G., and VACIRCA, G. Recent investigations on bacillary pyelonephritis in cattle. (In Italian.) Prog. Vet. 7:498,500,502. July 15,1952. 41.8 P942

5315 MATHIEU, L. Tumeur du col de l'utérus, chez la vache. Rev. de Méd. Vét. [Toulouse] 103:203-204. Apr.1952. 41.8 R32

5316 MATHUR, A. C. Foot & mouth disease in Indian cattle. Indian Farming (n.s.)2(5):18-19. Aug.1952. 22 In283

5317 MENEZES, H. T. DE. Contribution to the study of bovine brucellosis in the Minas Gerais area. (In Portuguese.) Cong. Bras. de Vet. An. 5:649-657. 1950,pub. 1951. 41.9 C7695A

5318 MERRILL, S. D. Apple poisoning in dairy cows. Vet. Med. 47:405-406. Oct.1952. 41.8 M69

5319 MIALHE-VOLOSS, C. Action corticotrope des lobes antérieur et postèrieur de l'hypophyse du boeuf. Acad. des Sci. Compt. Rend. 235:743-745. Oct.6,1952. 505 P21

5320 MILUNOVIC, M. The Brucella abortus ring test in diagnosis and control of bovine brucellosis. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:493-505. Ref. 1952. 41.8 V6494
English summary.

5321 MONTGOMERY, G. A. New way to fight bloat. Capper's Farmer 63(10):22,36-37. Oct.1952. 6 M693
In cattle.

5322 MOULIN, P. Antibiothérapie et insémination artificielle dans le traitement des endométrites de la vache. Rec. de Méd. Vét. 128:19-25. Jan.1952. 41.8 R24

5323 NAI, D. D. The work for prevention of bovine tuberculosis in Italy. II. (In Italian.) Ist. Vaccinogeno Antituberc. Not. 2:71-82. Apr./June 1952. 41.9 Is7
English summary.

5324 NASCIMENTO, C. B. Artificial insemination as precursor of cattle health: the danger of metritis and other infections in cows. (In Portuguese.) Lav. e Criação 13(6):29. June 1952. 49 L392

5325 NAZARENKO, I. K. Cattle poisoning with sugar beet tops which were dusted with benzene hexachloride. (In Russian.) Veterinariia 29(9):44. Sept.1952. 41.8 V6426

5326 NETO, R. F. Fluorine in the bones and teeth of Brazilian cattle. (In Italian.) Ann. di Chim. 42:425-430. July/Sept.1952. 385 An7

5327 NICHOLSON, A. H. Towards full attestation. Farmer & Stock-Breeder 66(3284):45,47. Sept.30/Oct.1, 1952. 10 F228
Campaign against bovine tuberculosis in Great Britain.

5328 OLCESE, O., ACCAME, F., and INFANTE A., J. Determinación del peso vivo de vacunos lácteos adultos, en Lima, en función del perimetro toraxico. Agronomia [Lima] 17(70):120-125. July 1952. 9.8 Ag83

5329 OLSON, C., JR. Research clarifies mystery. Nebr. Cattleman 9:38,82. Sept.1952. 43.8 N27
Bovine hyperkeratosis.

5330 OVERBY, A. J. The effect of various antibiotics in milk following intramammary infusion. Nord. Vetmed. 4:993-1004. Ref. Oct.1952. 41.8 N813
Its use as a therapeutic agent for the elimination of bovine mastitis.

5331 PACKER, R. A. Six-year summary of laboratory diagnosis of mastitis in Iowa. No. Amer. Vet. 33: 777-778. Nov.1952. 41.8 N812

5332 PELLEGRINI, D., and GUARINI, G. The demonstration of deviating antibodies in serum of animals immunized against rinderpest by the method of modified deviation of the complement. (In Italian.) Clin. Vet. 75: 193-196. July 1952. 41.8 C61

5333 POUNDEN, W. D., HIBBS, J. W., and EDGINGTON, B. H. The activity of Streptococcus agalactiae in milk possibly influenced by the ration. Amer. J. Vet. Res. 13:486-490. Ref. Oct.1952. 41.8 Am3A

5334 PRASAD, S. N. Role of the Golgi apparatus in the oogenesis of Bos indicus, Bos bubalus and Ovis vignei. (Abridged.) Allahabad. U. Studies. Zool. Sect. 1951:31-50. Ref. 513 AL1Z

5335 PRYOR, J. E. Urinary calculi (Water belly). West. Livestock 38:18,70. Aug.1952. 49 W523
In cattle and sheep.

5336 RENDEL, J. M. White heifer disease in a herd of Dairy Shorthorns. J. Genet. 51:89-94. July 1952. 442.8 J823

5337 RICHMAN, H. A case of hydrops amnii successfully relieved by cesarean section. Amer. Vet. Med. Assoc. J. 121:267-268. Oct.1952. 41.8 Am3
In a cow.

5338 RICHOU, R., and others. Rapport entre l'immunité antistaphylococcique d'origine naturelle et l'infection de la mamelle chez les femelles bovines. Soc. de Biol. Compt. Rend. 146:636-638. May 1952. 442.9 P21
C. Gerbeaux, J. Jacquet, and P. Julienne, joint authors.

5339 RITCHIE, J. N. Foot and mouth disease: vaccination or slaughter? Brit. Farmer 50:6-7. Aug.30, 1952. 281.8 B77
Cattle.

5340 ROCHA, U. F., and VAZ, Z. Myiasis and perforation of the rumen in calves by larvae of Cochliomyia hominivorax Coquerel [i.e. Callitroga americana] -its economic significance. (In Portuguese.) Cong. Bras. de Vet. An. 5:659-664. Ref. 1950,pub.1951. 41.9 C7695A
English summary.

5341 ROCHE, J., DERRIEN, Y., and ROQUES, M Sur les hémoglobines du boeuf et sur leurs transformations au cours du développement foetal et aprés la naissance. Soc. de Biol. Compt. Rend. 146:694-697. May 1952. 442.9 P21

5342 RODÓN, J. M. Las aptitudes lecheras de las terneras. Cult. Mod. 35:287-288. Aug.1952. 15 C89
Udder formation.

5343 ROGER, M. Un symptôme anormal de vaginite. Rev. de Méd. Vét. [Toulouse] 103:204. Apr.1952. 41.8 R32
In a cow.

5344 RÖVEKAMP, H. Neue möglichkeiten in der behandlung der mastitis des rindes. Deut. Tierarztl. Wchnschr. 59:276-278. Sept.15,1952. 41.8 D482

5345 ROY, J. H. B. Before they calve—to milk or not to milk? Farmer & Stock-Breeder 66:54-55. Sept.16/17,1952. 10 F228

5346 SAENGER, O. Untersuchungen über das volumen der fettkügelchen und die fettverteilung in der milch beim ostfriesischen rind. Tierzüchter 4:484-486. Oct.5,1952. 49 T445

5347 SALISBURY, G. We're going to clean up brucellosis; dairy States move to stay ahead of market restrictions—Minnesota campaign shows farmers are ready to act. Capper's Farmer 63(10):73-75. Oct.1952. 6 M693

5348 SALOMON, J. Ein fall von einseitiger nierenhypoplasie bei einem kalb. Monatsh. f. Vetmed. 7:360-361. Sept.15,1952. 41.8 M742

5349 SARAĬKIN, I. M. Methods of determining the arterial blood pressure in cattle and in calves. (In Russian.) Veterinariîa 29(8):52-55. Aug.1952. 41.8 V6426

5350 SAROOP, H. H. Tuberculosis in cattle. Indian Vet. J. 29:47-49. July 1952. 41.8 In2

5351 SAUNDERS, L. Z., and others. Hereditary congenital ataxia in Jersey calves. Cornell Vet. 42:559-591. Ref. Oct.1952. 41.8 C81
J. D. Sweet, S. M. Martin, F. H. Fox, and M. G. Fincher, joint authors.

5352 SCHAAF, A. VAN D. The vital staining of bovine semen with a mixture of aniline blue and eosine. (In Dutch.) Tijdschr. v. Diergeneesk. 77:815-818. Nov.1, 1952. 41.8 T431
English summary.

5353 SCHIPPER, I. A. Mastitis—the powder and the fuse. Hoard's Dairyman 97:879. Nov.10,1952. 44.8 H65

5354 SCHIPPER, I. A. Terramycin checks calf infections. Amer. Vet. Med. Assoc. J. 121:393. Nov.1952. 41.8 Am3

5355 SCHOUPPÉ, K. VON. Die kastration von jungen kalbinnen von der flanke mit dem ovariotom nach Schouppé. Berlin. u. Münch. Tierärztl. Wchnschr. 65: 171-173. Sept.1952. 41.8 B45

5356 SHOCKEY, L. Misdiagnosis. Vet. Med. 47: 438. Oct.1952. 41.8 M69
Symptoms falsely diagnosed as "water belly" in calf.

5357 SIEIRO, F., and ROSENBUSCH, C. Comparative immunity experiments in cattle using live vaccines prepared from agglutinogenic and nonagglutinogenic Brucella abortus strains. Amer. J. Vet. Res. 13:476-485. Ref. Oct.1952. 41.8 Am3A

5358 SIGNOL, J. Endocardite végétante, chez une vache. Rev. de Méd. Vét. [Toulouse] 103:200-203. Apr. 1952. 41.8 R32

5359 SIKES, D., and BRIDGES, M. E. Experimental production of hyperkeratosis ("X disease") of cattle with a chlorinated naphthalene. Science 116:506-507. Nov.7,1952. 470 Sci2

5360 SIKES, D., WISE, J. C., and BRIDGES, M. E. The experimental production of "X disease" (hyperkeratosis) in cattle with chlorinated naphthalenes and petroleum products. Amer. Vet. Med. Assoc. J. 121:337-344. Nov.1952. 41.8 Am3

5361 ŠIMUNIĆ, B. L'influence de la sécrétion oestrale sur la conception chez les vaches. (In Serbo-Croatian.) Vet. Arh. 22:60-65. 1952. 41.8 V6416
French and German summaries.

5362 SOLIMAN, K. N. The clinical manifestations of parasitic bronchitis in cattle with a note on the epidemiology with special reference to adults. Vet. Rec. 64:589-594. Ref. Oct.4,1952. 41.8 V641

5363 SPENCER, G. R., and LASMANIS, J. Reservoirs of infection of Micrococcus pyogenes in bovine mastitis. Amer. J. Vet. Res. 13:500-503. Oct.1952. 41.8 Am3A

5364 STEL'MAKH, A. A. Penicillin—effective remedy against theileriasis in cattle. (In Russian.) Veterinariîa 29(9):34. Sept.1952. 41.8 V6426
Theileria annulata.

5365 STOENNER, H. G., and LACKMAN, D. B. The role of the milking process in the intraherd transmission of Q fever among dairy cattle. Amer. J. Vet. Res. 13:458-465. Ref. Oct.1952. 41.8 Am3A
Experimental udder infection.

5366 SUAREZ NELSON, M. Clasificación de la ubre. Agr. Austral 20:176-178. May 1952. 9.3 Ag842
Cattle.

5367 SUTMÖLLER, P. Manual replacement of twisted uterus after [bovine] laparotomy. (In Dutch.) Tijdschr. v. Diergeneesk. 77:761-763. Oct.15,1952. 41.8 T431
English summary.

5368 SUURBALLE, A. Control of brucellosis. (In Danish.) Jerseybladet 46:46-48. (Cont.) Aug.1952. 43.8 J485

5369 SWANSON, L. E. Lungworm dangers described; wet areas present serious problem in raising calves. Fla. Cattleman 17:42A,43-44. Oct.1952. 43.8 F66

5370 TAYLOR, A. W. Further observations on the incidence of infection with M. johnei in cattle. Vet. Rec. 64:603-605. Oct.11,1952. 41.8 V641

5371 THIERY, J. P. Influence de la santé des animaux sur la qualité du lait. Opinion Econ. et Financ. 5(11):66-67. Mar.1952. 44 Op3

5372 THOMAS, J. A., and others. La culture du virus de la fièvre aphteuse en très grande quantité sur embryome spécifique géant, chez la vache. Acad. des Sci. Compt. Rend. 235:520-521. Sept.1,1952. 505 P21
J. P. Thiéry, L. Salomon, and Mme. L. Salomon, joint authors.

5373 THOMSEN, A. Preliminary results from combating of infectious abortion among cattle in Denmark. Cong. Bras. de Vet. An. 5:241-247. 1950,pub.1951. 41.9 C7695A

5374 TOHARA, S., WAGAI, B., and MIYAKAWA, A. Histological studies on the cattle-hoof. 1. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:159-163, 165-170. Mar.1952. 49.9 C434
English summary.

5375 TONGEREN, H. A. E. VAN. Spontaneous mutation of cow pox virus by means of egg passage. (In Dutch.) Tijdschr. v. Diergeneesk. 77:731-744. Ref. Oct.15,1952. 41.8 T431
English summary.

5376 TOPOLNIK, E., and HAJSIG, M. Hemagglutination de protozoon Trichomonas genitalis. (In Serbo-Croatian.) Vet. Arh. 22:66-68. 1952. 41.8 V6416
French and German summaries.

5377 VAN DRIMMELEN, G. C. Diagnosis and treatment of contagious abortion. Farmer's Wk. [Bloemfontein] 84:55. Sept.17,1952. 24 F225
In cattle.

5378 VIANELLO, G. Modern cure for diarrhea in calves. (In Italian.) Humus 8(7/8):25. July/Aug.1952. 16 H88

5379 WADSWORTH, J. R. The distribution of genital tumors in the bovine. Pa. U. Sch. Vet. Med. Vet. Ext Q. 128:133-137. Ref. Oct.27,1952. 41.9 P386

5380 WASHKO, F. V., DONHAM, C. R., and HEIMLICH, A. Response of cattle to Brucella [abortus] following sexual stimulation and Brucella exposure during early calfhood. Amer. J. Vet. Res. 13:437-440. Oct. 1952. 41.8 Am3A
Gonad-stimulating hormones used.

5381 WEBER, E. Die berechnung des durchschnittlichen lebensalters bei viehbeständen. Z. f. Tierzücht. u. Züchtbiol. 60:193-204. July 1952. 442.8 Z35

5382 WEIDLICH, N. Aspergillusabort und -hautkrankheit bei einem rinderfötus. Deut. Tierarztl. Wchnschr. 59:279-280. Sept.15,1952. 41.8 D482

5383 WESTERMARCK, H. Ricin-containing linseed cakes as the cause of deaths and decrease in productivity of cows. Nord. Vetmed.4:1005-1009. Oct.1952. 41.8 N813
English summary.

5384 WHITEHAIR, C. K., and others. A liver biopsy technique for cattle. Amer. Vet. Med. Assoc. J. 121:284-287. Oct.1952. 41.8 Am3
D. R. Peterson, W. J. Van Arsdell, and O. O. Thomas, joint authors.

5385 WILSON, C. D. The control of bovine mastitis. Vet. Rec. 64:525-530. Sept.6,1952. 41.8 V641

5386 WILSON, F. D. Dehorning of adult cattle—new technique. Indian Vet. J. 29:49-50. July 1952. 41.8 In2

5387 WITHERS, F. W. Mortality rates and disease incidence in calves in relation to feeding, management and other environmental factors. Brit. Vet. J. 108:315-328. (Cont.) Sept.1952. 41.8 V643
Thesis (Ph.D.)-University of London.

5388 WOELFFER, E. A. Two kinds of cowpox. Hoard's Dairyman 97:918. Nov.10,1952. 44.8 H65

5389 WOELFFER, E. A. What to do about lumpy jaw. Hoard's Dairyman 97:761. Sept.25,1952. 44.8 H65

5390 WOLFE, J. W. Animal health: cancer eye and pinkeye. West. Live Stock 38(2):18. Sept.1952. 49 W523
Cattle.

5391 WOLFE, J. W., RICE, W. M., and LYND, F. T. A two-phase method of surgical relief of hydrops amnii. Amer. Vet. Med. Assoc. J. 121:359-360. Nov.1952. 41.8 Am3
Case of a cow.

5392 WOLFSTELLER, W. Modificaciones fisiólogicas del epitelio vaginal de la vaca. (Sum.) Cien. y Ganad. 5(18):8-9. May 1952. 41.8 C482

5393 YAMANE, O., and SASAKI, H. Observations on the change in the blood figures in the cattle infected with "bovine influenza." (In Japanese.) Tottori Soc. Agr. Sci. Trans. 9:67-69. Dec.30,1951. 513 T64
English summary.

5394 ZIMMERMAN, K. C. Bang's—round-up and progress. Oreg. Dept. Agr. Agr. B. 175:12-13. Sept. 1952. 2 Or3

5395 ZITTLE, C. A., and DELLAMONICA, E. S. Effect of aliphatic alcohols on bovine alkaline phosphatases. Arch. Biochem. & Biophys. 37:419-424. Ref. 1952. 381 Ar2

Miscellaneous

5396 ALVES NETTO, F. The improvement of dairy cattle and dairy records; present situation of dairy cattle in São Paulo. (In Portuguese.) Cong. Bras. de Vet. An. 5:115-119. 1950,pub.1951. 41.9 C7695A

5397 AMERICAN NATIONAL CATTLEMEN'S ASSOCIATION. Resolutions adopted at the fifty-fourth annual convention,San Francisco, Calif.,January 8-10,1951. Denver,1951? 15 p. 49.9 Am35R

5398 ANDERSON, E. E. The dairy type classification program. N. Mex. Stockman 17(10):56. Oct.1952. 49 N462

5399 ANDERSON, R. H. Cow-to-can milking. Hoard's Dairyman 97:767. Sept.25,1952. 44.8 H65

5400 AREY, J. A., and KIMREY, A. C. North Carolina 4-H dairy manual, revised by J. D. George. N. C. Agr. Col. Ext. 4-H Club Ser. 12,rev.,19 p. June 1952. 275.29 N811C

5401 BACALSO, J. M. The cattle and carabaos in Los Baños, Calamba, and Cabuyao, Laguna, after the liberation of the Philippines in 1945. Philippine Agr. 35:163-169. Aug.1951. 25 P542

5402 BACHNER, F. Lehrbuch der rinderhaltung. Ed. 3. Hannover,Schaper,1951. 260 p. 43 B12

5403 BASHKIROV, V. Dairy farm of a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(6):35-37. June 1952. 281.8 K83

5404 BEATTIE, W. A. The beef cattle industry of Australia. Austral. Inst. Agr. Sci. J. 18:68-76. June 1952. 23 Au74

5405 BECK, G. H. More milk—faster—with better milking. Hoard's Dairyman 97:807. Oct.10,1952. 44.8 H65

5406 BELL, J. M. Dairy cattle production in Saskatchewan. Saskatchewan. U. Col. Agr. Ext. B. 98,8 p. Nov.1951. 7 Sa76A

5407 BONSMA, J. C. Live weight of cattle from linear measurements; thorough knowledge of change during growth furnishes good indication of future development of animal. Farmer's Wk. [Bloemfontein] 84:12-13,15. Sept.17,1952. 24 F225

5408 BONSMA, J. C. Smooth of hair and thick of skin. (In Afrikaans.) Landbouweekblad 34(1732):20-21, 23,29. Sept.24,1952. 24 L232
Research in cattle raising.

5409 CIAFFI, B. Trend of cattle raising in The Marches in relation to the mechanization of agriculture. (In Italian.) In Pesaro. Camera di Commercio Industria e Agricoltura. Manifestazione di meccanica agraria, p.51-64. Pesaro,1951. 58.9 P43

5410 COMBERG, G. Die sachgemässe kälberaufzucht. Deut. Landwirt. 3:540-542. Ref. Oct.1952. 18 D4822

5411 COX, A. K. H. Cowman, why don't you write a book? Farmers Wk. [London] 37(16):69,71. (Cont.) Oct.17,1952. 10 F2226
Dairy cattle care and management.

5412 DAHMEN, J. J., and BOGART, R. Some factors affecting rate and economy of gains in beef cattle. Oreg. Agr. Expt. Sta. Tech. B. 26,23 p. Ref. July 1952. 100 Or3S

5413 DAIRY FARMER. Your dairy farming problems solved in 800 questions and answers. Ipswich, Eng., 1951. 249 p. 44 D149

5414 DÜRRWAECHTER. Eine tierzüchterische studienreise nach Holland. Landwirt. Wchnbl. 142:1246. (Cont.) Nov.1,1952. 18 L2338

5415 FAGOT, V. Quelques précisions sur la conformation du veau blanc de boucherie. Sillon Belge 22(522):6. Aug.23,1952. 13 Si3

5416 GAZTAMBIDE ARRILLAGA, C. Los records mejorarán su negocio lechero. P. R. Agr. Col. Ext. Fol. Z-5,6 p. Nov.1951. 275.29 P96Fz

5417 GERLACH, D. Untersuchungen über die milchergiebigkeit von kühen bei verschiedenen melkabständen im verlauf mehrerer laktationen. Kieler Milchwirt. Forschber. 4:317-339. Ref. 1952. 44.9 K542
English summary.

5418 GILL, J. B. Beef cattle and pastures feature research work at Brown Loam Branch Station. Miss. Farm Res. [Miss. Sta.] 15(9):4. Sept.1952. 100 M69Mi

5419 GÓMEZ FERNÁNDEZ, M. El sacrificio de reses hembras. Rev. Agr. y Ganad. 13(150):9-10. July 1952. 9.4 R327
Colombia.

5420 GROTE, R. Grundsätzliche fragen der kälberaufzucht. Landwirtbl. Weser-Ems 34:835-836. Aug.21,1952. 18 L2345

5421 GROTE, R. Die "optimale" milchleistung unserer kühe. Tierzüchter 4:429-433. Sept.5,1952. 49 T445

5422 GÜNTHART, A. Vom bakterienregen im kuhstall. Grüne 80:1086-1087. Sept.26,1952. 17 Sch9

5423 HEINE, R. G. Improving Florida's [beef] cattle production. Shorthorn World 37(12):68-69. Sept.10, 1952. 43.8 Sh8

5424 HESS, J. Sale cattle—getting 'em ready is a big job. Tex. Hereford 2(2):5,41. Sept.1952. 43.8 T31

5425 HIGAKI, S. Nyugyu shiyo ho [How to raise milk cows]. Tokyo, Asakura Shoten, 1951. 290 p. 43 H532

5426 HIGGS, C. Milk production then and now. Country Life [London] 112:948,951. Sept.26,1952. 80 C83

5427 HILL, D. L., and LUNDQUIST, N. S. Milk production from pasture. Ind. Agr. Expt. Sta. C. 386, 7 p. July 1952. 100 In2P

5428 HOBBS, C. S. Helping beef cattle through the winter. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 67(11):17, 134. Nov.1952. 6 P945K

5429 HUPPMANN, J. Die melkerschule Judenau. Landwirtschaft 17/18:275-277. Sept.1952. 19 L235

5430 HURD, A. The dairy show reviewed. Country Life [London] 112:1396. Oct.31,1952. 80 C83

5431 JOINER, J. N. U. of F. beef unit begins use of Williamson tract. Fla. Cattleman 17(2,sect.2):36-37,71. Nov.1952. 43.8 F66
Beef cattle research project at University of Florida Agricultural Experiment Station.

5432 KAPITONOV, ÍA. K. Achievements of collective farms of Berifà District [Armenian SSR] in increasing milk production of cows. (In Russian.) Sotsialist. Zhivotnovod. 14(4):37-39. Apr.1952. 49 So71

5433 KEILLING, J. L'immense problème de la traite. Opinion Econ. et Financ. 5(11):68-69. Mar.1952. 44 Op3

5434 LECLERC, M. Le contrôle laitier. Digeste de l'Eleveur 6(12):21. Aug.1952. 49 D56

5435 LEMESH, V. F. Summer camp maintenance of cattle in Bitebsk Region. (In Russian.) Sotsialist. Zhivotnovod. 14(4):77-78. Apr.1952. 49 So71

5436 LOGINOV, V., and others. Determining the meat producing capacity of [beef] cattle. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):41-52. July/Aug.1952. 50.8 M58
M. Mar'îasin, I. Shubskiĭ, and V. Loginova, joint authors.

5437 MACKINTOSH, G. R. Selection of dairy herd replacements. New Zeal. J. Agr. 85:133-134. Aug.15, 1952. 23 N48J

5438 MANSFIELD, W. S. Experiments in beef production. Country Life [London] 112:928-929. Sept. 26,1952. 80 C83

5439 MATHEWS, L. A study of the production of cattle congress winners. Guernsey Breeders' J. [Peterborough] 86:545-546. Oct.15,1952. 43.8 G93
Dairy cows.

5440 MINUT, J. Ecologia lechera vulgarizada. Indus. Lech. 34:286-289,343-344,346-352,378,380-381. (Concl.) Ref. June-July 1952. 44.8 In26
Climate in relation to cattle production.

5441 NEWELL, P. Practical cattle production in the Delta. Prog. Farmer, Miss.-Ark.-La. Ed. 67(11):15, 20,132. Nov.1952. 6 So81

5442 NEWELL, P. F. How to winter cattle. Livestock Wk. 6(47):16,17,90-92,95. Oct.1952. 49 L753

5443 OUELLET, A. Temps propice pour la fondation de nouveaux troupeaux de race pure. Digeste de l'Eleveur 6(12):16-20. Aug.1952. 49 D56
Dairy cattle improvement in Quebec.

5444 PETERSEN, D. A. The herd with records. Pacific Stockman 18(11):35-36. Nov.1952. 286.85 W52

5445 PHILLIPS, R. The condition and body size of "wastage" cattle. Brit. Vet. J. 108:354-356. Ref. Sept. 1952. 41.8 V643
Dairy cattle for slaughter.

5446 PRIĬMAK, V. A. High yields of milk. (In Russian.) Sotsialist. Zhivotnovod. 14(6):82-83. June 1952. 49 So71

5447 RATCLIFF, L., and others. Wintering dairy heifers in Arkansas. Ark. Farm Res. 1(3):7. Fall 1952. 100 Ar42F
O. T. Stallcup, J. L. Cason, and E. D. Moore, joint authors.

5448 RICKARD, D. Where every cow's a queen. Rur. New-Yorker 102:619,638. Oct.4,1952. 6 R88
Dairy cattle in Switzerland.

5449 ROF CODINA, J. Los concursos de ganados en la provincia de Lugo. Agr. Venezol. 17(154):17-19. Jan./July 1952. 9.95 Ag8
Cattle.

5450 ROF CODINA, J. Contribución al estudio de la producción láctea y de su importancia higiénica. Ed. 2. Lugo, Castro, 1951. 26 p. 44 R623

5451 RUTHERFORD, J. Increasing winter milk production. Agr. Gaz. N. S. Wales 63:297-300. June 2, 1952. 23 N472

5452 SACHS, J. Raising calves for slaughter at Kvuzath Kinnereth. (In Hebrew.) Hassadeh 32:483. July 1952. 26 H27

5453 SAVAGE, D. Managing range & cattle. Amer. Cattle Prod. 34(5):28-30. (Concl.) Oct.1952. 49 P94

5454 SCHMIEDER, P. Praktische viehpflege; ein viehwirtschaftliches lehr- und handbuch für den praktischen betrieb der rindvieh- und schweinezucht. Ed. 2. Radebeul, Neumann, 1951. 179 p. 40 Sch54

5455 SCHNELLE, W. Rationelles melken auf grund neuerer wissenschaftlicher erkenntnisse. Tierzüchter 4: 486-488. Oct.5,1952. 49 T445

5456 SCHULLSTROM, W. W. Producción lechera en la Escuela Agrícola Panamericana. Hacienda 47(10):54, 56. Oct.1952. 6 H11
Cattle care and milk production.

5457 SCOTT, I. W., and WILSON, G. B. Effect of month of calving on production. Agr. Gaz. N. S. Wales 63:293-296. (Cont.) June 2,1952. 23 N472
Production of cows and milk production.

5458 SEELEMANN, M. Hygiene bei der milchgewinnung. Deut. Landwirt.-Gesell. Mitt. 67:705-707. Oct.2,1952. 18 N39

5459 SEMENOV, N. P. Opyt peredovikov po massovomu razdoiu korov (Ramenskiĭ raĭon, Moskovskoĭ oblasti) [Practices of leaders in mass milking of cows (Ramenskiĭ District, Moscow Region)]. Moskva, "Znanie," 1952. 21 p. 44 Se5

5460 SENTEX, J. Le controle laitier-beurrier et les livres généalogiques. Opinion Econ. et Financ. 5(11):62-63. Mar.1952. 44 Op3
France.

5461 SPEARING, J. Fitting and showing dairy cattle. Ames, Iowa State Col. Press, 1952. 97 p. 43 Sp32

5462 TOWNSEND, R. M. Managing beef cattle on East Texas timberland. J. Range Mangt. 5:328-330. Sept.1952. 60.18 J82

5463 UPATNIEKS, M. Nash opyt polucheniîa vysokikh udoev moloka [Our practices for obtaining high yields of milk]. Moskva, "Znanie," 1952. 15 p. 43 Up1

5464 VENNER, K. Milk production doubled in ten years. Farmer & Stock-Breeder 66(3286):49,51. Oct. 14,1952. 10 F228
Artificial insemination and good management in Great Britain.

5465 VILLARES, J. B., and ROCHA, G. L. DA. Zootechnic climatology. X. Contribution to the study of habits of cattle on tropical pastures. (In Portuguese.) Cong. Bras. de Vet. An. 5:321-346. Ref. 1950,pub.1951. 41.9 C7695A
English summary.

5466 VOLKOV, A. V. Experiment in controlled raising of the young animals of dairy cattle in Udmurtia. (In Russian.) Sotsialist. Zhivotnovod. 14(3):31-35. Mar. 1952. 49 So71

5467 WEBER, A. D. Only the consumer wants a gutless wonder. West. Livestock J. 30(53):42-43,103,107, 109,111-112,115. Sept.15,1952. 6 F2278
Beef cattle types and consumer meat preferences.

5468 WHITFIELD, C. J., and JONES, J. H. Production of feeder yearling steers at the Amarillo Station, 1950-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1478,6 p. July 31,1952. 100 T31P

5469 WILCZYNSKA, H., and MALTERRE, J. La traite manuelle. Opinion Econ. et Financ. 5(11):70-71. Mar.1952. 44 Op3

5470 WILLARD, J. Agricultural shows Down Under. Pacific Stockman 18(11):37. Nov.1952. 286.85 W52
Cattle shows in New Zealand.

5471 WOLF. Hirtenarbeiten nach dem alpabtrieb. Auf der Alpe 9:69-70. Sept.1952. 18 Au3

5472 WOLTERS, F. A., and others. Slaughter calf production in the Brazos River Valley. Tex. Agr. Expt. Sta. Prog. Rpt. 1480,3 p. Aug.2,1952. 100 T31P
W. G. Wilson, J. E. Roberts, and J. H. Jones, joint authors.

DOGS AND CATS

Breeds and Breeding

5473 INTERNATIONAL Foxhunters' stud book, v. 15. Lexington,Chase Pub.,1952. 440 p. 48.9 In8

5474 KENNEL CLUB. The Kennel Club calendar & stud book for the year 1951, v.79. London,1952, 1020 p. 48.9 K39

5475 LEIGHTON, R. The complete book of the dog, revised by A. W. Hunter. London,Cassell,1952. 339 p. 48 L53C
Chiefly breeds.

5476 LISTER-KAYE, C. Dachshunds. London, Chambers,1952. 63 p. 48 L68

5477 MURR, L. J. What every breeder-exhibitor should know. Amer. Kennel Gaz. 69(10):17,22. Oct.1952. 48.8 Am3

5478 ST. BERNHARDSKLUB. Zuchtbuch, v. XXXI, 1951. München,1951. 25 p. 48.9 Sa2

5479 UNITED KENNEL CLUB. History of the Bluetick Coonhound. Bloodlines 35(5):3. Sept./Oct.1952. 48.8 B62

5480 WHITNEY, L. F., and UNDERWOOD, A. B. The coon hunter's handbook. New York,Holt,1952. 210 p. (Field & Stream Outdoor Series) 48 W61Co
Includes Hound breeds and training.

Feeds and Feeding

5481 BUDDE, E. F. The determination of fat in baked biscuit type of dog foods. Assoc. Off. Agr. Chem. J. 35:799-805. Aug.15,1952. 381 As7

5482 CAMPBELL, J. E., and PHILLIPS, P. H. Reproduction studies with dogs. I. Effect of a corn-soybean meal-alfalfa diet. J. Nutr. 47:621-629. Ref. Aug. 11,1952. 389.8 J82

Veterinary Medicine

5483 ARRIGHI, R. Sur trois cas de troubles de l'équilibre, dus á une attaque massive de Trombididés. Rev. de Méd. Vét. [Toulouse] 103:212-213. Apr.1952. 41.8 R32
Dogs.

5484 BARDOULAT, M. Enclouage métallique centro-médullaire du femur. Rev. de Méd. Vét. [Toulouse] 103: 151-158. Mar.1952. 41.8 R32
Cases of dogs and cats.

5485 BECKER, E. Ein neues instrument zur behandlung der schlundverstopfung beim hund. Berlin. u. Münch. Tierärztl. Wchnschr. 65:173-175. Sept.1952. 41.8 B45

5486 BEIJERS, J. D., and VRIES, A. J. DE. Extraction of the lens of the dog. (In Dutch.) Tijdschr. v. Diergeneesk. 77:683-684. Sept.15,1952. 41.8 T431
English summary.

5487 BERGE, E. Lokale kalkgicht. Tierärztl. Umschau 7:359-364. Ref. Oct.1952. 41.8 T445
Dogs.

5488 CABASSO, V. J. Canine distemper and "hard pad" disease. Vet. Med. 47:417-423. Oct.1952. 41.8 M69

5489 COFFIN, D. L., MUNSON, T. O., and SCULLY, R. E. Functional Sertoli cell tumor with metastasis in a dog. Amer. Vet. Med. Assoc. J. 121:352-359. Nov.1952. 41.8 Am3

5490 COOPERRIDER, D. E. Observations on the diagnosis of parasites of small animals. II. No. Amer. Vet. 33:709-713. Oct.1952. 41.8 N812
Dogs and cats.

5491 CORVAZIER, R., and LASFARGUES, E. La conglutination, méthode de détection du virus de Carré. Soc. de Biol. Compt. Rend. 146:676-678. May 1952. 442.9 P21

5492 DAVID, R., and others. Effets de la stimulation des bulbes olfactifs sur le cycle sexuel de la chatte. Soc. de Biol. Compt. Rend. 146:670-672. May 1952. 442.9 P21
G. Thiery, M. Bonvallet, and P. Dell, joint authors.

5493 DERBAL, Z., and DAUDEL, R. Traitement chirurgical des tumeurs vénériennes de la chienne. Rec. de Méd. Vét. 128:26-29. Jan.1952. 41.8 R24

5494 DYCE, K. M., MERLEN, R. H. A., and WADSWORTH, F. J. The clinical anatomy of the stifle of the dog. Brit. Vet. J. 108:346-353. Sept.1952. 41.8 V643

5495 FANKHAUSER, R., and WYLER, R. Zur tuberkulose des zentralnervensystems bei fleischfressern. Schweiz. Arch. f. Tierheilk. 94:547-554. Ref. Sept. 1952. 41.8 Sch9
English summary.
Cats and dogs.

5496 FLINT, J. C. Distemper-hepatitis complex. (Abs.) Calif. Vet. 6:18-19. Sept./Oct.1952. 41.8 C12
Canine distemper and infectious hepatitis.

5497 GAJENTAAN, J. Treatment of bone fractures of the cat by means of metal pins. (In Dutch.) Tijdschr. v. Diergeneesk. 77:757-760. Oct.15,1952. 41.8 T431
English summary.

5498 GARBERI, G. "Phenolic shock" and "formol shock" in rabies vaccination of dogs. (In Italian.) Prog. Vet. 6:621-622,624,626. Nov.1,1951. 41.8 P942
French summary.

5499 GIBSON, K. S. Cholelithiasis and choledocholithiasis in a cat. Amer. Vet. Med. Assoc. J. 121:288-289. Oct.1952. 41.8 Am3

5500 GIBSON, K. S. Torsion of the stomach in the dog: two case reports. Vet. Med. 47:480-482. Nov.1952. 41.8 M69

5501 GLENNEY, W. C., BATORY, C. F., and HUEBNER, R. A. Canine penicillin blood levels obtained with parenteral benzethacil. Amer. J. Vet. Res. 13:555-556. Oct.1952. 41.8 Am3A

5502 GOOR, S. Canine leishmaniasis in Palestine. (In Hebrew.) Refuah Vet. 9:42-43. Apr.1952. 41.8 R25
English summary, p. 61.

5503 GUR'IANOVA, M. P., and DULEBOV, A. E. Something new on demodicidosis in dogs and its treatment. (In Russian.) Veterinariia 29(10):29-32. Oct.1952. 41.8 V6426
Demodex canis.

5504 HANSEN, H. J. A pathologic-anatomical study on disc degeneration in dog, with special reference to the so-called enchondrosis intervertebralis. Copenhagen, Munksgaard,1952. 117 p. Ref. (Acta Orthopaedica Scandinavica. Supplementum 11) 41 H197

5505 HARTWIGK, H., and STOEBBE, E. Kultureller nachweis von leptospiren bei hund und pferd. Berlin. u. Münch. Tierärztl. Wchnschr. 65:188-190. (Cont.) Sept. 1952. 41.8 B45

5506 HARTWIGK, H., and STOEBBE, E. Kultureller nachweis von leptospiren bei hund und pferd. Berlin. u. Münch. Tierärztl. Wchnschr. 65:212-214. (Concl.) Oct. 1952. 41.8 B45

5507 HENDERSON, W. Vesical calculi in the dog. No. Amer. Vet. 33:797-798,803. Nov.1952. 41.8 N812

5508 HINES, M. P. Internal parasites. Wildlife N. C. 16(10):14-15. Oct.1952. 279.8 N812
In dogs.

5509 HUEBNER, R. A., and GREEN, C. W. J. Canine penicillin blood levels obtained with oral benzethacil. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 128:138-141. Oct.27, 1952. 41.9 P386

5510 HUGHES, R. H. Otitis externa and surface wounds in small animals. Vet. Med. 47:436-437. Oct. 1952. 41.8 M69
In dogs and cats.

5511 KARLSON, A. G., and MANN, F. C. The transmissible venereal tumor of dogs: observations on forty generations of experimental transfers. N. Y. Acad. Sci. Ann. 54:1197-1213. Ref. July 10,1952. 500 N484

5512 KILLNER, M. Cholecystography in the dog. (In Portuguese.) Cong. Bras. de Vet. An. 5:277-282. 1950,pub.1951. 41.9 C7695A
English summary.

5513 KITSELMAN, C. H., and BORGMANN, A. R. A comparative study of the reaction of dogs as a susceptible species to sublethal doses of aldrin and dieldrin. Amer. Vet. Med. Assoc. J. 121:383-385. Nov.1952. 41.8 Am3

5514 KODRNJA, E. Les resultats de la vaccination des chiens contre la rage. (In Serbo-Croatian.) Vet. Arh. 22:19-50. 1952. 41.8 V6416
French and German summaries.

5515 KORKHAUS, R. Zur ekzem-therapie in der kleintierpraxis; klinische untersuchungen über eine neuartige anwendungsform von schieferöl-sulfonaten (Ichthogel) für die externe behandlung. Deut. Tierärztl. Wchnschr. 59:291-295. Ref. Oct.1,1952. 41.8 D482
Dogs and cats.

5516 KROGH, G. Case report of chronic oesophagitis and primary cancer of the oesophagus in a dog. (In Swedish.) Nord. Vetmed. 4:893-900. Ref. Sept.1952. 41.8 N813
English summary.

5517 LAWRENCE, D. E. Near fatal hemolytic anemia during anti-epileptiform convulsion therapy with tridione. Amer. Vet. Med. Assoc. J. 121:302-303. Oct. 1952. 41.8 Am3
Case of a dog.

5518 LEACH, W. J. Functional anatomy of the mammal; a guide to the dissection of the cat and an introduction to the structural and functional relationship between the cat and man. Ed. 2. New York,1952. 276 p. (McGraw-Hill Publications in the Zoological Sciences) 444 L46

5519 LEE, D. G., and ALLAM, M. W. True unilateral hermaphroditism in a dog. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 128:142-147. Oct.27,1952. 41.9 P386

5520 LEIGHTON, R. L. Permanent intramedullary pinning of the femur in dogs and cats. Amer. Vet. Med. Assoc. J. 121:347-351. Nov.1952. 41.8 Am3

5521 LEVY, G. Carcinoma of the stomach of a dog with metastases. Amer. Vet. Med. Assoc. J. 121:263-266. Oct.1952. 41.8 Am3

5522 LUMB, W. V. The contagious tumor of the dog. Allied Vet. 23(5):19-20. Sept./Oct.1952. 41.8 AL5

5523 LUMB, W. V., and ARMISTEAD, W. W. Management of hock injuries with Kirschner pins. No. Amer. Vet. 33:714-716. Oct.1952. 41.8 N812
Cases of dogs.

5524 MCKERCHER, D. G. Feline pneumonitis. I. Immunization studies in kittens. Amer. J. Vet. Res. 13: 557-561. Oct.1952. 41.8 Am3A

5525 MALHEIRO, D. DE M. Preliminary experiments on the effect of an essential oil from the shell of the cashew nut in the treatment of demodectic mange in the domestic dog. (In Portuguese.) Cong. Bras. de Vet. An. 5:705-711. 1950,pub.1951. 41.9 C7695A
English summary.

5526 MANENTE, B. A., and MIGLIANO, M. F. Clinical and anatomic-pathological study of a case of diaphragmatic hernia in a dog. (In Portuguese.) Cong. Bras. de Vet. An. 5:289-296. Ref. 1950,pub.1951. 41.9 C7695A

5527 MASON, M. M. Dramamine and the vestibular apparatus in the dog. Amer. J. Vet. Res. 13:549-554. Ref. Oct.1952. 41.8 Am3A

5528 MATERA, E. A., and STOPIGLIA, A. V. Inguinal hernia in a bitch. (In Portuguese.) Cong. Bras. de Vet. An. 5:271-276. Ref. 1950,pub.1951. 41.9 C7695A
English summary.

5529 MATERA, E. A., and STOPIGLIA, A. V. Intradermic suture in surgery of small animals. (In Portuguese.) Cong. Bras. de Vet. An. 5:283-288. 1950,pub. 1951. 41.9 C7695A
English summary.
On dogs and cats.

5530 MISENER, A. G. Removal of claws in the domestic cat. Amer. Vet. Med. Assoc. J. 121:390. Nov. 1952. 41.8 Am3

5531 MURRAY, G. H., and EDEN, E. L., JR. Progesterone to delay estrum in bitches. Vet. Med. 47:467-468. Nov.1952. 41.8 M69

5532 NOODER, H. J. Surgical delivery of dogs. (In Dutch.) Tijdschr. v. Diergeneesk. 77:655-679. Sept. 15,1952. 41.8 T431
English summary.

5533 OLSSON, S. E., and HANSEN, H. J. Cervical disc protrusions in the dog. Amer. Vet. Med. Assoc. J. 121:361-370. Ref. Nov.1952. 41.8 Am3

5534 OLSSON, S. E. Remarks on roentgenographic diagnosis of pneumonia in dog. (In Swedish.) Nord. Vetmed. 4:983-992. Oct.1952. 41.8 N813
English summary.

5535 PALLASKE, G. Beitrag zur streptotrichose des hundes. Berlin. u. Münch. Tierärztl. Wchnschr. 65: 190-194. Ref. Sept.1952. 41.8 B45

5536 PRAT, J. Influence de l'hérédité sur la réceptivité du chien à la maladie de Carré. Rev. de Méd. Vét. [Toulouse] 103:159-170. Mar.1952. 41.8 R32

5537 PUTNEY, W. W. Clinical study on the subcutaneous use of calphosan. Amer. Vet. Med. Assoc. J. 121:386-387. Nov.1952. 41.8 Am3
Calcium solution used for dogs and cats.

5538 RANOUIL. Le ténias du chien; ses dangers pour l'homme et les animaux. Terre Marocaine 274:327-330. Sept.1952. 24 T44

5539 REINHARDT, R. Die krankheiten der katze; mit ausführungen über abstammung, rassen, züchtung, haltung und richten. Ed. 2. Hannover,Schaper,1952. 192 p. 48 R27

5540 SAUNDERS, L. Z., and RICKARD, C. G. Craniopharyngioma in a dog with apparent adiposogenital syndrome and diabetes insipidus. Cornell Vet. 42:490-495. Oct.1952. 41.8 C81

5541 SCHULZE, W. Zur behandlung der staupe des hundes. Berlin. u. Münch. Tierärztl. Wchnschr. 65: 179-181. Ref. Sept.1952. 41.8 B45

5542 SCHULZE, W. Zur therapie der leptospirose des hundes. Tierärztl. Umschau 7:330-332. Sept.1952. 41.8 T445

5543 SIMMONDS, W. J. The absorption of blood from the cerebrospinal fluid in animals. Austral. J. Expt. Biol. & Med. Sci. 30:261-270. June 1952. 442.8 Au7
In cats and rabbits.

5544 STARR, L. E., SELLERS, T. F., and SUNKES, E. J. Apparent recovery of a dog from rabies. Amer. Vet. Med. Assoc. J. 121:296. Oct.1952. 41.8 Am3

5545 THOMAS, K. J., and CREAMER, A. A. Antibiotic-vasoconstrictor therapy for intranasal treatment of dogs and cats. Vet. Med. 47:424-426. Ref. Oct.1952. 41.8 M69

5546 TREIN, E. J. Sympathicoblastoma in dogs (study of a case). (In Portuguese.) Cong. Bras. de Vet. An. 5:351-362. Ref. 1950,pub.1951. 41.9 C7695A

5547 ULLRICH, K. Zur diagnose und therapie des eiweissmangels beim hunde. Tierärztl. Umschau 7:313-317. Sept.1952. 41.8 T445
Ascites.

5548 ULLRICH, K. Zwei selten durchgeführte operationen beim hund. Berlin. u. Münch. Tierärztl. Wchnschr. 65:169-171. Sept.1952. 41.8 B45

5549 VOGEL, J. On the cerebrospinal fluid of the domestic dog. (Preliminary note.) (In Portuguese.) Cong. Bras. de Vet. An. 5:751-760. Ref. 1950,pub.1951. 41.9 C7695A

5550 WILKINSON, G. T. Two cases of salt (brine) poisoning in the dog. Vet. Rec. 64:565. Sept.20,1952. 41.8 V641

5551 WORDEN, A. N., and WATERHOUSE, C. E. A note on the oral administration of chlorophyll to the dog. Vet. Rec. 64:573-574. Sept.27,1952. 41.8 V641

5552 YEATS, J. J., and VAUGHAN, L. C. The treatment of aural haematoma in the cat. Vet. Rec. 64:531-532. Sept.6,1952. 41.8 V641

Miscellaneous

5553 JACKSON, E. A. The art of training a gun dog. Farmer's Wk. [Bloemfontein] 83:12-13,15. Aug.27,1952. 24 F225

5554 JONES, A. F. Do we want dogs positive or negative? Amer. Kennel Gaz. 69(10):12-13,60. Oct.1952. 48.8 Am3

5555 KALLING, M. U. Herrar och hundar [Gentlemen and dogs]. Stockholm,Wahlström &Widstrand,1951. 218 p. 412.6 K122

5556 MOORHOUSE, S. The training of a sheepdog. Field 200:412-413. Sept.13,1952. 10 F45

5557 MOXON, P. R. A. Faults in a gundog. I-II. Field 200:500,540. Sept.27-Oct.4,1952. 10 F45

5558 RILEY, E. G. Training a sheep dog; some hints for beginners. West. Austral. Dept. Agr. J. (ser.3)1:417-423. July/Aug.1952. 23 W52J

5559 ROSSI, R. P. "Cottolengo" of Turin and the law for protection of dogs. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:365-366. Sept.1952. 16 C72

5560 SAUNDERS, B. Training you to train your dog. Rev. ed. Garden City,N.Y.,Doubleday,1952. 301 p. 48 Sa8

5561 SEWELL, A. J. Dogs and their management. A companion volume to The dog's medical dictionary. Ed. 4, rev. and largely rewritten by W. H. Kirk. London, Routledge & Paul,1952. 288 p. 48 Se8D

5562 UZE, M. Le chat dans la nature, dans l'histoire & dans l'art. Paris,Varenne,1951. 62 p. 48 Uz3C
Photographs.

5563 VADE, S. Votre chien est un ami — logez-le comme tel! Vie à la Campagne 41:320-321. Sept.1952. 80 V67

FUR ANIMALS - PEN RAISED

Breeds and Breeding

5564 BELÍAEV, D. K., and IVONIN, F. M. To improve breeding work on fur animal state farms. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):38-45. Nov./Dec.1951. 49 K14

5565 CAINE, J. T. Producing the Palomino mink. Natl. Fur News 24(9):18-19,44. Oct.1952. 412.628 R59

5566 SHACKELFORD, R. M. The genetics of certain white mink. Fur Canada 18(11):8-9. Sept.1952. 412.628 F968

5567 SHACKELFORD, R. M. Steelblu, an allele of platinum in the ranch mink. J. Hered. 43:189-192. July/Aug.1952. 442.8 Am3

5568 STARKOV, I. D. Effect of age and fertility of foxes on their daughter's fertility. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):58-61. Nov./Dec. 1951. 49 K14

5569 WASSERTHAL-ZUCCARI, E. VON. Mutation mink. (In Swedish.) Vara Pälsdjur 9:227-229. Aug.15, 1952. 410 V42

Feeds and Feeding

5570 ARGUTINSKAÍA, S. V. Mineral nutrition of the young minks. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):34-40. May/June 1952. 49 K14

5571 FOOTE, S. N., JR. Aureomycin in the mink ration. Natl. Fur News 24(9):20. Oct.1952. 412.628 R59

5572 KIM, M. M. Feeding fish to breeding Silver Black foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):45-46. May/June 1952. 49 K14

5573 PEREL'DIK, N. SH., and TITOVA, M. I. To review the existing system of feeding sables in captivity. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):49-58. Nov./Dec.1951. 49 K14

5574 ROBERTS, W. L. Use of antibiotics on the mink ranch. Natl. Fur News 24(10):16,42-43. Nov.1952. 412.628 R59

5575 SHACKELFORD, R. M. Research program at University of Wisconsin. Natl. Chinchilla Breeder 8(8): 13,32-34. Oct.1952. 412.628 N21
Feeding and diseases.

5576 TITOVA, M. I. Nutritive value of rations with varied meat content for young sables. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):42-45. May/June 1952. 49 K14

5577 WATT, P. R. Mink nutrition research. Fur Trade J. Canada 30:10-11,31-33. Sept.1952. 410 F965

Veterinary Medicine

5578 BAKER, G. A., LEADER, R. W., and GORHAM, J. R. Immune response of ferrets to vaccination with egg-adapted distemper virus. I. Vet. Med. 47:463-466. Nov.1952. 41.8 M69

5579 BUROV, A. D. Prophylaxis of stomach and intestinal diseases in whelps of Silver-Black foxes with acidophilus milk. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):70-71. Nov./Dec.1951. 49 K14

5580 GASSE, A. Versuche zur anwendbarkeit der hormonalen kastration beim sumpfbiberbock. Monatsh. f. Vetmed. 7:343-346. Ref. Sept.15,1952. 41.8 M742

5581 GRABOVSKIĬ, A. V. A case of extra-uterine pregnancy in a fox. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):73-75. Nov./Dec.1951. 49 K14

5582 KUZNETSOV, G. A. Effect of light regime on sexual functions of Silver Black vixens. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):31-34. May/June 1952. 49 K14

5583 LEOSCHKE, W. L. Here's the latest research report on urinary calculi. Black Fox Mag. & Mod. Mink Breeder 36(6):21,30,32. Oct.1952. 410 B56
Minks.

5584 NOVIKOV, V. K. Control of distemper and infections which complicate it in carnivorous fur animals. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):58-61. May/June 1952. 49 K14

5585 PULLING, F. B. An outbreak of bovine tuberculosis in mink and treatment with rimifon. Amer. Vet. Med. Assoc. J. 121:389-390. Nov.1952. 41.8 Am3

5586 SLACK, P. B. How I cured my herd of yellow fat. Black Fox Mag. & Mod. Mink Breeder 36(6):20,34, 37-38. Oct.1952. 410 B56

5587 SOLDATOVA, R. E. On "hair-eating disease" in Silver Black foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):62-63. May/June 1952. 49 K14

5588 VASIL'EV, N. T. Gastroenteritis in whelps of Silver Black foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):64-66. Nov./Dec.1951. 49 K14

5589 ZHURAVEL', A. A. On the nervous mechanism of the animal's reaction to the introduction of foreign protein. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):53-55. May/June 1952. 49 K14
Study of anaphylaxis in minks and polar foxes.

Miscellaneous

5590 ABRAMOV, M. D. Summary of the work of the Central Scientific-Research Laboratory of the Fur Animal Industry in 1951 and plan for 1952. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):64-68. May/June 1952. 49 K14

5591 BLAGOVESHCHENSKIĬ, N. I. Role of muskrat farms in the development of fur animal farming on the collective farms in Novosibirsk Region. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):72-73. Nov./Dec. 1951. 49 K14

5592 MIKHAĬLOV, P. N. Problems of fur animal state farms in reducing cost of production. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):33-38. Nov./Dec. 1951. 49 K14

5593 SHELDON, W. B. Annual statistical report. Natl. Fur News 24(9):24-25,32,40. (Cont.) Oct.1952. 412.628 R59
Mink ranches.

5594 SHELDON, W. B. Fur farm facts. (Condensed.) Amer. Fur Breeder 25(10):16-17. Oct.1952. 410 Am33

HORSES AND MULES

Breeds and Breeding

5595 ALZAGA, F. DE. El caballo de los chicos. Raza Criolla 2(33):48. July 1952. 42.9 As5
Criollo.

5596 ARABIAN HORSE CLUB REGISTRY OF AMERICA. Supplement three to vol. VI of the Arabian stud book, 1951. Chicago,1952. 86 p. 42.9 Ar1

5597 BLOODSTOCK sales analysis, v. 2, 1951; all bloodstock sold by public auction in England and Ireland, including racecourse sales and winners of selling races, arranged under their sires in various categories, compiled by B. J. O'Sullivan. London,Darley Press,1951. 187 p. 42.8 B624

5598 BORBA, F. Blood horse and bronze horse. (In Portuguese.) Granja [Porto Alegre] 8(63):35,38. June 1952. 9.2 G76
The Crioulo horse of Brazil.

5599 BURCH, P. M. Training Thoroughbred horses: the condition book. Blood-Horse 64:746-748. Oct.11, 1952. 42.8 T392

5600 BURCH, P. M. Training Thoroughbred horses: mud horses, grass horses, 'chasers. Blood-Horse 64: 704-706. Oct.4,1952. 42.8 T392

5601 BURCH, P. M. Training Thoroughbred horses: training older horses. Blood-Horse 64:878-879. (Cont.) Oct.25,1952. 42.8 T392

5602 BURCH, P. M. Training Thoroughbred horses: training 3-year-olds. Blood-Horse 64:664-666,670. (Cont.) Sept.27,1952. 42.8 T392

5603 CABRERA, A. De dónde viene la cabeza convexilinea? Raza Criolla 2(33):8-11,30-31. July 1952. 42.9 As5

5604 CANADIAN STANDARD BRED HORSE SOCIETY. The Canadian Standard Bred stud book, v. 7, pt. 4. Ottawa,1952. p.145-206. 42.9 C165

5605 EDWARDS, C. The modern Arabian--a useful horse. West. Livestock J. 30(48):134-135,138. Aug.15, 1952. 6 F2278

5606 GUIMARÃES, L. M., and TABARELLI NETO, J. F. The rabbit ovulation test in the diagnosis of pregnancy in the English Thoroughbred mare. (In Portuguese.) Cong. Bras. de Vet. An. 5:437-454. Ref. 1950, pub.1951. 41.9 C7695A
English summary.

5607 JARVIS, R. British breeds of livestock.XV. The Clydesdale horse. Brit. Agr. B. 5:145-150. Sept. 1952. 10 B776

5608 JOLLY, L. A. De la alzada del caballo Criollo. Raza Criolla 2(33):12-13. July 1952. 42.9 As5

5609 JORDÃO, L. P., and GOUVEIA, P. F. Reproductive efficiency of English Thoroughbreds, in São Paulo (In Portuguese.) Cong. Bras. de Vet. An. 5:459-516. Ref. 1950,pub,1951. 41.9 C7695A
English summary.

5610 KASHTANOV, L. V. Methods of line breeding in work on improving breeds of horses. (In Russian.) Konevodstvo 22(9):1-11. Sept.1952. 42.8 K832

5611 LÖWE, H. Zuchtziele in der pony- und kleinpferdezucht. Deut. Landwirt.-Gesell. Mitt. 67:579-580. (Cont.) Aug.16,1952. 18 N39

5612 LÖWE, H. Zuchtziele in der pony- und kleinpferdezucht. Deut. Landwirt.-Gesell. Mitt. 67:596-598. (Concl.) Aug.23,1952. 18 N39

5613 MEKEEL, L. E. Don't sell him short--the versatile Arabian proves that he has a real place in the horse world. West. Livestock J. 30(48):157-158. Aug.15, 1952. 6 F2278

5614 NISHIKAWA, Y., and SUGIE, T. Studies on the reproductive ability of the mule. I. Observations on the functions of ovaries. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:61-68. Mar.1952. 49.9 C434
English summary and tables.

5615 PARNELL, F. W. Palomino Horse Breeders of America. Cattleman 39(5):195-196. Oct.1952. 49 C29

5616 PARSHUTIN, G. V. On the survival of spermatozoa in the mare's uterus. (In Russian.) Konevodstvo 22(9):12-19. Sept. 1952. 42.8 K832

5617 ROBERTSON, G. R. In defense of the X. West. Horseman 17(11):30,43-44. Nov.1952. 42.8 W522
Morgan horse registration.

5618 SAMVIRKENDE DANSKE LANDBOFORENINGER. Elite-stambog over heste af Jydsk race [Elite-studbook of horses of Jutland breed], v. 22. Aarhuus, 1951. 345 p. 42.9 Sa4E

5619 SCHILKE. Einblicke in die schwedische warmblutzucht. Tierzüchter 4:519-520. Oct.20,1952. 49 T445

5620 SPEED, J. G., and ETHERINGTON, M. G. The Exmoor Pony--and a survey of the evolution of horses in Britain. I. Brit. Vet. J. 108:329-338. Ref. Sept.1952. 41.8 V643

5621 TAYLOR, L. There'll always be a market for Morgans. West. Livestock J. 30(53):176,178-179. Sept. 15,1952. 6 F2278

5622 TERACHE, P. Pour que les détracteurs du cheval de trait belge n'aient pas raison. Sillon Belge 22(523):1-2. (Cont.) Aug.30,1952. 13 S13

5623 VITT, V. O. Iz istorii russkogo konnozavodstva; sozdanie novykh porod loshadei na rubezhe xviii-xix stoletii [From the history of Russian horse breeding; creating new horse breeds in the late eighteenth and early nineteenth centuries]. Moskva,Gos. Izd-vo Selkhoz Lit-ry, 1952. 358 p. Ref. 42 V83I

5624 WAIDE, Y., and NISHIKAWA, Y. Studies on the reproduction in asses. VIII. Studies on the viability of ass sperm. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:53-59. Ref. Mar.1952. 49.9 C434
English summary and tables.

Feeds and Feeding

5625 AMEO, S., and CHIBA, H. The comparison of the digestibility of forage between mules and horses. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:107-111. July 1952. 49.9 C434
English summary.

5626 AMBO, S., and CHIBA, H. Studies on the effect of crushing on the digestibility of forage by horses. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4: 99-105. July 1952. 49.9 C434
English summary.

5627 ELAM, F. L. Taking the risk out of weaning. West. Livestock J. 30(48):154,156. Aug.15,1952. 6 F2278
Colts.

5628 PORTER, W. H. Plan for winter feeding now. West. Livestock J. 30(48):141-143,145. Aug.15,1952. 6 F2278
Feeding horses.

Veterinary Medicine

5629 ALEXANDER, F., and BENZIE, D. A radiological study of the digestive tract of the foal. Q. J. Expt. Physiol. & Cog. Med. Sci. 36:213-217. Oct.1951. 447.8 Q1

5630 ALICE, F. J. Equine encephalomyelitis in Bahia: a study of three isolated strains. (In Portuguese.) Cong. Bras. de Vet. An. 5:585-608. Ref. 1950,pub.1951. 41.9 C7695A
English summary.

5631 ANDREEV, K. P. Contagious catarrh of the upper respiratory organs in horses and measures for controlling it. (In Russian.) Veterinariia 29(7):25-27. July 1952. 41.8 V6426

5632 BASKAKOVA, L. Intravenous introduction of non-specific serum during fatigue in horses. (In Russian.) Konevodstvo 22(9):20-26. Sept.1952. 42.8 K832

5633 BRODAUF, H. Zervixanomalien als indikation für die technische besamung bei stuten. Monatsh. f. Vetmed. 7:309-319. Ref. Aug.15,1952. 41.8 M742

5634 BUTIERRES, E. A. The hoof and its importance in the English race horse. (In Portuguese.) Granja [Porto Alegre] 7(56):22. Nov.1951. 9.2 G76

5635 DEHNER, O. Gedanken über die begriffe "stätigkeit" und "zugfestigkeit" bei pferden. Tierärzt. Umschau 7:317-321. Ref. Sept.1952. 41.8 T445

5636 DOLL, E. R., and others. The influence of an equine fetal tissue vaccine upon hemagglutination activity of mare serums: its relation to hemolytic icterus of new born foals. Cornell Vet. 42:495-505. Oct.1952. 41.8 C81
M. G. Richards, M. E. Wallace, and J. T. Bryans, joint authors.

5637 DOLL, E. R. Observations on the clinical features and pathology of hemolytic icterus of newborn foals. Amer. J. Vet. Res. 13:504-508. Ref. Oct.1952. 41.8 Am3A

5638 DOLL, E. R. Seasonal incidence and fetal age in equine virus abortion. Cornell Vet. 42:505-509. Oct. 1952. 41.8 C81

5639 EGYED, M., and MIKLOVICH, M. Variation in blood concentration following the administration of various sulphonamide compounds. Acta Vet. 2:87-95. 1952. 41.8 Ac83
Horses.

5640 FEDOTOV, N. S. A support for fixation of electrodes of the ultraviolet current on the withers of a horse. (In Russian.) Veterinariia 29(9):58-59. Sept. 1952. 41.8 V6426

5641 FORENBACHER, S. B1-avitaminosis of horses; new aspects of the pathogenesis and treatment. (In Serbo-Croatian.) Vet. Arh. 22:1-11. Ref. 1952. 41.8 V6416
English summary.

5642 GALLINA, L. Obstetrical notes. X-XI. (In Italian.) Prog. Vet. 7:553-554. Aug.1/15,1952. 41.8 P942
Dystocia in horses.

5643 GONZÁLEZ CUBILLO, J. Modificaciones técnicas del método Cuboni en el diagnóstico de gestación en la yegua y la burra. Veterinaria [Madrid] 16:815-816. Sept.1952. 41.8 V6429

5644 GRATZL, E. Zur therapie der koliken des pferdes. Tierärztl. Umschau 7:303-310. Ref. Sept.1952. 41.8 T445

5645 GRZIMEK, B. Versuche über das farbsehen von pflanzenessern. I. Das farbige sehen (und die sehschärfe) von pferden. Z. f. Tierpsychol. 9:23-39. Ref. June 1952. 410 Z35

5646 GUIMARAES, L. M., ARAUJO, T. L. DE, and LACERDA, P. M. G. DE. Occurrence of nuttalliosis in Thoroughbred race horses in São Paulo. (In Portuguese.) Cong. Bras. de Vet. An. 5:623-627. 1950,pub. 1952. 41.9 C7695A
English summary.

5647 JOSEPH. Le diagnostic biologique de la gestation chez la jument. Élevage et Cult. 4(45):5-8. Sept.1952. 24 EL2

5648 KANAMRI, M., TANAKA, O., and NAKAGAWA, J. Studies on form of iron and iron-containing material in living tissue. IV. On the iron-containing protein of horse spleen. (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:91-100. Mar.1952. 22.5 K993
English summary.

5649 KARASSZON, D. Beiträge zur kenntnis der in den epithelzellen des plexus chorioideus des pferdehirns befindlichen einschlüsse. Acta Vet. 2:19-26. 1952. 41.8 Ac83

5650 KILLNER, M., and SANDOVAL, L. A. Contribution to the knowledge of arterial blood pressure in the horse. I. The determination of arterial blood pressure in the Thoroughbred racing horse. (In Portuguese.) Cong. Bras. de Vet. An. 5:253-270. Ref. 1950,pub.1951. 41.9 C7695A
English summary.

5651 KINNAS, C. Des substances pharmaceutiques employées pour le doping des chevaux de course. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B 4: 72-78. Apr./June 1951. 41.9 So18

5652 KRALJ, J. X-ray diagnosis of tooth cysts in horse. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1: 455-463. 1952. 41.8 V6494
English summary.

5653 KUZNETSOV, G. S. Differential diagnosis of some purulent infections of the hoof and of the hoof joint in a horse. (In Russian.) Veterinariia 29(8):47-51. Aug. 1952. 41.8 V6426

5654 LANDON, L. L. Terramycin in fistulous withers. Amer. Vet. Med. Assoc. J. 121:291. Oct.1952. 41.8 Am3

5655 LANGKAMP. Reinfektion von beschälseuchepferden mit Trypanosoma equiperdum. Deut. Tierärztl. Wchnschr. 59:297-299. Ref. Oct.1,1952. 41.8 D482

5656 LEUTHOLD, A. Zur lokalen applikation von penicillin bei eiteriger sinusitis, podotrochlitis und perforierender corneawunde. Tierärztl. Umschau 7:357-359. Oct.1952. 41.8 T445

5657 LEVINE, N. D., and IVENS, V. The effect of some n-heterocyclic compounds on the developmental stages of horse strongyles. Amer. J. Vet. Res. 13:520-525. Ref. Oct.1952. 41.8 Am3A

5658 LIEBNITZ, W. Das krippensetzen (koppen) der pferde und seine operative beseitigung. Tierärztl. Umschau 7:368-372. Oct.1952. 41.8 T445

5659 MCCUNN, J. Functional disorders of the horse's heart. Roy. Army Vet. Corps. J. 23:81-92. Sept. 1952. 41.8 G79
Includes discussion.

5660 MCGEE, W. R. The treatment of external injuries. Blood-Horse 64:808-809,832. Oct.18,1952. 42.8 T392

5661 MELLO, M. T. DE, and COSTA, M. The incidence of strangles in Army animals, in the period 1944-1949. (In Portuguese.) Cong. Bras. de Vet. An. 5:665-670. 1950,pub.1951. 41.9 C7695A

5662 MILLAR, R. Observations on the bacterial flora of the vulvo-vaginal tract of mares. Austral. Vet. J. 28:171-173. July 1952. 41.8 Au72

5663 MÜLLER, L. F. Blinddarmmechanismus und blinddarmverstopfung beim pferde. Tierärztl. Umschau 7:326-330. Ref. Sept.1952. 41.8 T445

5664 NEUMANN-KLEINPAUL, K. Blutkörperchensenkung bei jungen traberpferden. Berlin. u. Münch. Tierärztl. Wchnschr. 65:175-178. Sept.1952. 41.8 B45

5665 NISHIKAWA, Y., HARADA, N., and SUGIE, T. Studies on the effect of continuous injection of stilboestrol on the function of reproductive glands. I-II. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser G: Anim. Husb. 3:17-25,27-34. Ref. Mar.1952. 49.9 C434
English summary and tables.
Studies on mares.

5666 PAVLENKO, S. M. Conditioned reflexes of a horse in visual perception. (In Russian.) Konevodstvo 22(8):9-17. Aug.1952. 42.8 K832

5667 PEEL, B. Menace of the toe-grab. Thoroughbred Calif. 15:272-273,294. Oct.1952. 42.8 T393
Unshod young racers.

5668 POVAZHENKO, I. E., BRATIUKHA, S. I., and ABRAMOV, K. K. Surgical operations during ileus in horses. (In Russian.) Veterinariia 29(9):48-53. Sept. 1952. 41.8 V6426

5669 PRITULIN, P. I. On methods for diagnosing brucellosis in horses. (In Russian.) Veterinariia 29(9): 28-29. Sept.1952. 41.8 V6426

5670 ROBERTS, S. J., YORK, C. J., and ROBINSON, J. W. An outbreak of leptospirosis in horses on a small farm. Amer. Vet. Med. Assoc. J. 121:237-242. Oct.1952. 41.8 Am3

5671 ROSENKRANTZ, S. Contribution to the study of "habitual colic" in the horse. (In Italian.) Prog. Vet. 6:615-616,618. Nov.1,1951. 41.8 P942

5672 ROSSI, P., and KOLOCHINE-ERBER, B. Leptospirose et fluxion périodique. Cahiers de Méd. Vét. 21:129-138. Ref. Sept./Oct.1952. 41.8 C11
Horses.

5673 RUMEAU. Essais de traitement de la myoglobinurie paroxystique dans la région de Sidi-bel-Abbès. Rev. de Méd. Vét. [Toulouse] 103:205-211. Apr.1952. 41.8 R32
Horses.

5674 RYAN, T. Las denominaciones tradicionales de las distintas partes del cuerpo del caballo en la zona pampeana. Raza Criolla 2(33):50-51. July 1952. 42.9 As5

5675 SCHEBITZ, H. Die carotisvorlagerung und die jejunumfistel 2 operationen zu experimentellen untersuchungen am pferd. Tierärztl. Umschau 7:310-313. Sept.1952. 41.8 T445

5676 SCHEBITZ, H. Der "paramediane wechselschnitt" fur die laparotomie beim pferd. Berlin. u. Münch. Tierärztl. Wchnschr. 65:166-169. (Cont.) Sept. 1952. 41.8 B45

5677 SCHEBITZ, H. Der "paramediane wechselschnitt" für die laparotomie beim pferd. Berlin. u. Münch. Tierärztl. Wchnschr. 65:206-207. (Concl.) Ref. Oct.1952. 41.8 B45

5678 SCHUTZLER, G., and KLEIN, K. Die dicke und tragfähigkeit von haaren gesunder pferde. Monatsh. f. Vetmed. 7:335-338. Ref. Sept.15,1952. 41.8 M742

5679 SICRE, J. E. Estudio cristalográfico de las hemoglobinas de caballo y de algunos roedores argentinos. La Plata. U. Nac. Facul. de Cien. Quím. Rev. 24: 31-39. Ref. 1949,pub.1952. 385 L31
Summary of thesis.

5680 SIMONNET, H., LE BARS, H., and CHAPEVILLE, F. Pharmacologie de l'intestin du cheval. Action inhibitrice de la bile et du sérum de cheval sur les propriétés contracturantes de certains extraits végétaux. Soc. de Biol. Compt. Rend. 146:885-887. June 1952. 442.9 P21

5681 SLEEPING sickness--danger of equine encephalomyelitis poses summer threat to horses. West. Livestock J. 30(42):117-119. July 15,1952. 6 F2278

5682 SOLANET, E. El pelo bayo. Raza Criolla 2 (33):34-39. July 1952. 42.9 As5

5683 STECK, W. Erfahrungen mit der fingerperkussion am thorax beim pferde. Tierärztl. Umschau 7:321-322. Sept.1952. 41.8 T445

5684 STOGOV, N. S. A case of successful healing of a metatarsal bone fracture in a horse. (In Russian.) Veterinariia 29(7):46-49. July 1952. 41.8 V6426

5685 TATSUMI, H., and others. On the applicability of copper sulphate method to the horse blood. 1-2. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:129-141,143-150. Ref. Mar.1952. 49.9 C434
English summary and tables.
I, by H. Tatsumi, K. Hiroe, M. Kato and K. Ueno; II, by H. Tatsumi, K. Hiroe and K. Ueno.

5686 TODD, A. C. Horse parasites and their control. Thoroughbred Calif. 15:196-197,220-223,268-269. 312-314. Sept.-Oct.1952. 42.8 T393
Includes discussion.

5687 TOHARA, S., WAGAI, B., and MIYAKAWA, A. Studies on the hoof quality of horses. III. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:151-158. Mar.1952. 49.9 C434
English summary.

5688 TRUM, B. F. Normal variances in horse blood due to breed, age, lactation, pregnancy, and altitude. Amer. J. Vet. Res. 13:514-519. Ref. Oct.1952. 41.8 Am3A

5689 TUFVESSON, G. Lymphangitis in horses. III. An experimental and pathologico-anatomical study. Nord. Vetmed. 4:817-860. Ref. Sept.1952. 41.8 N813

5690 ÜBERREITER, O. Spina bifida oculta bei einem fohlen. Tierärztl. Umschau 7:351-355. Oct.1952. 41.8 T445

5691 VERGE, J., and CAUCHY, L. La réaction à l'histoplasmine chez le cheval. Soc. de Biol. Compt. Rend. 146:657. May 1952. 442.9 P21

5692 VOHRINGER, K. Kurzwellentherapie bei der gonotrochlitis chronica der fohlen. Monatsh. f. Vetmed. 7:355-357. Ref. Sept.15,1952. 41.8 M742

5693 WATANABE, T., HIGGINBOTHAM, R. D. and GEBHARDT, L. P. Effect of sodium monofluoroacetate on multiplication of eastern equine encephalomyelitis virus. Soc. Expt. Biol. & Med. Proc. 80:758-761. Ref. Aug./Sept.1952. 442.9 So1

5694 WESTERMARCK, H. Testing of parasympathicomimetica on small intestine from rabbits and with determination of the salivation on horse, normal salivation on horse, and therapeutic principles. (In Swedish.) Nord. Vetmed. 4:879-892. Ref. Sept.1952. 41.8 N813
English summary.

5695 WILDING, J. L., and others. Some blood values of the southwestern burro (Equus asinus asinus). Amer. J. Vet. Res. 13:509-513. Oct.1952. 41.8 Am3A
A. W. Kimball, M. W. Whitaker, B. F. Trum, and J. H. Rust, joint authors.

5696 WILKINSON, G. T. Certain radiographical features of navicular disease. (Extr.) Vet. Rec. 64:607-608. Oct.11,1952. 41.8 V641
Horses.

5697 WIRTH, D. Die hämolytische krankheit der neugeborenen fohlen. Tierärztl. Umschau 7:297-301. Ref. Sept.1952. 41.8 T445

5698 ZIJL, W. J. VAN. A case of right bundle branch block in the horse. (In Dutch.) Tijdschr. v. Diergeneesk. 77:417-422. June 1,1952. 41.8 T431
English summary.

Miscellaneous

5699 AFONICHEVA, A. I. Utilization of horses in agriculture in Ramenskiĭ District, Moscow Region. (In Russian.) Konevodstvo 22(8):6-8. Aug.1952. 42.8 K832

5700 ANASTASIENKO, S. Our practice in training breeding horses. (In Russian.) Konevodstvo 22(9):43-44. Sept.1952. 42.8 K832

5701 CAJAL, A. Cuidemos a los caballos. Chacra 22(262):26-27. Sept.1952. 9 C34

5702 CATHEY, J. Barrel racing horses. West. Horseman 10(10):10-11,38-39. Oct.1952. 42.8 W522

5703 ČIRIĆ, K. Care, feeding and exploitation of work and breeding of horses. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):6-11. July 1952. 21.5 V87

5704 CONOV, K. Horse-power in peasant working cooperatives. (In Serbo-Croatian.) Socijalističko Zemjodelstvo 4(3/4):11-19. Mar./Apr.1952. 280.28 So7
Yugoslavia.

5705 CROCE, L. Farm horses. (In Italian.) Allevatore 8(35):1. Aug.31,1952. 49 AL55

5706 ÉFENDIEV, N. M. Republic's [Azerbaijan] conference on horse raising. (In Russian.) Konevodstvo 22(9):42-43. Sept.1952. 42.8 K832

5707 IGNAT'EVA, M. B. To carry out the weaning of foals and their proper raising during the stable period in an organized manner. (In Russian.) Konevodstvo 22 (8):1-5. Aug.1952. 42.8 K832

5708 JEFFERY, K. B. Jeffery's magic hold. III. Past. Rev. 62:829-831. Aug.16,1952. 23 Au75
Training a colt.

5709 KARLSEN, G. G., KOGAN, A. ÍÀ., and CHUMAEVSKAIÀ, R. A. Results of testing horses of draft breeds during 1950-51. (In Russian.) Konevodstvo 22(8): 18-27; (9):27-39. Aug.-Sept.1952. 42.8 K832

5710 KUMMER, U. VON. Prämlierung junger stuten und hengste in Oldenburg. Landwirtbl. Weser-Ems 99: 859-861. Aug.28,1952. 18 L2345

5711 LEONARD, H. Atención y doma preliminar de los potrillos. Campesino [Santiago] 84(8):31-34. Aug.1952 9.3 So12

5712 LESNIKOV, I. G. New success of collective farm horse raisers of the Don [area]. (In Russian.) Konevodstvo 22(9):40-42. Sept.1952. 42.8 K832

5713 MCCURRY, L. Watch that colt! West. Horseman 17(11):18,48. Nov.1952. 42.8 W522
Training.

5714 MAGALHAES, A. B. B. DE. The elevation of the base of the neck of saddle horses. (In Portuguese.) Rev. Mil. de Romonta e Vet. 12:29-33. Jan./Mar.1952. 41.8 R3219
English summary.

5715 REED, F. Your pony: care and training from birth to old-age. London,Bles,1952. 159 p. 42 R252

5716 RUTHE, H. Huf- und klauenpflege. Deut. Landwirt. 3:489-493. Sept.1952. 18 D4822

5717 SCHULZE-DIECKHOFF, A. Gedanken zur provinzial-pferdeleistungsschau Münster. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1507-1508. Sept.18, 1952. 18 L2346

5718 SIMAN'KO, M. I. Practices of horse raisers of Zhdanov Agricultural Artel in Stalin District, Dnepropetrovsk Region. (In Russian.) Konevodstvo 22(8):33-34. Aug.1952. 42.8 K832

5719 TRACY, L. Weanlings--they pass from childhood to adolescence in a couple of days. Thoroughbred Rec. 156(14):10-11,22. Oct.4,1952. 42.8 T39

5720 ZEVAKINA, V. P. Practices of the horse raising commercial farm of Gorki Kolkhoz in Frunze District, Southern-Kazakhstan Region. (In Russian.) Konevodstvo 22(8):31-32. Aug.1952. 42.8 K832

LABORATORY ANIMALS, SMALL

Feeds and Feeding

5721 MORIMOTO, H., and HAYASHI, Y. Studies on the influence of the intermittent nutrition. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:155-164. July 1952. 49.9 C434
English summary and tables.
Rats as laboratory animals.

5722 PFANDER, W. H., and MITCHELL, H. H. The ascorbic acid requirement of the guinea pig when adrenal weight and odontoblast height are used as criteria. J. Nutr. 47:503-522. Ref. Aug.11,1952. 389.8 J82

5723 PFANDER, W. H. The effects of iodinated casein, thiouracil and cortisone on the ascorbic acid requirement of the male guinea pig. J. Nutr. 47:487-500. Ref. Aug.11,1952. 389.8 J82

Veterinary Medicine

5724 COTTON, C. M., and SWOPE, R. E. A study of the effect of aureomycin, terramycin, and neomycin on brucellosis in guinea pigs. Cong. Bras. de Vet. An. 5:677-681. Ref. 1950,pub.1951. 41.9 C7695A

5725 FESCE, A. Experiment to compare the efficacy of four different antituberculosis vaccines with cavies placed in living quarters with tuberculous cavies. (In Italian.) Ist. Vaccinogeno Antituberc. Not. 2:83-96. Ref. Apr./June 1952. 41.9 Is7
English summary.

5726 GOTO, T., and UGAMI, S. Changes in the alkaline phophatase activity of the mammary gland. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:1-5. Ref. Mar.1952. 49.9 C434
English summary and tables.
Rats used as laboratory animals.

5727 GWATKIN, R., and DZENIS, L. Brucellosis. III. Comparison of immunity produced in guinea pigs by strain 19 in saline and in a saline-oil emulsion. Canad. J. Compar. Med. 16:338-341. Sept.1952. 41.8 C162

5728 NAKAJIMA, T., and others. On the influence of the feed upon bones. VI-VII. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:209-219. Ref. Mar. 1952. 49.9 C434
T. Sugita, T. Watanabe and K. Arai, joint authors.
English summary and table.
Rats as laboratory animals.

5729 TORRES, C. M., CARDOSO, R. A. DE A., and PACHECO, G. A streptococcic epizootic disease in guinea pigs. (In Portuguese.) Cong. Bras. de Vet. An. 5: 671-676. 1950,pub.1951. 41.9 C7695A
Lymphadenitis caused by Streptococcus zooepidemicus.

POULTRY

Breeds and Breeding

5730 ABPLANALP, H., and KOSIN, I. L. Heritability of body measurements in turkeys. Poultry Sci. 31:781-791. Ref. Sept.1952. 47.8 Am33P

5731 BRAGG, D. D. An attempt to determine the cause of curled or deformed tongues in young Beltsville White turkeys. (Abs.) Poultry Sci. 31:908. Sept.1952. 47.8 Am33P

5732 BRILES, W. E. The drift of a series of blood group alleles in related inbred lines of chickens. (Abs.) Genetics 37:568-569. Sept.1952. 442.8 G28

5733 BRUNSON, C. C., and GODFREY, G. F. The effect of some egg characteristics upon the hatchability of Broad Breasted Bronze turkey eggs. (Abs.) Poultry Sci. 31:909. Sept.1952. 47.8 Am33P

5734 BUTTNER, E. E. So you want to keep pigeons! Mating. So. African Poultry, Pigeon & Bird Mag. 81(487): 26,29. Aug.1952. 47.8 So83

5735 CASTILLO, J. DEL. Las gallinas Utreranas; historia y descripción de esta nueva raza. Utrera,1951. 135 p. 47 C275

5736 DOWLING, J. J. The Jersey Buffs. Turkey World 27(10):16-17,90-91. Oct.1952. 47.38 T48

5737 EVANS, B. Some observations on breeding Rollers. Amer. Pigeon J. 41:294,312-313,318. Oct.1952. 47.8 Am35

5738 FAELLESUDVALGET FOR FJERKRAEAVLEN. Breeding poultry from Denmark. København,1952? 16 p.-folder. 47 F122

5739 FOSTER, J. C., JR. Pigeon racing. Amer. Racing Pigeon News 68(10):6-7. (Cont.) Oct.1952. 47.8 H75
Installment is on color inheritance.

5740 FRIGERIO, J. C. Inseminación artificial en gallinas. Chacra 22(262):44-45. Sept.1952. 9 C34

5741 GILBREATH, J. C., and UPP, C. W. The growth pattern of the Cornish fowl. La. Agr. Expt. Sta. Tech. B. 464,43 p. Ref. Apr.1952. 100 L93

5742 GODFREY, E. F., and JAAP, R. G. The inheritance of growth and adult body size in the domestic fowl. (Abs.) Poultry Sci. 31:918. Sept.1952. 47.8 Am33P

5743 GODFREY, G. F., and WILLIAMS, C. N. Heritability of growth in the domestic fowl. (Abs.) Genetics 37:585. Sept.1952. 442.8 G28

5744 GOODWIN, K., and COLE, R. K. A strain difference in the gonadotrophic activity of the pituitary in young White Leghorn males. (Abs.) Poultry Sci. 31:918. Sept.1952. 47.8 Am33P

5745 GRIMES, J. F., and CLARK, T. B. Reproductive performance in the turkey. I. Influence of kind of matings on hatchability. (Abs.) Poultry Sci. 31:919. Sept.1952. 47.8 Am33P

5746 GROS, C. M., and WALTER, F. X. Crête du coq: représentation numérique de Pézard et loi de régression. Soc. de Biol. Compt. Rend. 146:947-952. June 1952. 442.9 P21

5747 HATHAWAY, H. E. Test shows possibilities of improving meat yields. Broiler Growing 3(10):46-48. Oct.1952. 47.8 B782
Birds from Chicken-of-Tomorrow contest used.

5748 HAYS, F. A. Possible effects of sex-linked genes on reproduction and fecundity in Rhode Island Reds. Poultry Sci. 31:826-829. Ref. Sept.1952. 47.8 Am33P

5749 HENDERSON, E. W. A Silver-Laced chicken with Cornish ancestry. Mich. Agr. Expt. Sta. Q. B. 35: 125-129. Aug.1952. 100 M58S

5750 JAAP, R. G., and ROBERTSON, H. Hormone sensitivity in inbred lines of Brown Leghorns. (Abs.) Poultry Sci. 31:921. Sept.1952. 47.8 Am33P

5751 JAPP, G. A. Poultry breeding and the geneticist. Poultry Indus. [Boston] 58:5,23-25. Sept.1952. 47.8 N44

5752 JEROME, F. N., and HUNTSMAN, C. M. Gynandromorphism and mosaicism in the domestic fowl. (Abs.) Poultry Sci. 31:921-922. Sept.1952. 47.8 Am33P

5753 JOHNSON, A. A. Domestic ducks. Estate Mag. 52:378-379. Sept.1952. 10 Es8
Breeds.

5754 JONES, J. H. Hagerdoorn system of poultry breeding. New Zeal. J. Agr. 85:107-108. Aug.15,1952. 23 N48J

5755 JULL, M. A. Outstanding is the progress in poultry breeding in the past 25 years. Hatchery & Feed 26(10):55-60. Oct.1952. 47.8 H28

5756 KAISHIO, Y., and HASHIZUME, T. On the fasting catabolism in the fowl, "Mikawa" cock. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:123-127. July 1952. 49.9 C434

5757 KIMBALL, E. Genetics of primary plumage patterns in the fowl. (Abs.) Genetics 37:594. Sept.1952. 442.8 G28

5758 KOCH, M. Kann der züchter die elqualität noch verbessern? Eier-, Wild-, Geflugel- u. Honig-Markt 4(111):9. Sept.18,1952. 280.38 Ei3

5759 KRUEGER, W. F., and others. The genetic and environmental relationship of total egg production to its components and to body weight in the domestic fowl. (Abs.) Poultry Sci. 31:922-923. Sept.1952. 47.8 Am33P
G. E. Dickerson, Q. B. Kinder, and H. L. Kempster, joint authors.

5760 LANKFORD, L., and MCCLUNG, M. R. Heritability of 10 week weight in a broiler strain of chickens. (Abs.) Poultry Sci. 31:923. Sept.1952. 47.8 Am33P

5761 MCCARTNEY, M. G. The physiology of reproduction in turkeys. 3. Poultry Sci. 31:878-881. Sept. 1952. 47.8 Am33P

5762 MCCARTNEY, M. G. Rate of growth, efficiency of feed utilization, and market quality in three varieties of turkeys to eighteen weeks. Poultry Sci. 31:838-843. Sept.1952. 47.8 Am33P

5763 MACEDO, J. J. DE. Aureomycin - its action on growth; development of sexual characteristics in cockerel. (In Portuguese.) Cong. Bras. de Vet. An. 5:427-436. 1950,pub.1951. 41.9 C7695A
English summary.

5764 MACILRAITH, J. J. Artificial breeding as a supplement to natural mating in Broad Breasted Bronze turkeys. (Abs.) Poultry Sci. 31:925. Sept.1952. 47.8 Am33P

5765 MACKLIN, H. P. Pigeon portraits: the German Longfaced Tumbler. 1. Amer. Pigeon J. 41:296-297. Oct.1952. 47.8 Am35

5766 MEÍBOM, B. G. Arzamasskaía breed of geese (In Russian.) Sotsialist. Zhivotnovod. 14(3):85-87. Mar. 1952. 49 So71

5767 MILSTEAD, E. A discussion of close-breeding. Amer. Pigeon J. 41:294. Oct.1952. 47.8 Am35

5768 MOULTRIE, F., KING, D. F., and COTTIER, G. J. Influence of heterosis on viability in an inter-strain cross of White Leghorns. (Abs.) Poultry Sci. 31:928. Sept.1952. 47.8 Am33P

5769 NAKHLUPINA, A. G. Kuchinsk Leghorns. (In Russian.) Ptitsevodstvo 2:7-9. Feb.1952. 47.8 P95
At Kuchinsk Hatchery.

5770 NEWCOMER, E. H., and BRANT, J. W. A. The chromosomes of the domestic fowl. (Abs.) Poultry Sci. 31:929. Sept.1952. 47.8 Am33P

5771 PETROVA, A. F. Effect of hatching dates of [White Leghorn] chicks on productivity of breeding hens. (In Russian.) Ptitsevodstvo 5:13-15. May 1952. 47.8 P95

5772 ROBERTS, E., and others. Inheritance of egg weight. Poultry Sci. 31:870-875. Ref. Sept.1952. 47.8 Am33P
L. E. Card, W. E. Shaklee, and N. F. Waters, joint authors.

5773 ROOF, P. L. Pointers on exhibiting the Turbit. Amer. Pigeon J. 41:293,318. Oct.1952. 47.8 Am35

5774 SANDOVAL QUIÑÓNEZ, S. Razas de gallinas. Rev. Ganad. [San Salvador] 11(147):22-24. July/Aug. 1952. 8 R3292

5775 SHAFFNER, C. S., and others. A study of breed and strain differences in broiler chickens. Md. Agr. Expt. Sta. Misc. P. 129,5 p. 1952? 100 M36M
P. F. Twining, G. F. Combs, and M. A. Jull, joint authors.

5776 SHAKLEE, W. E., KNOX, C. W., and MARSDEN, S. J. Heritability of egg production in Beltsville Small White turkeys. (Abs.) Poultry Sci. 31:935. Sept. 1952. 47.8 Am33P

5777 SHAKLEE, W. E., KNOX, C. W., and MARSDEN, S. J. Inheritance of the sex difference of body weight in turkeys. Poultry Sci. 31:822-825. Sept.1952. 47.8 Am33P

5778 SHRADER, H. L., and others. We're designing a better meat bird. East.States Coop. 28(11):8-11. Nov. 1952. 280.28 Ea7
H. C. Pierce, O. F. Hubbard, and R. Sturtevant, joint authors.

5779 SILSON, R. G. Preservation of a bloodline. Amer. Racing Pigeon News 68(10):9. Oct.1952. 47.8 H75

5780 SMYTH, J. R., JR. Breeding for light plumage color. Turkey World 27(10):11,95-97. Oct.1952. 47.38 T48

5781 STORCK, A. G. White Cochin Bantams. Poultry Press 38(20):3. Aug.28,1952. 47.8 P8643

5782 STOTTS, C. E., and DARROW, M. I. Yields of edible meat from Cornish crossbreds, non-Cornish crossbreds and purebred broilers. (Abs.) Poultry Sci. 31:937. Sept.1952. 47.8 Am33P

5783 TORRES DE LA PUERTA, C. Selección externa de reproductores. Chacra 22(263):43. Oct.1952. 9 C34
Poultry.

5784 VAN SCHALKWYK, W. R., and LIEBENBERG, C. R. The Black Australorp, the White Leghorn, and their reciprocal crosses. Farming So. Africa 27:363-364,374,408-410. July-Aug.1952. 24 So842

5785 VERSTEEG, H. Le pigeon "Lahore." Cour. Hort. 14:448. Aug.1952. 80 C834

5786 WARREN, D. C. Breeding for broiler production. Turkey World 27(11):20-21. Nov.1952. 47.38 T84

5787 WATMOUGH, W. How to breed winners. Fur & Feather 115:596. Sept.11,1952. 49 F96
Pigeons.

5788 WOITH. Die grösse der Zwerghühner. Allg. Geflügel-Ztg. 32(22):1-2. Aug.1,1952. 47.8 AL5

Feeds and Feeding

5789 ABBOTT LABORATORIES. Faster growth, better feed efficiency, improved feathering, better coloring with Pro-Gen, arsanilic acid feed additive for chickens and turkeys. North Chicago,1952. 20 p. 47 Ab2

5790 AXELSSON, J. Hönsens utfodring och skötsel: en handledning [Feeding and care of chicken: a guide]. Uppsala,Minerva,1951. 216 p. 47 Ax2

5791 BAUM, E. L., FLETCHER, H. B., and WALKUP, H. G. Application of profit maximizing principles to experimental fryer input-output data. (Abs.) Poultry Sci. 31:906. Sept.1952. 47.8 Am33P
Feed relationships.

5792 BAUM, E. L., FLETCHER, H. B., and WALKUP, H. G. An application of profit maximizing principles to fryer production enterprises: a case study approach. (Abs.) Poultry Sci. 31:906-907. Sept.1952. 47.8 Am33P
Feed relationships and management.

5793 BEARSE, G. E., and others. The effect on chick growth and feed efficiency of pelleting rations of different fiber levels. (Abs.) Poultry Sci. 31:907. Sept. 1952. 47.8 Am33P
L. R. Berg, C. F. McClary, and V. L. Miller, joint authors.

5794 BENFIELD, E. J. How they fed in 1902. Gamecock 15(5):20-21. Sept.1952. 47.8 G142

5795 BIELY, J., MARCH, B. E., and SMITH, D. F. The effect of feeding antibiotics on the carbohydrate and protein requirements of the chick. Poultry Sci. 31:863-870. Sept.1952. 47.8 Am33P

5796 BIRD, H. R. Antibiotics, arsenicals and surfactants. (Sum.) Feedstuffs 24(38):60-61. Sept.20,1952. 286.81 F322
In poultry feeding.

5797 BIRD, H. R., LILLIE, R. J., and SIZEMORE, J. R. Environment and stimulation of chick growth by antibiotics. (Abs.) Poultry Sci. 31:907. Sept.1952. 47.8 Am33P

5798 BLAKELY, R. M., MACGREGOR, H. I., and ANDERSON, R. W. The stability of procaine penicillin during the pelleting process. (Abs.) Poultry Sci. 31:939. Sept.1952. 47.8 Am33P
In poultry feed.

5799 BLETNER, J. K., and others. The effect of sulfaquinoxaline in different ration formulations on growth and feed efficiency of coccidia-free chicks. (Abs.) Poultry Sci. 31:907. Sept.1952. 47.8 Am33P
T. B. Clark, C. E. Weakley, Jr., and A. H. VanLandingham, joint authors.

5800 BRANION, H. D., and ANDERSON, G. W. Antibiotics and the growth of ducks. (Abs.) Poultry Sci. 31: 908. Sept.1952. 47.8 Am33P

5801 BURMISTROV, P. Increasing the effectiveness of feeds in poultry fattening. (In Russian.) Mĥasnaĥa Indus. SSSR. 23(4):63-66. July/Aug.1952. 50.8 M58

5802 CAMP. A. A., and STEPHENSON, E. L. An unidentified chick growth factor found in corn hydrol. (Abs.) Poultry Sci. 31:910. Sept.1952. 47.8 Am33P

5803 CARLSON, C. W., and others. Antibiotics in breeder diets. (Abs.) Poultry Sci. 31:910. Sept.1952. 47.8 Am33P
D. G. Jones, R. A. Wilcox, and W. Kohlmeyer, joint authors.

5804 CARPENTER, K., and DUCKWORTH, J. Animal protein for poultry and pigs. Brit. Agr. B. 5:165-170. Sept.1952. 10 B776

5805 CARVER, D. S., and JOHNSON, E. L. Unidentified growth factors in vegetable oils and fatty acid concentrates. (Abs.) Poultry Sci. 31:910-911. Sept.1952. 47.8 Am33P

5806 COMBS, G. F. Algae (Chlorella) as a source of nutrients for the chick. Science 116:453-454. Oct.24, 1952. 470 Sci2

5807 DANSKY, L. M., and HILL, F. W. The influence of dietary energy level on the distribution of fat in various tissues of the growing chicken. (Abs.) Poultry Sci. 31:912. Sept.1952. 47.8 Am33P

5808 DIAMOND, W. T. Recent years have seen great progress in feeds. Hatchery & Feed 26(10):8-9. Oct.1952. 47.8 H28

5809 DIETRICH, L. S., MONSON, W. J., and ELVEHJEM, C. A. Studies on an unidentified growth factor for chicks and hyperthyroid rats fed purified rations. Arch. Biochem. & Biophys. 38:91-96. Ref. July 1952. 381 Ar2

5810 ELAM, J. F., and others. Possible mechanisms involved in the growth promoting responses obtained from antibiotics. (Abs.) Poultry Sci. 31:9-4-915. Sept.1952. 47.8 Am33P
R. L. Jacobs, W. L. Tidwell, and J. R. Couch, joint authors.

5811 FISHER, H., SINGSEN, E. P., and MATTERSON, L. D. The influence of feed efficiency on the phosphorus requirement for growth and bone calcification in the chick. (Abs.) Poultry Sci. 31:916. Sept.1952. 47.8 Am33P

5812 FOX, T. W., and BOHREN, B. B. Feed efficiency among breeds of chickens and its relationship to rate of growth. (Abs.) Poultry Sci. 31:916. Sept.1952. 47.8 Am33P

5813 FRIEDMAN, L. Report on vitamin D in poultry feed supplements. Assoc. Off. Agr. Chem. J. 35:715-721. Aug.15,1952. 381 As7

5814 GARCIA, P. R., and FRONDA, F. M. Water treated ipil-ipil (Leucaena glauca Linn.) seed meal in rations for growing chicks. Philippine Agr. 35:143-146. Aug.1951. 25 P542

5815 GERRY, R. W., SMYTH, J. R., and HOWES, C. E. High efficiency rations for replacement stock and laying hens. (Abs.) Poultry Sci. 31:917. Sept.1952. 47.8 Am33P

5816 GONZALEZ SILVA, E. J. Importancia de la vitamina D en las aves. Pampa Argentina 25(295):12-13. July 1952. 9 P19

5817 GRAU, C. R., and ZWEIGART, P. A. Studies of purified diets for egg production and hatchability. (Abs.) Poultry Sci. 31:919. Sept.1952. 47.8 Am33P

5818 HALBROOK, E. R. Getting the most from vitamin B-12. Norbest Turkey News 17(3):1,6-7. Sept. 1952. 47.38 N75

5819 HARRIS, P. L., and QUAIFE, M. L. Vitamin E (alpha tocopherol) in poultry nutrition. Feedstuffs 24(46): 20,22. Nov.15,1952. 286.81 F322

5820 HEUSER, G. F., and NORRIS, L. C. Some results of feeding antibiotics to chickens. Poultry Sci. 31: 857-862. Sept.1952. 47.8 Am33P

5821 HEYWANG, B. W., and BIRD, H. R. Failure of several amino compounds and of sardine meal to inactivate gossypol in diets of breeding chickens. Poultry Sci. 31:805-809. Sept.1952. 47.8 Am33P

5822 HILL, D. C., and BRANION, H. D. Influence of diet composition on the response of chicks to vitamin B_{12}. Poultry Sci. 31:892-897. Ref. Sept.1952. 47.8 Am33P

5823 HILL, F. W., and others. Broiler rations. Amer. Feed & Grain Dealer 36(8):20-21,41. Sept.1952. 298.8 C83
L. C. Norris, G. F. Heuser, and M. L. Scott, joint authors.

5824 HILL, F. W., and DANSKY, L. M. The influence of diet on body composition of growing chickens. Grain & Feed J. Consolidated 109(7):37-38. Oct.8,1952. 298.8 G762

5825 JOHNSON, E. L. Poultry nutrition. Flour & Feed 53(5):31. Oct.1952. 298.8 F66

5826 KOLOBOV, G. M. On some nutrition problems of domestic fowl. (In Russian.) Ptitsevodstvo 2:24-26. Feb.1952. 47.8 P95

5827 KONDRATIUK, N., and PREVO, A. Some results of machine fattening of poultry. (In Russian.) Mîasnaîa Indus. SSSR. 23(3):65-69. May/June 1952. 50.8 M58

5828 KOON, A. W. Finish your turkeys. Turkey World 27(11):54-55. Nov.1952. 47.38 T84

5829 KOSILOVA, A., and KUSTOVA, L. Preparation of cocks for fattening. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):67-68. July/Aug.1952. 50.8 M58

5830 KRATZER, F. H. The effect of liver concentrate and aureomycin upon the growth of chicks. Poultry Sci. 31:899-901. Sept.1952. 47.8 Am33P

5831 KRATZER, F. H., WILLIAMS, D. E., and MARSHALL, B. The requirement for isoleucine and the activities of its isomers for the growth of turkey poults. J. Nutr. 47:731-635. Aug.11,1952. 389.8 J82

5832 LEWIS, R. W., and SANFORD, P. E. Use of equivalent levels of antibiotic and vitamin B_{12} supplements with soybean and cottonseed oil meal diets. (Abs.) Poultry Sci. 31:940. Sept.1952. 47.8 Am33P

5833 LILLIE, R. J., SIZEMORE, J. R., and BIRD, H. R. Development of a chick assay for an unknown growth factor. (Abs.) Poultary Sci. 31:923. Sept.1952. 47.8 Am33P

5834 LINDBLAD, G. S., and others. Effect of aureomycin on the calcium and phosphorus requirements of chicks. (Abs.) Poultry Sci. 31:923-924. Sept.1952. 47.8 Am33P
S. J. Slinger, G. W. Anderson, and I. Motzok, joint authors.

5835 MCCLYMONT, G. L. Scientific poultry feeding. Sydney,1952. 44 p. (A New South Wales Department of Agriculture Publication) 47 M13

5836 MACGREGOR, H. I., BLAKELY, R. M., and ANDERSON, R. W. Growth response of turkey poults to procaine penicillin added to the diet at various ages. (Abs.) Poultry Sci. 31:924-925. Sept.1952. 47.8 Am33P

5837 MADSEN, I. L. The nutritional values of beet sugar molasses by-products. (Abs.) Poultry Sci. 31: 925. Sept.1952. 47.8 Am33P
For poultry.

5838 MAGRUDER, N. D., and others. The variable response of normal chicks to "stress" rations and a vitamin B_{12} supplement. (Abs.) Poultry Sci. 31:925. Sept. 1952. 47.8 Am33P
J. K. Bletner, T. B. Clark, C. E. Weakley, Jr., and A. H. VanLandingham, joint authors.

5839 MAKSIN, N. V. A vitamin paste for poultry feeding. (In Russian.) Ptitsevodstvo 5:27-28. May 1952. 47.8 P95

5840 MASLIEVA, O. I. In regard to a biological evaluation of feeding stuffs utilized in poultry raising. (In Russian.) Ptitsevodstvo 2:22-23. Feb.1952. 47.8 P95
Lysine and tryptophan in feeds.

5841 MATTERSON, L. D., and others. Combinations of antibiotics as growth stimulants in chick starting and growing rations. (Abs.) Poultry Sci. 31: 926. Sept.1952. 47.8 Am33P
E. P. Singsen, L. Decker, and A. Kozeff, joint authors.

5842 MATTERSON, L. D., and others. The influence of protein level, aureomycin and vitamin B_{12} on the growth and feed efficiency of chicks. (Abs.) Poultry Sci. 31:940-941. Sept.1952. 47.8 Am33P
E. P. Singsen, L. Decker, and A. Kozeff, joint authors.

5843 MENGE, H., and others. Some properties of an unidentified chick growth factor in condensed fish solubles. (Abs.) Poultry Sci. 31:927-928. Sept.1952. 47.8 Am33P
C. A. Denton, R. J. Lillie, and H. R. Bird, joint authors.

5844 MENGE, H., and COMBS, G. F. Studies on the fractionation of an unidentified growth factor required by chicks and poults. (Abs.) Poultry Sci. 31:927. Sept.1952. 47.8 Am33P

5845 MILLER, J. P. How to feed your layers. Pacific Poultryman 56(10):6,32-34. Oct.1952. 47.8 P112

5846 MILLIGAN, J. L., ARSCOTT, G. H., and COMBS, G. F. Vitamin B_{12} requirement of New Hampshires. 2. Influence of maternal ration on requirement of progeny. Poultry Sci. 31:830-837. Sept.1952. 47.8 Am33P

5847 MORIMOTO, H., TAKAHASHI, S., and ONISHI, N. Effect of iodine upon egg production and interior egg quality. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:145-153. July 1952. 49.9 C434
English summary and tables.

5848 MUNRO, S. S. Effect of different feed formulas on blood-spotting. (Abs.) Poultry Sci. 31:929. Sept.1952. 47.8 Am33P

5849 NELSON, T. S., and SCOTT, H. M. The effect of antibiotics and type of carbohydrate on the dietary niacin requirement of the chick. (Abs.) Poultry Sci. 31: 929. Sept.1952. 47.8 Am33P

5850 O'NEIL, J. B. Further evidence of the carry-over of vitamin B_{12} in chicks. Poultry Sci. 31:764-768. Ref. Sept.1952. 47.8 Am33P
Feeding experiment.

5851 O'ROURKE, W. F., PHILLIPS, P. H., and CRAVENS, W. W. The phosphorus requirements of growing chickens as related to age. (Abs.) Poultry Sci. 31:930. Sept.1952. 47.8 Am33P

5852 PATRICK, H., and SCHWEITZER, G. K. Absorption and retention of radioactive phosphorus by chicks. Poultry Sci. 31:888-892. Sept.1952. 47.8 Am33P

5853 PETERSON, D. W., GRAU, C. R., and PEEK, N. F. Growth and food utilization with diets of varying protein and cellulose levels. (Abs.) Poultry Sci. 31:931. Sept.1952. 47.8 Am33P

5854 PETERSON, J. E., and LARKIN, J. V. The feeding of fish-oil supplements in relation to pullorum testing of poultry. Austral. Vet. J. 28:201-203. Aug. 1952. 41.8 Au72

5855 PLATT, F. L. Vitamins in poultry feeds. Everybodys Poultry Mag. 57(10):12,30-31. Nov.1952. 47.8 F213P

5856 REYNTENS, N. Etude sur l'emploi de préparations à base de vitamine B_{12} et d'antibiotiques dans les aliments composés pour poussins et porcs à l'engrais. Rev. de l'Agr. 5:927-959. Ref. Sept.1952. 13 R322
English summary.

5857 RINGROSE, R. C., and POTTER, L. M. Methionine, vitamin B_{12} and fish meal as supplements in an all-vegetable chick starting ration. (Abs.) Poultry Sci. 31:932. Sept.1952. 47.8 Am33P

5858 ROMOSER, G. L., SHORB, M. S., and COMBS, G. F. Studies on mechanism of antibiotics in promoting chick growth. (Abs.) Poultry Sci. 31:932. Sept.1952. 47.8 Am33P

5859 ROSENBERG, M. M. Low grade sugar, a potential carbohydrate feedstuff for laying chickens. (Abs.) Poultry Sci. 31:933. Sept.1952. 47.8 Am33P

5860 ROSS, E., and YACOWITZ, H. The effect of penicillin on vitamin D requirements for growth and bone calcification. (Abs.) Poultry Sci. 31:933. Sept.1952. 47.8 Am33P

5861 SALANDER, R. C., and PATTON, A. R. Free amino acids in chick livers as altered by vitamin B_{12} and fasting. J. Nutr. 47:469-476. Ref. Aug.11,1952. 389.8 J82

5862 SAMOLETOV, A. I., and KHOKHLOV, F. F. Utilization of feed (hydrolyzed-wood) yeasts in poultry raising. (In Russian.) Ptitsevodstvo 3:26-27. Mar.1952. 47.8 P95

5863 SANFORD, P. E. Effect of feeding chicks combinations of vitamin B_{12} and various antibiotic feeding supplements. (Abs.) Poultry Sci. 31:933-934. Sept.1952. 47.8 Am33P

5864 SAXENA, H. C., and MCGINNIS, J. Effect of methionine on the feed efficiency of chicks. (Abs.) Poultry Sci. 31:934. Sept.1952. 47.8 Am33P

5865 SERRAON, A. U. The influence of dried rumen contents of cattle on the rate of growth of chicks. Philippine Agr. 35:83-85. July 1951. 25 P542

5866 SHEEHY, E. J. Eggs and poultry. Agr. Ireland 9:196-197,199. Sept.1952. 10.5 Ag8
Feeding.

5867 SHEVCHENKO, F. Machine feeding of geese. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):89. July/Aug. 1952. 50.8 M58

5868 SIEBURTH, J. F., and others. The availability of the phosphorus in Unifine flour for the chick. Poultry Sci. 31:813-818. Ref. Sept.1952. 47.8 Am33P
J. McGinnis, T. Wahl, and B. A. McLaren, joint authors.

5869 SIZEMORE, J. R., LILLIE, R. J., and BIRD, H. R. Influence of aureomycin in the chick diet upon subsequent reproductive performance of laying hens. (Abs.) Poultry Sci. 31:935-936. Sept.1952. 47.8 Am33P

5870 SLINGER, S. J., and others. Effect of antibiotics on the protein requirement of broilers. Poultry Sci. 31:757-764. Ref. Sept.1952. 47.8 Am33P
J. E. Bergey, W. F. Pepper, E. S. Snyder, and D. Arthur, joint authors.

5871 SLINGER, S. J., and others. Effect of penicillin on the growth of goslings. (Abs.) Poultry Sci. 31:941. Sept.1952. 47.8 Am33P
E. S. Snyder, W. F. Pepper, and G. W. Anderson, joint authors.

5872 SLINGER, S. J., and others. Effect of penicillin on the growth of turkeys fed diets of varying protein content. Poultry Sci. 31:881-887. Sept.1952. 47.8 Am33P
A. M. Morphet, K. M. Gartley, and D. Arthur, joint authors.

5873 SLINGER, S. J., PEPPER, W. F., and HILL, D. C. Effect of penicillin on the tolerance of turkeys to fat. Arch. Biochem. & Biophys. 37:266-269. Ref. 1952. 381 Ar2

5874 SLINGER, S. J., PEPPER, W. F., and HILL, D. C. Methionine supplementation of broiler diets high in wheat. (Abs.) Poultry Sci. 31:936. Sept.1952. 47.8 Am33P

5875 SMETNEV, S. I. Earthworms as feed for chicks. (In Russian.) Ptitsevodstvo 5:15. May 1952. 47.8 P95

5876 SMYSER, C. F., JR., and others. Effect of dietary antibiotics on number of Clostridium perfringens in feces of chickens. Antibiotics & Chemother. 2:363-365. Ref. July 1952. 396.8 An8
R. C. Cleverdon, W. L. Kulp, and L. D. Matterson, joint authors.

5877 STEPHENSON, E. L., and CLOWER, B. B. The influence of an unidentified factor found in fish solubles on hatchability. (Abs.) Poultry Sci. 31:936-937. Sept. 1952. 47.8 Am33P

5878 STOKSTAD, E. L. R., and others. Stability of antibiotics in poultry feeds during pelleting and storage. (Abs.) Poultry Sci. 31:937. Sept.1952. 47.8 Am33P
R. G. Esposito, J. E. Grady, and W. L. Williams, joint authors.

5879 SUNDE, M. L. How to achieve poultry feed efficiency. Feedstuffs 24(38):42-43. Sept.20,1952. 286.81 F322

5880 VALIUS, M. Importance of aneurin for egg production of hens. (In Russian.) Ptitsevodstvo 3:16-18. Mar.1952. 47.8 P95

5881 WAIBEL, P. E., and others. The effect of antibiotics on growth of chicks fed rations of different composition. (Abs.) Poultry Sci. 31:938. Sept.1952. 47.8 Am33P
M. L. Sunde, C. A. Baumann, and W. W. Cravens, joint authors.

5882 WHITE-STEVENS, R. H., HENDRIXSON, W. M., and INGRAM, R. S. Studies on the inter-relation of antibiotic feed supplements and coccidiostatic drugs in the production of broiler chickens on the Delmarva Peninsula. (Abs.) Poultry Sci. 31:939. Sept.1952. 47.8 Am33P

5883 WIESE, A. C., and others. Effect of vitamin B_{12} intake of hens upon carry-over in chicks. Poultry Sci. 31:851-854. Sept.1952. 47.8 Am33P
C. F. Petersen, R. V. Dahlstrom, and C. E. Lampman, joint authors.

5884 WILLIAMS, O. M., and HILL, J. E. The effect of antibiotics on the growth of two varieties of turkey poults. Poultry Sci. 31:769-772. Sept.1952. 47.8 Am33P

5885 WILLIMON, C. P., and MORGAN, C. L. The effect of minor nutrient mineral elements in the diet of chickens on feather pulling and cannibalism. (Abs.) Poultry Sci. 31:941. Sept.1952. 47.8 Am33P

5886 WRIGHT, B. F. Antibiotics. Grit. & Steel 54 (6):22. Oct.1952. 47.8 G88
Natural antibiotics in the field, for poultry.

5887 YOUNG, R. J., GILLIS, M. B., and NORRIS, L. C. The response of chicks to an unidentified factor in peanut meal. (Abs.) Poultry Sci. 31:939. Sept.1952. 47.8 Am33P

Veterinary Medicine

5888 ADLER, H. E., HAMILTON, C. M., and CARVER, J. S. An unsuccessful attempt to treat avian monocytosis with antibiotics. Vet. Med. 47:456-458. Nov.1952. 41.8 M69

5889 ANCEL, P. Sur un phénomène de régulation mis en évidence par des injections de trypaflavine localisées au capuchon céphalique de l'amnios chez l'embryon de poule. Soc. de Biol. Compt. Rend. 146:668-670. May 1952. 442.9 P21

5890 ANDERSON, G. W., SLINGER, S. J., and PEPPER, W. F. Effect of dietary microorganisms on the growth and cecal flora of chicks. (Abs.) Poultry Sci. 31: 905. Sept.1952. 47.8 Am33P

5891 ANDRIANNE, V. F. L'ornithose (psittacose) parmi les pigeons en Belgique. Ann. de Méd. Vét. 96: 323-334. Ref. July 1952. 41.8 An78

5892 ARTEMICHEV, M. A. On a new needle for vaccination with fowl [pox] virus. (In Russian.) Ptitsevodstvo 2:30. Feb.1952. 47.8 P95

5893 BALDINI, J. T., and ZARROW, M. X. Estrogen and serum calcium levels in the bobwhite quail. Poultry Sci. 31:800-804. Ref. Sept.1952. 47.8 Am33P

5894 BALLOUN, S. L., and JOHNSON, E. L. Underheated soybean oil meal increases blood clotting time of chicks. (Abs.) Poultry Sci. 31:905-906. Sept.1952. 47.8 Am33P

5895 BARCELO GARCIA DE PAREDES, A. Coeficiente de digeribilidad. Balearic Isl. Diputación Prov. B. de Agr. 94:5. July 1952. 15 B19
Poultry.

5896 BECKER, E. R. Types of response in individual ducklings and chicks to blood-induced infection with Plasmodium lophurae. Iowa State Col. J. Sci. 26:591-603. July 1952. 470 Io9

5897 BONEY, W. A., JR., and others. Another agent causing air sac involvement in turkeys. Amer. Vet. Med. Assoc. J. 121:269-270. Oct.1952. 41.8 Am3
L. C. Grumbles, J. P. Delaplane, J. V. Irons, and T. D. Sullivan, joint authors.

5898 BOTTS, C. W., and others. The influence of litter on the control of Salmonella [pullorum and S. gallinarum] infections in chicks. Amer. J. Vet. Res. 13:562-565. Oct.1952. 41.8 Am3A
L. C. Ferguson, J. M. Birkeland, and A. R. Winter, joint authors.

5899 BRANT, J. W. A., and NALBANDOV, A. V. Role of sex hormones in the secretory activity of the oviducts of hens. (Abs.) Poultry Sci. 31:908-909. Sept. 1952. 47.8 Am33P

5900 BUCKNER, G. D., and others. Comparative growth and ossification of sterni and ten appendicular bones of New Hampshire and Rhode Island Red chickens. (Abs.) Poultry Sci. 31:909. Sept.1952. 47.8 Am33P
W. M. Insko, Jr., E. F. Wachs, and H. H. Henry, joint authors.

5901 BURMESTER, B. R. Studies on fowl lymphomatosis. N. Y. Acad. Sci. Ann. 54:992-1003. Ref. July 10,1952. 500 N484

5902 CARR, J. G. A survey of the leucosis complex. Mod. Poultry Keeping 67:360-361. Oct.8,1952. 47.8 Eg3

5903 CHAMPION, L. R. The inheritance of resistance to Eimeria tenella in the domestic fowl. (Abs.) Poultry Sci. 31:911. Sept.1952. 47.8 Am33P

5904 CHRISTIE, D. G. Diseases of turkeys. Agr. Gaz. N. S. Wales 63:304-309. June 2,1952. 23 N472

5905 CHRISTIE, D. G. Pullorum disease, a major cause of mortality in chickens, ducklings and turkey poults. N. S. Wales. Dept. Agr. Div. Anim. Indus. Poultry Dis. L. 23,8 p. 1952. 41.9 N473

5906 CLARKE, D. H. The use of phosphorus 32 in studies on Plasmodium gallinaceum. I-II. J. Expt. Med. 96:439-463. Ref. Nov.1,1952. 448.8 J822

5907 COLE, R. K., and HUTT, F. B. Normal ovulation in non-laying hens. (Abs.) Poultry Sci. 31:911. Sept. 1952. 47.8 Am33P

5908 COOK, F. D., and others. The influence of procaine penicillin on microflora in various intestinal loci of the turkey poult. (Abs.) Poultry Sci. 31:912. Sept.1952. 47.8 Am33P
R. M. Blakeley, H. I. MacGregor, and R. W. Anderson, joint authors.

5909 COOPER, O. Now chicks can be immunized against coccidiosis. Amer. Poultry J. 83(10):18,24. Oct. 1952. 47.8 Am32

5910 CORONEL, A. B. Avian pest and its control. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.349-354. Manila,Graphic House,1952. 37 P533
Newcastle disease.

5911 CORRÊA, O. Newcastle disease. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(13): 51-54. June 1952. 49.9 R47

5912 CRAIG, F. R., and COX, B. F. First aid for poultry ills. Res. & Farming [N. C. Sta.] Prog. Rpt. 10: 10,13. Summer 1951. 100 N81R

5913 DARCEL, C. L., LANCASTER, J. E., and GORDON, R. F. Observations on the mortality in three flocks of poultry, with special reference to the incidence of leukosis. Brit. Vet. J. 108:338-346. Ref. Sept.1952. 41.8 V643

5914 DAS, J., RAO, S. B. V., and RAMNANI, D. R. Studies on Plasmodium gallinaceum. Indian Vet. J. 29:14-26. Ref. July 1952. 41.8 In2

5915 DENINGTON, E. M., and others. Relationship of so-called lymphoid areas to lymphomatosis. (Abs.) Poultry Sci. 31:913. Sept.1952. 47.8 Am33P
A. M. Lucas, B. R. Burmester, and G. E. Cottral, joint authors.

5916 DENTON, C. A., and others. Tryptophan-niacin relationship in the developing chick embryo. Arch. Biochem. & Biophys. 39:1-6. Ref. July 1952. 381 Ar2
W. L. Kellogg, W. E. Rowland, and H. R. Bird, joint authors.

5917 DIXIT, S. G. Some record on normal worm burden of fowls. Indian Vet. J. 29:65-68. July 1952. 41.8 In2

5918 DURAN-REYNALS, F. Studies on the combined effects of fowl pox virus and methylcholanthrene in chickens. N. Y. Acad. Sci. Ann. 54:977-991. Ref. July 10,1952. 500 N484

5919 ENGELMANN, C. Versuche über den gesichtskreis des huhns. Z. f. Tierpsychol. 9:91-102. Ref. June 1952. 410 Z35

5920 ERIKSEN, S. A quarter century of progress in biologics and pharmaceuticals. Hatchery & Feed 26(10): 41-42,44,46. Oct.1952. 47.8 H28
Poultry disease treatment.

5921 FRANCIS, D. W., and KISH, A. F. Observations on the inheritance of resistance to Newcastle disease in New Hampshire chickens. (Abs.) Poultry Sci. 31:916. Sept.1952. 47.8 Am33P

5922 FRITZSCHE, K. Histopathologische differentialdiagnose zwischen atypischer pest, infektiöser bronchitis and laryngotracheitis des huhnes. Deut. Tierärztl. Wchnschr. 59:289-291. Oct.1,1952. 41.8 D482

5923 FRITZSCHE, K. Die infektiöse bronchitis des huhnes. Berlin. u. Münch. Tierärztl. Wchnschr. 65:209-212. Ref. Oct.1952. 41.8 B45

5924 FURUYA, K., and others. Investigation on a diarrhea of fowl in Nagasaki Prefecture. (In Japanese.) Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24:63-75. 1952. 41.9 T572
A. Nomura, H. Fukata, and H. Ueno, joint authors.
English summary and tables.

5925 GARCIA, F. Peste aviar. Lérida Ganad. 3:58-60. Apr.1952. 41.8 L56

5926 GARREN, H. W., and SHAFFNER, C. S. The response of young New Hampshire chickens to conditions of stress. (Abs.) Poultry Sci. 31:917. Sept.1952. 47.8 Am33P

5927 GEISSLER, H. Die einwirkung der infrarotstrahlen auf eine infektion mit Salmonella gallinarum pullorum (pullorum-infektion). Deut. Tierarztl. Wchnschr. 59:274-276. Sept.15,1952. 41.8 D482

5928 GENTRY, R. F. Effect of Krebiozen on lymphoid tumor transplants in chickens. Poultry Sci. 31:875-878. Sept.1952. 47.8 Am33P

5929 GODFREY, G. F., and WILLIAMS, C. The relative influence of egg size, age at sexual maturity and mature body weight on growth to twelve weeks of age. (Abs.) Poultry Sci. 31:918. Sept.1952. 47.8 Am33P

5930 GOODMAN, M., and WOLFE, H. R. Precipitin production in chickens. VIII. J. Immunol. 69:423-434. Ref. Oct.1952. 448.8 J8232

5931 GRATON, A. Trois bonnes façons d'éviter le rhume chez les volatiles. B. des Agr. 34(9):21. Sept. 1952. 7 B872

5932 GROS, C. M., BENOIT, J., and WALTER, F. X. Loi de régression de la crête du coq domestique. Soc. de Biol. Compt. Rend. 146:756-761. May 1952. 442.9 P21

5933 GRUMBLES, L. C., BONEY, W. A., JR., and TURK, R. D. Chemotherapy of enterohepatitis of turkeys. III. Comparative value of 2-amino-5-nitrothiazol and 2-acetylaminonitrothiazol in prevention and treatment. Amer. J. Vet. Res. 13:572-574. Oct.1952. 41.8 Am3A

5934 GRUMBLES, L. C., BONEY, W. A., JR., and DELAPLANE, J. P. The spread of infectious sinusitis of turkeys to chickens by natural means. Poultry Sci. 31: 809-812. Sept.1952. 47.8 Am33P

5935 GUIDA, V. O., and NOBREGA, P. On the effect of streptomycin against avian spirochetosis. (In Portuguese.) Cong. Bras. de Vet. An. 5:699-700. 1950,pub. 1951. 41.9 C7695A
English summary.

5936 GULIASH, M. Untersuchungen über die ursache der lähmungserscheinungen von mit hühnerzecken (Argas persicus) befallenen hühnern. (In Russian.) Acta Vet. 2:41-67. 1952. 41.8 Ac83
German summary.

5937 GUSTAFSON, D. P., and MOSES, H. E. Some effects of oral exposure of English sparrows to Newcastle disease virus. Amer. J. Vet. Res. 13:566-571. Ref. Oct.1952. 41.8 Am3A

5938 HASHIZUME, T., and others. Calcium metabolism in the laying hen. I-II. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:129-144. Ref. July 1952. 49.9 C434
H. Nozaki, K. Hiroe, S. Horii, Y. Takei, H. Morimoto, and Y. Kaishio, joint authors.
English summary and tables.
I, Absorption, excretion and retention of radioactive Ca^{45}; II, On the fate and the retention of Ca in relation to the ovulation.

5939 HAYS, F. A. Effects of age at sexual maturity on body weight, egg weight and egg production. (Abs.) Poultry Sci. 31:919-920. Sept.1952. 47.8 Am33P

5940 HAYS, F. A., and SPEAR, E. W. Relation of age of parents to mortality and sex ratio of chicks at eight weeks. Poultry Sci. 31:792-795. Sept.1952. 47.8 Am33P

5941 HENDERSON, E. W. Percentage mortality of pullets in their first laying year compared with survivors the second year. Mich. Agr. Expt. Sta. Q. B. 35:120-124. Aug.1952. 100 M58S

5942 HEUSER, G. F., and SCOTT, M. L. Bowed legs in ducks, a nutritional disorder. (Abs.) Poultry Sci. 31:920. Sept.1952. 47.8 Am33P

5943 HILL, D. C., BRANION, H. D., and SLINGER, S. J. Influence of environment on the growth response of chicks to penicillin. (Abs.) Poultry Sci. 31:920. Sept. 1952. 47.8 Am33P

5944 HOLZ, K., and STITZ, B. Zur diagnostik der hühnerpest. Deut. Tierarztl. Wchnschr. 59:260-263. Ref. Sept.1,1952. 41.8 D482

5945 HOUT, A. VAN. La diphterie du pigeon fréquente et meurtrière. Cour. Hort. 14:440-441. Aug. 1952. 80 C834

5946 HSU, J. M., STERN, J. R., and MCGINNIS, J. The effect of vitamin B_{12} deficiency on erythrocyte counts and hemoglobin levels of chick embryo blood. Arch. Biochem. & Biophys. 38:261-266. July 1952. 381 Ar2

5947 HSU, J. M., STERN, J. R., and MCGINNIS, J. Effect of vitamin B_{12} on plasma protein fractions in chick blood. (Abs.) Poultry Sci. 31:921. Sept.1952. 47.8 Am33P

5948 HSU, P. T., and COMBS, G. F. Influence of vitamin B_{12} on blood levels of glucose and nitrogen-containing compounds in the chick. Arch. Biochem. & Biophys. 38:29-33. July 1952. 381 Ar2

5949 HUDSON, C. B., and others. Outbreaks of Erysipelothrix rhusiopathiae infection in fowl. Amer. Vet. Med. Assoc. J. 121:278-284. Oct.1952. 41.8 Am3
J. J. Black, J. A. Bivins, and D. C. Tudor, joint authors.
Turkeys.

5950 HUNT, J. R., and MCGINNIS, J. Studies on hock disorders in turkeys. (Abs.) Poultry Sci. 31:921. Sept.1952. 47.8 Am33P

5951 HUTT, F. B. Controlling leucosis. Mod. Poultry Keeping 67:416. Oct.22,1952. 47.8 Eg3

5952 ISHII, S., and KOBAYASHI, K. Study on the hematological change of Newcastle disease of chicken. (In Japanese.) Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24:15-22. 1952. 41.9 T572
English summary and diagrams.

5953 JEROME, F. N., and SLINGER, S. J. Breeding, management & feeding methods inducing bare-backs and poor feathering in broilers. Canad. Poultry Rev. 76(10):7-9,20,22-24. Oct.1952. 47.8 C16

5954 JUHÁSZ, B., and PETHES, G. Clearance tests in domestic fowls. Acta Vet. 2:69-78. Ref. 1952. 41.8 Ac83

5955 JUNGHERR, E., and LUGINBUHL, R. E. The pathology of chronic respiratory disease as a diagnostic aid. (Abs.) Poultry Sci. 31:922. Sept.1952. 47.8 Am33P

5956 JURADO, F. R., and others. Infección experimental de aves con Brucella abortus. Cong. Bras. de Vet. An. 5:629-648. Ref. 1950,pub.1951. 41.9 C7695A
C. A. Mazzini, V. C. F. Cedro, and E. J. Torre, joint authors.

5957 KARAPETÎAN, S. K. Experimental data on the effect of differentiated light conditions on the reproductive and other internal organs of domestic fowl. (In Russian.) Akad. Nauk SSSR. Dok. 86:445-448. Ref. Sept.11,1952. 511 P444A

5958 KAWASHIMA, H., and others. A diarrhea of hen. (In Japanese.) Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24:29-38. 1952. 41.9 T572
T. Sato, R. Mifune and T. Hanaki, joint authors.
English summary and tables.
Similar to avian monocytosis.

5959 KELLER, H. Gutachten über trephoneier. Berlin. u. Münch. Tierärztl. Wchnschr. 65:198-199. Sept.1952. 41.8 B45

5960 KRASNITSKAÎA, K. M. Coccidiosis in chicks. (In Russian.) Ptitsevodstvo 6:27-29. June 1952. 47.8 P95

5961 KURBATOV, A. D., and TIKHOMIROVA, M. M. Level of basic metabolism in animals and sex of offspring. (In Russian.) Agrobiologiîa 4:83-88. Ref. July/Aug.1952. 20 Ag822
Experiments with hens and rabbits.

5962 LANDAUER, W. Malformations of chicken embryos produced by boric acid and the probable role of riboflavin in their origin. J. Expt. Zool. 120:469-508. Ref. Aug.1952. 410 J825

5963 LEVADIE, B. T. H., MCGINNIS, J., and CARVER, J. S. The effect of diethylstilbestrol on mortality caused by visceral gout in chicks. Arch. Biochem. & Biophys. 40:68-70. Sept.1952. 381 Ar2

5964 LEVINE, P. P., and FABRICANT, J. Efficacy of Newcastle disease vaccines under controlled conditions. Cornell Vet. 42:449-457. Ref. Oct.1952. 41.8 C81

5965 LLOYD, B. Vaccines, antibiotics and sulphonamides in poultry diseases. San Joaquin Val. Poultryman 23(3):5,12-13. Aug.1952. 47.8 Sa53

5966 LOBO, B. A. The glands of the proventriculus in the hen (Gallus domesticus). (In Portuguese.) Cong. Bras. de Vet. An. 5:729-734. Ref. 1950,pub.1951. 41.9 C7695A

5967 LUGINBUHL, R. E., and JUNGHERR, E. Brooder chick vaccination for infectious bronchitis. (Abs.) Poultry Sci. 31:924. Sept.1952. 47.8 Am33P

5968 LYNCH, J. E., and STAFSETH, H. J. On the cause of incomplete coagulation of blood and gelling of serum of turkeys. Poultry Sci. 31:901-902. Sept.1952. 47.8 Am33P

5969 MCCONACHIE, J. D., HUNTSMAN, C. M., and JEROME, F. N. Relation between rate of growth and length of incubation period. (Abs.) Poultry Sci. 31:926. Sept.1952. 47.8 Am33P

5970 MCCRAW, B. M. Gizzard worm (Amidostomum) in geese. Canad. J. Compar. Med. 16:342. Sept. 1952. 41.8 C162

5971 MANENTE, B. A., and CURY, R. Serologic reactions in the diagnosis of avian spirochetosis. (In Portuguese.) Cong. Bras. de Vet. An. 5:683-698. 1950, pub.1951. 41.9 C7695A

5972 MARKHAM, F. S., and WONG, S. C. Observations on pleuropneumonia-like organisms in chronic respiratory disease of chickens and turkey sinusitis. (Abs.) Poultry Sci. 31:926. Sept.1952. 47.8 Am33P

5973 MARKHAM, F. S., and WONG, S. C. Pleuropneumonia-like organisms in the etiology of turkey sinusitis and chronic respiratory disease of chickens. Poultry Sci. 31:902-904. Sept.1952. 47.8 Am33P

5974 MARTIN VAQUERO, B. Ascaridiosis de las gallinas. Ascaridia galli, fenotiazina y tetracloruro de carbono. Veterinaria [Madrid] 16:807-814. Sept.1952. 41.8 V6429

5975 MATHEY, W. J., JR., ROSENWALD, A. S., and ZANDER, D. V., comps. Respiratory diseases of chickens and turkeys. Pacific Poultryman 56(10):16. Oct. 1952. 47.8 P112

5976 MELLEN, W. J., HILL, F. W., and DUKES, H. H. Effect of dietary energy level on the basal metabolism of growing chickens. (Abs.) Poultry Sci. 31:927. Sept.1952. 47.8 Am33P

5977 MOCHIZUKI, H., and others. Pathological studies on a diarrhea of fowl (avian monocytosis?) (In Japanese.) Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24: 39-48. 1952. 41.9 T572
Y. Sugawa, D. Shibata and K. Miyairi, joint authors.
English summary and tables.

5978 MOCHIZUKI, H., SUGAWA, Y., and MIYAIRI, K. Pathological studies on Newcastle disease occurred in Saitama Prefecture in 1951. (In Japanese.) Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24:23-28. Ref. 1952. 41.9 T572
English summary and table.

5979 MOORE, E. N. Aspergillosis in turkeys. (Abs.) Poultry Sci. 31:928. Sept.1952. 47.8 Am33P

5980 NABER, E. C., SNELL, E. E., and CRAVENS, W. W. The effect of folic acid on glycine toxicity in the chick. Arch. Biochem. & Biophys. 37:158-163. Ref. 1952. 381 Ar2

5981 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Infectious sinusitis, a common disease in turkeys in New South Wales. N. S. Wales. Dept. Agr. Div. Anim. Indus. Poultry Dis. L. 25,2 p. 1952. 41.9 N473

5982 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Tuberculosis of poultry. N. S. Wales. Dept. Agr. Div. Anim. Indus. Poultry Dis. L. 9,4 p. 1952. 41.9 N473

5983 NICKEL, E. A. Ein beitrag zur wirksamkeit und verträglichkeit des tetrachlorkohlenstoffes bei magenwurmbefall der gänse. Tierärztl. Umschau 7:382-384. Ref. Oct.1952. 41.8 T445

5984 OGORODNIKOV, Z. E. Aspergillosis in goslings. (In Russian.) Veterinariîa 29(7):41-45. July 1952. 41.8 V6426

5985 ORR, B. B., and MOORE, E. N. Longevity of Salmonella gallinarum. (Abs.) Poultry Sci. 31:930. Sept.1952. 47.8 Am33P

5986 PANKRAT'EV, G. V. On determining the age and sex in baby turkeys. (In Russian.) Ptitsevodstvo 6: 19-22. June 1952. 47.8 P95

5987 PATAY, R., and DU CHALARD, A. A propos de l'épiphysectomie chez Gallus domesticus L. Acad. des Sci. Compt. Rend. 235:498-500. Aug.1952. 505 P21

5988 PETERSON, E. H. Terramycin reduces early poult mortality. Poultry Sci. 31:898-899. Sept.1952. 47.8 Am33P

5989 PETERSON, J. E., and WRIGHT, A. R. Incubator hygiene; an important factor in the control of hatchery diseases of chickens. West. Austral. Dept. Agr. J. (ser.3)1:353-355,357-361. May/June 1952. 23 W52J

5990 PLUMART, P. E., and MUELLER, C. D. A comparison of the effects of sex-linked early and late feathering on growth and feathering of chicks to twelve weeks of age. (Abs.) Poultry Sci. 31:931-932. Sept.1952. 47.8 Am33P

5991 POMEROY, B. S. Many diseases cause air sac infection in poults. Norbest Turkey News 17(3):3,5. Sept. 1952. 47.38 N75

5992 RAIMO, H. F. Aspects of veterinary activity in the development of the poultry industry. (In Portuguese.) Cong. Bras. de Vet. An. 5:183-195. 1950,pub.1951. 41.9 C7695A

5993 RAM, T., and HUTT, F. B. The physiological basis for genetic resistance to Salmonella pullorum in the fowl. (Abs.) Genetics 37:615-616. Sept.1952. 442.8 G28

5994 REAGAN, R. L., SCHENCK, D. M., and BRUECKNER, A. L. Electron micrographs of Newcastle disease virus propagated in the cotton rat (Sigmodon hispidus). Amer. J. Vet. Res. 13:575-576. Oct.1952. 41.8 Am3A

5995 SAEKI, Y. Effect of methyl-thiouracil on the anterior pituitary and gonad of fowls. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:7-15. Ref. Mar.1952. 49.9 C434
English summary and tables.

5996 SAN GABRIEL, G. L. When and how to immunize poultry. Agr. & Indus. Life 14(8):18-19,47. Aug. 1952. 25 Ag8

5997 SCHECHTMAN, A. M., and HOFFMAN, H. Serological studies on the origin of globulins in the serum of the chick embryo. J. Expt. Zool. 120:375-390. Ref. July 1952. 410 J825

5998 SCOTT, M. L. The effect of niacin upon the enlarged hock disorder of turkeys. (Abs.) Poultry Sci. 31:934. Sept.1952. 47.8 Am33P

5999 SEEGER, K. C., and WALLER, E. F. Causes of mortality in broilers. (Abs.) Poultry Sci. 31:934-935. Sept.1952. 47.8 Am33P

6000 SHAKLEE, W. E., and SHAFFNER, C. S. Selection for high and low thyroidal response to thiouracil feeding in chickens. (Abs.) Poultry Sci. 31:935. Sept. 1952. 47.8 Am33P

6001 SHAKLEE, W. E. Size spread between sexes can be reduced. Turkey World 27(10):14-15. Oct.1952. 47.38 T48

6002 SHISHKINA, E. M. To increase the prevention of diseases in poultry. (In Russian.) Ptitsevodstvo 3:29-30. Mar.1952. 47.8 P95

6003 SIERRA, H. M. Vitaminas que necesitan las aves. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3) 1(5/7):21. July/Dec.1950,pub.July 10,1952. 8 G934

6004 SKATIN, IA. D. Vitamin A deficiency disease in chicks. (In Russian.) Veterinariia 29(8):41-42. Aug. 1952. 41.8 V6426

6005 SKOGLUND, W. C., SEEGAR, K. C., and RINGROSE, A. T. Growth of broiler chicks hatched from various sized eggs when reared in competition with each other. Poultry Sci. 31:796-799. Sept.1952. 47.8 Am33P

6006 SOUZA, O. P. C. DE. Avian pasteurellosis. (In Portuguese.) Lav. e Criação 13(6):67-68. June 1952. 49 L392

6007 STUBBS, E. L. Chronic respiratory disease. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 128:148-153. Oct.27, 1952. 41.9 P386
Air sac infection of poultry.

6008 STURKIE, P. D. The place of physiology in the teaching and research programs of poultry departments. (Abs.) Poultry Sci. 31:937-938. Sept.1952. 47.8 Am33P

6009 SYLSTRA, A. W. Keep layers healthy this winter. Poultry Tribune 58(11):9,28-29. Nov.1952. 47.8 P8642
Disease control.

6010 THOMPSON, J. J. The basis of disease prevention on the poultry farm. New Zeal. J. Agr. 85:169, 171-172. Aug.15,1952. 23 N48J

6011 THOMPSON, J. J. The basis of disease prevention on the poultry farm. New Zeal. J. Agr. 85:203, 205,207. Sept.15,1952. 23 N48J

6012 TRIFONOVA, A. N., and TIKHOMIROV, B. M. Physiological analysis of varied condition of tissues of chicks with a normal and low resistance. (In Russian.) Akad. Nauk SSSR. Dok. 85:1185-1188. Ref. Aug.11,1952. 511 P444A

6013 ULSEN, F. W. VAN. Salmonella bareilly in chickens. (In Dutch.) Tijdschr. v. Diergeneesk. 77:636-639. Sept.1,1952. 41.8 T431
English summary.

6014 U. S. NAVAL MEDICAL RESEARCH INSTITUTE. Studies on the in vitro multiplication of Newcastle disease virus in chicken blood, by E. Traub and W. I. Capps. I-II. Bethesda,Md.,1951. 2 v. Ref. (Its Project NM 005 048.11) 153.56 St9

6015 VERVENNE, B. VAN A. Inoculation of young hens against diphtheria and pox. (In Dutch.) Tijdschr. v. Diergeneesk. 77:641-642. Sept.1,1952. 41.8 T431

6016 WALKER, R. V. L. Studies in Newcastle disease. IV. Rapid methods of diagnosis. Canad. J. Compar. Med. 16:333-337. Sept.1952. 41.8 C162

6017 WALLER, E. F., and GARDINER, M. R. Newcastle disease; response to formalized vaccine. (Abs.) Poultry Sci. 31:938. Sept.1952. 47.8 Am33P

6018 WATANABE, M., and others. An avian diarrhea (strictly similar to avian monocytosis). I-II. (In Japanese.) Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24: 49-53,55-62. 1952. 41.9 T572
T. Yamano, R. Mifune and T. Oochi, joint authors.
English summary and tables.

6019 WATANABE, M., and others. An occurrence of Newcastle disease (pneumoencephalitis type) in Okayama Prefecture in Japan in 1951. (In Japanese.) Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24:7-13. 1952. 41.9 T572
T. Yamano, R. Mifune and S. Inui, joint authors.
English summary and tables.

6020 WATANABE, S., MINAMIMOTO, S., and MURASE, N. Studies on salmonellosis in fowls. 1. The isolation of S. senftenberg from dead and under-developed chick-embryos. Tokyo. Govt. Expt. Sta. Anim. Hyg. [Rpt.] 24:2-5. 1952. 41.9 T572

6021 WEBB, S. J. D. Fowl paralysis or the leucosis complex. S. A. P. A. Poultry B. 16(178):15. July 1952. 47.8 So89

6022 WILSON, M. E. The embryological and cytological basis of regional patterns in the definitive epithelial hypophysis of the chick. Amer. J. Anat. 91:1-49. Ref. July 1952. 447.8 Am32

6023 WILSON, W. O., and HILLERMAN, J. P. Methods of cooling laying hens with water. Poultry Sci. 31: 847-850. Sept.1952. 47.8 Am33P

6024 WILSON, W. O., HILLERMAN, J. P., and EDWARDS, W. H. The relation of high environmental temperature to feather and skin temperatures of laying pullets. Poultry Sci. 31:843-846. Sept.1952. 47.8 Am33P

6025 WITTER, J. F., and CHUTE, H. L. Aspergillosis in turkeys. Amer. Vet. Med. Assoc. J. 121:387-388. Nov.1952. 41.8 Am3

6026 ZAGAEVSKIĬ, I. S. In regard to veterinary-sanitary examination of duck eggs [for Salmonella typhimurium]. (In Russian.) Veterinariia 29(10):34-38. Oct. 1952. 41.8 V6426

Miscellaneous

6027 ALLCROFT, W. M. Incubation and hatchery practice. Gt. Brit. Min. Agr. & Fisheries. B. 148,62 p. Ref. 1952. 10 G794B

6028 BAELUM, J. Fjerkraeavl i U.S.A. Rapport fra en studierejse i U.S.A. 1950 [Poultry keeping in U.S.A. 1950]. København, Udenringsministerium,1951. 39 p. (Teknisk Bistand under Marshallplanen) 47 B142

6029 BALUEVA, Z. I. The poultry raising farms of the collective farms in Latvian SSR. (In Russian.) Ptitsevodstvo 2:6-7. Feb.1952. 47.8 P95

6030 BAUMAN, V. K. Raising chicks under conditions of low temperature. (In Russian.) Ptitsevodstvo 3: 20-22. Mar.1952. 47.8 P95

6031 BENNION, N. L. Producing turkey hatching eggs. Pacific Poultryman 56(11):22. Nov.1952. 47.8 P112

6032 BIRD, H. R. Chicken à la laboratory. Sci. Mon. 75:240-249. Oct.1952. 470 Sci23
Animal Husbandry Division of the Bureau of Animal Industry, U. S. Dept. of Agriculture, Beltsville, Md.

6033 BLOUNT, W. P. Hen batteries v. deep litter. (Extr.) Poultry Indus. [Milford] 17:419. Oct.16,1952. 47.8 P8644

6034 BOROVSKIKH, E. P. Successful raising of chicks. (In Russian.) Ptitsevodstvo 3:13-14. Mar.1952. 47.8 P95

6035 BRANN, V. H. Range rearing of chickens. Agr. Gaz. N. S. Wales 63:438-444. Aug.1952. 23 N472

6036 BULAKH, F. V. Nezhin Incubatory-Poultry Breeding Station. (In Russian.) Ptitsevodstvo 4:16-17. Apr.1952. 47.8 P95

6037 BUSTAMANTE CARDENAS, S. La cría productiva y económica del pato. 3. Tierra [Mexico] 7:629-631. Sept.1952. 8 T445

6038 BUTTNER, E. E. So you want to keep pigeons! Hatching. So. African Poultry, Pigeon & Bird Mag. 81(488):26,29. Sept.1952. 47.8 So83

6039 BYERLY, T. C., and BIRD, H. R. What research will bring. Hatchery & Feed 26(10):61-64. Oct. 1952. 47.8 H28

6040 CABAL, L. Cincuenta años de ganaderia. Rev. de Agr. [Habana] 35:88-91. Nov.1951/June 1952. 8 Ag88Re
Research by the Cuban Ministry of Agriculture.

6041 CARD, L. E. Poultry production. Ed. 8, thoroughly rev. Philadelphia,Lea & Febiger,1952. 416 p. Ref. 47 L66

6042 CARLSON, A. W. Middlesex [County, Massachusetts] Fryer Trials test present breeding. Turkey World 27(11):16,65-66. Nov.1952. 47.38 T84

6043 DAWSON, L. E., and WATTS, J. P. Effect of nest litter on cleanliness of eggs. (Abs.) Poultry Sci. 31: 913. Sept.1952. 47.8 Am33P

6044 DEARSTYNE, R. S. There's profit in poultry. Carolina Co-op. 30(9):12-13. Sept.1952. 72.8 N81
North Carolina.

6045 DRIGGERS, J. C. 'Beat the heat' is production formula. Fla. Poultry & Farm J. 18(9):12-13. Sept.1952. 47.8 F66
Poultry care.

6046 ĖLINBAUM, IŬ. I. In regard to hen molting. (In Russian.) Ptitsevodstvo 5:28-29. May 1952. 47.8 P95

6047 ELKINGTON, W. M. Trials are the only yardstick; there may be an element of chance in laying tests but they should not be condemned because of this. Mod. Poultry Keeping 67:311. Sept.24,1952. 47.8 Eg3

6048 ELLIS, G. Crowding doesn't pay. Broiler Growing 3(10):40,42. Oct.1952. 47.8 B782

6049 ĖMCHIGESHEV, G. ÍA. Periodic sleep in raising chicks. (In Russian.) Ptitsevodstvo 5:12-13. May 1952. 47.8 P95
Effect of high and low temperatures.

6050 ESPORA. The hen of the future—more meat and eggs. (In Portuguese.) Chacaras e Quintais 86:357-359. Sept.15,1952. 9.2 C34

6051 FRANCE. MINISTÈRE DE L'AGRICULTURE. DIRECTION DE LA PRODUCTION AGRICOLE. SERV. VETERINAIRES. L'aviculture, source méconnue de grande richesse. Paris,1952? 2 v. 47.9 F843

6052 GAFFNEY, L. J. Timely hints on chick brooding. West. Austral. Dept. Agr. J. (ser.3)1:335-336. May/June 1952. 23 W52J

6053 GAGIEV, G. I. Leading practice in chick raising on collective farms of Komi ASSR. (In Russian.) Ptitsevodstvo 4:25-28. Apr.1952. 47.8 P95

6054 GOODELL, R. Proper start necessary for profitable broilers. Broiler Growing 3(10):19,32. Oct. 1952. 47.8 B782

6055 GOROKHOVA, E. A. On the poultry farm of Novaia Zhizn' Collective Farm [in Kamenskii District, Sverdlov Region]. (In Russian.) Ptitsevodstvo 5:11-12. May 1952. 47.8 P95

6056 GOWE, R. S. Recent information on the relative effect of environment and heredity on egg production. (Abs.) Poultry Sci. 31:918-919. Sept.1952. 47.8 Am33P

6057 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Rearing turkeys. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 397,8 p. Aug.1952. 10 G79La

6058 HALBROOK, E. R. Selecting, handling and killing. Turkey World 27(11):14,73-77. Nov.1952. 47.38 T84

6059 HATANO, T. Kaitei kakin shiyogaku [How to raise domestic fowls]. Ed. 3. Tokyo,Asakura Shoten, 1951. 490 p. (Nogei Kagaku Zensho 15) 47 H28

6060 HEISHMAN, J. C. CUNNINGHAN, C. J. and CLARK, T. B. Floor space requirement of broilers. (Abs.) Poultry Sci. 31:920. Sept.1952. 47.8 Am33P

6061 HENNAUX, L., and HENIUS, J. M. La castration hormonale des coquelets. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:257-261. Ref. 1951. 105.1 G285

6062 HOGSETT, H. What commercial poultrymen owe to official performance tests. (Condensed.) Nulaid News 30(6):12-14. Nov.1952. 47.8 N917

6063 HORI, S. Shin yokei nyumon [A guide to new poultry farming]. Tokyo,Nara Shobo,1951. 151 p. 47 H783

6064 HURRY, H. F., and NORDSKOG, A. W. Statistical errors in grading chicks for feather growth. Poultry Sci. 31:819-821. Sept.1952. 47.8 Am33P

6065 IATSYNIN, N. N. Egg laying contests of hens. (In Russian.) Ptitsevodstvo 2:21. Feb.1952. 47.8 P95

6066 IMAMURA, F., and others. Shiki no yokei [Chicken raising in the four seasons]. Tokyo,Asakura Shoten,1951. 157 p. 47 Im1
T. Kiyota, K. Matsukawa, R. Iwatani, S. Yamada, K. Murakami, and T. Hatano, joint authors.

6067 IVANOV, A. I. Examination of poultry eggs [in incubators]. (In Russian.) Ptitsevodstvo 5:18. May 1952. 47.8 P95

6068 KAUFFMAN, H. H. German flocks. Pa. Farmer 147:213,246-247. Sept.27,1952. 6 P383

6069 KING, D. F. Eggs from every cage. Prog. Farmer, Ga.-Ala.-Fla. Ed. 67(10):17,164-165. Oct.1952. 6 P945G
The single-deck cage laying system.

6070 KIRSANOV, Z. A. How we raised chicks 100 percent. (In Russian.) Ptitsevodstvo 3:8-10. Mar.1952. 47.8 P95

6071 KLEPIKOVA, A. T. Kungur IPS [Incubatory-Poultry Breeding Station]. (In Russian.) Ptitsevodstvo 6: 12-13. June 1952. 47.8 P95

6072 KOLOBOV, G. Field maintenance of poultry. (In Russian.) Kolkhoz. Proizvodstvo 12(6):38. June 1952. 281.8 K83

6073 KULISHEVA, P. I. Raising chicks in an adjusted [old] building. (In Russian.) Ptitsevodstvo 4:17-19. Apr.1952. 47.8 P95

6074 LANGE, D. D. The improvement of pigeon judging. Amer. Pigeon J. 41:295,312. Oct.1952. 47.8 Am35

6075 LATORRE, L. Explotación de aves en baterías II-IV. B. de Zootec. 8:167-178,199-210,267-274. June 1-July 1,Sept.1,1952. 41.9 So16
II, Jaulas para gallinas; III, La alimentación de las aves alojadas en baterías; IV, Manejo de las aves en baterías.

6076 LEE, C. E. Change is not always progress! The continued use of old litter, elimination of roosts, building of extremely large pens, and feeding in floor boxes can bring trouble. Everybodys Poultry Mag. 57(10) 10,24-29. Nov.1952. 47.8 F213P

6077 LEE, C. E. Profitable broiler battery and laying cage management. Ed. 6. Cayuga, N. Y., Beacon Milling,1951. 111 p. 47 L51Pr

6078 LESLIE, V. Vicios de las aves ponedoras. Tierra [Mexico] 7:578-579. Sept.1952. 8 T445

6079 LEVCHENKO, V. I. My method of raising chicks. (In Russian.) Ptitsevodstvo 3:12-13. Mar.1952. 47.8 P95

6080 LYON, A. V. Fowls as sideline; poultry in citrus orchards as means of meeting need for increased production. Citrus News 28:83,91. June 1952. 80 C494
Weed control and manuring value.

6081 MCARDLE, A. A. Economics and husbandry of turkeys in South Australia. So. Austral. Dept. Agr. J. 55:539-547. June/July 1952. 23 So84

6082 MCMULLEN, H. Experimental farm built at broilermen's request. Broiler Growing 3(10):20,22. Oct.1952. 47.8 B782
University of Maryland's broiler experimental farm.

6083 MANTEL, K. Geflügelsorgen rechtzeitig kleingeschrieben! Reich der Landfrau 34:273-274. Aug.23,1952. 18 L2347

6084 MARAIS, C. L. Important factors in the hatching of eggs. Farming So. Africa 27:394-398. Aug.1952. 24 So842

6085 MARSHALL, W. Egg incubation. London, Poultry World,1952? 72 p. 47 M35

6086 MATHEWS, H. L. Time to do two important jobs if you'd have healthy chickens. N. Mex. Stockman 17(9):87. Sept.1952. 49 N462
Parasite control and culling.

6087 MATLIN, S. Z. A profitable method of raising ducks. (In Russian.) Sotsialist. Zhivotnovod. 14(3):79-83. Mar.1952. 49 So71

6088 MIRONOV, A. N. Raising chicks on collective farms in Pil'nenskii District [Gorki Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(3):84-85. Mar.1952. 49 So71

6089 MITREV, A. Pticevodstvo [Poultry breeding]. Skopje,"Zadružen Život,"1951. 79 p. 47 M694

6090 MONTGOMERY, K. C., and HEINEMANN, E. G. Concerning the ability of homing pigeons to discriminate patterns of polarized light. Science 116:454-456. Oct. 24,1952. 470 Sci2

6091 MOORE, A. C. Try to cut down those 1s. a dozen deductions. Poultry 111:181. Sept.16,1952. 47.8 P869
Poultry farm management.

6092 MOORE, J. S. Florida growing more turkeys. Fla. Grower 60(11):8. Nov.1952. 80 F6622

6093 MORENG, R. E., and BRYANT, R. L. The hatching power of chicken embryos as effected by low temperature exposure. (Abs.) Poultry Sci. 31:928. Sept. 1952. 47.8 Am33P

6094 MORRIS, D. Poultry keeping for profit. London, Country Life, 1952. 119 p. 47 M83

6095 MORRIS, R. H. Hints on chicken rearing. West. Austral. Dept. Agr. J. (ser.3)1:465,467-469. July/Aug.1952. 23 W52J

6096 MÜLLER, H. Der kleine gänse- und entenhalter. Radebeul, Neumann, 1951. 84 p. 47.1 M91

6097 NIKOLAEV, A. Raising and fattening of young poultry under cage conditions. (In Russian.) Mîasnaîa Indus. SSSR. 23(3):60-64. May/June 1952. 50.8 M58

6098 NOZAKI, N. Jikyu fukugyo niwatori to usagi no kaikata [Raising of fowls and rabbits as self-supporting side-line]. Tokyo, Chikuyo Shobo, 1952. 99 p. 47 N87

6099 OGLE, R. C. An active program—service clubs and 4-H in New York. (Abs.) Poultry Sci. 31:929-930. Sept.1952. 47.8 Am33P

6100 OPRÎATKIN, V. F. The Mikhailov Incubatory-Poultry Breeding Station [in Stalingrad Region]. (In Russian.) Ptitsevodstvo 4:12-13. Apr.1952. 47.8 P95

6101 ORLOV, M. V. Biological control in the incubation section. (In Russian.) Ptitsevodstvo 4:21-24. Apr.1952. 47.8 P95
Observations on embryo development.

6102 ORLOVA, M. I. Raising chicks on Organizator Collective Farm in Archangel Region. (In Russian.) Ptitsevodstvo 2:12. Feb.1952. 47.8 P95

6103 OSMAN, A. H. Pigeons and how to keep them. Rev. by W. H. Osman. London, Cassell, 1951. 124 p. (Pet and Livestock Series) 47.2 Os5

6104 PAIEMENT, R. J. Augmentez votre production d'oeufs. Ferme 13(12):36-37. Aug.1952. 7 F38
Poultry care.

6105 PANKRAT'EV, G. V. A day schedule for turkeys. (In Russian.) Ptitsevodstvo 2:10-11. Feb.1952. 47.8 P95

6106 PANSKIKH, K. G. Our practices. (In Russian.) Ptitsevodstvo 6:2-7. June 1952. 47.8 P95
Poultry raising on Arzhenka Poultry State Farm.

6107 PERMANNE, R. L. Rapport d'un voyage d'étude à Elisabethville. B. de Doc. et de Tech. Agr. 5 (18):3-22. Fourth Q.1951. 24 B873
Poultry raising.

6108 PETROV, S. G., MAKOGON, L. A., and KOCHUNOVSKAÎA, T. K. Increasing the winter egg production of hens [by electric lighting]. (In Russian.) Ptitsevodstvo 3:18-19. Mar.1952. 47.8 P95

6109 PLATT, C. S. Maintaining winter egg production by the use of dim red light. (Abs.) Poultry Sci. 31: 931. Sept.1952. 47.8 Am33P

6110 POOLE, H. L. You can mismanage broilers—but it doesn't pay off in profits. Amer. Poultry J. 83(10): 14,20. Oct.1952. 47.8 Am32

6111 POTAPOVA, E. V. Practices of a poultry farm in raising chicks. (In Russian.) Ptitsevodstvo 4: 14-16. Apr.1952. 47.8 P95

6112 PRITSKER, I. IA. Achievements of leaders of collective farm poultry farms of RSFSR [Russian Soviet Federated Socialist Republic]. (In Russian.) Ptitsevodstvo 3:4-8. Mar.1952. 47.8 P95

6113 PRITSKER, I. IA. For an integrated biological inspection of incubation. (In Russian.) Ptitsevodstvo 5:19-22. May 1952. 47.8 P95

6114 REITSMA, E. Poultry and turkey improvement plans. Oreg. Dept. Agr. Agr. B. 175:8-10. Sept.1952. 2 Or3

6115 ROF CODINA, J. Las gallinas de puesta de España. Balearic Isl. Diputación Prov. B. de Agr. 93: 3. June 1952. 15 B19

6116 RUUS, T. Effect of egg cooling during the incubation period of hatching and subsequent development of chicks. (In Russian.) Ptitsevodstvo 5:23-25. May 1952. 47.8 P95

6117 SANBORN, L. How hard should you cull? Pacific Poultryman 56(11):8-9,39-40,42. Nov.1952. 47.8 P112

6118 SAVEL'EV, I. K. Field maintenance of hens and chicks. (In Russian.) Ptitsevodstvo 5:6-8. May 1952. 47.8 P95

6119 SEIDEN, R. Poultry handbook, an encyclopedia for good management of all poultry breeds. Ed. 2. Toronto, Van Nostrand, 1952. 444 p. Ref. 47 Se4

6120 SELEZNEVA, L. V. One hundred percent conservation of chicks. (In Russian.) Ptitsevodstvo 3:10-12. Mar.1952. 47.8 P95

6121 SERIKOV, S. I. Method of raising baby turkeys. (In Russian.) Ptitsevodstvo 6:17-19. June 1952. 47.8 P95

6122 SILK, W. H. Domestic poultry keeping. Poultry World 91(15,sup.):i-vi. Oct.9,1952. 47.8 P8682

6123 SIL'VANCHUK, F. F. Experiment in incubation of geese eggs. (In Russian.) Ptitsevodstvo 4:13-14. Apr.1952. 47.8 P95

6124 SOLODKIĬ, M. To organize regional and district egg laying contests of hens. (In Russian.) Ptitsevodstvo 3:25. Mar.1952. 47.8 P95

6125 STADELMAN, W. J., and SAUTER, E. A. Detection of hens producing blood and meat spots in their eggs. (Abs.) Poultry Sci. 31:936. Sept.1952. 47.8 Am33P

6126 STEWART, M. W. Profitable poultry keeping. Ed. 3, rev. Christchurch, N.Z., Whitcombe and Tombs, 1951? 203 p. 47 St43

6127 SYSTAR, I. P. Practices of the leading collective farm poultry raisers of Estonian SSR. (In Russian.) Ptitsevodstvo 6:14-17. June 1952. 47.8 P95

6128 TEMPERLI, E. R., REED, A. D., and MOREHEAD, G. W. Sacramento poultry management study. Nulaid News 30(6):27-28. Nov.1952. 47.8 N917

6129 THACKER, G. H. Get more fall eggs—use the 'switch' on your old hens. Elect. Farmer 6(10):5. Oct. 1952. 335.8 N27
Use of lighting to increase egg production.

6130 THOMPSON, A., ed. The complete poultryman. Largely written by L. Turnill and R. Feltwell. London, Faber & Faber, 1952. 511 p. 47 T372C

6131 TRET'IAKOV, N. P. Results of utilizing low temperatures and periodic rest in raising the young of agricultural birds. (In Russian.) Ptitsevodstvo 4:7-12. Apr.1952. 47.8 P95

6132 TURKEY WORLD. National Turkey Improvement Plan directory; a summary of records for the past year. Turkey World 27(10):65-88. Oct.1952. 47.38 T48
Includes outline of the Plan by P. Zumbro, and record of progress by S. A. Moore.

6133 TURNILL, L. C. The first egg as guide to production; how far age at maturity is a pointer to laying ability. Mod. Poultry Keeping 67:312-313. Sept.24,1952. 47.8 Eg3

6134 U. S. BUR. OF ANIMAL INDUSTRY. Changes in the National Poultry Improvement Plan recommended by official delegates at the 1952 National Plans Conference and approved by the Bureau of Animal Industry. Washington, 1952. 10 p. 1.972 A2R293

6135 U. S. BUR. OF ANIMAL INDUSTRY. Chickens in NPIP hatchery supply flocks and their distribution by States and varieties, 1941-42, 1950-51 and 1951-52. U. S. Bur. Anim. Indus. A. H. D. 69, rev., 4 p. Sept.1952. 1.9 An52Ah

6136 VRIES, DE. Modernization of our slaughterhouses and export possibilities. (In Dutch.) Pluimveeteelt 5(15):10. July 18,1952. 47.8 P722
Poultry.

6137 VSESOIUZNYÎ NAUCHNO-ISSLEDOVATEL'SKIĬ INSTITUT PTITSEPERERABATYVAIUSHCHEI PROMYSHLENNOSTI. UCHENYÎ SOVET. Ways of improving the work of poultry factories. (In Russian.) Mîasnaîa Indus. SSSR. 22(6):66-72. Nov./Dec.1951. 50.8 M58
Care chiefly.

6138 WARREN, R. Seven ways to prevent wet litter. Poultry Tribune 58(11):11,26,28. Nov.1952. 47.8 P8642

6139 WEAVER, L. E. Fall brooding—does it pay? Poultry Tribune 58(10):7,29-30. Oct.1952. 47.8 P8642

6140 WILSON, K. Flock culling. Poultry World 91(13,sup.):i-vi,viii. Sept.25,1952. 47.8 P8682

6141 WILSON, W. O. Layers need shade and water; they'll do better in hot weather if they are more comfortable. Pacific Poultryman 56(4):10. Apr.1952. 47.8 P112

6142 WOOD, L. B. Just a bird in a cage (not guilded) earning $4 a year. Fla. Grower 60(10):17,32. Oct.1952. 80 F6622

6143 WOOD, L. B. Turkeys begin holiday reign on Florida farms. Fla. Grower 60(11):22,43. Nov.1952. 80 F6622

6144 ZAÎTSEVSKIĬ, I. G. Raising the young of domestic fowl. (In Russian.) Ptitsevodstvo 2:13-18. Feb. 1952. 47.8 P95

6145 ZHELUDKOV, N. A. Leading incubatory-poultry breeding stations of Latvian SSR. (In Russian.) Ptitsevodstvo 6:8-10. June 1952. 47.8 P95

6146 ZHELUDKOV, N. A. On fundamental conditions of incubation. (In Russian.) Ptitsevodstvo 3:22-24. Mar. 1952. 47.8 P95

6147 ZHEREBILOV, A. I. My method of raising goslings. (In Russian.) Ptitsevodstvo 5:9-10. May 1952. 47.8 P95

RABBITS

Breeds and Breeding

6148 BAREHAM, R. Silver Foxes. Brit. Rabbits 1952:83-84. 40.29 B77

6149 BEARD, J. W. Chinrex. Brit. Rabbits 1952: 98-99. 40.29 B77

6150 BOYER, C. M. Angora genetics. Amer. Rabbit J. 22:152-153. Oct.1952. 40.28 Am3

6151 BRITISH RABBIT COUNCIL. Brit. rabbits, 1952; yearbook. Farnborough,1952. 162 p. 40.29 B77
Includes standards and descriptions of the breeds.

6152 COLLETT, B. The Beveren. Brit. Rabbits 1952:75. 40.29 B77

6153 DE TRAFFORD, E. All for the love of a Lilac. Brit. Rabbits 1952:87-88. 40.29 B77

6154 DOWLE, H. D. H. Lilac leeway. Brit. Rabbits 1952:86-87. 40.29 B77

6155 DOWLE, H. D. H. Standards: "what is their objective?" Brit. Rabbits 1952:65-66. 40.29 B77

6156 FATEEV, K. IA. In regard to the accomplishments of the State rabbit breeding stations during the postwar Five-Year Plan. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):45-48. Nov./Dec.1951. 49 K14

6157 FAULKNER, T. G. The Belgian Hare. Brit. Rabbits 1952:76-77. 40.29 B77

6158 HATZFELD, G. H. The rabbit and its reproduction. (In Portuguese.) Chacaras e Quintais 86:354-356. Sept.15,1952. 9.2 C34

6159 HINCHCLIFFE, H. Colour in Havanas. Brit. Rabbits 1952:85-86. 40.29 B77

6160 HITT, C. H. Reproduction failures in domestic rabbits. Amer. Rabbit J. 22:132-133. Sept.1952. 40.28 Am3

6161 HODGSON, E. Practical advice to breeders of English rabbits. Brit. Rabbits 1952:81-82. 40.29 B77

6162 JUNGWIRTH, F. J. Bieten Angorakaninchen eine existenzgrundlage? Deut. Kleintier-Züchter. Ausg. Kaninchen 7(15):7-8. Aug.5,1952. 40.28 D48

6163 KING-WILSON, W. Male rabbits. Small Stock Mag. 36(10):8,37. Oct.1952. 48.8 P442

6164 KROBOTH, C. Culling New Zealands. Small Stock Mag. 36(11):18. Nov.1952. 48.8 P442

6165 LEAVER, T. The Chinchilla. Brit. Rabbits 1952:77-79. 40.29 B77

6166 LIPPINCOTT, T. The doe and litter. Small Stock Mag. 36(11):7. Nov.1952. 48.8 P442

6167 MALLEY, J. H. 1951 and the Siberian. Brit. Rabbits 1952:105-106. 40.29 B77

6168 MURRAY, E. W. Purebred rabbits. Small Stock Mag. 36(11):5. Nov.1952. 48.8 P442

6169 PIKE, and LYSTER. Planning for Rex fanciers. Brit. Rabbits 1952:94-96. 40.29 B77

6170 POTTER, J. The Argenté. Brit. Rabbits 1952: 74. 40.29 B77

6171 POTTER, J. Sables—an article for the novice. Brit. Rabbits 1952:101-103. 40.29 B77

6172 POUNCY, A. J. The New Zealand Red in 1951. Brit. Rabbits 1952:89-90. 40.29 B77

6173 ROBINSON, R. Satin rabbits. Brit. Rabbits 1952:103-104. 40.29 B77

6174 RUSSELL, J. A. Use science in breeding rabbits. Amer. Rabbit J. 22:149. Oct.1952. 40.28 Am3

6175 SOLE, A. W. Dutch rabbits for the novice. Fur & Feather 115:590,593. Sept.11,1952. 49 F96

6176 TREWEEKE, R. L. Importance of breeding does. Amer. Rabbit J. 22:150-151. Oct.1952. 40.28 Am3

6177 VERSTEEG, H. Le lapin "noir et feu." Cour. Hort. 14:442. Aug.1952. 80 C834

6178 WEBB, W. L. Silvers. Brit. Rabbits 1952:104-105. 40.29 B77

6179 WOOD, A. The Blue Rex. Brit. Rabbits 1952: 96-97. 40.29 B77

6180 WOOD, A. The Ermine Rex. Brit. Rabbits 1952:99-101. 40.29 B77

6181 YAMANE, J. Biologischer nachweis eines dem' spermatozoon inwohnenden proteolytischen fermentes. Zootechnia 1(2):24-28. Mar./Apr.1952. 41.8 Z73
English summary.
Experiments with rabbits.

Feeds and Feeding

6182 MORIMOTO, H., and KAMEOKA, K. Studies on the feeding standard of rabbits. 1. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:113-121. July 1952. 49.9 C434
English summary and tables.

Veterinary Medicine

6183 AMMANN, K. Über das anaphylaktische verhalten des kaninchen- und pferdeauges im experiment. Schweiz. Arch. f. Tierheilk. 94:614-623. Oct.1952. 41.8 Sch9
English summary.

6184 BILLINGHAM, R. E., and MEDAWAR, P. B. The freezing, drying and storage of mammalian skin. J. Expt. Biol. 29:454-468. Ref. Sept.1952. 442.8 B77
Tests with rabbit skin to be used for grafting.

6185 BINET, L., and others. Altèrations histologiques encéphaliques chez le lapin au cours de l'intoxication par l'amanite phalloïde. Acad. des Sci. Compt. Rend. 235:564-566. Sept.15,1952. 505 P21
P. Desclaux, H. Chanéac, and J. Teysseyre, joint authors.

6186 CRAMPTON, C. F., and HAUROWITZ, F. Deposition of small doses of injected antigen in rabbits. J. Immunol. 69:457-459. Oct.1952. 448.8 J8232

6187 ERIKSSON, S. Metabolism of rabbits at different levels of crude fiber and protein, with special reference to the value of the metabolizable energy. Uppsala,Almqvist & Wiksells,1952. 2 v. Ref. 444 Er4

6188 JACOBS, B. First find the reason. Small Stock Mag. 36(11):4. Nov.1952. 48.8 P442
Coccidiosis in rabbits, and sanitation.

6189 LAWRENCE, J. M., and MCGINNIS, J. The effect of terramycin on the growth of rabbits. Arch. Biochem. & Biophys. 37:164-166. 1952. 381 Ar2

6190 NIHSIO, S. Histological changes of the skin of rabbits in their growth stages in reference to the fur or leather. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:75-81. July 1952. 49.9 C434
English summary and tables.

6191 NIKITIN, V. N., and others. Age changes in the electro-colloidal properties (IET) [isoelectric point] of protoplasm in tissues of rabbits under varied conditions of raising. (In Russian.) Zhur. Obshch. Biol. 13: 270-285. Ref. July/Aug.1952. 442.8 Z6
IU. A. Basina, T. A. Batozskaia, S. A. Brailovskaia, M. P. Volovik, and A. V. Rudaeva, joint authors.

6192 REAGAN, R. L., and others. Morphological observations by electron microscopy of pseudorabies virus (Aujeszky strain) after propagation in the rabbit. Amer. J. Vet. Res. 13:577-578. Oct.1952. 41.8 Am3A
D. M. Schenck, M. P. Harmon, and A. L. Brueckner, joint authors.

6193 SHCHERBAKOV, I. G. Typhus in rabbits. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):66-69. Nov./Dec.1951. 49 K14

6194 SIDERI, C. N., and others. The immunological relationship of myxoma and fibroma viruses. Amer. Vet. Med. Assoc. J. 121:300-301. Oct.1952. 41.8 Am3
J. W. E. Harrisson, C. M. Ambrus, and J. L. Ambrus, joint authors.
Experimental myxomatosis in rabbits and chicks.

6195 TEMPLETON, G. S. Construct hutches to reduce sore hock. Amer. Rabbit J. 22:148. Oct.1952. 40.28 Am3

6196 TERENT'EV, F. A., and STEFANOVA, E. P. On the role of the nervous system in immunogenesis during infectious diseases. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):40-43. 1952. 20 Ak1
Vaccination of rabbits against anthrax.

6197 WHITEHOUSE, R. H., and GROVE, A. J. The dissection of the rabbit with an appendix on the rat. Ed. 4. London,U. Tutorial Press,1952. 183 p. 444 M58

Miscellaneous

6198 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. The rabbit problem; a survey of research needs and possibilities, by F. N. Ratcliffe. Melbourne,1951. 17 p. 40.2 Au7

6199 CASEY, R. G. Myxomatosis developments; rabbit destruction by other methods still essential. Past. Rev. 62:821-822. Aug.16,1952. 23 Au75

6200 GREENE, E. P. Importance of proper nest boxes. Small Stock Mag. 36(11):34. Nov.1952. 48.8 P442

6201 HATZFELD, G. H. Rabbits in winter. (In Portuguese.) Chacaras e Quintais 86:235. Aug.15,1952. 9.2 C34

6202 KELLOGG, C. E. The 4-H and Scout attainments with rabbits. Small Stock Mag. 36(10):4-5. Oct. 1952. 48.8 P442

6203 KELLOGG, C. E. Rabbit production in State of California. Amer. Rabbit J. 22:156-157. Oct.1952. 40.28 Am3

6204 KVAPIL', A. I. Toward further development of rabbit and fur animal farming on the collective farms in Molotov Region. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):75-76. Nov./Dec.1951. 49 K14

6205 MILLER, R. E. Profitable rabbit management. Cayuga, N. Y.,Beacon Milling,1952. 30 p. 40.2 M61

6206 ROMEIRO, M. M. Rabbit raising. (In Portuguese.) Soc. Rur. Bras. Rev. 32(379):54-55. Aug.1952 9.2 B733

6207 SAJA CARCEDO, F. DE. La cartilla del productor de cunicultura. Vitoria,1951. 156 p. 40.2 Sa22

6208 SEARA, C. Criação do coelho doméstico [Raising domestic rabbits]. Rio de Janeiro,Ministério da Agricultura, Serviço de Informação Agrícola,1951. 26 p. (S. I. A. 775) 40.2 Se1

6209 SHILOV, A. A. Leading rabbit raisers [farms] of Molotov Region. (In Russian.) Sotsialist. Zhivotnovod. 14(6):87-88. June 1952. 49 So71

6210 TEMPLETON, G. S. How America produces her fryer rabbits. Fur & Feather 115:605,616. Sept.18, 1952. 49 F96

SHEEP AND GOATS

Breeds and Breeding

6211 AMERICAN MILK GOAT RECORD ASSOCIATION. The standards for milk goats. Better Goatkeeping 8:1672-1673. Sept.1952. 40.18 B46

6212 BAĬKOV, M. I. Collective farm Karakul sheep breeding in Crimean Region. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):31-32. Nov./Dec.1951. 49 K14

6213 BELL, S. Objectives and tendencies in Norwegian sheep breeding. (In Norwegian.) Norsk Landbr. 18:305-307. (Cont.) Aug.29,1952. 11 N8122

6214 BELL, S. Objectives and tendencies in Norwegian sheep breeding. (In Norwegian.) Norsk Landbr. 18:331-333. (Concl.) Sept.12,1952. 11 N8122

6215 BESSE, J. DE. La race ovine Berrichonne du Cher. Potasse 26:161-165. Oct.1952. 57.8 P84

6216 BLIZNICHENKO, V. A. Dagestan Mountain breed of sheep. (In Russian.) Priroda 41(7):104-108. July 1952. 410 P933

6217 BUITKAMP. Umfang, leistungen und fruchtbarkeitsverhältnisse der Ostfriesischen Milchschafzucht. Tierzüchter 4:535-537. Nov.5,1952. 49 T445

6218 COOP, I. E., and CLARK, V. R. A comparison of breeds of ram for fat-lamb production. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:153-171. Aug.1952. 514 N48A

6219 CORDOBA, SPAIN (CITY) FACULTAD DE VETERINARIA. DEPT. DE ZOOTECNIA. Raza caprina granadina, by R. Saraza Ortiz. Cordoba,Moderna,1952. 128 p. Ref. 40.1 C81
English summary.

6220 DAUZIER, L., and WINTENBERGER, S. Recherches sur la fécondation chez les Mammifères: durée du pouvoir fécondant des spermatozoides de bélier dans le tractus génital de la brebis et durée de la période de fécondité de l'oeuf après l'ovulation. Soc. de Biol. Compt. Rend. 146:660-663. May 1952. 442.9 P21

6221 DAUZIER, L., and WINTENBERGER, S. Recherches sur la fécondation chez les Mammifères; la remontée des spermatozoides dans le tractus génital de la brebis en dioestrus et anoestrus. Soc. de Biol. Compt. Rend. 146:663-665. May 1952. 442.9 P21

6222 DESCLAUDE, G. La race ovine Charmoise est bien à sa place dans notre région des Charentes. Paysan Franç. 28(417):9. Sept.1952. 14 P29

6223 EATON, O. N., and SIMMONS, V. L. A semen study of goats. Amer. J. Vet. Res. 13:537-544. Oct. 1952. 41.8 Am3A

6224 FRASER, G. Breeding Merinos. So. Austral. Dept. Agr. J. 56:36-38. Aug.1952. 23 So84

6225 GMELIN. Nachwuchssorgen in der ziegenzucht. Tierzüchter 4:463-464. Sept.20,1952. 49 T445

6226 GRIFFITH, F. The Welsh half-bred ewe can do the job. Brit. Farmer 50:5. Aug.30,1952. 281.8 B77

6227 GUNN, R. M. C. Cyclic changes in spermatogenesis in rams. Vet. Rec. 64:580-581. Ref. Sept.27, 1952. 41.8 V641

6228 HAFEZ, E. S. E. Studies on the breeding season and reproduction of the ewe. J. Agr. Sci. 42:189-265. Ref. July 1952. 10 J822

6229 HUNT, H. R., and others. Wool characteristics, growth, and skin folds in a cross between Rambouillet and Black Top Delaine sheep. Mich. Agr. Expt. Sta. Q. B. 35:52-67. Ref. Aug.1952. 100 M58S
Y. S. Ghanem, C. A. Lawson, and G. A. Brown, joint authors.

6230 ĬUDIN, V. M., and BRIGIS, O. I. Change in heredity and vitality of Karakul sheep in relation to age of the parents. (In Russian.) Sovet. Zootekh. 7(4):60-76. Apr.1952. 49 So822

6231 ĬUDIN, V. M. On selection of sires and evaluating them by their offspring in Karakul sheep breeding. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):8-14. Nov./Dec.1951. 49 K14

6232 KERRY HILL (WALES) SHEEP BREEDERS' ASSOCIATION AND FLOCK BOOK SOCIETY. The flock book of Kerry Hill (Wales) sheep, v. 52. Welshpool, 1952. 95 p. 45.9 K46

6233 KLIMOV, G. M. Breeding fine-wooled and semi-fine-wooled sheep in the new districts of Kazakhstan. (In Russian.) Sotsialist. Zhivotnovod. 14(3):52-55. Mar.1952. 49 So71

6234 KUZNETSOV, V. Meat productivity of the Turkmenian Karakul sheep. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):57-59. July/Aug.1952. 50.8 M58

6235 LIKAR, I., and KAMHI, S. Electro-ejaculation in ram. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1: 506-514. 1952. 41.8 V6494
English summary.

6236 LINCOLN LONGWOOL SHEEP BREEDERS' ASSOCIATION. Flock book of Lincoln Longwool sheep, v. 61. Hull,1952. 43 p. 45.9 L63

6237 MADSEN, M. A. The need for open-face Rambouillet rams. Sheep & Goat Raiser 32(12):36. Sept.1952. 45.8 Sh3

6238 MANOV, A. A. Transformation of Kara-Kumy [desert] and prospect for developing Karakul sheep raising there. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):7-9. May/June 1952. 49 K14

6239 MIKHNOVSKIĬ, D. K. Transforming the sheep industry in the Carpathian Mountain Area of Ukrainian SSR. (In Russian.) Sovet. Zootekh. 7(5):24-30. May 1952. 49 So822
Crossing native sheep with Tsigai sires.

6240 MUÑOZ CAÑIZARES, R. La cabra granadina. Tierra [Mexico] 7:600-601,636-639. Sept.1952. 8 T445

6241 OZHIN, F. Artificial insemination of sheep. (In Russian.) Kolkhoz. Proizvodstvo 12(8):29-31. Aug. 1952. 281.8 K83

6242 PETROV, V. A. Problems in organizing the flock of Karakul sheep on state farms. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):47-50. May/June 1952. 49 K14

6243 POESTER, C. Instructions for the genealogical registration of sheep. (In Portuguese.) Granja [Porto Alegre] 8(63):39-41. June 1952. 9.2 G76

6244 RAE, A. L. Crossbreeding of sheep. Commonwealth Bur. Anim. Breeding & Genet. Anim. Breeding Abs. 20:197-207. Ref. Sept.1952. 241 Im72Ra

6245 ROUBICEK, C. B. Procedures that can be used to utilize lamb carcass evaluation in sheep breeding experiments. Reciprocal Meat Conf. Proc. 4:144-146. 1951. 50.9 R24

6246 SARAZA ORTIZ, R. Caprinotecnia; standars raciales. Córdoba,Imprenta Moderna,1952. 11 p. Ref. 40.1 Sa7

6247 ŠMALCELJ, I. Influence of ecologic factors on the quality of wool of Merino rams (a contribution to the solution of the problem). (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:464-474. Ref. 1952. 41.8 V6494
English summary.

6248 SOCIETY OF BORDER LEICESTER SHEEP BREEDERS. The flock book of Border Leicester sheep, v. 54. Perth,1952. 291 p. 45.9 So1

6249 SOUTHDOWN SHEEP SOCIETY. The Southdown flock book, v. 61. Maidstone,1952. 148 p. 45.9 So8S

6250 SUFFOLK SHEEP SOCIETY. The flock book of Suffolk sheep, vol. LXVI. Ipswich?1952. 184 p. 45.9 Su2

6251 VASIL'EV, A. S. Problems in increasing vitality of gray Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):69-72. May/June 1952. 49 K14

6252 WATSON, R. H. Seasonal variation in fertility in Merino sheep. Past. Rev. 62:824. Aug.16,1952. 23 Au75

Feeds and Feeding

6253 ABE, G. Digestion trials of various feeds by sheep. II. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:83-97. Ref. July 1952. 49.9 C434
English summary and tables.

6254 ANDERSON, J. P., and ANDREWS, E. D. Response to vitamin B_{12} of grazing cobalt-deficient lambs. Nature [London] 170:807. Nov.8,1952. 472 N21

6255 BELL, J. M., and WEIR, J. A. Supplementation of alfalfa and marsh hays with linseed, rapeseed and mustardseed oil meals in gestation rations for ewes. Sci. Agr. 32:496-501. Ref. Sept.1952. 7 Sci2

6256 CASTRO M., J. R., and OLCESE, O. Digestibilidad del pasto Rhodes en ovinos. Agronomia [Lima] 17(70):113-116. July 1952. 9.8 Ag83

6257 CRAWFORD, A. Ensilage as sheep feed on light land. New Zeal. Farmer 73(14):3-4. Sept.11,1952. 23 N484

6258 DAWBARN, M. C., HINE, D. C., and HUGHES, P. Influence of cobalt on the production of factors possessing vitamin B_{12}-like activity in the faeces of sheep. Nature [London] 170:793. Nov.8,1952. 472 N21

6259 DRAPER, H. H., JAMES, M. F., and JOHNSON, B. C. Tri-o-cresyl phosphate as a vitamin E antagonist for the rat and lamb. J. Nutr. 47:583-599. Ref. Aug.11, 1952. 389.8 J82

6260 DVIGANTSEV, V. I., and LUTSKII, IA. Z. To improve the feed supply base for collective farm Karakul sheep raising in Uzbek SSR. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):22-26. May/June 1952. 49 K14

6261 JORDAN, P. S. What a pill—(stilbestrol). Feed Age 2(11):22-25. Nov.1952. 389.78 F327
In lamb feeding.

6262 MALYSHEV, P. P. Practices of leaders in organizing feeding and maintenance of Karakul sheep during the summer period. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):9-13. May/June 1952. 49 K14

6263 MARSTON, H. R., and LEE, H. J. Cobalt in the nutrition of ruminants. Response of cobalt-deficient sheep to massive doses of vitamin B_{12}. Nature [London] 170:791. Nov.8,1952. 472 N21

6264 MARSTON, H. R., and SMITH, R. M. Control of cobalt-deficiency in sheep by injection of vitamin B_{12}. Nature [London] 170:792-793. Nov.8,1952. 472 N21

6265 MODIANOV, A. V. Importance of colostrum for lambs. (In Russian.) Sotsialist. Zhivotnovod. 14(4): 80-82. Apr.1952. 49 So71

6266 SCHARRER, K., and SCHREIBER, R. Calcium- und phosphorsäure-bilanzversuche mit phosphorsaurem futterkalk und verschiedenen rhenaniaphosphaten bei lämmern. Landwirt. Forsch. 2:144-155. 1951. 18 L2333

6267 SHATSKII, G. V. Organization of [sheep] watering in camps. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):22-24. Nov./Dec.1951. 49 K14

6268 SMITH, S. E. Vitamin B_{12} and cobalt deficiency in sheep. Farm Res. [N. Y. State Sta.] 18(3):11. July 1952. 100 N48A

6269 VORON'KO, V. F. Practices of Stalin Kolkhoz [in Petrovskii District, Stavropol Territory] in utilizing the far-off pastures [in sheep raising]. (In Russian.) Sotsialist. Zhivotnovod. 14(6):83-84. June 1952. 49 So71

Veterinary Medicine

6270 ALIKAEV, V. A., and others. Prevention of lung diseases in sheep. (In Russian.) Sovet. Zootekh. 7 (5):84-89. May 1952. 49 So822
A. V. Lïaushkin, N. N. Uzunov, L. M. Dmitrievskiĭ, and N. V. Plïaskin, joint authors.

6271 AGNESE, M. O. Cardiac sarcosporidiosis as one of the possible cuases of Adams-Stokes disease; rare localization of Sarcocystis sp. in the Purkinje fibers. (In Portuguese.) Cong. Bras. de Vet. An. 5:363-368. Ref. 1950,pub.1951. 41.9 C7695A
Cases of a goat and a steer.

6272 ANNISON, E. F., and PENNINGTON, R. J. The metabolism of n-valeric acid and some branched chain acids by sheep tissues in vitro. (Sum.) Biochem. J. 52:ix. Sept.1952. 382 B52

6273 BELSCHNER, H. G. Balanitis in sheep. Agr. Gaz. N. S. Wales 63:291-292. June 2,1952. 23 N472

6274 CARLSON, H. C., and WALTER, W. G. A study of a few of the bacteria in the rumen of sheep. Mont. Acad. Sci. Proc. 10:9. 1950,pub.1951. 500 M762

6275 CASOS, G. A. Sinusitis parasitaria y cenurosis cerebral de los ovinos. Res 19:26629-26631. Dec.20, 1951. 286.85 R31

6276 DENTON, D. A., and others. Excess Na^+ subtraction in the sheep. Austral. J. Expt. Biol. & Med. Sci. 30:213-250. Ref. June 1952. 442.8 Au7
I. R. McDonald, J. Munro, and W. Williams, joint authors.

6277 DRIEUX, H., and THIÉRY, G. La placentation chez les mammifères domestiques. IV. Placenta des Ovidés. Rec. de Méd. Vét. 128:5-18. Jan.1952. 41.8 R24

6278 EREMIN, V. M. Control of coenurosis in sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 4 (6):62-64. Nov./Dec.1951. 49 K14

6279 FETHERS, G. Phenothiazine risks in sheep. Past. Rev. 62:827-828. Aug.16,1952. 23 Au75
Treatment for intestinal worms.

6280 FORSYTH, R. A. The control and treatment of some common diseases of feedlot lambs. Cornell Vet. 42:600-602. Oct.1952. 41.8 C81

6281 FRIGERIO, J. C. Lombriz del cuajo de los ovinos. Pampa Argentina 25(296):20-21. Aug.1952. 9 P19

6282 GALLOWAY, J. H., and others. Effects of stilbestrol-progesterone implants on the growth and carcass quality of lambs. Mich. Agr. Expt. Sta. Q. B. 35:68-74. Aug.1952. 100 M58S
L. J. Bratzler, L. H. Blakeslee, and J. Meites, joint authors.

6283 GERRING, J. C. Sleepy sickness and milk fever in ewes. New Zeal. J. Agr. 85:115,117-118. Aug. 15,1952. 23 N48J

6284 GOLDBERG, A. Experimental infection of sheep and goats with the nematode lungworm, Dictyocaulus filaria. Amer. J. Vet. Res. 13:531-536. Oct.1952. 41.8 Am3A

6285 GRAN, IA. L., and SOKOLOV, E. M. Testing sodium amytal on sheep [as an anesthetic]. (In Russian.) Veterinariia 29(7):53. July 1952. 41.8 V6426

6286 HARTLEY, W. J. Ovine leptospirosis. Austral. Vet. J. 28:169-170. July 1952. 41.8 Au72

6287 HUNGATE, R. E., and others. Microbiological and physiological changes associated with acute indigestion in sheep. Cornell Vet. 42:423-449. Oct.1952. 41.8 C81
R. W. Dougherty, M. P. Bryant, and R. M. Cello, joint authors.

6288 IAKOVLEVA, A. G. Experiments in studying immunity during brucellosis in sheep. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):29-32. 1952. 20 Ak1

6289 IMORI, T. A record in hematologic study on normal sheep blood. (In Japanese.) Tottori Soc. Agr. Sci. Trans. 9:69-73. Dec.30,1951. 513 T64
English summary.

6290 JARRETT, I. G., and POTTER, B. J. Carbohydrate metabolism in the young lamb. Austral. J. Expt. Biol. & Med. Sci. 30:207-212. Ref. June 1952. 442.8 Au7

6291 JARRETT, I. G., POTTER, B. J., and FILSELL, O. H. Lower fatty acids in the intermediary metabolism of sheep. Austral. J. Expt. Biol. & Med. Sci. 30:197-206. Ref. June 1952. 442.8 Au7

6292 KHALIMBEKOV, M. M. Listerellosis in sheep and goats. (In Russian.) Veterinariia 29(7):37-41. July 1952. 41.8 V6426

6293 KOVÁCS, J., and JUHÁSZ, B. Physiologische und anatomische untersuchungen über einen fall von ectopia cordis nuda partialis thoracica. Acta Vet. 2:1-17. 1952. 41.8 Ac83
Case of a goat.

6294 KRULL, W. H., and MAPES, C. R. Studies on the biology of Dicrocoelium dendriticum (Rudolphi, 1819) Looss, 1899 (Trematoda: Dicrocoeliidae), including its relation to the intermediate host, Cionella lubrica (Müller). VI-VII. Cornell Vet. 42:464-489,603-604. Ref. Oct.1952. 41.8 C81

6295 KRYMSKAIA, E. K., and KUZNETSOVA, N. A. Effect of type of constitution and live weight of Karakul sheep on weight and quality of lambs at birth. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):14-19. Nov./Dec.1951. 49 K14

6296 LARSEN, A. B. The evaluation of acid-fast allergens on sensitized goats. Amer. J. Vet. Res. 13: 545-548. Oct.1952. 41.8 Am3A

6297 LÖLIGER, H. C. Infektion mit dem Bacillus novyi bei einer ziege durch den verdauungskanal. Deut. Tierarztl. Wchnschr. 59:278-279. Sept.15,1952. 41.8 D482

6298 LOTZE, J. C. The pathogenicity of the coccidian parasite, Eimeria arloingi, in domestic sheep. Cornell Vet. 42:510-517. Oct.1952. 41.8 C81

6299 LUKASHENKO, F. D. Aluminum hydroxide formol vaccine against infectious pleuropneumonia in goats. (In Russian.) Veterinariia 29(7):11. July 1952. 41.8 V6426

6300 MARSH, H. Sore-mouth. Natl. Wool Grower 42(10):23. Oct.1952. 45.8 N21N
In sheep.

6301 MASSON, M. J. Organisms of the alimentary tract of sheep. (Sum.) Soc. Appl. Bact. Proc. 14(2):v. Oct.1951,pub.Oct.1952. 448.39 So12

6302 MILIN R., and JANJATOVIĆ M. A contribution to the study of syndromes in the so-called southern wind disease [zajuzivanje] in sheep. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:401-432. Ref. 1952. 41.8 V6494
English summary.
A consequence of unsuccessful acclimatization.

6303 MUZAFAROV, K. F., and PARAKIN, V. K. On summer diseases of lambs. (In Russian.) Veterinariia 29(7):49-52. July 1952. 41.8 V6426

6304 ORLOV, E. S. On measures for controlling brucellosis. (In Russian.) Veterinariia 29(8):27-32. Aug.1952. 41.8 V6426
In sheep and goats chiefly.

6305 OSHIO, Y. Studies on the anemia by Haemonchus contortus. I. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:171-178. Ref. Mar.1952. 49.9 C434
English summary and tables.
In sheep and goats.

6306 PADUCHEVA, A. L., and KOVAL'SKII, V. V. Seasonal anemia of Karakul ewes under conditions of raising them in the South of Ukraine. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):17-22. May/June 1952. 49 K14

6307 PEIRCE, A. W. Studies on fluorosis of sheep I. The toxicity of water-borne fluoride for sheep maintained in pens. Austral. J. Agr. Res. 3:326-340. Ref. July 1952. 23 Au783

6308 PEREZ Y PEREZ, F. Castración y raboteo de los corderos. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 8-52 H,16 p. Apr.1952. 15 H68

6309 POLYKOVSKII, M. D., and LAKOVLEV, S. A. Enzootic ataxia in lambs. (In Russian.) Veterinariia 29 (9):31-33. Sept.1952. 41.8 V6426

6310 PRIER, J. E., THOMAS, R. M., and BRAMLET, R. G. Treatment of urinary calculi. Vet. Med. 47:459-460. Nov.1952. 41.8 M69
Chiefly sheep.

6311 RAC, M., and WALL, M. A case of uterine infection with Salmonella meleagridis in a sheep. Austral. Vet. J. 28:173. July 1952. 41.8 Au72

6312 RYFF, J. F., and BROWNE, J. Paracolon abortion in ewes. Amer. Vet. Med. Assoc. J. 121:266. Oct.1952. 41.8 Am3

6313 SALCES, F. Quistes hidáticos en cabras. Córdoba. U. Nac. Facul. de Cien. Exact., Fis. y Nat. Rev. 14:175-183. Jan./Mar.1951. 516 C81B

6314 SANCHEZ BELDA, A. Importancia del peso vivo en la selección de las ovejas. Spain. Min. de Agr. P. de Capacitacion Agr. Hojas Divulg. 1-52 H,12 p. Jan. 1952. 15 H68

6315 SCHAMBYE, P. The circulating blood-volume of sheep as determined by means of P^{32}-tagged erythrocytes and T-1824. (In Danish.) Nord. Vetmed. 4:929-961. Ref. Oct.1952. 41.8 N813
English summary.

6316 SIJPESTEIJN, A. K., and ELSDEN, S. R. The metabolism of succinic acid in the rumen of the sheep. Biochem. J. 52:41-45. Ref. Sept.1952. 382 B52

6317 VILLENEUVE, P. Les parasites des moutons ne sont pas un mal nécessaire. B. des Agr. 34(9):91,95. Sept.1952. 7 B782

6318 VISEK, W. J., BARNES, L. L., and LOOSLI, J. K. Calcium metabolism in lactating goats as studied with Ca^{45} following oral and intravenous administration. J. Dairy Sci. 35:783-792. Ref. Sept.1952. 44.8 J822

6319 VOLKOVA, A. A., and IPPOLITOV, M. S. Resistance of lamb dysentery organism to various chemical substances. (In Russian.) Veterinariia 29(9):36-41. Sept.1952. 41.8 V6426
L. D. bacillus.

6320 WARD, G. W. Plan now for worm control. Westralian Farmers Co-op Gaz. 23(404):61. July/Aug. 1952. 280.28 W522
In sheep.

6321 WATTS, P. S., and WALL, M. The 1951 Salmonella typhi-murium epidemic in sheep in South Australia. Austral. Vet. J. 28:165-168. July 1952. 41.8 Au72

6322 ZAVADOVSKII, M. M., and VOROB'EVA, E. I. Relation of multiple birth numbers to degree of multiple birth serum activity (concentration). (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):28-32. 1952. 20 Ak1
Effect of pregnant mares' serum on sheep.

6323 ZHUKOVSKAIA, S. A. On using only TSenkovskii's second vaccine for preventive inoculations in sheep [against anthrax]. (In Russian.) Veterinariia 29 (10):29. Oct.1952. 41.8 V6426

Miscellaneous

6324 BOIKO, D. F. To raise healthy young [Karakul lambs]. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):3-6. May/June 1952. 49 K14

6325 BRUNDRETT, E. Grassland sheep husbandry. Land Agents' Soc. J. 51:376-378. Sept.1952. 282.9 L22

6326 BUTLER, M. Shearing time; some time and money-saving hints. West. Austral. Dept. Agr. J. (ser.3)1:449,451-453,455-457. July/Aug.1952. 23 W52J

6327 CLARKE, J. V. Goats in the farm routine. Brit. Goat Soc. Mon. J. 45:158-159. Oct.1952. 40.19 B77M

6328 DIUZHOVA, M. V., and KAZAKOVA, M. M. Method of increasing productivity [meat and wool] of collective farm sheep raising. (In Russian.) Sovet. Zootekh. 7(4):77-82. Apr.1952. 49 So822

6329 DUNLOP, G. Selecting ewe lambs for stock. Farmer Wk. [London] 37(12):71. Sept.19,1952. 10 F222

6330 DVIGANTSEV, V. I., and MINAEV, B. U. Collective farm Karakul sheep raising of Turkmenian SSR. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6): 29-31. Nov./Dec.1951. 49 K14

6331 GLASSON, W. R. The sheep that carry us; an historical sketch. Past. Rev. 62:831-832. Aug.16,1952. 23 Au75

6332 HOUGH, W. H., and WILLIAMS, S. B. The shepherds' calendar. Canada. Dept. Agr. P. 873,15 p. June 1952. 7 C16 Pu

6333 KIIATKIN, P. F. Kurdiuchnoe ovtsevodstvo v Uzbekistane [Fat-tail sheep raising in Uzbekistan]. Tashkent,Gos. Izd-vo UzSSR,1952. 85 p. Ref. 45 K552

6334 KONČAR, L. Uzgoj ovaca [Care of sheep]. Sarajevo,Zadružnog Izdavack og Preduzeća,1951. 68 p. Ref. 45 K833

6335 KOPYL, I. E. From the practices of the Karakul sheep raising Udarnik State Farm. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):13-17. May/June 1952. 49 K14

6336 KOSHEVOI, M. A. Organizing the raising of the young of Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):50-52. May/June 1952. 49 K14

6337 KOZLOV, V. K. A leading farm of Karakul sheep on Molotov Collective Farm [in Grigoriopol'skii District, Moldavian SSR]. (In Russian.) Sotsialist. Zhivotnovod. 14(6):59-66. June 1952. 49 So71

6338 LANG, W. R. Anomalous wool growth in Merino fleece. Austral. Inst. Agr. Sci. J. 18:108-109. June 1952. 23 Au74

6339 MAKAROVA, M. I. Practices of the sheep raising farm of Kalinin Kolkhoz [in Romanov District, Moldavian SSR]. (In Russian.) Sotsialist. Zhivotnovod. 14(6):55-59. June 1952. 49 So71

6340 MOITON. L'élevage des chevreaux. Chambre d'Agr. de Casablanca. B. 23(255):7. July 1952. 24 C26

6341 NURLIMBAEV, M. My method of saving and rearing the young of Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):24-26. Nov./Dec. 1951. 49 K14

6342 PETROVSKIĬ, N. I. Dairy goat industry in the area of Caucasian mineral waters. (In Russian.) Sotsialist. Zhivotnovod. 14(4):40-42. Apr.1952. 49 So71

6343 POPE, A. L. There's money in sheep—if. Co-op. Shipper 32(10):10-11. Oct.1952. 280.38 C78
Care and feeding.

6344 SAELAND. Karakul fur production in connection with levelling of the sale of sheep meat. (In Norwegian.) (Sum.) Tidsskr. f. det Norske Landbr. 59:63-75. Mar./Apr.1952. 11 T433

6345 SANNIKOV, M. I. Practices of the sheep raising farm of Vtoraia Piatiletka Collective Farm [in Ipatovskiĭ Raion, Stavropol Territory]. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3: 64-68. Mar.1952. 20 D742

6346 SHAND, G. D. Excessive wool branding. New Zeal. J. Agr. 85:106. Aug.15,1952. 23 N48J

6347 SHELIKHOVSKIĬ, S. S. Electro-mechanical shearing of sheep on Chervlennye Buruny Sheep Breeding State Farm. (In Russian.) Sotsialist. Zhivotnovod. 14(4): 31-36. Apr.1952. 49 So71

6348 SHUMILIN, S. IA. To make constant efforts for high profitability of the Karakul sheep raising state farms. (In Russian.) Karakulevodstvo i Zverovodstvo 4 (6):3-7. Nov./Dec.1951. 49 K14

6349 TELFER, J. A. La cabra lechera. Guatemala, Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):32-37. July/Dec.1950,pub.July 10,1952. 8 G934

6350 TURSUNOV, S. T. Fine-wool sheep raising in Kirghizia. (In Russian.) Sotsialist. Zhivotnovod. 14(3): 48-51. Mar.1952. 49 So71

6351 YOUNG, D. H. More and better family milkers. Dairy Goat J. 30(10):8. Oct.1952. 40.18 M592

SWINE

Breeds and Breeding

6352 BARCROFT, A. L. Pulau Gadong stud farm and its role in pig improvement work in the settlement of Malacca. Malayan Agr. J. 35:71-77. Apr.1952. 22.5 F312

6353 BENEKE, R. R. Planning your pork production; do you prefer the one or two litter system for raising pigs? Rur. New-Yorker 102:568,584. Sept.6,1952. 6 R88

6354 BEREZOVSKAIA, L. A. Industrial crossing as a method of improving the fattening capacities of swine. (In Russian.) Sotsialist. Zhivotnovod. 14(6):49-54. June 1952. 49 So71

6355 CHRISTIAN, R. E., and ENSMINGER, M. E. The WSC Project No. 61 bacon-type hog. Wash. Agr. Expt. Sta. C. 165,rev.,3 p. Sept.1952. 100 W27S
Breeding.

6356 FRÖLICH, W. Ein beitrag zur frage der wirtschaftlichkeit der zuchtsauenhaltung. Tierzüchter 4:481-484. Oct.5,1952. 49 T445

6357 GONZALEZ CHAPEL, A., and CABRERA, J. I. Los cruzamientos en la crianza de cerdos en Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. B. 95,54 p. Ref. Sept.1951. 100 P83

6358 GREVE S., G. Las razas porcinas alemanas. Agr. Austral 20:215-217. June 1952. 9.3 Ag842

6359 HANSEN, H. Scattered observations on swine breeding and bacon production in Holland. (In Danish.) Dansk Landbr. 71:450-452. Sept.18,1952. 280.28 V91

6360 HERNANDEZ, E. Cuidado y manejo del verraco. Rev. Nac. de Agr. 46(569):43. Sept.1952. 9.4 R32

6361 KOROVETSKAIA, N. N., SULOKHINA, M. F., and IGNATOVA, L. V. Meat and lard productivity of hybrids from industrial crossing of Livenskaia and Large White swine breeds. (In Russian.) Sotsialist. Zhivotnovod. 14(4):54-59. Apr.1952. 49 So71

6362 KOZLOVSKIĬ, V. Industrial crossing of swine of native breeds. (In Russian.) Miasnaia Indus. SSSR. 23(1):74-77. Jan./Feb.1952. 50.8 M58

6363 LASLEY, J. F. Careful planning and skillful handling of the breeding herd will pay big dividends later in the production of larger, healthy litters. Amer. Hampshire Herdsman 27(10):14,16,19. Oct.1952. 46.8 Am33

6364 LONGWILL, A. Breeding sows within the herd. Austral. Dairy Rev. 20(8):9,28. Aug.1,1952. 44.8 Au73

6365 MARKOVIĆ, R. Control of productivity in swine breeding. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):12. July 1952. 21.5 V87

6366 MUGGLI, J. Der zuchttypus des veredelten landschweines. Grüne 80:1069-1085. Sept.26,1952. 17 Sch9

6367 NATIONAL PIG BREEDERS' ASSOCIATION. Herd book, 1951, containing entries of Large Black pigs (v. 44) and Large White pigs (v. 67). London,1951. 920,363 p. 46.9 N21H

6368 NATIONAL PIG BREEDERS' ASSOCIATION. Herd book, 1952. London,1952. 2 v. 46.9 N21H
Contain entries of Middle White, Tamworth and Berkshire pigs (v. 68), Gloucestershire Old Spots (v. 17), Welsh pigs (v. 4), and Large Black pigs (v. 45).

6369 NIWA, T., and others. Physico-chemical studies on [boar's] semen. I-III. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:89-121. Ref. Mar.1952. 49.9 C434
English summary and tables.
I, by T. Niwa, A. Mizuho and S. Ishikawa; II, by H. Nozaki, T. Kawase and T. Niwa; III, by T. Niwa, A. Mizuho, S. Takeda and O. Ichikawa.

6370 POLESSKIĬ, P. K. Breeding of black spotted swine in White Russia. (In Russian.) Sotsialist. Zhivotnovod. 14(3):66-72. Mar.1952. 49 So71
Poland China.

6371 PRA, DEL. The Sienna grey swine. (In Italian.) Cam. di Com. Indus. e Agr. Reggio Emilia. Rass. Econ. 6(10):7-8. Oct.1951. 287 R26
Cross between the Cinta and Large White breeds.

6372 RAIMONDI, R. The Garlasco swine. (In Italian.) Italia Agr. 89:609-620. Sept.1952. 16 It1

6373 SAALER. Züchten heisst in generationen denken! Bauern-Ztg. 5(40):12. Oct.3,1952. 18 B324
Swine.

6374 TAYLOR, E. L. Notes on the origins of the Yorkshire, Tamworth and Berkshire breeds. Canad. Swine 14(3):19. Sept.1952. 46.8 C16

6375 THOMSEN, R. N. Svineavl og svinefodring. Rapport fra en studierejse i U.S.A. i 1950 [Swine breeding and swine feeding. Report on a study trip to U.S.A. in 1950]. København,Udenrigsministerium,1951. 23 p. (Teknisk Bistand under Marshallplanen) 46 T38

6376 TONINI, G. The swine of Faenza. (In Italian.) Cam. di Com. Indus. e Agr. Reggio Emilia. Rass. Econ. 6(10):9-11. Oct.1951. 287 R26
Breeds and types.

6377 VOLODIN, N. P., and KEMEL'MAN, A. M. 25 piglings from a sow in a year [on Karl Marx Collective Farm, Bashtanskii Raion, Nikolaev Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(3):36-37. Mar.1952. 49 So71

6378 ZUBKOVA, D. P. Method of raising [Spotted Poland China] baby pigs. (In Russian.) Sotsialist. Zhivotnovod. 14(4):26-30. Apr.1952. 49 So71

Feeds and Feeding

6379 ALTMAN, L. B., JR., ASHTON, G. C., and CATRON, D. Your pigs may need more water. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:41-42. Sept.1952. 275.28 Io94

6380 BAKER, F. S., JR. Good grazing will cover multitude of sins in raising swine properly. Fla. Cattleman 17:64. Oct.1952. 43.8 F66

6381 BEESON, W. M. A summary of swine nutrition discoveries. Feedstuffs 24(44):32,50-54. Nov.1,1952. 286.81 F322

6382 BOHSTEDT, G. Milk replacers for pigs. Feedstuffs 24(46):49-51. Nov.15,1952. 286.81 F322

6383 BRENCIS, K. Doses of Na and Cl to be fed to growing pigs. (In Latvian.) Latv. PSR Zinātņu Akad. Vest. 5:725-738. Ref. 1951. 511 R442
Russian summary.

6384 CHRISTIAN, R. E. Full vs. limited feeding as it affects selection in swine. Wash. Agr. Expt. Sta. C. 161,rev.,4 p. Sept.1952. 100 W27S

6385 COMERCIO, N. H. Alimentación de los cerdos—granos de sorgos. Asoc. Argentina Criadores de Cerdos. Rev. 31(361):23,25. Sept.1952. 46.9 As5

6386 D'IACHKOV, N. A. Continuous green feed supply for swine under conditions of the forest-steppe area in Omsk Region. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:47-50. Apr.1952. 20 D742

6387 D'IACHKOV, N. A. Sugar beets and potatoes in the continuous supply of green feed for swine. (In Russian.) Sovet. Zootekh. 7(4):32-40. Apr.1952. 49 So822

6388 DIETZ, A. Neuer start der schweine-mastleistungsprüfungen. Landwirt. Z. der Nord-Rheinprov. 119:907. Aug.23,1952. 18 L2344

6389 DUCKWORTH, J. These rations will give you grade "A" carcasses. Dairy Farmer [Ipswich] 25(10): 58. Oct.1952. 44.8 D1414
Swine.

6390 DUKAT'SENKO, V. Livestock fattening on the farms of Ishim [Procurement] Office. (In Russian.) Mîasnaîa Indus. SSSR. 22(6):61-63. Nov./Dec.1951. 50.8 M58
Swine chiefly.

6391 FLORES, T. G. Influence of thyroprotein in rations for growing and fattening pigs. Philippine Agr. 35:158-162. Aug.1951. 25 P542

6392 GERASIMOV, F. P. Mass fattening of swine on local inexpensive feeds. (In Russian.) Sovet. Zootekh. 7 (5):90-91. May 1952. 49 So822

6393 GRANT, R. Pigs and poultry. 10. Dry feeding saves time and feed. Grower [London] 38:764-765. Oct.18,1952. 286.83 M34

6394 GRUMMER, R. H. Do antibiotics influence carcass quality? Natl. Provisioner 127(16):134-136. Oct. 18,1952. 286.85 N21
Swine.

6395 HANSON, L. E. Soybean oil meal in the nutrition of swine. Soybean Digest 12(12):12-13. Oct.1952. 60.38 So9

6396 HENNAUX, L., ANTOINE, A., and HOLVOET, J. L'effet de la vitamine B_{12} et de la pénicilline sur la croissance des porcelets. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:233-243. Ref. 1951. 105.1 G285

6397 HUTCHINSON, J. Creep dormitories for piglings. Farmers Wk. [London] 37(8):55. Aug.22,1952. 10 F2226
Shelters and feeding.

6398 IMAMURA, T., and NAGAO, T. Studies on the feeding value of sweet potato vines for pigs. (In Japanese.) Kyushu Noji Shikinjo 8:119-120. Oct.1951. 107.6 K996

6399 JEZIC, J., ŠMALCELJ, I., and ILANČIC, D. Yeast saccharomycetes as swine food. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:433-454. Ref. 1952. 41.8 V6494
English summary.

6400 KIRSCH, M. Die fütterung der zuchtsauen. Bauer 4(35):12-13. Oct.20,1951. 19 B32
Austria.

6401 KRÜGER, L., BIEDERMANN, F., and SCHMID, W. Zuckerrübenmast mit und ohne vitamin-belfuttermittel. Tierzüchter 4:458-460. Sept.20,1952. 49 T445
Hogs.

6402 LUTHER, H G. Synthetic milk cuts early pig losses. Natl. Provisioner 127(16):130-134. Oct.18,1952. 286.85 N21

6403 MERTZ, E. T., BEESON, W. M., and JACKSON, H. D. Classification of essential amino acids for the weanling pig. Arch. Biochem. & Biophys. 38:121-128. Ref. July 1952. 381 Ar2

6404 MYERS, K. E. Synthetic milk needs good support. Natl. Provisioner 127(16):137-139. Oct.18,1952. 286.85 N21
For swine.

6405 NAGY, Z. Valor de los subproductos lácteos en la alimentación de los cerdos. Campesino [Santiago] 84(7):9-10. July 1952. 9.3 So12

6406 NIELSEN, P. J. Feeding results. (In Danish.) Dansk Landbr. 71:449-450. Sept.18,1952. 280.28 V91
Hogs.

6407 NORDFELDT, S. No visible improvement in the growth of baby pigs; experiments with antibiotics for pregnant and nursing mother sows. (In Swedish.) Lantmannen 36:817-819. Oct.11,1952. 11 L234

6408 OBRADOVIĆ, M. Remplacement de la nourriture concentrée par la farine de foin de luzerne dans l'alimentation d'hiver des porcelets. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6):87-98. Ref. 1951. 21.5 Y9

6409 OVSIANNIKOV, A. I. Result of a study on the natural types of feeding and maintenance of swine. (In Russian.) Agrobiologiia 4:89-93. July/Aug.1952. 20 Ag822

6410 OWTRAM, I. H. Importance of creep in profitable pig production. New Zeal. J. Agr. 85(1):63-64. July 15,1952. 23 N48J

6411 PENSACK, J. M. Antibiotics implanted in little pigs. Natl. Provisioner 127(16):136-137. Oct.18,1952. 286.85 N21

6412 PLANK, G. M. VAN DER, and HIRSCHFELD, W. K. Globamine as a source of essential amino acids, added to mixed feed for hogs and hens. (In Dutch.) Tijdschr. v. Diergeneesk. 77:701-710. Oct.1,1952. 41.8 T431
English summary.

6413 RICHTER, K., and LEZIUS, G. Vergleichender schweinemastversuch mit kartoffeln, zucker- und futterrüben. Tierzüchter 4:436-438. Sept.5,1952. 49 T445

6414 ROBINSON, K. L., COEY, W. E., and BURNETT, G. S. Some effects of procaine penicillin and of certain vitamin supplements on food consumption and live-weight gain of pigs. J. Sci. Food & Agr. 3:448-454. Ref. Oct.1952. 382 So12

6415 SCHARRER, K., and SCHREIBER, R. Über die verdaulichkeit von frischen und eingesäuerten topinamburknollen bei schweinen. Landwirt. Forsch. 2: 156-161. 1951. 18 L2333

6416 SCHMIDT, R. Antibiotika in der schweinefütterung. Prakt. Landwirt. 6:115-116. Sept.1952. 19 P88

6417 STAHL, D. W. Die wirtschaftsmast bei schweinen. Deut. Landwirt. 3:480-483. Sept.1952. 18 D4822

6418 STRATTON, C. L. Garbage-fed hogs the disease-free way! N. J. Farm & Gard. 23(10):26,28-29. Oct.1952. 6 G162

6419 TEICHMANN. Frischfuttervermusung zur schweinefütterung. Landwirtbl. Weser-Ems 99:909-910. Sept.11,1952. 18 L2345
Beets.

6420 TERRILL, S. W., and others. The effect of feeding a high level of crude protein in the drylot ration of fattening hogs. Amer. Vet. Med. Assoc. J. 121:304-305. Oct.1952. 41.8 Am3
W. K. Warden, D. E. Becker, and P. B. Beamer, joint authors.

6421 TERRILL, S. W. Practical aspects of feeding artificial milk to baby pigs. Feedstuffs 24(40):68-71. Oct.4,1952. 286.81 F322

6422 TINDALL, C. Cheaper gains for hog growers. Mo. Rur. 93(19):4-5,47. Oct.11,1952. 6 R8891
New ideas in feeding.

6423 USTINOV, V. Organization of swine fattening [on collective farms in Krasnodar Territory]. (In Russian.) Kolkhoz. Proizvodstvo 12(8):35. Aug.1952. 281.8 K83

6424 VALDMANIS, A. Importance of vitamin concentrates in raising suckling pigs. (In Latvian.) Latv. PSR Zinātņu Akad. Vest. 5:721-724. 1951. 511 R442
Russian summary.

6425 VAN WYK, H. P. D., VERBEEK, W. A., and OOSTHUIZEN, S. A. Buckwheat in rations for growing pigs. Farming So. Africa 27:399-402. Aug.1952. 24 So842

6426 VESTAL, C. M. Effect of vitamin B_{12}-antibiotic supplement on the fattening of hogs. Amer. Hampshire Herdsman 27(10):62. Oct.1952. 46.8 Am33
Terramycin used.

6427 WEBBER, M. The expansion of the pig industry. 2. The sow and piglets to 16 weeks old. Brit. Farmer 50:3. Aug.30,1952. 281.8 B77
Chiefly feeding.

6428 ZAVORAL, H. G. These little pigs went to market sooner. Pig hatcheries raise weanlings that grow faster on scientifically formulated pig rations. Feed Age 2(9):26-28,52. Sept.1952. 389.78 F327

Veterinary Medicine

6429 BAILEY, J. W. Erysipelas in pigs. Berkshire News 17(12):28. Oct.1952. 46.8 B454

6430 BATCHELDER, R. M. The extent of parasitic damage to livers of swine from four Southern States. Amer. Vet. Med. Assoc. J. 121:292-295. Oct.1952. 41.8 Am3

6431 BOKO, F. A contribution to the study of causes of dwarfness among small pigs due to endoparasites and paratyphoid. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:579-590. Ref. 1952. 41.8 V6494
English summary.

6432 BRUDNJAK, Z., and KRALJ, M. The value of agglutination in diagnosing swine erysipelas. (In Serbo-Croatian.) Vet. Arh. 22:51-59. Ref. 1952. 41.8 V6416
English summary.

6433 CARPENTER, L. E. Arsenicals for control of swine dysentery. Feedstuffs 24(43):26-27. Oct.25,1952. 286.81 F322

6434 CONRAD, M. D. Heatstroke in hogs. Vet. Med. 47:438. Oct.1952. 41.8 M69

6435 DAYKIN, P. W., and LEWIS, E. F. Treatment of sarcoptic mange in a pig by magnesium sulphate solution. Vet. Rec. 64:582-583. Sept.27,1952. 41.8 V641

6436 GIFFORD, C. W. We like the new cholera vaccines. Farm J. 76(10):48. Oct.1952. 6 F2212

6437 GLÄSSER, K. Zu den hauptmängeln der kaiserlichen verordnung von 1899, insbesondere denen des schweines. Berlin. u. Münch. Tierärztl. Wchnschr. 65:201-204. Ref. Oct.1952. 41.8 B45

6438 GLÄTTLI, H. Ein fall von phimose bei einem eber. Schweiz. Arch. f. Tierheilk. 94:525-528. Aug. 1952. 41.8 Sch9
English summary.

6439 GOERTTLER, V. Neuere ergebnisse der rotlaufforschung. Deut. Landwirt. 3:538-540. Oct.1952. 18 D4822
In swine.

6440 GOERTTLER, V. Zur pathogenese, epidemiologie und bekämpfung des rotlaufs. III. Monatsh. f. Vetmed. 7:312-319. Ref. Aug.15,1952. 41.8 M742

6441 GWATKIN, R., and DZENIS, L. Rhinitis of swine. VI. Topical application of streptomycin in artificially infected pigs. Canad. J. Compar. Med. 16:330-332. Sept.1952. 41.8 C162

6442 HAUSER, H. Über transportschädigungen bei mastschweinen. Schweiz. Arch. f. Tierheilk. 94:623-636. Ref. Oct.1952. 41.8 Sch9
English summary.

6443 HOERLEIN, A. B., and LEITH, T. S. Swine brucellosis control in a herd with valuable blood lines. Vet. Med. 47:448-450. Nov.1952. 41.8 M69

6444 HOFFMAN, S. Protection of garbage fed hogs against hog cholera. Allied Vet. 23(5):17-18. Sept./Oct. 1952. 41.8 AL5

6445 HORSTMANN, D. M. Experiments with Teschen disease (virus encephalomyelitis of swine). J. Immunol. 69:379-394. Ref. Oct.1952. 448.8 J8232

6446 HUPKA, E., and BEHRENS, H. Prüfung der verträglichkeit des wurmmittels phenothiazin bei ferkeln und läuferschweinen. Tierärztl. Umschau 7:322-326. Ref. Sept.1952. 41.8 T445

6447 IKOMA, H., and ITO, S. Studies on the prevention of swine kidney worms (Stephanurus dentatus Diesing, 1839). (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:183-199,201-202. Ref. Mar.1952. 49.9 C434
English summary and tables.

6448 KMENT, A., and HALAMA, A. Ergebnisse der hormonalen kastration weiblicher schweine mit stilböstrolpräparaten. Wien. Tierärztl. Monatsschr. 39:521-526. Sept.1952. 41.8 T345
English summary.

6449 KONDO, T. Anthelmintic effect of hexylresorcin against Trichuris suis in swine. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:179-181. Mar.1952. 49.9 C434
English summary and table.

6450 KÖRNYEY, S., and ELEK, P. Histologische untersuchungen zur pathogenese und pathophysiologie der Teschener krankheit (ansteckende schweinelähmung). Acta Vet. 2:143-161. Ref. 1952. 41.8 Ac83

6451 KUBIN, G. Die pentothalnarkose beim schwein. Wien. Tierärztl. Monatsschr. 39:542-545. Sept.1952. 41.8 T345
English summary.

6452 LUKACEVIC, J., BOBALIĆ, M., and MARUŠIĆ, Z. Unexplained sudden death of pigs on two farms in the area of Sava River in Bosnia. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:574-578. 1952. 41.8 V6494
English summary.

6453 MCERLEAN, B. A. Vulvovaginitis of swine. Vet. Rec. 64:539-540. Sept.13,1952. 41.8 V641
Caused by mouldy barley.

6454 MANTHEI, C. A., MINGLE, C. K., and CARTER, R. W. Brucella suis infection in sucking and weanling pigs. I. Amer. Vet. Med. Assoc. J. 121:373-382. Ref. Nov.1952. 41.8 Am3

6455 MERKULOV, V. P., and EPSHTEIN, A. B. A swine erysipelas vaccine of better keeping quality of the Dnepropetrovsk Bio-Factory. (In Russian.) Veterinariia 29(10):27-28. Oct.1952. 41.8 V6426

6456 MOZGOVOĬ, A. A. Experimental clinical study of trichocephalosis in swine. (In Russian.) Veterinariia 29(10):24-27. Oct.1952. 41.8 V6426

6457 MÜLLER, R. H. New hog cholera vaccines. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(13):44-45. June 1952. 49.9 R47

6458 OLIVEIRA, W. P. DE. Prevention and control of hog cholera in Rio Grande do Sul. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(13):21-39. June 1952. 49.9 R47
Includes laws.

6459 O'ROURKE, W. J. Experience with scouring pigs. Vet. Med. 47:482. Nov.1952. 41.8 M69
Use of bacitracin.

6460 POPPENHOUSE, G. C. Hormone treatment of sows and boars. Vet. Med. 47:450. Nov.1952. 41.8 M69

6461 PRATT, D. W. A study of postvaccinal (hog cholera) losses. Amer. J. Vet. Res. 13:526-530. Ref. Oct.1952. 41.8 Am3A

6462 RAKO, A., and others. Über die hormonale kastration und mastleistung bei weiblichen schweinen. Schweiz. Arch. f. Tierheilk. 94:658-670. Ref. Oct.1952. 41.8 Sch9
D. Sokola, V. Bačić, and M. Findrik, joint authors.
English summary.

6463 RAY, J. D. Swine erysipelas. No. Amer. Vet. 33:782-783. Nov.1952. 41.8 N812

6464 ROEMMELE. Dulcin-(süssstoff)vergiftung bei schlachtschweinen. Lebensmitteltierarzt 3:64-65. July 1952. 41.8 L49

6465 ROOTS, E., and VENSKE, W. Serologische und immunogene eigenschaften der Erysipelothrix rhusiopathiae (E. muriseptica). Berlin. u. Münch. Tierärztl. Wchnschr. 65:184-187. (Cont.) Sept.1952. 41.8 B45

6466 ROOTS, E., and VENSKE, W. Serologische und immunogene eigenschaften der Erysipelothrix rhusiopathiae (E. muriseptica). Berlin. u. Münch. Tierärztl. Wchnschr. 65:208-209. (Concl.) Ref. Oct.1952. 41.8 B45

6467 SCHMID, G. Different forms of swine dysentery. Amer. Vet. Med. Assoc. J. 121:391-393. Nov.1952. 41.8 Am3

6468 SCHNEIDER, F. L. Vesicular exanthema in swine. N. Mex. Stockman 17(10):61,63. Oct.1952. 49 N462

6469 SCHWARTZ, B. Parásitos internos del cerdo. Tierra [Mexico] 7:597-599,635. Sept.1952. 8 T445
Mexico.

6470 SHABUROV, M. S. Microbial form of the organism of swine plague. (In Russian.) Veterinariia 29 (7):12-19. July 1952. 41.8 V6426

6471 SHATALOV, V. F., and others. Evaluation of effectiveness of vaccines against swine erysipelas. (In Russian.) Veterinariia 29(7):32-35. July 1952. 41.8 V6426
V. P. Zenkovich, G. A. Bondarev, and N. T. Lunin, joint authors.

6472 SPRENT, J. F. A. Anatomical distinction between human and pig strains of Ascaris. Nature [London] 170:627-628. Oct.11,1952. 472 N21

6473 STUBBS, E. L. Vesicular exanthema of swine. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 128:130-132. Oct.27,1952. 41.9 P386

6474 SULLIVAN, J. F., and SHAW, J. N. Lungworm in swine. No. Amer. Vet. 33:784-785. Nov.1952. 41.8 N812

6475 SZENT IVÁNYI, T. Die typen des rotlaufstäbchens und ihre verbreitung in Ungarn. Acta Vet. 2: 109-120. Ref. 1952. 41.8 Ac83

6476 SZENT IVÁNYI, T. Untersuchungen zum serologischen nachweis des schweinepestvirus. Acta Vet. 2:129-141. 1952. 41.8 Ac83

6477 TESINK, J. Uterine torsion and prolapse of swine. (In Dutch.) Tijdschr. v. Diergeneesk. 77:752-757. Oct.15,1952. 41.8 T431
English summary.

6478 THOMAS, J. E. Acute salt poisoning in swine. Vet. Med. 47:436. Oct.1952. 41.8 M69

6479 URBÁNYI, L. Beiträge zur biochemie des fötallebens. Gestaltung der körperzusammensetzung von schweineföten während ihrer entwicklung. Acta Vet. 2:27-40. Ref. 1952. 41.8 Ac83

6480 VOLKOV, G. D. Experiment in using mass pentothal and thiopental narcosis during castration of young pigs. (In Russian.) Veterinariia 29(7):54-55. July .1952. 41.8 V6426

6481 WHITTLESTONE, W. G. The distribution of fat-globule size in sow's milk. II. The influence of stage of lactation. J. Dairy Res. 19:335-338. Oct.1952. 44.8 J823

6482 WHITTLESTONE, W. G. The physical properties of sow's milk as a function of stage of lactation. J. Dairy Res. 19:330-334. Oct.1952. 44.8 J823

6483 WIESSNER, F., and WIESSNER, W. Über drei einzigartige rotlauf-rezidiven und einen sog. "penicillinversager." Wien. Tierärztl. Monatsschr. 39:549-551. Sept.1952. 41.8 T345

6484 WIMMER, F. X. Kein entschädigungsanspruch bei verspäteter seuchenanzeige, haftung des tierbesitzers für seine dienstleute. Wien. Tierärztl. Monatsschr. 39: 555-558. Sept.1952. 41.8 T345

6485 YOUNG, G. A. A preliminary report on the etiology of edema of newborn pigs. Amer. Vet. Med. Assoc. J. 121:394-396. Nov.1952. 41.8 Am3

6486 ZEHETNER, F. Die wirkung von retalonstäbchen auf die brunst des schweines. Wien. Tierärztl. Monatsschr. 39:526-539. Ref. Sept.1952. 41.8 T345
English summary.

Miscellaneous

6487 BANAKH, M. Practices of leading swine raisers. (In Russian.) Kolkhoz. Proizvodstvo 12(6):32-33. June 1952. 281.8 K83

6488 BECKMAN, H. J. No longer a sideline—most California swinemen devote full time to improving industry. West. Livestock J. 30(42):99-100. July 15,1952. 6 F2278

6489 BIGGAR, A. Rearing pigs out-of-doors. Pig Breeders' Gaz. 71:19,21,23. Oct.1952. 46.8 N21

6490 BRITISH OIL & CAKE MILLS. Final report of the 5th National Pig Litter Test, September 1951-February 1952. London,1952. 27 p. 46.9 B772

6491 BRITISH OIL & CAKE MILLS. Final report of the first BOCM national pig recording competition, September 1950-February 1951. London,1951. 12 p. 46.9 B772N

6492 CHIEFFI, A. Factors for success in swine raising. (In Portuguese.) Rev. dos Criadores 23(7):28. July 1952. 43.8 R32

6493 CHIRKOV, D. I. Raising baby pigs of increased vitality. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:69-72. Mar.1952. 20 D742

6494 DAVIDSON, H. R. Get to the root of the trouble. Farmer & Stock-Breeder 66(3284):49. Sept.30/Oct.1,1952. 10 F228
Preventing fighting in pigs.

6495 DOMMERHOLD, E. J. Het varken [Pigs]. Ed. 2. Doetinchem,Missett,1951. 386 p. 46 D712

6496 FERRIN, E. F. New methods in hog raising. Poland China World 39(10):66,68. Oct.1952. 46.8 Sw62

6497 FOLKS, J. Providing right facilities for swine isn't difficult but are you doing everything you can to care for yours? Fla. Cattleman 17:66. Oct.1952. 43.8 F66

6498 HANSON, D. Good management—key to success with substitute sow's milk. Successful Farming 50(10):48-49,84,86-87. Oct.1952. 6 Su12

6499 MCMEEKAN, C. P. Pig production, breeding and management. Christchurch,Whitcombe & Tombs, 1951? 166 p. 281.346 M22

6500 MCMILLAN, T. J. Pig judging. Pig Breeders' Gaz. 71:39,41,43. Oct.1952. 46.8 N21

6501 MINZHULINA, E. 5843 kilograms of baby pig production per sow in a year. (In Russian.) Kolkhoz. Proizvodstvo 12(9):38-39. Sept.1952. 281.8 K83

6502 MURPHY, L. W. Hogs given anesthetic for easy kill. Natl. Provisioner 127(16):112-113. Oct. 18,1952. 286.85 N21
Use of carbon dioxide.

6503 NILSSON, H., ORBORN, A., and HELLBERG, A. Svinskötsel [Raising pigs]. Ed. 4. Stockholm,LTs Förlag, 1951. 165 p. 46 N59

6504 SAJA CARCEDO, F. DE. La cartilla del productor de ganado porcino. Vitoria,1952. 174 p. 46 Sa2

6505 SLATER, L. E. Hormel perfects painless kill. Food Engin. 24(10):90-92. Oct.1952. 389.8 F737
Carbon dioxide for anesthetizing swine before slaughter.

6506 SWEM, E. R. Hogs put to sleep for easy kill. Natl. Provisioner 127(14):8-12. Oct.4,1952. 286.85 N21
Anesthetizing with carbon dioxide.

6507 TROG, W. Die edelschweine in Westerstede und Oldenburg. Landwirtbl. Weser-Ems 99:980-981. Sept.25,1952. 18 L2345
Shows.

ENTOMOLOGY

GENERAL

6508 BATIASHVILI, I. D. Opredelitel' nasekomykh po povrezhdeniiam kul'turnykh rastenii [A key to the identification of insects by injuries caused to cultivated plants]. Ed. 3, rev. and enl. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 604 p. 423 B323

6509 BRELAND, O. P. Parasite puzzles. Frontiers 17:18-19. Oct.1952. 410 F92
Includes insects as parasites and as hosts.

6510 BRETHERTON, R. F. Blocks versus boards. Ent. Rec. & J. Variation 64:260-261. Sept.1952. 421 En89

6511 BUDDENBROCK, W. VON., and MOLLER-RACKE, I. Neues zur optomotorik der insekten. Experientia 8:392-393. Oct.15,1952. 475 Ex7
English summary.

6512 CHAO, Y. C., and PETERSON, A. A new type of aspirator. J. Econ. Ent. 45:751. Aug.1952. 421 J822

6513 COIFFAIT, H. Quelques données actuelles sur l'écologie et l'éthologie des arthropodes cavernicoles terrestres et endogés. Soc. d'Hist. Nat. de Toulouse. B. 86:125-130. May 30,1951. 505 T64

6514 DECOURSEY, J. D., and WEBSTER, A. P. Inhibition of growth of a mold quantitated to demonstrate the effect in insect specimen boxes. N. Y. Ent. Soc. J. 60:183-188. Sept.1952. 420 N48J

6515 DOWDESWELL, W. H. Animal ecology. London,Methuen,1952. 207 p. Ref. 411 D75
Includes insects.

6516 EDNEY, E. B. Body-temperature of arthropods. Nature [London] 170:586-587. Oct.4,1952. 472 N21

6517 FRACKER, S. B. Papers on entomological and phytopathological subjects, 1913-1951. Washington, 1952. 14 p. 241.7 Sm6
Bibliography.

6518 GAUL, A. T. Audio mimicry: an adjunct to color mimicry. Psyche 59:82-83. June 1952. 421 P95

6519 GRASSE, P. P. L'effet de groupe dans les sociétés animales. Gaz. Apic. 53:108-110. Apr.1952. 424.8 G25
Includes insects.

6520 HUGHES, G. M. Differential effects of direct current on insect ganglia. J. Expt. Biol. 29:387-402. Ref. Sept.1952. 442.8 B77

6521 JANMOULLE, E., and BERGER, L. A. Remarques sur la faune belge. Lambillionea 52:35-36. (Cont.) May 25/June 25,1952. 420 N15

6522 JONES, H. T. Insects and spiders. London, Warne,1952. 72 p. (Nature Field Series 3) 409.5 J71

6523 LAGARRIGUE, J. Biotes cavernicoles recueillis dans la Perte du Crès (Aveyron). Soc. d'Hist. Nat. de Toulouse. B. 86:338-340. Dec.30,1951. 505 T64

6524 LECLERCQ, M. Inventaire faunistique d'un égoût. Soc. Ent. de Belg. B. et Ann. 88:111-112. Apr.29, 1952. 420 B41

6525 MORRISON, C. Insects that walk on water. Country Life [London] 112:837. Sept.19,1952. 80 C83

6526 RATKOVICH, M. Corresponden a un fenomeno todavia no del todo aclarado las migraciones de insectos. Mundo Agr. 4(39):69-70. Aug.1952. 9 M92

6527 RATZERDORFER, C. Volumetric indices for the parts of the insect brain. A comparative study in cerebralization of insects. N. Y. Ent. Soc. J. 60:129-152. Ref. Sept.1952. 420 N48J

6528 SAMPAIO, D. F. F. Observations on the collection, preparation, and storage of insects. (In Portuguese.) Gaz. do Agr. 4:171-175. July 1952. 24 G25

6529 SANKEY, J. H. P. The winter macro-fauna of an old pine stump on heathland. Ent. Mon. Mag. 88:223-224. Oct.1952. 421 En86

6530 SCHILLER, H. Entomologie und öffentlichkeit. Ent. Z. 62:94-96. Sept.15,1952. 421 En85

6531 SCHMIDT, E. Philatelistischer entscheid einer nomenklaturfrage? Ent. Z. 62:81-82. Sept.1,1952. 421 En85

6532 SMITH, K. M., and XEROS, N. Transmission of polyhedral viruses between different insect species. Nature [London] 170:492. Sept.20,1952. 472 N21

6533 TITSCHACK, E., ed. Beiträge zur fauna Perus. Nach der ausbeute der Hamburger Südperu-expedition 1936, anderer sammlungen, wie auch auf grund von literaturangaben. Jena,Fischer,1951. 403 p. 411.3 T53
Includes insects.

6534 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Directory of the Bureau of Entomology and Plant Quarantine. Washington?1952? 87 p. 1.9 En86Di

6535 VAGO, C. Le role des microbes de l'intérieur des oeufs d'insectes en vue de l'emploi de ces derniers comme milieux vivants. Soc. d'Hist. Nat. de Toulouse. B. 86:252-258. Ref. May 30,1951. 505 T64

6536 WAUTIER, J. Un aspect particulier de la dynamique des biocoenoses, le rythme d'activité. Soc. d'Hist. Nat. de Toulouse B. 86:69-72. Ref. May 30,1951. 505 T64
Mainly insects.

6537 WEIDNER, H. Insektenleben im Bernsteinwald. Ent. Z. 62:62-64,88. (Concl.) July 15,Sept.1,1952. 421 En85

GENERAL - ECONOMIC

6538 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. NORTH CENTRAL STATES BR. Proceedings of seventh annual meeting. March 27-28, 1952, St. Paul, Minn. J. Econ. Ent. 45:753-755. Aug. 1952. 421 J822

6539 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. SOUTHWESTERN BR. Proceedings of the second annual meeting, San Antonio, Texas, Feb. 28-29, 1952. J. Econ. Ent. 45:759-761. Aug.1952. 421 J822

6540 ANDREWS, J. M. Household insecticides:their role in public health. Soap & Sanit. Chem. 28(9):135-138, 167. Ref. Sept.1952. 307.8 So12
Mosquito and fly control.

6541 BANGHAM, W. J. Pirenona: nuevo insecticida no tóxico. Bolsa de Com. Rosario. Rev. 40(975):7-8. Aug.31,1952. 287 R71

6542 BEAL, J. A. Forest insects of the Southeast: with special reference to species occurring in the Piedmont plateau of North Carolina. Duke U. Sch. Forestry. B. 14,168 p. Ref. Mar.1952. 99.9 D88

6543 BEAULIEU, A. A., and PETCH, C. E. The control of orchard insects in 1952. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 1951:71-76. 1952. 82 Q3

6544 BEAULIEU, A. A., and PETCH, C. E. Summary report of orchard insect studies in 1950. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:53-63. 1950,pub.1951. 82 Q3

6545 BEL'SKIĬ, N. V., and CHMUTOVA, A. P. Importance of birds in protecting the vegetation in the Principal Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 9:93-103. Ref. 1951. 451 M854

6546 BELYEA, R. M. Death and deterioration of balsam fir [Abies balsamea] weakened by spruce budworm [Choristoneura fumiferana] defoliation in Ontario. II. An assessment of the role of associated insect species in the death of severely weakened trees. J. Forestry 50: 729-738. Ref. Oct.1952. 99.8 F768

6547 BERMUDEZ, R. R. La polinización y sus cooperadores: los insectos, el viento, el agua. Guatemala, Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):18-19. July/Dec.1950,pub.July 10,1952. 8 G934

6548 BODENHEIMER, S. Ecological aspects of forest entomology. (In Hebrew.) La-Yaaran 2:57-60. July 1952. 99.9 So19
English summary, p.86-85.

6549 BOLLOW, H. Abwehr und bekämpfung der nahrungsmittelschädlinge des haushaltes. Pflanzenschutz 4:86-89. July 1952. 464.8 P48

6550 BOLLOW, H. Die nahrungsmittelschädlinge im haushalt. Pflanzenschutz 4:55-64. May 1952. 464.8 P48

6551 BOSSE, G. H. C. Versuche mit einem neuartigen schädlingsbekämpfungsmittel im gartenbau. Höfchen-Briefe 5:81-89. 1952. 464.8 H67
Systox.

6552 BRANNON, C. H. Insect problems and other observations from North Carolina. Amer. Rose Mag. 10(9):11-13. Sept.1952. 80 Am327A

6553 BRENY, R. La défense des cultures. X. Les huiles et autres insecticides: D. N. O. C. B. Hort. (n.s.)7:251-257. Sept.1,1952. 80 B873

6554 BRENY, R. La défense des cultures. IX. Les phosphates organiques: l'H.E.T.P., le T.E.P.P. et le E.605. B. Hort. (n.s.)7:227-233. Aug.1952. 80 B873
Insect control.

6555 BRUNNER, E. Erfahrungen mit schwefelkohlenstoff in reben-neuanlagen. Bauern-Ztg. 5(40):6. Oct. 3,1952. 18 B324
Pest control.

6556 BRYAN, A. H. Ancient Chinese insect therapy in human and veterinary practice. Vet. Med. 47:461-462, 466. Nov.1952. 41.8 M69

6557 BURKS, B. D. Insects and their enemies. Org. Farmer 4(3):24-25,47-50. Oct.1952. 57.8 Or3

6558 BUTCHER, F. G. Some observations on various insects found on fruit and ornamentals in the Miami area. Fla. State Hort. Soc. Proc. 64:251-254. 1951,pub.1952. 81 F66

6559 CAMERON, J. W. M. A survey of investigations on the diseases of insects. Ent. Soc. Ontario. Annu. Rpt. 82:7-14. Ref. 1951,pub.1952. 420 On8
Utilization of viruses for control.

6560 CANADA. DEPT. OF AGRICULTURE. SCIENCE SERV. DIV. OF ENTOMOLOGY. Summary of parasite and predator liberations in Canada in 1951. Canad. Insect Pest Rev. 30:174-187. Sept.1952. 423.92 C16C

6561 CHEMICAL warfare on the farm front; products from the scientist's test tubes spearhead the farmer's attack on agricultural pests. Farm Mangt. 1(6): 39-40,42-45. Sept./Oct.1952. 281.8 F2225

6562 CHIESA MOLINARI, O. Tratamientos invernales en la huerta. Pampa Argentina 25(296):16. Aug. 1952. 9 P19
For insect control.

6563 CHIESA MOLINARI, O. Tratamientos primaverales en el jardin. Pampa Argentina 25(297):4,25. Sept.1952. 9 P19
Insect control.

6564 CLARK, P. J., and others. DDT and arsenic residues on fruit. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:209-212. Aug.1952. 514 N48A
E. L. Richards, G. G. Taylor, and H. Jacks, joint authors.
Pest control of tomatoes, beans and apples.

6565 CLARK, P. J., and others. Note on D. D. T. residues on cabbages. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:226-227. Aug.1952. 514 N48A
E. L. Richards, G. G. Taylor and H. Jacks, joint authors.
Insect control.

6566 COSTA, R. G. Disinfestation and protection of stored products. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:101-106. Apr./June 1952. 9.2 R325
Brazil.

6567 DAVIS, J. J. Careers in entomology. Pest Control 20(9):18. Sept.1952. 449.8 Ex8

6568 DAVIS, J. J. Fireplace logs, an annoying source of insects. Pest Control 20(10):19-20. Oct.1952. 449.8 Ex8

6569 DESMARTEAU, R., and CARON, O. Three years experiment in spraying against red mite [Paratetranychus pilosus] and scab [Venturia inaequalis]. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:36-38. 1950,pub.1951. 82 Q3

6570 DODGE, A. A. Uses and formulations of some synthetic organic insecticides. Amer. J. Pharm. 124: 251-263. Ref. Aug.1952. 396.8 Am3

6571 DOWDY, A. C., and SLEESMAN, J. P. Systemic poisons on vegetable crops. J. Econ. Ent. 45:640-643. Aug.1952. 421 J822

6572 DUDLEY, J. E., JR., LANDIS, B. J., and SHANDS, W. A. Control of potato insects. U. S. D. A. Farmers' B. 2040,52 p. July 1952. 1 Ag84F

6573 DUFFIELD, P. C. Combination insecticide-fungicide seed treatments for corn. J. Econ. Ent. 45: 672-674. Aug.1952. 421 J822

6574 DVORETSKAIA, E. I. Effect of insect pests on drought resistance of tree and shrub species. (In Russian.) Lesn. Khoz. 5:67-71. Jan.1952. 99.8 L5622

6575 EDINBURGH. PUBLIC HEALTH DEPT. Annual report for the year 1951. Edinburgh,1952. 187 p. 449.75 Ed4
Includes insect control and food sanitation.

6576 EFREMOVA, N. I., and KHOKHLOV, D. N. Green oil as a solvent of synthetic insecticides in the aerosol method of controlling storage pests. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):37-39. Ref. 1952. 20 Ak1

6577 ENDRIGKEIT, A. Neue verfahren zur insektenbekämpfung im gemüsebau. Gesunde Pflanzen 4:240-242. Sept.1952. 464.8 G33

6578 ENTOMOLOGICAL SOCIETY OF ONTARIO. Eighty-second annual report, 1951. Toronto,1952. 124 p. 420 On8

6579 EVANS, J. W. The injurious insects of the British Commonwealth (except the British Isles, India and Pakistan), with a section on the control of weeds by insects. London,Commonwealth Inst. Ent.,1952. 242 p. 423 Ev12

6580 THE FARM where crops are grown for pests. Rohm & Haas Rptr. 10(4):12-16. 381 R63
Research in pest, disease, and weed control on the Rohm & Haas Company farm.

6581 FRANKLIN, H. J. Cranberry insects in Massachusetts. Mass. Agr. Expt. Sta. B. 445(sup.),15 p. June 1952. 100 M38H

6582 FRANSEN, J. J. Starrflugzeuge zur schädlingsbekämpfung. Gesunde Pflanzen 4:251. Sept.1952. 464.8 G33

6583 FREE, M. Tuck a towel around their necks, and dunk your house plants. Home Gard. 20(4):60-61. Oct.1952. 80 H756
Insecticide application.

6584 FREY, W. Woll- und pelzschädlinge. Biol. Bundesanst. Braunschweig. Flugbl. O7,12 p. Mar.1952. 464.9 B833
Insects.

6585 FRICKHINGER, H. W. Innere therapie im pflanzenschutz. Deut. Apoth-Ztg. 92:704. Sept.12,1952. 396.8 Su2
Systemic insecticides.

6586 FUKUDA, J., and YOKOZAWA, Y. On the effectiveness of organic insecticides upon the injurious insects of various fruit trees. (In Japanese.) Hort. Assoc. Japan. J. 21:3-13. June 1952. 87 H78
English summary.

6587 GÄBLER, H. Kiefernstreuuntersuchungen auf schadinsekten. New ed. Radebeul,Neumann,1951. 20 p. 423 G113K

6588 GÄBLER, H. Schädliche und nützliche insekten des waldes. Ed. 2. Radebeul,Neumann,1951. 96 p. 423 G113

6589 GALLEY, R. A. E. The place of dinitrophenols and organophosphorus compounds in agriculture. Roy. Soc. Med. Proc. 45:567-569. Sept.1952. 448.9 R814

6590 GEORGIA ENTOMOLOGICAL SOCIETY. Minutes of the sixteenth annual spring meeting, Savannah Hotel, Savannah, Ga. March 7-8, 1952. J. Econ. Ent. 45: 756-758. Aug.1952. 421 J822

6591 GEREBTZOFF, M. A., and PHILIPPOT, E. La réaction plasmocytaire dans l'intoxication des mammifères par le DDT et par le diphénylméthane. Experientia 8:395-396. Ref. Oct.15,1952. 475 Ex7
English summary.

6592 GIANNOTTI, O., and LEPAGE, H. S. Concentrated dusts of various insecticides for the control of some cotton pests. (In Portuguese.) Biológico 18:73-82. May 1952. 442.8 B529

6593 GOIDANICH, A. Biological and economic problems posed by insects injurious to poplars. (In Italian.) Cong. Naz. di Pioppicolt. Atti 1951:19-30. 99.9 C76913

6594 GOMEZ CLEMENTE, F., and PLANES GARCIA, S. Los insecticidas en el tratamiento de las plagas, de interes para la economia valenciana. Spain. Inst. Nac. de Invest. Agron. B. 12:105-113. June 1952. 105.6 Sp14

6595 GRAHAM, C. Control of peach insects with dilute and concentrated sprays. J. Econ. Ent. 45:738-739. Aug.1952. 421 J822

6596 GRANDORI, R. Damage from parasites in the Padua Delta. (In Italian.) Riso 1(7):30. Aug.1952. 59.8 R49

6597 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. PEST INFESTATION RESEARCH BOARD. Report for the year 1951. London, 1952. 36 p. 423.92 G792

6598 GT. BRIT. FUNGICIDE AND INSECTICIDE RESEARCH CO-ORDINATION SERV. Annual report for the year 1951. London,1952. 13 p. 464.9 G793

6599 HARRIS, K. L., and NICHOLSON, J. F. Evaluation of X-ray inspection techniques for insect damage to wheat. (Adapted.) Nowest. Miller (Milling Prod. Sect.) 248(20):8a-11a. Nov.11,1952. 298.8 N81

6600 HELLYER, A. G. L. New ways of killing plant pests. Country Life [London] 112:840-841. Sept. 19,1952. 80 C83

6601 HEMING, W. E. The effect of DDT spray applications on alsike seed production in southern Ontario. Ent. Soc. Ontario. Annu. Rpt. 82:85-91. 1951,pub. 1952. 420 On8

6602 HERRBACH, E. J. Cankerworms, red spiders, and scale insects. Arborist's News 17:78-81. Sept.1952. 99.8 Ar14
Alsophila pometaria, Paleacrita vernata, Tetranychus bimaculatus and various scale insects.

6603 HERVEY, G. E. R., and VITTUM, M. T. Insect control increases cabbage yields—checks bursting. Farm Res. [N. Y. State Sta.] 18(3):16. July 1952. 100 N48A

6604 HOPKINS, L., GYRISCO, G. G., and NORTON, L. B. Effects of sun, wind and rain on DDT dust residues on forage crops. J. Econ. Ent. 45:629-633. Ref. Aug. 1952. 421 J822

6605 HORI, S., and IIJIMA, K. Engei byo, gai-chu no fusegikata [Protection of plants from injurious insects and diseases]. Tokyo,Seibundo Shinkosha,1951. 379 p. (Eino Sosho (Collection on Agricultural Management) 464.4 H782

6606 HUBERT, K. Die bekämpfung der vor winter auftretenden pflanzenschädlinge. Deut. Landwirt. 3: 463-465. Sept.1952. 18 D4822

6607 HUNT, C. R. Insect control in the western Montana district. Crystal-ized Facts Sugar Beets 6(4): 16-17. Oct.1952. 66.8 C88

6608 INSTITUTO DE FOMENTO ALGODONERO. Plagas del algodon en Colombia. Rev. Nac. de Agr. 46 (568):11-13,15-17,19-21,23-25,27-29,31-33. Aug.1952. 9.4 R32

6609 JAHN, E. Forstschädlingsauftreten in Tirol im jahre 1951. Österr. Vrtljahresschr. f. Forstw. 93:94-104. 1952. 99.8 Oe8

6610 JEPPSON, L. R., JESSER, M. J., and COMPLIN, J. O. Tree trunk application as a possible method of using systemic insecticides on citrus. J. Econ. Ent. 45:669-671. Ref. Aug.1952. 421 J822

6611 KAY, K. Safety research on parathion in the apple orchards of St. Hilaire and Rougemont. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 1951: 58-70. Ref. 1952. 82 Q3

6612 KOCH, M. Neues verfahren zur bekämpfung waldbaulicher schädlinge. Wien. Ent. Gesell. Z. 36:178-181. Dec.31,1951,pub.June 30,1952. 421 Os7

6613 KUITERT, L. C. Insect control on ornamental plants of the home garden. Fla. State Hort. Soc. Proc. 63:206-209. 1950,pub.1951. 81 F66

6614 LEWTHWAITE, R. The typhus group of fevers. Brit. Med. J. 4788:826-828; 4789:875-876. Oct.11-18, 1952. 448.8 B77
Includes mites, ticks, lice and fleas as vectors.

6615 MACNAY, C. G. Summary of the more important insect infestations and occurrences in Canada in 1951. Ent. Soc. Ontario. Annu. Rpt. 82:91-115. 1951,pub. 1952. 420 On8

6616 MARTIN, J. T. Agricultural insecticides. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:684-692. Ref. 1951. 382 M31R

6617 MATSUZAWA, H. On some injurious insects of "Sengiridaikon," the dried pieces of garden-radish. (In Japanese.) Kyushu Noji Shikinjo 8:117-118. Oct.1951. 107.6 K996

6618 MATSUZAWA, H. On the flower loving insects of the cruciferous vegetables and their activities. (In Japanese.) Kyushu Noji Shikinjo 8:115-116. Oct.1951. 107.6 K996

6619 MATVEENKO, T. M. Utilization of DDT dusts and suspensions for controlling pests of tobacco raw material in storehouses. (In Russian.) Tabak 13:41-43. Ref. Jan./Feb.1952. 69.8 T112

6620 MAY, A. W. S. Apple pest control in the Granite Belt. Queensland Fruit & Veg. News 2(36):3-5. July 18,1952. 280.38 Q3

6621 MAYER, A. Modern methods of pest control adopted in Germany, with particular consideration to lindane products. (In Portuguese.) (Sum.) Rev. Agron. [Porto Alegre] 16:133-136. Apr./June 1952. 9.2 R325

6622 METCALF, R. L. Insects v. insecticides. Sci. Amer. 187(4):21-25. Oct.1952. 470 Sci25

6623 MILLER, L. W. The importance of insects in food production. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:221-223. Aug.1952. 23 T182T
Insect pest control.

6624 NIKIFOROV, A. Aerosol method of controlling injurious insects [in storage and on livestock]. (In Russian.) Kolkhoz. Proizvodstvo 12(9):57. Sept.1952. 281.8 K83

6625 NOLTE, H. W. Krankheiten und schädlinge der olfrüchte. Radebeul,Neumann,1951. 64 p. Ref. 464.09 N72

6626 OKUDAI, S. Ecological studies of the suctorial insects injurious to peach fruits and their control. (In Japanese.) Hort. Assoc. Japan. J. 21:14-24. June 1952. 87 H78

6627 ORR, R. T. Selling insecticides to food plants. Soap & Sanit. Chem. 28(10):147-148. Oct.1952. 307.8 So12
Dissemination of advice on insect control.

6628 OSMUN, J. V. Do fog machines give residual control? Pest Control 20(9):12,14,16. Sept.1952. 449.8 Ex8

6629 OTANES, F. Q. The control of plant pests and diseases in the Philippines. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half century of Philippine agriculture, p.10-32. Ref. Manila, Graphic House,1952. 37 P533

6630 OWENS, H. B., and DITMAN, L. P. Liquefied gas-propelled sprays for the home garden. J. Econ. Ent. 45:602-607. Aug.1952. 421 J822

6631 PADII, N. N. Seed pests of [Siberian] larch in Ukrainian SSR. (In Russian.) Lesn. Khoz. 5:71-73. Jan. 1952. 99.8 L5622
Chortophila laricicola, Megastigmus seitneri, and Dioryctria abietella.

6632 PEACOCKE, N. E. Control of plant pests in the Caribbean area. Caribbean Comn. Inform. Mon. B. 6:55-56. Oct.1952. 280.9 C19

6633 PETCH, C. E., and BEAULIEU, A. A. New insecticides and acaricides. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:100-106. 1950,pub. 1951. 82 Q3

6634 PETRUKHA, O. I. Vrediteli i bolezni sakharnoi svekly [Pests and diseases of sugar beets]. Moskva, Gos. Izd-vo Selkhoz Lit-ry,1952. 255 p. 423 P443

6635 POLLAK, S. W. Food we never eat. New Statesman & Nation 44:442-443. Oct.18,1952. 280.8 N2132
Food losses through plant injuries and pests.

6636 PORTMAN, R. W., and BARR, W. F. Alfalfa and clover pests in Idaho. Idaho. Agr. Col. Ext. C. 122, 8 p. Aug.1952. 275.29 Id13C

6637 PRATT, E. A. Keds, lice, and mites in sheep. New Zeal. J. Agr. 85:209,211-212. Sept.15,1952. 23 N48J

6638 PRATT, R. M. Forecasting citrus insect infestations. Fla. Grower 60(11):21. Nov.1952. 80 F6622

6639 PURSWELL, H. D. Fall and winter insects and their control. Dixie Co-op News 3(3):6. Oct.1952. 280.28 D64

6640 QUEBEC SOCIETY FOR THE PROTECTION OF PLANTS. PERMANENT COMMITTEE OF FRENCH NAMES. Liste officielle des noms français des insectes d'importance économique au Canada. Official list of the French names of insects of economic importance in Canada. Ed. 2. Québec,Dept. Agr.,1952. 73 p. 422 Q3

6641 REYES, M. A. El uso y aplicación de los insecticidas. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):7-9. July/Dec.1950,pub.July 10,1952. 8 G934

6642 SAFONOV, A. G. In regard to the possibility of using a surface film of a kerosene mixture as a measure for controlling [aquatic] insects—pests of fish. (In Russian.) Zool. Zhur. 31:538-543. July/Aug.1952. 410 R92

6643 SCHOOF, H. F. The attached bait pan fly trap. J. Econ. Ent. 45:735-736. Aug.1952. 421 J822

6644 SCHRADER, G. Die entwicklung neuer insektizide auf grundlage organischer fluor- und phosphorverbindungen. Höfchen-Briefe 5:45-57. 1952. 464.8 H67

6645 SCHUPPON, R. Les esters phosphoriques (parathion, sulphos, S. N. P., etc.); leur emploi comme insecticides en agriculture. Elevage et Cult. 4(44):16-17. Aug.1952. 24 EL2

6646 SHEPARD, H. H. Pesticide outlook for '53. Farm Chem. 115(10):31,33,35. Oct.1952. 57.8 Am3
Chiefly insecticides.

6647 SIMMONS, J. S., and others. Global epidemiology, a geography of disease and sanitation. Volume 2. Africa and the adjacent islands. Philadelphia,Lippincott, 1951. 652 p. 448 Si42G
T. F. Whayne, G. W. Anderson, and H. M. Horack, joint authors.
Includes diseases spread by arthropods and nutritional diseases.

6648 SMIT, B. The application of insecticides in South Africa. So. African Indus. Chem. 6:127-128. June 1952. 385 So8

6649 SMITH, C. L. Field tests of insecticides against ectoparasites of poultry. J. Econ. Ent. 45:748-749. Aug.1952. 421 J822

6650 SMITH, N. F. Forest pest detection. Mich. Conserv. 21(5):11-14. Sept./Oct.1952. 279.9 M582

6651 STRASZEWSKA, S. Protection du bois contre les insectes xylophages. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:809-816. Sept.1952. 24 K83

6652 TANAMI, Y. Kiseichu no chishiki to kuhoho [Knowledge of parasites and protection]. Tokyo,Ninomyia Shobo,1951. 154 p. (Sekijuji Hoken Shinsho) 449.1 T15

6653 THAMES, W. H., JR. The use of insecticides for control of soil borne insects. Fla. State Hort Soc. Proc. 64:115-117. 1951,pub.1952. 81 F66

6654 THOMSON, A. G. Natural factors in the control of insect pests. Westralian Farmers Co-op Gaz. 23(404):31,33,35. July/Aug.1952. 280.28 W522
Insect populations.

6655 THULLBERY, H. A., and others. Panel on parathion. Fla. State Hort. Soc. Proc. 63:68-89. 1950. pub.1951. 81 F66

6656 TIENSUU, L. Nach Finnland eingeschleppte vorratsinsekten. (In Finnish.) Suomen Hyönteistieteellinen Aikakausk. 17:148-153. Ref. 1951. 421 Su7
German summary.

6657 TOYAMA, Y., and KUBOTA, F. An experiment on the amount of damage by the injurious insects to the soybean of the autumn type in Miyasaki Prefecture. (In Japanese.) Kyushu Noji Shikinjo 8:113-114. Oct.1951. 107.6 K996

6658 TUMMINELLO, M. Organic phosphate insecticides in tobacco culture. (In Italian.) Tabacco 56:218-221. July 1952. 69.8 T115

6659 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of Jamaica, British West Indies. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 547,rev.,4 p. Aug.20,1952. 1.9 F73

6660 U. S. PRODUCTION AND MARKETING ADMIN. Save farm grain by fumigation. Washington,1952. 2 p. 1.956 A2Sa1
Insect control in stored grain.

6661 VAN RENSBURG, R. Common house pests. Woman & Her Home 4:165-168. July 1952. 321.8 W843
Insects.

6662 VINOGRADOV, P. V. Combating the pests of Setaria italica. (In Russian.) Selek. i Semen. 19(4):70-75. Apr.1952. 61.9 Se5

6663 VRYDAGH, J. M. Les principaux ravageurs des cotonniers dans le nord du Congo belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:838-868. Ref. Sept.1952. 24 K83
Insect pests.

6664 WEST, T. F., and CAMPBELL, G. A. DDT and newer persistent insecticides. Ed. 2. New York,Chem. Pub.,1952. 632 p. 423 W524

6665 WEYER, F., and ZUMPT, F. Grundriss der medizinischen entomologie. Ed. 3, rev. Leipzig,Barth, 1952. 150 p. Ref. 423.2 W54

6666 WILSON, J. W. Preliminary investigations of systemic insecticides. Fla. State Hort. Soc. Proc. 64: 117-119. 1951,pub.1952. 81 F66

6667 WOLFENBARGER, D. O., and KELSHEIMER, E. G. Fertilizer-insecticide combination for armyworm [Cirphis unipunctata], mole-cricket and wireworm control. Fla. State Hort. Soc. Proc. 63:93-95. 1950,pub. 1951. 81 F66

INSECTICIDES

6668 ALEKSEEVA, A. A. Effect of DDT and benzene hexachloride dusts on the wool of fine-wooled sheep. (In Russian.) Sovet. Zootekh. 7(5):77-83. May 1952. 49 So822

6669 BEARD, R. L. Effect of sub-lethal doses of toxicants on susceptibility of insects to insecticides. J. Econ. Ent. 45:561-567. Ref. Aug.1952. 421 J822

6670 BIDSTRUP, P. L. Clinical aspects of poisoning by dinitro-ortho-cresol. Roy. Soc. Med. Proc. 45: 574-575. Ref. Sept.1952. 448.9 R814

6671 BIDSTRUP, P. L. Clinical aspects of poisoning by organic phosphorus insecticides. Roy. Soc. Med. Proc. 45:572-573. Ref. Sept.1952. 448.9 R814

6672 BLACKITH, R. E. Stability of contact insecticides. III. Allethrin, DDT and BHC in ultra-violet light. J. Sci. Food & Agr. 3:482-487. Ref. Oct.1952. 382 So12

6673 BRY, E. O., JR. Insecticides and fish life. N. Dak. Outdoors 15(3):7. Sept.1952. 412.9 N815

6674 CASIDA, J. E., CHAPMAN, R. K., and ALLEN, T. C. Relation of absorption and metabolism of octamethylpyrophosphoramide by pea plants to available phosphorus. J. Econ. Ent. 45:568-578. Ref. Aug.1952. 421 J822

6675 CROMBIE, L. The structure of an insecticidal isobutylamide from pellitory root. Chem. & Indus. 42: 1034-1035. Oct.18,1952. 382 M31C

6676 DAVIES, D. R. The effect of organo-phosphorus insecticides on enzymes. Roy. Soc. Med. Proc. 45:570-571. Ref. Sept.1952. 448.9 R814

6677 DYKE, G. V., and SIMPSON, E. P. The chemical analysis of pyrethrum. Appl. Statis. 1:95-105. June 1952. 251 Ap5

6678 ENDERS, A., and RUF, H. Die wirkung des parathions auf das zentralnervensystem. Arch. Internatl. de Pharmdyn. et de Thér. 90:175-184. Ref. July 1, 1952. 448.8 Ar226

6679 FAHEY, J. E., HAMILTON, D. W., and RINGS, R. W. Longevity of parathion and related insecticides in spray residues. J. Econ. Ent. 45:700-703. Aug.1952. 421 J822

6680 FINNEY, D. J. Probit analysis: a statistical treatment of the sigmoid response curve. Ed. 2. Cambridge,Eng.,U. Press,1952. 318 p. 325 F498
Results of bioassays with insecticides and insect repellents.

6681 GRIFFITHS, J. T., and others. Health status of parathion when used on citrus in 1951. Fla. State Hort. Soc. Proc. 64:79-82. 1951,pub.1952. 81 F66
J. W. Williams, C. R. Stearns, and W. L. Thompson, joint authors.

6682 HAZLETON, L. W. Pharmacology and foods, drugs, and cosmetics. Drug & Cosmetic Indus. 71:324-325,418-420. Sept.1952. 396.8 D842
Federal regulation of chemicals with special attention to insecticides.

6683 HOFSTEN, C. G. VON. Don't blame everything on chemicals. (In Swedish.) Lantmannen 36:767-769. Sept.27,1952. 11 L234
Chiefly insecticides.

6684 JACKSON, W. B. Populations of the wood mouse (Peromyscus leucopus) subjected to the applications of DDT and parathion. Ecol. Monog. 22:259-281. Ref. Oct.1952. 410 Ec72

6685 JACOBSEN, A. C. B. The chemistry of insecticides. So. African Indus. Chem. 6:125-127. June 1952. 385 So8

6686 JONES, H. A., ACKERMANN, H. J., and WEBSTER, M. E. The colorimetric determination of piperonyl butoxide. Assoc. Off. Agr. Chem. J. 35:771-780. Ref. Aug.15,1952. 381 As7

6687 JUDAH, J. D. Mode of action of the nitrophenols. Roy. Soc. Med. Proc. 45:574. Sept.1952. 448.9 R814

6688 KAY, K., and others. Parathion exposure and cholinesterase response of Quebec apple growers. Arch. Indus. Hyg. & Occup. Med. 6:252-262. Sept.1952. 449.8 Ar24
L. Monkman, J. P. Windish, T. Doherty, J. Paré, and C. Racicot, joint authors.

6689 KINGSCOTE, A. A., and others. Studies on the toxicity of warble spray mixtures to cattle, sheep and swine. Ent. Soc. Ontario. Annu. Rpt. 82:37-47. 1951,pub. 1952. 420 On8
A. W. Baker, J. K. McGregor, and S. E. Dixon, joint authors.
Rotenone or derris.

6690 KNIGHT, G. F. What are pesticides doing to human beings? Mod. Nutr. 5(9):11-16. Sept.1952. 389.9 Am352

6691 LANGENBECK, W., LOSSE, G., and FÜRST, H. Untersuchungen zur steigerung des gammexangehaltes im hexachlorzyklohexan-rohwirkstoff. Chem. Tech. 4: 247-251. Ref. June 1952. 384 C4283

6692 LORD, K. A., and others. Chromatographic separation of the pyrethrins. J. Sci. Food & Agr. 3:419-426. Ref. Sept.1952. 382 So12
J. Ward, J. A. Cornelius, and M. W. Jarvis, joint authors.

6693 MILLS, H. R. Death in the Florida marshes. Audubon Mag. 54:285-291. Sept./Oct.1952. 413.8 B53
From DDT.

6694 NANGNIOT, P. Le dosage de l'isomère gamma de l'hexachlorcyclohexane par polarographie. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:267-275. Ref. 1951. 105.1 G285

6695 PAGE, A. B. P., HADAWAY, A. B., and BLACKITH, R. E. Pyrethrum and some non-agricultural uses of insecticides. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:692-701. Ref. 1951. 382 M31R

6696 PENFOLD, A. R., and MORRISON, F. R. Some Australian essential oils in insecticides and repellents. Soap, Perfumery & Cosmetics 25:933-934. Sept.1952. 307.8 So13

6697 PRADHAN, S., NAIR, M. R. G. K., and KRISHNASWAMI, S. Lipoid solubility as a factor in the toxicity of contact insecticides. Nature [London] 170:619-620. Oct.11,1952. 472 N21

6698 PRATOLONGO, U. Endotherapic or systemic insecticides. (In Italian.) Ricerca Sci. 22:1348-1354. Ref. July 1952 . 475 It1
English summary.

6699 RIEMSCHNEIDER, R. Zur weiterentwicklung der insektizide der chlorkohlenwasserstoffklasse. Kontakt-insektizide auf halogenkohlenwasserstoffbasis. III. Euclides 12:35-41,91-105. Ref. Jan.-Feb.1952. 475 Eu2

6700 SATYANARAYANA, P. The rate of loss of DDT. IV. Madras Agr. J. 39:471-477. Sept.1952. 22 M262

6701 SINCLAIR, W. B., and LINDGREN, D. L. Effect of load in fumatorium on sorption of fumigants. J. Econ. Ent. 45:726-731. Ref. Aug.1952. 421 J822

6702 SMITH, F. F., and others. Residues of organic phosphorus compounds and DDT on greenhouse vegetables. J. Econ. Ent. 45:703-707. Ref. Aug.1952. 421 J822
F. I. Edwards, P. Giang, and R. A. Fulton, joint authors.

6703 U. S. INTERDEPARTMENTAL COMMITTEE ON PEST CONTROL. Malathon and chloranil. J. Econ. Ent. 45:761-762. Aug.1952. 421 J822

6704 U. S. INTERDEPT. COMMITTEE ON PEST CONTROL. A statement on the health hazards of thermal generators as used for the control of flying insects. Washington,1951. 1 p. 173 In824St

6705 WADE, P. Determination of fumigants. XXII. Photometric determination of brominated-hydrocarbon fumigants as inorganic bromide. J. Sci. Food & Agr. 3: 390-393. Ref. Sept.1952. 382 So12

6706 WINTERINGHAM, F. P. W. Separation and detection of the pyrethrin-type insecticides and their derivatives by reversed phase paper chromatography. Science 116:452-453. Oct.24,1952. 470 Sci2

6707 ZEUMER, H. Kombinationsmöglichkeiten von pflanzenschutzmitteln. Nachrbl. des Deut. Pflanzenschutzdienstes 4:90-94. June 1952. 442.9 B832

APICULTURE AND APIS MELLIFERA

6708 ADDINGTON, R. Robbing. Wiltshire Bee-keepers' Gaz. 81:2-3. Sept./Oct.1952. 424.8 W71

6709 ADMIRE, J. W. Easy does it. Gleanings Bee Cult. 80:596-599. Oct.1952. 424.8 G47
Equipment for lifting and moving beehives.

6710 ALEKSEENKO, F. M. The development and recognition of senotainiasis in honeybees. (In Russian.) Pchelovodstvo 29(5):46-49. May 1952. 424.8 P295
Senotainia tricuspis.

6711 ALL INDIA BEE-KEEPERS' ASSOCIATION. Proceedings of the 13th annual general meeting held at Nainital, Uttar Pradesh May 27th to 29th, 1951. Almora, 1951. 15 p. 424.9 AL5P

6712 ALPATOV, V. V. Narcosis and its effect on the behavior of the honeybee. (In Russian.) Priroda 41 (6):109-111. June 1952. 410 P933

6713 ANISIMOV, L. A., LIVENTSEV, L., and BERNARD, P. K. On multi-queen colonies. (In Russian.) Pchelovodstvo 29(4):29-32. Apr.1952. 424.8 P295

6714 ARGIROPULO, N. A. A trap for catching robber bees. (In Russian.) Pchelovodstvo 29(2):47-48. Feb.1952. 424.8 P295

6715 ARMITT, J. H. Bee-keeping for recreation and profit. Relating craftsmanship to the bee colony's natural development and instinctive behaviour. Bordesley, Birmingham, Eng., Ladbrook,1952. 98 p. 424 Ar52

6716 AUSTRALIAN HONEY INSTITUTE. Secretary's report for year ended 31st March, 1952. Australas. Beekeeper 54:5-7. July 15,1952. 424.8 Au72

6717 BAMMER, R. Ich kenne bienen. Wien,Birken-Verlag,1952. 62 p. 424 B212

6718 BANNIKOV, T. B. Beekeeping of Ukrainian SSR in the postwar period. (In Russian.) Pchelovodstvo 29(4):35-39. Apr.1952. 424.8 P295

6719 BARRETT, D. P. Is European foul brood returning. Beekeepers' Mag. 15(9):7,14. Sept.1952. 424.8 M58
Michigan.

6720 BEE RESEARCH ASSOCIATION. Handbook. Ed. 2. Hull,Yorkshire,1952. 12 p. 424.9 B39H

6721 BEE RESEARCH ASSOCIATION. Third annual report. Report for the year ending December 31st, 1951. London,1952. 8 p. 424.9 B39A

6722 BERGER, E. Es geht nicht nur um den honig! Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:219-222. Sept.1952. 105.9 K696
Includes parasites on bees.

6723 BERGMANN, A. T. Skyscraper hives. (In Portuguese.) Chacaras e Quintais 86:217-218. Aug.15,1952. 9.2 C34

6724 BERNER, U. Schwarmbienenzucht in der Niederlausitz im vergleich zur korbimkerei in Nordwestdeutschland. Nordwestdeut. Imkerztg. 4:257-259. Aug. 1952. 424.8 N753

6725 BISCHOFF, P. W. This business of weighing. Bee Craft 34:143. Sept.1952. 424.8 B3925

6726 BISHOP, P. Wintering small bee clusters. Gleanings Bee Cult. 80:585-587. Oct.1952. 424.8 G47

6727 BOGOMOLETS, A. G. One- or two-story hives? (In Russian.) Pchelovodstvo 29(5):16-18. May 1952. 424.8 P295

6728 BONE, D. An English apiary: Force Green Farm, Kent. Gleanings Bee Cult. 80:652-654. Nov.1952. 424.8 G47

6729 BONE, D. Erring queens. Gleanings Bee Cult. 80:600-601,636. Oct.1952. 424.8 G47

6730 BONE, D. Our grandfathers and the winter problem. XVII. Bee Craft 34:137. Sept.1952. 424.8 B3925

6731 BONE, D. Our grandfathers and the winter problem. XVIII. Bee Craft 34:153. Oct.1952. 424.8 B3925

6732 BONIMOND, J. P. Le venin d'abeilles. Bordeaux,Bière,1951. 72 p. Ref. 424 B645

6733 BOTTCHER, F. K. Bienengefährliche und bienenungefährliche pflanzenschutzmittel. Pflanzenarzt 5(9):1-2. Sept.1,1952. 464.9 P482

6734 BRAUN, E., and others. Bees and red clover seed. Canad. Bee J. 60(5):12-14. May 1952. 424.8 C16
R. M. MacVicar, D. R. Gibson, and C. A. Jamieson, joint authors.

6735 BRIUKHANENKO, A. N. New success in feeding milk to honeybees. (In Russian.) Pchelovodstvo 29 (4):55-56. Apr.1952. 424.8 P295

6736 BRUNSKILL, W., and RANKIN, I. G. The use of nitrous oxide for moving bees in the active season. Bee World 33:173. Oct.1952. 424.8 B399

6737 BUDEL, A. Die bienenphysik bringt beweise. VIII. Imkerfreund 7:282-283. Sept.1952. 424.8 Im43
Beehive temperature.

6738 BULAVTSEV, V. Increase of honeybee colonies by nuclei. (In Russian.) Pchelovodstvo 29(5):9-11. May 1952. 424.8 P295

6739 CALDAS FILHO, C. F. The bees, the flowers, and the fruit. (In Portuguese.) Soc. Rur. Bras. Rev. 32(379):68. Aug.1952. 9.2 B733

6740 CAMPOS R., F. Las abejas. Consorcio de Cent. Agr. de Manabi. Rev. 70:9-10. Apr./June 1952. 9.5 M31
Apis mellifera.

6741 CARAYON, F. L'horloge apicole, balance automatique hydrodynamique. Gaz. Apic. 53:278-279. Sept.1952. 424.8 G25

6742 CHERNYSHEV, G. V. On care of swarming colonies in two-story management. (In Russian.) Pchelovodstvo 29(5):20-21. May 1952. 424.8 P295

6743 CHERNYSHEV, G. V. On growing shrubbery at apiaries [for protection]. (In Russian.) Pchelovodstvo 29(3):41-42. Mar.1952. 424.8 P295

6744 CLEMSON, A. A. Establishing an apiary; points for beginners. Agr. Gaz. N. S. Wales 63:329-330. June 2,1952. 23 N472

6745 COLEMAN, R. S. Control of swarming. West. Austral. Dept. Agr. J. (ser.3)1:301-303,305. May/June 1952. 23 W52J

6746 COLEMAN, R. S. Raising queen bees; some tested methods. West. Austral. Dept. Agr. J. (ser.3)1: 513-517. July/Aug.1952. 23 W52J

6747 CZARNOWSKI, C. VON. Botanische hinweise zur honigtaufrage. Imkerfreund 7:244-246. Aug.1952. 424.8 Im43

6748 DARCHEN, R. Régulation sociale et écartement des rayons chez les abeilles. Acad. des Sci. Compt. Rend. 235:820-822. Oct.13,1952. 505 P21

6749 DAUTOV, A. G. Complex method for controlling foulbrood diseases of honeybees. (In Russian.) Pchelovodstvo 29(2):41-44. Feb.1952. 424.8 P295

6750 DOBAKHOV, A. S. Strong colonies—a decisive factor in high yields of honey. (In Russian.) Pchelovodstvo 29(2):17-20. Feb.1952. 424.8 P295

6751 DOMORATSKII, M. I. New method of foulbrood treatment. (In Russian.) Pchelovodstvo 29(5):40-45. May 1952. 424.8 P295

6752 DUGAT, M. Apiculture et électricité. Gaz. Apic. 53:200-204. July 1952. 424.8 G25

6753 DUNHAM, W. E. The Ohio capping wax melter. Amer. Bee J. 92:432-433. Oct.1952. 424.8 Am3

6754 DUNHAM, W. E. The principle of the Ohio capping melter and how to operate it. 2. Amer. Bee J. 92:476-477. Nov.1952. 424.8 Am3

6755 EL-DEEB, A. L. A. Longevity of some races of the honeybee (Apis mellifera L.) Urbana,1952. 9 p. 424 D36
Abstract of thesis - University of Illinois.

6756 EVANS, P. H. In black and white. Gleanings Bee Cult. 80:689,701. Nov.1952. 424.8 G47
Color of hives in relation to temperature.

6757 EVENIUS. Bessere aussichten für die abwehr von bienenschäden durch pflanzenschutzmittel? Deut. Bienenwirt. 3:65-66. Apr.1952. 424.8 D489

6758 FARQUHARSON, A. J. Some thoughts on bee-keeping to-day and a peep into the future. Scot. Bee-keeper 28:209. Oct.1952. 424.8 Sco8

6759 FEDERAL COUNCIL OF AUSTRALIAN APIARISTS' ASSOCIATIONS. Report to state conferences, 1952. Australas. Beekeeper 54:11-14. July 15,1952. 424.8 Au72

6760 FEDOTOV, F. N. Shaking down the honeybees as a measure against swarming. (In Russian.) Pchelovodstvo 29(5):21-25. May 1952. 424.8 P295

6761 FLETCHER, L. Apis dorsata, the Bambara or giant bee of India and Ceylon. Bee Craft 34:139-140. Sept.1952. 424.8 B3925

6762 FLUHR, L. Imkerei im waldtrachtgebiet. Imkerfreund 7:252-254. Aug.1952. 424.8 Im43
Colony management.

6763 FRISCH, R. Queen breeding—the foundation of apiculture. (In Norwegian.) Birøkteren 68:153-156. (Cont.) Sept.1952. 424.8 B53

6764 GALAKHIN, A. Conference of beekeepers-experimenters of Crimean Region. (In Russian.) Pchelovodstvo 29(6):36-40. June 1952. 424.8 P295

6765 GLUSHKOV, N. M. On industrial testing of comb foundation with an enlarged cell. (In Russian.) Pchelovodstvo 29(4):24-29. Apr.1952. 424.8 P295

6766 GOOSMANN, H. Die merkmalsuntersuchung ist keine körung. Nordwestdeut. Imkerztg. 4:293-294. Sept.1952. 424.8 N753

6767 GORÎACHEV, P. A. For good honeycombs at the apiaries. (In Russian.) Pchelovodstvo 29(3):23-25. Mar.1952. 424.8 P295

6768 GRÉMILLON, J. La loi de la grappe n'a pas fait faillite. Gaz. Apic. 53:105-107,110. Apr.1952. 424.8 G25
Bee space.

6769 GRIFFIN, L. A. Location of apiaries in relation to honey crop returns. New Zeal. J. Agr. 85:225-226. Sept.15,1952. 23 N48J

6770 HACHINOHE, Y., and ONISHI, N. On the meiosis of the drone of honey bee (Apis mellifica). (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:83-87. Mar.1952. 49.9 C434
English summary.

6771 HALBRITTER. Hat die deutsche imkerpraxis versagt? Deut. Bienenwirt. 3:62-63. Apr.1952. 424.8 D489

6772 HAMMAR, C. Increased cooperation between beekeepers and farmers is desirable. (In Swedish.) Lantmannen 36:692-695. Aug.30,1952. 11 L234
Chiefly on insecticide poisoning of bees.
Reply by C. G. von Hofsten, p. 694-695.

6773 HARNEY, W. Ich melde mich zum wort. Imkerfreund 7:288-289,301. Sept.1952. 424.8 Im43
Colony management in a twin hive.

6774 HASSANEIN, M. H. The effects of infection with Nosema apis on the foraging activities of the individual worker honeybee. Scot. Beekeeper 28:200-203. Oct.1952. 424.8 Sco8

6775 HUBBE, W. Die krallenglieder der biene. I. Deut. Bienenztg. 7:129-131. Sept.1,1952. 424.8 D488

6776 HUMMEL, A. Im dienste der imkerschulung. Südwestdeut. Imker 4:278-279. Sept.1952. 424.8 Su25

6777 HUSSER, O. Zur bienenbeuten-preisfrage. Deut. Bienenwirt. 3:141-142. Aug.1952. 424.8 D489

6778 ÎAÎTSKIÎ, A. L. An apiary in Salsk Steppe. (In Russian.) Pchelovodstvo 29(2):9-12. Feb.1952. 424.8 P295

6779 IGNATOVICH, V. P. Work of honeybees on comb foundation with enlarged cells. (In Russian.) Pchelovodstvo 29(6):33-35. June 1952. 424.8 P295

6780 ILTON, C. D. Dead brood in beehives. Victoria. Dept. Agr. J. 50:373-375. Aug.1952. 23 V66J
Brood diseases.

6781 JONES, G. D. G. The responses of the honeybee to repellent chemicals. J. Expt. Biol. 29:372-386. Sept.1952. 442.8 B77

6782 KABYCHKIN, A. I. Utilization of honeybee training for increasing honey production. (In Russian.) Pchelovodstvo 29(6):21-22. June 1952. 424.8 P295

6783 KAESER, W. Untersuchungen zur widerstandsfähigkeit der innenmilbe (Acarapis woodi) der honigbiene und zur möglichkeit ihrer bekämpfung. Z. f. Bienenforsch. 1:191-216. Ref. Aug.1952. 424.8 Z3

6784 KAESER, W. Vorläufige mitteilung über ein neues deutsches milbenbekämpfungsmittel. Deut. Bienenwirt. 3:69. Apr.1952. 424.8 D489

6785 KAMSHILOV, N. Toward further advancement of collective farm beekeeping. (In Russian.) Pchelovodstvo 29(3):3-7. Mar.1952. 424.8 P295

6786 KEMPFF MERCADO, N. Piqueras a prueba de pillaje. Agr. Venezol. 17(154):8. Jan./July 1952. 9.95 Ag8
Prevention of robbing.

6787 KENNERLY, A. B. Bees make a crop of cantaloupes. Mod. Beekeeping 36:309-310,318. Sept.15, 1952. 424.8 B397
Pollinators.

6788 KIRBY, A. J. The sting of the honey-bee. 1-2. Brit. Bee J. 80:562,578. Sept.6-13,1952. 424.8 B77

6789 KIRBY, A. J. The sting of the honey-bee. 3. Brit. Bee J. 80:594. Sept.20,1952. 424.8 B77

6790 KNOWLTON, G. F. Growing alfalfa seed without destroying pollinators. Utah. State Agr. Col. Ext. C. 155,2 p. Apr.1952. 275.29 Ut1
Honey bees and native wild bees.

6791 KNOWLTON, G. F., and NYE, W. P. Raising bees. Utah. State Agr. Col. Ext. C. 157,2 p. Apr.1952. 275.29 Ut1

6792 KOLCHIN, A., TRENIN, V. P., and BLIZNÎUK, P. On first spring work at an apiary. (In Russian.) Pchelovodstvo 29(2):23-26. Feb.1952. 424.8 P295

6793 KORÎAKOV, F. M. Strong colonies in horizontal hives. (In Russian.) Pchelovodstvo 29(4):23. Apr. 1952. 424.8 P295

6794 KOVALEV, A. M. For year round maintenance of strong honeybee colonies. (In Russian.) Pchelovodstvo 29(6):7-15. June 1952. 424.8 P295

6795 KOZLOV, N. A. Testing new methods of honeybee management in Yaroslavl Region. (In Russian.) Pchelovodstvo 29(6):18-19. June 1952. 424.8 P295

6796 KROEBER, A. L. Sign and symbol in bee communications. Natl. Acad. Sci. Proc. 38:753-757. Sept.1952. 500 N21P

6797 KUPÎSOV, M. Beekeeping of a leading district [Epifanskii Raion, Tula Region]. (In Russian.) Pchelovodstvo 29(6):44-46. June 1952. 424.8 P295

6798 KUZNETSOV, G. ÎA. A beehive from straw. (In Russian.) Pchelovodstvo 29(3):49-50. Mar.1952. 424.8 P295

6799 LATHAM, G. H. Salvaging a robbed colony. Gleanings Bee Cult. 80:649-651. Nov.1952. 424.8 G47

6800 LEMAISTRE, W. Beekeeping profits. Canad. Bee J. 60(6):12-15. June 1952. 424.8 C16

6801 LUNDIE, A. E. The lesser enemies and diseases of honeybees. So. African Bee J. 27(3):15-17. July/Aug.1952. 424.8 So82
Parasites and predators.

6802 MAINELLI, M. The dangers of over-stocking in apiculture. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:332-333. Aug.1952. 16 C72

6803 MALASHENKO, P. V. In regard to methods of breeding in apiculture. (In Russian.) Pchelovodstvo 29(4):33-34. Apr.1952. 424.8 P295

6804 MATHIS, M. Le nourrissement "stimulant" de printemps. Gaz. Apic. 53:101-102. Apr.1952. 424.8 G25

6805 MATUKA, S. Control and treatment of American foulbrood with sulfathiazole. (In Serbo-Croatian.) Vet. Arh. 22:12-18. 1952. 41.8 V6416
English summary.

6806 MAURANNE, P. Normalisation des ruches. Gaz. Apic. 53:165-166. June 1952. 424.8 G25

6807 MEDICI, M. Se puede poblar un colmenar con enjambres y núcleos adquiridos. Mundo Agr. 4(39):82-83. Aug.1952. 9 M92

6808 MEIXNER, E. Futterzahlen. Imkerfreund 7: 290-295. Sept.1952. 424.8 Im43

6809 MEYER, H. Als imker in der landwirtschaftsschule. Deut. Bienenwirt. 3:145-146. Aug.1952. 424.8 D489

6810 MILUM, V. G., and others. Fall management round-up. Amer. Bee J. 92:411-428,437,441. Oct.1952. 424.8 Am3

6811 MONTICELLI, F. Bees, pronubial insects, and insecticides in fruit culture. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:325-326. Aug.1952. 16 C72
Damage to bees through use of insecticides.

6812 MOREAUX, R. Les métamorphoses chez l'abeille. Gaz. Apic. 53:134-135,139. May 1952. 424.8 G25

6813 MOREAUX, R. La vol de l'abeille. Gaz. Apic. 53:169-170. June 1952. 424.8 G25

6814 MÜLLER, W. Die kehrseite der Schweiermethode. Westfälische Bienenztg. 65:251-254. Sept.1952. 424.8 W526

6815 MUSSIGER, W. Königinnenschlüpfkäfige mit absperrgitter. Deut. Bienenztg. 7:140-141. Sept.1,1952. 424.8 D488

6816 MUZIN, V. N. On the achievements of a Red Banner district. (In Russian.) Pchelovodstvo 29(6):46-49. June 1952. 424.8 P295
Beekeeping in Lukoŝanovskiĭ District, Gorki Region.

6817 NESTEROV, I. V. Experiment in winter increase of honeybees. (In Russian.) Pchelovodstvo 29(3): 25-27. Mar.1952. 424.8 P295

6818 NORTON, A. E. A central extracting house. Australas. Beekeeper 54:95-97. Sept.15,1952. 424.8 Au72

6819 NOSKOVA, E. A. How I increased the collective farm apiary. (In Russian.) Pchelovodstvo 29(3):8-15. Mar.1952. 424.8 P295
Colony management.

6820 NOVIKOV, V. KH. In regard to the further development of beekeeping. (In Russian.) Pchelovodstvo 29(5):6-8. May 1952. 424.8 P295

6821 NUZHDIN, A., and RODIONOV, V. To improve the quality of honeybee colonies; to fulfill the plan for beekeeping on every collective farm. (In Russian.) Pchelovodstvo 29(4):6-10. Apr.1952. 424.8 P295

6822 ORZHEVSKIĬ, M. D. Scientific conference on problems of studying honeydew poisoning of honeybees. (In Russian.) Pchelovodstvo 29(5):50-51. May 1952. 424.8 P295

6823 OSOKIN, V. A. Strong colonies—guarantee of high honey yields. (In Russian.) Pchelovodstvo 29(4):11-18. Apr.1952. 424.8 P295

6824 OVCHINNIKOV, A. T. On feeding milk to honeybees. (In Russian.) Pchelovodstvo 29(4):55. Apr. 1952. 424.8 P295

6825 PÊCHOT. L'unification des cadres de ruches et la normalisation. Gaz. Apic. 53:103-104. Apr.1952. 424.8 G25

6826 PEDERSEN, P. K. Rationel avl af bidronninger [Efficient breeding of bee queens]. København, Fremad,1952. 63 p. 424 P342

6827 PESCIO, M. Enfermedades de nuestras abejas. Agr. Austral 20:203-205. May 1952. 9.3 Ag842
Chile.

6828 PINGEL, H. Zur verwendung von pollenersatzstoffen. Deut. Bienenwirt. 3:63-64. Apr.1952. 424.8 D489

6829 PONOMAREVA, E. G. To improve the utilization of honeybees for pollination of agricultural crops. (In Russian.) Pchelovodstvo 29(5):34-37. May 1952. 424.8 P295

6830 PROST, J., and BALAUD, J. M. Efficacité de la streptomycine dans le traitement de la loque europeenne. Gaz. Apic. 53:196-197. July 1952. 424.8 G25

6831 RÅMAN, C. A. Insect control and bee death. (In Swedish.) Lantmannen 36:674-675. Aug.23,1952. 11 L234

6832 RAUTENBERG, H. J. Frühjahrsvereinigung und herbstvereinigung. Deut. Bienenztg. 7:136-138. Sept.1,1952. 424.8 D488

6833 REITHMEIER, K. 49 läuse und eine königin. Imkerfreund 7:255-256. Aug.1952. 424.8 Im43

6834 RIBBANDS, C. R., KALMUS, H., and NIXON, H. L. New evidence of communication in the honeybee colony. Nature [London] 170:438-440. Ref. Sept.13, 1952. 472 N21

6835 RICHARDS, A. G. Studies on arthropod cuticle. VIII. The antennal cuticle of honeybees, with particular reference to the sense plates. Biol. B. 103:201-225. Ref. Oct.1952. 442.8 B52

6836 RILLY, COMTE DE. Piqures et venin d'abeilles. Gaz. Apic. 53:262-263. Sept.1952. 424.8 G25

6837 RINCK. Die bedeutung der bienenzucht für den landwirt. Deut. Bienenwirt. 3:81-82. May 1952. 424.8 D489
Pollinators.

6838 ROBERTS, D. Responsibilities of beekeepers. New Zeal. J. Agr. 85:131-132. Aug.15,1952. 23 N48J
Regulations under the Apiaries Act of 1927.

6839 ROCK, H. J. Beekeeping in the Rockies. Gleanings Bee Cult. 80:659-661,701. Nov.1952. 424.8 G47

6840 ROTHENBUHLER, W. C., GOWEN, J. W., and PARK, O. W. Five mutant genes in honey bees (Apis mellifera L.). (Abs.) Genetics 37:620-621. Sept.1952. 442.8 G28

6841 ROUSSY, L. L'origine de l'acide formique chez les abeilles ouvrières. Gaz. Apic. 53:163-164. Ref. June 1952. 424.8 G25

6842 ROUSSY, L. La vallée d'Abondance berceau de l'abeille noire de Savoie. Gaz. Apic. 53:259-261. Sept. 1952. 424.8 G25

6843 RYMASHEVSKAIA, R. S. Role of insect pollinators in increasing the crop of alfalfa seeds. (In Russian.) Selek. i Semen. 19(7):60-64. July 1952. 61.9 Se5
Honeybees as pollinators.

6844 SAMOILENKO, M. M. Two-story management and horizontal hives in the South [U.S.S.R.]. (In Russian.) Pchelovodstvo 29(6):16-17. June 1952. 424.8 P295

6845 SAVCHUK, F. S. On taking away queens during the main honey flow. (In Russian.) Pchelovodstvo 29(6): 19-20. June 1952. 424.8 P295
Colony management.

6846 SCHMIDT, H. W. Neue heilmittel mit bienenvitamin-hormon-komplex. Imkerfreund 7:266-267. Aug. 1952. 424.8 Im43

6847 SCHUNEMANN, K. E. Honigertrag und einwinterung. Deut. Bienenztg. 7:134-136. Sept.1,1952. 424.8 D488

6848 SCHUSSLER. Die einfuhr von bienen ist nach wie vor verboten und strafbar! Deut. Bienenwirt. 3:61-62. Apr.1952. 424.8 D489

6849 SCHUSSLER. Haftung der gemeinden für giftschäden durch maikäferbekämpfung. Deut. Bienenwirt. 3:92-93. May 1952. 424.8 D489

6850 SEVAST'ĬANOV, V. D. Effect of growth substances on increase and development of honeybees. (In Russian.) Pchelovodstvo 29(3):28-30. Mar.1952. 424.8 P295
Heteroauxin and 2,4-D in honeybee nutrition.

6851 SHAKIROV, D. T. Utilization of queens-assistants in the horizontal hives. (In Russian.) Pchelovodstvo 29(3):45-46. Mar.1952. 424.8 P295

6852 SHALAGIN, V. F. Proper care of honeybees—basis of high honey yields. (In Russian.) Pchelovodstvo 29(2):15-17. Feb.1952. 424.8 P295

6853 SHAW, F. R. Observation beehives: construction, use. Gleanings Bee Cult. 80:656-658. Nov.1952. 424.8 G47

6854 SHCHERBINA, P. S. Pchelovodstvo [Beekeeping]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 574 p. (Uchebniki i Uchebnye Posobiĭa dlĭa Podgotovki Sel'skokhozĭaĭstvennykh Kadrov Massovoĭ Kvalifikaŝii) 424 Sh22

6855 SHINĬAEVA, V. A. Effect of nurse bees on offspring reared by them. (In Russian.) Pchelovodstvo 29(5):25-33. May 1952. 424.8 P295
Genetics.

6856 SHVANVICH, B. N. On the mechanism of red clover pollination by honeybees. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):33-36. 1952. 20 Ak1

6857 SMARAGDOVA, N. P. Artificial insemination of honeybee queens. (In Russian.) Pchelovodstvo 29(6): 22-27. June 1952. 424.8 P295

6858 SMITH, M. V. Weed killing sprays vs bees. Canad. Bee J. 60(5):16-17. May 1952. 424.8 C16

6859 STARKOV, P. M. Strong colonies in two-story hives—a guarantee of high honey yields. (In Russian.) Pchelovodstvo 29(2):20-22. Feb.1952. 424.8 P295

6860 STEPANENKO, D. P. On treatment of [European] foulbrood with penicillin. (In Russian.) Pchelovodstvo 29(3):51-52. Mar.1952. 424.8 P295

6861 SUSLOV, P. G. A sectional two-story hive. (In Russian.) Pchelovodstvo 29(6):53-54. June 1952. 424.8 P295

6862 SYNZYNYS, B. To increase the honeycomb supply of honeybee colonies. (In Russian.) Pchelovodstvo 29(3):21-23. Mar.1952. 424.8 P295

6863 TASMANIAN BEEKEEPERS' ASSOCIATION. Seventh annual report. Australas. Beekeeper 54:57-58. Aug.15,1952. 424.8 Au72

6864 TEGTMEIER. Vereinigung oder verstärkung von völkern zur erzielung starker standvölker. Niedersächs. Bienenfr. 9:235-237. Sept.1952. 424.8 N552

6865 TERESHCHENKO, M. S. Work with colonies-assistants. (In Russian.) Pchelovodstvo 29(5):19-20. May 1952. 424.8 P295
Two-queen system.

6866 TILTSCHER, J. Fluglochblenden. Westfälische Bienenztg. 65:250-251. Sept.1952. 424.8 W526

6867 TIMENSKIĬ, I. For high and stable yields of honey (From the practices of F. S. Miakishev, beekeeper of Karl Mark Collective Farm, in Podtelkovskiĭ District, Stalingrad Region). (In Russian.) Pchelovodstvo 29(5): 11-14. May 1952. 424.8 P295

6868 TOLL FILHO, P. L. VAN. Learn to install your apiary. (In Portuguese.) Lav. Arroz. 6(66):29-30. June 1952. 59.8 L39

6869 TOUDOIRE. Les oléagineux et l'apiculture. Gaz. Apic. 53:171-178. June 1952. 424.8 G25
Bee poisoning by insecticides on colza.

6870 TOUMANOFF, C. Les maladies des abeilles. Rev. Franç. d'Apic. 68(spec. no.),325 p. Ref. Aug.1951. 424.8 R329

6871 TSVETKOV, I. Exemplary work in the rehabilitation of a collective farm apiary. (In Russian.) Pchelovodstvo 29(3):16-21. Mar.1952. 424.8 P295

6872 TSYGANKOV, S. K. Bring the apiary nearer to the crop for pollination. (In Russian.) Pchelovodstvo 29(5):37-39. May 1952. 424.8 P295

6873 TUCHIN, A. B. For high and stable yields of honey. (In Russian.) Pchelovodstvo 29(4):18-22. Apr. 1952. 424.8 P295

6874 TUSCHHOFF, O. Lebenskräftige königinnen aus dem ei. Nordwestdeut. Imkerztg. 4:290-293. Sept. 1952. 424.8 N753

6875 VALENCIANO, J. La lucha contra la acariosis. Balearic Isl. Diputación Prov. B. de Agr. 93:11. June 1952. 15 B19

6876 VAN TOL FILHO, P. L. Wrong concepts in apiculture. (In Portuguese.) Lav. e Criação 13(6):48-49. June 1952. 49 L392

6877 VINOGRADOVA, T., and VINOGRADOV, M. On biological oneness of the honeybee colony and regularities of its growth. (In Russian.) Pchelovodstvo 29(2):31-34. Feb.1952. 424.8 P295

6878 VISHNEVSKIĬ, V. I. How we obtained a high production of honey. (In Russian.) Pchelovodstvo 29(2): 12-14. Feb.1952. 424.8 P295
Colony management.

6879 WALFRATH, A., and SPECK, J. J. De la colmena antigua al lucrativo negocio de la colmena moderna. Tierra [Mexico] 7:624-628. (Cont.) Sept.1952. 8 T445

6880 WEDMORE, E. B. Bee behavior & swarm control. Beekeepers' Rec. 70:167-168. (Cont.) Oct. 1952. 424.8 B398

6881 WEDMORE, E. B. Bee behaviour & swarm control. Brit. Bee J. 80:550-551,567-569. Aug.30-Sept. 6,1952. 424.8 B77

6882 WILLIAMS, T. P. J. Spring examination of bee colonies. New Zeal. J. Agr. 85:239-240. Sept.15,1952. 23 N48J

6883 YOKOZAWA, Y. Insect visitors of the flower of Japanese persimmon. II. (In Japanese.) Hort. Assoc. Japan. J. 21:25-28. June 1952. 87 H78
English summary.
Pollination by honey bees.

6884 ZAVERNIAKHIN, G. A. On introducing two-story management of honeybee colonies. (In Russian.) Pchelovodstvo 29(5):15-16. May 1952. 424.8 P295

6885 ZHEREBENKO, V. M. In the effort for high yields of honey. (In Russian.) Pchelovodstvo 29(6):49-52. June 1952. 424.8 P295
Colony management chiefly.

ARACHNIDA, MYRIAPODA, ETC.

6886 ANGELIER, E. Porolhomannella andrei n. sp. un nouvel Halacarien recueilli dans le psammon d'eau douce. Mus. Nat. d'Hist. Nat. B. (ser.2)23:505-507. Oct.1951. 410.9 P213

6887 ASANUMA, K. A new parasitic mite of the genus Haemogamasus from Japanese rodents. Jap. J. Expt. Med. 22:43-47. Feb.1952. 448.8 J272

6888 BERGER, G. Observations sur une maladie de la tomate: l'erinose bronzée; son traitement. Fruits et Primeurs de l'Afrique du Nord 22:295-298. July/Aug. 1952. 80 F9482
Phytoptus lycopersici.

6889 BOHM, H. Die erdbeermilbe [Tarsonemus pallidus] ein feind unserer erdbeerkulturen. Pflanzenarzt 5(10):3. Oct.1,1952. 464.9 P482

6890 BONNET, P. Difficultés de nomenclature chez les aranéides. IV. La question Lycosa—Tarentula—Pardosa. Soc. d'Hist. Nat. de Toulouse. B. 86:295-307. Dec.30,1951. 505 T64

6891 BOYCE, H. R. Trials of acaricides against the European red mite, Metatetranychus ulmi (Koch), on apple. Ent. Soc. Ontario. Annu. Rpt. 82:17-21. 1951,pub. 1952. 420 On8

6892 BROWN, J. H. Tick paralysis: a note on a human case caused by a male tick. J. Econ. Ent. 45:737-738. Aug.1952. 421 J822

6893 BULANOVA-ZAKHVATKINA, E. M. Ecological types of "armorclad" mites [Oribatei] and their distribution in the soil. (In Russian.) Zool. Zhur. 31: 549-555. Ref. July/Aug.1952. 410 P92

6894 BUSH, R. Proper under leaf spraying will kill red spider [Tetranychus]. Grower [London] 38:598-599. Sept.27,1952. 286.83 M34

6895 BUTTERWORTH, R. F. A case of tick typhus. Brit. Med. J. 4789:866-867. Oct.18,1952. 448.8 B77

6896 CASTRO, A. L. DE. On the occurrence of the genus Tylos Latreille on the Brazilian littoral. (Isopoda, Tylidae). (In Portuguese.) Mus. Nac. B. Nova Sér. Zool. 107,7 p. Feb.15,1952. 516 R47Bz
English summary.

6897 CHAMBERLIN, R. V. An arrangement of the Prepodesmidae, a family of African millipeds. Wash. Acad. Sci. J. 42:327-333. Ref. Oct.1952. 500 W276J
Includes Prepodesmidae n. subfam., Basacantha n.g., Kisantus n.g., Congesmus n.g. and new species in Tylodesmus.

6898 CRABILL, R. E., JR. A new cavernicolous Nampabius with a key to its northeastern American congeners (Chilopoda: Lithobiidae). Ent. News [Philadelphia] 63:203-206. Oct.1952. 421 En88

6899 CROSSLEY, D. A., JR. Two new nasal mites from columbiform birds. J. Parasitol. 38:385-390. Oct.1952. 448.8 J824
New species in Speleognathus and Neonyssus.

6900 DANIELS, N. E. Control of spider mites on wheat. Tex. Agr. Expt. Sta. Prog. Rpt. 1476,3 p. July 14,1952. 100 T31P
Petrobia latens.

6901 DAVIS, D. W. Influence of population density on Tetranychus multisetis. J. Econ. Ent. 45:652-654. Aug.1952. 421 J822

6902 DAVIS, G. E. Biology as an aid to the identification of two closely related species of ticks of the genus Ornithodoros. J. Parasitol. 38:477-480. Ref. Oct. 1952. 448.8 J824

6903 DAVIS, G. E. Observations on the biology of the argasid tick, Ornithodoros brasiliensis Aragão, 1923, with the recovery of a spirochete, Borrelia brasiliensis, n. sp. J. Parasitol. 38:473-476. Oct.1952. 448.8 J824

6904 DENIS, J. Araignées de la région d'Orédon. Soc. d'Hist. Nat. de Toulouse. B. 86:308-312. Dec.30, 1951. 505 T64

6905 DENIS, J. Essai biogéographique sur les araignées du genre Zodarium Walck. Soc. d'Hist. Nat. de Toulouse. B. 86:156-158. May 30,1951. 505 T64

6906 DENIS, J. Sur le male d'Ariadna insidiatrix Sav. et Aud. Soc. d'Hist. Nat. de Toulouse. B. 86:153-155. May 30,1951. 505 T64

6907 DIAS, J. A. T. S. A new species of tick (Acarina-Ixodoidea) for the fauna of Mozambique: Ixodes mossambicensis n. sp. (In Portuguese.) Moçambique 69:67-76. Mar.1952. 110 M71
English summary.

6908 DINTHER, J. B. M. VAN. Control experiments against Eriophyes avellanae Nal. and Eriophyes gracilis Nal. (In Dutch.) Tijdschr. over Plantenziekten 58: 96-103. July/Aug.1952. 464.8 T44
English summary.

6909 EADS, R. B., MENZIES, G. C., and MILES, V. I. Acarina taken during West Texas plague studies. Ent. Soc. Wash. Proc. 54:250-253. Oct.1952. 420 W27

6910 EDGAR, S. A., and MCANNALLY, B. D. The comparative efficacy of several insecticides in the control of the northern feather mite, Liponyssus sylviarum. (Abs.) Poultry Sci. 31:914. Sept.1952. 47.8 Am33P

6911 FLESCHNER, C. A. Host-plant resistance as a factor influencing population density of citrus red mites [Paratetranychus citri] on orchard trees. J. Econ. Ent. 45:687-695. Aug.1952. 421 J822

6912 FREITAS, M. G. Preliminary tests with Rhodiatox (R. B. 1018) in the control of cattle tick [Boophilus annulatus microplus]. (In Portuguese.) Granja [Porto Alegre] 8(63):31-32,34. June 1952. 9.2 G76

6913 GAZTAMBIDE ARRILLAGA, C. La garrapata es enemiga de su ganado combátala. P. R. Agr. Col. Ext. Fol. Z-3,6 p. May 1951. 275.29 P96Fz

6914 GHOSH, S. C. Deutoplasmogenesis in the egg cells of Lycosa chaperi (Simon). Allahabad. U. Studies. Zool. Sect.1951:15-29. Ref. 513 AL1Z

6915 GIROUD, P., LE GAC, P., and GAILLARD, J. A. Mise en évidence de toxoplasmes sur souris inoculées avec des broyats de Thrombicula le gaci—Marc André 1950—recueillis sur Lemniscomys barbarus striatus et sur Mylomys cuninghamei alberti capturés en Qubangui-Chari. Soc. de Path. Exot. B. 45:449-451. 1952. 448.9 So13

6916 GRANDJEAN, F. Sur les articles des appendices chez les acariens actinochitineux. Acad. des Sci. Compt. Rend. 235:560-564. Sept.15,1952. 505 P21

6917 HELM, R. W. Report of brown dog tick, Rhipicephalus sanguineus (Latr.) attacking humans. Ent. News [Philadelphia] 63:214. Oct.1952. 421 En88

6918 HOFF, C. C., and CLAWSON, D. L. Pseudoscorpions from rodent nests. Amer. Mus. Novitates 1585, 38 p. Ref. Sept.10,1952. 500 N483N
Includes new species in Archeolarca n.g., Cheiridium, Hesperochernes, Pselaphochernes, and Dinocheirus.

6919 HUNT, J. L. Summer control of red spider [Paratetranychus pilosus]. Fruit-Grower 2966:793-794. Oct.30,1952. 80 F941

6920 JENKINS, C. F. H. The red-legged earth mite (Halotydaeus destructor (Tucker)). West. Austral. Dept. Agr. J. (ser.3)1:509,511-512. July/Aug.1952. 23 W52J

6921 JEPPSON, L. R., and CARMAN, G. E. Mites on citrus; two chemicals show exceptional control possibilities in tests. Calif. Agr. [Calif. Sta.] 6(9):14. Sept. 1952. 100 C12Cag
p-Chlorophenyl-p-chlorobenzene sulfonate and aramite.

6922 JEPPSON, L. R., JESSER, M. J., and COMPLIN, J. O. Timing red mite [Metatetranychus citri] treatments in coastal areas. Calif. Citrog. 38:36,38-39. Nov.1952. 80 C125

6923 JEZIERSKI, A. L'action du gamatox sur les tiques. Inst. Natl. pour l'Etude Agron du Congo Belge. B. d'Inform. 1:229-234. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(3). Sept.1952. 24 K83
Product containing gammexane.

6924 KEIFER, H. H. Eriophyid studies. XX. Calif. Dept. Agr. B. 41:147-149. July/Sept.1952. 2 C12M
New species in Aceria.

6925 KHOKHLOV, D. N., and ĪUZHNYĪ, Z. M. Experiments in combating the cobweb mite. (In Russian.) Sad i Ogorod 9:66. Sept.1952. 80 Sa13
Benzene hexachloride in the greenhouse.

6926 KURCHATOV, V. I. Mechanization of control of mites and insects parasitic on farm animals. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:60-65. May 1952. 20 D742
Aerosol equipment.

6927 LANCASTER, J. L.,JR. Striking at the source of tick infestation. Ark. Farm Res. 1(3):5. Fall 1952. 100 Ar42F
Reduction of infestations in pastures by spraying cattle at intervals throughout the season.

6928 LE GAC, P. Présence de Thrombicula sicei, Marc André 1950, sur les oiseaux piéteurs de l'Oubangui-Chari: Gallus domesticus, Numida meleagris et Ptilopachus petrosus. Soc. de Path. Exot. B. 45:477-479. 1952. 448.9 So13

6929 LEVI, L. R., and LEVI, H. W. Preliminary list of harvestmen of Wisconsin with a key to genera. Wis. Acad. Sci. Arts & Let. Trans. 41:163-167. 1952. 500 W75

6930 LUCKER, J. T., and SAUSE, M. P. The occurrence of demodectic mites, Demodex folliculorum, in the internal tissues and organs of the dog. No. Amer. Vet. 33:787-796. Ref. Nov.1952. 41.8 N812

6931 MAGALHAES, O. DE. Control of scorpions. (In Portuguese.) Brasil-Med. 66:429-432. July 19/26, 1952. 448.8 B73

6932 MANZONI, L. Diseases of grapes: erinose. (In Italian.) Italia Agr. 89:533-534. Aug.1952. 16 It1
Caused by Eriophyes vitis.

6933 MAYER, K. Lucoppia lucorum C. L. Koch (Acari: Oribatidae) als ungeziefer in wohnungen. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:132-133. July 1952. 464.9 N11

6934 MITCHELL, R. D., and COOK, D. R. The preservation and mounting of water-mites. Turtox News 30:169-172. Sept.1952. 442.8 T86

6935 NOTHDURFT, H. Eine spinnenschönheit. Orion 7:676-677. Sept.1952. 474 Or4
Argiope bruennichii.

6936 NOVAES, F. C., and CARVALHO, J. C. M. A new genus [Crypturoptes] and species of feather mite (Pterolichinae, Analgesidae). Rev. Bras. de Biol. 12:211-214. July 1952. 442.8 R326

6937 PUSTOVOĬT, G. New means to combat the cobweb mite [Tetranychus urticae] on cotton plants. (In Russian.) Khlopkovodstvo 5:41-42. May 1952. 72.8 K522

6938 REMY, P. A. Diagnose de quelques Pauropodes algériens. Mus. Natl. d'Hist. Nat. B. (ser.2)24: 80-86. Jan.1952. 410.9 P213
Includes new species in Scleropauropus and Asphaeridiopus.

6939 RIBAUT, H. Craspedosomides nouveaux des Pyrénées. I. (Myriapoda-Diplopoda). Soc. d'Hist. Nat. de Toulouse. B. 86:379-382. Dec.30,1951. 505 T64

6940 RIBAUT, H. Diplopodes des Pyrénées-Orientales. Soc. d'Hist. Nat. de Toulouse. B. 86:383-388. Dec.30,1951. 505 T64
Includes n. sp. in Ceratophys and Leptoiulus.

6941 RIBAUT, H. Les diplopodes du département du Puy-de-Dome. Soc. d'Hist. Nat. de Toulouse. B. 86:313-315. Dec.30,1951. 505 T64

6942 ROBINSON, A. G. Annotated list of predators of tetranychid mites in Manitoba. Ent. Soc. Ontario. Annu. Rpt. 82:33-37. 1951,pub.1952. 420 On8

6943 ROTH, V. D. A review of the genus Tegenaria in North America (Arachnida: Agelenidae). Wash. Acad. Sci. J. 42:283-288. Ref. Sept.1952. 500 W276J

6944 SAVZDARG, E. E. Gallic mite [Eriophyes phloeocoptes] on plum sheets. (In Russian.) Sad i Ogorod 3:77. Mar.1952. 80 Sa13

6945 SHREWSBURY, J. F. D., and BARSON, G. J. The flora of the intestinal tract of the terrestrial isopod commonly known as the wood-louse. J. Path. & Bact. 64: 619-625. July 1952. 448.8 J82
In Armadillidium and Porcellio.

6946 SMITH, M. A. The British amphibians & reptiles. London,Collins,1951. 318 p. (The New Naturalist; a Survey of British Natural History 20) 415 Sm6B
Includes acarine parasites of British amphibia and reptiles.

6947 SOROKIN, S. V. Remarks on the ecology of grain mites [Tyroglyphoidea] in nests of ants. (In Russian.) Zool. Zhur. 31:544-548. July/Aug.1952. 410 R92

6948 SPENCER, H., and NORMAN, P. A. Increases in citrus red mite [Metatetranychus citri] infestations after the application of parathion sprays. Fla. Ent. 35: 87-90. Sept.1952. 420 F662

6949 SPEYER, C. R. Red spider-mite [Metatetranychus ulmi]—its reactions to changes of environment. Tomato & Cucumber Mktg. Bd. J 1(3):11,13,15,17. May 1952. 280.3919 T591

6950 STANILAND, L. N., and STONE, L. E. W. Symphilid [Scutigerella immaculata Newport] damage to tomatoes. Plant Pathol. 1:87-88. Sept.1952. 464.8 P692

6951 THEILER, G. List of standardised tick names for South Africa. Farming So. Africa 27:371-373. July 1952. 24 So842

6952 THOMAS, M. L'instinct chez les araignées: observations sur Lycosa radiata Latrielle. Soc. Ent. de Belg. B. et Ann. 88:82-90. Apr.29,1952. 420 B41

6953 THOMPSON, R. K., and WHIPP, A. A. New chemicals for control of citrus red mite Paratetranychus citri (McG). Fla. State Hort. Soc. Proc. 64:35-39. 1951, pub.1952. 81 F66

6954 THOMPSON, W. L., and GRIFFITHS, J. T., JR. The purple mite [Metatetranychus citri] and its control. Fla. State Hort. Soc. Proc. 63:42-47. 1950,pub.1951. 81 F66
On citrus.

6955 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The clover mite Bryobia praetiosa (Koch). Washington,1952. 1 p. 1.967 A2C62

COLEOPTERA

6956 AGUILAR, J. D'. La lutte chimique contre les taupins [Elateridae] en Bretagne. Paris,Fédération Nationale des Producteurs de Plants de Pommes de Terre,1951. 11 p. 423 Ag9

6957 ALLEN, A. A. The flight-period, etc, of Athous villosus Fourc. (Col., Elateridae). Ent. Mon. Mag. 88:212. Sept.1952. 421 En86

6958 ANICHKOVA, P. G. Measures for controlling the acorn weevil [Curculio spp.] as a means of saving the acorn harvest. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):35-36. 1952. 20 Ak1

6959 ARNETT, R. H., JR. Notes on Lyctidae (Coleoptera). U. S. Bur. Ent. & Plant Quar. E-844,4 p. Aug.1952. 1.9 En83

6960 BAGUENA CORELLA, L. Primera nota sobre Lamiinae de los territorios españoles del Golfo de Guinea (Col. Phytophagoidea). Eos 28:7-56. Ref. Jan./Mar.1952. 421 Eo7
Includes new species in Agranolamia, n.g., Monochamus, Oeax, Prosopocera, Graciella, Tragocephala, Dichostathes [i.e. Dichostates] and Phryneta.

6961 BALFOUR-BROWNE, F. The aquatic Coleoptera of South Hampshire, with some remarks on the composition of the fauna and its origin. Ent. Gaz. 3:127-160. Ref. July 1952. 421 En834

6962 BALFOUR-BROWNE, F. On the specific characters of Ilybius guttiger Gyll. and I. aenescens Thoms. (Col., Dytiscidae). Ent. Mon. Mag. 88:202-205. Sept.1952. 421 En86

6963 BARDUCCI, P. The granary weevil [Sitophilus granarius] in food pastes. (In Italian.) Italia e i Cereali 6:576-578. Nov.1951. 59.8 It1

6964 BARNES, D. F., and SIMMONS, P. Competition between saw-toothed grain beetle [Oryzaephilus surinamensis] and Indian-meal moth [Plodia interpunctella]. J. Econ. Ent. 45:750-751. Aug.1952. 421 J822

6965 BASILEWSKY, P. Sur les Coléoptères Cérambycides de Chine. Soc. Ent. de Belg. B. et Ann. 88: 66-67. Apr.29,1952. 420 B41

6966 BECHYNÉ, J. Notes sur quelques Chrysolina des Pyrénées, (Col. Chrysomelidae). Rev. Franç. d'Ent. 19:171-173. 1952. 421 R323

6967 BECKER, E. C. Nearctic click beetles of the genus Agriotes with a reorientation of the tribe Agriotini. Urbana,1952. 5 p. 427 B383
Abstract of thesis - University of Illinois.

6968 BECKHAM, C. M., and DUPREE, M. Attractants for the green June beetle [Cotinus nitida] with notes on seasonal occurrence. J. Econ. Ent. 45:736-737. Aug. 1952. 421 J822

6969 BESSON, J. Sur la biologie de Capnodis tenebrionis dans la région toulousaine. Soc. d'Hist. Nat. de Toulouse. B. 86:97-101. May 30,1951. 505 T64

6970 BOHM, H. Jetzt muss der birnknospenstecher bekämpft werden! Pflanzenarzt 5(9):5-6. Sept.1,1952. 464.9 P482
Anthonomus piri.

6971 BÖTTCHER, H. Der getreidelaufkäfer [Zabrus tenebrioides] und seine bekämpfung. Deut. Landwirt. 3:537-538. Oct.1952. 18 D4822

6972 BRAUNS, A. Zur frage der bockkäferschäden in obstbäumen. Nachrbl. des Deut. Pflanzenschutzdienstes 4:66-67. May 1952. 442.9 B832

6973 BREUNING, S. Quelques nouvelles formes de lamiaires du Musée du Congo Belge (Col. Cerambycidae). Soc. Ent. de Belg. B. et Ann. 88:91-110. Apr.29,1952. 420 B41
New species in Monochamus, Prosopocera, Charies thes, Oeax, Cnemolia, Haploeax, Falsocharies thes, Falsosophronica n.g., Epopea, Niphona, Pterolophiella n.g., Apomecyna, Eunidia, Diadelioides, Sophronica, Glenea, Obereopsis, Nupserha, Hippopsicon and Eohippopsicon.

6974 BROOKES, A. E. The Coleoptera of the Auckland and Campbell islands. Wellington,Dept.Sci. & Indus. Res.,1951. 68 p. Ref. (New Zealand Sub-Antarctic Expedition,1941-1945. Cape Expedition Series B. 5) 427 B793
Includes new species in Loxomerus, Oopterus, Austrocatops, n.g., Antarcticotectus, n.g., Lichoria, Veronicobius, Antarcticodomus, n.g., Pseudhelops, Anthribus Aucklandius, Campbellorhinus, n.g., Catodryobiolus, n.g., Phrynixus, Hycanus, Pseudohycanus, n.g., Stilbodiscus, Austroinsulus, n.g., and Acalles.

6975 CAMERON, M. New species of Staphylinidae (Col.) from New Guinea and Misool. Treubia 21:241-256. Aug.1,1952. 410 T72
In Eleusis, Priochirus, Phloeonomus, Oxytelus, Stenus, Pinophilus, Palaminus, Paederus, Astenus, Philonthus, Hesperus, Creophilus, Quedius, Atanygnathus and Gyrophaena.

6976 CANADA. DEPT. OF AGRICULTURE. SCIENCE SERV. DIV. OF FOREST BIOLOGY. Prevention of damage by borers in softwood logs or fire-killed timber, by L. J. Simpson. Ottawa,1951. 5 p. 423 C1682
Monochamus scutellatus.

6977 CASHMAN, E. F. Effect of parental feeding on rate of development of offspring of the confused flour beetle, Tribolium confusum Duv. (Coleoptera: Tenebrionidae). Ent. Soc. Ontario. Annu. Rpt. 82:74-77. 1951,pub.1952. 420 On8

6978 COIFFAIT, H. Formes nouvelles de Carabiques pyrénéens. Rev. Franç. d'Ent. 19:188-192. 1952. 421 R323
In Trechus and Haptoderus.

6979 DANIELS, L. B. Better flea beetle [Epitrix cucumeris] control is needed. Colo. Farm & Home Res. [Colo. Sta.] 3(2):3. July/Aug.1952. 100 C712Co

6980 DARLINGTON, P. J., JR. The carabid beetles of New Guinea. 2. The Agonini. Harvard U. Mus. Compar. Zool. B. 107:89-252. Aug.1952. 500 H26B
Includes new genera Tarsagonum, Notagonum, Plicagonum, Lithagonum, Iridagonum, Altagonum, Maculagonum, Potamagonum, Gastragonum, Idiagonum, Montagonum, Nebriagonum, Laevagonum and Fortagonum; also new species in Arhytinus, Euplenes [i.e. Euplynes], Lorostemma and Colpodes.

6981 DEBATISSE, G. Captures de Cérambycides. Soc. Ent. de Belg. B. et Ann. 88:59-60. Apr.29,1952. 420 B41

6982 DEBATISSE, G. Coléoptères intéressants pour la faune belge. Soc. Ent. de Belg. B. et Ann. 88:60-61. Apr.29,1952. 420 B41

6983 DEBATISSE, G. Cortodera humeralis Schall. et Pidonia lurida F. (Col. Cérambycides) en Belgique. Soc. Ent. de Belg. B. et Ann. 88:62-63. Apr.29,1952. 420 B41

6984 DEBATISSE, G. Note sur Grammoptera variegata Germ. (Col. Cérambycide). Soc. Ent. de Belg. B. et Ann. 88:61-62. Apr.29,1952. 420 B41

6985 DICKASON, E. A. A case bearing coleopteron, Diachus auratus (F.). J. Econ. Ent. 45:751. Aug.1952. 421 J822

6986 DILLON, L. S. The Hawaiian species of Lagocheirus (Coleoptera: Cerambycidae). Ent. News [Philadelphia] 63:207-209. Oct.1952. 421 En88

6987 DJURIĆ, J. Lixus subtilis Sturm—a little known enemy of sugar beet. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):14-15. July 1952. 21.5 V87

6988 DODDS, S. E., and EWER, D. W. Effect of desiccation on the humidity response of Tenebrio. Nature [London] 170:758. Nov.1,1952. 472 N21

6989 DOMINICK, C. B. Green June beetle [Cotinis nitida] larvae control in tobacco plantbeds. Va. Agr. Expt. Sta. B. 454,15 p. June 1952. 100 V81S

6990 DUFFY, E. A. J. A synopsis of the genus Cordylomera Serville (Coleoptera, Cerambycidae). Ann. & Mag. Nat. Hist. (ser.12)5:797-813. Sept.1952. 410 An77

6991 ESPAÑOL COLL, F. Mas Tenebrionidos del Sahara español (Col.). Eos 28:71-76. Jan./Mar.1952. 421 Eo7

Includes a new species in Nesotes.

6992 FAGEL, G. Staphylinidae intéressants de Belgique. Soc. Ent. de Belg. B. et Ann. 88:68-69. Apr.29,1952. 420 B41

6993 FRANCISCOLO, M. Twenty-first contribution to the knowledge of Mordellidae (Col. Heteromera). South. Rhodesia. Natl. Mus. Occas. Papers 2:453-459. July 2,1952. 515 R342

Includes new species in Hoshihananomia, Pselaphostena n.g., and Mordellistena.

6994 FRANCKE-GROSMANN, H. Triebstechende und -schneidende rüsselkäfer als schädlinge an kulturweiden. Nachrbl. des Deut. Pflanzenschutzdienstes 4:49-51. Apr.1952. 442.9 B832

Rhynchites species.

6995 FRANZ, H. Zur kenntnis der Westmediterranen Scydmaenus-arten aus dem subgenus Eustemmus (Coleopt., Scydmaenidae). Eos 28:57-69. Jan./Mar. 1952. 421 Eo7

Includes new species.

6996 FREEMAN, J. A. Laemophloeus spp. as major pests of stored grain. Plant Pathol. 1:69-76. Ref. Sept. 1952. 464.8 P692

6997 FREY, W. Der kornkäfer [Sitophilus granarius] und andere schädlinge im getreidespeicher. Deut. Müller-Ztg. 50:422-423. Aug.20,1952. 298.8 Su2

6998 GHILLINI, G. A. Traumatic injury and deterioration of cherries and peaches. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:174-182. July/Aug. 1952. 86 R22

English summary.

Caused by Scolytus rugulosus.

6999 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Chafer beetles. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 235,rev.,4 p. Aug.1952. 10 G79La

Scarabaeidae.

7000 GREEN, J. A coccidian infecting Cylindronotus laevioctostriatus (Goeze) (Col., Tenebrionidae). Ent. Mon. Mag. 88:207-208. Sept.1952. 421 En86

7001 GRINOLS, W. Beetle infestation threat to Inland Empire forests; tree harvest to be rushed. Miss. Val. Lumberman 84(11):6-8. Oct.31,1952. 99.81 M69

Dendroctonus engelmanni.

7002 GUIGNOT, F. Description de Dytiscides inédits de la collection Régimbart et de quelques autres espèces et variétés nouvelles. Rev. Franç. d'Ent. 19: 166-171. 1952. 421 R323

New species in Laccophilus.

7003 GUIGNOT, F. Un nouveau Copelatus (Col., Dytiscidae) du Venezuela. Acta Biol. Venezuelica 1:47-48. Nov.26,1951. 475 Ac86

7004 HARVEST plan to check spruce beetle in Inland Empire area. Timberman 53(12):96,98,100,103. Oct. 1952. 99.81 T484

Dendroctonus engelmanni.

7005 HASTINGS, E., and PEPPER, J. H. Early spray applications to control alfalfa weevil [Hypera postica]. J. Econ. Ent. 45:707-711. Aug.1952. 421 J822

7006 HOOD, J. D. The story of Hartonymus hoodi Casey (Coleoptera: Carabidæ). N. Y. Ent. Soc. J. 60:173-177. Sept.1952. 420 N48J

7007 HOWDEN, H. F., and RICHTER, P. O. Biology of Deltochilum gibbosum (Fab.) with a description of the larva. Coleopterists' B. 6:53-57. Aug.1952. 421 C674

7008 HUGHES, G. M. Abdominal mechano-receptors in Dytiscus and Locusta. Nature [London] 170:531-532. Ref. Sept.27,1952. 472 N21

7009 JACKSON, D. J. Observations on the capacity for flight of water beetles. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:57-70. Ref. Sept.15,1952. 420 L84Pa

7010 JANCKE, O. Weitere untersuchungen über den birnprachtkäfer und seine bekämpfung. Höfchen-Briefe 5:63-74. 1952. 464.8 H67

Agrilus sinuatus.

7011 JANSSENS, A. Pileotrichius maynéi Burgeon. Soc. Ent. de Belg. B. et Ann. 88:65. Apr.29,1952. 420 B41

7012 JEANNEL, R. Les Anillini de Madagascar (Coleoptera Bembidiitae). Rev. Franç. d'Ent. 19:133-139. 1952. 421 R323

Includes new species in Anillopsis.

7013 JEANNEL, R. Sur quelques Psélaphides de Java. Ent. Ber. 14:138-143. Sept.1,1952. 420 N38B

Includes new species in Eupines, Anasidius n.g. Bryaxis, Batrisophyma, Tyraphus and Curculionellus.

7014 JOHN, H. Neue species der gattung Parmaschema Heller. aus der collection Grouvelle (Col. Notiophygidae). Rev. Franç. d'Ent. 19:159-165. 1952. 421 R323

7015 JOLIVET, P. A propos d'un entomophyte de Chrysocarabus auronitens F. Soc. Ent. de Belg. B. et Ann. 88:67-68. Apr.29,1952. 420 B41

7016 KAMP, H. J. Ratschläge für das auszeichnen von "buchenprachtkäferbuchen." Holz-Zentbl. 78:1451. Aug.30,1952. 99.81 H742

Agrilus viridis.

7017 KANGAS, E. Die finnischen Euplectus-arten (Col., Pselaphidae). Suomen Hyönteistieteellinen Aikakausk. 17:136-148. Ref. 1951. 421 Su7

7018 KURENTSOV, A. I. Bark beetles and bare mountains. (In Russian.) Priroda 41(5):110-111. May 1952. 410 P933

7019 KUZNETSOV, V. I. Pine planting in deep furrows as a method of protection against May beetles [Melolontha]. (In Russian.) Lesn. Khoz. 5:78-79. Jan. 1952. 99.8 L5622

7020 LAMB, K. P. Note on the survival without food of Australian carpet beetle larvae (Anthrenocerus australis (Hope)) (Coleoptera: Dermestidae). New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:67-68. July 1952. 514 N48B

7021 LEPESME, P. Lamiaires nouveaux de l'Ouest Africain. 3. Mus. Natl. d'Hist. Nat. B. (ser.2)24: 87-88. Jan.1952. 410.9 P213

Includes new species in Melanopolia.

7022 LILLY, J. H., and GUNDERSON, H. Fighting the corn rootworm [Diabrotica longicornis]. Co-op Grain Q. 10(3):77-79. Sept.1952. 280.28 C7898

7023 LOUWERENS, C. J. New Carabidae from the Malay Archipelago (Col.) (3rd communication on Oriental Carabidae). Treubia 21:211-229. Aug.1,1952. 410 T72

Includes new species in Coleolissus, Acupalpus, Anaulacus, Homothes, Stenotelus, Lachnoderma, Omobrus, Allophanes, Allophanopsis n.g, Dromius, Coptodera, Oxydontus, Dolichoctis, Pentagonica and Galerita.

7024 LUNA ERCILLA, C. A. Nueva plaga del "palo borracho." Chacra 22(263):66. Oct.1952. 9 C34

Lonchophorus obliquus.

7025 MACSWAIN, J. W. A synopsis of the genus Gnathium, with description of new species (Coleoptera, Meloidae). Wasmann J. Biol. 10:205-224. Summer 1952. 442.8 W28

7026 MAKSIMOVIC, M. Experimental breeding of Calosoma sycophanta L. and Calosoma inquisitor L. as enemies of the gypsy moth [Porthetria dispar]. (In Serbo-Croatian.) Beograd. U. Sumarski Fakul. Glasnik 3:183-196. 1951. 99.9 B415

English summary.

7027 MALMUS, N. Erfahrungen mit nebelgeräten insbesondere mit dem neuen schwingfeuer-nebelgerät in der maikäferbekämpfung. Pflanzenschutz 4:18-24. Ref. Feb.1952. 464.8 P48

Control of Melolontha melolontha.

7028 MARSHALL, SIR G. A. K. New Curculionidae (Col.) from tropical Africa. Soc. Ent. de Belg. B. et Ann. 88:70-81. Apr.29,1952. 420 B41

New species in Tanymecus, Protostrophus, Liosystates, Anaplesius, Brachycerus, Aparopionella, Faustiella, Scaphus n.g., and Tetraclerus n.g.

7029 MARTINEZ, A. Notas sobre Meloidae, II. Soc. Cient. Argentina. An. 153:254-258. 1952. 516 So1
Includes one new species in Epicauta.

7030 MATEU SANPERE, J. El genero Trymosternus Chaudoir. Eos 28:109-141. Jan./Mar.1952. 421 Eo7
Includes new species.

7031 MATHLEIN, R. Undersökningar över uppkomst av DDT-resistens hos kornvivel, Calandra granaria L. [Investigations into the development of resistance to DDT in the grain weevil, Calandra granaria L.]. Sweden. Stat. Växtskyddsanst. Meddel. 62,20 p. 1952. 464.9 Sw3M
English summary.

7032 MAXWELL, C. W. B. The overwintering habits of the strawberry weevil, Anthonomus signatus Say (Coleoptera: Curculionidae), in New Brunswick. Ent. Soc. Ontario. Annu. Rpt. 82:25-28. 1951,pub.1952. 420 On8

7033 MERKER, E. Das wetter der jahre 1939 bis 1950 und sein einfluss auf die massenvermehrung des grossen fichtenborkenkäfers [Ips typographus] in Südbaden. Allg. Forst- u. Jagdztg. 124:1-22. (Concl.) Ref. Oct.1,1952. 99.8 AL3

7034 MIRE, P. B. DE. Contribution a l'étude des Bembidiitae d'Afrique française prédesertique, (Col. Trechidae). Rev. Franç. d'Ent. 19:139-159. 1952. 421 R323
New species in Eotachys, Tachyura and Nototachys.

7035 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Carnivorous beetles (Coleoptera) are beneficial insects. Agr. Gaz. N. S. Wales 63:318-319. June 2,1952. 23 N472

7036 NISHIO, Y. Coleoptera found in the paddy fields of the north temperate region of Japan. Coleopterists' B. 6:58-60. Aug.1952. 421 C674

7037 NORMAND, H., and THEROND, J. Nouveaux Histérides (Saprinini) d'Afrique du Nord. Rev. Franç. d'Ent. 19:175-178. 1952. 421 R323
New species in Saprinus; new subspecies in Hypocaccus.

7038 NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. The [red and black] turpentine beetle [Dendroctonus valens and Dendroctonus terebrans] in North Carolina. N. C. Agr. Col. Ext. Folder 91,6 p. Sept.1952. 275.29 N811Ex

7039 NOSEK, J. Biocenological problems of the bark beetle fauna of Jeseniky-Mountains. (In Czech.) Brünn. Vysoká Šk. Zeměděl. a Lesn. Sborn. 3/4:103-117. Ref. Dec.31,1951. 105.92 B833
English summary.

7040 OWEN, J. A. Agabus biguttatus Ol. (Col., Dytiscidae), Laccobius atratus Rottenb. (scutellaris Brit. Auctt.) (Col., Hydrophilidae) and other water beetles from Rhum, Scotland. Ent. Mon. Mag. 88:213. Sept. 1952. 421 En86

7041 PARDO ALCAIDE, A. Contribucion al conocimiento de la fauna entomologica Marroqui. IV. Los Ebaeus (Col. Malach.) del grupo del thoracicus (Fourc.), con descripcion de una nueva especie de Marruecos. Eos 28:77-82. Jan./Mar.1952. 421 Eo7

7042 PERTTUNEN, V. The humidity preferences of various carabid species (Col., Carabidae) of wet and dry habitats. Suomen Hyönteistietellinen Aikakausk. 17:72-84. Ref. 1951. 421 Su7

7043 PETRIK, A. Žitni bauljar i njegovo suzbijanje [Zabrus gibbus and its control]. Beograd,Zadružna Knjiga,1951. 34 p. (Praktična Poljoprivredna Knjiga) 427 P442
Grain pest.

7044 POPE, R. D. The deletion of Pullus ater (Kugelann) and P. testaceus (Motschulsky) (Col., Coccinellidae) from the British list. Ent. Mon. Mag. 88:224-225. Oct.1952. 421 En86

7045 RAZET, P., and BARBOTIN, F. Description de quelques cas de tératologie observés chez des insectes Coléoptères. Soc. Sci. de Bretagne B. (Sci. Math. Phys. et Nat.) 25:69-76. 1950,pub.May 20,1952. 505 R292

7046 REISINGER, E. Kartoffelkäfer [Leptinotarsa decemlineata] rück- und ausblick. Kärntner Bauer 102: 531-532. Oct.1,1952. 19 K14

7047 RUIZ CASTRO, A. Altica o cuquillo de la vid (Haltica ampelophaga, Guer). Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 5-52, 12 p. Mar.1952. 15 H68

7048 RUIZ CASTRO, A. Altica o cuquillo de la vid (Haltica ampelophaga, Guer). Vinos, Viñas y Frutas 48: 121-124. Aug.1952. 9 Ag89

7049 RUMMUKAINEN, U. Koivun mantokuoriaisen, Scolytus ratzeburgi Jans. luontumuksesta. On the inclination of birch sapwood borer, Scolytus ratzeburgi Jans. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 40(8),14 p. 1952. 99.9 F493
English summary.

7050 SAALAS, U. Zur kenntnis der früheren entwicklungsstadien von Carpophilus ligneus Murray (Col., Nitidulidae). Suomen Hyönteistieteellinen Aikakausk. 17: 65-72. Ref. 1951. 421 Su7

7051 SCHALLER, F. Der flug von Sisyphus schaefferi. Naturwissenschaften 39:455. Oct.1,1952. 474 N213

7052 SCHMIDT, G. Beobachtungen an dem fliederknospenrüssler (Otiorrhynchus lugdunensis Boh.). Nachrbl. des Deut. Pflanzenschutzdienstes 4:81-82. June 1952. 442.9 B832

7053 SCHMIDT, H. Splintholzkäfer (Lyctidae), tierische holzschädlinge. Holz als Roh- u. Werkst. 10: 297-298. July 1952. 99.81 H74

7054 SCHREIER, O. Der rapsglanzkäfer [Meligethes aeneus]. Bundesanst. f. Pflanzenschutz. Flugbl. 85,2 p. 1952. 464.9 V672F

7055 SELLKE, K. Kornkäfereinstäubemittel und ihr verhalten im behandelten getreide. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:121-127. Ref. July 1952. 464.9 N11
Sitophilus granarius.

7056 SHLÂKHANOV, and DARAGAN. Utilization of benzene hexachloride in pine planting [against cockchafer larvae]. (In Russian.) Lesn. Khoz. 5:79-81. Jan.1952. 99.8 L5622

7057 SPRENG, H. Maikäferbekämpfung 1951 in der Schweiz. Gesunde Pflanzen 4:248-250. Sept.1952. 464.8 G33
Melolontha melolontha.

7058 STEEL, W. O., and HOWE, R. W. A new species of Laemophloeus (Col.: Cucujidae) associated with stored products. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:86-88. June 16,1952. 420 L84Pb
L. pusilloides n. sp.

7059 STEPHAN, F. Kartoffelkäferbekämpfung 1951. Bauer 4(35):9-10. Oct.20,1951. 19 B32
Leptinotarsa decemlineata in Austria.

7060 SZUMKOWSKI, W. El "algodon de sabana" Cienfuegosia affinis (H. B. K.) Kochr., huesped del "picudo del algodon" Anthonomus grandis Boh. en Venezuela. Agron. Trop. 1:279-286. Jan./Mar.1952. 26 Ag87
English summary.

7061 UHMANN, E. Austral-asiatische Hispinae. 9. Dicladispa-arten und Dicladispa occator (Brullé). 127. Beitrag zur kenntnis der Hispinae (Coleoptera, Chrysomelidae). Treubia 21:231-239. Aug.1,1952. 410 T72

7062 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Japanese beetle [Popillia japonica] shippers guide. Washington?1952. 37 p. 1.967 J2J27

7063 VENET, M. Recherches biologiques et thérapeutiques sur la capnode noir des rosacées (Capnodis tenebrionis L.) à Sefrou en 1949. Morocco. Serv. de la Défense des Vég. Trav. Orig. 2,28 p. Dec.1951. 464.9 M82

7064 VIRKKI, N. Zur zytologie einiger Scarabaeiden (Coleoptera); studien an der spermatogenese. Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon Eläintiet. Julkaisu. 14(3),104 p. Ref. 1951. 410.9 Su7E

7065 VOGT, E. Die bekämpfung der blattrandkäfer (Sitona-arten) mit verschiedenen stäubemitteln. Höfchen-Briefe 5:89-91. 1952. 464.8 H67

7066 VRYDAGH, J. M. Bostrychidae paléartiques: le genre Scobicia Lesne. Soc. Ent. de Belg. B. et Ann. 88:58-59. Apr.29,1952. 420 B41

7067 WALKLEY, L. M. Revision of the Lathridiini of the State of Washington (Coleoptera, Lathridiidae). Ent. Soc. Wash. Proc. 54:217-235. Oct.1952. 420 W27
Includes a new species in Stephostethus.

7068 WARNER, R. E. Another European weevil, Pentarthrum huttoni Woll. in North America. Coleopterists' B. 6:51-52. Aug.1952. 421 C674

7069 WEINMAN, C. J. Effect of early season sprays against plum curculio [Conotrachelus nenuphar] on peaches. J. Econ. Ent. 45:646-651. Aug.1952. 421 J822

7070 WESSEL, R. D., and POLIVKA, J. B. Soil pH in relation to Japanese beetle [Popillia japonica] populations. J. Econ. Ent. 45:733-735. Aug.1952. 421 J822

7071 YANAGISAWA, T. On the control of bark beetles and some injurious insects of Ezo-spruce and Todo-fir by DDT. (In Japanese.) Rin-Go-Shiken-Hokoku 53:103-116. July 1952. 99.8 R47
English summary.
Picea jezoensis and Abies sachalinensis.

7072 ZENÍAKIN, L. A., and KOZHEVNIKOVA, G. V. Dusting seeds of grain crops with benzene hexachloride as a method for controlling wireworms. (In Russian.) Sovet. Agron. 10(8):83-86. Aug.1952. 20 So84

DIPTERA

7073 AABYE, J. S. Die bekämpfung der dasselfliege [Hypoderma bovis] in Dänemark. Leder 3:204-205. Sept.1952. 303.8 L492

7074 AGRELL, I. Nucleic acid metabolism during insect metamorphosis. Nature [London] 170:543. Sept.27,1952. 472 N21
Experiments with Calliphora erytheocephala.

7075 ALEXANDER, C. P. Undescribed species of crane-flies from the western United States and Canada (Dipt.: Tipulidae). XIII. Ent. News [Philadelphia] 63:233-237. Nov.1952. 421 En88
In Neolimnophila and Erioptera.

7076 ALEXANDER, C. P. Undescribed species of Nematocerous Diptera. I. Brooklyn Ent. Soc. B. 47:88-94. Oct.1952. 420 B79
In Trichocera, Philorus, Blepharocera and Curupira.

7077 ALEXANDER, M. L. X-ray induced mutation rates at specific loci on the third chromosome of Drosophila melanogaster. (Abs.) Genetics 37:563. Sept. 1952. 442.8 G28

7078 ALTENBURG, E., BERGENDAHL, J., and ALTENBURG, L. S. The failure of a nineteen-fold difference in intensity of ultraviolet to influence the mutation rate in Drosophila. (Abs.) Genetics 37:563. Sept.1952. 442.8 G28

7079 ALTENBURG, L. S., ALTENBURG, E., and BAKER, R. N. Evidence indicating that the mutation rate induced in Drosophila by low doses of ultraviolet light is an exponential function of the dose. Genetics 37:558-561. Sept.1952. 442.8 G28

7080 ALTENBURG, L. S., and ALTENBURG, E. The lowering of the mutagenic effectiveness of ultraviolet by photoreactivating light in Drosophila. Genetics 37:545-553. Sept.1952. 442.8 G28

7081 ALTENBURG, E., BERGENDAHL, J., and ALTENBURG, L. S. The non-effect of intensity on the mutagenesis of ultraviolet light within a nineteen-fold range in Drosophila. Genetics 37:554-557. Sept.1952. 442.8 G28

7082 ANDRETTA, M. A. V. D'. Contribution to the knowledge of the family Mydaidae: genera Mydas F., 1794 and Messiasia, n. gen. (Diptera). (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10:1-76. Ref. 1952. 410.9 Sa63
English summary.

7083 ANDRETTA, M. A. V. D'. Description of a new species of Hydrophorus (Diptera, Dolichopodidae). (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10:267-270. 1952. 410.9 Sa63
English summary.

7084 ANDRETTA, M. A. V. D', and ANDRETTA JR., C. D'. Neotropical species of the family Simuliidae (Diptera, Nematocera). VII. Redescription of Lutzsimulium pernigrum (Lutz, 1910), n. comb. and notes on the genus. (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10:307-324. Ref. 1952. 410.9 Sa63
English summary.

7085 ANDRETTA, M. A. V. D', and CARRERA, M. Results of a scientific expedition to the Territory of Acre. Diptera. (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10:293-305. 1952. 410.9 Sa63
English summary.
Includes new species in Aphoebantus, Nausigaster and Lepidostola.

7086 BAKER, W. K., and VON HALLE, E. S. The effect of oxygen concentration on the induction of dominant lethals. (Abs.) Genetics 37:565. Sept.1952. 442.8 G28
In Drosophila melanogaster.

7087 BARNES, H. F. Studies of fluctuations in insect populations. XII-XIII. Ann. Appl. Biol. 39:370-378. Sept.1952. 442.8 An72
Contarinia tritici and Sitodiplosis mosellana.

7088 BASDEN, E. B. Some Drosophilidae (Diptera) of the British Isles. Ent. Mon. Mag. 88:200-201. Sept. 1952. 421 En86

7089 BAUER, H., and BEERMANN, W. Die polytänie der riesenchromosomen. Chromosoma 4:630-648. Ref. 1950/52. 442.8 C46
Chironomus used in the experiment.

7090 BECK, E. C. Notes on the distribution of Culicoides in Florida (Diptera, Ceratopogonidae). Fla. Ent. 35:101-107. Sept.1952. 420 F662

7091 BERNARD, J., and CASIMIR, J. A propos de l'enrichissement en azote d'une bouillie de larves de Rhagoletis cerasi L. (Dipt. Trypetidae). Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:387-389. 1951. 105.1 G285

7092 BERRY, P. A. Consideraciones generales acerca del control de las moscas en las lecherias. Rev. Ganad. [San Salvador] 148:9-11. Sept./Oct.1952. 8 R3292

7093 BLOUNT, J. L. Structural and behavioral alterations of chromosomes of Drosophila treated with acetic acid. (Abs.) Genetics 37:566. Sept.1952. 442.8 G28

7094 BODENSTEIN, D., and SACKTOR, B. Cytochrome c oxidase activity during the metamorphosis of Drosophila virilis. Science 116:299-300. Sept.19,1952. 470 Sci2

7095 BOHM, O. Die veilchengallmücke, ein für Osterreich neuer zierpflanzenschädling. Pflanzenarzt 5(10):5-6. Oct.1,1952. 464.9 P482
Perrisia affinis.

7096 BONNIER, G., and LÜNING, K. G. Interaction of centromere and cytoplasm in chromosome elimination in Drosophila melanogaster. Hereditas 38:339-344. 1952. 442.8 H42

7097 BULL, A. L. Embryological effects of three second chromosomal deficiencies in Drosophila melanogaster. (Abs.) Genetics 37:569-570. Sept.1952. 442.8 G28

7098 BYERS, H. L., and MULLER, H. J. Influence of ageing at two different temperatures on the spontaneous mutation rate in mature spermatozoa of Drosophila melanogaster. (Abs.) Genetics 37:570-571. Sept.1952. 442.8 G28

7099 CAIN, A. J., COLLIN, J. E., and DEMEREC, V. R. Correct application of the name Drosophila obscura Fallen and notes on the type of D. tristis Fallen (Dipt., Drosophilidae). Ent. Mon. Mag. 88:193-196. Sept.1952. 421 En86

7100 CARRERA, M. On the genus Threnia Schiner, 1866 (Diptera, Asilidae). (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10:235-252. 1952. 410.9 Sa63
English summary.

7101 CARRERA, M., and ANDRETTA, M. A. V. D'. Report of some Asilidae and their capture. III. (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10: 253-259. 1952. 410.9 Sa63

7102 CARRERA, M. Short notes on Asilidae (Diptera). IV. Description of two new species in Atomosia and Rhopalogaster. (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10:209-212. 1952. 410.9 Sa63
English summary.

7103 CARSON, H. L. A new case of cryptic species in Drosophila. (Abs.) Science 116:518. Nov.14,1952. 470 Sci2

7104 CARSON, H. L., and BLIGHT, W. C. Sex chromosome polymorphism in a population of Drosophila americana. (Abs.) Genetics 37:572. Sept.1952. 442.8 G28

7105 COLLART, A. Cephenomyia auribarbis (Meigen) en Belgique (Diptera: Caliphoridae)? Soc. Ent. de Belg. B. et Ann. 88:66. Apr.29,1952. 420 B41

7106 COLLIN, J. E. Notes on some Drosophilidae (Dipt.), including five additional British species, two of them new to science. Ent. Mon. Mag. 88:197-199. Sept. 1952. 421 En86
New species in Drosophila.

7107 COLYER, C. N. Notes on Triphleba minuta F. (Dipt., Phoridae) and its immature stages. Ent. Mon. Mag. 88:226-229. Oct.1952. 421 En86

7108 CORRÊA, O. Diptera Pupipara found in Rio Grando do Sul. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(13):3-7. June 1952. 49.9 R47
Lipoptena cervi, Melophagus ovinus, and Pseudolynchia maura.

7109 DAVIES, D. M. The population and activity of adult female black flies in the vicinity of a stream in Algonquin Park, Ontario. Canad. J. Zool. 30:287-321. Oct.1952. 470 C16D

7110 DETHIER, V. G. Adaptation to chemical stimulation of the tarsal receptors of the blowfly [Phormia regina]. Biol. B. 103:178-189. Ref. Oct.1952. 442.8 B52

7111 DICKE, R. J., MOORE, G. D., and HILSENHOFF, W. L. House fly response to volatilized chlorinated hydrocarbon insecticides. J. Econ. Ent. 45:722-725. Aug.1952. 421 J822

7112 DICKE, R. J., and EASTWOOD, J. P. The seasonal incidence of blowflies at Madison, Wisconsin (Diptera-Calliphoridae). Wis. Acad. Sci. Arts & Let. Trans. 41:207-217. 1952. 500 W75

7113 DIXON, S. E. The anatomy and histology of the digestive tract of Hylemya brassicae (Bouché) (Diptera: Anthomyiidae). Ent. Soc. Ontario. Annu. Rpt. 82:47-60. Ref. 1951,pub.1952. 420 On8

7114 DODGE, H. R. A possible case of blowfly myiasis in a rat, with notes on the bionomics of Bufolucilia silvarum (Mg.). Ent. News [Philadelphia] 63:212-214. Oct.1952. 421 En88

7115 DORFSCHMID, M. Untersuchungen an hafer über den befall durch die fritfliege (Oscinella frit L.) Z. f. Acker- u. Pflanzenbau 95:183-218. Ref. Sept.1952. 18 J825

7116 EDGAR, S. A., and LITTLE, C. D. Flies that breed in poultry manure and their control. (Abs.) Poultry Sci. 31:914. Sept.1952. 47.8 Am33P

7117 EDMONDSON, M., and MEYER, H. U. Influence of oxygen and of temperature on the rate of sex-linked recessive lethals induced by ultraviolet in the polar cap of Drosophila melanogaster. (Abs.) Genetics 37:578-579. Sept.1952. 442.8 G28

7118 ERK, F. C. Survival of a translocation in laboratory populations of Drosophila melanogaster. (Abs.) Genetics 37:579. Sept.1952. 442.8 G28

7119 FABERGÉ, A. C. Loss of ring chromosomes produced by X-rays in female Drosophila. (Abs.) Genetics 37:579-580. Sept.1952. 442.8 G28

7120 FRAWLEY, J. P., LAUG, E. P., and FITZHUGH, O. G. The in vivo inhibition of fly cholinesterase as a measure of microgram quantities of organic phosphate insecticides. Assoc. Off. Agr. Chem. J. 35:745-748. Aug.15,1952. 381 As7

7121 FRAWLEY, J. P., LAUG, E. P., and FITZHUGH, O. G. A procedure for the biological assay of insecticides by oral administration to flies. Assoc. Off. Agr. Chem. J. 35:741-745. Aug.15,1952. 381 As7

7122 GAGLIANI, M. Duration of the larval cycle in strains of Musca domestica L. sensitive to and resistant to DDT. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:326-329. Mar./Apr.1952. 442.8 So12

7123 GARDNER, E. J., STOTT, G. H., and DEARDEN, D. M. Modifiers of tumorous head genes in natural populations and laboratory stocks of Drosophila melanogaster. Genetics 37:451-456. Sept.1952. 442.8 G28

7124 GERBERICH, J. B. The housefly (Musca domestica Linn.), as a vector of Salmonella pullorum (Retteger) Bergy, the agent of white diarrhea of chickens. Ohio J. Sci. 52:287-290. Sept.1952. 410 Oh3

7125 GERSDORFF, W. A., MITLIN, N., and NELSON, R. H. The relative toxicity to house flies [Musca domestica] of endrin and isodrin in kerosene sprays. U. S. Bur. Ent. & Plant Quar. E-843,4 p. Aug.1952. 1.9 En83

7126 GLASS, B. Dosage curves for sex-linked lethals and dominant Minutes in Drosophila melanogaster females. (Abs.) Genetics 37:584-585. Sept.1952. 442.8 G28

7127 GOLIGHTLY, W. H. Soil sampling for wheat-blossom midges. Ann. Appl. Biol. 39:379-384. Sept.1952. 442.8 An72
Sitodiplosis mosellana and Contarinia tritici.

7128 GOWEN, J. W., and STADLER, J. Viability of Drosophila melanogaster exposed to X-ray irradiation. (Abs.) Genetics 37:586-587. Sept.1952. 442.8 G28

7129 GREEN, M. M. The Beadex locus in Drosophila melanogaster: the genotypic constitution of Bx^{Y}. Natl. Acad. Sci. Proc. 38:949-953. Nov.1952. 500 N21P

7130 GRIFFEN, A. B., and WARTERS, M. The centromeres and obscure chromosome parts in Drosophila. (Abs.) Genetics 37:588. Sept.1952. 442.8 G28

7131 GRINDLEY, D. N. The composition of the body fat of small green chironomids. J. Expt. Biol. 29:440-444. Sept.1952. 442.8 B77

7132 GROB, H. Entwicklungsphysiologische untersuchungen an den speicheldrüsen, dem darmtraktus und den imaginalscheiben einer letalrasse (lgl) von Drosophila melanogaster. Z. f. Induktive Abstam.- u. Vererblehre. 84:320-360. Ref. 1952. 442.8 Z34

7133 HAHMANN, K., and MULLER, H. W. K. Zur dauerwirkung der kontaktinsektizide bei der kohlfliegenbekämpfung. Nachrbl. des Deut. Pflanzenschutzdienstes 4:51-55. Ref. Apr.1952. 442.9 B832
Chortophila [i.e. Hylemya] brassicae.

7134 HAMPTON, U. M. Reproduction in the housefly (Musca domestica L.). Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:29-32. Ref. June 16,1952. 420 L84Pa

7135 HENNIG, W. Die larvenformen der Dipteren. 3. Berlin, Akademie-Verlag,1952. 628 p. 428 H39

7136 HERING, E. M. Fruchtfliegen (Trypetidae) von Indonesien (Dipt.) (47. Beitrag zur kenntnis der Trypetidae). Treubia 21:263-290. Aug.1,1952. 410 T72
Includes new species in Strumeta, Zeugodacus, Staurella, Colobostrella, Sophira, Themara, Acanthoneura, Pardalaspinus n.g, Carpophthoromyia, Neanomoea, Drosanthus n.g, and Paratephritis.

7137 HINTON, T., and ROBERTS, M. R. Apparent Mendelian and non-Mendelian nucleic acid requiring "mutants" in Drosophila. (Abs.) Genetics 37:590-591. Sept.1952. 442.8 G28

7138 HOLLANDE, A., and VAILLANT, F. Morphologie et biologie de la larve de Rhynchoestrus weissi Séguy, diptère parasite de l'Anacanthotermes ochraceus Burm. Soc. d'Hist. Natl. de Toulouse. B. 86:159-164. Ref. May 30,1951. 505 T64

7139 HOUSE, V. L. The interaction of some mutants affecting venation in Drosophila melanogaster. (Abs.) Genetics 37:591-592. Sept.1952. 442.8 G28

7140 HUTTEL, W., and HUTTEL, N. Un Ceratopogonide nouveau de la région méditerranéenne (Dipt. Heleidae). Rev. Franç. d'Ent. 19:178-180. 1952. 421 R323
In Forcipomyia.

7141 HUTTEL, W., and HUTTEL, N. Un Ceratopogonide nouveau [Monohelea korossoensis] du Soudan français vulnérant pour l'homme (Dipt. Heleidæ). Soc. de Path. Exot. B. 45:472-474. 1952. 448.9 So13

7142 JAMES, H. G. Natural control of Tabanidae (Diptera) in the region of Churchill, Manitoba. Ent. Soc. Ontario. Annu. Rpt. 82:70-74. 1951,pub.1952. 420 On8

7143 JAMES, M. T., and HUCKETT, H. C. The Diptera collected by I. O. Buss in southwestern Yukon Territory during the summer of 1950. Canad. Ent. 84:265-269. Sept.1952. 421 C16

7144 KANO, R., and SATO, K. Notes on the flies of medical importance in Japan. VI. Larvae of Lucilini in Japan. Jap. J. Expt. Med. 22:33-37. Feb.1952. 448.8 J272

7145 KAPLAN, W. D. The influence of Minutes upon somatic crossing-over in Drosophila. (Abs.) Heredity 6:281. Aug.1952. 443.8 H42

7146 KESSEL, E. L. A key to the genera of Clythiidae [i.e. Platypezidae] (Diptera). Wasmann J. Biol. 10: 201-204. Summer 1952. 442.8 W28

7147 KETTLE, D. S., and LAWSON, J. W. H. The early stages of British biting midges Culicoides Latreille (Diptera: Ceratopogonidae) and allied genera. B. Ent. Res. 43:421-467. Ref. Oct.1952. 421 B87

7148 KING, R. C. The mutagenic effectiveness of radioactive phosphorus in Drosophila melanogaster. (Abs.) Genetics 37:595. Sept.1952. 442.8 G28

7149 KLEIN, J. Dieldren, new weapon against houseflies. Hoard's Dairyman 97:755. Sept.25,1952. 44.8 H65

7150 KRIVSHENKO, J. D. A cytogenetic study of the Y chromosome in Drosophila buscki. Genetics 37: 500-518. Ref. Sept.1952. 442.8 G28

7151 LA FACE, L. On the heredity of DDT-and Chlordane-resistance in Musca domestica. (In Italian.) Ist. Super. di Sanit. Rend. 15:376-380. 1952. 449.9 R66
English summary.

7152 LAPIDUS, S. An important veterinary undertaking. (In Russian.) Kolkhoz. Proizvodstvo 12(6):39. June 1952. 281.8 K83
Control of flies on livestock farms.

7153 LECLERCQ, M. Diptères récoltés dans le Hainaut. Soc. Ent. de Belg. B. et Ann. 88:52-53. Feb.29, 1952. 420 B41

7154 LEFEVRE, G., JR., and HANKS, G. D. The frequency of X-ray induced white and Notch mutations in an apricot Abruptex stock as compared with wild-type in Drosophila melanogaster. (Abs.) Genetics 37:598-599. Sept.1952. 442.8 G28

7155 LEVINE, R. P., and DICKINSON, J. I. The modification of recombination by naturally occurring inversions in Drosophila pseudoobscura. (Abs.) Genetics 37:599-600. Sept.1952. 442.8 G28

7156 LEVITAN, M. A ring chromosome in wild-caught Drosophila. (Abs.) Genetics 37:600. Sept.1952. 442.8 G28

7157 LEWIS, E. B., and GENCARELLA, W. Claret and non-disjunction in Drosophila melanogaster. (Abs.) Genetics 37:600-601. Sept.1952. 442.8 G28

7158 LEWIS, E. B. The pseudoallelism of white and apricot in Drosophila melanogaster. Natl. Acad. Sci. Proc. 38:953-961. Ref. Nov.1952. 500 N21P

7159 LIENERT, E. Die dasselplage [Hypoderma sp.]. Wien,1952. 47 p. Ref. (Die Studienreise; Schriftenreihe des Österreichischen Produktivitäts-Zentrum) 428 L62

7160 LÜNING, K. G. X-ray induced chromosome breaks in Drosophila melanogaster. Hereditas 38:321-338. Ref. 1952. 442.8 H42

7161 MCGREGOR, W. S., SMITH, C. L., and RICHARDS, R. Comparison of high and low spray pressures for control of cattle grubs [Hypoderma species]. J. Econ. Ent. 45:740. Aug.1952. 421 J822

7162 MCGREGOR, W. S., and SCHOMBERG, O. C. A partial annotated list of species of the Tabanidae. J. Econ. Ent. 45:746. Aug.1952. 421 J822
Texas.

7163 MACKENDRICK, M. E., and PONTECORVO, G. Crossing-over between alleles at the w locus in Drosophila melanogaster. Experientia 8:390-391. Ref. Oct.15, 1952. 475 Ex7

7164 MAILLOT. Les Glossines, vecteurs de la maladie du sommeil, en A. E. F. Inst. d'Etudes Centrafricaines. B. (n.s.)2:63-72. 1951. 330.9 B73

7165 MEYER, H. U., and MULLER, H. J. Influence of oxygen and of temperature on the rate of autosomal recessive lethals induced by ultraviolet in the polar cap of Drosophila melanogaster. (Abs.) Genetics 37:604. Sept.1952. 442.8 G28

7166 MICKEY, G. H., and BLOUNT, J. L. Genetic evidence for somatic disjunction in Drosophila. (Abs.) Genetics 37:605. Sept.1952. 442.8 G28

7167 MILES, M. Further observations on the biology of the cabbage root fly, Erioischia [i.e. Hylemya] brassicae Bché. Ann. Appl. Biol. 39:385-391. Sept.1952. 442.8 An72

7168 MITTLER, S. Influence of amino acids upon the appearance of tumors in tu^{50j} stock of D. melanogaster. (Abs.) Genetics 37:606. Sept.1952. 442.8 G28

7169 MOLEV, E. V. In regard to the ecology of blood-sucking insects of the genus Culicoides (midges). (In Russian.) Zool. Zhur. 31:523-527. Ref. July/Aug. 1952. 410 R92

7170 MOORE, J. A. Competition between Drosophila melanogaster and Drosophila simulans. II. The improvement of competitive ability through selection. Natl Acad. Sci. Proc. 38:813-817. Sept.1952. 500 N21P

7171 NOLTE, D. J. The eye-pigmentary system of Drosophila. II-III. J. Genet. 51:130-186. Ref. July 1952. 442.8 J823

7172 OFTEDAL, P. Histology and histogenesis of Drosophila tumors. Science 116:392-393. Oct.10,1952. 470 Sci2

7173 OGLOBLIN, A. El presente estado del parasitismo de la langosta por las moscas, Acridiophaga caridei (Brethes). In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaria, p.165-171. Buenos Aires,1952. 429 C73S

7174 OLDROYD, H. Haematopota and Hippocentrum. London,1952. 226 p. Ref. (British Museum (Natural History). Dept. of Entomology. The horse-flies (Diptera: Tabanidae) of the Ethiopian region, v. I) 428 B772H
Includes new species.

7175 OLIVEIRA, S. J. DE. New Neotropical species of the genus Cardiocladius Kieffer, 1912 (Diptera, Chironomidae). (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10:133-138. 1952. 410.9 Sa63

7176 OSTER, I. I. A developmental study of lethal point mutations induced in spermatozoa of Drosophila melanogaster by ultraviolet. (Abs.) Genetics 37:611. Sept.1952. 442.8 G28

7177 OUGHTON, J. A study of turnip root maggots in Ontario. Ent. Soc. Ontario. Annu. Rpt. 82:77-84. 1951,pub.1952. 420 On8
Hylemya brassicae, H. trichodactyla and H. cilicrura as pests of rutabagas.

7178 PARMENTER, L. Notes on the Asilidae (robber flies). Ent. Rec. & J. Variation 64:263-266. (Cont.) Sept.1952. 421 En89

7179 PARMENTER, L. The pupa of Isopogon brevirostris Meigen (Diptera, Asilidae). Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:43-44. June 16,1952. 420 L84Pa

7180 PAVAN, C., and BREUER, M. E. Polytene chromosomes in different tissues of Rhynchosciara. J. Hered. 43:151-157. Ref. July/Aug.1952. 442.8 Am3

7181 PETIT, C. Un cas de haute mutabilité chez Drosophila melanogaster. Acad. des Sci. Compt. Rend. 235:745-747. Oct.6,1952. 505 P21

7182 PFEIFFER, H. H. Photoelektrische anisotropie-messungen an riesenchromosomen von Drosophila. Cellule 54:339-349. Ref. 1952. 442.8 C33
English summary.

7183 PIERETTI, O. H., and ALAYON, C. C. DE. Demostración de cromosomas gigantes en larvas de "Chironomus." Acta Cient. Venezol. 3:91-93. May/June 1952. 475 Ac83

7184 PIPKIN, S. B. Seasonal fluctuations in Drosophila populations at different altitudes in the Lebanon Mountains. Z. f. Induktive Abstam.- u. Vererblehre. 84: 270-305. Ref. 1952. 442.8 Z34

7185 PLAINE, H. L., and GLASS, B. The role of oxygen concentration in determining the effectiveness of X-rays on the action of a specific gene and on tumor formation in Drosophila melanogaster. (Abs.) Genetics 37:614-615. Sept.1952. 442.8 G28

7186 POULSON, D. F., and others. The copper metabolism of Drosophila. Natl. Acad. Sci. Proc. 38: 912-921. Oct.1952. 500 N21P
V. T. Bowen, R. M. Hilse, and A. C. Rubinson, joint authors.

7187 PREŠEREN, T. Cherry fly [Rhagoletis cerasi] and Gorica cherries. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:131-132. May/June 1952. 21.5 Sa1

7188 PRITCHARD, A. E. A new gall midge predator of mealybugs, Coccomyza donaldi (Diptera: Cecidomyiidae). B. Ent. Res. 43:477-478. Oct.1952. 421 B87

7189 RATTY, F. J., JR. Gene action and position effect in duplications in the white-Notch region of Drosophila melanogaster. (Abs.) Genetics 37:616-617. Sept.1952. 442.8 G28

7190 REEVE, E. C. R. Expression of genes affecting a quantitative character in two different environments (Abs.) Heredity 6:280. Aug.1952. 443.8 H42
Includes Drosophila melanogaster.

7191 RICHARDS, D. J. Fly control--pyrethrins advocated for spraying around livestock. West. Livestock J. 30(42):113. July 15,1952. 6 F2278

7192 RICHARDS, O. W. Brachypterous Sphaeroceridae. London,Brit. Mus.,1951. p.829-851. (Ruwenzori Expedition, 1934-5, v. 2, No. 8) 422.7 R94
Includes new genera Mesaptilotus, Binorbitalia, Aluligera, Aubertinia, Lobeliomyia and Howickia.

7193 RICHARDSON, H. P., ROBINSON, A. G., and ALLEN, W. R. Chemical control of the currant fruit fly, Epochra canadensis Loew (Diptera: Trupaneidae), in Manitoba. Ent. Soc. Ontario. Annu. Rpt. 82:29-33. 1951, pub.1952. 420 On8

7194 RIVEROS, J. E. La lucha contra la mosca de la fruta [Ceratitis capitata]. Vinos, Viñas y Frutas 48: 117-119,121. Aug.1952. 9 Ag89

7195 RIZKI, M. T. M. Ontogenetic distribution of genetic lethality in Drosophila willistoni. (Abs.) Genetics 37:619-620. Sept.1952. 442.8 G28

7196 ROBACK, S. S. An introduction to the evolution and taxonomy of the Sarcophaginae (Diptera, Sarcophagidae). Urbana,1951. 5 p. 428 R53
Abstract of thesis - University of Illinois.

7197 ROUBAUD, E. Action de l'antrycide sur les infections trypanosomiennes des tsé-tsés. Soc. de Path. Exot. B. 45:451-456. 1952. 448.9 So13

7198 ROUSSY, L. Larve secondaire du Braula cœca. Gaz. Apic. 53:99-100. Apr.1952. 424.8 G25

7199 ROUSSY, L. La nutrition des Braula cœca adultes. Gaz. Apic. 53:67,79. Mar.1952. 424.8 G25

7200 SACCÀ, G. Description of the egg and larval stages of Phlebotomus (Prophlebotomus) minutus Rondani (Diptera, Psychodidae) (In Italian.) Ist. Super. di Sanit. Rend. 15:381-394. 1952. 449.9 R66
English summary.

7201 SABROSKY, C. W. Chloropidae. London,Brit. Mus.,1951. p.711-828. (Ruwenzori Expedition, 1934-5, v. 2, No. 7) 422.7 R94
Includes new species in Mepachymerus, Elachiptereicus, Chromatopterum, Siphlus, Chlorops, Parectecephala, Mimosepsis n.g., Rhodesiella, Goniopsita, Siphunculina, Tricimba, Elachiptera, Pseudogaurax, Gaurax, Camptoscinella n.g., Anomoeoceros, Stenoscinis, Oscinella, Conioscinella, Tropidoscinis.

7202 SABROSKY, C. W. A new larvaevorid fly [Eucelatoriopsis parkeri] parasitic on tortoise beetles [Chrysomelidae] in South America (Diptera). Wash. Acad. Sci. J. 42:325-327. Oct.1952. 500 W276J

7203 SANTOS, E. Sanitation on the dairy farm. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C. C. P. L. 5:215. July 1952. 44.8 B634
Fly control.

7204 SCHIFINI, H. A. Oestrosis ovina en Guatemala (el "gusano de la nariz de las ovejas y cabras"). Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):27-29. July/Dec.1950,pub.July 10,1952. 8 G934
Caused by Oestrus ovis.

7205 SCHOMBERG, O. Larval habitat of Tabanus sulcifrons in Oklahoma. J. Econ. Ent. 45:747. Aug.1952. 421 J822

7206 SCHOOF, H. F., SIVERLY, R. E., and JENSEN, J. A. House fly dispersion studies in metropolitan areas. J. Econ. Ent. 45:675-683. Aug.1952. 421 J822

7207 SCOTT, H. Oviposition in Bombylius (Dipt., Bombyliidae). Ent. Mon. Mag. 88:216. Sept.1952. 421 En86

7208 SÉGUY, E. Andrenosoma nouveaux de France, (Dipt. Asilidae). Rev. Franç. d'Ent. 19:192-196. 1952. 421 R323

7209 SHAT'KO, P. D. Role of horse flies [Tabanus spp.] as vectors of emphysematous carbuncle in cattle. (In Russian.) Veterinariia 29(7):28. July 1952. 41.8 V6426

7210 SHIHATA, A. M. E. A., and MRAK, E. M. Intestinal yeast floras of successive populations of Drosophila. Evolution 6:325-332. Ref. Sept.1952. 443.8 Ev62

7211 SIMMONDS, F. J. Parasites of the frit-fly, Oscinella frit (L.), in eastern North America. B. Ent. Res. 43:503-542. Ref. Oct.1952. 421 B87

7212 SMITH, C. C. The life-history and galls of a spruce gall midge, Phytophaga piceae Felt (Diptera: Cecidomyiidae). Canad. Ent. 84:272-275. Sept.1952. 421 C16

7213 SOFRONOV, N. V., and LYSOV, M. V. Control of Oestrus ovis larvae on Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):56-58. May/June 1952. 49 K14

7214 SOKOLOVA, L. M. Skin warble fly [Hypoderma bovis] and measures for controlling it. (In Russian.) Sotsialist. Zhivotnovod. 14(4):43-46. Apr.1952. 49 So71

7215 SPIESS, E. B., TERRILE, B. A., and BLUMENHEIM, U. Wing-beat frequency and wing dimensions as properties of gene arrangement carriers in Drosophila persimilis. (Abs.) Genetics 37:628. Sept.1952. 442.8 G28

7216 SPIETH, H. T. Mating behavior within the genus Drosophila (Diptera). Amer. Mus. Nat. Hist. B. 99:399-474. Ref. 1952. 500 N483B

7217 SPURWAY, H., and PHILIP, U. Genetics and cytology of Drosophila subobscura. VII. J. Genet. 51:198-215. July 1952. 442.8 J823

7218 STALKER, H. D. Diploid and triploid parthenogenesis in the Drosophila cardini species group. (Abs.) Genetics 37:628-629. Sept.1952. 442.8 G28

7219 SYLVEN, E. Några hortikulturellt anmärkningsvärda gallmyggor [Some horticulturally remarkable gall midges]. Sweden. Stat. Växtskyddanst. Meddel. 61, 12 p. Ref. 1952. 464.9 Sw3M
English summary.
Dasyneura schneideri, D. tetensi, Contarinia quinquenotata and Thomasiniana theobaldi.

7220 THEOWALD, B. Some new and rare Diptera. (In Dutch.) Ent. Ber. 14:131. Sept.1,1952. 420 N38B

7221 THOMPSON, G. B. Records of British Hippoboscidae. Scot. Nat. 64:70-73. Ref. Autumn 1952. 410 Sco3

7222 TOKUNAGA, C. Genetic studies on Aphiochaeta sp. III. Reverse mutation found in short arista mutant. 4. (In Japanese.) Jap. J. Genet. 27:38-47. Ref. Apr.1952. 442.9 J27
English summary.

7223 VALENCIA, J. I. Chromosome changes in Drosophila melanogaster spermatozoa induced by mutagenically comparable doses of X-rays and ultraviolet. (Abs.) Genetics 37:633. Sept.1952. 442.8 G28

7224 VALENCIA, R. M., and VALENCIA, J. I. The ineffectiveness of extra heterochromatin in influencing mutation rate in Drosophila melanogaster females. (Abs.) Genetics 37:633-634. Sept.1952. 442.8 G28

7225 VAN EMDEN, F. I. Muscidae. C. Scatophaginae, Anthomyiinae, Lispinae, Fanniinae and Phaoniinae. London,Brit. Mus.,1951. p.325-710. (Ruwenzori Expedition, 1934-5, v. 2, No. 6) 422.7 R94
Includes new species in Limnophora, Spilogona, Prohydrotaea n.g., Gymnodia, Xenomyia, Helina and Mydaea.

7226 VARGAS, L. Algunos aspectos de la ecología de las larvas de simúlidos en relación con la transmisión de Onchocerca volvulus en Chiapas. Medecina 32:353-361. Ref. Aug.10,1952. 448.8 M4693
English summary.

7227 VERBEKE, J. Tæniapterinæ (Diptera Cyclorrhapha) fam. Micropezidæ. Inst. des Parcs Nationaux du Congo Belge. Exploration du Parc Natl. Albert. Mission G. F. de Witte (1933-1935) 72,106 p. Ref. 1951. 411.3 K83
Includes new species in Aristobatina n.g., Cyclosphen, Tanypomyia, n.g., Glyphodera and Cephalosphen.

7228 VOCKEROTH, J. R. A new Nearctic species of Rhaphium, with notes on other species (Diptera: Dolichopodidae). Canad. Ent. 84:276-280. Sept.1952. 421 C16

7229 VON ZUBEN, F. J., JR., OGDEN, L. J., and PEEL, R. E. House fly breeding at sewage treatment plants in Texas. Sewage & Indus. Wastes 24:1303-1305. Oct.1952. 293.8 Se8

7230 WADDINGTON, C. H., and CLAYTON, R. A note on some alleles of aristapedia. J. Genet. 51:123-129. Ref. July 1952. 442.8 J823
Drosophila melanogaster.

7231 WALL, W. J., JR., and BAILEY, S. F. Repellency of cotton tufts to flies. J. Econ. Ent. 45:749-750. Aug.1952. 421 J822

7232 WALLACE, B. The estimation of adaptive values of experimental populations. Evolution 6:333-341 Sept.1952. 443.8 Ev62
Effect of irradiation on Drosophila melanogaster.

7233 WARD, C. L., and ALEXANDER, M. L. A cytological analysis of X-ray-induced mutations in Drosophila melanogaster. (Abs.) Genetics 37:634-635. Sept.1952. 442.8 G28

7234 WILCOX, J., and HOWLAND, A. F. Control of a dipterous leaf miner on tomatoes in California. J. Econ. Ent. 45:634-639. Aug.1952. 421 J822
Liriomyza species.

7235 WILNED. Gastrofilo o gusano del cuajo es la larva de una mosca que parasita a los caballos. Mundo Agr. 4(39):77-78. Aug.1952. 9 M92
Oestrus equi.

7236 WIRTH, W. W. The immature stages of two species of Florida salt marsh sand flies (Diptera, Heleidae). Fla. Ent. 35:91-100. Ref. Sept.1952. 420 F662
Culicoides species.

7237 WIRTH, W. W. Three new Nearctic species of Systenus with a description of the immature stages from tree cavities (Diptera, Dolichopodidae). Ent. Soc. Wash. Proc. 54:236-244. Ref. Oct.1952. 420 W27

7238 WOOD, H. G. The crane-flies of the South-West Cape (Diptera, Tipuloidea). So. African Mus. Ann. 39,327 p. Ref. May 1952. 515 So82
Includes new species in Dolichopeza, Longurio, Pseudolimnophila, Limnophila, Teucholabis, Rhabdomastix, Erioptera and Platylimnobia.

7239 YANDERS, A. F. X-ray induced chromosome aberrations and dominant lethals in Drosophila robusta. (Abs.) Genetics 37:638. Sept.1952. 442.8 G28

Culicidae

7240 BRITISH MUSEUM (NAT. HIST.) DEPT. OF ENTOMOLOGY. Mosquitoes of the Ethiopian region. pt. 1, by G. H. E. Hopkins. Ed. 2. London,1952. 355 p. Ref. 428 B772M

7241 BROWN, A. W. A. Rotary brush units for aerial spraying against mosquitoes and black flies. J. Econ. Ent. 45:620-625. Aug.1952. 421 J822

7242 COVA GARCIA, P. Distribucion geografica y datos bionomicos de los anofelinos de Venezuela. Venezuela. Div. de Malariol. P. 10,226 p. Ref. July 25, 1951. 448.9 V55
English summary.

7243 DAVIDSON, G. Experiments on the use of DDT BHC and dieldrin against adult mosquitoes at Taveta, Kenya. Nature [London] 170:702-703. Oct.25,1952. 472 N21

7244 FALES, J. H., BODENSTEIN, O. F., and PIQUETT, P. G. Effectiveness of allethrin and pyrethrins as sprays against three species of mosquitoes. J. Econ. Ent. 45:743-744. Aug.1952. 421 J822

7245 FOOTE, R. H. A method of making whole mounts of mosquito larvae for special study. J. Parasitol. 38:494-495. Oct.1952. 448.8 J824

7246 GUINAZU, N. Conidophrys pilisuctor parasito de mosquitos. Córdoba. U. Nac. Facul. de Cien. Exact., Fis. y Nat. Rev. 14:167-173. Jan./Mar.1951. 516 C81B

7247 JONES, J. C. Prothoracic aortic sinuses in Anopheles, Culex, and Aedes. Ent. Soc. Wash. Proc. 54: 244-246. Oct.1952. 420 W27

7248 KITZMILLER, J. B., and CLARK, C. C. Salivary gland chromosomes in Culex mosquitoes. (Abs.) Genetics 37:596. Sept.1952. 442.8 G28

7249 KRUSÉ, C. W., LUDVIK, G. F., and HAWKINS, W. B. Factors affecting evaluation of insecticides against Anopheles larvae. J. Econ. Ent. 45:598-601. Aug.1952. 421 J822

7250 LANE, J., and FORATTINI, O. P. New data on Sabethini (Diptera, Culicidae). Ent. Soc. Wash. Proc. 54: 254-257. Oct.1952. 420 W27
Includes a new species in Phoniomyia.

7251 MALAYA. MALARIA ADVISORY BOARD. Malaria control by modern methods. Fed. Malaya. Malaria Adv. Bd. C. 7,19 p. July 1952. 448.9 M293
Includes mosquito control with DDT and benzene hexachloride.

7252 MONTESTRUC, E., and BLACHE, R. A propos de la transmission de la lepre par les moustiques. Inst. Pasteur de la Martinique. Arch. 5:7-10. Jan./Apr.1952. 448.9 In78A

7253 PORTMAN, R. F., and WILLIAMS, A. H. Control of mosquito larvae and other pests in rice fields by DDT. J. Econ. Ent. 45:712-716. Aug.1952. 421 J822

7254 ROUBAUD, E. Fécondation et reproduction en insectarium du culicide eurygame Theobaldia [i.e. Culiseta] annulata Schr. Soc. de Path. Exot. B. 45:469-472. 1952. 448.9 So13

7255 SENIOR WHITE, R. A. Studies on the bionomics of Anopheles aquasalis Curry, 1932. I. Indian J. Malariol. 5:293-403. Ref. Sept.1951. 448.8 In24

7256 SHARP, J. F. Adult mosquito control by air-spray in northern British Columbia and the Yukon. Canad. Ent. 84:281-291. Sept.1952. 421 C16

7257 SHUTE, P. G. Note on "crossing experiments with Culex strains." Evolution 6:345. Sept.1952. 443.8 Ev62
Refers to H. Laven's article discussing Anopheles maculipennis complex in Europe.

7258 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Protection against mosquitoes in mountain recreational camps. U. S. Bur. Ent. & Plant Quar. EC-26,8 p.-folder. Sept.1952. 1.967 A2Ec1

7259 VERMEIL, C. Contribution a l'étude d'un biotype tunisien du moustique commun, Culex pipiens L. Soc. de Path. Exot. B. 45:546-554. 1952. 448.9 So13

7260 WEST, A. S., and ELIGH, G. S. The rate of digestion of blood in mosquitoes, precipitin test studies. Canad. J. Zool. 30:267-272. Ref. Oct.1952. 470 C16D

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

7261 ABALOS, J. W., and WYGODZINSKY, P. Las Triatominae argentinas (Reduviidae, Hemiptera). Tucuman,1951. 178 p. Ref. (Tucumán, Argentine Republic (City) Universidad. Instituto de Medicina Regional. Monograffa. 2) 431 Ab1
English summary.

7262 BARBER, H. G. The genus Antillocoris Kirk. in the United States (Hemiptera—Lygaeidae). Brooklyn Ent. Soc. B. 47:85-87. Ref. Oct.1952. 420 B79

7263 BONNEMAISON, L. Déterminisme de l'apparition des formes sexuées chez les Aphidinae (Hémiptères Aphididae). Soc. d'Hist. Nat. de Toulouse. B. 86:108-112. Ref. May 30,1951. 505 T64

7264 BRADLEY, R. H. E., GANONG, R. Y., and RIDEOUT, D. W. Aphid (Homoptera: Aphididae) infestations on Chippewa, Katahdin, and the newly released blight-resistant varieties Canso and Keswick. Amer. Potato J. 29:221-224. Sept.1952. 75.8 P842

7265 BRAKMAN, P. J. Zeeland bug captures. (In Dutch.) Ent. Ber. 14:129-131. Sept.1,1952. 420 N38B
Hemiptera.

7266 CALDWELL, J. S. Facts or fiction: Chermes alni L. (Psyllidae). Ohio J. Sci. 52:286. Sept.1952. 410 Oh3

7267 CALDWELL, J. S., and MARTORELL, L. F. New leafhoppers from Puerto Rico (Cicadellidae: Homoptera). P. R. U. J. Agr. 35:88-89. Apr.1951,pub.Apr. 1952. 8 P832J
Dikraneura althaearoseae and Protalebra alliodorae, n. spp.

7268 CARAYON, J. Existence chez certains Hémiptères Anthocoridae d'un organe analogue a l'organe de Ribaga. Mus. Nafl. d'Hist. Nat. B. (ser.2)24:89-97. Ref. Jan.1952. 410.9 P213

7269 CARROLL, J. Eelworm and insect pests. III. Sap sucking insects. Agr. Ireland 9:231-233. Oct.1952. 10.5 Ag8
Chiefly Hemiptera.

7270 CARVALHO, J. C. M., and LESTON, D. The classification of the British Miridae (Hem.), with keys to the genera. Ent. Mon. Mag. 88:231-240. Oct.1952. 421 En86

7271 CARVALHO, J. C. M. Neotropical Miridae. XLVII. Notes on the Blanchard, Spinola and Signoret types in the Paris Museum. Rev. Franç. d'Ent. 19:181-188. 1952. 421 R323

7272 CARVALHO, J. C. M. Neotropical Miridae. XLIX. Koluenia gen. n. and new species of Eustictus Reuter and Lundiella Carvalho (Hemiptera). Mus. Nac. B. Nova Sér. Zool. 112,7 p. July 10,1952. 516 R47Bz

7273 CARVALHO, J. C. M. Neotropical Miridae. LI. On the present generic assignment of the species in "Bidrag till Rio Janeiro-traktens Hemipter-fauna" (Hemiptera). Rev. Bras. de Biol. 12:215-217. July 1952. 442.8 R326

7274 CARVALHO, J. C. M. Neotropical Miridae. LIII. A new genus and two new species from Haiti (Hemiptera). Acad. Bras. de Cien. An. 24:179-183. 1952. 516 R473A
New species in Haitiana n g and Paracarnus.

7275 CARVALHO, J. C. M. A new fossorial bug of the genus Scaptocoris Perty, 1830 (Hemiptera, Cydnidae). Mus. Nac. B. Nova Sér. Zool. 110,6 p. June 30,1952. 516 R47Bz

7276 CHANDLER, S. C. Control of spittle bugs on nut trees. North. Nut Growers Assoc. Annu. Rpt. 42:18-22. 1951. 94.69 N81
Clastoptera achatina.
Includes discussion.

7277 COTTIER, W., HARRISON, R. A., and JACKS, H. Control of the grapehouse mealybug (Pseudococcus maritimus Ehr.). New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:266-276. Oct.1952. 514 N48A

7278 COURANJOU, A. La poussière [Parlatoria] cette ennemie des orangers. Fruits et Primeurs de l'Afrique du Nord 22:307-308. July/Aug.1952. 80 F9482

7279 DEAN, H. A. Lady beetle kills cottony cushion scale. Tex. Farming & Citricult. 29(5):12-13. Nov.1952. 80 T31
Icerya purchasi controlled by Rodolia cardenalis.

7280 DENNIS, C. J. The Membracidae of Wisconsin. Wis. Acad. Sci. Arts & Let. Trans. 41:129-152. 1952. 500 W75

7281 DRAKE, C. J., and HOTTES, F. C. New Neogæan water-striders of the genus Microvelia (Hemiptera; Veliidæ). South. Calif. Acad. Sci. B. 51:63-67. May/Aug. 1952. 500 So8

7282 ESSIG, E. O., and ABERNATHY, F. The aphid genus Periphyllus; a systematic, biological, and ecological study. Berkeley,U. Calif. Press,1952. 166 p. Ref. 431 Es72

7283 ESSIG, E. O. A change in the nomenclature of carrot and celery aphids. J. Econ. Ent. 45:752. Aug. 1952. 421 J822

7284 FEDOTOV, D. M., and BOCHAROVA, O. M. Change in morpho-functional condition of Eurygaster integriceps under action of DDT preparation. (In Russian.) Zool. Zhur. 31:528-537. Ref. July/Aug.1952. 410 R92

7285 FENNAH, R. G. A revision of Bladina Stål (Nogodinidae: Fulgoroidea). Ann. & Mag. Nat. Hist. (ser. 12)5:910-928. Oct.1952. 410 An77
Includes new species.

7286 FEUCHT, W. Zur bekämpfung der weissen fliege (Trialeurodes vaporariorum Westw.). Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:145-147. Aug. 1952. 464.9 N11

7287 FORTE, P. N. The control of mealy bug on vines in Western Australia. West. Austral. Dept. Agr. J. (ser.3)1:561,563,565-569. Ref. July/Aug.1952. 23 W52J

7288 FRINGS, H., and PEISSNER, L. Substitutes for milkweed seeds in the rearing of milkweed bugs [Oncopeltus fasciatus]. J. Econ. Ent. 45:752. Aug.1952. 421 J822

7289 FUKUDA, J. On the toxicity of DDT and BHC to the aphids and lady beetles of pear trees. (In Japanese.) Hort. Assoc. Japan. J. 21:1-2. June 1952. 87 H78
English summary.
Toxoptera oiricola, Nippolachnus piri and Harmonia axyridis.

7290 GARZIA, A. Scale insects on oranges. (In Italian.) Frutticolt. Campana 2(6):2. June 25,1952. 80 F9474

7291 GUICHERD, P. P. La mouche noire [Aleurocanthus woglumi] des aurantiacées au Mexique. Fruits 7:371-379. Aug./Sept.1952. 80 F9492

7292 GYRISCO, G. G., and others. Concentration of several insecticides for control of meadow spittlebug [Philaenus leucopthalmus] on red clover. J. Econ. Ent. 45:615-619. Aug.1952. 421 J822
L. Hopkins, A. A. Muka, and D. S. Marshall, joint authors.

7293 HOFFMAN, R. M. Box elder bug [Leptocoris trivittatus] causes damage to almonds. West. Fruit Grower 6(9):10. Sept.1952. 95.8 G762

7294 HUSSEY, N. W. A contribution to the bionomics of the green spruce aphid (Neomyzaphis abietina. Walker). Scot. Forestry 6:121-130. Oct.1952. 99.8 Sco3

7295 HUSSEY, R. F. Food plants and new records for some Hemiptera in Florida. Fla. Ent. 35:117-118. Sept.1952. 420 F662

7296 HUTCHINSON, M. T. Metacide for the control of cranberry scale [Aspidiotus oxycoccus]. Amer. Cranberry Growers Assoc. Proc. Annu. Conv. 83:13-17. 81 Am35C
Includes discussion.

7297 ITOGA, S., and SAKAI, H. On the outbreak of white back plant hopper (Sogata furcifera Horvath) and the presumption of the fittest period of its control in Kagoshima Prefecture. (In Japanese.) Kyushu Noji Shikinjo 8:111-112. Oct.1951. 107.6 K996

7298 JACKS, H., and LAMB, K. P. Glasshouse tests of organic insecticides against aphids on swedes. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:172-178. Aug.1952. 514 N48A

7299 KNULL, D. J. A new Limotettix from South Dakota (Homoptera: Cicadellidae). Ent. News [Philadelphia] 63:231-232. Nov.1952. 421 En88

7300 KORMILEV, N. A. Notas sobre Coreidae neotropicales con la descripcion de dos especies nuevas (Hemiptera). Eos 28:91-99. Jan./Mar.1952. 421 Eo7
English summary.
New species in Petalops.

7301 LESTON, D. Notes on the Ethiopian Pentatomoidea (Hemiptera). VI. Ann. & Mag. Nat. Hist. (ser.12) 5:893-904. Oct.1952. 410 An77
Includes a new species in Dalsira.

7302 LESTON, D. Unilateral brachypterism in Drymus brunneus Sahlb. (Hem., Lygaeidae). Ent. Mon. Mag. 88:206. Sept.1952. 421 En86

7303 LINNAVUORI, R. Calligypona leptosoma Fl. and C. albofimbriata (Sign.) Fieb. (Hom., Delphacidae). Suomen Hyönteistieteellinen Aikakausk. 17:109-110. 1951. 421 Au7

7304 LINNAVUORI, R. Hemipterological observations. Suomen Hyönteistieteellinen Aikakausk. 17:51-65. Ref. 1951. 421 Su7
Includes new species in Psammotettix and Empoasca, and new geographical records for Finland.

7305 LINNAVUORI, R. Investigations on the species of the genus Micracanthia Reut. (Het. Saldidae). Suomen Hyönteistieteellinen Aikakausk. 17:154-158. 1951. 421 Su7

7306 LINNAVUORI, R. On some new or lesser known Heteroptera. Suomen Hyönteistieteellinen Aikakausk. 17:104-108. 1951. 421 Su7
New species in Calocoris, Psallus and Macroplax.

7307 LINNAVUORI, R. Studies on the family Cryptostemmatidae. Suomen Hyönteistieteellinen Aikakausk. 17:92-103. 1951. 421 Su7
Includes new species in Ceratocombus and Cryptostemma.

7308 MCKENZIE, H. L. Scale studies. X. Distribution and biological notes on the olive parlatoria scale, Parlatoria oleae (Colvée), in California (Homoptera; Coccoidea; Diaspididae). Calif. Dept. Agr. B. 41:127-138. Ref. July/Sept.1952. 2 C12M

7309 MAGISTRETTI, G. El bisulfuro de carbono emulsionable en el control de la filoxera de la vid. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(53):33. May 1952. 9 Id3

7310 MALTAIS, J. B. A simple apparatus for feeding aphids aseptically on chemically defined diets. Canad. Ent. 84:291-294. Sept.1952. 421 C16

7311 MENUSAN, H., JR. Potato aphid control in Pennsylvania. Guide Post 30(8):20-22. Aug.1952. 75.8 G94

7312 MILLER, N. C. E. A new genus [Tyomana] of Pentatomidae (Hemiptera—Heteroptera) from Nigeria. Ann. & Mag. Nat. Hist. (ser.12)5:954-956. Oct.1952. 410 An77

7313 MILLER, N. C. E. Three new sub-families of Reduviidae (Hemiptera-Heteroptera). Eos 28:85-90. Jan./Mar.1952. 421 Eo7
New subfamilies: Phonolibinae, Perissorhynchinae and Visayanocorinae; new genera Perissorhynchus and Visayanocoris.

7314 MITROFANOV, P. I. Experiments in applying the thiophos compound to citrus. (In Russian.) Sad i Ogorod 9:35-37. Sept.1952. 80 Sa13
Scale insect parasitized by Erysiphe.

7315 MULLER, H. J., and UNGER, K. Über den einfluss von licht, wind, temperatur und luftfeuchtigkeit auf den befallsflug der aphiden Doralis [i.e. Aphis] fabae Scop. und Myzodes [i.e. Myzus] persicae Sulz. sowie der psyllide Trioza nigricornis Frst. Züchter 22:206-228. Ref. 1952. 442.8 Z8

7316 NARAYANAN, E S., and VENKATRAMAN, T. V. Technique of mass multiplication of Stenobracon deesae (Cam.) Hymenoptera: Braconidae for use against sugarcane and maize borers. Indian Acad. Sci. Proc. Sect. B. 36:12-18. July 1952. 513 In25B

7317 NEWTON, J. H., and LIST, G. M. Woolly apple aphid [Eriosoma lanigerum] in codling moth and mite control spray plots. J. Econ. Ent. 45:643-645. Aug.1952. 421 J822

7318 NUORTEVA, P. Beobachtungen über das gegenseitige zahlenverhältnis der geschlechter bei einigen zikadenarten. Suomen Hyönteistieteellinen Aikakausk. 17:113-115. 1951. 421 Su7

7319 NUORTEVA, P. Ein massenauftreten von Oncopsis tristis Zett. (Hom., Macropsidae) auf birken nebst beobachtungen über die biologie der art. Suomen Hyönteistieteellinen Aikakausk. 17:162-166. Ref. 1951. 421 Su7

7320 RAY-CHAUDHURI, S. P., and MANNA, G. K. A new type of segregation of the sex chromosomes in the meiotic divisions of the cotton stainer Dysdercus koenigii (Fabr.). J. Genet. 51:191-197. Ref. July 1952. 442.8 J823

7321 RUDNEV, E. D. Inexpensive silt emulsifier for mineral oil emulsions. (In Russian.) Sad i Ogorod 8:43. Aug.1952. 80 Sa13
Used to control scale insects.

7322 RUPPEL, R. F., and DELONG, D. M. The Hyloidea of Mexico (Homoptera: Cicadellidae). Brooklyn Ent. Soc. B. 47:107-112. Oct.1952. 420 B79

7323 RUSSELL, E. E. Stink bugs [Pentatomidae] on seed alfalfa in southern Arizona. U. S. D. A. C. 903,19 p. July 1952. 1 Ag84C

7324 SAILER, R. I. The bedbug [Cimex lectularius] an old bedfellow that's still with us. Pest Control 20(10): 22,24,70,72. Oct.1952. 449.8 Ex8

7325 SAILER, R. I. Circumpolar distribution of water boatmen (Hemiptera: Corixidae). Canad. Ent. 84: 280. Sept.1952. 421 C16
Glaenocorisa quadrata new to Alaska.

7326 SAILER, R. I. A technique for rearing certain Hemiptera. U. S. Bur. Ent. & Plant Quar. ET-303,5 p. Sept.1952. 1.9 En83Et

7327 SATO, I., and NISHIKAWA, M. On the damage on soybeans by Nezara antennata Scott and Riptortus clavatus Thunb. (In Japanese.) Tottori Soc. Agri. Sci. Trans. 9:55-60. Dec.30,1951. 513 T64
English summary.

7328 SCHMIDT. Bekämpfung der pfirsichblattlaus in kartoffelbeständen. Höfchen-Briefe 5:75-81. 1952. 464.8 H67
Myzus persicae.

7329 SCHMIDT, L. A very great appearance of bugs [Oxycarenus lavaterae] on limes (lindens) [Tilia] and their repulsion. (In Serbo-Croatian.) Sumarski List 76: 170-174. May/June 1952. 99.8 Su6
German summary.

7330 SCHMITZ, G. Comment limiter les dégâts de l'Helopeltis du cotonnier dans l'Ubangi-Uele? Inst. Natl. pour l'Etude Agron du Congo Belge. B. d'Inform. 1: 191-204. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(3). Sept.1952. 24 K83

7331 SCHREIER, O. Die kellerlaus [Rhopalosiphoninus latysiphon]. Bundesanst. f. Pflanzenschutz. Flugbl. 81,1 p. 1952. 464.9 V672F
On potato.

7332 SMIRNOFF, W. La cochenille du palmier-dattier [Parlatoria blanchardi Targ.] dans les oasis du Maroc et le probleme de sa repression. Terre Marocaine 26:306-308. Aug.1952. 24 T44

7333 SMIRNOFF, W. A. Aperçu sur le développement de quelques cochenilles parasites des agrumes au Maroc. Morocco. Serv. de la Défense des Vég. Trav. Orig. 1,29 p. Sept.1951. 464.9 M82
Lepidosaphes beckii, L. gloverii, Chrysomphalus dictyospermi and Parlatoria zizyphus.

7334 SMIRNOV, E. S., and CHUVAKHINA, Z. F. Origination of hereditary adaptation to a new food plant in Neomyzus circumflexus Buckt. (Aphididae). (In Russian.) Zool. Zhur. 31:504-522. Ref. July/Aug.1952. 410 R92

7335 SNOW, O. W., and TAYLOR, J. The large-scale control of the cotton jassid [Empoasca lybica] in the Gezira and White Nile areas of the Sudan. B. Ent. Res. 43:479-502. Oct.1952. 421 B87

7336 SOKAL, R. R. Variation in a local population of Pemphigus. Evolution 6:296-315. Ref. Sept.1952. 443.8 Ev62

7337 STROYAN, H. L. G. The identification of aphids of economic importance. Plant Pathol. 1:92-99. (Cont.) Sept.1952. 464.8 P692

7338 STROYAN, H. L. G. Records of Cambridgeshire Aphididae. Entomologist 85:234-237. (Cont.) Oct. 1952. 421 En8

7339 SUENAGA, H., and YAMAMOTO, S. On the thermal reactions of larvae and adults of Sejiro and Tobiiro-leafhoppers. (In Japanese.) Kyushu Noji Shikinjo 8:109-110. Oct.1951. 107.6 K996

7340 SUENAGA, H., and SEKIYA, S. A. Relationship between the egg-formation in ovary and feeding temperature of Sejiro- and Tobiiro-leafhoppers. (In Japanese.) Kyushu Noji Shikinjo 8:107-108. Oct.1951. 107.6 K996

7341 SUKHOV, K. S., VOVK, A. M., and MUSHNIKOVA, K. S. Industrial testing of DDT dust in controlling big bud of tomato. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):24-27. 1952. 20 Ak1
Transmitted by Hyalesthes obsoletus.

7342 TAPIA, E. A. El pulgón del álamo, Pterocomma populea Kalt. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(52):13. Apr.1952. 9 Id3

7343 TAYLOR, G. G. Spray treatments for control of woolly-aphis (Eriosoma lanigerum (Haus.)) on apple trees. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:258-265. Oct.1952. 514 N48A

7344 THOMPSON, W. L., GRIFFITHS, J. T., and SITES, J. W. A comparison of oil emulsion and parathion for the control of scale insects on citrus. Fla. State Hort. Soc. Proc. 64:66-71. Ref. 1951,pub.1952. 81 F66

7345 TRAGER, W. Mitochondria or microorganisms? Science 116:332-333. Sept.26,1952. 470 Sci2
A note on U. N. Lanham's "Observations on the supposed intracellular symbiotic microorganisms of aphids," appearing in Science 115:459.
Includes Lanham's reply.

7346 USINGER, R. L. A new species of Carayonia from Ceylon (Hemiptera, Reduviidae, Saicinae). Entomologist 85:212-213. Sept.1952. 421 En8

7347 VEGA, J. Lucha antifiloxérica; injertación sobre pies resistentes. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(53):16-32. May 1952. 9 Id3
On grapes.

7348 WAGNER, E. Neue Reduviiden (Hemipt. Heteropt.). Eos 28:101-108. Jan./Mar.1952. 421 Eo7
In Coranus and Rhinocoris.

7349 WAGNER, W. Eine neue Rhopalopyx-art aus Spanien Homoptera-Auchenorrhyncha. Eos 28:83-84. Jan./Mar.1952. 421 Eo7

7350 WAGNER, E. Was ist Alloeonycha mayri Reut.? (Hem. Het. Miridae). Aschaffenburg. Natwiss. Mus. Nachr. 35:49-54. May 1952. 409.6 As2

7351 WEAVER, C. R., and HIBBS, J. W. Effect of spittlebug [Cercopidae] infestation on nutritive value of alfalfa and red clover. J. Econ. Ent. 45:626-628. Aug. 1952. 421 J822

7352 YAMADA, T., and WATANABE, K. Studies on sterility in Sudan grass. 1. Sterility caused by the insect, Calocoris rubrovittatus Matsumura. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:209-216. Ref. July 1952. 49.9 C434
English summary and tables.

7353 YOUNG, D. A., JR. On the recognition of two economic scaphytopiine leafhoppers (Homoptera, Cicadellidae). Ent. Soc. Wash. Proc. 54:246-249. Oct.1952. 420 W27
Scaphytopius dubius and S. delongi n. sp.

7354 ZAGOROVSKII, A. V. New insecticide [parathion] for control of aphids on tobacco. (In Russian.) Tabak 13(3):50-52. May/June 1952. 69.8 T112

7355 ZIEGLER, O. Die ausbreitung der grünen pfirsichblattlaus [Myzus persicae] unter aerologischen und klimatischen gesichtspunkten sowie die sich daraus ergebenden beziehungen zur infektionsgefahr. Z. f. Pflanzenbau u. Pflanzenschutz 3:49-83. Ref. 1952. 464.8 P88

7356 ZIELINSKI, A. Le problème des trypanosomiases animales dans la zone de colonisation de la "Cobelkat" au Lomami. Cour. Agr. 17(15):3-4. July 23,1952. 24 C83
Includes the Glossina situation.

HYMENOPTERA

7357 ALLEN, A. A. The ants (Hym., Formicidae) and myrmecophiles of a suburban garden. Ent. Mon. Mag. 88:222. Oct.1952. 421 En86

7358 ARNOLD, G. New species of African Hymenoptera. 10. South. Rhodesia. Natl. Mus. Occas. Papers 2: 460-493. July 2,1952. 515 R342
New species in Oligomyrmex, Philanthus, Cerceris, Gorytes, Bembix, Dolichurus, Miscophoides, Oxybelus, Pezopompilus n.g., Pseudagenia, Poecilagenia and Cordyloscelis.

7359 BENSON, R. B. A new Anoplonyx [A. destructor] destructive to larch in Britain (Hymenoptera: Tenthredinidae). B. Ent. Res. 43:543-547. Oct.1952. 421 B87

7360 BERNARD, F. Adaptations au milieu chez les fourmis sahariennes. Soc. d'Hist. Nat. de Toulouse. B. 86:88-96. May 30,1951. 505 T64

7361 BERTRAN, A. Observaciones sobre la hormiga invasora [Iridomyrmex humilis]. Agricultura [Madrid] 21:498-500. (Cont.) Sept.1952. 15 Ag84

7362 BIER, K. Zur scheinbaren thelytokie der ameisengattung Lasius. Naturwissenschaften 39:433. Sept.15,1952. 474 N213

7363 BIRKETT, N. L. Moths and wasps. Ent. Rec. & J. Variation 64:242-243. Sept.1952. 421 En89
Wasps as predators of moths.

7364 BISCHOFF, H. Uber das vorkommen der schmarotzerbiene Ammobatoides abdominalis (Eversm.) in Deutschland und bemerkungen zu ihrem wirt: Melitturga clavicornis Latr. Aschaffenburg. Natwiss. Mus. Nachr. 35:55-67. May 1952. 409.6 As2

7365 BOHM, H. Die apfelsägewespe. Bundesanst. f. Pflanzenschutz. Flugbl. 82,1 p. 1952. 464.9 V672F
Hoplocampa testudinea.

7366 BORG, A. Undersökningar över Aphelinus mali Hald., blodlusens (Eriosoma lanigerum Hausm.) speciella parasit [Investigations on Aphelinus mali Hald., the special parasite of the woolly aphis (Eriosoma lanigerum Hausm.)]. Sweden. Stat. Växtskyddsanst. Meddel. 60,75 p. Ref. 1952. 464.9 Sw3M
English summary.

7367 BÖTTCHER, F. K. Die wirkung von U46 auf die bienen. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 74:127-129. Mar.1952. 410.9 G31M

7368 BOUČEK, Z. The first revision of the European species of the family Chalcididae (Hymenoptera). Prague. Národ. Mus. Sborn. Ent. Oddĕleni 27 (sup.1),108 p. Ref. 1951. 420 P88
Includes new species in Neochalcis, Neophasganophora, Antrocephalus, Euchalcis, Hockeria, Invreia, Euchalcidia, Peltochalcidia and Lasiochalcidia.

7369 BROWN, W. L., JR. Heteroponera Mayr reinstated (Hymenoptera: Formicidae). Psyche 59:70. June 1952. 421 P95

7370 BROWN, W. L., JR. Revision of the ant genus Serrastruma. Harvard U. Mus. Compar. Zool. B. 107:67-86. Aug.1952. 500 H26B

7371 BURKS, B. D. A new mealybug parasite (Hymenoptera: Encyrtidæ). N. Y. Ent. Soc. J. 60:179-182. Sept.1952. 420 N48J
Anathrix n.g.

7372 BURKS, B. D. The North American species of Syntomosphyrum (Hymenoptera, Chalcidoidea). Ent. Soc. Wash. Proc. 54:258-264. Oct.1952. 420 W27
Includes new species.

7373 CLARK, A. M., and BEISER, W. C. Differential sensitivity of haploid and diploid embryos of Habrobracon to the nitrogen mustards. (Abs.) Genetics 37:574 Sept.1952. 442.8 G28

7374 CLARK, A. M., and MITCHELL, C. J. Effects of X-rays upon haploid and diploid embryos of Habrobracon. Biol. B. 103:170-177. Ref. Oct.1952. 442.8 B52

7375 COLE, A. C. Notes on the Pheidole pilifera (Roger) complex and a description of a new subspecies (Hymenoptera: Formicidae). Tenn. Acad. Sci. J. 27: 278-280. Oct.1952. 500 T25A

7376 CREIGHTON, W. S. Studies on Arizona ants. 3. The habits of Pogonomyrmex huachucanus Wheeler and a description of the sexual castes. Psyche 59:71-81. June 1952. 421 P95

7377 CREVECŒUR, A. Le psychisme des Hyménoptères vespiformes et mellifères. Soc. Ent. de Belg. B. et Ann. 88:9-19. Feb.29,1952. 420 B41

7378 DALY, H. V. Records of the Palearctic Megachile rotundata in the United States (Hymenoptera: Apoidea). Ent. News [Philadelphia] 63:210-211. Oct.1952. 421 En88

7379 DETROUX, L. Action des insecticides de synthèse sur le némate de l'épicéa (Lygaeonematus pini Retz). Parasitica 8:127-130. 1952. 464.8 P21

7380 DE VRIES, J. P. Argentine ant [Iridomyrmex humilis] threatens world's food; methods of eradication in homes and orchards to restore balance of nature. Farmer's Wk. [Bloemfontein] 83:55,57. Sept.3,1952. 24 F225

7381 DÜRR, H. J. R. The Argentine ant Iridomyrmex humilis (Mayr). I. Its distribution, harmfulness and life cycle. Farming So. Africa 27:381-384,390. Aug.1952. 24 So842

7382 EDNEY, E. B. The Holonychinae (family Chrysididae) of South Africa. II. South. Rhodesia. Natl. Mus. Occas. Papers 2:403-452. July 2,1952. 515 R342
Includes new species in Chrysidea and Chrysis.

7383 EISNER, T., and WILSON, E. O. The morphology of the proventriculus of a formicine ant. Psyche 59: 47-60. June 1952. 421 P95
Camponotus americanus.

7384 FORBES, J. The genitalia and terminal segments of the male carpenter ant, Camponotus pennsylvanicus Degeer (Formicidæ, Hymenoptera). N. Y. Ent. Soc. J. 60:157-171. Ref. Sept.1952. 420 N48J

7385 GAUL, A. T. The awakening and diurnal flight activities of vespine wasps. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:33-38. June 16,1952. 420 L84Pa

7386 GOIDANICH, A. The social behavior of ants and man. (In Italian.) Italia Agr. 89:489-515. Aug.1952. 16 It1

7387 GREEN, H. B. Biology and control of the imported fire ant [Solenopsis saevissima richteri] in Mississippi. J. Econ. Ent. 45:593-597. Aug.1952. 421 J822

7388 HAAS, A. Die mandibeldrüse als duftorgan bei einigen Hymenopteren. Naturwissenschaften 39:484. Oct.15,1952. 474 N213

7389 HANSON, H. S. Megastigmus seedflies. Q. J. Forestry 46:261-264. Oct.1952. 99.8 Q2

7390 HEIDENTHAL, G. X-ray induced recessive lethals in Habrobracon. (Abs.) Genetics 37:590. Sept. 1952. 442.8 G28

7391 HERON, R. J. Notes on the feeding of larvae of the larch sawfly, Pristiphora erichsonii (Htg.) (Hymenoptera: Tenthredinidae). Ent. Soc. Ontario. Annu. Rpt. 82:67-70. 1951,pub.1952. 420 On8

7392 HOROWITZ, N. H., and FLING, M. Genetics of tyrosinase thermostability in Neurospora. (Abs.) Genetics 37:591. Sept.1952. 442.8 G28

7393 HURD, P. D., JR. The California velvet ants of the genus Dasymutilla Ashmead (Hymenoptera: Mutillidae). Calif. Insect Survey. B. 1:89-114. Ref. 1951. 420 C12

7394 HURD, P. D., JR., and LINSLEY, E. G. The melectine bees of California (Hymenoptera: Anthophoridae). Calif. Insect Survey. B. 1:119-140. Ref. 1951. 420 C12

7395 HURD, P. D., JR. The Scoliidae of California (Hymenoptera: Aculeata). Calif. Insect Survey. B. 1:141-147. 1952. 420 C12

7396 HUSSEY, N. W. A braconid (Hym.) parasite of Ochina ptinoides Marsh. (Col., Anobiidae). Ent. Mon. Mag. 88:201. Sept.1952. 421 En86

7397 KUSNEZOV, N. Algunos datos sobre la dispersion geografica de hormigas (Hymenoptera, Formicidae) en la Republicia Argentina. Soc. Cient. Argentina. An. 153:230-242. 1952. 516 So1

7398 MANIGAULT, E. L. Of ants and people. Home Gard. 20(5):23-25. Nov.1952. 80 H756
Habits and behavior.

7399 MAVROMOUSTAKIS, G. A. On the bees (Hymenoptera, Apoidea), of Cyprus. III. Ann. & Mag. Nat. Hist. (ser.12)5:814-843. Sept.1952. 410 An77
Includes new species in Andrena.

7400 NESSENIUS. Einsatz eines hubschraubers bei der bekämpfung der kleinen fichtenblattwespe im forstamt Cloppenburg. Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 74:163-166. Mar.1952. 410.9 G31M
Pristiphora pini.

7401 OLBERG, G. Der bienenwolf [Philanthus triangulum F.]. Nordwestdeut. Imkerztg. 4:247-250. Aug.1952 424.8 N753

7402 OTAMENDI, J. C. Como pueden combatirse las hormigas podadoras "atinas." Res 20:26949-26950. Apr.20,1952. 286.85 R31
Atta and Acromyrmex.

7403 PASTEELS, J. Notules sur les Hyménoptères Symphytes. 7. Soc. Ent. de Belg. B. et Ann. 88:54-56. Feb.29,1952. 420 B41
Includes a new species in Distega.

7404 POPOV, V. V. Bee pollinators of goosefoot [Chenopodiaceae]. (In Russian.) Zool. Zhur. 31:494-503. Ref. July/Aug.1952. 410 R92

7405 SCHAFER, E. The human element in bee control. Pest Control 20(10):27. Oct.1952. 449.8 Ex8

7406 SCHAFER, G. Ein ferienerlebnis am waldrand. Unser Wald 5(7/8):10-11. July/Aug.1952. 99.8 Un7
Ants.

7407 STEFFAN, J. R. Contribution á l'étude des Haltichellinae, groupe Euchalcidia, (Hymenopt. Chalcididae) conservés au Muséum national d'histoire naturelle de Paris. Paris,1951. p.51-86. (Paris. Muséum National d'Histoire Naturelle. Mémoires, Nouvelle Serie, Serie A, Zoologie, Tome 4, fascicule 2) 426 St32
Includes new species in Euchalcidia, Lasiochalcidia, and Peltochalcidia; also new genera Psilochalcidia, Hyperchalcidia, Anoplochalcidia, Bucelsia, and Solenochalcidia.

7408 STEVENS, O. A. Hungry little hymenops. Nat. Mag. 45:485-486. Nov.1952. 409.6 N214

7409 STUMPER, R. Sur les sécrétions odorantes de quelques fourmis. Acad. des Sci. Compt. Rend. 235: 526-528. Sept.1,1952. 505 P21

7410 UNDERWOOD, N. B. The red-headed pine sawfly [Neodiprion lecontei]. Wis. Conserv. B. 17(8):14-15. Aug.1952. 279.8 W752

7411 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Controlling ants in the home. Washington,1952. 2 p. 1.967 A2C764

7412 VALKEILA, E. A method for rearing Hymenoptera. (In Finnish.) Suomen Hyönteistieteellinen Aikakausk. 17:85-88. 1951. 421 Su7
English summary.

7413 VON BORSTEL, R. C. Effects of nitrogen mustard on nuclei during meiosis and cleavage of Habrobracon eggs. (Abs.) Genetics 37:567. Sept.1952. 442.8 G28

7414 WADD, J. C. Wasps and their ways. Brit. Bee J. 80:570. Sept.6,1952. 424.8 B77

7415 WALRECHT, B. J. J. R., and HEERDT, P. F. VAN. The building instinct of the social wasps. VIII-IX. (In Dutch.) Levende Nat. 55:150-159. Aug.1952. 410 L57
VIII, by B. J. J. R. Walrecht; IX, by P. F. van Heerdt.
Vespa germanica.

7416 WELD, L. H. Cynipoidea (Hym.) 1905-1950, being a supplement to the Dalla Torre and Kieffer monograph, the Cynipidae in Das Tierreich, lfg. 24, 1910, and bringing the systematic literature of the world up to date, including keys to families and subfamilies and lists of new generic, specific and variety names. Ann Arbor, Mich.,1952. 351 p. Ref. 426 W45

7417 WENE, G. P., and WHITE, A. N. Control of the Texas harvester ant [Pogonomyrmex barbatus molefaciens]. J. Econ. Ent. 45:745-746. Aug.1952. 421 J822

7418 WHITING, A. R., and VON BORSTEL, R. C. Comparison of sensitivity to nitrogen mustard and X-rays of Habrobracon eggs and sperm. (Abs.) Genetics 37:635-636. Sept.1952. 442.8 G28

7419 WONG, H. R. Cocoons of some sawflies that defoliate forest trees in Manitoba and Saskatchewan. Ent. Soc. Ontario. Annu. Rpt. 82:61-67. 1951,pub.1952. 420 On8

7420 ZUNINO, H. A. Contra las hormigas podadoras. Chacra 22(263):53-54. Oct.1952. 9 C34
Atta sexdens.

See also Apiculture and Apis mellifera.

LEPIDOPTERA

7421 ALAMO IBARRA, R. Perspectivas para el control permanente del borer de la caña de azucar (Diatraea), en el continente sudamericano. Agr. Venezol. 17(154):12-13. Jan./July 1952. 9.95 Ag8

7422 BACHMANN, F., and VOGEL, W. Das starke auftreten von raupenschädlingen im Fricktal. Schweiz. Z. f. Obst- u. Weinbau 61:374-376. Sept.6,1952. 80 Sch9

7423 BAKER, K. H. Three agencies battle spread of grapeleaf skeletonizer [Harrisina brillians]. West. Fruit Grower 6(11):6. Nov.1952. 95.8 G762

7424 BALCH, R. E. The spruce budworm [Choristoneura fumiferana] and aerial forest spraying. Canad. Geog. J. 45:200-209. Nov.1952. 470 C162

7425 BARRETT, C. L., and BURNS, A. N. Butterflies of Australia and New Guinea. Melbourne, Seward, 1951. 187 p. 430 B27

7426 BEIRNE, B. P. British pyralid and plume moths. London,Warne,1952. 207 p. (Wayside and Woodland Series) 430 B392B

7427 BOHM, H. Der goldafter [Nygmia phaeorrhoea]. Bundesanst. f. Pflanzenschutz. Flugbl. 75,1 p. 1952. 464.9 V672F

7428 BOHM, H. Der weisse bärenspinner (Hyphantria cunea, Drury). Bundesanst. f. Pflanzenschutz. Flugbl. 86,2 p. 1952. 464.9 V672F

7429 BOLINGBROKE, VISCOUNT. The unexpected. Ent. Rec. & J. Variation 64:245-247. Sept.1952. 421 En89
Lepidoptera.

7430 BOLLOW. Kleine mittellungen das auftreten der gespinste fertigenden schmetterlingsraupen im jahre 1952 in Bayern. Pflanzenschutz 4:89-90. July 1952. 464.8 P48
Hyponomeuta, Malacosoma neustria and Euproctis chrysorrhoea.

7431 BOURSIN, C. Eine neue Agrochola Hb. (Orthosia auct.) aus Klein-Asien. Beiträge zur kenntnis der Agrotidae-Trifinae, LII. Wien. Ent. Gesell. Z. 36: 158-161. Dec.31,1951,pub.June 30,1952. 421 Os7

7432 BOURSIN, C. Eine neue Cryphia Hb. (Bryophila auct.) aus Ost-Asien. Beiträge zur kenntnis der Agrotidae-Trifinae LI. Wien. Ent. Gesell. Z. 36:155-158. Dec.31,1951,pub.June 30,1952. 421 Os7

7433 BRAUNS, A. Zur eichenwicklerfrage. Holz-Zentbl. 78:1631-1632. Ref. Oct.2,1952. 99.81 H742
Tortrix viridana.

7434 BRETHERTON, R. F., ELLISON, R. E., and MANLEY, W. B. L. Lepidoptera in the eastern Pyrenees, 1951 (Porté-Puymorens and Vernet-les-Bains, June 30-July 19), and the Forêt de Rambouillet, near Paris (July 16 and 20). Entomologist 85:197-204. (Cont.) Sept.1952. 421 En8

7435 BRETHERTON, R. F., ELLISON, R. E., and MANLEY, W. B. L. Lepidoptera in the eastern Pyrenees, 1951 (Porté-Puymorens and Vernet-les-Bains, June 30-July 19), and the Forêt de Rambouillet, near Paris (July 16 and 20). Entomologist 85:222-229. (Concl.) Oct.1952. 421 En8

7436 BRITISH MUSEUM (NATURAL HISTORY). DEPT. OF ENTOMOLOGY. A catalogue of the American Hesperiidae, indicating the classification and nomenclature adopted in the British Museum (Natural History). I. Introduction and group A Pyrrhopyginae, by W. H. Evans. London,1951. 92 p. 430 B77A

7437 BURMANN, K. Etwas über die Nordtiroler Phibalapteryx calligraphata H. S. (Macrolepidoptera, Geometridae). Wien. Ent. Gesell. Z. 36:153-155. Dec.31,1951,pub.June 30,1952. 421 Os7

7438 CANADA. DEPT. OF AGRICULTURE. SCIENCE SERV. DIV. OF FOREST BIOLOGY. Forest Lepidoptera of southern Ontario and their parasites, received and reared at the Ottawa Forest Insect Survey Laboratory from 1937 to 1948, by H. Raizenne. Ottawa, 1952. 277 p. 430 C163F

7439 CARY, M. M. Phlegethontius caribbeus, a new sphinx moth from Haiti, West Indies. Ent. News [Philadelphia] 63:197-199. Oct.1952. 421 En88

7440 CLARKE, J. F. G. Two new species of Olethreutidae from California (Lepidoptera). South. Calif. Acad. Sci. B. 51:60-62. May/Aug.1952. 500 So8
In Eucosma and Sonia.

7441 COCKAYNE, E. A. Aberrations of British Geometridae. Ent. Rec. & J. Variation 64:237-242. Sept.1952. 421 En89

7442 DANIEL, F., FORSTER, W., and OSTHELDER, L. Beiträge zur Lepidopterenfauna Mazedoniens. Zool. Staatssamml. Veröffentl. 2,77 p. Dec.1,1951. 410.9 Z75

7443 DAVID, W. A. L., and GARDINER, B. O. C. Laboratory breeding of Pieris brassicae L. and Apanteles glomeratus L. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:54-56. June 16,1952. 420 L84Pa

7444 DEMUTH, R. P., and STONE, F. J. Disclosures made by the M. V. lamp. Ent. Rec. & J. Variation 64:256-257. Sept.1952. 421 En89

7445 DIAKONOFF, A. Case bearing Lepidoptera. IV. Ent. Ber. 14:134-137. Sept.1,1952. 420 N38B

7446 DITMAN, L. P., BURKHARDT, G., and BLACK, D. T. Flat, hollow, and solid cone nozzles for earworm [Heliothis armigera] control. J. Econ. Ent. 45:742-743. Aug.1952. 421 J822

7447 DUFRANE, A. Lepidoptères du Kivu. 3. Corrections. Soc. Ent. de Belg. B. et Ann. 88:24. Feb.29, 1952. 420 B41

7448 EDELSTEN, H. M. Corrections in Allan's Larval foodplants. Ent. Rec. & J. Variation 64:259. Sept.1952. 421 En89

7449 EHRLICH, P. R. A new subspecies of Erebia epipsodea Butler (Lepidoptera: Satyridae). Ent. News [Philadelphia] 63:225-231. Nov.1952. 421 En88

7450 ELLIOTT, F. C., and GUNTER, A. C. Early cotton stalk destruction will pay. Tex. Agr. Col. Ext. L. 173,2 p. Aug.1952. 275.29 T313
Control of Pectinophora gossypiella.

7451 ERNST, R. Für Osterreich neu! Wien. Ent. Gesell. Z. 36:130. Dec.31,1951,pub.June 30,1952. 421 421 Os7
Grammodes stolida.

7452 EUROPEAN PLANT PROTECTION ORGANISATION. Hyphantria cunea, Drury (Ecaille fileuse, fall webworm) Un exemple de collaboration internationale. An example of international collaboration. Paris,1952. 11 p. 430 Eu7

7453 FERRARO, A. Two corn pests: Pyrausta nubilalis and Sesamia cretica. (In Italian.) Frutticolt. Campana 2(8):1. Aug.25,1952. 80 F9474

7454 FLETCHER, D. S. Four new species of Geometridae (moths) from Rancho Grande, north-central Venezuela. Zoologica 37:101-104. Sept.19,1952. 410 Z722
In Racheospila, Oospila, Nelo and Melanoptilon.

7455 FREISCHMIDT, K. Auch schmetterlinge wandern hin und her zwischen Sahara und Polarkreis. Übersicht 3(9):43-49. Sept.1952. 18 Ub3

7456 FRICKHINGER, H. W. Ein schädling droht aus dem Osten. Unser Wegweiser im Obstbau-Gart.-Kleintierhof 7:150. July 1952. 18 Un7
Hyphantria cunea.

7457 GIBSON, J. A. The butterflies of Ailsa Craig. Scot. Nat. 64:112-113. Autumn 1952. 410 Sco3

7458 GOGUADZE, M. N. Thiophos—new remedy against the cluster leaf roller. (In Russian.) Vinodel. i Vinograd. SSSR. 2:45-46. Feb.1952. 95.8 V77

7459 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Vapourer moth [Orgyia antiqua]. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 25,3 p. Sept.1952. 10 G79La

7460 HAINE, E. Weitere bekämpfungsversuche mit Euproctis chrysorrhoea L. [i.e. Nygmia phaeorrhoea] und Diprion [i.e. Neodiprion] sertifer Geoffr. Anz. f. Schädlingsk. 25:129-132. Sept.1952. 421 An9

7461 HALL, I. M. A new species of microsporidia from the fawn-colored lawn moth, Crambus bonifatellus (Hulst) (Lepidoptera, Crambidae). J. Parasitol. 38:487-491. Oct.1952. 448.8 J824

7462 HASE, A. Uber die lebensweise des bärenspinners Hyphantria cunea und über seine einbürgerung und rasche ausbreitung in Europa. Nachrbl. des Deut. Pflanzenschutzdienstes 4:82-85. Ref. June 1952. 442.9 B832

7463 HUGGINS, H. C. Argynnis aglaja in West Cork. Entomologist 85:220-221. Oct.1952. 421 En8

7464 IBRAGIMOV, R. P. On the control of the wax moth. (In Russian.) Pchelovodstvo 29(2):44-45. Feb. 1952. 424.8 P295

7465 IVANOV, E. Chemical means of protecting young cotton growth from gnawing pests [caterpillars and stem borers]. (In Russian.) Khlopkovodstvo 4:44-47. Apr.1952. 72.8 K522

7466 JÄCKH, E. Die fruchtminierenden arten der gattung Nepticula Heyd. (Etainia Beirne) an den vier deutschen ahornarten. (Lep. Nepticulidae). Wien. Ent. Gesell. Z. 36:170-178. Ref. Dec.31,1951,pub.June 30, 1952. 421 Os7
Includes N. monspessulanella, new species.

7467 JANEŽIČ, F. Still another fruit enemy. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:136-137. May/June 1952. 21.5 Sa1
Hyphantria cunea.

7468 JANMOULLE, E. Espèces nouvelles pour la faune belge. Lambillionea 52:13. (Cont.) Mar.25/Apr.25,1952. 420 N15
Philedone prodromana.

7469 JANMOULLE, E. Espèces nouvelles pour la faune belge. Lambillionea 52:25-26. (Cont.) May 25/June 25,1952. 420 N15
Coleophora glaucicolella and C. pallorella.

7470 JANMOULE, E. Les tribulations de la collection Fologne. Lambillionea 52:20-23. Mar.25/Apr.25, 1952. 420 N15

7471 JENKINS, C. F. H. A new insect pest in W. A.—oriental fruit moth (Cydia molesta Busck). West. Austral. Dept. Agr. J. (ser.3)1:349-351. May/June 1952. 23 W52J

7472 JOHNSON, G. F. Notes on some butterflies of Tripolitania. Entomologist 85:217-219. Oct.1952. 421 En8

7473 KAUTZ, H. Die häufigkeit der Lepidopteren. Wien. Ent. Gesell. Z. 36:138-141. Dec.31,1951,pub. June 30,1952. 421 Os7

7474 KETTLEWELL, H. B. D. Use of radioactive tracer in the study of insect populations (Lepidoptera). Nature [London] 170:584-585. Oct.4,1952. 472 N21

7475 KIRIAKOFF, S. G. Recherches sur les organes tympaniques des Lépidoptères, en rapport avec la classification. IX. Arctiidae. Soc. Ent. de Belg. B. et Ann. 88:26-51. Ref. Feb.29,1952. 421 B41

7476 KIRIAKOFF, S. G. Un Thyrétidé nouveau de la Cote d'Ivoire. Rev. Franç. d'Ent. 19:173-175. 1952. 421 R323
In Apisa.

7477 KLIMESCH, J. Nepticula arbusculae spec. nov. (Lep., Nepticulidae). Wien. Ent. Gesell. Z. 36:149-152. Dec.31,1951,pub.June 30,1952. 421 Os7

7478 KLIMESCH, J. Uber eine neue Scythris-art aus den Nordost-Alpen (Scythris saxicola sp. n.; Lep., Scythrididae). Wien. Ent. Gesell. Z. 36:141-144. Dec.31, 1951,pub.June 30,1952. 421 Os7

7479 KLIMESCH, J. Uber zwei neue Coleophoraarten (C. tolli spec. nov. auf Thymus, C. argentariella spec. nov. auf Helianthemum canum) (Lep., Coleophoridae). Wien. Ent. Gesell. Z. 36:144-148. Dec.31,1951, pub.June 30,1952. 421 Os7

7480 KOROLEVA, N. I. How to protect the fruit orchards from the lesser apple worm [Grapholitha]. (In Russian.) Sad i Ogorod 8:42-43. Aug.1952. 80 Sa13

7481 LATTIN, G. DE. Studien über die gattung Crambus F. Ent. Z. 62:89-91. (Cont.) Sept.15,1952. 421 En85

7482 LATTIN, G. DE. Uber das entfetten von schmetterlingen. Ent. Z. 62:60-62. July 15,1952. 421 En85

7483 LORDELLO, L. G. E., and RODRIGUES, R. A. Observations on Antarctia fusca (Walker, 1812) (Lep., Arctiidae). (In Portuguese.) Rev. de Agr. [Piracicaba] 27:229-231. July/Aug.1952. 9.2 R324
English summary.

7484 LOWRY, W. L., and CALHOUN, S. L. Control of yellow-striped armyworm [Prodenia ornithogalli] on cotton with organic insecticides. J. Econ. Ent. 45:741. Aug.1952. 421 J822

7485 MCEWEN, F. L., and CHAPMAN, R. K. Imported cabbageworm [Pieris rapae] resistance to insecticides. J. Econ. Ent. 45:717-722. Ref. Aug.1952. 421 J822
DDT and related chlorinated hydrocarbon insecticides.

7486 MACK, W. Uber die variabilität der Rhyacia subrosea Steph. ssp. kieferi Rbl. aus dem steirischen Ennstale. Wien. Ent. Gesell. Z. 36:161-163. Dec.31, 1951,pub.June 30,1952. 421 Os7

7487 MARGHERITIS, A. E. Ensayos a campo de productos insecticidas contra la "isoca" de la alfalfa, Colias lesbia (F.). Argentina. Dir. Gen. de Invest. Agr. IDIA 5(52):3-4. Apr.1952. 9 Id3

7488 MARTYN, E. J. Insecticidal control of the corbie Oncopera intricata Walker (Lepidoptera family Hepialidae). Tasmania. Dept. Agr. Tasmanian J. Agr. 23: 200-211. Aug.1952. 23 T182T

7489 MATHIS, M. Observations biologiques sur la fausse teigne des abeilles. II. Gaz. Apic. 53:68-70. Mar. 1952. 424.8 G25
Galleria mellonella.

7490 MAXWELL, C. W., and MORGAN, G. T. Life-history studies of the cranberry fruitworm, Mineola vaccinii (Riley), in New Brunswick (Lepidoptera: Pyralidae). Ent. Soc. Ontario. Annu. Rpt. 82:21-25. 1951,pub. 1952. 420 On8

7491 MERE, R. M. Lepidoptera in the Chiddingfold area, 1951. Ent. Gaz. 3:177-180. July 1952. 421 En834

7492 MILLER, L. W., and MARTYN, E. J. A sampling technique for underground grass grubs. Austral. Inst. Agr. Sci. J. 18:110-111. June 1952. 23 Au74
Oncopera intricata.

7493 MINNION, W. E. The "block" method of setting: a criticism. Ent. Rec. & J. Variation 64:247-248. Sept.1952. 421 En89
Lepidoptera.

7494 MITCHENER, A. V. Cutworm control with aldrin, dieldrin and Hyman compound 269 in baits. Ent. Soc. Ontario. Annu. Rpt. 82:14-17. 1951,pub.1952. 420 On8

7495 NEUGEBAUER, W. Die bekämpfung des kieferntriebwicklers [Rhyacionia buoliana]. Forstarchiv 23:159-165. Ref. Sept.15,1952. 99.8 F7723

7496 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. The bag-shelter moth [Ochrogaster contraria]. N. S. Wales. Dept. Agr. Insect Pest L. 93,3 p. 1952. 423.92 N47

7497 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Codling moth (Cydia [i.e. Carpocapsa] pomonella.). Agr. Gaz. N. S. Wales 63:422-425,430. Aug.1952. 23 N472

7498 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGY BR. Cutworms. N. S. Wales. Dept. Agr. Insect. Pest L. 31,2 p. 1952. 423.92 N47

7499 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. The peach tip moth (Cydia molesta). N. S. Wales. Dept. Agr. Insect Pest L. 2,2 p. 1952. 423.92 N47

7500 ORTEGA, J. C. Walnut pest studies; studies in southern California compare a new spray material with DDT for codling moth [Carpocapsa pomonella] control. Calif. Agr. [Calif. Sta.] 6(8):13. Aug.1952. 100 C12Cag

7501 OSTHELDER, L. Die kleinschmetterlinge. 2. Glyphipterygidae bis Micropterygidae. München,1951. p.115-250. (Die Schmetterlinge Südbayerns und der Angrenzenden Nördlichen Kalkalpen. 2) 430 Sch4
Includes new species in Tinea and Gelechia.

7502 PELTONEN, O. Ein massenauftreten von Lithosia cereola Hb. (Lep., Arctiidae). (In Finnish.) Suomen Hyönteistieteellinen Aikakausk. 17:158-161. 1951. 421 Su7
German summary.

7503 PETRIK, C. Dudovac i njegovo suzbijanje [Mulberry spinner (fall webworm) and its destruction]. Beograd,Zadružna Knjiga,1951. 46 p. (Praktična Poljoprivredna Knjiga) 430 P442
Hyphantria cunea.

7504 POVOLNÝ, D. Contribution to the knowledge of our Cossidae. (In Czech.) Brünn. Vysoká Šk. Zeměděl. a Lesn. Sborn. 3/4:75-93. Ref. Dec.31,1951. 105.92 B833
English summary.

7505 PRING, R. W., and ROCHE, P. The butterflies of Nigeria. VI. Nymphalidae: Nymphalinae: Cymothoe. Nigerian Field 17:53-66. Apr.1952. 410 N56

7506 PROVAGLIO, G. Agrotis, bran, and insecticides. (In Italian.) Humus 8(7/8):23-24. July/Aug.1952. 16 H88
Corn pest.

7507 PSCHORN-WALCHER, H. Heimtückische gespinstinsassen [Nygmia phaeorrhoea]. Pflanzenarzt 5(10):4-5. Oct.1,1952. 464.9 P482

7508 RABAUD, E. Notes sur le comportement de Cnethocampa [i.e. Thaumetopoea] pityocampa Schiff. (Lépidoptères). Feuille des Nat. (n.s.)7:38. May/Aug. 1952. 410 F432

7509 REID, W. J., JR., and BARE, C. O. Seasonal populations of cabbage caterpillars in the Charleston, S. C., area. J. Econ. Ent. 45:695-699. Aug.1952. 421 J822

7510 REISSER, H. Zur Lepidopterenfauna von Niederösterreich: zwei für Osterreich neue Heteroceren. Wien. Ent. Gesell. Z. 36:130-134. Dec.31,1951,pub. June 30,1952. 421 Os7

7511 REMINGTON, C. L. The biology of Nearctic Lepidoptera. I. Foodplants and life-histories of Colorado Papilionoidea. Psyche 59:61-70. June 1952. 421 P95

7512 RICHARD, F. Eriogaster catax L. Lambillionea 52:26-30. May 25/June 25,1952. 420 N15

7513 RINDGE, F. H. An additional synonym in Annaphila (Lepidoptera, Phalænidæ). N. Y. Ent. Soc. J. 60:172. Sept.1952. 420 N48J
Brephos fletcheri J. B. Smith=Annaphila arvalis.

7514 RISCO BRICEÑO, S. H. Control biológico del barreno de la caña de azúcar [Diatraea saccharalis] Vida Agr. [Lima] 29:543,545,547,549-550,552. July 1952. 9.8 V66
Lixophaga diatraeae as control agent.

7515 ROELL, L. Sammeltage in den Süd- und Ostalpen. Ent. Z. 62:73-80,85-88,91-94. (Cont.) Aug.15-Sept.15,1952. 421 En85
Lepidoptera.

7516 RUSSELL, S. G. C. Notes from the journal of a Victorian. Ent. Rec. & J. Variation 64:243-245. Sept. 1952. 421 En89
Lepidoptera collecting.

7517 SANKAR, D. V. S., and SARMA, P. S. Studies on biotin. IV. Uric acid excretion in the rice moth larva (Corcyra cephalonica St.). J. Sci. & Indus. Res. 11B: 394-395. Sept.1952. 475 J82

7518 SAUNDBY, SIR R. Moth-traps and egg cartons. Entomologist 85:193-194. Sept.1952. 421 En8

7519 SCHUTZE, E. Eupithecien-studien. I. (Lep. Geom.). Vier deutsche impurata-rassen. Wien. Ent. Gesell. Z. 36:164-170. Dec.31,1951,pub.June 30,1952. 421 Os7

7520 SCHÜTZE, E. Sammelfahrt in's Frankenland. Ent. Z. 62:83-85. Sept.1,1952. 421 En85
Lepidoptera.

7521 SHEPPARD, P. M. A note on non-random mating in the moth Panaxia dominula (L.). Heredity 6:239-241. Aug.1952. 443.8 H42

7522 SKALA, H. Einige blattminen aus verschiedenen kleinfalterfamilien. Wien. Ent. Gesell. Z. 36:182. Dec.31,1951,pub.June 30,1952. 421 Os7

7523 SMITH, E. H. Control of peach tree borer [Sanninoidea exitiosa] and lesser peach tree borer [Synanthedon pictipes]. J. Econ. Ent. 45:611-615. Aug.1952. 421 J822

7524 SMITH, E. H., and HARRIS, R. W. Influence of tree vigor and winter injury on the lesser peach tree borer [Synanthedon pictipes]. J. Econ. Ent. 45:607-610. Aug.1952. 421 J822

7525 SPERRING, A. H. The chromosome number of Leucania favicolor Barrett and L. pallens Linn. Ent. Rec. & J. Variation 64:257-258. Sept.1952. 421 En89

7526 STEINHAUS, E. A., and HUGHES, K. M. A granulosis of the western grape leaf skeletonizer [Harrisina brillians]. J. Econ. Ent. 45:744-745. Aug.1952. 421 J822

7527 STORACE, L. Recherches sur le groupe africain de Papilio nireus L. Lambillionea 52:14-20,30-35. (Concl.) Mar.25/Apr.25-May 25/June 25,1952. 420 N15

7528 SWAIN, H. D. A list of Lepidoptera (Macros) found in the Putney district of London. Ent. Gaz. 3:109-117. July 1952. 421 En834

7529 SWAIN, H. D. Phalera bucephala, Linn. (buff-tip) melanic var. Ent. Gaz. 3:118. July 1952. 421 En834

7530 SYMES, H. Variations in the life cycle of Lasiocampa quercus L. var. callunae Palmer. Ent. Rec. & J. Variation 64:258-259. Sept.1952. 421 En89

7531 TAMS, W. H. T. Three new high mountain moths from East Africa (Lepidoptera: Heterocera). Ann. & Mag. Nat. Hist. (ser.12)5:869-874. Sept.1952. 410 An77
In Gorgopis and Saltia.

7532 TATEISHI, I., MURATA, T., and HISANO, S. On the parasitism of muscardine to the larva of Chilo simplex. (In Japanese.) Kyushu Noji Shikinjo 8:93-94. Oct.1951. 107.6 K996
Isaria farinosa and other entomogenous fungi listed.

7533 THALENHORST, W. Erfahrungen mit zwei forstlichen dauerschädlingen (eichenwickler [Tortrix viridana] und kleine fichtenblattwespe [Pristiphora pini]). Biol. Zentanst. f. Land- u. Forstwirt. Mitt. 74:58-61. Mar.1952. 410.9 G31M

7534 TIBBETTS, T., and KNOWLTON, G. F. Apterona crenulella in Utah (Lep.: Psychidae). Ent. News [Philadelphia] 63:211. Oct.1952. 421 En88

7535 TIRELLI, N. Woodborers of fruit trees in the Giugliano area. (In Italian.) Frutticolt. Campana 1(22): 1-2. Nov.20,1951. 80 F9474
Zeuzera and Cossus.

7536 TOKUNAGA, M., and TSUJITA, M. Control of peach pests using paper bags sprayed with DDT solutions. (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:106-110. Mar.1952. 22.5 K993
English summary.
Dichocrocis punctiferalis, Carposina niponensis and Grapholitha molesta.

7537 TRAVASSOS, L. Contribution to the knowledge of Arctiidae. XXVIII. (Lepidoptera, Heterocera). (In Portuguese.) Rev. Bras. de Biol. 12:151-160. July 1952. 442.8 R326

7538 TRAVASSOS, L., and TRAVASSOS FILHO, L. Dysschematidae, new name for Pericopidae Walker, 1869 (Lep., Heterocera). (In Portuguese.) São Paulo. Dept. de Zool. Papéis Avulsos 10:77-91. 1952. 410.9 Sa63
English summary.

7539 TSUJITA, M. External structure on the larva and pupa of the cotton pest; Earias cupreoviridis Walker (Noctuidae, Lepidoptera). (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:111-115. Mar.1952. 22.5 K993
English summary.

7540 UKHALIN, M. M., and STROKOV, V. V. Zeuzera pyrina. (In Russian.) Les i Step' 3(12):83-84. Dec.1951. 99.8 L565

7541 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Bibliography of the pink bollworm [Pectinophora gossypiella]. Washington,1952. 23 p. 1.967 C4B47

7542 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Control of the alfalfa caterpillar [Colias philodice eurytheme]. U. S. D. A. L. 325,5 p. 1952. 1 Ag84L
Supersedes Farmers' Bulletin 1094.

7543 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Gypsy moth [Porthetria dispar] and brown-tail moth [Nygmia phaeorrhoea]. U. S. Bur. Ent. & Plant Quar. B. E. P. Q.-Q. 45(amend),6 p. Aug.9,1952. 1 F31

7544 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The pink bollworm [Pectinophora gossypiella] fight, by R. W. Harned and J. Towers. Washington, Sept.20,1952. 3 p. 1.914 R2R11

7545 VAĬNSHTEĬN, B. A. Colotois pennaria L. [pest of trees]. (In Russian.) Les i Step' 3(11):80: Nov.1951. 99.8 L565

7546 VICENTE, S. Dermitis producidas por mariposas. Acta Cient. Venezol. 3:88-90. May/June 1952. 475 Ac83
Hylesia.

7547 VIETTE, P. Results of the Archbold Expeditions. Contribution a l'etude des Hepialidae (Lep.) 28. Treubia 21:257-262. Aug.1,1952. 410 T72
Includes new genera Zauxieus and Theaxieus.

7548 VIETTE, P. E. L. Note rectificative sur les Hepialidæ. Lambillionea 52:30. May 25/June 25,1952. 420 N15

7549 VITE, J. P. Massenauftreten des buchenrotschwanzes [Dasychira pudibunda]. Holz-Zentbl. 78:1711-1712. Oct.16,1952. 99.81 H742

7550 WALLACE, M. M. H., and MAHON, J. A. Webworm [Talis pedionoma?] damage to pastures in the southwest of Western Australia. Austral. Inst. Sci. J. 18:91-94. June 1952. 23 Au74

7551 WALTON, R. R., and STILES, C. F. The control of caterpillars attacking soybeans. Okla. Agr. Expt. Sta. Mimeog. C. M-239,2 p. Sept.1952. 100 Ok4M
Chiefly Plathypena scabra and Heliothis armigera.

7552 WARNECKE, G. Die verbreitung der Phytometra (Plusia) modesta Hb. (Lep. Noct.) in Deutschland. Ent. Z. 62:57-59. July 15,1952. 421 En85

7553 WARREN, B. C. S. Comments on two recent papers on the genus Erebia. Entomologist 85:205-209. (Cont.) Sept.1952. 421 En8

7554 WARREN, B. C. S. Comments on two recent papers on the genus Erebia. Entomologist 85:230-233. (Concl.) Oct.1952. 421 En8

7555 WIGHTMAN, A. J. An old wives' tale: a plea by another old moth hunter. Entomologist 85:195-196. Sept.1952. 421 En8

7556 WOODSIDE, A. M. The apple bark borer [Thamnosphecia pyri]. Va. Agr. Expt. Sta. B. 452,16 p. Apr.1952. 100 V81S

7557 WORMS, C. G. M. DE. Autumn collecting with a mercury vapour moth-trap near Woking. Entomologist 85:210-211. Sept.1952. 421 En8

See also Sericulture and the Silkworm.

ORTHOPTERA

7558 ALEXANDER, G., and RODECK, H. G. Two species of Great Basin Orthoptera new to Colorado. Ent. News [Philadelphia] 63:238-240. Nov.1952. 421 En88

7559 BEIER, M. Die Mantiden der subtribus Haaniees (Thespinae-Oligonychini) (Orth.) Treubia 21: 199-210. Aug.1,1952. 410 T72
Includes a new species in Haania.

7560 BODENHEIMER, F. S. On locust. Hakirya, 1952. 56 p. Ref. 429 B633O
Hebrew text; English title page and summary.

7561 BROWN, E. B. Observations on the life-history of the cockroach Ectobius panzeri Stephens (Orth., Blattidae). Ent. Mon. Mag. 88:209-212. Sept. 1952. 421 En86

7562 BROWNING, T. O. On the rate of completion of diapause development at constant temperatures in the eggs of Gryllulus commodus Walker. Austral. J. Sci. Res. Ser. B: Biol. Sci. 5:344-353. Ref. Aug.1952. 442.8 Au72

7563 CASALI, D. C. Comportamiento del D.O.C. en solucion oleosa. In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaria, p.93-94. Buenos Aires,1952. 429 C73S

7564 CASEY, J. Devil's horse. Pa. Angler 21(9): 14-15. Sept.1952. 410 P382

7565 CHIESA MOLINARI, O. Nuevas experiencias sobre lucha quimica contra los acridios con compuestos fosforados orgánicos. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(52):18-20. Apr.1952. 9 Id3

7566 COMITE INTERAMERICANO PERMANENTE ANTIACRIDIANO. Sesion extraordinaria del C.I. P. A. 15 de octubre de 1951 [Report]. Buenos Aires,1952. 179 p. 429 C73S

7567 CONNIN, R. V., and KUITERT, L. C. Control of the American grasshopper [Schistocerca americana] with organic insecticides in Florida. J. Econ. Ent. 45: 684-687. Aug.1952. 421 J822

7568 DAGUERRE, J. B. Informe sobre exploraciones acridiologicas realizadas en el Chaco Boreal, noviembre a diciembre de 1950. In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaria, p.143-163. Buenos Aires,1952. 429 C73S

7569 DURAND, M. C. Remarque sur l'évolution des acides nucléiques dans l'ovogénèse de Gryllus bimaculatus. Acad. des Sci. Compt. Rend. 235:824-826. Oct.13,1952. 505 P21

7570 EISA, E. A. A simple olfactometre successfully used for cockroaches (Periplaneta americana). Euclides 11:347-348. Oct.1951. 475 Eu2

7571 EL SHAFIE, B. B. Locusts in the Sudan. Sudan Wild Life & Sport 2:22-28. July 1951. 410 Su2

7572 EVANS, E. J. The stridulation noise of locusts. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:39-42. June 16,1952. 420 L84Pa

7573 FULTON, B. B. Speciation in the field cricket [Acheta]. Evolution 6:283-295. Sept.1952. 443.8 Ev62

7574 GASTON, J. Lucha internacional contra la langosta Schistocerca cancellata (Serville). In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaria, p.175-179. Buenos Aires,1952. 429 C73S

7575 GRIFFITHS, J. T., and THOMPSON, W. L. Grasshoppers in citrus groves. Fla. Agr. Expt. Sta. B. 496,26 p. Ref. June 1952. 100 F66S

7576 GUNN, D. L., and HUNTER-JONES, P. Laboratory experiments on phase differences in locusts. Brit. Mus. (Nat. Hist.) Anti-Locust B. 12,35 p. Ref. 1952. 420 B772A
Includes Statistical analysis of data on the selection experiments, by D. E. Davies.
Experiments with Schistocerca gregaria and Locusta migratoria migratorioides.

7577 GURNEY, A. B. The correct spelling of the generic name of the German cockroach [Blattella germanica]. J. Econ. Ent. 45:752. Aug.1952. 421 J822

7578 HARPER, R. W. Grasshoppers of economic importance in California. Calif. Dept. Agr. B. 41:153-175. July/Sept.1952. 2 C12M

7579 HARPER, R. W. Mormon cricket [Anabrus simplex] infestation—eastern Sierra and Lassen Counties. Calif. Dept. Agr. B. 41:144-146. July/Sept.1952. 2 C12M

7580 KIHSS, P. Un nuevo producto: la aladrina se usa para combatir a la langosta. Mundo Agr. 4(39):66. Aug.1952. 9 M92

7581 KIRSCH, M. R. "Child of the earth." Nat. Mag. 45:425. Oct.1952. 409.6 N214
Stenopelmatus longispina.

7582 LAWSON, F. A. Structural features of cockroach egg capsules. II. The ootheca of Cariblatta lutea lutea (Orthoptera: Blattidae). Ohio J. Sci. 52:296-300. Sept.1952. 410 Oh3

7583 LIEBERMANN, J. Exploración acridiológica en Santa Cruz. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(52):9-12. Apr.1952. 9 Id3

7584 LOWDERMILK, W. C. Of locusts and a lost Eden. Land 11:190-198. Summer 1952. 279.8 L22
Includes discussion of irrigation possibilities in the Middle East.

7585 MALDONADO BRUZZONE, R. Informe sobre exploraciones acridiologicas realizadas en el Chaco Boreal y oriente boliviano. In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaria, p.95-142. Ref. Buenos Aires,1952. 429 C73S

7586 MARCHIONATTO, J. B. Los periodos de maximas y minimas de las invasiones de langosta en la Argentina. In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaria, p.25-28. Buenos Aires,1952. 429 C73S

7587 MILLAN, H. G. Desplazamiento de la langosta en el periodo invernal de 1951. In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaria, p.89-92. Buenos Aires,1952. 429 C73S

7588 MISRA, A. P. Aspergillus flavus Link; a parasite of the desert locust (Schistocerca gregaria Forsk.) Cur. Sci. 21:225. Aug.1952. 475 Sci23

7589 MOMMA, E. Further observations on the inner structure of the X-chromosome of Podisma sapporense (Orthoptera). Cytologia 17:156-160. Ref. Aug.1952. 442.8 C99

7590 MOORE, S., III, and SWEETMAN, H. L. Laboratory and field tests with vaporized lindane against four species of roaches. J. Econ. Ent. 45:655-657. Aug.1952. 421 J822

7591 NAKAHARA, H. Behavior of the mitochondria in cell division, with evidence concerning the kinetic function. Cytologia 17:168-178. Ref. Aug.1952. 442.8 C99
Podisma sapporense.

7592 PEREZ ALCALA, R. El problema de la langosta en Bolivia. In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaira, p.29-31. Buenos Aires,1952. 429 C73S

7593 PODTIAGUIN, B. Breve informe referente a las invasiones de Schistocerca cancellata (Serville, 1893, Scudder) en el Paraguay desde noviembre de 1950 hasta septiembre de 1951, inclusive. In Comité Interamericano Permanente Antiacridiano. Sesión Extraordinaria, p.51-77. Buenos Aires,1952. 429 C73S

7594 RAY-CHAUDHURI, S. P., and SARKAR, I. Frequency of dicentric bridges in meiosis in the grasshopper Gesonia punctifrons, produced by different dosages of X-rays. Science 116:479-482. Ref. Oct.31, 1952. 470 Sci2

7595 ROONWAL, M. L. Further observations on directional changes in locusts and other short-horned grasshoppers (Insecta:Orthoptera:Acrididae), and the importance of the third instar. Natl. Inst. Sci. India. Proc. 18:207-215. Ref. May/June 1952. 513 N212

7596 ROONWAL, M. L. Variation and post-embryonic growth in the number of antennal segments in the phadka grasshopper (Hieroglyphus nigrorepletus Bolivar), with remarks on the desert locust [Schistocerca gregaria] and other Acrididae (Insecta: Orthoptera). Natl. Inst. Sci. India. Proc. 18:217-232. Ref. May/June 1952. 513 N212

7597 SACKTOR, B., and BODENSTEIN, D. Cytochrome c oxidase activity of various tissues of the American cockroach, Periplaneta americana (L.). J. Cell. & Compar. Physiol. 40:157-161. Aug.1952. 444.8 J822

7598 SARAVALLI C., F. El combate de la langosta. Col. de Ingen. Agron. An. 4:28-35. 1951. 58.9 C82

7599 SHOTWELL, R. L. Tests with sprays for controlling grasshoppers on farm lands in North Dakota and Texas, 1950-51. U. S. Bur. Ent. & Plant Quar. E-845,21 p. Sept.1952. 1.9 En83

7600 SHULOV, A. The development of eggs of Schistocerca gregaria (Forskål) in relation to water. B. Ent. Res. 43:469-476. Ref. Oct.1952. 421 B87

7601 SMITH, R. W. Another method of rearing grasshoppers (Orthoptera) in the laboratory. Canad. Ent. 84:269-271. Sept.1952. 421 C16

SERICULTURE AND THE SILKWORM

7602 AKIMOTO, K. Spring cocoon production in 1951. Silk Digest 59:4-5. July 1951. 304.8 Si33
Japan.

7603 AMARAL, J. B. DE S. The proper aims of Brazilian sericulture. (In Portuguese.) Soc. Rur. Bras. Rev. 32(378):38-43. July 1952. 9.2 B733

7604 AVERKIEV, I. S. In regard to developing a new species of the oak silkworm (Antheraea pernyi) by changing the conditions of nutrition. (In Russian.) Vsesoíuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):37-39. Ref. 1952. 20 Ak1

7605 BOUNHIOL, J. J. L'achèvement de la métamorphose et la mue imaginale seraient commandés par le cerveau à la fin de la vie larvaire chez Bombyx mori L. Acad. des Sci. Compt. Rend. 235:671-672. Sept.29, 1952. 505 P21

7606 BOUNHIOL, J. J. Nature probablement sécrétoire du facteur cérébral conditionnant la mue imaginale de Bombyx mori L. Acad. des Sci. Compt. Rend. 235: 747-748. Oct.6,1952. 505 P21

7607 CARESCHE, L. La production de la soie grège au Japon; rapport de mission. 1949. Agron. Trop. [Nogent-sur-Marne] 7:373-382. July/Aug.1952. 26 Ag86

7608 CORRÊA DE BARROS, F. Sericicultura. Rio de Janeiro,Ministério da Agricultura, Serviço de Informação Agrícola,1951. 94 p. (S.I.A. 772) 425 C812

7609 FUKUDA, S. The production of the diapause eggs by transplanting the suboesophageal ganglion in the silkworm. Japan Acad. Proc. 27:672-677. Dec.1951. 513 T5723

7610 GONZALEZ MARIN, F. La crianza del gusano de seda. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 12-52 H,8 p. June 1952. 15 H68

7611 HASEGAWA, K. Studies on the voltinism in the silkworm, Bombyx mori L., with special reference to the organs concerning determination of voltinism. Tottori U. Facul. Agr. J. 1:83-124. Ref. Feb.20,1952. 107.6 T643

7612 HIRATA, Y., and others. Synthèses des ptérines et une remarque sur la constitution d'une ptérine de Bombyx mori. Experientia 8:339-341. Sept.15,1952. 475 Ex7
S. Nawa, S. Matsuura, and H. Kakizawa, joint authors.
English summary.

7613 JAPAN. IMPERIAL SERICULTURAL EXPERIMENT STATION. Yosan keiei no jittai chosa [Report of sericulture management conditions]. Tokyo,1951. 19 p. 425 J2722

7614 KONIKOV, A. S. Rearing oak silkworm on Betula verrucosa on the collective farms of Western Siberia. (In Russian.) Vsesoíuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):40-43. Ref. 1952. 20 Ak1

7615 MIYA, K. On the distribution of germ cells in the embryo of silkworm. (Studies on the development of the gonad in silkworm. III.). (In Japanese.) Jap. J. Genet. 27:48-55. Apr.1952. 442.9 J27
English summary.
Antheraea.

7616 OVANESÍAN, T. T. Some biological peculiarities of the organism of muscardine in the mulberry silkworm in Georgian SSR. (In Russian.) Mikrobiologiîa 21:445-448. July/Aug.1952. 448.3 M582
Beauveria bassiana.

7617 PAOLIERI, L. Origin of sericulture. (In Portuguese.) São Paulo. Serv. de Sericicult. B. Inform. 1:2-4. June 1952. 425.9 Sa6

7618 RICCERI, G. Quantitative variations of single diamino acids in the eggs of Bombyx mori during embryonal development. (In Italian.) Arch. di Sci. Biol. 36:376-393. Ref. July/Aug.1952. 442.8 Ar28

7619 SARKISÍAN, S. M. On the biological effect of heterospermic insemination in animals. (In Russian.) Zhur. Obshch. Biol. 13:311-318. Ref. July/Aug.1952. 442.8 Z6
Experiments with Bombyx mori and rabbits.

7620 SHIMOSAKODA, S. Recent development in the researches to improve reeling techniques. Silk Digest 59:3-4. July 1951. 304.8 Si33

7621 SIMONOV, N. S. Experiment in controlled rearing of the oak silkworm [Antheraea pernyi]. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(9):33-39. 1952. 20 Ak1

7622 TAKASAKI, T. Studies on the second linkage group in the silkworm, Bombyx mori L. II. Pale striped (p^{st}) and second striped (S^2) induced by X-rays. (In Japanese.) Japan. Sericult. Expt. Sta. B. 14(1),21 p. Ref. Apr.1952. 425.9 J273B
English summary.

7623 WAKUYAMA, K. Sericulture in USSR. (In Japanese.) Nogyo Sogo Kenkyu 6(3):279-288. July 1952. 22.5 N687

SMALLER ORDERS

7624 ASH, J. Siphonaptera bred from birds' nest. Ent. Mon. Mag. 88:217-222. Oct.1952. 421 En86

7625 BAILEY, S. F., and COTT, H. E. Thrips new to California. Calif. Dept. Agr. B. 41:176-179. Ref. July/Sept.1952. 2 C12M

7626 BANKS, C. J. An analysis of captures of Hemerobiidae and Chrysopidae in suction traps at Rothamsted, July, 1949. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:45-53. June 16,1952. 420 L84Pa

7627 BARRERA, A. Notas sobre Sifonapteros. IV. Descripción de Hystrichopsylla orophila nov. sp. (Siph., Hystrichops.). Ciencia 12:39-42. 1952. 475 C48
English summary.

7628 BICKLEY, W. E. Inheritance of some varietal characters in Chrysopa oculata Say (Neuroptera: Chrysopidae). Psyche 59:41-46. June 1952. 421 P95

7629 BLANTON, F. S. The control of epidemic typhus. N. Y. Ent. Soc. J. 60:153-156. Sept.1952. 420 N48J
Control of Pediculus humanus.

7630 CASSAGNAU, P., and DELAMARE-DEBOUTTEVILLE, C. Collemboles méridionaux. Soc. d'Hist. Nat. de Toulouse. B. 86:400-404. Dec.30,1951. 505 T64
Includes n. sp. Coloburella vandeli.

7631 DELAMARE-DEBOUTTEVILLE, C. Remarques sur les Collemboles cavernicoles des Pyrénées-Orientales. Soc. d'Hist. Nat. de Toulouse. B. 86:131-132. May 30,1951. 505 T64

7632 DYSON, W. E. An occurrence of Aeshna affinis in Kent. Entomologist 85:238. Oct.1952. 421 En8

7633 EICHLER, W. Strigiphilus portigi nov. spec. (Malloph.). Zool. Gart. 19:154. 1952. 410 Z724

7634 EWART, W. H., and others. Control of citrus thrips [Scirtothrips citri] with dieldrin. J. Econ. Ent. 45: 578-593. Ref. Aug.1952. 421 J822
F. A. Gunther, J. H. Barkley, and H. S. Elmer, joint authors.

7635 EWART, W. H., and ELMER, H. S. Dieldrin for thrips; control of citrus thrips [Scirtothrips citri] is possible but further studies are needed. Calif. Agr. [Calif. Sta.] 6(9):15. Sept.1952. 100 C12Cag

7636 FORREST, G. E. Piojera y sarna en el cerdo. Res 19:26635. Dec.20,1951. 286.85 R31

7637 GARDNER, A. E. A note on the colour variation and separation characters of Coenagrion scitulum (Rambur) (Odonata). Ent. Gaz. 3:161-166. July 1952. 421 En834

7638 GARDNER, A. E., and MACNEILL, N. Separation of Sympetrum striolatum (Charp.) and S. sanguineum (Mueller) (Odonata—Libellulidae). Ent. Gaz. 3: 167-169. July 1952. 421 En834

7639 GASCHEN, H. Le grèbe, hôte nouveau d'un mallophage connu. Schweiz. Arch. f. Tierheilk. 94:530. Aug.1952. 41.8 Sch9

7640 HARKER, J. E. A study of the life cycles and growth-rates of four species of mayflies. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:77-85. Sept.15,1952. 420 L84Pa

7641 HICKIN, N. E. Larvae of the British Trichoptera. 33. Polycentropus flavomaculatus Pictet (Polycentropidae). Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:86-88. Sept.15,1952. 420 L84Pa

7642 HINCKS, W. D. A new Australian species of the genus Antisolabis (Dermaptera., Labiduridae). Ent. Mon. Mag. 88:214-215. Sept.1952. 421 En86

7643 HYNES, H. B. N. The Plecoptera of the Isle of Man. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27: 71-76. Ref. Sept.15,1952. 420 L84Pa

7644 KALSHOVEN, L. G. E. Survival of Neotermes colonies in infested teak trunks after girdling or felling of the trees. Tectona 42:1-7. Aug.1952. 99.8 B65

7645 KIMMINS, D. E. A revision of the genera of the Apochrysinae (fam. Chrysopidae). Ann. & Mag. Nat. Hist. (ser.12)5:929-944. Oct.1952. 410 An77
Includes Anapochrysa n.g.; also new species in Joguina.

7646 KNOWLTON, G. F. Control the earwig [Forficula auricularia]. Utah. State Agr. Col. Ext. C. 170,2 p. July 1952. 275.29 Ut1

7647 LEMS, K. Some remarks on Odonata from Holland and Belgium. Ent. Ber. 14:132-133. Sept.1,1952. 420 N38B

7648 LIEFTINCK, M. A. On the Papuasian representatives of the genus Macromia Rambur, with descriptions of five new species and some larval forms (Odon.). Treubia 21:437-468. Aug.1,1952. 410 T72

7649 MACNEILL, N. Addenda to the description of the final instar of the nymph Lestes sponsa (Hansemann) (Odonata—Lestidae). Ent. Gaz. 3:171-174. July 1952. 421 En834

7650 MACNEILL, N. The final instar of Cordulegaster boltonii (Donovan)-C. annulatus (Latreille) (Odonata). Ent. Gaz. 3:119-124. July 1952. 421 En834

7651 NEETHLING, L. J. Serious grass losses caused by veld pest; new method to exterminate snouted harvester termites. Farmer's Wk. [Bloemfontein] 84:65. Sept.1952. 24 F225
Trinervitermes havilandi.

7652 NEUMARK, S. Chrysopa carnea Stephens and its enemies in Israel. Israel. Forest Res. Sta. P. 1,127 p. Ref. 1952. 99.9 Is73

7653 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Silverfish (Thysanura). Agr. Gaz. N. S. Wales 63:316-317. June 2,1952. 23 N472

7654 PLAOT, N. Collembola — new insect pest of field crops. (In Hebrew.) Hassadeh 32:452-454. Ref. July 1952. 26 H27

7655 RAZVIAZKINA, G. M. Spreading of virus of surface chlorosis of Aztec tobacco by tobacco thrips [Thrips tabaci]. (In Russian.) Tabac 13(3):53-59. May/June 1952. 69.8 T112

7656 ROSS, E. S. The identity of Teratembia geniculata Krauss and a new status for the family Teratembiidae (Embioptera). Wasmann J. Biol. 10:225-234. Ref. Summer 1952. 442.8 W28

7657 SIITONEN, O. Uber die varietäten der Trichopteren. Suomen Hyönteistieteellinen Aikakausk. 17: 111-113. 1951. 421 Su7

7658 SMIT, F. G. A. M., and TOUMANOFF, C. Description d'une nouvelle espèce de puce du genre Ancistropsylla (Toumanoff et Fuller 1947) avec quelques remarques sur la position taxonomique de ce genre. Soc. de Path. Exot. B. 45:554-559. 1952. 448.9 So13

7659 SMIT, F. G. A. M. Descriptions of two new fleas, with a redescription of the genus Chimaeropsylla Rothschild, 1911. Ann. & Mag. Nat. Hist. (ser.12)5:844-856. Sept.1952. 410 An77
New species in Ischnopsyllus and Chimaeropsylla.

7660 SMIT, F. G. A. M. A possible explanation of the occurrence of the flea Frontopsylla (Orfrontia) laeta in Scotland. Scot. Nat. 64:74-83. Ref. Autumn 1952. 410 Sco3

7661 STEER, H. B. Termites, an unnecessary evil. Amer. Forests 58(9):26,44-45. Sept.1952. 99.8 F762

7662 TOUMANOFF, C. La diagnose du genre Ancistropsylla (Siphonaptera) d'Extrême-Orient. Soc. de Path. Exot. B. 45:475-477. 1952. 448.9 So13

7663 TOUMANOFF, C., and SMIT, F. G. A. M. La redescription d'Ancistropsylla roubaudi Toumanoff et Fuller, 1947. Soc. de Path. Exot. B. 45:560-565. 1952. 448.9 So13

7664 TRAUB, R. Johnsonaepsylla audyi, a new genus and new species of flea from North Borneo, with notes on the subfamily Leptopsyllinae (Siphonaptera). Wash. Acad. Sci. J. 42:288-296. Sept.1952. 500 W276J

7665 WERNECK, F. L. Contribution to the knowledge of the Anoplura. II. (In Portuguese.) Rev. Bras. de Biol. 12:201-210. July 1952. 442.8 R326
Includes new species in Haematopinus.

7666 WESTFALL, M. J., JR. Additions to the list of dragonflies of Mississippi (Odonata: Anisoptera). Ent. News [Philadelphia] 63:200-203. Oct.1952. 421 En88

7667 WESTFALL, M. J., JR. Celithemis bertha Williamson in Florida with a description of a new subspecies (Odonata). Fla. Ent. 35:109-116. Sept.1952. 420 F662

7668 WRAY, D. L. Some new North American Collembola. Brooklyn Ent. Soc. B. 47:95-106. Oct.1952. 420 B79

In Sinella, Pseudosinella, Prospinanura n.g., Neobeckerella n.g., Dicyrtomina, Isotoma, Achorutes, Pseudachorutes, Spinisotoma, Isotomurus, Odontella and Entomobrya.

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

7669 ALBRECHT, R. Small, deep ponds furnish plenty of clean water cheaply. Prairie Farmer, Gen. Ed. 124(17):1,44-45. Sept.6,1952. 6 P883

Construction.

7670 ANDERSON, W. H. Nature's heavy artillery: lightning. Co-op Grain Q. 10(3):17-21. Sept.1952. 280.28 C7898

Use of lightning rods.

7671 BERTSCH, M. Fighting fires with the farm number system; here is a speedy method that is almost foolproof. Pairie Farmer, Gen. Ed. 124(12):6. June 21 1952. 6 P883

7672 BOOTH, C. E. Safety is a year round job. New Eng. Homestead 125(17):22-23. Sept.13,1952. 6 N442

7673 BYKOV, P. I. Collective farm fish farming in the Kuban Area. (In Russian.) Rybnoe Khoz. 28(4):42-43. Apr.1952. 414.8 R962

7674 BYRD, I. B. Farm fish ponds. Ala. Conserv. 23(6):10,16. July/Aug.1952. 279.8 AL1

7675 CREE, L., and DORSEY, C. P. 4-H safety goes specific. Farm Safety Rev. 10(5):6-7. Sept./Oct.1952. 449.8 F22

7676 FERRIS, J. Causes of farm fires in New York State. N. Y. Agr. Col. A. E. 839,26 p. Sept.1952. 281.9 C81

7677 HAYNES, H. J. An FFA safety program. Agr. Educ. Mag. 25:86. Oct.1952. 275.8 Ag8

7678 HENSLER, P. G. Farm fire extinguishers. Fla. Grower 60(11):5,28. Nov.1952. 80 F6622

7679 HOARE, E. R. The trend of agricultural engineering. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:672-675. Ref. 1951. 382 M31R

7680 INTERNATIONAL LABOUR OFF. Accidents and accident-prevention policies in agriculture. Geneva, 1952. 35 p. 449.15 In84

7681 LEES, A. B. Farm made roads; soil stabilisation with cement is possible with farm equipment. Good Husb. 2(12):25,39. Aug.1952. 24 G59

7682 MARKESON, J. Implement dealers in action. Farm Safety Rev. 10(5):4-5,14. Sept./Oct.1952. 449.8 F22

Accident prevention.

7683 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. Report for the period 1 October 1949 to 30 September 1951. London?1951? 119 p. 58.9 N214A

Scottish Machinery Testing Station cooperating.

7684 PAKHOMOV, S. P. Collective farm fishpond farming in the Lower Volga Area and prospects for developing it. (In Russian.) Rybnoe Khoz. 28(5):46-47. May 1952. 414.8 R962

7685 PEATFIELD, A. E. Simple concrete road making. Power Farmer 9:148-149. Oct.1952. 58.8 P872

7686 RATLIFF, P. Don't be a fire bug. Hoosier Farmer 37(10):11,48. Oct.1952. 280.82 H76

7687 RICHARDSON, T. C. Lightning rods aren't outdated even if their salesmen are. Farmer-Stockman 55(10):11,53. Oct.1952. 6 Ok45

7688 RUPP, R. G. Safety is an everyday job. Farmer [St. Paul] Gen Ed. 70(14):1,48. July 19,1952. 6 F2211

7689 SCHNELLBACH. Wie soll man landmaschinen-ingenieur werden? Tech. f. Bauern u. Gärt. Ausg. A 4: 387. Sept.10,1952. 58.8 T223

7690 STOREY, E., and ALLEN, W. Minnesota fatal farm accident review. Farm Safety Rev. 10(5):10-12. Sept./Oct.1952. 449.8 F22

7691 STURZENEGGER, O. Die unfallversicherung des schweizerischen landwirtschaftlichen vereins. Grüne 80:1169-1176. Oct.24,1952. 17 Sch9

7692 VENNER, K. Compact and convenient. Farmer & Stock-Breeder 66(3284):53. Sept.30/Oct.1,1952. 10 F228

Layout of a farm on the Isle of Wight.

7693 VERTRIEST, W. Une contribution à l'étude économique de la force de traction en agriculture. Rev. de l'Agr. 5:792-810. Aug.1952. 13 R322

English summary.

7694 VONDELL, J. H. Better safe than sorry! Everybodys Poultry Mag. 57(9):9. Oct.1952. 47.8 F213P

7695 WICHERS, H. E., LOCKRIDGE, D., and CAGLE, A. Planning your farmstead. Wash. State Col. Ext. B. 467,11 p. Sept.1952. 275.29 W27P

FARM MACHINES AND EQUIPMENT

7696 ABRAHAMSON, B. H. The Nkwaleni self-loading trailer. So. African Sugar J. 36:417,419,421. July 1952. 65.8 So8

7697 ALEKSEEV, IA. Peculiarities in the utilization of orchard machines and implements. (In Russian.) Mashinno-Traktornaîa Sta. 12(9):15-16. Sept.1952. 58.8 M11

7698 ALEKSIN, F. E. Complex mechanization of work in sugar beet culture and utilization of three-row beet combine. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:55-57. May 1952. 20 D742

7699 ALM, T. New type of courses for instruction in handling of equipment. (In Swedish.) Lantmannen 36: 667-668. Aug.23,1952. 11 L234

7700 ARBOUR, M. B. Progress of cotton mechanization in Lousiana. Cotton Gin & Oil Mill Press 53(20): 11-12. Sept.27,1952. 304.8 C822

7701 BAILEY, W. R. Economics of sugar-beet mechanization in California. U. S. D. A. C. 907,48 p. Aug.1952. 1 Ag84C

7702 BALLU, T. Où en est la motoculture? Tech. Agr. 60:9. Sept.1952. 58.8 T222

7703 BARROS, Z. C. DE. Mechanization cooperative. (In Portuguese.) Coop [Bahia] 11(102/103):15-16. May/June 1952. 280.28 C7842

7704 BENFORD, H. King Cotton has his mechanical problems. Prog. Farmer, Tex. Ed. 67(10):104-105. Oct. 1952. 6 T311

Interview with A. H. Moseman.

7705 BÖLDICKE, H. Zum beitrag "gummibereifung an landmaschinen und geräten." Deut. Agrartech. 2:212-214. July 1952. 58.8 D482

7706 BOXLER, B. Landmaschinen-konstruktion und-herstellung, werkstoffe, maschinenteile. Masch. in der Landwirt. 18(A1),68 p. Aug.1952. 58.8 M37

7707 BRATTON, C. A. Kind and value of machinery northern New York farms 1951. N. Y. Agr. Col. A. E. 838,25 p. Sept.1952. 281.9 C81

7708 BRUGGEMANS, R. J. La mécanisation de l'agriculture aux Etats-Unis. Rev. de l'Agr. 5:975-980. Sept.1952. 13 R322

English summary.

7709 BUTLER, R. In Turkey, the Marshall Plan worked. Farm Impl. News 73(18):42-43,83,86. Sept.25, 1952. 58.8 F22

Mechanization.

7710 ČAPEK, D. Qualitative reception of agricultural machines and equipment. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):18-20. July 1952. 21.5 V87

7711 CAPISTRANO, S. Farm mechanization work. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.238-254. Manila,Graphic House,1952. 37 P533

7712 CARREKER, J. R. Correlation of machinery and conservation practices. Agr. Engin. 33:623-624,643. Oct.1952. 58.8 Ag83

7713 CASALINI, M. Cooperation in the service of mechanization. (In Italian.) In Pesaro. Camera di Commercio industria e agricoltura. Manifestazione di meccanica agraria, p.45-50. Pesaro,1951. 58.9 P43

7714 CHUDAKOV, D. A., and LIUBIMOV, B. A. Fundamental problems in construction of mounted tractor assemblies. (In Russian.) Sel'khozmashina 1:9-15. Jan.1952. 58.8 Se42
Agricultural machinery.

7715 COCHRANE, R. H. Farm machinery and tractors. Christchurch,Whitcombe & Tombs,1951. 175 p. 58 C64

7716 COSSETTE, M. La gang du rang double. B. des Agr. 34(9):14,79-80. Sept.1952. 7 B872
Cooperative use of equipment in Quebec.

7717 CROSBIE, C. J. An easily handled field loader for bulk lime. New Zeal. J. Agr. 85:105-106. Aug.15, 1952. 23 N48J

7718 DOERING DE REMSCHEID, F. Máquinas agrícolas y aperos apropiados. Agr. Austral 20:186-187. May 1952. 9.3 Ag842
Latin America.

7719 DOMKE, E. Ein ruf an die praxis! Tech. f. Bauern u. Gärt. Ausg. A 4:419. Sept.25,1952. 58.8 T223
Mechanization.

7720 ELENEV, A. G. Mounted equipment for universal low-power KHTZ-7 tractor. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4: 87-90. Apr.1952. 20 D742

7721 FANNING, J. W. Good machinery management pays off. Prog. Farmer, Ga.-Ala.-Fla. Ed. 67(11):19-20. Nov.1952. 6 P945G

7722 FERGUSON, J. C. Progress of cotton mechanization in North Carolina. 4. Cotton Gin & Oil Mill Press 53(21):20,57. Oct.11,1952. 304.8 C822

7723 FILATOV, I. M. Mechanization of hard work on the [livestock] farms of Voroshilov Collective Farm [in Kolomna District]. (In Russian.) Sotsialist. Zhivotnovod. 14(4):73-74. Apr.1952. 49 So71

7724 FISCH, M. La famille nombreuse est-elle un obstacle à la motorisation? Génie Rur. 45:255. Sept. 1952. 58.8 Au8

7725 FISCHER-SCHLEMM, W. E. Mehrmotorenantrieb in der landwirtschaft. Tech. f. Bauern u. Gärt. Ausg. G 4:361-362. Aug.25,1952. 58.8 T223G

7726 FISUN, A. Science and machines on the collective farm fields. Indian Farm Mech. 2(3):28-29. Dec.1951. 58.8 In2
U. S. S. R.

7727 FLYGARE, E. One should consider the cost of mechanization. (In Swedish.) Lantmannen 36:707-708. Sept.6,1952. 11 L234

7728 FOLTIN, E. Die landmaschinenentwicklung im Fünfjahrplan und ihre weitere perspektive. Deut. Agrartech. 2:194-198. July 1952. 58.8 D482

7729 GALILEE, M. The objects of mechanization in the plantations. (In Hebrew.) Hassadeh 32:471-473. (Cont.) July 1952. 26 H27

7730 GALKIN, A. At the Chernoiarsk Livestock Farming Machine Station. (In Russian.) Mashinno-Traktornaia Sta. 12(8):9. Aug.1952. 58.8 M11

7731 GT. BRIT. COMMONWEALTH ECONOMIC COMMITTEE. Thirty-sixth report; a survey of the trade in agricultural machinery. London,1952. 174 p. 280.39 G795

7732 GUKALOV, V. Mechanization on the [sugar] beet state farms of the Ukrainian Main Administration of the Sugar Industry. (In Russian.) Sakh. Promysh. 26 (7):45. July 1952. 65.8 Sa2

7733 HAASTERT. Verwendung des frontladers zum abladen. Deut. Landwirt.-Gesell. Mitt. 67:636-637. Sept.6,1952. 18 N39
Sugar beets.

7734 HANSEN, K. The machine exhibitions 1952 as a link in the information work. (In Danish.) Dansk Landbr. 71:430-432. Sept.4,1952. 280.28 V91

7735 HILL, R. From machete to tractor: mechanization changes the picture in Peru. Impl. & Tractor 67 (22):94-96. Oct.25,1952. 58.8 W41

7736 HOLEKAMP, E. R. Progress of cotton mechanization in Arizona. 3. Cotton Gin & Oil Mill Press 53(21):16,18. Oct.11,1952. 304.8 C822

7737 HOLMSTRÖM, S. Farm equipment investments. (In Swedish.) Lantmannen 36:688-691. Aug.30, 1952. 11 L234

7738 HORNE, D. S. Design and development of farm equipment. Agr. Inst. Rev. 7(5):23-24,66-67. Sept.1952. 7 Ag8

7739 HUNTER, E. D. Progress of cotton mechanization in Oklahoma. Cotton Gin & Oil Mill Press 53(22): 7-8. Oct.25,1952. 304.8 C822

7740 HURD, A. The importance of mechanisation. Country Life [London] 112:938-939. Sept.26,1952. 80 C83

7741 IMPLEMENT & TRACTOR. I & T catalog file. 1952 edition. Impl. & Tractor 66(26),416 p. Dec.22,1951. 58.8 W41

7742 IVANCHENKO, A. Mechanized work for the cultivation of the Main Turkestan Canal Zone. (In Russian.) Khlopkovodstvo 5:43-50. May 1952. 72.8 K522

7743 KARATYSH, A. G. Tools to be used in caring for experimental variety crops. (In Russian.) Selek. i Semen. 19(8):67-70. Aug.1952. 61.9 Se5

7744 KOHLMUS, G. Die motorisierung der bayerischen landwirtschaft. Landtechnik 7:497-500. Aug.31,1952. 58.8 L235

7745 KORRICK, F. C. Farm mechanisation in Argentina. Power Farming Austral. & New Zeal 61(8):25, 27. Aug.1952. 58.8 P87

7746 KRIEBEL, M. Nachlese zur maschinenschau in Münster. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1609-1610. Oct.2,1952. 18 L2346

7747 KRIEBEL, M. Neue maschinen auf der Münsterlandausstellung 1952. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1566-1568. Sept.25,1952. 18 L2346

7748 KRÜGERKE. Verwendung von maschinen und geräten im obstbau. Obstbauberatungsring. Mittbl. 7(4): 1-3. Aug.1,1952. 85 Ob72

7749 LACOMBE, R. Démonstration de motoviticulture et l'équipement viticole. Prog. Agr. et Vitic. 138: 169-172. Sept.21/28,1952. 14 P94

7750 LARTSEV, N. I. Utilization of mechanization in sunflower culture. (In Russian.) Masl.-Zhir. Promysh. 17(3):3-5. Mar.1952. 307.8 M37

7751 LEIDL, E. Landmaschinen auf der wiener herbstmesse. Salzburger Bauer 7(38):6. Sept.18,1952. 19 Sa3

7752 LINDQVIST, T. Machinery associations in Gävleborg Province. (In Swedish.) Lantmannen 36:673-674. Aug.23,1952. 11 L234

7753 LUTHER. Zur belieferung der landwirtschaft mit maschinen, geräten und ersatzteilen. Deut. Agrartech. 2:217. July 1952. 58.8 D482
Russian Zone of Germany.

7754 MAIER, E. A. A story of sugar cane machinery. 12. Transportation. Sugar J. 15(4):29-31. Sept. 1952. 65.8 Su391

7755 MAZEPA, N. A. Experiment in utilizing a portable engine for work mechanization in animal husbandry. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:57-59. May 1952. 20 D742

7756 MEINDL, G. Die landwirtschaft auf der wiener herbstmesse. Landwirtschaft 17/18:249-251. Sept.1952. 19 L235
Chiefly on equipment.

7757 MELENT'EV, N. V. SKP-0,15 traveling crane [hay] stacker. (In Russian.) Sel'khozmashina 2:3-5. Feb. 1952. 58.8 Se42

7758 MIKHALEV, A., and GORELOV, V. Experience of the Pakhta-Abadskaia Machine-Tractor Station in its effort to gain a large crop of cotton wool. (In Russian.) Khlopkovodstvo 7:60-69. July 1952. 72.8 K522
Equipment.

7759 MKRTCH'IAN, V. S. Experiments of the Gorki state farm in mechanizing work on protected ground. (In Russian.) Sad i Ogorod 4:43-45. Apr.1952. 80 Sa13

7760 MOBERG, H. A. Landmaschinenprüfungen in Schweden. Landtechnik 7:553-555. Sept.30,1952. 58.8 L235

7761 MOYISEYEV, A. New farming machines in the U. S. S. R. Indian Farm Mech. 2(3):31-32. Dec.1951. 58.8 In2

7762 MULLER, H. Sachwerterhaltung an landwirtschaftlichen und gartenbaulichen geräten durch anstrich. Deut. Agrartech. 2:210-213. July 1952. 58.8 D482

7763 NEJESCHLEB, W. Die land- und forstwirtschaftsinspektion. Landwirtschaft 15/16:218-219; 17/18: 252-253. (Cont.) Aug.-Sept.1952. 19 L235
Machine inspection to prevent accidents in Austria.

7764 NEUMANN. Neue maschinen und geräte auf der ausstellung. Landwirtbl. Weser-Ems 99:907-909. Sept.11,1952. 18 L2345

7765 OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE AND DOMESTIC SCIENCE. DEPT. OF RURAL ECONOMICS. It's an idea for saving time, labor and money. Columbus,Ohio Bankers Assoc.,1951? 35 p. 58 Oh3

7766 OXFORD. UNIVERSITY. AGRICULTURAL ECONOMICS RESEARCH INSTITUTE. The finance of agricultural mechanization. Westminster Bank Rev., Aug.1952:18-19. 286.8 W52
Investments and operating costs.

7767 PAGLIA, G. The progress of agricultural mechanization in England. (In Italian.) Macch. e Motori Agr. 10:753-762. Aug.1952. 58.8 M13

7768 PERDISA, S. Publicity as a means of increasing sales is also good for agricultural machinery. (In Italian.) Macch. e Motori Agr. 10:765-778. Aug.1952. 58.8 M13

7769 PESARO. CAMERA DI COMMERCIO INDUSTRIA E AGRICOLTURA. Manifestazione di meccanica agraria: atti del Convegno e resoconto sulle prove pratiche di macchine sul terreno. [Exhibit of agrarian equipment: Acts of the Meeting and reports on the practical tests of machines in the field.] Pesaro,1951. 86 p. 58.9 P43

7770 PETERSEN, P. P. Complex mechanization of sugar beet culture. (In Russian.) Sovet. Agron. 10(8):19-25. Aug.1952. 20 So84

7771 PETERSON, B. Co-operation the answer to machinery problems in Ireland. Farm Mech. 4:408-409. Oct.1952. 58.8 B772

7772 POLEVITSKII, K. A., and KARPENKO, A. N. Sel'skokhozîaĭstvennye mashiny i orudiîa [Agricultural machines and implements]. Ed. 2, rev. and enl. Moskva, Gos. Izd-vo Selkhoz Lit-ry,1952. 646 p. (Uchebniki i Uchebnye Posobiîa dliâ Sel'skokhoziaĭstvennykh Tekhnikumov) 58 P755

7773 POPOVA, K. To improve the qualifications of mechanized cadres [at machine-tractor stations]. (In Russian.) Mashinno-Traktornaîa Sta. 12(8):26-27. Aug. 1952. 58.8 M11

7774 RADCHENKO, A. A. On increasing the level of mechanization in agriculture on collective farms. (In Russian.) In Kief. Académie des Sciences. Institut Ekonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p.288-301. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

7775 RANNELLS, K. How to slash fruit handling costs; Agriculture Department study of 250 orchards finds preference for fork lifts as MH equipment. Distrib. Age 51(10):26-27,56. Oct.1952. 288.8 T68

7776 REHRL, K. Der leistungsbedarf von fördergebläsen. Österr. Landtech. 5:167-169. June 1952. 58.8 L236

7777 RENARD. Landmaschinen auf der ausstellung in Oldenburg. Landwirtbl. Weser-Ems 99:906-907. Sept.11,1952. 18 L2345

7778 RIEMER, G. Mechanization still offers our country many possibilities. (In Dutch.) Plattelands-Post 8(39):1. Oct.2,1952. 12 P69

7779 RIES, L. W., and OSTEN, B. V. Ladegeräte in der bäuerlichen familienwirtschaft. Landtechnik 7: 548-553. Sept.30,1952. 58.8 L235

7780 ROSSINI, R. Mechanization on hill and mountain farms. (In Italian.) Italia Agr. 89:621-634. Sept.1952. 16 It1

7781 ROSTOVTSEL, A. Mechanization of agriculture in Soviet. Indian Farm Mech. 2(3):30. Dec.1951. 58.8 In2

7782 SAJA, F. Mechanization in agriculture. (In Italian.) Cron. Econ. 114:38-40. June 1952. 280.8 C882
Italy.

7783 SCHIFFINGER, R. Bringt der motor-geräteträger die vollmotorisierung des kleinbetriebes? Landwirtschaft 17/18:266-269. Sept.1952. 19 L235
Austria.

7784 SCOTT, D. F. Care of belt drives. New Zeal. J. Agr. 85:208. Sept.15,1952. 23 N48J

7785 SERSCHEN, K. ERP-darlehen für landmaschinen. Bauer 5(32):13. Sept.20,1952. 19 B32

7786 SHCHUCHKIN, N. V. Mounted equipment for KHTZ-7 tractor; mounting mechanism and KON-2,3 cultivator-hiller. (In Russian.) Sel'khozmashina 1:3-6. Jan.1952. 58.8 Se42

7787 SKOVGAARD, K. Mekanisering in landbruget; mekaniseringens indflydelse pa amerikansk landbrugs økonomi og struktur [Mechanization in agriculture; effect of mechanization on the economy and structure of American agriculture]. København,Udenrigsministerium, 1951. 53 p. (Teknisk Bistand under Marshallplanen) 281.12 Sk5

7788 SMIRNOV, A. P. Principle tasks in the sphere of technological manufacture. (In Russian.) Tabak 13(2): 35-37. Mar./Apr.1952. 69.8 T112
Mechanization.

7789 SPENCER, W. W. Fall chores made easy with power garden tools. Pop. Gard. [Albany] 3(10):38-39, 46-47. Oct. 1952. 80 P812

7790 STEFANELLI, G. Motorization and mechanization of hill farms. (In Italian.) In Pesaro. Camera di Commercio Industria e agricoltura. Manifestazione di meccanica agraria, p.19-35. Pesaro,1951. 58.9 P43

7791 STETZ. Was brachte die landmaschinenschau in Mannheim? Bauern-Ztg. 5(39):7,11. Sept.26,1952. 18 B324

7792 STEWART, E. Mechanization moves in on cotton. Prog. Farmer, Miss.-Ark.-La. Ed. 67(10):15, 156-157. Oct.1952. 6 So81

7793 TAHARA, T. Hatasaku nokigu [Farming implements]. Tokyo,Tennen-sha,1951. 113 p. 58 T132

7794 TOFANI, M. Development of the agricultural hill economy in relation to mechanization. (In Italian.) In Pesaro. Camera di Commercio industria e agricoltura. Manifestazione di meccanica agraria, p.65-75. Pesaro,1951. 58.9 P43

7795 TOKYO. UNIVERSITY. COLLEGE OF AGRICULTURE. Jitsuyo nogyo kogaku binran [Agricultural engineering manual]. Tokyo,Asakura Shoten,1951. 764 p. 290 T57

7796 URBAN, H. Neues von der Südwest-Schau Mannheim. Landwirt. Wchnbl. 142:1126-1127. Oct.4, 1952. 18 L2338
Equipment.

7797 VAINER, M. Economic effectiveness of introducing the new technique into collective farm production. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(8):8-15. Aug. 1952. 281.8 So73
Labor-saving equipment of machine-tractor stations.

7798 WACKERLIN, O. Weinbautechnische erfahrungen und ziele der rebbergzusammenlegungen im Klettgau II. Schweiz. Z. f. Obst.- u. Weinbau 61:409-412. (Concl.) Oct.4,1952. 80 Sch9
Includes equipment.

7799 WALKER, C., and CARNES, H. A grapple fork for baled hay. Power Farming Austral. & New Zeal. 61 (9):19,21. Sept.1952. 58.8 P87

7800 WARDROP, G. British machines prove themselves. Farmer & Stock-Breeder 66(3283):57. Sept.23/24,1952. 10 F228

7801 WOOD, I. D. The engineering revolution in agriculture. Agr. Engin. 33:613-616,626. Oct.1952. 58.8 Ag83

7802 ZAITSEV, A. Vasiliĭ Prokhorovich Gorîachkin, originator of the theory of agricultural machinery. (In Russian.) Mashinno-Traktornaîa Sta. 12(9):3. Sept.1952. 58.8 M11

7803 ZHUK, I.A., and others. New method of stacking straw. (In Russian.) Tekhsovety MTS 13(25/26):12-16. July 1952. 58.8 T223
S. Shevchenko, A. Levkin, and I. Blekhman, joint authors.
Equipment.

7804 ZNAMENSKII, A. A. Mechanization of work on field crop variety plots. (In Russian.) Selek. i Semen. 19(7):71-72. July 1952. 61.9 Se5

Animal Husbandry Equipment

7805 AITKEN, A. W. Milking machines of the bucket type. Victoria. Dept. Agr. J. 50:365-366. Aug.1952. 23 V66J

7806 ALEKSEEVA, L. Results of testing pedal [poultry] feeding machines. (In Russian.) Miâsnaîa Indus. SSSR. 23(4):60-62. July/Aug.1952. 50.8 M58

7807 BELLO, C., and ARNAL, H. Ordeño mecánico. Agro [Maracay] 7(21):45-49. June/Aug.1952. 9.95 Ag83

7808 BIOLOSKURSKY, I. Algunas indicaciones para el herraje de caballos. Campesino [Santiago] 84 (8):17,19. Aug.1952. 9.3 So12

7809 DENISOV, G. P. Protection of Rekord-39 and VIR-9 incubators against operation on two phases during a voltage of 380/220 volts. (In Russian.) Ptitsevodstvo 6:10-12. June 1952. 47.8 P95

7810 DUDNIK, P. E. To introduce fundamental improvements into KEM-20 incubator. (In Russian.) Ptitsevodstvo 5:16-18. May 1952. 47.8 P95

7811 ERNST, R. Die melkmaschine. Bauer 5(33): 11-12. Sept.27,1952. 19 B32

7812 GRIGOR'EV, G. K. Adjustable feeder for chicks. (In Russian.) Ptitsevodstvo 2:27-28. Feb.1952. 47.8 P95

7813 HARTUNG, A. M. Fable of horseshoe magic persists. West. Live Stock 38(2):16-17. Sept.1952. 49 W523

7814 IAGODIN, P. E. What kind of quarters are required for raising young poultry. (In Russian.) Ptitsevodstvo 2:19-20. Feb.1952. 47.8 P95
Brooder houses.

7815 KAZANSKII, D. I. In regard to a veterinary-sanitary evaluation of A. B. Voeĭkov's expanding collar [in the harness]. (In Russian.) Konevodstvo 22(8):30-31. Aug.1952. 42.8 K832

7816 KOROLEV, V. F. Mechanical milking of cows in summer camps. (In Russian.) Sotsialist. Zhivotnovod. 14(6):76-81. June 1952. 49 So71

7817 LACOMBE, R. Comment utiliser au mieux une machine a traire. Agr. Prat. 116:441-444. Sept. 1952. 14 J82

7818 LACOMBE, R. La traite mécanique. Paris, Flammarion,1952. 166 p. (La Terre; Encyclopédie Paysanne) 44 L113

7819 LALANNE, R. La traite mécanique. Opinion Econ. et Financ. 5(11):72-74. Mar.1952. 44 Op3

7820 MAHONEY, G. W. A. Cattle handling made easy. Prog. Farmer, Tex. Ed. 67(11):79-80. Nov.1952. 6 T311
Equipment.

7821 MARTIUGIN, D. D. Mechanical milking of cows. (In Russian.) Sotsialist. Zhivotnovod. 14(4):68-72. Apr.1952. 49 So71

7822 OWTRAM, I. H. Pumping skimmed milk to piggeries. New Zeal. J. Agr. 85:217-218. Sept.15,1952. 23 N48J

7823 PHILLIPS, D. S. M. Air-flow meter for testing milking machines. New Zeal. J. Agr. 85:213,215-216. Sept.15,1952. 23 N48J

7824 RICE, L. M. The McClellan saddle. West. Horseman 17(11):14-15,40-42. Nov.1952. 42.8 W522

7825 SAL'NIKOV, N. P. A portable canvas bath [for livestock]. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:69-72. May 1952. 20 D742

7826 SCHWARZ, P. Maschinelles weidemelken mit fahrbarem anbindemelkstand. Deut. Landwirt.-Gesell. Mitt. 67:600. Aug.23,1952. 18 N39

7827 SERVIA. GLAVNA DIREKCIJA PREDUZEĆA ZA OTKUP KOŽE I VUNE. Priručnik za upotrebu masina za strižu ovaca [Manual for operation of sheep-shearing machines]. Beograd,1951. 48 p. 45 Se6

7828 TAGGART, J. I. Anniversary report on progress in incubation. Hatchery & Feed 26(10):19-20,22,24. Oct.1952. 47.8 H28

7829 TEMPLETON, G. S. Nail keg nest box. Small Stock Mag. 36(10):36. Oct.1952. 48.8 P442

7830 VINE, R. Trouble shooting in milking plants; use of vacuum recording guage and air-flow meter. New Zeal. Farmer 73(12):9-10. Aug.14,1952. 23 N484

Cultivation and Tillage Equipment

7831 ARANDA HEREDIA, E. Eleccion y manejo del arado. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 7-52 H,16 p. Apr.1952. 15 H68

7832 BERNACKI, H. Pflugkörper der konstruction IM und ER. Deut. Agrartech. 2:207-210. July 1952. 58.8 D482
From: Mechnizacja i Elektrytikcja Rotnictwa, Warszawa, heft 7-8, 1951.

7833 BOHN, R. Neuzeitliche bodenbearbeitungsgeräte in obstanlagen. I. Tech. f. Bauern u. Gärt. Ausg. G 4:367-368. Aug.25,1952. 58.8 T223G

7834 BOHN, R. Neuzeitliche bodenbearbeitungsgeräte in obstanlagen. II. Tech. f. Bauern u. Gärt. Ausg. A 4:391-392. Sept.10,1952. 58.8 T223

7835 COCHRANE, R. H. Mechanical hedge-cutting. Power Farming Austral. & New Zeal. 61(9):29,31. Sept. 1952. 58.8 P87

7836 FRESSANGES, R. DE. Appareil de taillage et élagage des haies. Sol 69:313-314. 1952. 14 So4

7837 GOGUNSKII, G. G. Works on developing new soil cultivating machines. (In Russian.) Sel'khozmashina 3:3-5. Mar.1952. 58.8 Se42

7838 HOCHKÖNIG, W. Neues aus der technik des bodenseilzuges in Tirol. Österr. Landtech. 5:176-178. June 1952. 58.8 L236

7839 IVANOVA, E. L., and IVANOV, A. N. A reversible five-furrow gang plow for the electric tractor. (In Russian.) Sel'khozmashina 3:11-13. Mar.1952. 58.8 Se42

7840 JAUREGUI, J. S. La acción del arado y conservación de suelos. Agr. Austral 20:219-224. June 1952. 9.3 Ag842

7841 JIRLOW, R. Aldre plogar och årder i Kungl. Lantbruksakademiens Museum [Altere pflügegeräte in dem Museum der Kgl. schwedischen Akademie der Landwirtschaft. Lantbrakad. Tek. Avd. Meddel. 6,102 p. Ref. 1951. 11 L238
German summary.

7842 KARIANOV, N. Universal UPP-7 row cultivator. (In Russian.) Kolkhoz. Proizvodstvo 12(6):49-50. June 1952. 281.8 K83

7843 KARPENKO, A. N. Mechanization of summer and autumn cultivation of forage plants grown for seeds. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:47-50. May 1952. 20 D742

7844 KUHNERT, R. Richtiger und zweckmässiger einsatz von pflügen. Deut. Agrartech. 2:219-222. July 1952. 58.8 D482

7845 MELENT'EV, N. V. Mounted VNKH-3,0 drag harrow. (In Russian.) Sel'khozmashina 1:8-9. Jan.1952. 58.8 Se42

7846 MOISEEV, N. F. New small planting plow PP-40. (In Russian.) Sad i Ogorod 3:34-36. Mar.1952. 80 Sa13

7847 OSANAI, T. On the machete harrow. (In Japanese.) Kyushu Noji Shikinjo 8:5-6. Oct.1951. 107.6 K996

7848 RANSOME, D. P. Plough shares, types, designs and construction. Inst. Brit. Agr. Engin. J. 8(4):6-21. Apr.1952. 58.9 In7
Includes discussion.

7849 REYNOLDS, P. A. Making a toolbar. Nurseryman & Seedman 115:374-375. Aug.21,1952. 80 N933
For a rotary hoe.

7850 SCOTTON, M. A motorized cultivator of domestic construction. (In Italian.) Macch. e Motori Agr. 10:781-785. Aug.1952. 58.8 M13

7851 SINEOKOV, G. N. Movement in the soil of the operating parts of soil tilling equipment in the initial period of work. (In Russian.) Sel'khozmashina 3:5-10. Mar.1952. 58.8 Se42

7852 SOLJANIK, I. Une nouvelle charue a main. (In Serbo-Croatian.) Šumarski List 76:240-244. July 1952. 99.8 Su6
French summary.

7853 ZHILITSKII, IA. Z. Mechanized tillage of the soil in fruit orchards. (In Russian.) Sad i Ogorod 8:11-16. Aug.1952. 80 Sa13

Fertilizer and Seed Distributors

7854 ARGYLE, H. S. Applying orchard fertiliser, a handy home-made aid. West. Austral. Dept. Agr. J. (ser.3)1:299-300. May/June 1952. 23 W52J

7855 BOGACHEV, V. Peculiarities in utilizing the SUB-48 narrow-row [grain] drills. (In Russian.) Mashinno-Traktornaia Sta. 12(8):16-17. Aug.1952. 58.8 M11

7856 DIATLOV, I. G. Mechanization of kok-saghyz planting on mineral soils. (In Russian.) Sel'khozmashina 3:13-14. Mar.1952. 58.8 Se42

7857 DILLON, M. Manuring. Agr. Ireland 9:220-221. Oct.1952. 10.5 Ag8
Distributors.

7858 FEIX, H. Sä- und pflegemaschinen für sonderkulturen. Kärntner Bauer 102:179-180. Mar.15,1952. 19 K14

7859 FEIX, H. Stallmiststreuer. Bauer 5(33):5-6. Sept.27,1952. 19 B32

7860 GENIKHOVICH, M. SD-24 tractor drill attachment for cutting irrigation furrows simultaneously with sowing. (In Russian.) Tekhsovety MTS 13(9/10):1-7. Mar.1952. 58.8 T233

7861 GORNYĬ, V. A. Results of mechanized planting of tobacco and Aztec tobacco in 1951. (In Russian.) Tabak 13(2):14-16. Mar./Apr.1952. 69.8 T112

7862 HISSERICH. Miststreuen leichter und billiger gemacht. Landmasch.-Rundschau 4:182-183. Aug.1952. 58.8 L237

7863 INEICHEN, F. Der güllenwerfer. Grüne 80:1052-1054. Sept.19,1952. 17 Sch9

7864 KRECHETOV, M., and ZIMINA, E. Mechanization of check-hill planting of corn and other crops which require cultivation. (In Russian.) Tekhsovety MTS 13(11/12):1-14. Mar.1952. 58.8 T233

7865 LAL, M. M. Ploughs and ploughing. Indian Farm Mech. 2(3):7-9,13. Dec.1951. 58.8 In2

7866 LENTZ, J. H. Der Alldog-Neu-Ideal-kalkstreuer leistungsfähig und vielseitig. Hannoversche Land- u. Forstwirt. Ztg. 105:824-825. Aug.16,1952. 18 H194

7867 MINKH, N. Utilization of machines for fertilizer application. (In Russian.) Tekhsovety MTS 13 (25/26):1-12. July 1952. 58.8 T223

7868 PIACCO, R. The Grassi transplanter. (In Italian.) Riso 1(7):20-21. Aug.1952. 59.8 R49

7869 REĬSLER, IŬ. V. How to adapt grain planters for vegetables. (In Russian.) Sad i Ogorod 3:63-65. Mar.1952. 80 Sa13

7870 ROKHLIN, S. A. A tractor marker for check-hill planting of kok-saghyz. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta Sel'sk. Khoz. 4:34-37. Apr. 1952. 20 D742

7871 SCHMITZ, F. Das lohnkalken, ein weg zur intensivierung der landwirtschaft. Dreschen u. Pflügen 7 (8):2-3. Aug.15,1952. 58.8 D81

7872 ZALESOV, F. V. Selective seed planter. (In Russian.) Selek. i Semen. 19(6):73-75. June 1952. 61.9 Se5

Harvesting Equipment

7873 ALBRECHT, R. New cornpicker attachment may save hands, speed job. Prairie Farmer, Gen. Ed. 124(18):6. Sept.20,1952. 6 P883

7874 ALEKSEEV, N. M. Moĭ opyt raboty na kombaĭnakh [My method in working on combines]. Ivanovo, Ivanovskoe Obl. Gos. Izd-vo,1952. 34 p. 283 AL24

7875 ANDERSSON, Y. Denmark is greatly interested in machinery for potato growing. (In Swedish.) Lantmannen 36:813-814. Oct.11,1952. 11 L234
Chiefly harvesting machinery.

7876 APPELGREN, K. I. The farmers are mechanizing the heavy hay harvesting. (In Swedish.) Lantmannen 36:705-706. Sept.6,1952. 11 L234

7877 ARKEMA, P. W. B. Potato diggers. (In Dutch.) Plattelands-Post 8(39):5. Oct.2,1952. 12 P69

7878 BARSEWISCH, E. VON. Der mähdrescher 1952. Dreschen u. Pflügen 7(9):3-5. Sept.15,1952. 58.8 D81

7879 BJURLING, J. Beet mechanization quite far advanced. (In Swedish.) Lantmannen 36:794-796. Oct.4, 1952. 11 L234
Sugar beet harvesting equipment.

7880 BLACKWELDER, E. F. Marbeet midget adds improvements. Crystal-ized Facts Sugar Beets 6(4): 23. Oct.1952. 66.8 C88
Harvesting equipment.

7881 BOCHKAREV, B. I., and GÎACHEVA, V. N. Leading practice in complex mechanization of harvesting seeded grasses and legumes. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:51-54. May 1952. 20 D742

7882 BROWN, J. F. Hop picking by machine in England and America. Inst. Brewing. J. (n.s.)49:331-336. Sept./Oct.1952. 390.9 In7

7883 BUDAGOV, A. A., FEDOSEEV, B. V., and FILIPPOV, A. I. In regard to discussing N. V. Gerasimov's article "On attachments to grain combines." (In Russian.) Sel'khozmashina 2:5-9. Ref. Feb.1952. 58.8 Se42

7884 BUNNELLE, P. R., JONES, L. G., and KEPNER, R. A. Small-seed legume harvesting clover and alfalfa seed threshing losses minimized by minor modifications and adjustments of present machines. Calif. Agr. [Calif. Sta.] 6(9):11-12. Sept.1952. 100 C12Cag

7885 CAPEK, D. Preliminary results in testing machines for harvesting corn. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):170-182. 1952. 21.5 Y9
English summary.

7886 CHUMACHENKO, I., and CHERNYSHENKO, I. Highly-productive utilization of the automotive combine. (In Russian.) Mashinno-Traktornaîa Sta. 12(7):20-21. July 1952. 58.8 M11

7887 DELASNERIE, J. La journée nationale du moissonnage - battage. Agr. Prat. 116:434-438. Sept. 1952. 14 J82
France.

7888 DENCKER, C. H. Möglichkeiten und ziele einer mechanisierung des rübenbaues. Zucker 5:335-342. Aug.1,1952. 65.8 Z82

7889 EREMEEV, I. Experiment in utilizing the three-row SKEM-3 [sugar] beet combines. (In Russian.) Mashinno-Traktornaîa Sta. 12(7):16-19. July 1952. 58.8 M11

7890 FOX, H. Didn't get all your pastures mowed? Soil & Water Mag. 1(9):13. Sept.1952. 54.8 So3
Mowing equipment.

7891 GORBATOV, P. P. In regard to determining the choice of equipment for harvesting kok-saghyz seeds. (In Russian.) Sel'khozmashina 2:15-17. Feb.1952. 58.8 Se42

7892 GRADUACIONES de la cosechadora de arroz. Agro [Maracay] 7(21):63-66. June/Aug.1952. 9.95 Ag83

7893 GRITSENKO, T. Organizing the harvest of grass seedlings. (In Russian.) Khlopkovodstvo 6:36-40. June 1952. 72.8 K522
Equipment.

7894 HAMILTON, C. L. Adjust corn picker for safety and efficiency. Farm Safety Rev. 10(5):8-9. Sept./Oct. 1952. 449.8 F22

7895 HANNAH, G. B., SHELDON, W. H., and CARLETON, W. M. Methods and equipment for harvesting ladino clover seed, a report of trials in USA. Power Farming Austral. & New Zeal. 61(9):13,15,17. Sept.1952. 58.8 P87

7896 HOOGLAND, E. J. A. Beet harvesting equipment. (In Dutch.) Boerderij 36(52):5. Sept.24,1952. 12 B63

7897 HOOGLAND, E. J. A. Bietenoogstmachines [Beet harvesting machines]. Inst. v. Landbtech. en Rationalisatie. P. 21,47 p. Aug.1952. 58.9 W12

7898 ÎAKOVLEV, V. Complex mechanization of sugar beet harvesting. (In Russian.) Kolkhoz. Proizvodstvo 12(9):40-41. Sept.1952. 281.8 K83

7899 IRODOV, A., and OS'MAK, I. Corn harvesting with machines. (In Russian.) Kolkhoz. Proizvodstvo 12(8):39-40. Aug.1952. 281.8 K83

7900 JORRITSMA, J. Is the mechanization of sugar beet harvesting feasible? (In Dutch.) Landbode 6(38):7. Sept.25,1952. 12 L234

7901 KALÎUZHNYĬ, G. D., and BILEV, B. I. PN-30 plow and SNKH-2 [sugar] beet digger. (In Russian.) Sel'khozmashina 1:6-7. Jan.1952. 58.8 Se42

7902 KRANICK, F. N. G. What do you know about corn pickers? Hoard's Dairyman 97:810-811. Oct.10, 1952. 44.8 H65

7903 KRASSAWIN, P. P. Die weitgreifende, selbstfahrende mähmaschine KS-10. Deut. Agrartech. 2:202-204. July 1952. 58.8 D482

7904 LEDNEV, K., and MURZIN, P. Harvesting silage crops with a reconstructed combine. (In Russian.) Mashinno-Traktornaîa Sta. 12(7):23. July 1952. 58.8 M11

7905 LEKUTIN, N. Reconstruction of straw shaker of Stalinets-60 combine. (In Russian.) Mashinno-Traktornaîa Sta. 12(7):22-23. July 1952. 58.8 M11

7906 MAHR, T. Schon wieder etwas neues? Traktor 3:188-189. Aug.1952. 58.8 T677
Hay harvesting equipment.

7907 MIKHAĬLOV, B., and MAĬBORODA, N. On the resistance of the harvesting-stubble plowing assemblies. (In Russian.) Mashinno-Traktornaîa Sta. 12(4):21. Apr. 1952. 58.8 M11

7908 MOISEEV, N. F. Mechanization of potato and vegetable harvesting. (In Russian.) Sad i Ogorod 8:61-65. Aug.1952. 80 Sa13

7909 PARKS, R. R. Progress in mechanizing harvest operations. West. Fruit Grower 6(11):13-14. Nov. 1952. 95.8 G762

7910 PEILL, E. Wege und möglichkeiten einer vollmechanisierten rübenernte. Deut. Landwirt.-Gesell. Mitt. 67:611-618. Aug.30,1952. 18 N39

7911 RAYMOND, J. A search for the perfect harvester. Power Farmer 9:127-129. Oct.1952. 58.8 P872
Potatoes.

7912 REE, A., and others. Harvesting with combine. (In Norwegian.) Norsk Landbr. 18:301-304. Aug.29,1952. 11 N8122
H. W. Jarlsberg, C. Kielland-Gyrud, F. Moltzau, and J. C. Hafstaa, joint authors.

7913 ROSENKRANZ, O. Vortelle des pommritzer rüben-ernte-verfahrens. Deut. Landwirt. 3:460-463. Sept.1952. 18 D4822

7914 RUHNKE, F. Der "schatzgräber" bei der kartoffel- und zuckerrübenernte. Deut. Landwirt. 3:457-460. Sept.1952. 18 D4822

7915 SCHUSTER, W. Erfahrungen mit dem motormäher beim ernten von feldversuchen. Tech. f. Bauern u. Gärt. Ausg. A 4:369-370. Aug.25,1952. 58.8 T223

7916 SHOUSE, A. Researchers seek better harvesters, fiber improvment and fertilizers. West Tex. Today 33(6,i.e.7):22,28. Aug.,i.e.Sept.1952. 286.8 W522
Cotton.

7917 SOULA, Y. Problèmes de la récolte mécanique du Tournesol. Sol 69:304-305. 1952. 14 So4

7918 TALBOT, G. E. Harvest machine improvement. Sugar Beet 10(7):12-13. Sept.1952. 66.8 Su34B

7919 TALLAY, J. Le moissonnage-battage. Agriculture [Paris] 16:193-194. July/Aug.1952. 14 Ag823

7920 URBAN, H. Zwei neue mähdrescher. Traktor 3:182-183,185. Aug.1952. 58.8 T677

7921 VOLKOV, G, and FRENKIN, V. How to utilize machines to gain the highest production in harvesting cotton. (In Russian.) Khlopkovodstvo 7:53-59. July 1952. 72.8 K522

7922 WESETH, G. Take care of the valuables! Reduce loss of grain from combine threshing as much as possible. (In Danish.) Samvirke [Oslo] 47:375-377. Sept.15,1952. 280.28 Sa4

7923 WILKINSON, R. A. Rubber rienks in harvesters. Sugar Beet 10(7):20-23. Sept.1952. 66.8 Su34B

7924 YOUNG, C. A. N. The development of the Fairymead cane harvester. Internatl. Soc. Sugar Cane Technol. Proc. 7:304-310. 1950,pub.1951. 65.9 In84

7925 ZAKHARCHENKO, A. Combines for harvesting corn. (In Russian.) Tekhsovety MTS 13(27/28):1-11. July 1952. 58.8 T233

Land Clearing Equipment

7926 FORBES, R. H. Idaho bulldozes path to progress. West. Dairy J. 8(12):43-45. Oct.1,1952. 44.8 W524
Land clearing.

7927 HOLCOMB, E., and HOLCOMB, R. Brush clearing by mechanical methods. Cattleman 39(5):32-35. Oct.1952. 49 C29

7928 JESSOP, R. B. Mechanised land reclamation. In Damodar Valley Corporation. Symposium on soil conservation, p.33. Hazaribagh,1951. 56.7 D18

7929 MCCOLLY, H. F., and ROTH, F. W. Mechanical stonepickers. Mich. Agr. Expt. Sta. Q. B. 35:75-82. Aug.1952. 100 M58S

7930 MUIR, J. Mechanical brush clearing the West's 'great white hope.' West. Livestock J. 30(48):37, 56-57. Aug.15,1952. 6 F2278

7931 PILLAI, S. S. Organisation and planning of mechanical earth moving for reclamation of waste land. In Damodar Valley Corporation. Symposium on soil conservation, p.34-35. Hazaribagh,1951. 56.7 D18

7932 TRIST, P. J. O. Machines for the £10 ploughing. Power Farmer 9:118-120. Oct.1952. 58.8 P872
Land clearing

7933 WOODRUFF, R. J., JR. Land revolution in Ceylon. Du Pont Mag. 46(5):12-13. Oct./Nov.1952. 309.8 D92
Land clearing equipment.

Processing Equipment Used on the Farm

7934 ABRAMOV, B. P. Cleaning timothy seeds with the sorting machine "Zmeika." (In Russian.) Selek. i Semen. 19(5):79. May 1952. 61.9 Se5

7935 BAKER, V. H., and CALHOUN, J. L. Factors in the design of baled-hay driers. Agr. Engin. 33:627-631,634. Ref. Oct.1952. 58.8 Ag83

7936 BRACKE, O. Grünfuttertrocknung in Holland. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1697-1699. Oct.16,1952. 18 L2346

7937 COATES, E. S. High quality hay—a "cash" crop. Pee Dee Hi-Lite 3(9):5-6. Sept.1952. 335.8 P34
Artificial drying of hay.

7938 FAGOTTI, B. Whole utilization of green grasses. (In Italian.) Mondo Agr. 3(33/34):5. Aug.24, 1952. 16 M74
Method of hay manufacture.

7939 FOLTINEK, H. Primitivtrocknung von feuchtgetreide. Österr. Landtech. 5:169-171. June 1952. 58.8 L236

7940 GOETZ, K. Dreschhäckseln oder häckseldrusch? Tech. f. Bauern u. Gärt. Ausg. A 4:409-411. Sept.25,1952. 58.8 T223

7941 HALL, C. W., and MADDEX, R. L. A recirculating drier for drying pea beans with heated air (a preliminary report). Mich. Agr. Expt. Sta. Q. B. 35:83-86. Aug.1952. 100 M58S

7942 HOFFSCHLAEGER, E. Kartoffel-grossdämpfanlage mit zusatz für rübenverarbeitung. Deut. Landwirt.-Gesell. Mitt. 67:622-624. Aug.30,1952. 18 N39
Silage preparation.

7943 HUMBERT, W. La déshydratation des fourrages. B. des Engrais 343:137-139. July/Aug.1952. 57.8 B87

7944 KARATYSH, A. G. Clover drier for processing seeds of selected experimental crops. (In Russian.) Selek. i Semen. 19(9):64-65. Sept.1952. 61.9 Se5

7945 KOSMACK. Die MAB-tabak-auffädelmaschine. Deut. Agrartech. 2:216. July 1952. 58.8 D482

7946 MUMGAARD, M. L. Select a crop drying fan or blower suited to the job. Nebr. Elect. Farmer 6(9): 6,30. Sept.1952. 335.8 N27
Grain and hay.

7947 NEEDHAM, R. T. Modern farm dairy equipment. London,Hill,1952. 91 p. 44 N282

7948 NOVIKOV, G. Grain drier of agronomist Udovenko's construction. (In Russian.) Sel'sk. Stroitel' 7(2):18-19. Mar./Apr.1952. 296.28 Se4

7949 OBEDNIN, N. Mechanized grain cleaning floor. (In Russian.) Kolkhoz. Proizvodstvo 12(6):40-41. June 1952. 281.8 K83

7950 OBERMOSER, K. Die besonderheit des elektrischen "Albo"- dreschantriebs. Dreschen u. Pflügen 7. (8):3-5. Aug.15,1952. 58.8 D81

7951 PIL'CHEVSKIĬ, A. I. A farm's initiative. (In Russian.) Sotsialist. Zhivotnovod. 14(4):75. Apr.1952. 49 So71
Mechanization of feed preparation on Molotov Collective Farm in Makarov District, Kiev Region.

7952 SAVINSKIĬ, G. New grain drier. (In Russian.) Kolkhoz. Proizvodstvo 12(6):42-43. June 1952. 281.8 K83

7953 SCHWENINGER, C. E. Qualitätsmilch durch kühlung. Landtechnik 7:581-583. Oct.15,1952. 58.8 L235
Equipment.

7954 SCOTT, SIR L. Corn-drying kilns a study of types in former periods. Milling 119:218,220,224. Aug.30,1952. 298.8 M622
Reprinted from Antiquity.

7955 SLOBODIANIK, N. I. Threshing, cleaning, polishing, and extraction of seeds from vegetable crops. (In Russian.) Selek. i Semen. 19(6):62-68. June 1952. 61.9 Se5
Equipment.

7956 SPLINTER, W. E. College-built attachment aimed at problem of removing dirt and trash from sugar beets. Sugar Beet J. 18:8-9. Oct.1952. 66.8 Su38

7957 TALLARICO, G. An authentic revolution in the mechanical system of forage plant dehydration. (In Italian.) Agricoltura 1(9):41-44. Sept.1952. 16 Ag8226
English summary.

7958 TALLARICO, G. Integrated utilization of grasses. (In Italian.) Italia Agr. 89:569-596. Sept.1952. 16 It1
Processing of the grass into a new-type hay.

7959 TODOROVIĆ, S. Method of testing threshing machines. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):72-95. 1952. 21.5 Y9
English summary.

7960 TOLKOVSKIĬ, V. MLS-2,5 complex flax thresher. (In Russian.) Kolkhoz. Proizvodstvo 12(6):48-49. June 1952. 281.8 K83

7961 VASILENKO, I. F., and SERGEEV, A. S. Current method of cleaning and drying of newly harvested seed grain. (In Russian.) Selek. i Semen. 19(7):64-70. July 1952. 61.9 Se5
Equipment.

7962 VICTOR, B. Die dreschmaschine und ihr betrieb. Dreschen u. Pflügen 7(9):9-10. (Cont.) Sept.15, 1952. 58.8 D81

7963 VORONOV, I. G., and PATSIUK, A. S. Separating seeds of dodder and Johnson grass. (In Russian.) Selek. i Semen. 19(6):68-73. June 1952. 61.9 Se5
Equipment.

7964 VYTCHIKOV, A., and ZHURUKHIN, F. A little machine for threshing the heads of silage varieties of sunflowers. (In Russian.) Kolkhoz. Proizvodstvo 12(8): 49. Aug.1952. 281.8 K83

7965 ZHUK, ĬA. M. Method of mechanizing grain processing on collective farm threshing floors in the South. (In Russian.) Sel'khozmashina 2:10-12. Feb.1952. 58.8 Se42

7966 ZHURUKHIN, F. A., and BOLOTOV, D. K. Mobile laboratory threshing machine. (In Russian.) Selek. i Semen. 19(8):70-72. Aug.1952. 61.9 Se5

Repair, Maintenance, and Construction Equipment

7967 KOVALENKO, I. Not to allow overexpenditures of [lubricating] oil on S-80 tractors. (In Russian.) Mashinno-Traktornaĭa Sta. 12(7):24-25. July 1952. 58.8 M11

7968 MIX, F., and MOORE, J. C., eds. Farm mechanics power tool manual. Chicago,Goodheart-Willcox,1952. 352 p. 58 M692

7969 MORFORD, V. J. Your ranch shop is as useful as you make it. West. Farm Life 54(18):5,19. Sept. 15,1952. 6 R153

7970 SCHEEL, W. S. Richtig schmieren! Deut. Agrartech. 2:223-224. July 1952. 58.8 D482

7971 WAKEMAN, T. J. A program to teach farm machinery maintenance. Better Farming Methods 24(10): 50,52-53. Oct.1952. 58.8 B46

Spraying and Dusting Equipment

7972 BENNETT, A. G., JOHNSTON, T., and MURPHREE, L. C. Three gallon sprayer for cotton insect control. Miss. State Col. Ext. P. 240,2 p. June 1952. 275.29 M68Ext

7973 BESKINE, J. M. The use of the low-volume mist blower. World Crops 4:338-343. Oct.1952. 281.8 W892

7974 BURRELL, A. B. New methods and machines for spraying apples. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:84-93. 1950,pub.1951. 82 Q3

7975 FEIS, N. Mist sprayers for the orchard. V. (In Dutch.) Fruitteelt 42:646-647. Aug.28,1952. 86 N28

7976 FRICKHINGER, H. W. Fortschritte in der technik der pflanzenschutzes. Anz. f. Schädlingsk. 25: 136-137. Sept.1952. 421 An9
Spraying equipment.

7977 GLEMMESTAD, E. Technical equipment for control of dry rot of potatoes. (In Norwegian.) Norsk Landbr. 18:292-293. Aug.15,1952. 11 N8122

7978 KHARIN, S. A., and KAPLAN, R. M. A wide-gripping fire hose for spraying fruit crops. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(7):40-44. 1952. 20 Ak1

7979 SCHLAWE, W. Wie kann die lebensdauer con einspritzpumpen und düsen verlängert werden? Deut. Agrartech. 2:222-223. July 1952. 58.8 D482

7980 TRAPPMANN, W. Ist bei der prüfung von spritz-, stäube-, sprüh- und nebelgeräten auch der biologische erfolg zu berücksichtigen? Nachrbl. des Deut. Pflanzenschutzdienstes 4:94-95. June 1952. 442.9 B832

7981 VICTOR, and GENTSCH. Neuzeitliche motorspritzen für wein- und obstbau. Tech. f. Bauern u. Gärt. Ausg. G 4:377-378,415-416. Aug.25-Sept.25,1952. 58.8 T223G

7982 WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON INSECTICIDES. Third report. World Health Organ. Tech. Rpt. Ser. 46,36 p. Aug.1952. 449.9 W892T
Spraying and dusting apparatus.

7983 ZIMMER, S. J. The mechanics of spraying. World Crops 4:335-337. Oct.1952. 281.8 W892

Vehicles

7984 ABELL, C. Will LP gas create a used tractor problem? Impl. & Tractor 67(19):68-69,148-149. Sept.13,1952. 58.8 W41

7985 ABRAMOVICH, A., and VALUISKOV, F. In regard to methods of planning the tractor park during the development of prospective plans of machine-tractor stations. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(8):16-24. Aug.1952. 281.8 So73

7986 ALEKSANDROV, G. ĬA. Èksploatatsiĭa traktora S-80 [Utilization of S-80 tractor]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1951. 159 p. 58 AL22

7987 ANTIPOV, V. Technology of regulating the fuel pumps of KD-35 and DT-54 tractors. (In Russian.) Mashinno-Traktornaĭa Sta. 12(9):26-27. Sept.1952. 58.8 M11

7988 BAGANZ, K. Auswertungsdiagramme zum normalfahrzustandsdiagramm (NFD) für ackerschlepper. Deut. Agrartech. 2:204-207. July 1952. 58.8 D482

7989 BARSEWISCH, E. VON. Schlepper in aller welt. Landtechnik 7:495-496. Aug.31,1952. 58.8 L235

7990 BAULINA, A. N. To conduct successfully the autumnal and winter repair of tractors. (In Russian.) Les i Step' 3(11):38-41. Nov.1951. 99.8 L565

7991 BODE, W. L. Farm tractor conversions. Diesel Prog. 18(11):58-59. Nov.1952. 291.8 D56
With Diesel engines.

7992 BUSCHMANN, W. Geräteträger in der praktischen erprobung. Traktor 3:180-181. Aug.1952. 58.8 T677

7993 CANDURA, G., and PAOLA, G. DI. The motor of the Ansaldo-Fossati AF/8. (In Italian.) Italia Agr. 89:117-124. Feb.1952. 16 It1
Tractor.

7994 CORRÊA, A. A. M. Practical recommendations to tractor drivers. (In Portuguese.) Chacaras e Quintais 86:257. Aug.15,1952. 9.2 C34

7995 CORRÊA, A. A. M. Tractor tires can be filled with water. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:253-255. July/Aug.1952. 9.2 R324

7996 CROCE, K. Schneeräumung mit ackerschleppern. Landtechnik 7:587-588. Oct.15,1952. 58.8 L235

7997 DEFREN, O. Neue anhängerbremse mit dem schlepperbremspedal. Landtechnik 7:589-590. Oct.15, 1952. 58.8 L235

7998 ELLIS, J. O. Farm truck, tractor and farm engine maintenance. So. Austral. Dept. Agr. J. 56:32-34. Aug.1952. 23 So84

7999 FERBERG, B. S. Experiment in assembly line method of technical servicing of tractors during field work. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 4:67-68. Apr.1952. 20 D742

8000 FICKLING, A. M. How to buy a tractor. Carolina Co-op. 30(11):9,22. Nov.1952. 72.8 N81

8001 FIRTH, W. M. Development of rubber tyres in agriculture. Power Farming Austral. & New Zeal 61 (8):9,11. Aug.1952. 58.8 P87
Chiefly tractors.

8002 FISCHER, A. Der luftreifen in der landwirtschaft. Landtechnik 7:501-504. Aug.31,1952. 58.8 L235

8003 GATES, G. R. G. Four-wheel drive tractors. Inst. Brit. Agr. Engin. J. 8(4):23-35. Apr.1952. 58.9 In7
Includes discussion.

8004 GEL'MAN, B. M. Traktory STZ-KHTZ i "universal" [STZ-KHTZ and Universal tractors]. Ed. 2, rev. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 431 p. (Uchebniki i Uchebnye Posobiĭa dlĭa Podgotovki Sel'skokhozĭaĭstvennykh Kadrov Massovoĭ Kvalifikatsii) 58 G284

8005 GERSHANOV, S. Extensive utilization of interchangeable units in tractor repair. (In Russian.) Mashinno-Traktornaĭa Sta. 12(9):4-5. Sept.1952. 58.8 M11

8006 GRAY, R. B. Oversea tractors and implements, a three-period review. Power Farming Austral. & New Zeal. 61(9):7,113,115,117. Sept.1952. 58.8 P87

8007 GRIBOV, E., and DEGTIAREV, V. On the causes for overexpenditure of Diesel oil in S-80 tractor engine. (In Russian.) Mashinno-Traktornaîa Sta. 12(9): 13-14. Sept.1952. 58.8 M11

8008 HUNT, J. E. Taking delivery of a farm tractor. Agr. Gaz. N. S. Wales 63:405-406,409. Aug.1952. 23 N472
Maintenance.

8009 IVANOV, A. KHTZ-7 [garden] tractor. (In Russian.) Kolkhoz. Proizvodstvo 12(6):51-52. June 1952. 281.8 K83

8010 KACHUROV, N. M. Utilization of truck-dumpers in sugar beet transportation. (In Russian.) Sakh. Promysh. 26(8):11-13. Aug.1952. 65.8 Sa2

8011 KAUPERT. Ratschläge zur schlepperpflege. Deut. Agrartech. 2:224. July 1952. 58.8 D482

8012 KERMANN, K. Transportmittel für die herbstarbeit. Landmasch.-Markt 31:495-497. Aug.21, 1952. 58.8 L239
Wagons.

8013 KOLOMIITSEV, P. Results of discussion concerning selection of type of tractor for irrigated cotton growing. (In Russian.) Khlopkovodstvo 6:42-53. June 1952. 72.8 K522

8014 KNOEFEL, J. Betriebswirtschaftliche ergebnisse aus 77 schleppergemeinschaften. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1611-1612. Oct.2, 1952. 18 L2346

8015 KRASNOV, V. S. Uzlovoĭ metod remonta traktorov- progressivnyĭ metod [Assembly line method of tractor repair—a progressive method]. Moskva, "Znanie," 1952. 21 p. 58 K863U

8016 LOZA, G. Experiment in utilizing electric tractors in agriculture. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(7):24-32. July 1952. 281.8 So73

8017 LAZAREV, A., and ROZET, I. Improving the construction of S-80 tractors. (In Russian.) Mashinno-Traktornaîa Sta. 12(9):9-13. Sept.1952. 58.8 M11

8018 LOZA, G. Experiment in operating electric tractors. (In Russian.) Kolkhoz. Proizvodstvo 12(6):44-46. June 1952. 281.8 K83

8019 LUCHINSKII, V. N. Method of measuring the power of wheeled tractors with mounted agricultural machines. (In Russian.) Sel'khozmashina 3:15-18. Mar. 1952. 58.8 Se42

8020 MASSEY, G. F. The tractor parade. Farm Impl. News 73:56-57,121-123. Oct.25,1952. 58.8 F22

8021 MEYER. Was verlangt der kleinlandwirt von der schlepperindustrie? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1289. Aug.21,1952. 18 L2346

8022 MIGNOTTE, F. Les tendances actuelles en matière de véhicules agraires. Agriculture [Paris] 16: 187-191. July/Aug.1952. 14 Ag823

8023 MILNE, G. N. M. Tyres and tubes, their design manufacture and care. (Extr.) Power Farming Austral. & New Zeal. 61(9):23,100-101,103. Sept.1952. 58.8 P87

8024 NESCI, G. A tractor, yes, but which one? (In Italian.) Macch. e Motori Agr. 10:787-792. Aug.1952. 58.8 M13

8025 ONISHCHENKO, S. E. We shall produce 720 hectares of mellow plowed soil per tractor. (In Russian.) Les i Step' 3(11):41-43. Nov.1951. 99.8 L565
Chiefly on tractor operation by brigades of the Chigirinskaîa Forest Conservation Station.

8026 PICKARD, G. E. Tractor valve life should be improved. Farm Impl. News 73(19):54-56,96-97. Oct.10,1952. 58.8 F22

8027 POZZI, E. The "Ferguson" tractor. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7:26-30. May/June 1952. 58.9 C33

8028 PREUSCHEN, G. Welche anbaupunkte am schlepper sollen genormt werden? Landtechnik 7:556-558. Sept.30,1952. 58.8 L235

8029 REYNOLDS, P. A. Buying a second-hand tractor. Grower [London] 38:600. Sept.27,1952. 286.83 M34
Great Britain.

8030 SCHÄFER, K. Verbesserte bremseinrichtungen. Traktor 3:190-191. Aug.1952. 58.8 T677

8031 SCHMIDT. Neue schlepper von 12 bis 60 PS. Tech. f. Bauern u. Gärt. Ausg. A 4:387-389. Sept.10,1952 58.8 T223

8032 SCHMIDT, G. Für den schwingrahmen. Landtechnik 7:492-495. Aug.31,1952. 58.8 L235

8033 SEIBOLD, H. Zwei normen sind tragbar. Landtechnik 7:583-586. Oct.15,1952. 58.8 L235

8034 SERSCHEN, K. Abänderung und ergänzung des Kraftfahrgesetzes. Bauer 4(35):14-15. Oct.20,1951. 19 B32
Austria; includes tractors.

8035 SERVICING Deere "R" starting engine. Impl. & Tractor 67(19):173-176. Sept.13,1952. 58.8 W41

8036 SHALAEV, I. Method of repairing fuel pumps of Diesel tractors. (In Russian.) Mashinno-Traktornaîa Sta. 12(9):21-22. Sept.1952. 58.8 M11

8037 SOUTHWELL, P. H. Tractor management. Farm Mech. 4:393-395. Oct.1952. 58.8 B772

8038 THAER, R. Für die dreipunktaufhängung. Landtechnik 7:520-523. Sept.15,1952. 58.8 L235

8039 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR EUROPE. INDUSTRY AND MATERIALS COMMITTEE. The European tractor industry in the setting of the world market. Geneva,1952. 152 p. (United Nations [Document] E/ECE/139, E/ECE/IM/57) 58 Un38

8040 VIVET, J. Les véhicules agraires. Génie Rur. 45:259-261. Sept.1952. 58.8 Au8

8041 WETZEL, G. F. Winter protection for the cooling system. Farm Impl. News 73(19):57,98-99. Oct.10,1952. 58.8 F22
Tractors and trucks.

8042 WIRT, F. A. Tractor development throughout the years. II. Canad. Farm Impl. 48(9):60. Sept.1952. 58.8 C163

8043 WIRT, F. A. Tractors down through the ages. Dairyland News 22(3):6-7. Sept.1952. 280.28 W752

FARM STRUCTURES AND RURAL HOUSING

8044 CERCLER, R. L'enquête sur les charges de la propriété bâtie agricole. Agr. Prat. 116:431-433. Sept. 1952. 14 J82
Building costs in France and incidence on the farm tenant.

8045 HECKL, R. Der gebäudebedarf typischer betriebsformen der landwirtschaft in Osterreich, der Schweiz und USA. Bodenkultur 6:121-151. Ref. 1952. 19 B635

8046 HIMBEECK, C. VAN. Les constructions rurales en Amerique. Rev. de l'Agr. 5:981-989. Sept. 1952. 13 R322

8047 NIKOLAEV, N. N. Problems of fur animal state farms in general construction in 1952. (In Russian.) Karakulevodstvo i Zverovodstvo 5(3):27-30. May/June 1952. 49 K14

8048 RENBORG, U. Farm building costs. (In Swedish.) Lantmannen 36:797. Oct.4,1952. 11 L234

8049 VIARD, R. Constructions rurales et batiments agricoles. II. Les batiments et installations agricoles de la ferme. Ed. 3. Paris,1951. 453 p. 296 V65

8050 ZHAROV, M. Rural housing construction in Velikie Luki Region. (In Russian.) Sel'sk. Stroitel' 7(2): 6-7. Mar./Apr.1952. 296.28 Se4

Animal Shelters and Animal Service Buildings

8051 ALBAUGH, R. Equipment for handling beef cattle. West. Livestock J. 30(48):39,80-82. Aug.15,1952. 6 F2278
Corrals and handling and feeding equipment.

8052 BATT, W. G. Elevated-bail system of milking incorporating tandem bail. New Zeal. J. Agr. 85:101-104. Aug.15,1952. 23 N48J
Milking barns.

8053 BERGMANN, H. Der bau von schuppenställen. (Sum.) Deut. Landwirt. 3:552-553. Oct.1952. 18 D4822
Cattle housing.

8054 BERGMANN, H. Zur frage der schweineställe und schweinehütten. Deut. Landwirt. 3:483-489. Ref. Sept.1952. 18 D4822

8055 BRUNNER, G. Sauenhaus für 16-18 zuchtsauen und abferkelstall. Deut. Landwirt.-Gesell. Mitt. 67:640. Sept.6,1952. 18 N39

8056 BUCHINGER, W. G. Heating the milkhouse with a milk cooler. Agr. Engin. 33:643. Oct.1952. 58.8 Ag83

8057 BUĬANOVA, V. Canalization of livestock raising buildings. (In Russian.) Sel'sk. Stroitel' 7(4):9-11. July/Aug.1952. 296.28 Se4

8058 BUĬANOVA, V., and SOLOV'EV, E. Repair of livestock buildings. (In Russian.) Mĭasnaĭa Indus. SSSR. 22(6):50-57. Nov./Dec.1951. 50.8 M58

8059 CARGILL, B., and FITZGERALD, J. W. Modern dairying means more milk, more profit, and more leisure. Ford Farming 5(4):12-13. Fall 1952. 58.8 F752
Dairy barn arrangement.

8060 DANILENKO, I. A. Summer camps for farm animals. (In Russian.) Sovet. Zootekh. 7(4):21-31. Apr. 1952. 49 So822

8061 DOWNING, C. G. E. An answer to damp stables; ventilation of the barn through use of electric fans. Family Herald & Wk. Star 83(36):20,29. Sept.4,1952. 7 F21

8062 ENOMOTO, M. Keisha no tatekata [How to build the hen-house]. Tokyo,Taibunkan,1951. 109 p. 47 En6

8063 GIESE, H., and BOND, T. E. Design of a plate-type heat exchanger. Agr. Engin. 33:617-622. Ref. Oct. 1952. 58.8 Ag83
For animal shelter ventilation.

8064 GONZALEZ, O. Conejera de tres divisiones. P. R. Agr. Col. Ext. Fol. IA-4,6 p. Apr.1951. 275.29 P96Fi

8065 GROTH, A. H., and ESMAY, M. L. Relation of farm dairy housing to animal health. Agr. Engin. 33:632-634. Oct.1952. 58.8 Ag83

8066 HARDING, C. Build climate into your barn and poultry house. Farm Builder, Nov./Dec.1952:18-21. 296.8 F222
Insulation.

8067 HOFMANN. Über den stand der freilufthaltung von schweinen und rindern in Thüringen. Deut. Landwirt. 3:547-552. Oct.1952. 18 D4822

8068 HUTCHINSON, J. Pig parlours for fattening. Farmers Wk. [London] 37(15):60-61. Oct.10,1952. 10 F2226

8069 KALDERON, M. Qualifications wanted from barn. (In Hebrew.) Hassadeh 32:454-456. July 1952. 26 H27

8070 KARASIK, M. Innovation in the construction of livestock raising state farms. (In Russian.) Mĭasnaĭa Indus. SSSR. 23(1):54-58. Jan./Feb.1952. 50.8 M58

8071 KIRSCH, W. Der kuhstall des Versuchsgutes Schaedtbeck. Milchwissenschaft 7:326-327. Oct.1952. 44.8 M5933
English summary.

8072 KLEIN, G. T. Massachusetts house OK for broilers or layers. Broiler Growing 3(10):12-13,60-61. Oct.1952. 47.8 B782

8073 KOLL, F. Der futtergang im zu engen stall. Österr. Landtech. 5:166-167. June 1952. 58.8 L236

8074 KOMAROV, N. M. Auto-mechanical disinfection of animal buildings. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:66-68. May 1952. 20 D742

8075 KULKE, E. Melkstände und ihre einrichtung. II. Hannoversche Land- u. Forstwirt. Ztg. 105:949-950. Sept.20,1952. 18 H194

8076 LAMBRECHT. Die bisherigen erfahrungen in der kaltstallhaltung für kühe, färsen und kälber. (Sum.) Deut. Landwirt. 3:553. Oct.1952. 18 D4822

8077 LAMPMAN, C. E. Ventilating to remove moisture. Pacific Poultryman 56(10):8,34-37. Oct.1952. 47.8 P112

8078 LAMPMAN, C. E. Ventilation in the laying house. Amer. Egg & Poultry Rev. 14(9):76,80,82-83. Sept.1952. 47.8 Am38

8079 LĬASOTSKAĬA, N. Ventilation of livestock buildings. (In Russian.) Sel'sk. Stroitel' 7(2):20-21. Mar./Apr.1952. 296.28 Se4

8080 MACHARDY, F. V., CHESHIRE, C. A., and DIXON, R. P. Dairy barns for Alberta. Alberta. Dept. Agr. Joint Ser. P. 7,45 p. June 1952. 7 AL12J

8081 MANGUS, H. D. Turkey buildings with a double use; Minnesota turkey growers develop combination brooder and range shelter. Amer. Poultry J. 83(10):16. Oct.1952. 47.8 Am32

8082 MELCHIOR, F. What width laying house? Pacific Poultryman 56(11):11,21. Nov.1952. 47.8 P112

8083 MOWERY, A. S. Poultry problems drop away with this self cleaning droppings pit. Elect. Farm Mag. 25(9):9-10. Nov.1952. 335.8 EL27

8084 PAIEMENT, J. Comment construire un poulailler moderne. Ferme 14:56-57,63. Sept.1952. 7 F38

8085 PETIT. La stabulation libre. Soc. Cent. d'Agr. de Belg. J. (n.s.)1(7),20 p. 1951/52. 13 So1
Of dairy cattle.

8086 PFLAUMBAUM, W. Arbeitserleichterungen im kuhstall; erfahrungen aus den vereinigten staaten. Deut. Landwirt.-Gesell. Mitt. 67:601-602. Aug.23,1952. 18 N39

8087 PLATT, C. S. Poultry house of future—shades and showers? N. J. Farm & Gard. 23(10):44. Oct.1952. 6 G162

8088 POBEDINSKĬĬ, G. Construction of livestock buildings with brick vaults. (In Russian.) Sel'sk. Stroitel' 7(1):5-6. Jan./Feb.1952. 296.28 Se4

8089 PONCHON, J. Pour resoudre le probleme de l'humus, la creation d'une etable moderne près d'Alger. Elevage et Cult. 4(44):10-11. Aug.1952. 24 EL2

8090 PRIPUKHOV, P. We shall fulfill on time the 1952 construction plan [of livestock buildings]. (In Russian.) Sel'sk. Stroitel' 7(1):14-15. Jan./Feb.1952. 296.28 Se4

8091 QUAIFE, E. L. Safe farrowing at low cost; here's a low-cost farrowing house designed to handle 16 sows and litters. Country Gent. 122(10):84. Oct.1952. 6 C833

8092 RAUSING, R. The Simontorp rubber cowshed. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:163-168. Oct.1952. 281.8 Am32

8093 ROSS, D. Better buildings needed for easier material handling on farms. Miss. Val. Lumberman 84 (5):8-9. Sept.19,1952. 99.81 M69

8094 SCHAFFER. Der frischluftstall. Württemb. Wchnbl. f. Landwirt. 119:880. Sept.27,1952. 18 W96

8095 SCHRODER, G. Frische luft tut not! Reich der Landfrau 31:250-251. Aug.2,1952. 18 L2347
Poultry housing.

8096 SEVERSON, H. Barn equipment. Farm Impl. News 73(19):46-47,91. Oct.10,1952. 58.8 F22

8097 SMITH, G. A. Cattle-working yards, a compact and effective lay-out. West. Austral. Dept. Agr. J. (ser.3)1:295-298. May/June 1952. 23 W52J

8098 SMITH, H. D. A survey of broiler houses and equipment. Md. Agr. Expt. Sta. Misc. P. 140,14 p. June 1952. 100 M36M

8099 SOLOV'EV, E. Construction of four-row livestock buildings. (In Russian.) Sel'sk. Stroitel' 7(1): 16-17. Jan./Feb.1952. 296.28 Se4

8100 SOLOV'EV, E. Construction of slanting roofs in livestock buildings. (In Russian.) Sel'sk. Stroitel' 7(2): 9-10. Mar./Apr.1952. 296.28 Se4

8101 VAN KIRK, S. M. Insulation—an aid to good ventilation. Broiler Growing 3(10):15,28-30. Oct.1952. 47.8 B782
Broiler houses.

8102 WITZEL, S. A., and DERBER, D. W. Engineering phases of dairy barn research, 1941-1951. Agr. Engin. 33:635-642. Ref. Oct.1952. 58.8 Ag83

Farmhouses and Farmsteads

8103 AGLIBUT, A. P., PORDESIMO, J. N. The rural housing conditions of one hundred families in Masarawag, Guinobatan, Albay. Philippine Agr. 35:147-157. Ref. Aug.1951. 25 P542

8104 BOYD, L. L., and BATES, D. W. A second home for your farm. Hoard's Dairyman 97:881. Nov. 10,1952. 44.8 H65
Farmhouse designs.

8105 CARTER, D. G., and HINCHCLIFF, K. A hub for the farmstead. Capper's Farmer 63(10):19,57. Oct. 1952. 6 M693
A six-room home for the farm family.

8106 FUNK, E. Kitchen planning and arrangement. Okla. Agr. Col. Ext. C. 438,16 p. n.d. 275.29 Ok41C

8107 GONZÁLEZ, O. Tormentera. P. R. Agr. Col. Ext. Fol. IA-9,6 p. Apr.1952. 275.29 P96Fi

8108 HINRICHS, H. S. Bright future for pumped heat; refrigeration equipment may hold the answer to greater comfort and better farming methods. Elect. Farm Mag. 25(9):12-18. Nov.1952. 335.8 EL27
Home air conditioning.

8109 KOLL, F. Planvolles wohnhausaufstocken. Bauer 5(6):4-6. Feb.9,1952. 19 B32
Designs for Austria.

8110 KULKE, E. Gibt es noch ein ländliches bauen? Übersicht 3(9):34-40. Sept.1952. 18 Ub3
Farmhouse designs for Germnay.

8111 LOPER, R. M. A plan for perfect country living. Country Gent. 122(10):104-105,115. Oct.1952. 6 C833
Farmhouse design.

8112 RUDEL, E. Das wohnhaus des bauern. Landwirtschaft 17/18:270-271. (Cont.) Sept.1952. 19 L235
Austria.

8113 TINDALL, C. Would you like a better house? Mo. Rur. 93(18):4-5. Sept.27,1952. 6 R8891

Greenhouses and Plant Service Buildings

8114 BEATTIE, W. R. Hotbeds and coldframes. U. S. D. A. Farmers' B. 1743,slightly rev.,28 p. Aug. 1952. 1 Ag84F

8115 BENZIN, V. M. Arctic cold frames for northern climates. Fairbanks,Alaska,1952. 5 p. 91.12 B44Ar

8116 BENZIN, V. M. Arctic garden solar reflectors and radiators for northern climates. Fairbanks, Alaska, 1952. 7 p. 91.12 B44A

8117 BUCHHOLZ, W. Gartenblankglas. Pflanze u. Gart. 2(8):14-15. Aug.1952. 80 P48

8118 CHABOT, E. Home greenhouse. Flower Grower 39(11):38-39. Nov.1952. 80 M72

8119 ESIEV, KH. A. Method for electric heating of hotbeds. (In Russian.) Sad i Ogorod 9:52-54. Sept. 1952. 80 Sa13

8120 EVSEV'EV, K. M. Hotbeds with central water heating. (In Russian.) Sad i Ogorod 9:55-58. Sept.1952. 80 Sa13

8121 HUBER, E. Elektrische beheizung von frühbeetkästen. Tech. f. Bauern u. Gärt. Ausg. G 4:369-371. Aug.25,1952. 58.8 T223G

8122 MARSHALL, R. Electricity and the early tomato crop in the North-West. Tomato & Cucumber Mktg. Bd. J. 1(8):6-8. Oct.1952. 280.3919 T591
Soil heating in greenhouses.

8123 MARX, M. Grenzen der mechanisierung des gartenbaues. Deut. Agrartech. 2:199-201. July 1952. 58.8 D482

8124 MORRIS, A. E. Fuel efficiency in glasshouses. Tomato & Cucumber Mktg. Bd. J. 1(4):25-31. June 1952. 280.3919 T591

8125 NIELSEN, V. Heat insulation of greenhouses. (In Danish.) Gart.-Tid. 68:334-335. Sept.15,1952. 80 G192

8126 RENARD, W. Zur technik des gewächshausbaus. Tech. f. Bauern u. Gärt. Ausg. G 4:417-420. (Cont.) Sept.25,1952. 58.8 T223G

8127 TROSHINA, N. P. Regulating construction of hotbeds and greenhouses on collective farms. (In Russian.) Sad i Ogorod 9:45-48. Sept.1952. 80 Sa13

Materials and Methods

8128 BOGODUKHOV, P. We're carrying out our construction with local [building] materials. (In Russian.) Sel'sk. Stroitel' 7(4):4-5. July/Aug.1952. 296.28 Se4

8129 FERREYRA, L. G. El suelo-cemento -en las construcciones rurales. Chacra 22(262):60. Sept.1952. 9 C34

8130 KELLY, J. T. Building concrete troughs with prefabricated moulds. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:212-218. Aug.1952. 23 T182T

8131 KHALEEV, V. Experiment in manufacturing building materials on collective farms in Pavlov Raion. (In Russian.) Sel'sk. Stroitel' 7(1):4-5. Jan./Feb.1952. 296.28 Se4

8132 MIDDLETON, G. F. Earth wall construction: choice of soil & methods of construction. Power Farming Austral. & New Zeal. 61(9):9,11,97,99. Sept.1952. 58.8 P87

8133 U. S. BUR. OF RECLAMATION. Earth manual; a manual on the use of earth materials for foundation and construction purposes. A reclamation manual specialist supplement. Tentative ed. with revisions. Denver,1952. 332 p. 156.85 Ea72

Storage Structures

8134 HAAG, A. Grundsätzliches über kartoffelscheunen. Landwirt. Wchnbl. 142:1058-1059,1090-1091. Sept.20-27,1952. 18 L2338

8135 LAURSEN, E. Protection of ensilage silos against acids. (In Danish.) Dansk Landbr. 71:464-466. Sept.25,1952. 280.28 V91

8136 PLANNING on building a potato storage? Here are some worthwhile structural details to incorporate in your storage construction. Guide Post 30(8): 24,26,28,30-31. Aug.1952. 75.8 G94

8137 RUZAKOV, V., and CHERNÍAKOV, L. Method of building semi-tower silos in Siberia. (In Russian.) Sel'sk. Stroitel' 7(4):8-9. July/Aug.1952. 296.28 Se4

8138 SCRIVEN, W. A., and POOLE, C. M. Potato growing. 7. Storage. Farm Mech. 4:347-348. Sept.1952. 58.8 B772

8139 SUNDBY, J. Building silo for potato silage. (In Norwegian.) Norsk Landbr. 18:361-364. Oct.10,1952. 11 N8122

8140 THOMAS, J. New and improved carrot shed. Fruit & Veg. Rev. 14(8):14-15. Nov.1952. 80 C1224

8141 U. S. COMMODITY CREDIT CORPORATION. USDA grain storage structure specifications. Washington, 1952. 4 p. 1.957 Un32

8142 WILLIAMS, A. C. Grain stores made to measure. Farm Mech. 4:405-407. Oct.1952. 58.8 B772

Walls and Fences

8143 BENFORD, H. Make your fences permanent. Prog. Farmer, Tex. Ed. 67(11):64,72. Nov.1952. 6 T311

8144 KIRKPATRICK, C. M. Predator-proofing poultry. Outdoor Ind. 19(9):4-5. Sept.1952. 279.8 Ou82
Fencing.

8145 MALLETT, J. A. Farm fencing hints. 1. Strainer posts and fence patterns. West. Austral. Dept. Agr. J. (ser.3)1:315,317-319,321-323,325. (Cont.) May/June 1952. 23 W52J

8146 MALLETT, J. A. Farm fencing hints. 2. Boring the posts. West. Austral. Dept. Agr. J. (ser.3). 425-431. July/Aug.1952. 23 W52J

8147 MEYER, E. E. Electrified fences. Farming So. Africa 27:351-354. July 1952. 24 So842

FARM UTILITIES

Electricity and Electrification

8148 DEGRAFF, H. The farmer and his problems. Edison Elect. Inst. B. 20:183-184,205. June 1952. 335.8 Ed4
Includes use of electricity on the farm.

8149 FISCHER-SCHLEMM, W. E. Die verbesserung der stromversorgung auf dem lande. Landwirt. Z. der Nord-Rheinprov. 119:901. Aug.23,1952. 18 L2344

8150 FLIKKE, A. M. Standby electric generators. Turkey World 27(11):17,68-72. Nov.1952. 47.38 T84

8151 GALLAGHER, H. J. Michigan power suppliers youth programs. Farm Electrif. 6(5):8-9,12. Sept./Oct. 1952. 335.8 F224

8152 GRIFFITHS, G. Rural electrification in British Columbia. Engin. J. 35:945-950. Sept.1952. 290.9 En3

8153 LISTOV, P. The great projects of communism [hydroelectric stations] and electrification of agriculture. (In Russian.) Kolkhoz. Proizvodstvo 12(6):3-5. June 1952. 281.8 K83

8154 MARTY, H. Points d'appuis dans la diffusion de l'électricité. Génie Rur. 45:262-266. Sept.1952. 58.8 Au8

8155 MATŠKEVICH, S. Rol' êlektrifikafšii v razvitii material'no-tekhnicheskoĭ bazy sel'skogo-khozĭaĭstva SSSR [Role of electrification in the development of the material-technical base of U.S.S.R. agriculture]. Moskva,Gos. Izd-vo Polit Lit-ry,1952. 207 p. 335 M422

8156 QUEBEC. ELECTRIFICATION BUR. Annual report for the year ending December 31, 1951. Quebec, 1952. 4 p. 335.9 Q33

8157 RIMBACH, F. L. Current makes juicy birds; turkey growers rely on electric equipment from egg to exit. Elect. Farm Mag. 25(9):5-6. Nov.1952. 335.8 EL27

8158 SILVER, A. E. Pioneering and development of electrical service to the farm. Edison Elect. Inst. B. 20:403-405,407. Nov.1952. 335.8 Ed4

8159 SMILEY, T. B. A cooperative teachers training program. Farm Electrif. 6(5):10-12. Sept./Oct.1952. 335.8 F224
Electrical training.

8160 STEBAKOV, I. Experiment in utilizing an inter-collective hydroelectric station. (In Russian.) Kolkhoz. Proizvodstvo 12(8):41-43. Aug.1952. 281.8 K83

Heating, Lighting, and Radiation

8161 U. S. OFF. OF PRICE STABILIZATION. Cooperating to beat inflation. Washington,1952. 4 p. 173.3 P93C
Rural electric cooperative.

8162 U. S. RURAL ELECTRIFICATION ADMIN. REA specifications for guy strain insulators. U. S. Rur. Electrif. Admin. REA Specif. D-12,1 p. Apr.1951. 1.933 Sp37

8163 U. S. RURAL ELECTRIFICATION ADMIN. REA specifications for service wireholders. U. S. Rur. Electrif. Admin. REA Specif. D-15,2 p. Nov.1951. 1.933 Sp37

8164 U. S. RURAL ELECTRIFICATION ADMIN. REA standard for radio influence voltage limits for 14.4/24.9 kv insulators and apparatus. U. S. Rur. Electrif. Admin. REA Specif. D-11,1 p. Apr.1951. 1.933 Sp37

8165 U. S. RURAL ELECTRIFICATION ADMIN. What electric farming can do for your rural electric co-op; figure for yourself. Preliminary. Washington, 1952. 15 p. 1.933 W555

8166 WASHINGTON FARM ELECTRIFICATION COMMITTEE. Farm electrication for rural youth, Division III. Pullman?n.d. 39 p. 335 W27
Institute of Agricultural Sciences and Washington State College, School of Education cooperating.

8167 WASHINGTON FARM ELECTRIFICATION COMMITTEE. Farm electrification for rural youth, Division V. Pullman?n.d. 47 p. 335 W27
Institute of Agricultural Sciences and Washington State College, School of Education cooperating.

8168 WHITHED, M. O. Oh, it's just a farm. Farm Electrif. 6(5):5. Sept./Oct.1952. 335.8 F224
Electric wiring.

8169 WICKARD, C. R. Background and objectives of new REA organization. Washington,U. S. Rur. Electrif. Admin.,1952. 4 p. 1.9 A2W63
Address at NRECA Regional Meeting at Madison, Sept. 11,1952, at Lincoln, Sept. 15, 1952, and at Bedford, Pa., Sept. 22, 1952.

8170 ADOLPH, R. H. Lighting layers on wire. Pacific Poultryman 56(10):9,46-48. Oct.1952. 47.8 P112

8171 DUCELLIER, G. Etat de la question du gaz de fumier et de ses possibilités d'avenir. Elevage et Cult. 4(44):14-15. Aug.1952. 24 EL2
Algeria.

8172 EVANS, F. Firing boilers with waste sump oil. Farm Impl. & Mach. Rev. 78:976-977. Oct.1,1952. 58.8 Im72

8173 FEDELE, F. Fuel for all the farm from manure. (In Italian.) Agricoltura 1(8):26-28. Aug.1952. 16 Ag8226
Manure gas manufacture.

8174 HEARLE, W. L. Electrical aids in pig rearing. Farmer & Stock-Breeder 66(3285):64. Oct.7/8,1952. 10 F228
Warm floors and infrared lamps.

8175 KALASHNIKOV, M. An efficient type of oven for the swine houses. (In Russian.) Sel'sk. Stroitel' 7(4): 17-18. July/Aug.1952. 296.28 Se4

8176 RAIMO, H. F. Heat for chicks from infra-red lamps. (In Portuguese.) Rev. dos Criadores 23(7):16-18. July 1952. 43.8 R32

8177 SMIRNOV, V. I. Teplovye ustanovki dlîa zhivotnovodcheskikh ferm [Heat equipment for livestock farms]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 125 p. 291 Sm4

8178 STAUSS, W. Neue probleme der humus- und energiewirtschaft. Deut. Landwirt.-Gesell. Mitt. 67:671-672. Sept.20,1952. 18 N39
Farm manufacture of a gas from straw for heating and other uses.

8179 ZAĬTSEVSKIĬ, I. G. Underground flue heating of brooders. (In Russian.) Ptitsevodstvo 3:27-28. Mar. 1952. 47.8 P95

Power Plants, Motors and Engines on the Farm

8180 BHATIA, K. L. Energy available for wind mills in India. J. Sci. & Indus. Res. 11A:329-333. Aug. 1952. 475 J82

8181 BRICKWOOD, H. Ways with winter non-starters. Power Farmer 9:150-151. Oct.1952. 58.8 P872

8182 KARMISHIN, A. V. Vetrodvigateli dlîa mekhanizatsii zhivotnovodcheskikh ferm [Windmills for mechanization of livestock farms]. Moskva,Gos. Nauch. -Tekhn. Izd-vo Mashinostroitel'noĭ Lit-ry,1952. 212 p. 291 K14

8183 RAUSHENBERGER, E. J. The application of internal combustion generating units in the rural electrification program. Washington, U. S. Rur. Electrif. Admin., 1952. 7 p. 1.933 R19
Presented at the Oil & Gas Power Conference, Buffalo, June 26, 1952 of the American Society of Mechanical Engineers.
Use of the internal combustion engine.

8184 WADMAN, R. W., ed. Diesel engine catalog. Volume 17, 1952. Los Angeles,1952. 409 p. 291 D562

8185 WILHELMSON, R., and MOLLER, T. Elmotorer pa lantgarden. Electric motors on the farm. Jordbrtek. Inst. Meddel. 242,57 p. 1952. 58.9 J762

Sewage and Waste Disposal

8186 CLEGHORNE, J. W. Septic tank for the farm home. Farming So. Africa 27:358-362,370. July 1952. 24 So842

Telephones

8187 BEHM, F. E. Repairing and rebuilding rural telephone plant. V. Telephony 143(16):20-21. Oct.18, 1952. 335.8 T23

8188 MANN, D. How Healy [Kansas] solved this problem. II. Kans. Farmer 89(19):4,34-35. Oct.4,1952. 6 K13
Rural telephone service in Kansas.

8189 MANN, D. How is your phone service? Kans. Farmer 89(18):4,35. Sept.20,1952. 6 K13
Rural service in Kansas.

8190 U. S. RURAL ELECTRIFICATION ADMIN. REA specifications for fused type telephone station protectors. U. S. Rur. Electrif. Admin. REA Specif. PE-11,6 p. Jan.1952. 1.933 Sp38

Water Supply

8191 CLEGG, L. F. L., and CUTHBERT, W. A. A small-scale chlorinator for farm use. Soc. Appl. Bact. Proc. 14:200-204. Oct.1951,pub.Oct.1952. 448.39 So12
For water contaminated with Bacterium coli.

8192 DAKER, A. Data necessary for the selection and installation of a hydraulic ram for the lifting of water on farms. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(3):17-28. Mar.1952. 9.2 M663

8193 ERMOLENKO, V. Construction for supplying water to livestock raising farms. (In Russian.) Sel'sk. Stroitel' 7(4):19-20. July/Aug.1952. 296.28 Se4

8194 GERMANÀ, G. How the Sicilian areas are solving the problem of water in the country. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(88):1-2. Oct.18, 1952. 281.8 Ag3

8195 GONZALEZ, O. Deposito de agua para el hogar. P. R. Agr. Col. Ext. Fol. IA-6,2 p. May 1951. 275.29 P96Fi

8196 MOORE, R. R. Always fresh from the well. Mo. Rur. 93(19):8,24. Oct.11,1952. 6 R8891
Automatic electric stock waterer.

8197 PETERSON, D. F., JR., ISRAELSEN, O. W., and HANSEN, V. E. Hydraulics of wells. Utah. Agr. Expt. Sta. B. 351,48 p. Mar.1952. 100 Ut1

8198 PETIT, C., and LANCKER, VAN. L'approvisionnement en eau a la ferme. Sillon Belge 22(528):1,8. (Cont.) Oct.4,1952. 13 Si3

8199 THOMAS, B. F., JENKINS, E., and THOMAS, S. B. A note on the thermoduric bacterial content of farm water supplies. Soc. Appl. Bact. Proc. 14:205-207. Oct.1951,pub.Oct.1952. 448.39 So12

8200 THOMAS, S. B., THOMAS, B. F., and FRANKLIN, P. M. The bacteriology of farm water supplies: a study of the colony count in 48 hours at 37°. Soc. Appl. Bact. Proc. 14:121-130. Ref. Oct.1951,pub.Oct.1952. 448.39 So12

8201 UL'ÎANKIN, I. Hydraulic ram. (In Russian.) Kolkhoz. Proizvodstvo 12(9):45-46. Sept.1952. 281.8 K83

8202 WALKER, C. Water systems need air; it provides the push that makes water flow. Elect. Farm Mag. 25(9):7-8. Nov.1952. 335.8 EL27

8203 WALKER, D. E. The main sources of farm water supply. Power Farmer 9:135-137. Oct.1952. 58.8 P872

8204 WILBAUX, R. Dosage des matières organiques dans les eaux. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:751-756. Sept.1952. 24 K83

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

8205 BOYD ORR, LORD J. Hunger and politics. Land 11:201-203. Summer 1952. 279.8 L22

8206 BOYD ORR, LORD J. We can feed a hungry world. Co-op Grain Q. 10(3):65-70. Sept.1952. 280.28 C7898

8207 CAIN, R. M. Navy food service standards and training. U. S. Armed Forces Med. J. 3:1545-1549. Oct.1952. 159 Un3

8208 CARDEW, J. Rumania's crops. World Crops 4:380-382. Nov.1952. 281.8 W892

8209 CLURMAN, M. Will births outstrip resources? Land 11:203-206. Summer 1952. 279.8 L22

8210 CROMPTON, J. Need to increase food production concerns all. Adelaide Chamber Com. Trade Digest 3(4):10-11. Aug.1952. 287 Ad3T
Australia.

8211 EASTWOOD, C. G. British Colonies and food supplies. Austral. Sugar J. 44:381. Aug.15,1952. 65.8 Au7

8212 FOX, K. Adequate reserves of storable farm commodities. Cargill Crop B. 27(16):24-26. Oct.23,1952. 281.8 C19

8213 HÄKANSSON, H. Great Britain's food supplies. (In Swedish.) Jordbrekon. Meddel. 14:353-361. Sept.1952. 257.3 J76
English summary, p.352.

8214 HICKS, SIR C. S. "To be or not to be"; the moral basis of the world food shortage. Rur. Life, July 1952:8-9. (Cont.) 281.28 R884

8215 HOFFMANN, E. Grundriss der ernährungswirtschaft. Stuttgart,Ulmer,1952. 176 p. 389 H672

8216 HUNDLEY, J. M. Types of food for disaster feeding. Food Technol. 6:399-402. Oct.1952. 389.8 F7398

8217 ILLNER, O. Plan alimenticio mundial. Rev. Ganad. [Habana] 12(9):53,64. Sept.1952. 49 R321
Of the F.A.O.

8218 THE LOAD on the land; a symposium. Land 11:199-220. Summer 1952. 279.8 L22

8219 MEYENBURG, K. VON. Übersicht über die wissenschaftlichen höhepunkte des problems der menschheitsernährung seit der jahrhundertwende. Bionomica 3:62-63. Aug.1952. 463.8 B52

8220 MULDER, T. The organization of the food-supply in the Netherlands. (In Dutch.) Voeding 13:347-353. Sept.15,1952. 389.8 V85
English summary.
Government policy.

8221 PADDOCK, W. C. Can we make the earth feed us all? Sat. Evening Post 225(16):44-45,117,119-120,122. Oct.18,1952. 110 Sa8

8222 REINAU, E. H. Nahrungsschöpfung in China, Japan und Korea seit 4000 jahren. Bionomica 3:63. Aug.1952. 463.8 B52

8223 ROBINSON, R. A. After the Ministry of Food—what? Brit. Food J. 54:91-92. Oct.1952. 389.8 B77

8224 ROBINSON. R. F. Food production by fungi. Sci. Mon. 75:149-154. Ref. Sept.1952. 470 Sci23
World food supply and synthesis of food by fungi.

8225 ROSSITER, F. J. Food and the world tension. (Sum.) Town & Country Church 81:3-4. Sept.1952. 281.28 T66

8226 URIE, A., and HULSE, J. H. The science, raw materials and hygiene of baking. London,MacDonald & Evans,1952. 458 p. 389 Ur3

8227 WAKEFIELD, N. J. This is a hungry world. I. Austral. Junior Farmer 4(6):5-8. July/Aug.1952. 23 Au782

8228 WILLIAMS, L. O. Beans, maize and civilization. Ceiba 3:77-85. Oct.1,1952. 475 C32
Balance of population and food supply.

8229 YOUNG, G. Food shortage underlies all our problems. Agr. Gaz. N. S. Wales 63:393-396,404. (Cont.) Aug.1952. 23 N472

ANALYSIS AND COMPOSITION

8230 AMO, C. G. DEL, VILLAR PALASI, V., and SANTOS RUIZ, A. Estudio sobre bioquímica de protidos. VI-VII. Soc. Espan. de Fis. y Quim. An. Ser. B, Quím. 48:597-610. July/Aug.1952. 385 So16
English summary.

8231 BRANDON, A. L. Report on copper in foods. Assoc. Off. Agr. Chem. J. 35:542-543. Aug.15,1952. 381 As7

8232 COOK, J. W. Report on enzymes; (tests for urea with urease). Assoc. Off. Agr. Chem. J. 35:544--551. Aug.15,1952. 381 As7

8233 CRESPO, S. Standard methods vs. pre-asher apparatus in the pre-ashing of highly foaming and sugar containing products. Food Technol. 6:394-395. Oct. 1952. 389.8 F7398

8234 DÉNES, A. Beiträge zur bestimmung des magneziums mit titangelb in lebensmitteln. (In Hungarian.) Magyar Kém. Folyóirat 58:240-243. Ref. Aug.1952. 385 M272

8235 DEVEY, J. D. Paper chromatography in the food industry. Food Mfr. 27:416-417. Ref. Oct.1952. 389.8 F736

8236 FREDIANI, H. A., OWEN, J. T., and BAIRD, J. H. Application of an automatic Karl Fischer titrator to moisture determinations in food products. Amer. Assoc. Cereal Chem. Trans. 10:176-180. Oct.1952. 59.9 Am3T

8237 FULLER, C. H. F. Starch. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:743-747. Ref. 1951. 382 M31R

8238 GUILLAUME, A., and MEHL, A. Sur une étude comparative des méthodes de titrage des esters de l'acide paraoxybenzoique: applications à la recherche de ces produits dans les matières alimentaires. Ann. des Falsif. et des Fraudes 45:272-276. (Concl.) Ref. July/Aug.1952. 389.8 An72

8239 HANNAN, R. S., and LEA, C. H. Studies of the reaction between proteins and reducing sugars in the "dry" state. VI. The reactivity of the terminal amino groups of lysine in model systems. Biochim. et Biophys. Acta 9:293-305. Ref. Sept.1952. 381 B522

8240 HOPKINS, R. H. Stärke und die amylasen. (Sum.) Brauwelt 40:965. Oct.2,1952. 390.8 B732

8241 INGRAM, M. The effect of cold on micro-organisms in relation to food. Soc. Appl. Bact. Proc. 14: 243-260. Ref. Oct.1951,pub.Oct.1952. 448.39 So12

8242 IRION, W., and MOLDRICKX, P. Serienbestimmung von carotin in pflanzenprodukten und pflanzlichen futtermitteln. Landwirt. Forsch. 4:153-156. 1952. 18 L2333

8243 IRION, W., and MOLDRICKX, P. Serienbestimmung von carotin in pflanzenprodukten und pflanzlichen futtermitteln. Landwirt. Forsch. 3:209-211. 1952. 18 L2333

8244 KIERMEIER, F. Lebensmittel als ionenaustauscher. II. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:85-89. Aug.1952. 384 Z39

8245 KLEIN, A. K. Report on mercury. Assoc. Off. Agr. Chem. J. 35:537-542. Aug.15,1952. 381 As7
In food.

8246 KNAPP, A. Streiflichter aus der lebensmittelchemie. Zucker- u. Süsswaren-Wirt. 5:631-632. (Cont.) Aug.20,1952. 286.86 Z8

8247 LÜDTKE, M. Bemerkungen zur bestimmung von zuckern und zuckerartigen stoffen in wässerigen pflanzenauszügen nach der hypojoditmethode. Z. f. Analyt. Chem. 136:415-420. Ref. 1952. 384 Z3

8248 MCCOMB, E. A., and MCCREADY, R. M. Colorimetric determination of pectic substances. Analyt. Chem. 24:1630-1632. Oct.1952. 381 J825A
In agricultural products.

8249 MCDONALD, E. J. Report on reducing sugar methods of analysis. Assoc. Off. Agr. Chem. J. 35:648-650. Aug.15,1952. 381 As7

8250 MASON, A. C. The determination of small amounts of calcium in plant material. Analyst 77:529-533. Oct.1952. 382 An1

8251 MAYORGA PERALTA, R. Determinación de aminoácidos en productos vegetales por medio de la cromatografía de partición al papel. Esc. de Farm. 14 (173/174):1-16. Ref. May/June 1952. 396.8 Es1

8252 MORRIS, R. J., MACPHEE, R. D., and RANDALL, E. L. Ultraviolet spectrophotometry in detection of food product substitutes. Analyt. Chem. 24:1396-1399. Ref. Sept.1952. 381 J825A

8253 NAIR, J. H. Chemistry in the food industry. J. Chem. Educ. 29:576-580. Nov.1952. 381 J826

8254 O'CONNOR, R. T., and HEINZELMAN, D. C. Application of line-width method of spectrogram evaluation to spectrochemical analysis of plant products. Analyt. Chem. 24:1667-1669. Ref. Oct.1952. 381 J825A

8255 PFEILSTICKER, K. Einige anwendungen der spektralanalyse in der lebensmittelchemie. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:24-31. July 1952. 384 Z39

8256 PURR, A. Photometric determination of esterase in animal or plant tissues and in microorganisms. Amer. Oil Chem. Soc. J. 29:409-412. Oct.1952. 307.8 J82

8257 STERN, J. A., HERLIN, M. A., and PROCTOR, B. E. An electronic method for continuous determination of rapid temperature changes in thermal death-time studies. Food Res. 17:460-465. Ref. Sept./Oct.1952. 389.8 F7322

8258 SWEENEY, J. P. Report on a chemical method for nicotinic acid. Assoc. Off. Agr. Chem. J. 35: 721-722. Aug.15,1952. 381 As7

8259 TURIN. UNIVERSITA. CENTRO STUDI AMINOACIDI: Instability of certain protides in the molecule of certain proteids. (In Italian.) Mondo del Latte 8:487-488. Aug.1952. 44.8 M74
English summary.

8260 WEIL, L., BUCHERT, A. R., and MAHER, J. Photooxidation of crystalline lysozyme in the presence of methylene blue and its relation to enzymatic activity. Arch. Biochem. & Biophys. 40:245-252. Ref. Oct.1952. 381 Ar2

8261 WICHMANN, H. J. Report on metals, other elements, and residues in foods. Assoc. Off. Agr. Chem. J. 35:530-537. Aug.15,1952. 381 As7

8262 WOLF, J. Untersuchungen zur methodik der bestimmung von äpfelsäure nach Pucher und mitarbeiter. Z. f. Analyt. Chem. 136:401-411. Ref. 1952. 384 Z3

8263 YUEN, S. H., and POLLARD, A. G. The determination of nitrogen in agricultural materials by the Nessler reagent. I. J. Sci. Food & Agr. 3:441-447. Ref. Oct.1952. 382 So12

8264 ZERWICK, K. 125 jahre Institut für Pharmazie und Lebensmittelchemie München im spiegel der mitarbeiter- und schülerzahlen. Deut. Apoth.-Ztg. 92: 715-720. Sept.19,1952. 396.8 Su2

CONSUMPTION AND UTILIZATION

8265 ACENA, B. Plant utilization work. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p. 259-263. Manila,Graphic House,1952. 37 P533

8266 DAWSON, B. Food consumption; changing pattern in the United Kingdom. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:110-112. July 1952. 281.9 Au73

8267 MILWAUKEE JOURNAL, and others. 1951 consolidated consumer analysis information. Milwaukee, 1951. 151 p. 280.329 M64
Includes food products.

8268 MURPHY, T. M. Variations in purchases charted by economic areas; Cleveland survey shows breakdown of frozen food buying by income areas. Quick Frozen Foods 15(3):49-50. Oct.1952. 389.8 Q4

8269 SCHMUCKER, H. Die ernährung in arbeitnehmerhaushaltungen in Bayern 1950/51. Bayern in Zahlen 6:321-324. Aug./Sept.1952. 265 B34

8270 TABB, C. B. The place of agricultural residues in paper making today. Chem. & Indus. 40:960-964. Oct.4,1952. 382 M31C

DISTRIBUTION, MARKETING, AND TRANSPORTATION

8271 ALBERTA WHEAT POOL. The farm viewpoint of the Crow's Nest freight agreement, by L. D. Nesbitt. Calgary,1952. 16 p. 289.22 AL12

8272 BEVAN, L. A. Marketing and extension; the need for education in marketing problems and techniques challenges the Agricultural Extension Service. Fed. Reserve Bank Boston. New Eng. Farm Finance News 7(8): 3-4. Aug.1952. 284.28 N44

8273 BRIDWELL, R. W. Do we need the speculator? U. S. A. 2(5):72-79. Nov.1952. 134.8 Un3
Agricultural products.

8274 CANADA. DEPT. OF AGRICULTURE. MARKETING SERV. ECONOMICS DIV. Co-operation in Canada 1951, twentieth annual summary. Ottawa,1952. 19 p. 280.29 C7827

8275 CAVINA, R. Comercialização dos produtos agropecuários [Marketing of agricultural products]. Rio de Janeiro,Ministério da Agricultura, Serviço de Informação Agrícola,1951. 85 p. (S.I.A. 776) 280.3 C31

8276 CLEMENTS, F. E. Psycho-physical methods in market research. Fla. State Hort. Soc. Proc. 64:148-153. 1951,pub.1952. 81 F66

8277 CONFERENCE ON R.M.A. CONTRACTS, 1952. Proceedings. Washington,1952. 7 p. 280.39 C764

8278 DOMINICK, B. A., JR. Methods of research in marketing. N. Y. (Cornell) Agr. Expt. Sta. Methods Res. Mktg. Paper 2,68 p. June 1952. 280.39 N4834

8279 FISCHER, K. H. Die verkehrswirtschaft im landbau. Wolfratshausen,Neureuter,1952. 163 p. 281.175 F52V
In relation to farm management.

8280 GERDENER, T. A new harbor for our East Coast? May be of great importance for agriculture in Natal and East Transvaal. (In Afrikaans.) Landbouweekblad 34(1729):22-24. Sept.3,1952. 24 L232

8281 GONDELLES, R. Consideraciones generales sobre los trabajos de conservación y ornato vial. Agro [Maracay] 7(21):51-53. June/Aug.1952. 9.95 Ag83
Venezuela.

8282 GT. BRIT. OFF. OF THE HIGH COMMISSIONER FOR SOUTHERN RHODESIA. The African in Southern Rhodesia. 4. Marketing. London,1952. 16 p. 277.8 Af8

8283 HANAU, A., and SCHLANGE, E. S. Die landwirtschaftliche marktforschung in Westdeutschland seit 1945. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 39,46 p. 1952. 18 G312S

8284 HENDERSON, P. L. Methods of research in marketing. N. Y: (Cornell) Agr. Expt. Sta. Methods Res. Mktg. Paper 3,86 p. July 1952. 280.39 N4834

8285 LACY, M. G. Pay dirt. Ext. Serv. Rev. 23: 157,164. Sept.1952. 1 Ex892Ex
Extension Retailer Education Clinic held at Purdue University.

8286 LUCK, D. J., and WALES, H. G. Marketing research. New York,Prentice-Hall,1952. 532 p. Ref. 280.3 L962

8287 MCCALLISTER, K. J., POATS, F. J., and JONES, M. W. Retail market news as an aid in marketing; a study of opportunities for making further use of retail market news as an aid in the marketing of food products. U. S. D. A. Mktg. Res. Rpt. 19,92 p. May 1952. 1 Ag84Mr

8288 MARTIN, C. R. The commodity exchange and the consumer Feedstuffs 24(42):36-38,40,42,44. Oct.18,1952. 286.31 F322

8289 MARTIN, C. R. The commodity exchange and the consumer. Nowest. Miller 248(15):26,30,46,50-51. Oct.7,1952. 298.8 N81

8290 MAYNARD, H. H., and BECKMAN, T. N. Principles of marketing. Ed. 5, rev. by T. N. Beckman, with the assistance of W. R. Davidson. New York, Ronald,1952. 792 p. Ref. 280.3 M45P
Contains chapter on agricultural products and cooperatives.

8291 NEW ZEALAND. MARKETING DEPT. Report and statement of accounts for the twelve months ended 31 August 1951. Wellington,1952. 47 p. 280.39 N487

8292 PHILLIPS, C. F., and DUNCAN, D. J. Marketing: principles and methods. Rev. ed. Chicago,Irwin, 1952. 728 p. 280.3 P542Mp

8293 PLATE. Entwicklung des innerdeutschen, besonders des agrarmarktes. (Extr.) Landwirtbl. Weser-Ems 99:1005. Oct.2,1952. 18 L2345

8294 PMA—ITS four programs. Carolina Co-op. 30(11):10-11,24. Nov.1952. 72.8 N81

8295 PUERTO RICO. DEPT. DE AGRICULTURA Y COMERCIO. NEGOCIADO DE ECONOMÍA AGRÍCOLA. DIV. DE INFORMACIÓN DE MERCADOS. Informe de ventas de productos del país, mercado de Santurce, año fiscal 1950-51. n.p.,1951. 56 p. 8 P832R

8296 RHODES, N. Pro's and con's. For Sale, Want & Exch. B. 6(11):1,4. Oct.1,1952. 280.38 F74
Marketing.

8297 SCHLOTE. Mehr beachtung den absatzfrag. Deut. Landwirt.-Gesell. Mitt. 67:589-591,665,675-676. Aug.16,Sept.20,1952. 18 N39

8298 VICTORIA. COUNTRY ROADS BOARD. Thirty-eighth annual report for year ended 30th June, 1951. Melbourne,1952. 49 p. 288.9 V66

8299 VIRONE, L. E. The marketing of agricultural products in the United States and in Europe. (In Italian.) Mondo Econ. 7(42):10. Oct.18,1952. 280.8 M742

8300 WAGNER, F. Verordnungen, anordnungen und verkehrsbestimmungen für lebensmittel. Zucker- u. Süsswaren-Wirt. 5:597-598. (Cont.) Aug.5,1952. 286.86 Z8
Germany.

8301 WEISS, E. Marktbeobachtung und marktberichterstattung im BBV. Landwirt. Wchnbl. 142:1017-1018. Sept.13,1952. 18 L2338
Germany.

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

8302 AMOS, A. I. Probleme bei der verwendung von chemikalien in lebensmitteln, mehl und brot verbessernde, sowie mehl bleichende mittel. Wiss. Müllerei 9:95-96. (Concl.) In Müllerei 5(38). Sept.20,1952. 298.8 M91

8303 BENET, J. E. Los mercados de abasto y el veterinario. Lérida Ganad. (ser.3)128:130. June 1951. 41.8 L56
Inspection of agricultural products.

8304 BRINSFIELD, C. S. Federal and State cooperation in food control problems. Assoc. Food & Drug Off. U. S. Q. B. 16:153-157. Oct.1952. 389.9 As7Q
Maryland.

8305 COPEMAN, P. R. V. D. R. The work of the chemist under the Food, Drugs and Disinfectant Act. So. African Indus. Chem. 6:106-108. June 1952. 385 So8

8306 COPPOCK, J. B. M. Food legislation. I. Nutrition 6(3):25-29. Autumn 1952. 389.8 N959
Great Britain.

8307 COYNE, F. P. Insecticides in public health: repercussions on food production. Chem. & Indus. 40: 965-968. Ref. Oct.4,1952. 382 M31C

8308 CRAWFORD, C. W. Some current problems facing food and drug officials. Food Drug Cosmetic Law J. 7:599-608. Sept.1952. 389.58 F732

8309 DECKER, G. C. The chemicals residue problem in foods. Calif. Fruit News 126(3352):4,10-11. Oct.4,1952. 80 C12

8310 DECKER, G. C. Meeting the residue problem. Canning Trade 75(10):7-8,18. Sept.22,1952. 286.83 T67
Chiefly insecticidal residues in food.

8311 DUNBAR, P. B. Are chemicals poisoning our food? Today's Health 30(10):39-41,64-65. Oct.1952. 449.8 H993

8312 FINCKE, H. Die dauerbackwaren und die zukünftige lebensmittelfärbungs-verordnung. Brot u. Gebäck 6:120-123. Aug.1952. 298.8 G33
Germany.

8313 FRITZ, J. H. 1951 flood disaster activities of the Food Section. Assoc. Food & Drug Off. U. S. Q B. 16:146-153. Oct.1952. 389.9 As7Q
Handling of spoiled food by the Kansas City, Missouri Health Department.

8314 GIRAUD, G., and LATOUR, H. Relation clinique d'ensemble de l'intoxication alimentaire collective de Pont-Saint-Esprit (août 1951). 1-2. Acad. Natl. de Méd. B. (ser.3)136:422-436,465-476. July 1952. 448.9 P21
Title varies.

8315 GT. BRIT. GOVERNMENT CHEMIST. Report upon the work for the year ending 31st March, 1951. London,1951. 28 p. 382 G79
Includes food inspections and analyses.

8316 HENRY, A. M. Foods and chemicals. Fla. State Hort. Soc. Proc. 64:167-170. 1951,pub.1952. 81 F66
Regulation and inspection.

8317 HINTON, C. L. The new Swedish food law. (Sum.) Food [London] 21:387-389. Oct.1952. 389.8 F738

8318 KETZ, A. Zur frage der postmortalen infektion von lebensmitteln durch ratten mit fleischvergiftungserregern. Berlin. u. Münch. Tierärztl. Wchnschr. 65:195-196. Ref. Sept.1952. 41.8 B45

8319 LEHMAN, A. J. Chemicals in foods: a report to the Association of Food and Drug Officials on current developments. II. Pesticides. V. Pathology. Assoc. Food & Drug Off. U. S. Q. B. 16:126-132. Ref. Oct.1952. 389.9 As7Q

8320 METROPOLITAN BOROUGH OF FINSBURY. Annual report on the public health of Finsbury for the year 1951. London,1952. 46 p. 449.75 F49
Includes food sanitation.

8321 NATIONAL CANNERS ASSOCIATION. Modern labels for canned foods; a manual to assist canners in the use of clear, concise, standardized terms for describing accurately their product to the consumer. Washington,1951. 315 p. 389.3 N215M

8322 OSER, B. I. Food needs and food laws. Chem. & Engin. News 30:4827-4829. Nov.17,1952. 381 J825N

8323 PATTERSON, W. I. Report on decomposition and filth in foods (chemical indices). Assoc. Off. Agr. Chem. J. 35:511-513. Aug.15,1952. 381 As7

8324 STEPHENS, M. R. The educational approach in an [food and drug laws] enforcement program. Food Drug Cosmetic Law J. 7:573-578. Sept.1952. 389.58 F732

8325 SWIFT, S. Food & drugs administration; supplement. London,Butterworth,1951. 252 p. 389.55 Sw5

8326 THORNTON, H. The inspection of food; a handbook for students of public health, agriculture and meat technology. London,Baillière,Tindall,1952. 223 p. 389.4 T39I

8327 TOLLENAAR, F. D., MOSSEL, D. A. A., and GENDEREN, H. VAN. Non-nutrient chemicals in food. Chem. & Indus. 38:923-924. Ref. Sept.20,1952. 382 M31C

8328 WILLIAMS, R. R. Standards of identity for foods. Food Drug Cosmetic Law J. 7:565-572. Sept. 1952. 389.58 F732

8329 WRIGHT, E., and ALFEND, S. Lessons from the Kansas flood. Assoc. Food & Drug Off. U. S. Q. B. 16:132-145. Oct.1952. 389.9 As7Q
Damage and handling of damaged food.

PACKING AND PACKAGING

8330 DOBBINS, C. E., and HOECKER, R. W. How to reduce rewrapping costs. Pre-Pack-Age 6:24-29. Sept. 1952. 280.38 P91
Food.

8331 FOSTER, C. E. Quality control in the manufacture of paper food containers. Paper Mill News 75 (42):116,137-138. Oct.18,1952. 302.8 P195

8332 NEWELL, G. Small packages give increased food protection. Food Canada 12(9):46-50. Sept.1952. 389.8 F7323

8333 PACKAGING potentials of frozen foods. Packaging Parade 20(235):116-121. Aug.1952. 309.8 P123
Compiled from data made available by G. Bremer of the U. S. Department of Commerce.

PRICES, PRICE CONTROL, AND RATIONING

8334 BABA, K. Agricultural outlook work—a tool of price stabilization program. (In Japanese.) Nogyo Sogo Kenkyu 6(3):45-112. July 1952. 22.5 N687

8335 BRETIGNIÈRE. Réflexions sur la baisse. Terre d'Oc 34:290-292. Aug.1952. 14 Ar5

8336 CANADA. AGRICULTURAL PRICES SUPPORT BOARD. Annual report to the Minister of Agriculture for the year 1951-52. n.p.,1952. 9 p. 284.39 C169

8337 CANADA. BUR. OF STATISTICS. The consumer price index, January 1949—August 1952. Ottawa, 1952. 33 p. 284.49 C16
Includes food prices.

8338 DENEFFE, and KELLER. Zur berechnung eines index der einzelhandelspreise. Wirt. u. Statls. 4: 363-369. Sept.1952. 265 St22
Includes food prices in Germany.

8339 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ÉCONOMIQUES. Comparaison des prix français et étrangers. France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture. Écon. Franç. 7:321-394. July/Aug.1952. 280.8 F84
Includes food.

8340 GERL, F. Um die preisparität! Bauern-Ztg. 5(39):4,11. Sept.26,1952. 18 B324
United States.

8341 HOLSTRÖM, S. Agricultural price policy in Sweden. Stockholm,1951. 23 p. 281.173 H73

8342 JESNESS, O. B. Are price supports the answer? Bankers Mon. 69(9):43,46,48,50,71-72. Sept. 1952. 284.8 B223

8343 MCGURK, J. L., and HARTFORD, J. Retail food prices; seasonal variation and cost per serving of individual foods, average 1948-1951—New York City. N. Y. Agr. Col. A. E. 840,68 p. Sept.1952. 281.9 C81

8344 MÜLLER, G. Preisgefüge, preispolitik und einnahmenstruktur in der französischen landwirtschaft. Agrarwirtschaft 1:251-254. Sept.1952. 281.8 Ag826

8345 NETHERLANDS. EMBASSY, WASHINGTON. BUR. LANDBOUWZAKEN. Price trends in the United States. (In Dutch.) Landbouwwereldnieuws 7:605-606. Sept.20,1952. 12 L237

8346 NORTON, L. J. Government controls and food production. Food Technol. 6:380-382. Oct.1952. 389.8 F7398
Price control and allocation regulations.

8347 OUR PRICE support program. Nation's Agr. 27(9):8-11. Oct.1952. 280.82 B89

8348 PAARLBERG, D. The key to economic freedom. Prices serve three functions: they tell us what to produce, they guide commodities through the channels of trade, and they tell the consumer what and how much to consume. Shorthorn World 37(12):9-10,92-95. Sept.10, 1952. 43.8 Sh8

8349 SCHULZ, T. The cost of inexpensive nutrition before and after the war. Oxford. U. Inst. Statis. B. 14:231-244. July 1952. 280.9 Ox2B

8350 SHEPPERD, G. S. Agricultural price and income policy. Ed. 3. Ames,Iowa State Col. Press,1952. 288 p. 284.3 Sh4A

8351 STACY, W. H. Farm price policy in Germany. Farm Policy Forum 6,i.e.5(10):24-26. Oct.1952. 281.8 F2274

8352 THATCHER, M. W. Farmers are entitled to parity prices. G T A Digest 12(9):5,7-8. Sept.1952. 280.28 G11

8353 THOMSEN, F. L., and FOOTE, R. J. Agricultural prices. Ed. 2. New York,McGraw-Hill,1952. 509 p. 284.3 T38

8354 U. S. BUR. OF LABOR STATISTICS, Retail prices of food, 1950, including historical tables of item indexes, 1939-50. U. S. Bur. Labor Statis. B. 1055,37 p. 158.6 B87

8355 WHEELER, L. A. Price stabilisation by international agreement. Rev. Internatl. Coop. 45:179-181. Aug./Sept.1952. 280.28 In8B

8356 WHITTEN, J. L. America deserves our attention first. Natl. Provisioner 127(16):207-209. Oct.18,1952. 286.85 N21
Includes discussion of price controls and soil depletion.

8357 WILLIS, P. S. Willis reports favorable trend in food prices. Calif. Grocers Advocate 57(39):12,18. Sept.26,1952. 286.28 C12

8358 ZULUETA, M. M. DE. Números indices de precios agrícolas del año 1951. Spain. Inst. Nac. de Invest. Agron. B. 12:233-248. June 1952. 105.6 Sp14

PROCESSING AND STORAGE

8359 AMERICAN SOCIETY OF REFRIGERATING ENGINEERS. Refrigerating data book; applications volume. Ed. 4. New York,1952. various paging. 295.9 Am32Ref
Contains papers on food refrigeration and freezing.

8360 AYLWARD, F. Lecithin in food processing. IV. Food Mfr. 27:395-397,411. Ref. Oct.1952. 389.8 F736

8361 BÄCKSTRÖM, M. Kylteknikern [The refrigeration technician]. Ed. 2, rev. & enl. Stockholm,Nordisk Rotogravyr,1951. 768 p. Ref. 295 B12K

8362 BATE-SMITH, E. C., and MORRIS, T. N., eds. Food science; a symposium on quality and preservation of foods. Cambridge,U. Press,1952. 319 p. 389 B31

8363 BENEZET, L. Synthetic aromatics for foods. I. Amer. Perfumer & Essential Oil Rev. 60:267-270. Oct.1952. 308.8 Am3

8364 BONNEAU, A. La congélation, invention du 20ième siècle. Ferme 14:22-23. Sept.1952. 7 F38

8365 BRITTAIN, J. H. The corrosion of tinplate by acid food products; a literature survey. n.p.,1951. 33 p. (Metal Box Co. Ltd. Research Division. Technical Communication 11) 388 B773

8366 BURRILL, E. A., and GALE, A. J. Electron beams sterilize food and drugs. Electronics 25(11):98-101. Nov.1952. 335.8 EL28

8367 DALTON, W. The cold storage industry in America. Natl. Fed. Cold Storage & Ice Trades. Ybk. 1951/52:11-13. 1952. 295.9 N217
Refrigerated warehouses.

8368 DELAUNOIS, A. L. Ultrasonic vibrations in the food industry. (In Dutch.) Fermentatio 4:113-115. 1952. 390.8 F38

8369 DUNKERLEY, S. W. Problems incidental to quick freezing. Refrig. J. 6:35-38. July 1952. 295.8 R255

8370 FRANCO-BETANCOURT, J. J. El "Institute of Food Technologists." Agrotecnica 7:21-24. July/Aug. 1952. 8 Ag825

8371 GLABAU, C. A. How bakery products react to low temperature freezing. II. Bakers Wk. 155(12):36-39. Sept.22,1952. 389.8 B172

8372 GRIFFITHS, E., ed. Refrigeration principles and practice. London,Newnes,1951. 579 p. 295 G87
Includes food freezing and cold storage.

8373 HAYS, W. W. The future of food emulsifiers. Canad. Food Indus. 23(10):18-20. Oct.1952. 286.83 C166

8374 HERBERT, D. A. Laboratory control in the food cannery. So. African Indus. Chem. 6:53-56. May 1952. 385 So8

8375 HERRICK, J. H. Loading-out economies. Mktg. Activ. 15(8):6. Aug.1952. 1.942 A8M34
Costs of handling fresh produce from warehouse storage to loading onto delivery trucks.

8376 INTERNATIONALER Kongress der Gärungsindustrien in Knokke-le Zout vom 15. bis 20. september 1952; kurzreferate der vorträge. II. Brauwelt 40:964-965. (Cont.) Oct.2,1952. 390.8 B732

8377 KAY, H. D. Food processing. (Sum.) Chem. & Indus. 39:946-947. Sept.27,1952. 382 M31C

8378 KIDD, F. The work of the food investigation organization, D. S. I. R. Mod. Refrig. 55:339-340. Oct.1952. 295.8 M72
Processing.

8379 KNAPP, A. Streiflichter aus der lebensmittelchemie. Zucker- u. Süsswaren-Wirt. 5:591-592. (Cont.) Aug.5,1952. 286.86 Z8

8380 MASON, J. M. Just what is patentable? Food Engin. 24(11):76-78. Nov.1952. 389.8 F737
In the food industry.

8381 MILLER, I. C. Vacuum cooling saves costly process time. Food Engin. 24(10):104-111. Oct.1952. 389.8 F737
Food.

8382 MORRIS, T. N. Frozen foods. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:824-825. Ref. 1951. 382 M31R

8383 MORRIS, T. N. Preservatives and other substances added to foods. Soc. Chem. Indus. Rpt. Prog. Appl. Chem, 36:825-827. Ref. 1951. 382 M31R

8384 MORRIS, T. N. Quick-frozen foods. Natl. Fed. Cold Storage & Ice Trades. Ybk. 1951/52:23-26. 1952. 295.9 N217

8385 MULDER, F. The profitable use of air currents in agriculture. (In Dutch.) Landbode 6(37):12. Sept.18,1952. 12 L234
Storage and drying.

8386 MURRAY, T. K., and BAKER, B. E. Studies on protein hydrolysis. I. J. Sci. Food & Agr. 3:470-475. Ref. Oct.1952. 382 So12

8387 NATIONAL CANNERS ASSOCIATION. The history of canning. Calif. Fruit News 126(3353):4,9-11. (Cont.) Oct.11,1952. 80 C12

8388 NATIONAL CANNERS ASSOCIATION. The history of canning. Calif. Fruit News 126(3356):5,10-11. (Concl.) Nov.1,1952. 80 C12

8389 NATIONAL FEDERATION OF COLD STORAGE & ICE TRADES. Year book, 1951/52. London,1952. 120 p. 295.9 N217

8390 NORD, M. Principles of freeze-drying. Food Mfr. 27:452-457. Nov.1,1952. 389.8 F736

8391 OGATA, M. A simple preservative method of the foods. (In Japanese.) Kyushu Noji Shikinjo 8:10. Oct.1951. 107.6 K996

8392 OLSEN, B. F., and SCOTT, E. H. Canning in glass jars in community canning centers. U. S. D. A. Agr. Handb. 44,29 p. July 1952. 1 Ag84Ah
Supplements U. S. Miscellaneous Publication 544.

8393 PENN, F. E. Construction innovations provide zero-storage economies. Food Engin. 24(10):100-103,180-181. Oct.1952. 389.8 F737

8394 RATZESBERGER, L., JR. Speaking of foods: handle those materials with care. Canner 115(14):18-20. Oct.4,1952. 286.83 C16

8395 SAITO, K. Hakko seirigaku [Fermentation physiology]. Rev. ed. Tokyo,Maruzen Shuppan,1951. 247 p. 390 Sa23

8396 SLADE, F. H. Pumps for food handling. 1. Food [London] 21:337-340. Sept.1952. 389.8 F738 389.8 F738

8397 SLADE, F. H. Pumps for food handling. 2. Food [London] 21:377-381. Oct.1952. 389.8 F738

8398 STOECKHERT, K. Kunststoffe im nahrungsmittelgewerbe und im haushalt. (Sum.) Chem.-Ingen.-Tech. 24:513-514. Sept.1952. 384 C428

8399 SULLIVAN, D. J. Frozen foods. N. J. Dept. Health. Pub. Health News 33:246-248. Sept.1952. 449.7 N46P
Freezing and bacteria.

8400 SUMMER, W. Electronic preservation of foods. Food [London] 21:324-328. Sept.1952. 389.8 F738

8401 THOMSON, A. G. Bactericidal uses of ultra-violet radiation. Food [London] 21:385-386. Oct.1952. 389.8 F738
In the food industry.

8402 U. S. BUR. OF AGRICULTURAL ECONOMICS. Reserve levels for storable farm products; a study of factors relating to the determination of reserve levels for storable farm products. 82d Cong., 2d sess., S. Doc. 130,55 p. 1952. 1 Ec7Rs

8403 U. S. BUR. OF LABOR STATISTICS. Productivity trends in the canning and preserving industries, 1939 to 1950, by G. F. Vogel. Washington,1952. 9 p. 158.61 P945

8404 U. S. PRODUCTION AND MARKETING ADMIN. Summary of State and regional cold storage holdings for 1950. Washington,1951. 42 p. 1.956 M34Su62

8405 WARDLAW, W. The advancing front of chemistry. Chem. & Indus. 36:864-868. Sept.6,1952. 382 M31C
Includes chemicals in food.

8406 WILLIAMS, E. W. Frozen foods in Europe. 1. England. Quick Frozen Foods 15(2):43-48,131. Sept. 1952. 389.8 Q4

8407 WILLIAMS, E. W. Frozen foods in Europe. 2. Quick Frozen Foods 15(3):43-46,122,124. Oct.1952. 389.8 Q4

STATISTICS

8408 AGNELL-RADHE, A. L. The harvest estimates for 1952. (In Swedish.) Jordbrekon. Meddel. 14:319-324. Aug.1952. 257.3 J76
English summary, p. 308.

8409 ARANGO, R. La producción agrícola en los últimos años. Rev. de Agr. [Habana] 35:26-35. Nov.1951/June 1952. 8 Ag88Re
Cuban statistics.

8410 ARKANSAS. AGRICULTURAL EXPERIMENT STATION. 1951 agricultural statistics for Arkansas. Ark. Agr. Expt. Sta. Rpt. Ser. 35,48 p. Aug.1952. 100 Ar42R
U. S. Bureau of Agricultural Economics cooperating.

8411 AUSTRIA. STATISTISCHES ZENTRALAMT. Ergebnisse der landwirtschaftlichen statistik im jahre 1951. Austria. Statis. Zentamt. Beitr. z. Osterr. Statis. 8,129 p. 1952. 266 St22

8412 BEAN, L. H. Crop yields are rising rapidly. Feed Bag 28(10):64. Oct.1952. 389.78 F32

8413 BEAN, L. H. The 20-year rise in crop yields. N. C. Dept. Agr. Agr. Rev. 27(18):2. Sept.15,1952. 2 N81Ag

8414 EGYPT. MINISTÈRE DES FINANCES ET DE L'ÉCONOMIE. DEPT. DE LA STATISTIQUE ET DU RECENSEMENT. Annuaire statistique 1947-1948 et 1948-1949. Caire,1952. 934 p. 270 Eg93St
Includes agricultural statistics.

8415 FOGGIA, ITALY. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. La capitanata in cifre (anni 1950 e 1951) [the capitanate in figures (1950 and 1951)]. Leone,Foggia,1951. 20 p. 261 F68
Includes agricultural statistics.

8416 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. Annuaire statistique, cinquante-huitième volume, 1951. Paris,1952. 545 p. 260 An7
Includes agricultural statistics.

8417 GERMANY. FEDERAL REPUBLIC, 1949- MINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Agrarstatistische arbeitsunterlagen über bodenbenutzung, ernten, viehbestände, milcherzeugung, wirtschaftsjahr 1951/52. Bonn,1952. 114 p. 265 G319

8418 GERMANY. (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Bodenbenutzung und ernte 1948/49. Germany. Statis. Bundesamt. Statis. der Bundesrepub. Deut. 28,134 p. Sept.1951. 265 G318

8419 GERMANY. (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Pflanzenbestände in baumschulen; erhebung vom september 1950. Germany. Statis. Bundesamt. Statis. der Bundesrepub. Deut. 30, 34 p. Mar.1951. 265 G318

8420 GT. BRIT. CENTRAL OFF. OF INFORMATION. Britain, an official handbook. 1st, 1952. New York, Brit. Inform. Serv.,1952. 295 p. Ref. 280.9 G7934
Includes agriculture and trade.

8421 HINE, W. G. Australian agriculture: some post-war trends in crop acreages. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:105-108. July 1952. 281.9 Au73

8422 INDIAN COUNCIL OF AGRICULTURAL RESEARCH. Sample surveys for the estimation of yield of food crops. Indian Council Agr. Res. B.72,58 p. 1951. 22 In293B

8423 ISTITUTO CENTRALE DI STATISTICA. Compendio statistico italiano 1952 [Italian statistical compendium 1952]. Roma,1952. 306 p. 261 Is7C
Contains agricultural statistics.

8424 JAPAN. OFF. OF THE PRIME MINISTER. BUR. OF STATISTICS. Japan statistical yearbook 1951. n.p.,1952. 454 p. 269.7 An7
Includes agricultural statistics.

8425 MARTENS, A. Chaque année, l'étendue cultivée diminue. Sillon Belge 22(522):1,9. Aug.23,1952. 13 Si3

8426 MOZAMBIQUE. REPARTIÇÃO TÉCNICA DE ESTATÍSTICA. Estatística agrícola [Agricultural statistics] 1945. Lourenço Marques,1952. 470 p. 270 M874E

8427 NEW ZEALAND. CENSUS AND STATISTICS DEPT. The New Zealand official year-book, 1951-52; fifty-seventh issue. Wellington,1952. 1120 p. 271.2 R26N
Includes agricultural statistics.

8428 ORLANDO, G. Notes on the method of computation of gross saleable farm output in Italy. Rome, Istituto Nazionale di Economia Agraria,1951. 29 p. 261 Or1

8429 PANSE, V. G. Trends in areas and yields of principal crops in India, India. Dir. Econ. & Statis. Agr. Situation India 7:144-148. June 1952. 281.9 In23

8430 PERSSON, C. J. The farmers produce 38 percent more than before. (In Swedish.) Lantmannen 36:727-728. Sept.13,1952. 11 L234

8431 QUEBEC. BUR. OF STATISTICS. Quebec, 1951: a report. Quebec,1952. 43 p. 253.8 St2Q
Includes farm statistics.

8432 ROSENFELD, F., and ARBELÁEZ-MANRIQUE, A. The 1950 world census of agriculture. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 1(4) 8-10. Aug.1952. 251 F73Mb

8433 SARDINIA. ASSESSORATO DELL'INDUSTRIA E DEL COMMERCIO. Compendio statistico della regione sarda [Statistical compendium of the region of Sardinia]. Cagliari,1951. 208 p. 261 Sa7
Includes agriculture.

8434 SOUTH AUSTRALIA. GOVERNMENT STATIST. The statesman's pocket year book of South Australia, 1952. Adelaide,1952. 164 p. 271.4 St2S
Includes agricultural statistics.

8435 STANFORD RESEARCH INSTITUTE. DEPT. OF INDUSTRIAL ECONOMICS. Western resources handbook. Stanford, Calif.,1952. loose-leaf. 252.003 St2
Contains agricultural statistics.

8436 THIEL. Die entwicklung der bodenerträge im Bundesgebiet. Ausbild. u. Beratung in der Landwirt. 5: 94-95. 1952. 18 N11
Germany.

8437 U. S. BUR. OF RECLAMATION. 1951 crop summary and related data Federal Reclamation Projects. Washington,1952. various pagings. 156.84 D26
Statistics.

8438 U. S. BUR. OF THE CENSUS. United States census of agriculture, 1950, v. 1, pt. 2, 4-6, 11, 18, 21-22, 25, 32-33. Washington,1952. 11 v. 157.41 C332
Counties and State economic areas; data for Middle Atlantic States, Indiana, Illinois, Michigan, North and South Dakota, Florida, Alabama, Mississippi, Oklahoma, California, and Washington and Oregon.

8439 U. S. RURAL ELECTRIFICATION ADMIN. Basic agricultural statistics for Georgia. Washington? 1952. 5 p. 1.933 B294

8440 VICTORIAN year-book 1948-49, sixty-ninth issue. Melbourne,1951. 656 p. 271.6 St2V
Includes agricultural statistics.

8441 WASHINGTON (STATE) UNIVERSITY. BUR. OF BUSINESS RESEARCH. Washington State statistical abstract, by M. D. Robinson. Seattle,U. Wash. Press, 1952. 159 p. 252.91 Un3
Includes farm statistics.

8442 WEST BENGAL. STATE STATISTICAL BUR. Statistical abstract, West Bengal, 1949. Alipore,1952. 403 p. 269.52 W52
Includes agricultural statistics.

8443 WIRTH, H. Die ersten ergebnisse der bodenbenutzungserhebung 1952 in Württemburg-Baden. Statis. Monatsh. Württemb.-Baden 6:212-213. July 1952. 265 St24
Crop acreages.

8444 WIRTH, H. Die neue ernte in Württemberg-Baden. Statis. Monatsh. Württemb-Baden 6:201-202. July 1952. 265 St24
Statistics.

8445 WÜRTTEMBERG. STATISTISCHES LANDESAMT. Landwirtschaftliche betriebszählung vom 22. mai 1949 nebst schleppererhebung 1950 in Württemberg-Baden. Beitr. z. Statis. von Württemb.-Baden 14,218 p. May 1951. 265 B39

8446 ZETTERBERG, O. The inventory of acreage on the 3rd June 1952. (In Swedish.) Jordbrekon. Meddel. 14:315-318. Aug.1952. 257.3 J76
English summary, p. 308.

BEVERAGES AND CONDIMENTS

8447 ABBAYES, H. DES. La vigne en Bretagne. II. Observations complémentaires sur les plants, cultivés à Rennes et sur les vins qu'ils ont fournis en 1950. Soc.. Sci. de Bretagne B. (Sci. Math. Phys. et Nat.) 25:81-84. 1950,pub.May20,1952. 505 R292

8448 ADAMEC, E. Die technologie des sekt-tankgärverfahrens. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:183-187. Sept.1952. 105.9 K696
English summary.
Champagne manufacture.

8449 AGABAL'IANTS, G. G., MNDZHOIAN, E. L., and PETROSIAN, TS. L. Determination of peroxide number in wine. (In Russian.) Vinodel. i Vinograd. SSSR. 2:11-14. Feb.1952. 95.8 V77

8450 ANGELO, G. G. DELL'. The situation of the wine industry in 1951. (In Italian.) Riv. di Econ. Agr. 7: 281-288. June 1952. 281.8 R52
English summary.
Italy.

8451 ARAY, C. A. La situación del cacao en la provincia de Manabí. Consorcio de Cent. Agr. de Manabí. Rev. 70:45-50. Apr./June 1952. 9.5 M31

8452 ARRARAS, E. G. Intercambiadores iónicos en la separación de cafeina de la yerba mate. La Plata, U. Nac. Facul. de Cien. Quím. Rev. 24:53-61. Ref. 1949, pub.1952. 385 L31

8453 ARZUMANOV, A. G. Further economizing with raw material and improving the quality of Soviet champagne. (In Russian.) Vinodel. i Vinograd. SSSR. 2:48-50. Feb.1952. 95.8 V77

8454 BARTON, L. V., and GOENAGA, A. An electrical moisture meter for the determination of moisture in coffee beans. Boyce Thompson Inst. Contrib. 16:461-468. July/Sept.1952. 451 B69

8455 BECK, H. Wines in Portuguese East Africa. Wine & Spirit 21(9):9. Sept.1952. 390.8 W725

8456 BELOGUROV, D. M. Improving the quality of wine from hybrids—direct producers. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):54-55. Nov.1951. 95.8 V77

8457 BELOGUROV, D. M. Wine industry in the Ismail Region is in need of a strong technical foundation. (In Russian.) Vinodel. i Vinograd. SSSR. 2:61-62. Feb. 1952. 95.8 V77

8458 BENESCH, C. Offene oder geschlossene gärung? Bauer 4(35):10-11. Oct.20,1951. 19 B32
Wine.

8459 BERG, V. A., and SHMOILOVA, O. S. Wines of Kazakh SSR. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):18-21. Nov.1951. 95.8 V77

8460 BERIDZE, G. I. Natural semi-sweet wines of Georgia [U.S.S.R.]. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):11-18. Nov.1951. 95.8 V77

8461 BERTRAN, J. Limpieza de cubas y toneles. Cult. Mod. 35:288. Aug.1952. 15 C89
Wine containers.

8462 BEVERIDGE, E. A. Perpetual hedging. Coffee & Tea Indus. 75(10):17,22-23. Oct.1952. 389.8 Sp4
Coffee futures.

8463 BIDAN, R. Pour l'armagnac. Terre d'Oc 34:296-298. Aug.1952. 14 Ar5

8464 BLANCO, A. Elaboración práctica del vino tinto. Vinos, Viñas y Frutas 46:513-514. June 1952. 9 Ag89

8465 BOCK, E. Die wirtschaftliche seite des elsässischen weinbaues. Bas-Rhin Agr. 7:455. Sept.27, 1952. 14 B29

8466 BORNMANN, J. H. Report on lecithin in cacao products. Assoc. Off. Agr. Chem. J. 35:656-659. Aug.15,1952. 381 As7

8467 BOWMAN, G. F. The future of cacao. Inter-Amer. Tech. Cacao Comt. Proc. 4:19-21. June 1952. 68.39 In8

8468 BRAILOW, A. New York—Finger Lakes Region champagne. (Abs.) Wines & Vines 33(10):13. Oct.1952. 95.8 C122

8469 BRANAS, J. Algunos aspectos de la organización de la producción vinícola francesa. Vinos, Viñas y Frutas 46(562):21-23,25. July 1952. 9 Ag89

8470 BRANAS, J. Encépagement de la production commerciale française. Prog. Agr. et Vitic. 138:192-196. (Cont.) Oct.5/12,1952. 14 P94

8471 BRELICH, L. Making sound wines. (In Italian.) Spezia Agr. 7(9):4. Sept.1,1952. 16 Sp3

8472 BROWN, G. H. Coffee brand loyalty. Coffee & Tea Indus. 75(10):10-11,13,34. Oct.1952. 389.8 Sp4

8473 BURDZHANADZE, V. F. To increase the norms of production in initial wine making. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):50-52. Nov.1951. 95.8 V77

8474 CADDOW, H. A. Make wine hospitality a California tradition. California 42(9):11,28-29. Sept. 1952. 280.8 C12

8475 CANDIDA, F. Grapes and wine: complete cycle. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(86):8-9. Oct.11,1952. 281.8 Ag3

8476 CASA PACHECO, MARQUES DE. El palpitante problema viti-vinícola. Cult. Mod. 35:284-285. Aug. 1952. 15 C89
Spain.

8477 CHABBERT, E. La maladie de la graisse du vin. Bouches du Rhône Agr. 24(1082):11. Sept.15,1952. 14 B662

8478 CHAUNAC, A. DE. Canada—a wine making country. (Abs.) Wines & Vines 33(10):13. Oct.1952. 95.8 C122

8479 CHAUNAC, A. DE, and WAGNER, P. Une dégustation d'hybrides en U. S. A. Viticult. Nouvelle 5(54):27-28. Oct.1952. 390.8 V832
Wine quality.

8480 CHTETSOV, A. A., and CHIGIRIN, N. P. Method of extracting [cognac] spirit from the wood of barrels. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12): 41. Dec.1951. 95.8 V77

8481 CRUESS, W. V. Notes on clarification. Wines & Vines 33(9):20-21. Sept.1952. 95.8 C122

8482 DATUNASHVILI, E. N. Scientific-research work in the field of cognac manufacture. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):58-59. Nov.1951. 95.8 V77

8483 DICEY, P. Wine in South Africa; a select bibliography. Cape Town,1951. 29 p. (Cape Town. University of Cape Town. School of Librarianship. Bibliographical Series) 241.64 D54

8484 DIEDERICKSEN, R. Minimum price for coffee. (In Portuguese.) Soc. Rur. Bras. Rev. 32(378): 52. July 1952. 9.2 B733

8485 DRAGAŠ, M. Contrôle de la méthode de recherche de l'exactitude de l'ébullioscope. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6): 170-175. 1951. 21.5 Y9
French summary.
Wine.

8486 DRONOV, A. E. To turn out production only of excellent quality. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):50. Dec.1951. 95.8 V77
Novorossiiskii Wine Factory.

8487 DYVERDON, C. Comment fabriquer de bons cidres ou vins de fruits. Cour. Hort. 14:428-432. Aug.1952. 80 C834

8488 EASTON, N. R., and MOLER, E. S. Composition of cacao butter bloom revealed for first time as result of Lehigh studies. Candy Indus. 17(9):5,41. Oct. 21,1952. 389.8 C168

8489 ENGELHARDT, W. Die gegenwärtige organisation des weinbaues in Südbaden. Bauern-Ztg. 5(34):15,20. Aug.22,1952. 18 B324

8490 EWING, C. O., and SCHULTE, A. M. Cocoa manufacture and standards in relation to prepared mixes. Amer. Assoc. Cereal Chem. Trans. 10:193-196. Oct. 1952. 59.9 Am3T

8491 FERTMAN, G. I. Checking the distillation of cognac spirits. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):31-32. Nov.1951. 95.8 V77

8492 FIELD, R. W., JR. Tea's Junior Board [of Directors of the Tea Association]. Coffee & Tea Indus. 75(10):43,56. Oct.1952. 389.8 Sp4

8493 FORNACHON, J. C. M. Enological research in Australia. (Abs.) Wines & Vines 33(9):24. Sept. 1952. 95.8 C122

8494 FRASER, P. F. Wine diseases and condition trouble: their prevention and cure. Chem. & Indus. 38: 916-920. Sept.20,1952. 382 M31C

8495 FREEMAN, J. Wines of Bordeaux. I.-II. New Statesman & Nation 44:339-340,372-374. Sept.27-Oct.4,1952. 280.8 N2132

8496 GALLAY, R., BENVEGNIN, L., and CAPT, E. L'effet des levures sélectionnées sur les caractères du vin. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8: 69-71. Sept.1952. 17 J82A

8497 GALLAY, R., BENVEGNIN, L., and LEYVRAZ, H. Vers un encépagement partiel en rouge de notre vignoble romand. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:62-63. Aug.1952. 17 J82A

8498 GÉORGACOPOULOS, and COSTOPOULOS, J. Dosage des sucres par la méthode au ferricyanure. Off. Internatl. du Vin. B. 25(258):114-120. Ref. Aug.1952. 390.8 B87

8499 GOMEZ, R. El empleo de la Artemisia absintium (ajenjo) en la elaboración del vino Vermouth; su caracterización mediante la investigación de la tuyona. La Plata. U. Nac. Facul. de Cien. Quím. Rev. 24:63-68. Ref. 1949,pub.1952. 385 L31

8500 GONCHARENKO, F. I. Dry wines from Kaberne-Sovin'on and Kaberne fran [grape varieties]. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):22. Nov. 1951. 95.8 V77

8501 GONDRY, J. Pour vinifier "en blanc" le raisin de vos ceps. Vie à la Campagne 41:323-324. Sept.1952. 80 V67

8502 GRIVAS, G., Le dosage de l'extrait du vin d'apres le poids spécifique de la solution aqueuse. Off. Internatl. du Vin. B. 25(258):121-123. Aug.1952. 390.8 B87

8503 GUYMON, J. F., and AMERINE, M. A. Tasting of experimental dessert wines produced with brandies of different qualities. Wines & Vines 33(9):19. Sept. 1952. 95.8 C122

8504 GVELESIANI, V. P. Testing sodium alginate under industrial conditions [as a wine clarifier]. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):24-25. Nov. 1951. 95.8 V77

8505 HALL, M. M. Evolution of a coffee package. Coffee & Tea Indus. 75(10):51-52,54. Oct.1952. 389.8 Sp4

8506 HANSEN, R. E. Chemical coffee curing. Foreign Agr. 16:155-156. Sept.1952. 1.9 Ec7For

8507 HARRISON, C. J. Science in the tea industry. Tea Trade & Indus. 1:187-189. Apr.1952. 68.18 T225

8508 HAUSTEINER, G. Einiges aus der kellerwirtschaft des bauern. III. Die gärung. Kärntner Bauer 102:529. Oct.1,1952. 19 K14

8509 HEILBRON, SIR I. Brewing Industry Research Foundation fifth progress report. Inst. Brewing. J. (n.s.)49:322-325. Sept./Oct.1952. 390.9 In7

8510 HENNIG, K. Aferrin, ein neues weinschönungsmittel. (Abs.) Angew. Chem. 64:358. July 7,1952. 384 Z33

8511 HEUCKMANN, W. Sinn und zweck der weinbaukongresse. Bauern-Ztg. 5(34):5. Aug.22,1952. 18 B324
Germany.

8512 HUMPHRIES, E. C. Changes in the absolute dry matter content of cacao during fermentation. Trop. Agr. [St. Augustine] 29:70. Jan./Mar.1952. 26 T754

8513 INDART, H. N. La yerba mate vuelve a interesar en EE. UU. Mundo Agr. 4(39):104-105. Aug. 1952. 9 M92

8514 INTER-AMERICAN TECHNICAL CACAO COMMITTEE. Fourth meeting. Guayaquil,1952. 346 p. 68.39 In8

8515 JEAUBIN, M. Pour mieux vendre le vin. Emballages 22(134):8. Sept./Oct.1952. 309.8 Em1
France.

8516 JIMENEZ CUENDE, F. Modernos tipos de prensas para vinificación. Agricultura [Madrid] 21:484-490. Sept.1952. 15 Ag84

8517 JONES, L. W. Trends in spice distribution. 2. Coffee & Tea Indus. 75(10):55. Oct.1952. 389.8 Sp4
Chiefly on packaging.

8518 JOSSELIN. Une des grandes richesses de Madagascar: la vanille. Entrep. et Prod. de Madagascar 9:9-19,21-36. Oct./Dec.1951. 280.8 En8
The industry.

8519 JUDEZ, M. An examination of wine musts for 1951 and directions for fermentation. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:48-51. Feb.1952. 21.5 Sa1

8520 KINTNER, T. C., and MANGEL, M. Variation in hydrogen ion concentration and total acidity in vinegar. Food Res. 17:456-459. Ref. Sept./Oct.1952. 389.8 F7322

8521 KIR'IALOVA, E. N. Fruit and berry wine-making on collective farms. (In Russian.) Sad i Ogorod 7:41-43. July 1952. 80 Sa13

8522 KLEBER, W., and RAIBLE, K. Versuche mit Diastol, einem neuen enzympräparat. Brauwelt 37:863-867. Sept.11,1952. 390.8 B732
English summary.

8523 KNAPP, A. Die bestimmung der feuchtigkeit und des fettgehaltes in kakao- und schokoladeprodukten. Zucker- u. Süsswaren-Wirt. 5:682-684. Sept.5,1952. 286.86 Z8

8524 KNAPP, A. Die bestimmung der mineralbestandteile (asche) und deren alkalität in schokolade und kakaoprodukten. Rev. Internatl. de la Choc. 7:225-232. Aug.1952. 68.38 R32

8525 KNAPP, A. Neuerliche stellungnahme zum handelsindex für rohkakao. Zucker- u. Süsswaren-Wirt. 5:676-678. Sept.5,1952. 286.86 Z8
Grading.

8526 KOCH. Maschinen und geräte in der modernen kellerwirtschaft. Deut. Weinbau 7:491-492. Sept.5, 1952. 390.8 W432

8527 KRAMARENKO, K. S. Greater attention to problems of [wine] degustation. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):12. Dec.1951. 95.8 V77

8528 KRANJC, I. Some practical suggestions for determination of the strength of wine with ebullioscope. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:147-149. May/June 1952. 21.5 Sa1

8529 KRASNIUK, P. I. Wine industry in the Ukraine SSR is increasing. (In Russian.) Vinodel. i Vinograd. SSSR. 2:56-59. Feb.1952. 95.8 V77

8530 KRASNOKUTSKAIA, S. V. Production of berry wine. (In Russian.) Sad i Ogorod 7:43-47. July 1952. 80 Sa13

8531 KRUPSKI, E., HALL, N. A., and FISCHER, L. The effect of spoiled fruit on table type loganberry, grape and apple wines. Amer. J. Pharm. 124:264-268. Ref. Aug.1952. 396.8 Am3

8532 KULZHINSKAIA, N. A. Experiments in wine clarification with sodium alginate. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):23-24. Nov.1951. 95.8 V77

8533 LAPKO, A. IA. Accelerated ripening of cognac spirit. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12): 16. Dec.1951. 95.8 V77

8534 LAVRENT'EVA, A. M. Determination of furfural in cognac. (In Russian.) Vinodel. i Vinograd. SSSR. 2:28-29. Feb.1952. 95.8 V77

8535 LEMERLE, G. Vanille ou aldéhyde methyl-protocatéchique. Entrep. et Prod. de Madagascar 9:63-66. Oct./Dec.1951. 280.8 En8

8536 LEVCHENKO, T. N., and TSITOVICH, N. G. Types of musts for Tashkent Factory of Champagne Wines. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12): 13-15. Dec.1951. 95.8 V77

8537 LUERS, H. Zur geschichte des brauwesens; ein manuskript über brauereitechnologie von Prof. Dr. Joh. Bapt. Hermann etwa aus dem jahre 1825. Brauwelt 37:856-862. Sept.11,1952. 390.8 B732
English summary.

8538 LÜTHI, H., and VETSCH, U. Papierchromatische bestimmung von aminosäuren in weinen. Schweiz. Z. f. Obst- u. Weinbau 61:390-394. (Cont.) Sept.20,1952. 80 Sch9

8539 LÜTHI, H., and VETSCH, U. Papierchromatographische bestimmung von aminosäuren in weinen. Schweiz. Z. f. Obst- u. Weinbau 61:405-408. (Concl.) Ref. Oct.4,1952. 80 Sch9

8540 MCKEE, I. Historic Fresno County wine growers. California 42(9):12-13,23. Ref. Sept.1952. 280.8 C12

8541 MALAYA. DEPT. OF AGRICULTURE. Fermentation and drying of cacao beans. Malaya. Dept. Agr. Agr. L. 30,6 p. Mar.1952. 22.5 F31A

8542 MALDONADO, J. E. Leyenda del cacao (Theobroma). Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):30-32. July/Dec.1950,pub.July 10,1952. 8 G934

8543 MAMALADZE, P. I. Labeled wines of Kartalinia. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):8-10. Dec.1951. 95.8 V77

8544 MARESCALCHI, C. The wine problem: to correct the excessive variation between producer prices and retail prices. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(85):5-7. Oct.8,1952. 281.8 Ag3

8545 MARSHALL, C. R. Some problems affecting precipitation of cream of tartar in wine. Bottler & Packer 26(9):120-125. Sept.1952. 390.8 B65

8546 MARTEAU, G. Etude d'égrappoirs. Prog. Agr. et Vitic. 138:230-236. (Cont.) Oct.19/26,1952. 14 P94

8547 MARTIN, R. Quelles techniques simples peut-on mettre en oeuvre pour faire du bon vin? Tarn-et-Garonne Agr. 15:148-149. Sept.1952. 14 T17

8548 MATUSCHKA-GREIFFENCLAU, R., GRAF. Zum 41. deutschen weinbaukongress 1952. Bauern-Ztg. 5(34):3-4. Aug.22,1952. 18 B324

8549 MAUREL, A., and LALEMENT, S. Etude des falsifications des extraits de vanille. Ann. des Falsif. et des Fraudes 45:257-267. July/Aug.1952. 389.8 An72

8550 MEGRELIDZE, K. V. New technology for wine from Khindogny [grape] variety. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):10-11. Dec.1951. 95.8 V77

8551 MEINKE, E. Weinbau und wein im badischen unterland. Bauern-Ztg. 5(34):12. Aug.22,1952. 18 B324

8552 MENSIO, C. Property and effects of sulfur anhydride. I-II. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:311-312,354-366. Aug.-Sept.1952. 16 C72
In wine manufacture.

8553 MERZHANIAN, A. A. [Reply] to certain comments on the theory of champagne manufacture. (In Russian.) Vinodel. i Vinograd. SSSR. 2:23-25. Feb.1952. 95.8 V77

8554 MESTRES, A. La bodega. Balearic Isl. Diputación Prov. B. de Agr. 94:1-2. July 1952. 15 B19
Wine manufacture.

8555 MESTRES, A. La bodega. II. Balearic Isl. Diputación Prov. B. de Agr. 95:1-2. Aug.1952. 15 B19
Wine manufacture.

8556 MIR, R. M. Vinos finos. Vinos, Viñas y Frutas 46(562):17-18. July 1952. 9 Ag89

8557 MOLINA URRUTIA, G. Elaboración de champagnes argentinos. Vinos, Viñas y Frutas 46(562): 13-15. July 1952. 9 Ag89

8558 MOTALEV, S. V., and others. Mechanization of unloading grape pulp from vats [in wine fermentation]. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):40. Dec. 1951. 95.8 V77
L. I. Tuman'iants, L. IA. Orsher, and V. S. Kaushanskii, joint authors.

8559 MÜHLBAUER, J. Pilsener bier. Brauwissenschaft 9:153-159. (Cont.) Sept.1952. 390.8 B733

8560 MUÑOZ OCHOA, P. Prácticas de vinificación. Zaragoza,Tip. La Académica,1951. 211 p. (Publicaciones Monográficas de La Revista Vinícola y de Agricultura) 390.1 M92

8561 NATARAJAN, C. P., BHATIA, D. S., and SUBRAHMANYAN, V. Studies on the utilization of coffee husk. J. Sci. & Indus. Res. 11A:410-411. Sept.1952. 475 J82

8562 NÈGRE, E. Le vinificateur, esclave de la machine? Prog. Agr. et Vitic. 138:223-229. (Cont.) Oct.19/26,1952. 14 P94

8563 NEW CLARIFIER removes metals from wines. Food Engin. 24(10):112-113. Oct.1952. 389.8 F737
Fessler Compound.

8564 NUNCIO BRAVO, P. Acidez volátil de los vinos. Vinos, Viñas y Frutas 46:511. June 1952. 9 Ag89

8565 NUNCIO BRAVO, P. Acidez volátil de los vinos. III. Vinos, Viñas y Frutas 48:111-112. Aug.1952. 9 Ag89

8566 OFF. INTERNATIONAL DU VIN. XXXIe session officielle plénière du comité de l'O. I. V. (Madrid-Lisbonne-Porto, 10-21 septembre 1951). Off. Internatl. du Vin. B. 25(258):17-108. (Cont.) Aug.1952. 390.8 B87

8567 OKOLELOV, I. N., and KOTLIARENKO, M. R. Utilization of cold in wine manufacture. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):5-8. Dec.1951. 95.8 V77

8568 OLIVA, A. La producción de sidra y los fletes ferroviarios. Vinos, Viñas y Frutas 48:103. Aug.1952. 9 Ag89
Argentina.

8569 OLIVA, A. La producción nacional de sidra. Vinos, Viñas y Frutas 46:501. June 1952. 9 Ag89
Argentina.

8570 ORTSEV, A., CHISTOVICH, T., and FILIPPOV, B. Selected yeasts in tank champagne manufacture. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):28-30. Nov. 1951. 95.8 V77

8571 OSPINA B., S. La amenaza de la superproducción cafetera. III. Agr. Trop. 8(9):21-25. Sept. 1952. 26 Ag8

8572 PANASIUK, M. I. Quality dessert wines made of fruits and berries. (In Russian.) Vinodel. i Vinograd. SSSR. 2:19-22. Feb.1952. 95.8 V77

8573 PARIBENI, R. Triumph, glory, and decadence of wine. (In Italian.) Agricoltura 1(9):27-29. Sept.1952. 16 Ag8226
Italy.

8574 PAUL, F. Ist die identifizierung von gärungsprodukten und ein zuckerungsnachweis bei wein wirklich möglich? Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:192-193. Sept.1952. 105.9 K696
English summary.

8575 PEYER, E. Der neue wein. Schweiz. Z. f. Obst.- u. Weinbau 61:413-414. Oct.4,1952. 80 Sch9

8576 PLATONE, E. La industria del cacao. Situación mundial y de Ecuador, Colombia y Venezuela en particular. Inter-Amer. Tech. Cacao Comt. Proc. 4: 253-346. June 1952. 68.39 In8

8577 POLITOVA-SOVZENKO, T. K. Inspection during heat treatment of wine materials. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):56-57. Nov.1951. 95.8 V77

8578 POPEL', P. K. We're utilizing the practices of leaders [in wine manufacture and grape production]. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):9-10. Nov.1951. 95.8 V77

8579 POZUELO, J. El vicio del aguado del vino. Semana Vitivinic. 7(320):2-3. Aug.16,1952. 95.8 Se5

8580 PRATOLONGO, U. The future of the grape and wine. (In Italian.) Italia Agr. 89:71-74. Feb.1952. 16 It1

8581 PREECE, I. A., and MACLEOD, A. M. Brewing, malting and allied processes. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:748-775. Ref. 1951. 382 M31R

8582 PRICHKO, V. IA. Estimate of wine production in weight units. (In Russian.) Vinodel. i Vinograd. SSSR. 2:50-51. Feb.1952. 95.8 V77

8583 PRILLINGER, F., and PAUL, F. Einfache bestimmungen für den kellerwirt. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:173-175. July 1952. 105.9 K696
English summary.

8584 PRILLINGER, F. Gerbstoffe als ursache von trübungserscheinungen von süssmosten. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:197-199. Sept.1952. 105.9 K696
English summary.

8585 PRILLINGER, F. Über die flüchtigen aromastoffe bei der vergärung von traubenmost. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2: 160-164. July 1952. 105.9 K696
English summary.

8586 PRILLINGER, F. Über die flüchtigen aromastoffe bei der vergärung von traubenmosten. II. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2: 188-191. Sept.1952. 105.9 K696
English summary.

8587 REINHOLD, W. Lang haltbare biere durch kieselgurfeinfiltration. Brauwelt 37:867-876. Sept.11, 1952. 390.8 B732
English summary.

8588 RENNER, B. Praktische erfahrungen mit der hopfen-trub-filtration. Brauwelt 40:958-960. Oct.2, 1952. 390.8 B732

8589 RENTSCHLER, H. Die anwendung pektinspaltender enzyme in der praxis. Schweiz. Z. f. Obst.- u. Weinbau 61:417-419. Oct.4,1952. 80 Sch9
In fruit juice and wine manufacture.

8590 RICHERT, W. S. Stabilization practices in California wineries. V-VI. Wines & Vines 33(9):23-24. Sept./Oct.1952. 95.8 C122
Summarized from a report by Harold W. Berg.

8591 ROLLER, P. S. Improved water treatment ups beverage quality; other food uses seen. Food Engin. 24 (11):69-71,178. Ref. Nov.1952. 389.8 F737

8592 ROSSI, E. A. What's that you're sipping. California 42(9):15,34. Sept.1952. 280.8 C12
Wine types.

8593 RUBIO, J. Vinos y sidras sin alcohol. Vinos, Viñas y Frutas 46:515. June 1952. 9 Ag89

8594 RUIZ, M. El vino; divulgación: la fermentación. Agr. Burgalés 19(213):13-16. Sept.1952. 15 Ag86

8595 SACHSSE, M. Was versteht man heute unter tafelschokolade? Zucker- u. Süsswaren-Wirt. 5:664-666. Aug.20,1952. 286.86 Z8
Legal aspects in Germany.

8596 ST-LAUMER, G. DE. La motion de la F.A.V. [Fédération des Associations Viticoles]. Viticult. Nouvelle 5(54):18-20. Oct.1952. 390.8 V832
Grape hybrids.

8597 SALVADOR, A. N. Oxidizing casse. (In Portuguese.) Vida Agr. [Lisboa] 15(90):8. July/Aug. 1952. 15.5 V66

8598 SANDWEG, C. Die kakao- und schokoladenfabrik der GEG [Grosseinkaufs-Gesellschaft Deutscher Konsumgenossenschaften] in Hamburg. Verbraucher 6: 484-485. Sept.27,1952. 280.28 K833

8599 SAVON, L. Comment éviter la désacidification des vins dans les cuves en ciment. Rev. Agr. de l'Afrique du Nord 50:528. Aug.15,1952. 80 R326

8600 SCHWARZ, G., and WEBER, R. Die vergärung und das brennen von kirschmaischen und der einfluss ihrer essigsäuregehalte auf die eigenschaften der branntweine. Branntweinwirtschaft 74:281-283. Aug. 25,1952. 390.8 B7322

8601 SIMONDS, P. W., and PRO, M. J. Chromatographic detection of grape wines in the presence of other wines. Assoc. Off. Agr. Chem. J. 35:796-799. Aug.15, 1952. 381 As7

8602 SLADDEN, G. E., and MICHEL, L. Méthodes de commercialisation du café Arabica produit par les indigènes du Ruanda-Urundi. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):63-84. 1952. 24 K83

8603 SOKHADZE, P. G. Enterprises of the Samtrest during the wine making season [in Georgian SSR]. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):59-61. Nov. 1951. 95.8 V77

8604 SONNEMAN, H. O. Ohio—the production of wine. (Abs.) Wines & Vines 33(10):14. Oct.1952. 95.8 C122

8605 STOLLENWERK, H. C. Progress in tank fermentation of sparkling wines. Wines & Vines 33(10): 19-20. Oct.1952. 95.8 C122

8606 SZAKALL, A. Untersuchungen über das biologisch wirksame milieu im gärungsessig. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:100-107. Aug. 1952. 384 Z39

8607 TARIN, J. La campaña vinícola-alcoholera de 1952-53; comentarios sobre su desarrollo y posibilidades. Agricultura [Madrid] 21:491-493. Sept.1952. 15 Ag84
Spain.

8608 TESTA, J. Coffee in 1951. II. (In Portuguese.) São Paulo. Supt. dos Serv. do Café B. 27:583-590. July 1952. 68.29 Sa63

8609 THERON, C. J. South African wines. Wine & Spirit 21(9):11-14. Sept.1952. 390.8 W725

8610 TORO, F. L. Manos a la obra y que dios los ilumine. Rev. del Café 8(2):5. Aug./Sept.1952. 8 R3295
Coffee policy for Puerto Rico.

8611 TRITTON, S. M. The function of yeast in the flavour development of white wine. II. Bottler & Packer 26(9):72-76. Sept.1952. 390.8 B65

8612 ULBRICH, M., and SALLER, W. Gärhemmungen durch spritzmittel? Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:164-169. July 1952. 105.9 K696
English summary.
Grape juice fermentation.

8613 UNDERWOOD, G. E., and DEATHERAGE, F. E. Nitrogen compounds of coffee. Food Res. 17:419-424. Sept./Oct.1952. 389.8 F7322

8614 UNDERWOOD, G. E., and DEATHERAGE, F. E. A study of the amino acids of green and roasted coffee including a new method of protein hydrolysis. Food Res. 17:425-432. Ref. Sept./Oct.1952. 389.8 F7322

8615 VAN DER KISTE, W. R. Vast strides in Ceylon tea. Coffee & Tea Indus. 75(8):37. Sept.1952. 389.8 Sp4

8616 VOGT, E. Was bringt die zukunft dem südbadischen weinbau? Bauern-Ztg. 5(34):8,19. Aug.22, 1952. 18 B324

8617 VOGT, E. Der wein; seine bereitung, behandlung und untersuchung. Ed. 2. Stuttgart, Ulmer, 1952. 239 p. 390.1 V862

8618 WALLERSTEIN, L., SALETAN, L. T., and GRAY, P. P. Progress in brewing science and technology Indus. & Engin. Chem. 44:2768-2776. Ref. Nov.1952. 381 J825

8619 WEINFURTNER, F., and UHL, A. Zur frage des coli-nachweises in brauereien. Brauwissenschaft 9:145-148. Sept.1952. 390.8 B733
English summary.

8620 WIKRAMANAYAKE, V. E. A. Drying of cacao in wet weather. Trop. Agr. [Peradeniya] 108:49. Jan./Mar.1952. 26 T751

8621 WILHELM, A. F. Das Badische Weinbauinstitut in Freiburg. Bauern-Ztg. 5(34):21. Aug.22,1952. 18 B324

8622 WINKLER, A. J. Argentina—problems of production. (Abs.) Wines & Vines 33(10):14. Oct.1952. 95.8 C122

8623 WINKLER, W. O. Report on cacao products. Assoc. Off. Agr. Chem. J. 35:650-656. Aug.15,1952. 381 As7

8624 WRIGHT, H. M. Vanilla in Puerto Rico. Coffee & Tea Indus. 75(10):53. Oct.1952. 389.8 Sp4
The industry.

8625 ZACCONE, S. Regulated wine manufacture. (In Italian.) Cam. di Com. Indus. e Agr. di Novara. Not. Econ. 8(6):5-7. June 1952. 287 N85N

8626 ZEEHUISEN, J. J. Summary of semi-technical tea preparation tests at the Tocklai Experimental Station in 1950. (In Dutch.) Bergcultures 21:321,323. Aug.16,1952. 22.5 B45

8627 ZEZZOS, R. The "great wines" of of our Piedmont. (In Italian.) Cron. Econ. 115:44-48. July 1952. 280.8 C882
Wine in literature.

DAIRY PRODUCTS

8628 ALLIX, J. La place du lait et des produits laitiers dans l'économie française. Opinion Écon. et Financ. 5(11):8-11. Mar.1952. 44 Op3

8629 AURION, B. Le lait dans notre économie agricole. Opinion Écon. et Financ. 5(11):12-13. Mar. 1952. 44 Op3
France.

8630 BELLE, G. La Centrale Laitière de Casablanca. Élevage et Cult. 4(44):12-13. Aug.1952. 24 EL2

8631 BÖCKLEIN, H. Viel geschrei um weniger butter. Landwirt. Wchnbl. 142:1024-1025. Sept.13,1952. 18 L2338
Germany.

8632 BRAUNREUTHER. Erfahrungen und schlussfolgerungen aus eignungsprüfungen für molkereilehrlinge. Deut. Molk.-Ztg. 73(37):inside front cover. Sept.12,1952. 44.8 Su2

8633 BRITISH DAIRY FARMERS' ASSOCIATION. Dairy show catalogue of the 65th annual show Olympia, London W. 14, October 23-26, 1951. London,1951. 316 p. 44.9 B77C

8634 CERDELLI, U. Aspects of the dairy and cheese industry. (In Italian.) Conv. Econ. Naz. dell'Agr. Atti 1951:21-35. 281.9 C7674
Italy.

8635 CHARET, J. L'école d'industrie laitière d'Aurillac. Tech. Lait. 8(112/113):13,15. Sept.1952. 44.8 Of2

8636 CHARLET, P. Géographie de la production laitière française. Opinion Écon. et Financ. 5(11):28-29. Mar.1952. 44 Op3

8637 CHIEFFI, A. Dairy activity in Brazil. (In Portuguese.) Soc. Rur. Bras. Rev. 32(377):56-63. Ref. June 1952. 9.2 B733

8638 CLAY, J. B. Dairying in Venezuela. Hoard's Dairyman 97:882,909. Nov.10,1952. 44.8 H65

8639 CRAGOE, N. L. Milk in Portugal. Milk Indus. 33(3):46-48. Sept.1952. 44.8 M593
The industry.

8640 CREPIN, P. La production du lait de chèvre. Opinion Écon. et Financ. 5(11):53. Mar.1952. 44 Op3
France.

8641 DAIRY industry [South Africa] at the cross-roads; crop cultivation in need of balanced system of mixed farming with milk production playing an important part; scheme to stop slaughter of cows and to control sales. Farmer's Wk. [Bloemfontein] 84:14-15,17. Sept. 1952. 24 F225

8642 DEBAR, P. Paturages et laits de Franche-Comté. Opinion Écon. et Financ. 5(11):19-21. Mar.1952. 44 Op3

8643 FERNANDES, J. S. Milk production is always a good business. (In Portuguese.) Chacaras e Quintais 86:215-216. Aug.15,1952. 9.2 C34

8644 FERRANDO, R. Le problème de la production laitière. Lait 32:374-384. July/Aug.1952. 44.8 L143
France.

8645 FRANCE. DIRECTION DE LA DOCUMENTATION. Aperçu sur l'industrie laitière norvégienne. France. Dir. de la Doc. Notes et Études Doc. 1653,36 p. Sept.13,1952. 280.9 F843

8646 FRENSEL, O. A call! (In Portuguese.) B. do Leite 6(62):1,3. Aug.1952. 44.8 B633
On the magazine "Boletim do Leite."

8647 FRENSEL, O. Per aspera ad astra. (In Portuguese.) B. do Leite 6(61):1,3,5,7-14. July 1952. 44.8 B633
Effects of cheese prices established on the Brazilian milk industry.
Includes a paper by A. Torres Filho: Milk and dairy products in the campaign for agricultural production, p.11-12.

8648 GABORIAUD, R. La Fédération Nationale des Producteurs de Lait. Opinion Écon. et Financ. 5(11): 80. Mar.1952. 44 Op3

8649 GMELIN. Futternot und milcherzeugung. Deut. Molk.-Ztg. 73(36):inside front cover. Sept.5,1952. 44.8 Su2

8650 GUEBRIANT, B. DE. La production laitière en Bretagne. Opinion Écon. et Financ. 5(11):24-25. Mar.1952. 44 Op3

8651 GUÉRAULT, P. La place des produits laitiers français dans l'économie mondiale. Opinion Écon. et Financ. 5(11):4-7. Mar.1952. 44 Op3

8652 GUNDLACH, G. P., and ESMOND, C. W. Overcoming a profit problem. Milk Dealer 41(12):106-107. Sept.1952. 44.8 M595

8653 GÜNGERICH, H. Zur technischen rationalisierung des molkereibetriebes. Molk.-Ztg. 6:967-968. Sept.11,1952. 44.8 M735
Germany.

8654 HERZ, H. Milchwirtschaft in Ägypten. Deut. Molk.-Ztg. 73(39):inside front cover. Sept.26,1952. 44.8 Su2

8655 HERZ, H. New dairying trends in Denmark. Milk Dealer 41(12):84. Sept.1952. 44.8 M595

8656 HISCOX, E. R. A note on yoghurt. Soc. Appl. Bact. Proc. 14(2):xii-xiv. Oct.1951,pub.Oct.1952. 448.39 So12

8657 HUGHES, C. E. Dairying looks bright for those who can hold the pace. Milk Prod. [Houston] 17(10):14-15, 18,30. Oct.1952. 44.8 M5993

8658 JENSEN, H. M. The dairy industry in Denmark. (In Danish.) Tidsskr. f. Landøkon. 9:353-367. Sept.1952. 11 T43

8659 JURGENS, H. Die private molkereiwirtschaft im raum Weser-Ems. Molk.- u. Käserei-Ztg. 3:1271-1272. Oct.2,1952. 44.8 M736

8660 KENNEDY, R., JR. A contemporary revolution. Ice Cream Rev. 36(3): 52,72,74-76,78. Oct.1952. 389.8 Ic22
Ice cream industry.

8661 KIHL, W. Der geschäftswert einer molkerei. Molk.- u. Käserei-Ztg. 3:1270-1271. Oct.2,1952. 44.8 M736
Germany.

8662 KRIESEL, H. C. More people than production per capita. Certif. Milk 27(10):13. Oct.1952. 44.8 C33
Milk production and consumption.

8663 LAULANIÉ, DE. La production laitière dans Les Charentes et Le Poitou. Opinion Écon. et Financ. 5(11):23-24. Mar.1952. 44 Op3

8664 LAURANS, R. La production française de lait de brebis. Opinion Écon. et Financ. 5(11):51-52. Mar.1952. 44 Op3

8665 LEVITAN, M. The future of imitation ice cream. Milk News Wk. 39(26):6,8. Sept.26,1952. 44.8 C124

8666 LUCAS, J. E. La production du lait en Ile-de-France. Opinion Écon. et Financ. 5(11):21-22. Mar. 1952. 44 Op3

8667 MARKOVA, K. V. Bor'ba za poluchenie dobrokachestvennogo moloka na kolkhoznykh fermakh (Ramenskii Raion, Moskovskoi Oblasti) [Effort to obtain milk of good quality on the collective farms (Ramenskii District, Moscow Region)]. Moskva,1951. 22 p. 44 M345

8668 MERISH, F. Better business control for milk plants through monthly checks of sales and cost figures. Milk Plant Mon. 41(9):88,90-92. Sept.1952. 44.8 C864

8669 MITTAINE, J. Le lait de brebis dans Les Causses. Opinion Écon. et Financ. 5(11):26-27. Mar. 1952. 44 Op3

8670 MORRIS, A. J. L'industrie laitière engage un technicien. Québec Lait. 11(9):14-17. Sept.1952. 44.8 Q3
Education for the industry.

8671 MULGRUE, J. Dairy industry in Denmark. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:116-119. July 1952. 281.9 Au73

8672 NIEMEYER, H. Qualitätssteigerung durch nachwuchsförderung. Molk.- u. Käserei-Ztg. 3:1275-1278. Oct.2,1952. 44.8 M736
Germany.

8673 L'OPINION ÉCONOMIQUE ET FINANCIÈRE. Le lait; richesse française. Opinion Econ. et Financ. 5(11),80 p. Mar.1952. 44 Op3

8674 PARKER, L. T. Review of higher court law suits affecting the butter-cheese industry. Amer. Dairy Prod. Rev. 14(10):32-35,47. Oct.1952. 44.8 Am37

8675 PFITZENREUTER, A. Die privatmolkereien und -käsereien in Nordrhein-Westfalen. Molk.- u. Käserei-Ztg. 3:1274-1275. Oct.2,1952. 44.8 M736

8676 PRÉVOST, M. La laiterie brésilienne. Indus. Lait. (n.s.)72:191-194. Sept.1952. 44.8 In2

8677 PRÉVOST, M. La laiterie uruguayenne. Indus. Lait. (n.s.)72:195-199. Sept.1952. 44.8 In2

8678 RAY, S. C., and DE, S. Indigenous milk products of India. II. Khoa. Indian Dairyman 4:27-31. Aug.1952. 44.8 In282

8679 RIBEIRO, J. A. Dairy industry in Rio Grande do Norte. (In Portuguese.) B. do Leite 6(62):5-7. Aug. 1952. 44.8 B633

8680 ROSENBAUM, R. How the dairy industry helps a nation. Milk Bd. J. 3(8):13-14. Aug.1952. 44.8 M5934

8681 ROY, L. Mamirolle. Tech. Lait. 8(112/113): 16-18. Sept.1952. 44.8 Of2
École d'Industrie Laitière de Mamirolle.

8682 SCARAMELLA, E. L. More dairying needed for the Pacific Slope area. (Condensed.) Dairy Foods Rev. 56(10):28,31. Oct.1952. 286.85 P11

8683 SCHNEIDER, G. Vom berufsethos des molkereifachmannes. Deut. Molk. -Ztg. 73:1158. Sept.12,1952. 44.8 Su2

8684 SCHOLZ, F. W. Gedanken über dei notwendigkeit einer genauen techn. buchführung im molkereibetrieb. Molk.-Ztg. 6:985-986. (Cont.) Sept.11,1952. 44.8 M735

8685 SOMMER, H. H. Evaluating our future. Ice Cream Rev. 36(3):48,54,56,58,60,62. Oct.1952. 389.8 Ic22

8686 SORBI, U. The situation of the cheese industry. (In Italian.) Riv. di Econ. Agr. 7:289-292. June 1952. 281.8 R52
English summary.
Italy.

8687 THOMSEN, H. Gedanken zur rationalisierungsfrage. Molk.-Ztg. 6:969-972. Sept.11,1952. 44.8 M735
Germany.

8688 TIEDEMAN, E. W. Future of dairying. Nation's Agr. 27(9):20-21. Oct.1952. 280.82 B89

8689 TOURNEBISE, H. L'École Nationale d'Industrie Laitière de la Roche-sur-Foron. Tech. Lait. 8(112/113):18-20. Sept.1952. 44.8 Of2

8690 TYLER, E. B. The design of buildings for the milk and dairy industry. Dairy Indus. 17:893-897. Oct.1952. 44.8 D1427

8691 WEKRE, E. A visit to Finland. (In Norwegian.) Meieriposten 41:634-639. (Cont.) Aug.30,1952. 44.8 M47
Milk plants in Finland.

8692 WILD. Kartellgesetz und milchwirtschaft. Allgäuer Bauernbl. 20:476-477. Aug.28,1952. 18 AL53

8693 WOUDE, B. VAN DER. Obtaining milk in America. (In Dutch.) Bolwerk 4(8):4-5. Feb.1952. 280.28 B633
The dairy industry.

8694 ZHUIKOV, G. Milk accounting on a farm. (In Russian.) Kolkhoz. Proizvodstvo 12(9):48-49. Sept.1952. 281.8 K83

8695 ZWEHL, A. VON. Wird die molkereiwirtschaft ausreichend betreut? Molk.- u. Käserei-Ztg. 3: 1273-1274. Oct.2,1952. 44.8 M736
Germany.

Analysis and Composition

8696 ABD-EL-MALEK, Y., and GIBSON, T. Studies in the bacteriology of milk. IV. The gram-negative rods of milk. J. Dairy Res. 19:294-301. Ref. Oct. 1952. 44.8 J823

8697 ALAYZA G., L., and LOZANO Z., C. Control bacteriológico de la leche fresca por el método de los cultivos. Agronomia [Lima] 17(70):128-130. July 1952. 9.8 Ag83
Tests.

8698 ALAYZA G., L., and CASTILLO G., L. E. Control bacteriológico de la leche cruda por el método de la reductasa. Agronomia [Lima] 17(70):135-138. July 1952. 9.8 Ag83

8699 ALAYZA G., L., and BUSTAMANTE L., C. La prueba de la catalasa. Agronomia [Lima] 17(70):125-127. July 1952. 9.8 Ag83
Milk.

8700 AMERICAN BUTTER INSTITUTE. Fable and fact regarding "butter yellow," butter coloring, and the relationship of yellow color to vitamin A content of butter. Chicago,1952. 6 p.-folder. 44 Am322F

8701 BACHMANN, H. Untersuchungen an dauererhitzter milch. Molk.-Ztg. 6:1070. Oct.2,1952. 44.8 M735
Tests.

8702 BANG, F. Streptococcus aerophobus. Kieler Milchwirt. Forschber. 4:383-394. 1952. 44.9 K542
English summary.

8703 BARKWORTH, H., and HOSKING, Z. Experiments with the methylene blue reduction test for milk. (Sum.) Soc. Appl. Bact. Proc. 14(2):ix-x. Oct.1951,pub. Oct.1952. 448.39 So12

8704 BRODERSEN, A. Eine schwedische lehrbutterprüfung. Deut. Molk.-Ztg. 73:1073-1074. Aug.22,1952. 44.8 Su2

8705 CARBONE, E. Considerations on the composition of milk. (In Italian.) Latte 26:363-366. Aug.1952. 44.8 L35

8706 CIELENS, E. Amount of choline in colostrum and in milk. (In Latvian.) Latv. PSR Zinātņu Akad. Vest. 5:761-764. 1951. 511 R442
Russian summary.

8707 CLEGG, L. F. L., THOMAS, S. B., and COX, C. P. A comparison of roll-tube and Petri dish colony counts on raw milk. Soc. Appl. Bact. Proc. 14:171-183. Ref. Oct.1951,pub.Oct.1952. 448.39 So12

8708 CLEGG, L. F. L. Rejection tests for raw milk: a review of the literature. Commonwealth Bur. Dairy Sci. Abs. 14:732-749. Ref. Oct.1952. 241 Im76

8709 COUSINS, C. M. A preliminary bacteriological screening test for quaternary ammonium compounds and formulations. Soc. Appl. Bact. Proc. 14:184-190. Oct.1951,pub.Oct.1952. 448.39 So12
Bacterium coli in milk.

8710 DAVIS, J. G. The chemical composition of milk between 1900 and 1950. Analyst 77:499-524. Ref. Oct.1952. 382 An1
Includes discussion.

8711 DAVIS, J. G. The effect of cold on micro-organisms in relation to dairying. Soc. Appl. Bact. Proc. 14:216-242. Ref. Oct.1951,pub.Oct.1952. 448.39 So12

8712 DEBROT, S. Des saumures. Schweiz. Arch. f. Tierheilk. 94:590-592. Sept.1952. 41.8 Sch9
Reductase milk test.

8713 FAGEN, H. J., STINE, J. B., and HUSSONG, R. V. The identification of reducing sugars in Cheddar cheese during the early stages of ripening. J. Dairy Sci. 35:779-782. Sept.1952. 44.8 J822

8714 GARVIE, E. I., and ROWLANDS, A. A note on the contamination of milk during incubation at 22° for the clot-on-boiling test. Soc. Appl. Bact. Proc. 14:208-210. Oct.1951,pub.Oct.1952. 448.39 So12

8715 GARVIE, E. I., and ROWLANDS, A. The role of micro-organisms in dye-reduction and keeping-quality tests. II. The effect of micro-organisms when added to milk in pure and mixed culture. J. Dairy Res. 19:263-274. Ref. Oct.1952. 44.8 J823

8716 GERICKE, S., and BARMANN, C. Der mineralstoffgehalt der milch. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1286. Aug.21,1952. 18 L2346

8717 GORDON, G. E. Milk test variations. Calif. Dairyman 32(18):5,13. Oct.4,1952. 44.8 C12

8718 GRÜTZ, P. Regulierung des gehaltes an trockenmasse und des F. i. T. im speisequark. Molk.-Ztg. 6:915-916. Aug.28,1952. 44.8 M735

8719 GULATI, K. C., and KARTHA, A. R. S. Indicator substances for the detection of hydrogenated oil when used as adulterant of clarified butter fat. J. Sci. & Indus. Res. 11B:346-347. Aug.1952. 475 J82

8720 GUTHRIE, E. S. A study of the body of cultured cream. N. Y. (Cornell) Agr. Expt. Sta. B. 880, 23 p. June 1952. 100 N48C

8721 HANSEN, R. P., and SHORLAND, F. B. Seasonal variations in fatty acid composition of New Zealand butterfat. Biochem. J. 52:207-216. Ref. Oct. 1952. 382 B52

8722 HARTMANN, A. Praktische versuche mit dem Röder'schen reduktase-bzw. resazurin-apparat. Molk.-Käserei-Ztg. 3:1053-1054,1057. Aug.28,1952. 44.8 M736

8723 HILLIG, F. Water insoluble fatty acids in butter. Assoc. Off. Agr. Chem. J. 35:748-751. Aug.15, 1952. 381 As7

8724 HIRSCH, A. The evolution of the lactic streptococci. J. Dairy Res. 19:290-293. Ref. Oct.1952. 44.8 J823

8725 HIRSCH, A. 'Wild' strains of Streptococcus cremoris. J. Dairy Res. 19:288-289. Oct.1952. 44.8 J823

8726 HOPKINS, D. P. The protein in milk. Dairyman 69:533,535. Sept.1952. 44.8 D1426

8727 HOVMAND, H. C. Sun-camp test for the detection of Streptococcus agalactiae in bulk milk. Nord. Vetmed. 4:901-907. Sept.1952. 41.8 N813

8728 INVERNIZZI, R. The tendency of milk to acidify and curdle. (In Italian.) Mondo del Latte 7:397, 399-402,404,407. Ref. July 1952. 44.8 M74
English summary.

8729 JØRGENSEN, H. Quality control with processed cheese. (In Danish.) Nord. Mejeri-Tidsskr. 18: 116-117. 1952. 44.8 N752

8730 LEMBKE, A., KAUFMANN, W., and LAGONI, H. Fermentative studien an mikroorganismen. I. Über die reduktion von methylenblau durch bakterien. Kieler Milchwirt. Forschber. 4:361-376. 1952. 44.9 K542
English summary.

8731 LEYDOLPH, W., and ULRICH, A. Untersuchungen über das verhalten des milchzuckers in der milch von schwarzbunten tieflandrindern. Milchwissenschaft 7:328-333. Ref. Oct.1952. 44.8 M5933
English summary.

8732 MAESTRONE, G. Action of hydrogen peroxide 130 vol. on milk contaminated with Brucella. (In Italian.) Arch. Vet. Ital. 3(2):111-132. Ref. Apr.30,1952. 41.8 Ar25
English summary.

8733 MAIR-WALDBURG, H. Kleinigkeiten—einmal ernst genommen. Deut. Molk.-Ztg. 73:1036,1038. Aug. 14,1952. 44.8 Su2
Milk tests.

8734 MATTENHEIMER, H., NITSCHMANN, H., and ZAHLER, P. Das lab und seine wirkung auf das casein der milch. VI. Über die phosphatasewirkung des labes. Helvet. Chim. Acta 35:1970-1983. 1952. 385 H36
English summary.

8735 MENNINGER, H. Qualitätssteigerung und betriebskontrolle. Molk.- u. Käserei-Ztg. 3:1241-1245. Sept.25,1952. 44.8 M736
Milk.

8736 MITRA, S. N. Determination of fat in 'chhana' by the Gerber milk butyrometer. Sci. & Cult. 18:150-151. Sept.1952. 475 Sci24

8737 MULVANY, J. L. Leches calostrales; pruebas para identificarlas. Chacra 22(262):24. Sept.1952. 9 C34

8738 MULVANY, J. L. Materia grasa en la leche. Rev. Ganad. [Habana] 12(10):38-39. Oct.1952. 49 R321

8739 MULVANY, J. L. La prueba de impurezas. Chacra 22(263):22. Oct.1952. 9 C34
Milk.

8740 MUNDLE, H. Die prüfung der milch auf frischezustand, ihre bedeutung und durchführung im praktischen betrieb. Molk.-Ztg. 6:980. Sept.11,1952. 44.8 M735

8741 MURPHY, J. M., and STUART, O. M. Studies on the growth in vitro of a strain of Streptococcus agalactiae in milk from infected and uninfected cows. Cornell Vet. 42:537-558. Oct.1952. 41.8 C81

8742 POSTHUMUS. The taking of samples for the reductase test. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:584-586. Sept.17,1952. 44.9 AL3

8743 POSTHUMUS, G. Un aparato para la lectura exacta de tubos Gerber. Indus. Lech. 34:414-416. Aug. 1952. 44.8 In26

8744 POUNDEN, W. D. Variations in the resistance of milk to the activity of Streptococcus agalactiae. Amer. J. Vet. Res. 13:491-499. Oct.1952. 41.8 Am3A

8745 ROEDER, G. Mit welcher genauigkeit ist der fettgehalt der milch bei der butyrometrischen bestimmung anzugeben? Molk.-Ztg. 6:1068-1069. Oct.2,1952. 44.8 M735

8746 ROEDER, G. Studien über veränderungen der milch nach dem melken. Milchwissenschaft 7:334-342. Ref. Oct.1952. 44.8 M5933
English summary.

8747 ROEDER, G. Über die auswertung der ergebnisse der reduktionsproben. Deut. Molk.-Ztg. 73:1129-1132. Ref. Sept.5,1952. 44.8 Su2

8748 ROEDER, H. Laboratorium und betrieb in der milchverarbeitung; hinweise auf eine genaue fettbestimmungsmethode für die betriebskalkulation. Deut. Molk.-Ztg. 73:1207-1208. Sept.19,1952. 44.8 Su2

8749 ROGICK, F. A., and BURGWALD, L. H. Contribution to the study of psychrophilic bacteria in milk. (In Portuguese.) Cong. Bras. de Vet. An. 5:409-422. Ref. 1950,pub.1951. 41.9 C7695A

8750 SALATI, W. Determination of the quality of rennet. II. (In Italian.) Mondo del Latte 8:482. Aug. 1952. 44.8 M74

8751 SCHOBER, R., and FRICKER, A. Eine neue methode zur bestimmung des kaliumgehalts der milch. I. Z. f. Lebensmtl.-Untersuch.u. -Forsch. 95:107-108. Aug.1952. 384 Z39

8752 SCHULZ, M. E., THOMASOW, J., and LEDER, K. H. Qualitätsbeurteilung von käse nach dem wassergehalt in der fettfreien käsemasse. Kieler Milchwirt. Forschber. 4:341-354. 1952. 44.9 K542
English summary.

8753 SHEPHERD, E. Examining ice cream. Ice Cream Indus. 30:250-251. (Concl.) Sept.1952. 389.8 Ic24
Bacteria tests.

8754 SHEPPARD, D. The importance of psychophysical errors in subjective judgements of firmness of Cheshire cheese. J. Dairy Res. 19:348-355. Ref. Oct. 1952. 44.8 J823

8755 SILVA FILHO, F. S. DA. Laboratory tests in the control of pasteurized type "A" milk. (In Portuguese.) Cong. Bras. de Vet. An.5:383-388. 1950,pub. 1951. 41.9 C7695A

8756 STONE, J. M. The action of the lecithinase of Bacillus cereus on the blobule membrane of milk fat. J. Dairy Res. 19:311-315. Ref. Oct.1952. 44.8 J823

8757 STORCK, W. Besorgnisse und überlegungen um die reducktaseprobe. Molk.-u. Käserei-Ztg. 3:1221-1222. Sept.18,1952. 44.8 M736

8758 SUBRAHMANYAN, V., SRINIVASAN, M., and RAO, V. R. B. Adulteration of ghee & its detection. J. Sci. & Indus. Res. 11A:277-282. Ref. July 1952. 475 J82

8759 TAPPI, G., and MENZIANI, E. The recognition of hydrogenates of Delphinidae oil in butter. (In Italian.) Ann. di Chim. 42:446-462. July/Sept.1952. 385 An7

8760 THALBAUER, A. Der fettgehalt der milch und seine schwankungen. II. Österr. Milchwirt. 7:265-267. Sept.21,1952. 44.8 Os72

8761 THOMAS, S. B., and others. Temperature-compensated tests for raw milk supplies. IV. Studies on a keeping quality test at 19-20°. Soc. Appl. Bact. Proc. 14: 191-199. Ref. Oct.1951,pub.Oct.1952. 448.39 So12
L. F. L. Clegg, E. J. Nokes, D. G. Griffiths, J. L. Tait, and E. Jones-Evans, joint authors.

8762 TRAMER, J. Simple and rapid methods for the estimation of bacterial phosphatases using di-sodium p-nitrophenylphosphate as substrate. J. Dairy Res. 19: 275-287. Oct.1952. 44.8 J823
From milk.

8763 VEZINA, C. Contribution à l'étude de l'influence des bacteries lactiques sur la teneur du lait en acide pantothénique. Rev. d'Oka 26:91-129. Ref. July/Aug.1952. 7 Ok1

8764 WAGENAAR, R. O., and JEZESKI, J. J. The influence of the type of diluent on the growth and survival of Pseudomonas putrefaciens. J. Dairy Sci. 35:738-754. Sept.1952. 44.8 J822
In butter.

8765 WEGELIN, E. On the proteins of milk whey. Netherlands. Dir. van de Landb. Verslagen van Landbk. Onderz. 58(3),147 p. 1952. 105.2 V61V
Chemistry.

8766 WHEATHER, D. M., HIRSCH, A., and MATTICK, A. T. R. Possible identity of 'lactobacillin' with hydrogen peroxide produced by Lactobacilli. Nature [London] 170:623-624. Oct.11,1952. 472 N21

8767 WILKOWSKE, H. H. Coliform in dairy products. South. Dairy Prod. J. 52(4):50-52. Oct.1952. 44.8 So83

Consumption and Utilization

8768 ALAYZA, G., L., and ESPINOZA C., R. D. Utilización industrial de leche descremada en elaboración de "leche achocolatada." Agronomía [Lima] 17(70): 130-134. July 1952. 9.8 Ag83

8769 CLAY, M. W. Navy interest in concentrated milk. Milk Dealer 42:56,58. Oct.1952. 44.8 M595

8770 KEUNE, O. Ursachen des hohen trinkmilch-verbrauchs in den USA. Übersicht 3(9):41-42. Sept. 1952. 18 Ub3

8771 SURMELIAN, L. Yogurt can increase milk consumption. Milk Dealer 41(12):108,110,112. Sept. 1952. 44.8 M595

Distribution, Marketing, and Transportation

8772 BRANDT, J. Surplus holding pools could mean greater returns than farm subsidies. Land O'Lakes News 32(7):3,11,13. Sept.1952. 44.8 L22

8773 BRINKMANN, C. H. Automatic milk vending machines. (Condensed.) Certif. Milk 27(10):11. Oct. 1952. 44.8 C33

8774 DAIRYMEN'S LEAGUE COOPERATIVE ASSOCIATION. Report to the membership. Dairymen's League News 36(21):3,16,19,21. Oct.14,1952. 44.8 D1432

8775 FONSECA, W. Regional aspects of milk marketing. (In Portuguese.) B. do Leite 6(61):15-17. July 1952. 44.8 B633
Brazil.

8776 GOUNDAR, C. N. N. The Coimbatore Co-op. Milk Supply Union. Madras J. Co-op. 44:116-118. Aug. 1952. 280.28 M26

8777 HANSEN, R. Effective and inexpensive publicity for Danish dairy products. (In Danish.) Nord. Mejeri-Tidsskr. 18:124-125. Aug.1952. 44.8 N752

8778 HÖNL, V. Hebung des trinkmilchverbrauchs nach wie vor erforderlich. Deut. Molk.-Ztg. 73:1075-1076. Aug.22,1952. 44.8 Su2

8779 JUPIN, R. L. La vente des produits laiters. Indus. Lait. (n.s.)71:177-179. Aug.1952. 44.8 In2

8780 KOCH, G. Milchgaststätten im gebiet der Milchwirtschaftlichen Arbeitsgemeinschaft Hannover-Braunschweig. Deut. Molk.-Ztg. 73:1208-1209. Sept.19, 1952. 44.8 Su2

8781 MASSIÈRE, A. A. Considerations on the agreement under study between butter factories. (In Portuguese.) B. do Leite 6(62):9-11. Aug.1952. 44.8 B633
Marketing problems in Brazil.

8782 METZDORF, H. J. Zur dynamik des buttermarktes. Agrarwirtschaft 1:244-246. Sept.1952. 281.8 Ag826
Germany.

8783 THE MILK man and the public; Oregon's dairy industry has been hurriedly collecting funds for a public relations program. Farm Mangt. 1(6):53-56. Sept./Oct. 1952. 281.8 F2225

8784 NEW ZEALAND CO-OPERATIVE DAIRY CO. Thirty-third annual report and balance sheet, 31st May, 1952. Hamilton,1952. unpaged. 44.9 N488

8785 NICHOLSON, D. R. Canadian co-op safeguards dairymen. News Farmer Coop. 19(5):8-10. Aug.1952. 166.2 N47
The Fraser Valley Milk Producers Association.

8786 PHILLIPS, J. G. The Bay of Islands Co-operative Dairy Company Ltd.; a brief history of the establishment and development of the co-operative dairy industry in the Bay of Islands, 1901-1951. Auckland,1952. 16 p. 280.2449 B34B

8787 RIBEIRO, J. A. Supplying of milk to Curitiba. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C. C. P. L. 5:211-212. July 1952. 44.8 B634

8788 RIBEIRO, J. A. Supplying of milk to Maceio. (In Portuguese.) Coop. Cent. das Prod. de Leite B. da C. C. P. L. 5:235-236. Aug.1952. 44.8 B634

8789 RICHARDS, O. M. ADA advertising spreads goodness of dairy foods. Cherry-Burrell Circle 37 (9/10):23-24,30. Sept./Oct.1952. 44.8 C42

8790 STADLIN, E. The Geneva Dairy Union; an example of inter-co-operative relations. Rev. Internatl. Coop. 45:175-178. Aug./Sept.1952. 280.28 In8B

8791 TWOMEY, T. P. J. Disposal of New Zealand's surplus milk. Dairyman 69:589,591,593,595. Oct.1952. 44.8 D1426

8792 WIGGINS, F. A. Changing markets of dairy and poultry products. Agr. Inst. Rev. 7(5):31-32,34. Sept.1952. 7 Ag8

8793 WILD. Kartellgesetz und milchwirtschaft. Deut. Molk.-Ztg. 73:1034-1035. Aug.14,1952. 44.8 Su2

Grading, Inspection, Standardization, and Quality

8794 AGENJO, C. Recherches sur les intoxications dues à des fromages. Lait 32:369-374. Ref. July/Aug. 1952. 44.8 L143

8795 AURAND, L. W., and MOORE, J. L. No easy remedy for wild onion flavor in milk. Res. & Farming [N. C. Sta.] Prog. Rpt. 10:5. Summer 1951. 100 N81R

8796 BAGNALL, H. H. This graph shows why Birmingham's milk is getting poorer. Dairy Farmer [Ipswich] 25(10):18. Oct.1952. 44.8 D1414

8797 CENTRE NATIONAL DE COORDINATION DES ÉTUDES ET RECHERCHES SUR LA NUTRITION ET L'ALIMENTATION. Action des antibiotiques présents dans le lait ou la crème sur la qualité des fromages et du beurre. Rev. de Méd. Vét. [Toulouse] 103:174-177. Mar. 1952. 41.8 R32

8798 DICKSON, J. T. Butter flavours. Austral. Dairy Rev. 20(8):10-12. Aug.1,1952. 44.8 Au73

8799 ELY, R. E., and others. The effect of various dosage levels of crystalline lindane on the concentration of lindane in cow's milk. J. Dairy Sci. 35:733-737. Sept. 1952. 44.8 J822
L. A. Moore, H. D. Mann, and R. H. Carter, joint authors.

8800 GABEL, W. Wünschenswerte änderungen des referenten-entwurfs für die neue speiseeis-verordnung. Zucker- u. Süsswaren-Wirt. 5:515-521. July 5,1952. 286.86 Z8

8801 LESCHOT, M., and JANOWSKI, M. L'achat du lait au degré de propreté bactériologique. Opinion Écon. et Financ. 5(11):75-77. Mar.1952. 44 Op3
France.

8802 LEVITAN, M. Milk evaluation by butterfat outdated. (Condensed.) Butter-fat 30(8):4-5. Nov.1952. 44.8 B98

8803 LOPES, C. F. Observations on the factors of failure and recontamination of pasteurized milk. (In Portuguese.) Cong. Bras. de Vet. An. 5:389-408. Ref. 1950, pub.1951. 41.9 C7695A
English summary.

8804 MAXEY, R. B. Easy method for standardizing milk for cheesemaking. Butter, Cheese & Milk Prod. J. 43(10):33-34,36. Oct.1952. 286.85 B98Bu

8805 MOHLER, H. Uperisation der milch. Chimia 6:212-217. Sept.15,1952. 385 C444

8806 OZAWA, Y., FUJINUMA, I., and KONDO, S. On the quality of market butters in recent Japan. I-II. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:9-15,17-27. July 1952. 49.9 C434
I, by Y. Ozawa and I. Fujinuma; II, by Y. Ozawa and S. Konde.

8807 PONT, E. G. Studies on the origin of oxidized flavour in whole milk. J. Dairy Res. 19:316-327. Ref. Oct.1952. 44.8 J823

8808 RHYNE, C. S. Municipal regulation of milk and milk products; model ordinance annotated. Washington,1952. 38 p. (National Institute of Municipal Law Officers. Report 138) 44 R343

8809 RIBEIRO, J. DE A. Problems of inspection of products of animal origin: milk and its derivatives. (In Portuguese.) Cong. Bras. de Vet. An. 5:121-133. 1950, pub.1951. 41.9 C7695A

8810 ROBB, M. J. The souring of milk. Milk Indus. 33(3):104,106. Sept.1952. 44.8 M593

8811 SAITNER, M. Ergebnis der DLG-käseprüfung 1952. Deut. Molk.-Ztg. 73:1233-1234. Sept.26,1952. 44.8 Su2

8812 SAITNER, M. Ergebnis der DLG-käseprüfung 1952. Molk.- u. Käserei-Ztg. 3:1248-1249. Sept.25,1952. 44.8 M736

8813 SPEINLE, X. Die qualitätsbezahlung der milch. Deut. Molk.-Ztg. 73:1039-1040. Aug.14,1952. 44.8 Su2

8814 STONE, M. J. The effect of temperature on the development of broken cream. J. Dairy Res. 19:302-310. Ref. Oct.1952. 44.8 J823

8815 THOMAS, S. B., and others. Further studies of the swab method for assessing the sterility of farm dairy equipment. Dairy Indus. 17:791-794. Ref. Sept. 1952. 44.8 D1427
D. G. Griffiths, E. Davies, and N. B. Bebbington, joint authors.

8816 WHITE, J. C. D., and others. The effect of pre-heating milk at 230° F. (110° C.) on the keeping quality of spray-dried whole milk. J. Dairy Res. 19: 339-347. Ref. Oct.1952. 44.8 J823
R. Waite, H. B. Hawley, J. G. Clark, and K. M. Henry, joint authors.

Packing and Packaging

8817 ESCHE, E., and KAMPLING, J. Die materialkosten von flaschenverschlüssen bei herstellung aus aluminiumband. Kieler Milchwirt. Forschber. 4:289-306. 1952. 44.9 K542
English summary.

8818 FOGG, E. III. Insulated bags, a basic sales promotion. South. Dairy Prod. J. 52(4):68-69. Oct.1952. 44.8 So83
For ice cream.

8819 HERREID, E. O., and others. Ascorbic acid and riboflavin destruction and flavor development in milk exposed to the sun in amber, clear, paper and ruby bottles. J. Dairy Sci. 35:772-778. Sept.1952. 44.8 J822
B. Ruskin, G. L. Clark, and T. B. Parks, joint authors.

8820 LEHNERT, L. H. Die beanspruchung einer sterilmilchflasche. Molk.- u. Käserei-Ztg. 3:1023-1025. Aug.21,1952. 44.8 M736

8821 LING, E. R. Milk and milk products. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:799-807. Ref. 1951. 382 M31R

8822 PERRY, E. J. Bulk tanks replacing 10-gallon milk cans. N. J. Farm & Gard. 23(10):23,71. Oct.1952. 6 G162

8823 WOLFRUM, O. Buttertransportkisten aus hartaluminium. Österr. Milchwirt. 7:232-234. Aug.21,1952. 44.8 Os72

8824 ZURECK, F. Das berliner milchproblem unter besonderer berücksichtigung der reinigung und desinfektion der milchtransporttanks. Molk.-Ztg. 6: 887-889. Aug.21,1952. 44.8 M735

Prices, Price Control, and Rationing

8825 DAWE, C. V. Market price or cost of production. Ontario Milk Prod. 28:83. Sept.1952. 44.8 On8

8826 PARSONS, P. S., and others. The New England basic class 1 milk price. Mass. U. Agr. Ext. Spec. C.201, 15 p. Sept.1952. 275.29 M38ISc
W. F. Henry, R. E. Underwood, T. M. Adams, E. W. Bell, and J. D. Lee, joint authors.

8827 SCHILL, L. Der kampf um den butter- und kartoffelpreis. Bauern-Ztg. 5(38):1-2,11. Sept.19,1952. 18 B324
Germany.

8828 SCHULTZ, F. H. Pricing your product. Milkman, Sept./Oct.1952:1. 44.8 M5962

8829 SUTER, C. Georgia Milk Control Board's stormy 15 years. Amer. Milk Rev. 14(10):50-51. Oct.1952. 44.8 Am38
Price control.

8830 VESELY, L. The price of skim milk. (In Italian.) Latte 26:411. Sept.1952. 44.8 L35
Italy.

8831 WILD. Betreff: preise für butter und Emmentalerkäse. Deut. Molk.-Ztg. 73:1234-1236. Sept.26,1952. 44.8 Su2

Processing and Storage

8832 ALTENRIED, K. Die nachgärung bei Emmentalerkäse. Deut. Molk.-Ztg. 73:1038-1039. Aug.14,1952. 44.8 Su2

8833 APARICIO LÓPEZ, D. Die milchverarbeitung in Spanien. Deut. Molk.-Ztg. 73:1160-1162. Sept.12, 1952. 44.8 Su2

8834 BARKAN, S. M. Ways of increasing the output of cheese. (In Russian.) Vsesoiuzn. Nauch.-Issled. Inst. Syrodel'noi Promysh. Trudy 1:5-86. Ref. 1951. 44.9 V96

8835 BEAU, M. Production industrielle de lait stérilisé. Indus. Lait. (n.s.)71:163-172. Aug.1952. 44.8 In2

8836 BERG, J. C. T. VAN DEN. Die herstellung von Fritz-butter mit einem wassergehalt unter 16%. Molk.-Käserei-Ztg. 3:1052-1053. Aug.28,1952. 44.8 M736

8837 BERRIDGE, N. J. An improved method of observing the clotting of milk containing rennin. J. Dairy Res. 19:328-329. Oct.1952. 44.8 J823

8838 BOGDANOV, V. M. On the tie between science and industry. (In Russian.) Mikrobiologiîa 21:455-457. July/Aug.1952. 448.3 M582
Accomplishments of the All-Union Scientific-Research Institute of the Dairy Industry.

8839 BRADFORD, E. A. M. Modern developments in milk processing in Italy. Dairy Indus. 17:795-797. Sept.1952. 44.8 D1427

8840 BUONOMINI, G., and PINCUS, C. E. S. Milk sanitation in Italy. (In Italian.) Latte 26:423-424. Sept. 1952. 44.8 L35

8841 CARBONE, E. The Lodi Cheese Research Institute in 1951. (In Italian.) Latte 26:429-430,433-434. Sept.1952. 44.8 L35

8842 CHAMORRO, E. Técnica de la homogeneización en la fabricación de las leches condensadas y desecadas. Indus. Lech. 34:357-359. (Concl.) Ref. July 1952. 44.8 In26

8843 COSSETTE, R. Comment produire un bon lait sur la ferme. Foyer Rur. [Montreal] 11(9/10):6,10. July/Aug.1952. 7 F83

8844 DAIRY RESEARCH INSTITUTE (N. Z.). Twenty-third annual report 1950/51. Palmerston North, 1951. 24 p. 44.9 D146A

8845 DOAN, F. J. Frozen concentrated milk. Food Technol. 6:402-404. Ref. Oct.1952. 389.8 F7398

8846 FRIEDEL, G. Das handwerkliche bei der Camembert-herstellung. Deut. Molk.-Ztg. 73:1040-1042. (Concl.) Aug.14,1952. 44.8 Su2

8847 GÉNIN, G. La séparation des protéines du petit-lait par la lignine des liqueurs sulfitiques résiduaires de papeterie. Lait 32:454-459. July/Aug.1952. 44.8 L143

8848 GRAEFE, G. Amerikanische erfahrungen auf dem speiseeis-gebiet. Zucker- u. Süsswaren-Wirt. 5: 593-595. Aug.5,1952. 286.86 Z8
Quality and ingredients.

8849 GRANATA, G. Treatment and utilization of cream. (In Italian.) Latte 26:419-420,424. Sept.1952. 44.8 L35

8850 GROSCHE, C. A., LUCAS, H. L., and SPECK, M. L. Pasteurization requirements for concentrated whole milk. J. Dairy Sci. 35:793-799. Sept.1952. 44.8 J822

8851 GRUNDMANN, H. G. Camembert-käse. Molk.- u. Käserei-Ztg. 3:1246-1247. (Cont.) Sept.25, 1952. 44.8 M736
Manufacture.

8852 HANSEN, R. A branch grew on the Danish creamery industry. The Association Danish Cream-Ice is 25 years old. (In Danish.) Nord. Mejeri-Tidsskr. 18:130-133. Aug.1952. 44.8 N752

8853 HANSEN, R. Notes on the history of processed cheese and cheese factories in the Scandinavian countries. (In Danish.) Nord. Mejeri-Tidsskr. 18:104-107. 1952. 44.8 N752

8854 HAYN, W. Sachgemässe milchgewinnung und -behandlung—die grundlage milchwirtschaftlicher leistungssteigerung. Deut. Molk.-Ztg. 73(35):inside front cover. Aug.29,1952. 44.8 Su2

8855 HOFER, F. Uber die grundvoraussetzungen der verarbeitung von milch zu Emmentalerkäse. Deut. Molk.-Ztg. 73(33):inside front cover. Aug.14,1952. 44.8 Su2

8856 HOLM, G. E. Research the key to progress. Certif. Milk 27(9):11. Sept.1952. 44.8 C33

8857 HÜTTIG, C., and SCHRÖDER, H. Das neue milchfilter "Reduktase-Favorit." Molk.-Ztg. 6:976. Sept.11,1952. 44.8 M735

8858 JACOBS, M. B. Chocolate dairy beverage powders. Amer. Perfumer & Essential Oil Rev. 60: 291-292. Oct.1952. 308.8 Am3

8859 JOSEPHSON, D. V. Newer developments in dairy food research. Milk Plant Mon. 41(10):42-44. Oct.1952. 44.8 C864

8860 KAY, H. D. El Instituto Nacional de Investigaciones en la Industria Lechera de Shinfield, Reading. Indus. Lech. 34:372-377. (Cont.) July 1952. 44.8 In26

8861 KAY, H. D. El Instituto Nacional de Investigaciones en la Industria Lechera de Shinfield, Reading. Indus. Lech. 34:408,410,412. (Concl.) Aug.1952. 44.8 In26

8862 KEESTRA, F. Control of mold on butter packed in vats. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:581-582. Sept.17,1952. 44.9 AL3

8863 KIDSON, A. L. Ice cream manufacture in Australia. Dairyman 69:518-519,521. Sept.1952. 44.8 D1426

8864 KIEFERLE, F. The manufacture of processed cheese. (In Danish.) Nord. Mejeri-Tidsskr. 18:108-115. 1952. 44.8 N752

8865 KIERKEGAARD, A. K. The manufacture of processed cheese has grown into an industry. (In Danish.) Nord. Mejeri-Tidsskr. 18:102-103. 1952. 44.8 N752

8866 KREIDER, H. H. Yogurt-Turkish style. Foreign Agr. 16:165-167. Sept.1952. 1.9 Ec7For

8867 LACOURCIÈRE, H. Bonne beurrerie et bon beurrier. Québec Lait. 11(8):32,34-35. Aug.1952. 44.8 Q3

8868 LEMBKE, A., and others. Bericht über die vollprüfung eines kalotten-plattenerhitzers in schaltung als kurzzeiterhitzer. Kieler Milchwirt. Forschber. 4: 395-420. 1952. 44.9 K542
M. Seelemann, W. Mohr, M. E. Schulz, K. Plock, and G. Wälzholz, joint authors.
English summary.

8869 LEMBKE, A., KAUFMANN, W., and LAGONI, H. Über mikrobielle korrosionen an metallen. Kieler Milchwirt. Forschber. 4:355-360. 1952. 44.9 K542
English summary.

8870 LIDOVE, P. Centre d'experimentation et de vulgarisation. Tech. Lait. 8(112/113):15-16. Sept. 1952. 44.8 Of2
At the École d'Aurillac.

8871 LIPATOV, N. N. Method of skimming milk. (In Russian.) Sotsialist. Zhivotnovod. 14(4):79-80. Apr. 1952. 49 So71

8872 LIST, W. H., JR. No opinions—just facts. Ice Cream Trade J. 48(9):53,212-217. Sept.1952. 389.8 Ic2
On frozen desserts.

8873 MAINZER, I. H. Die anzustrebenden massnahmen zur verbesserung der milchhygiene in den erzeugerbetrieben. Deut. Landwirt. 3:543-546. Oct. 1952. 18 D4822
Russian Zone.

8874 MATALLANA VENTURA, S. La salazon de los quesos. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 10-52 H,11 p. May 1952. 15 H68

8875 MENGEBIER, H. Reinigung und desinfektion in der käserei. Molk.-Ztg. 6:1044. Sept.25,1952. 44.8 M735

8876 OLDENBURG. Die sorge um die milchqualität. Zentgenossensch. des Deut. Milchhandels. Mitt. 8:54-55. (Cont.) In Deut. Milchhandels-Ztg. 74(40). Oct.2,1952. 44.8 D48
Sanitation.

8877 OZAWA, Y. Studies on antioxidants for butters. (In Japanese.) Natl. Inst. Agr. Sci. B, Ser. G: Anim. Husb. 4:29-39. Ref. July 1952. 49.9 C434
English summary and tables.

8878 PACI, C. The use of supersonics in the sterilization of milk. (In Italian.) Mondo del Latte 7: 409,411,413-414. July 1952. 44.8 M74

8879 PARK, W. J. Home cheesemaking in Victoria. Victoria. Dept. Agr. J. 50:345-351. Aug.1952. 23 V66J

8880 PLOCK, K., and LANG, R. Bericht über die entwicklungsprüfung des fallbügel-temperaturschreibgerätes der firma Siemens & Halske A. G., Wernerwerk für Messtechnik, Karlsruhe, bezüglich seiner brauchbarkeit für milcherhitzungseinrichtungen. Kieler Milchwirt. Forschber. 4:307-316. 1952. 44.9 K542
English summary.

8881 POSTHUMUS, G. Observaciones sobre la pasteurización de la leche o la crema. Indus. Lech. 34: 425-427. Aug.1952. 44.8 In26

8882 PRADO, E. Descubrimiento sueco en la producción de mantequilla. Campo [Tacuba] (ser.2)20 (725):87,90. July 31,1952. 8 C157

8883 PROGRESS in canned fresh milk. Food Engin. 24(11):90-92. Nov.1952. 389.8 F737

8884 QUADRI, P. Towards proper manufacture of butter. (In Italian.) Latte 26:369-370. Aug.1952. 44.8 L35

8885 REID, A. W. Sterilised milk. Dairyman 69: 579-581,585. Oct.1952. 44.8 D1426

8886 RENZ, F. Die milch und ihre verwertung. Frankfurt am Main,Mushake,1951? 82 p. (Europäische Wirtschaft in Einzeldarstellungen) 44 R294
Dairy products manufacture.

8887 RIBEIRO, J. A. Fabricação de queijos [Cheese manufacture]. Rio de Janeiro,Ministério da Agricultura, Serviço de Informação Agrícola,1951. 219 p. (S. I. A. 773) 44 R35

8888 SACCO, P. A serious disease of cattle which injures cheese production. (In Italian.) Cam.di Com. Indus. e Agr. di Milano. Studi e Statis. 5(7):17-20. July 1952. 280.9 M587B
Mastitis.

8889 SCHNEEBERGER, A. Die bergkäserei als problem der alpenländischen milchwirtschaft. Österr. Milchwirt. 7:229-230. Aug.21,1952. 44.8 Os72

8890 SEELEMANN, M. Reinigung und desinfektion bei der milchgewinnung beim hand- und maschinenmelken. Landwirt. Z. der Nord-Rheinprov. 119:1002-1003. Sept. 13,1952. 18 L2344

8891 SEKHAR, C. V. C. Pasteurisation of milk. Indian Dairyman 4:11-13,16. July 1952. 44.8 In282

8892 SKELTON, F. M. In-place cleaning of dairy equipment. Ice Cream Field 60(4):30,32-34,36,38-39. Oct.1952. 389.8 Ic23

8893 SMILLIE, D. M. Churning difficulties. West Scot. Agr. Col. Adv. L. 22,4 p. 1952? 103 W52Ad

8894 SOIKE, K. F., MILLER, D. D., and ELLIKER, P. R. Effect of pH of solution on germicidal activity of quaternary ammonium compounds. J. Dairy Sci. 35:764-771. Ref. Sept.1952. 44.8 J822
Dairy sanitation.

8895 STAFFORD, J. G. W. Stilton cheese. (In Danish.) Nord. Mejeri-Tidsskr. 18:128-129. Aug.1952. 44.8 N752
Manufacture.

8896 STORCK, W. Einige betrachtungen über konservieren in der schmelzkäse-industrie. Deut. Molk.-Ztg. 73:1102-1104. Aug.29,1952. 44.8 Su2

8897 THIEULIN, G. Pour la pasteurisation du lait et son contrôle. Lait 32:384-395. July/Aug.1952. 44.8 L143

8898 THOM, E. National trend in the bulk tank system of handling farm milk. Milk Dealer 42:42,63-64, 66. Oct.1952. 44.8 M595

8899 THOMSEN, H. Sterilmilch.V. Molk.-Ztg. 6:911-913. Aug.28,1952. 44.8 M735
Homogenization equipment.

8900 TĬŪTĬŪNNIKOV, B. N. On reprocessing rancid butter oil. (In Russian.) Masl.-Zhir. Promysh. 17(3):16-18. Mar.1952. 307.8 M37

8901 TWOMEY, T. P. J. New Zealand's ice cream industry. Dairy Indus. 17:818-820,825. Sept.1952. 44.8 D1427

8902 WARMING, L. Precision and uniformity are privileged claims by the processed-cheese manufacture. (In Danish.) Nord. Mejeri-Tidsskr. 18:117-118. 1952. 44.8 N752

8903 WEYL. Milchhygiene in gebieten mit milchlieferungen an die USA-armee im lande Niedersachsen. Milk.-Ztg. 6:1015-1016. (Cont.) Sept.18,1952. 44.8 M735

8904 WEYL. Milchhygiene in gebieten mit milchlieferungen an die USA-armee im lande Niedersachsen. Molk.-Ztg. 6:1040-1042. (Cont.) Sept.25,1952. 44.8 M735

8905 WILCKE, E. Über homogenisiermaschinen. IV. Die homogenisiermaschine im milchverarbeitenden betrieb). Molk.- u. Käserei-Ztg. 3:1020-1023. Aug.21, 1952. 44.8 M736

8906 WILDASIN, H. L., and DOWD, L. R. Die herstellung von buttermilch in den USA. Molk.-Käserei-Ztg. 3:1049-1051. Aug.28,1952. 44.8 M736

8907 WILEMAN, R. H., and ROGERS, G. M. Not all milk cools alike. Unico Preview 7(9):2-3. Sept.1952. 280.28 Un34

8908 ZEILER, K. Neue erkenntnisse über milchbearbeitung und -verarbeitung. Molk.- u. Käserei-Ztg. 3:1216-1220. Sept.18,1952. 44.8 M736

Statistics

8909 CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California dairy industry statistics for 1951; manufactured dairy products, milk production, utilization, and prices. Calif. Dept. Agr. Spec. P. 245, 72 p. 1952. 2 C121S

8910 MUSGER, K. Milcherzeugung und -verwendung im jahre 1950. Österr. Milchwirt. 7:261-264. Sept. 21,1952. 44.8 Os72
Statistics of dairy products.

FEED AND FORAGE CROPS

8911 AGREN, G. Microbiological determinations of amino acids in foodstuffs. III. Acta Chem. Scand. 6:608-609. 1952. 385 Ac82
Feed.

8912 ANDERSSON, A. The production and use of certain special fodders during the period 1st July 1951—30th June 1952. (In Swedish.) Jordbrekon. Meddel. 14: 370-376. Sept.1952. 257.3 J76
English summary, p.352.

8913 ARAUJO, O. B. DE. Differences and similarities in feeds. (In Portuguese.) Granja [Porto Alegre] 8(63):44-45. June 1952. 9.2 G76
Composition.

8914 ARAUJO, O. B. DE. Differences and similarities in feeds. (In Portuguese.) Lav. e Criação 13(6):32-33. June 1952. 49 L392
Composition.

8915 BACKHOFF, A. Short-time conservation. (In Swedish.) Våra Pälsdjur 9:219-220. Aug.15,1952. 410 V42
Meat and fish for fur animals.

8916 BAKER, G. L., and JOHNSON, L. H. Qualitative detection of urea in commercial livestock feeds. Analyt. Chem. 24:1625-1626. Oct.1952. 381 J825A

8917 BECKMANN, S., and VOIGT, E. Die bestimmung von carotin und vitamin A in futtermitteln. Landwirt. Forsch. 4:146-153. 1952. 18 L2333

8918 BETHKE, R. M. Problems in wake of progress. Feed Bag 28(9):23,86. Sept.1952. 389.78 F32

8919 BRINEGAR, T. Introducing a new product. Feed Age 2(9):40-41. Sept.1952. 389.78 F327
Market analysis for new feed product.

8920 BURGOS, C. X. Livestock and poultry feeds from local materials. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.301-324. Manila,Graphic House,1952. 37 P533

8921 BURNS, L. V. Sampling—the key to quality control. Feed Age 2(9):20-23. Sept.1952. 389.78 F327
Sampling of raw material in feed industry.

8922 BURRELL, J. H. The feed business and its importance to agriculture. Feed Age 2(11):44,54-55. Nov.1952. 389.78 F327

8923 COOLEY, M. L. Quality control in feed manufacturing. Feedstuffs 24(42):32,49-51. Oct.18,1952. 286.81 F322

8924 CUNNINGHAM, A. How's fishing? and it's effect on the fishmeal industry. Canad. Milling & Feed 33(8):15,26. Aug.1952. 298.8 C162

8925 CUNNINGHAM, L. C. The supply outlook in the feed industry. Grain & Feed J. Consolidated 109 (7):27-28. Oct.8,1952. 298.8 G762

8926 DODD, C. H. Forrajes en comprimidos. Hacienda 47(10):46-47,76. Oct.1952. 6 H11

8927 EFREMOVA, A. Plan for feed consumption [on Kirov Collective Farm in Shilov District, Riazan Region]. (In Russian.) Kolkhoz. Proizvodstvo 12(9):32-34. Sept.1952. 281.8 K83

8928 FULLER, E. C. Promoting and merchandising high quality feeds. Feedstuffs 24(43):30,32,34. Oct.25, 1952. 286.81 F322

8929 GOLDEN, S. M. Whither fishmeal? Fish Meal & Oil Indus. 4(9):6-10. Sept.1952. 414.8 F523

8930 HAUER, E. Futterwirtschaft und betriebserfolg. Salzburger Bauer 7(36):1-2. Sept.4,1952. 19 Sa3
Farm feed program.

8931 HIRSJARVI, V. P., and ANDERSEN, L. Über die rohfaserbestimmung. Z. f. Analyt. Chem. 136:177-185. 1952. 384 Z3
In feed.

8932 HVIDSTEN, L. Storage of feed potatoes. (In Norwegian.) Norsk Landbr. 18:344-345. Sept.26,1952. 11 N8122

8933 KARON, M. L., ADAMS, M. E., and NEWMAN, S. The effect of temperature on the electrophoretic analysis of cottonseed meal extracts. J. Colloid Sci. 7:407-413. Ref. Aug.1952. 381 J828

8934 KISHLAR, L. Net profits. Fish Meal & Oil Indus. 4(8):5,13-14. Aug.1952. 414.8 F523
The fish meal industry.

8935 KOLOUSEK, J., and COULSON, C. B. A biochemical study and evaluation of the hays of certain green fodders on the basis of classical analyses and amino acid quality. (In Czech.) Ceskoslov. Akad. Zemédel. Sborn. 25:163-180. Ref. Mar.1952. 19.5 C332C
English summary.

8936 KOZ'MENKO, V. Problems of livestock raising state farms in developing a stable feed supply base. (In Russian.) Miasnafa Indus. SSSR. 23(1):69-73. Jan./Feb.1952. 50.8 M58

8937 KUMMER, H., and POLHEIM, P. VON. Wertbeurteilung und qualität der luzerneheumehle und luzernegrünmehle. Württemb. Wchnbl. f. Landwirt. 119:872. (Concl.) Sept.27,1952. 18 W96

8938 LAIDLAW, R. A., and WYLAM, C. B. Analytical studies on the carbohydrates of grasses and clovers. II. The preparation of grass samples for analysis. J. Sci. Food & Agr. 3:494-496. Oct.1952. 382 So12

8939 LECRONIER, J. L'industrie des aliments du bétail en France. Opinion Écon. et Financ. 5(11):58-59. Mar.1952. 44 Op3

8940 LEOPOLD, R. Osterreichs futtermittelversorgung im wirtschaftsjahr 1952/53. Kärntner Bauer 102:463-464. Aug.15,1952. 19 K14

8941 MAKAROV, A. P. Problems in organizing the feed supply base of Karakul sheep raising state farms in the South of Kazakhstan. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):27-28. Nov./Dec.1951. 49 K14

8942 MOON, F. E., and ABOU-RAYA, A. K. The lignin fraction of animal feeding-stuffs. I-II. J. Sci. Food & Agr. 3:399-418. Ref. Sept.1952. 382 So12
I, Preliminary examination of lignin determination procedures; II, Investigation of lignin determination procedures and development of a method for 'acid-insoluble lignin.'

8943 MORSE, T. D. What's your best feed buy? Farm J. 76(10):39,168-169. Oct.1952. 6 F2212
Feed prices.

8944 MURATOV, D. G. We shall increase considerably the productivity of forage crops and the natural fodder producing lands [meadows and pastures]. (In Russian.) Sovet. Zootekh. 7(4):3-9. Apr.1952. 49 So822

8945 MURRAY, P. C. Feed production is a man-size job. Feed Age 2(10):28-30. Oct.1952. 389.78 F327

8946 NEHRING, K. Die wasserbestimmung in futtermitteln. Landwirt. Forsch. 3:217-224. 1952. 18 L2333

8947 NELSON, J. W. Quality control in feed technology. Amer. Assoc. Cereal Chem. Trans. 10:199-202. Oct.1952. 59.9 Am3T

8948 NEW MEXICO FEED & FERTILIZER CONTROL OFF. Twenty-second and twenty-third annual report, fiscal year ending June 30, 1952; commercial feeding stuffs by R. W. Ludwick and L. T. Elliott. State College,1952. 102 p. 389.79 N46

8949 PENNSYLVANIA. DEPT. OF AGRICULTURE. Feeding stuffs report for the year 1951. Pa. Dept. Agr. B. 35(4),30 p. July/Aug.1952. 2 P38B
Analyses.

8950 PÉRUCHON DE BROCHARD, J. Nouvelle table de composition chimique des aliments, précédée d'une étude sur les méthodes de calcul des formules alimentaires d'après les données internationales et les statistiques du B.N.A. Ed. 4, rev. and enl. Marseille, 1952. 32 p. 389.7 P43

8951 QUACKENBUSH, F. W., and others. Inspection of commercial feeding stuffs. Ind. Agr. Expt. Sta. C. 384,68 p. Apr.1952. 100 In2P

8952 QUACKENBUSH, F. W. Progress in regulatory work. Feedstuffs 24(46):32-33. Nov.15,1952. 286.81 F322

8953 ROESLER, E. H. Feed control officials look ahead. Feed Bag 28(10):19,21,23. Oct.1952. 389.78 F32

8954 SCHARPENSEEL, H. W. Kritische beobachtungen zur notwendigkeit der ligninbestimmung bei der berechnung des produktionswertes der rauhfuttermittel. Landwirt. Forsch. 4:205-210. 1952. 18 L2333

8955 SIEVERT, C. W. Control men assist feed industry. Feed Bag 28(10):11,99. Oct.1952. 389.78 F32

8956 SIEVERT, C. W. The feed consultant and the control official. Feedstuffs 24(46):44-46. Nov.15,1952. 286.81 F322

8957 STILES, H. R. Manufactured ingredients for formula feeds. Feedstuffs 24(44):36-38,40. Nov.1, 1952. 286.81 F322

8958 THOMPSON, C. R., and MACLAY, W. D. Xanthophylls. Feed Age 2(10):22-25,38. Oct.1952. 389.78 F327
In feed.

8959 VALDINOCI, M. Revival of activity in the feed industry. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(87):6-7. Oct.15,1952. 281.8 Ag3

8960 VAN ALLSBURG, E. J. 42nd annual convention of the Association of American Feed Control Officials, Inc. Feed Age 2(11):33-34. Nov.1952. 389.78 F327

8961 WOOD, A. J. New Canadian process makes screenings safe for feed. West. Feed & Seed 7(9):27-28, 38. Sept.1952. 389.78 W52

FIBERS AND TEXTILES

8962 AGUILO, J. El algodón en Marruecos. Textil (ser.2)105:51-52. July/Aug.1952. 304.8 T3137
The industry.

8963 ALBANESE, F. Effects of the wool pool on Italian sheep production. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(84):1-2. Oct.4,1952. 281.8 Ag3

8964 ALBANESE, F. Situation and prospects of Sicilian cotton production. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(75):5-6. Sept.3,1952. 281.8 Ag3

8965 ALEXANDER, P. Regenerated protein fibres from keratin—II. Textile Indus. & Fibres 13:286-289. Sept.1952. 304.8 F16

8966 ALZINA CAULES, J. Acerca de la industria textil española. Trab. Nac. 1595:769-772. July 1952. 280.8 T672

8967 AOYAGI, K. What is the price stabilization law? Silk Digest 64:3-7. Dec.1951/Jan.1952. 304.8 Si33
Silk price control in Japan.

8968 APOSTOL, J. C. The need for standardized grading of fibers. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.369-372. Manila,Graphic House, 1952. 37 P533

8969 ATKINSON, D. R. Can cotton hold its own? Empire Cotton Growing Rev. 29:258-268. Oct.1952. 72.8 Em7

8970 BALAN, A. Knotty questions of planning and utilization of production capacities of cotton [processing] plants. (In Russian.) Khlopkovodstvo 7:70-73. July 1952. 72.8 K522

8971 BALLAM, H. The story of a thread of cotton. Harmondsworth,1952? 23 p. 304 B21

8972 BANCROFT, E. C., CROOK, W. H., and KESSLER, W. C. Textiles, a dynamic industry. Hamilton,N.Y.,Colgate U.,1951. various pagings. Ref. 304 B222

8973 BARKER, H. D. Relationship between cotton variety and mercerizing value. Cotton Res. Clinic 3: 13-14. 1952. 72.9 N215

8974 BARNABE, N. Considerations sur les mélanges de fibrannes viscose de titres différents entre elles et avec d'autres fibres. Rayonne et Fibres Synthetiques 8(9):9-11,13,15-17. Sept.15,1952. 304.8 R214

8975 BECKER DE ARLANDIS, I. El algodón de Egipto y el momento internacional. Textil (ser.2)98:28-31. Feb.1952. 304.8 T3137

8976 BECKER DE ARLANDIS, I. Economía algodonera del Brasil. Textil (ser.2)100:14-16. Apr.1952. 304.8 T3137

8977 BECKER DE ARLANDIS, I. Grecia desarrolla su industria lanera. Textil (ser.2)99:22-25. Mar.1952. 304.8 T3137

8978 BECKER DE ARLANDIS, I. La industria lanera en Libia. Textil (ser.2)101:23-26,52. May 1952. 304.8 T3137

8979 BELIAEV, N. Experiences of leading cotton [processing] plants in preventing the loss of raw cotton. (In Russian.) Khlopkovodstvo 7:73-75. July 1952. 72.8 K522

8980 BENTLEY, E. A. Practical application of research. Cotton Res. Clinic 3:48-53. 1952. 72.9 N215
Cotton processing.

8981 BETTS, R. E. The green card pays off. Mktg. Activ. 15(8):13-16. Aug.1952. 1.942 A8M34
Cotton classification and the market news service provided by the Smith-Doxey Act.

8982 BEUSEKOM, J. C. VAN. The Netherlands rayon industry. Pakistan Econ. & Com. 1:217-220. Apr. 1952. 280.8 P175

8983 BIRKETT, B. The textile industry. Foreign Trade 12(301):13-15. Oct.4,1952. 286.8 C162
Union of South Africa.

8984 BOSE, S. S. Working of "staple-fibres" on cotton spinning machineries. In Textile Association. Souvenir, the 9th All Textile Conference, p.101-105. Baroda,1952. 304 T3192

8985 BOTTOMLEY, C. M. Worsted spinning. Textile Mercury & Argus 127:609,611. Oct.3,1952. 304.8 T318
Equipment.

8986 BOYCE, E. A. W. Cotton textile converting plant problems. Canad. Textile J. 69(22):65-68,73-74. Oct.24,1952. 304.8 C16

8987 BOYLE, J. L. Science in wool scouring. Textile Mercury & Argus 127:473,475,477. Sept.12,1952. 304.8 T318

8988 BRASSEUR, P. L'avenir des fibres artificielles cellulosiques. Textielwezen 8(9):29-30. Sept. 1952. 304.8 T3147

8989 CALDERON, A. J. Necesidad y defensa de cultivo del algodón en España. Textil (ser.2)98:6-9. Feb. 1952. 304.8 T3137
The industry.

8990 CANDIDA, F. Silk's hour. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(84):6-7. Oct.4, 1952. 281.8 Ag3

8991 CARDEW, J. China's silk industry. (In Dutch.) Textielwezen 8(10):13-14. Oct.1952. 304.8 T3147

8992 CARTER, H. B. Measurements and the fleece. Past. Rev. 67:712-713. July 16,1952. 23 Au75

8993 CENTOLA, G., PANCIROLLI, F., and CERAGIOLI, G. Cooking of annual plants with lime and sulfur. (In Italian.) Indus. della Carta 6:89-95. Ref. Aug./Sept.1952. 302.8 In22
English summary.
Extraction of pulp from fiber plants.

8994 CHABRAND, A. Les possibilités des huiles minérales de pétrole dans l'ensimage de la laine et des mélanges à base de laine. Monit. Textile 14(9):135,137, 139,141,143. (Cont.) Sept.1952. 304.8 M74

8995 CHATTERJEE, H., and PAL, K. B. Rotproofing jute textiles. Textile J. Austral. 27:594-595,597-600. Ref. July 21,1952. 304.8 T3134

8996 CHIPALKATTI, V. B. Research and the cotton textile industry. In Textile Association. Souvenir, the 9th All India Textile Conference, p.95-100. Baroda, 1952. 304 T3192

8997 CHOUDHARY, P. P. Experience with first American cotton spinning plant in India. In Textile Association. Souvenir, the 9th All India Textile Conference, p.111-115. Baroda,1952. 304 T3192

8998 THE COIR yarn industry. Ceylon Trade J. 17:317-324. July 1952. 286.8 C333

8999 CONANT, R. Anthrax in the wool textile industry. Textile J. Austral. 27:548-549,570-571. July 21,1952. 304.8 T3134

9000 CRONE, R. R. Fibre blends as carpet surface yarns. Textile Mfr. 78:454. Sept.1952. 304.8 T3126

9001 CRUZ, E. E. The Philippine fiber industry. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.115-146. Ref. Manila,Graphic House,1952. 37 P533

9002 CRYER, N. Testing of textiles. So. African Indus. Chem. 6;157-162. June 1952. 385 So8

9003 DAVIS, L. G. Present situation of new synthetic fibers. (In Dutch.) Textielwezen 8(10):47-50. Oct.1952. 304.8 T3147

9004 DEAN, J. D., FLEMING, C. M., and O'CONNOR, R. T. Effects of unfiltered carbon arc light in accelerated weathering of cotton and other textiles. Textile Res. J. 22:609-616. Ref. Sept.1952. 304.8 T293

9005 DEISSENBERG, C., and DELAVEAU, M. Étude de la desincrustation des étoupes de lin et de la dégradation subie par la cellulose. Assoc. Tech. de l'Indus. Papetiere. B. 6:119-133. June 1952. 302.9 As5

9006 DE KLERK, J. C. Introduction to textile fibres. Union So. Africa. Dept. Agr. B. 252,41 p. Ref. 1952. 24 So84P

9007 DENIS, R. A. Die ramie. Melliand Textilber. 33:909-910. Ref. Oct.1952. 304.8 T312
English summary.
The industry.

9008 DESAI, B. R. Versatility of rayon staple. In Textile Association. Souvenir, the 9th All India Textile Conference, p.70-72D. Baroda,1952. 304 T3197

9009 DESAI, B. R. Viscose rayon manufacture. I. Indian Textile J. 62:720-724,752. (Cont.) Sept.1952 304.8 In2

9010 DE VRIES, H. Double refraction measurement of fibers. Textile Res. J. 22:619-620. Sept.1952. 304.8 T293

9011 DODI, R. The Italian wool textile industry. Rev. Econ. Cond. Italy 6:408-411. Sept.1952. 280.8 R3236

9012 DUJARDIN, A. From Lys retting to warm water retting. (In Dutch.) Textielwezen 8(9):25-27. Sept.1952. 304.8 T3147
Flax.

9013 DUPRE, A. M., JR. Current cotton research at the Southern Regional Research Laboratory. Cotton Res. Clinic 3:57-58. 1952. 72.9 N215

9014 DUTTA, K. K. Reckon with the factors of competition. Jute B. 15:114-116. June 1952. 73.38 In2

9015 EASLY, N. L. Looking into the Angora situation. Angora Rabbit Mag. 7(4):1. Oct./Nov.1952. 40.28 An42
Wool products.

9016 EVANS, T. F., BURTE, H. M., and WAKELIN, J. H. Problems in the variability of wool used in worsted processing. Canad. Textile J. 49(21):61-66. Oct.10,1952. 304.8 C16

9017 EVIAS. Un demi siècle d'examen rétrospectif dans l'industrie lainière. Textielwezen 8(9):125-127. Sept.1952. 304.8 T3147

9018 FELIX, R. M. A. Les fibres dures, ces inconnues! Textielwezen 8(9):19-22. Sept.1952. 304.8 T3147

9019 FERNON, B. J. Wool support prices and price ceilings in the U. S. A. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:102-104. July 1952. 281.9 Au73

9020 FONTANA TARRATS, J. M., and AMO, F. DEL. Normalización de la industria de fibras duras. De Econ. 5(sup.4):345-367. May/June 1952. 280.8 Ec7222
Spain.

9021 FOSTER, H. La laine en face de deux crises. Textielwezen 8(9):51,53,55. Sept.1952. 304.8 T3147

9022 FOURT, L. E. Prediction of cotton luster from varietal characteristics. Cotton Res. Clinic 3:15-19. 1952. 72.9 N215

9023 FRANCE. DIRECTION DE LA DOCUMENTATION. L'industrie française du jute. France. Dir. de la Doc. Notes et Études Doc. 1651,16 p. Sept.9,1952. 280.9 F843

9024 FUHRMANN, W. Dehnungsmechanik von haaren. Melliand Textilber. 33:911-915. Ref. Oct.1952. 304.8 T312
English summary.
Includes wool.

9025 GAGURIN, I. Mechanical processing of flax. (In Russian.) Kolkhoz. Proizvodstvo 12(8):46-48. Aug. 1952. 281.8 K83

9026 GARCIA DE LA VEGA, L. El precio de los tejidos de lana. Textil (ser.2)98:10-13. Feb.1952. 304.8 T3137

9027 GENERAL DRAFTING CO. Map showing cotton growing regions of the United States and Mexico. New York,McFadden,1951. map. 72 G28M

9028 GERDES, F. L. Quality evaluations and improvements to cotton. Textile Indus. 116(10):161. Oct. 1952. 304.8 C823

9029 GIBBONS, G. C., and HARLAND, W. G. Cellulose textile chemistry. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:525-545. Ref. 1951. 382 M31R

9030 GOEDECKE, O. Scientific selection of cotton and services performed by cotton merchants. Cotton Res. Clinic 3:27-28. 1952. 72.9 N215

9031 GOMES, A. On cotton. (In Portuguese.) Soc. Rur. Bras. Rev. 32(379):30. Aug.1952. 9.2 B733

9032 GRANT, J. N., MORLIER, O. W., and SCOTT, J. M. Effects of mechanical processing of cotton on the physical properties of fibers. Textile Res. J. 22:682-687. Ref. Oct.1952. 304.8 T293

9033 GRANT, J. N. Physical properties of chemically modified cottons. Cotton Res. Clinic 3:55-57. 1952. 72.9 N215

9034 GRASHE, V. Drop in cotton industry in India. (In Russian.) Khlopkovodstvo 7:76-80. July 1952. 72.8 K522

9035 GREENSPAN, A. Competition in the fibers. Natl. Indus. Conf. B. Business Rec. 9:405-407. Oct. 1952. 280.9 N216Cb

9036 HAYAKAWA, T. Raw silk industry in 1951, review and outlook. Silk Digest 64:1-2. Dec.1951/Jan. 1952. 304.8 Si33
Japan.

9037 HÉNON, R. Contribution statistique aux méthodes de classification des finesses de la laine. Soc. de Statis. de Paris. J. 93:120-133. Apr./June 1952. 260 P212J

9038 HEPNER, A. W. Cotton joins the wonder fibers. Nation's Business 40(11):27-29,86,88-89. Nov.1952. 286.8 N212

9039 HILL, D. W. Fibres old and new. (Sum.) Chem. & Indus. 39:944. Sept.27,1952. 382 M31C

9040 HILL, D. W. Fibres old and new. (Sum.) Textile Wk. 50:764,766. Sept.19,1952. 304.8 T3127

9041 HILL, R. Synthetic-polymer fibres. (Sum.) Chem. & Indus. 39:945-946. Sept.27,1952. 382 M31C

9042 HILLHOUSE, W. F. The cotton outlook. Foreign Trade 12(303):6-8. Oct.18,1952. 286.8 C162
The United States.

9043 HIRSCH, F. Über die einwirkung salpetriger säure auf wolle. Melliand Textilber. 33:941-943. Ref. Oct.1952. 304.8 T312
English summary.

9044 HOBBS, A. A. Mill applications of colloidal silica to cotton. Cotton Res. Clinic 3:40. 1952. 72.9 N215

9045 HOOD, B. G. Investigation of the frictional properties of textile fibers under variable fiber stress. Cotton Res. Clinic 3:40-44. 1952. 72.9 N215

9046 HOPKINS, S. V. The market for wool goods. V. The Federal Republic of Germany. World Wool Digest 3(20):10-12. Oct.1,1952. 304.8 W89

9047 HÜCKEL, P., and FROHLICH, H. G. Neue erkenntnisse über den chemismus der spitzenbeize von kaninhaar. Textil-Praxis 7:381-385. Ref. May 1952. 304.8 T3143

9048 HUDSON, J. Felting in Great Britain. Bedding 63(3):72,74-76,78-80,82-84. Oct.1952. 309.8 B39
Includes manufacture of cotton felting.

9049 IMPERIAL CHEMICAL INDUSTRIES. The bleaching and dyeing of "ardil" protein fibre and "ardil" fibre unions. Birmingham,1951. 14 p. (Its Technical Circular) 306 Im72BL

9050 JOHNSON, B. The inter-industry ginning-spinning test. Cotton Res. Clinic 3:58-61. 1952. 72.9 N215

9051 JONES, L. I. A cotton educational program. Washington,U. S. Ext. Serv.,1952. 7 p. 1.913 A2J722
Talk before the Cotton Research Congress, Houston, June 19, 1952.

9052 JOSHI, B. B. Yarn quality. In Textile Association. Souvenir, the 9th All India Textile Conference, p.6-14. Baroda,1952. 304 T3192

9053 KERR, T. Superior mill processing characteristics of certain new cotton varieties. Cotton Res. Clinic 3:9-13. 1952. 72.9 N215

9054 KIND, W., and VOLLENBRUCK, H. Bestimmungen des faserabbaues bei der leinengarnbleiche. Textil-Praxis 7:716-720. Sept.1952. 304.8 T3143

9055 KING, D. E., and others. The evaluation of textile sizes. Textile Res. J. 22:567-573. Sept.1952. Ref. 304.8 T293
H. A. Well, F. E. Condo, and H. A. Rutherford, joint authors.

9056 KLING, W., and MAHL, H. Zur morphologie der baumwolle. IV. Melliand Textilber. 33:829-832. Ref. Sept.9,1952. 304.8 T312
English summary.

9057 KONDRASHUK, P. Machines for processing flax fiber. (In Russian.) Kolkhoz. Proizvodstvo 12(8): 44-45. Aug.1952. 281.8 K83

9058 KREBS, G. Verspinnung, verwebung und ausrüstung von "grün-kenaf." Melliand Textilber. 33: 919-920. Oct.1952. 304.8 T312
English summary.

9059 KROESE, W. T. The cotton industry of continental Western Europe and the future of the cotton textile world market. (In Dutch.) Econ.-Statis. Ber. 37(1842, sup.),7 p. Sept.10,1952. 280.8 Ec722

9060 LEJANO, A. The prospects for Philippine abacá. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p. 357-359. Manila,Graphic House,1952. 37 P533

9061 LOCHER, H. The continental approach to textile testing. Textile Quality Control Assoc. Proc. 1951: 29-50. 304.9 T319

9062 LORD, E. Changes in the world's cotton crops, 1939-1952. III. Empire Cotton Growing Rev. 29:273-287. Oct.1952. 72.8 Em7

9063 LOVE, F. S. The development of the Southern textile industry—and why it grew. Textile B. 78(9):131-134. Sept.1952. 304.8 So82

9064 LUNA ERCILLA, C. A. Bolsas de arpillera de estopa de lino oleaginoso. Pampa Argentina 25(296): 10-11,39. Aug.1952. 9 P19

9065 LUNIAK, B. Die festigkeit der ramie. Melliand Textilber. 33:910-911. Oct.1952. 304.8 T312
English summary.

9066 MACDONALD, I. Wool from groundnuts; new crease resistant fibre. Cotton & Textiles J. 2(9):41-42. Aug.1952. 304.8 C825
Ardil.

9067 MACDONALD, I. "Wool" from groundnuts; new crease resistant fibre. Karachi Com. 4(79):9. Aug. 9,1952. 280.8 K14
Ardil.

9068 MACMILLAN, W. G., RAMASWAMY, M., and BANERJEE, B. L. A review of methods for the evaluation of regain in jute. III. The effect of moisture in processed materials. Textile Indus. & Fibres 13:297-306. Ref. Sept.1952. 304.8 F16

9069 MAHAJAN, D. K. Short processing. In Textile Association. Souvenir, the 9th All India Textile Conference, p.65-69. Baroda,1952. 304 T3192
Cotton and staple fiber.

9070 MAJUMDAR, A. K. Effect of mild alkali treatment on the acid value of jute. Jute B. 15:229-230. Aug.1952. 73.38 In2

9071 MANGUM, G. D., JR. Special report on tar spots. Cotton Res. Clinic 3:20-25. 1952. 72.9 N215

9072 MANNING, H. L. Forecasting the Uganda cotton crop. Empire Cotton Growing Rev. 29:241-257. Oct.1952. 72.8 Em7

9073 MARTH, C. T., ARTHUR, H. E., and BERKLEY, E. E. Fiber fineness (micronaire), neps in card web, and yarn appearance grades. Textile Res. J. 22:561-566. Sept.1952. 304.8 T293
Cotton.

9074 MARTIN, W. J. Mill application and use of fiber and spinning tests. Cotton Res. Clinic 3:25-27. 1952. 72.9 N215

9075 MASKETT, A. E. Seed health in relation to flax. (Sum.) Textile Wk. 50:836. Sept.26,1952. 304.8 T3127

9076 MATIGNAS, G. A. The Fiber Inspection Service. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.360-365. Manila,Graphic House,1952. 37 P533

9077 MATTHEW, J. A. Moisture absorption by fibres and its effect on fibre properties. (Sum.) Textile Wk. 50:834,836. Sept.26,1952. 304.8 T3127

9078 MAUERSBERGER, H. R. American handbook of synthetic textiles. New York,Textile Book Pub.,1952. 1216 p. Ref. 304 M44
Includes discussion of rayon and a chapter on cellulose from wood, by A. N. Parrett.

9079 MEADLEY, D. R. Seasonal pattern of receivals of wool into store. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:108-110. July 1952. 281.9 Au73
Australia.

9080 MEERSSEMAN, L. C. L'avenir de l'industrie textile. Monit. Textile 14(9):21-22. Sept.1952. 304.8 M74

9081 MERENESS, H. A. Predicting the spinnability of cotton. Cotton Res. Clinic 3:30-35. 1952. 72.9 N215

9082 MODY, R. K. An experiment on spinning from drawing frame sliver. In Textile Association. Souvenir, the 9th All India Textile Conference, p.89-94. Baroda, 1952. 304 T3192

9083 MORRIS, J. A. Woolen and worsted manufacturing in the southern Piedmont. Columbia,U. South Carolina Press,1952. 197 p. Ref. 304 M833

9084 MÜLLER, K. Die streichgarnspinnerei. Melliand Textilber. 33:832-838,915-917. (Cont.) Sept.-Oct.1952. 304.8 T312
English summary.
Wool.

9085 NAIR, M. P. G. Coir industry. In Textile Association. Souvenir, the 9th All India Textile Conference, p.136-140. Baroda,1952. 304 T3192

9086 NATIONAL ASSOCIATION OF WOOL MANUFACTURERS. Activities of the National Association of Wool Manufacturers for 1951; statistics of the industry; and other matters relating to the wool textile industry. Natl. Assoc. Wool Mfr. B. 81,383 p. 1951. 45.9 N21B

9087 NATIONAL COTTON COUNCIL OF AMERICA. UTILIZATION RESEARCH DIV. Cotton in industrial hose, by F. A. McCord and J. A. McCrossan. Memphis, 1952. 15 p. 309 N213

9088 NATIONAL COTTON COUNCIL OF AMERICA. UTILIZATION RESEARCH DIV. Cotton Research Clinic, third, Pinehurst, February 15, 16, and 17, 1952. Memphis,1952. 70 p. 72.9 N215

9089 NEW ZEALAND WOOL BOARD. Eighth annual report and statement of accounts for year ended 30th June, 1952. Wellington,1952. 36 p. 45.9 N486

9090 NIGERIA. COTTON MARKETING BOARD. Second annual report, season 1950-51. Lagos,1951. 36 p. 280.3729 N56

9091 NIKITIN, G. Calculating the wool clip. (In Russian.) Kolkhoz. Proizvodstvo 12(8):50-51. Aug.1952. 281.8 K83

9092 NORMUKHAMEDOV, A. Increase in standard size of platforms for [cotton] baling. (In Russian.) Khlopkovodstvo 4:73-74. Apr.1952. 72.8 K522

9093 OKAMURA, I. Longitudinal heterogeneity of rayon yarn. Teijin Times 22(8).5-7. Aug.1952. 304.8 T232

9094 OTTO, W. Reissspinnstoffe—reisswolle. Textil-Praxis 7:675-677. Sept.1952. 304.8 T3143

9095 PAILLET, A. Problèmes des opérations préparatoires au tissage de la rayonne. Rayonne et Fibres Synthétiques 8(9):19,21,23-24. Sept.15,1952. 304.8 R214

9096 PATTYN, J. Aspects of the changes in the flax producing industry in recent decenniums. (In Dutch.) Textielwezen 8(9):32-34. Sept.1952. 304.8 T3147

9097 PETER, J. Ueber die regenerierung natürlicher fasern. Textil-Praxis 7:721-722. Sept.1952. 304.8 T3143

9098 PFEIFFENBERGER, G. W. Problems and limitations of applying fiber technology in mill operations. Cotton Res. Clinic 3:28-30. 1952. 72.9 N215

9099 PORSCHE, G. Alimentación mejorada y desagregado preparatorio a la carda del algodón. Textil (ser.2)98:45-46. Feb.1952. 304.8 T3137

9100 POTTON, A. La place de la soie dans l'industrie textile. Textielwezen 8(9):37-40. Sept.1952. 304.8 T3147
Belgium.

9101 QURESHI, T. A. Cotton from field to the spinning mill. Cotton & Textiles J. 2(9):43-45. Aug. 1952. 304.8 C825

9102 RAMANATHAN, N. Irregularity of products of cotton spinning. In Textile Association. Souvenir, the 9th All India Textile Conference, p.121-124. Baroda, 1952. 304 T3192

9103 RAMANATHAN, N. Study of the irregularity of the products of cotton spinning. Indian Textile J. 62:734-737,755. Ref. Sept.1952. 304.8 In2

9104 RAO, K. S. Indian textile industry under present conditions. Indian Textile J. 62:738-743. Sept.1952. 304.8 In2

9105 REESE, E. T., and LEVINSON, H. S. A comparative study of the breakdown of cellulose by microorganisms. Physiol. Plant.5:345-366. Ref. 1952. 450 P564

9106 REGNERY, W. "Dangerous trend" in ginning raises mill's costs, lowers quality. Textile World 102(10):133,196,198. Oct.1952. 304.8 T315
Cotton.

9107 REIN, H. Synthetische fasern. Kunststoffe 42:316-317. Oct.1952. 309.8 K96
English summary.

9108 RHODES, F. M. Service and research activities of the Cotton Branch. Washington,U. S. Prod. & Mktg. Admin.,1952. 12 p. 1.956 A21R34
Address before the Ninth Spinner-Breeder Conference at Stoneville, Miss., Sept. 2, 1952.

9109 RIDGWAY, F. B. The future of rayon. Du Pont Mag. 46(5):32-33. Oct./Nov.1952. 309.8 D92

9110 ROGOV, P. Coefficient in the use of a fiber-separating roller and the possibility of increasing its efficiency. (In Russian.) Khlopkovodstvo 5:67-69. May 1952. 72.8 K522

9111 SAL'NIKOV, V. Simple improvements in cotton driers on collective farms. (In Russian.) Khlopkovodstvo 6:60-64. June 1952. 72.8 K522

9112 SANTOS, J. B. Has the Fiber Law accomplished its purpose? In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.366-368. Manila,Graphic House,1952. 37 P533
Grading.

9113 SARRATO CHARLES, M. El plan del abacá en la América Central. Textil (ser.2)98:32-33,35. Feb.1952. 304.8 T3137

9114 SCHULZ, G. V. Über native cellulose. (Sum.) Angew. Chem. 64:486. Sept.7,1952. 384 Z33
From fibers.

9115 SCHWAB, R. Untersuchungen über physikalische eigenschaften der wolle. Melliand Textilber. 33: 962-964. Oct.1952. 304.8 T312
English summary.

9116 SCOTT, M. J. Colloidal silica in cotton spinning. Cotton Res. Clinic 3:35-36. 1952. 72.9 N215

9117 SENS, C. L. Draft distribution to obtain roving and yarn uniformity. Cotton Res. Clinic 3:44-47. 1952. 72.9 N215

9118 SIDDIQI, A. R. New governor of E. Pakistan speaks on jute. Karachi Com. 4(85):5-7. Sept.20,1952. 280.8 K14

9119 SIMPSON, G. K. Non-cellulose textile chemistry. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:546-569. Ref. 1951. 382 M31R
Wool, silk and synthetic fibers.

9120 SIMPSON, J. Long and short term variation in sliver and roving. Textile Quality Control Assoc. Proc. 1951:19-27. 304.9 T319
Cotton.

9121 SISCO, S. Ropes and roping. West. Horseman 17(11):12-13,38-40. Nov.1952. 42.8 W522

9122 SKINNER's wool trade directory of the world, 1952. Bradford,1952. 1246 p. 225 W892

9123 SOMERS, J. A. Some unexplained peculiarities of viscose rayon. Brit. Rayon & Silk J. 29(340):46,48-49. Sept.1952. 304.8 Si3

9124 SOUZA, A. O. DE. The cotton crisis and the exchange situation. (In Portuguese.) Lav. Arroz. 6(67): 17-23. July 1952. 59.8 L39

9125 SPEAKMAN, J. B. Neue forschungsarbeiten über die chemie der wolle. Melliand Textilber. 33:823-828. Ref. Sept.9,1952. 304.8 T312
English summary.

9126 SPURLIN, H. M. The homogeneous degradation of cellulose. Textile Res. J. 22:693. Oct.1952. 304.8 T293

9127 SRINAGABHUSHANA. Effect of processing preparatory to spinning on the fibre properties of cotton. Indian Cotton Growing Rev. 6:131-146. July 1952. 72.8 In23

9128 SRINAGABHUSHANA. A note on the effect of twists on some characteristics of filamental silk yarn. In Textile Association. Souvenir, the 9th All India Textile Conference, p.41-46. Baroda,1952. 304 T3192

9129 STÜPEL, H. Waschversuche verschiedener synthetischer rohstoffe in kombination mit anhydrischen phosphaten an künstlich beschmutzter schafwolle. Textil-Praxis 7:723-725. Ref. Sept.1952. 304.8 T3143

9130 TAEVERNIER, A. Un marché à terme coton à Gand? Textielwezen 8(9):57,59,61,63-64. Sept.1952. 304.8 T3147
English summary.

9131 TALLANT, J. D. Use of a servo system for automatic operation of the Fibrograph. Textile Res. J. 22:617-619. Sept.1952. 304.8 T293
Use of the Fibrograph for the measurement of the length of cotton.

9132 TEXTILE ASSOCIATION. Souvenir, the 9th All India Textile Conference and Industrial Exhibition. Baroda,1952. 155 p. 304 T3192

9133 TEXTILE industry in South India. 2. Madras, Dalal,1951. 84 p. 304.8 T3148

9134 TEXTILE INSTITUTE. Identification of textile materials. Ed. 3, rev. and enl. Manchester, 1951. 94 p. 304 T316I
Fibers.

9135 TEXTILE QUALITY CONTROL ASSOCIATION. Proceedings of the fall meeting, October 12, 1951, Clemson College, South Carolina. Clemson College?1951? 54 p. 304.9 T319

9136 THOMAS, P. M. What happens when you speed up cotton cards? Textile World 102(10):94-97. Oct.1952. 304.8 T315

9137 THOMSON, R. J. K. Canadian shoddy and waste production. Textile J. Austral. 27:572,581. July 21,1952. 304.8 T3134

9138 TIPTON, B. California's Imperial Valley is producing cotton again. Acco Press 30(10):1-5. Oct.1952. 6 Ac2

9139 TOMIOKA, S. Silk price stabilization program—an explanatory study. (In Japanese.) Nogyo Sogo Kenkyu 6(3):1-44. July 1952. 22.5 N687

9140 TURNER, A. J. The natural fibres. (Sum.) Textile Wk. 50:764. Sept.19,1952. 304.8 T3127

9141 TURNER, A. J. Naturally-occurring fibres. (Sum.) Chem. & Indus. 39:944-945. Sept.27,1952. 382 M31C

9142 U. S. PRODUCTION AND MARKETING ADMIN. Measurement data for proposed market grades of wool; results of testing for fineness, variability, and staple length. Washington,1952. 8 p. 1.956 L75M46

9143 URQUHART, A. R. Natural-polymer fibres. (Sum.) Chem. & Indus. 39:945. Sept.27,1952. 382 M31C
Chiefly on rayon.

9144 URQUHART, A. R. Natural polymer fibres. (Sum.) Textile Wk. 50:832,834. Sept.26,1952. 304.8 T3127
Chiefly on rayon.

9145 VOLLENBRUCK, H. Der verlauf des faserabbaues beim waschen. 1. Melliand Textilber. 33:856-859. Sept.9,1952. 304.8 T312
English summary.
Cotton.

9146 WALKER, R. Classification and uses of wool wastes. Textile Mfr. 78:465-468. (Cont.) Sept.1952. 304.8 T3126

9147 WALKER, R. Classification and uses of wool wastes. Textile Mfr. 78:529-532. (Cont.) Oct.1952. 304.8 T3126

9148 WARREN, J., REID, J. D., and HAMALAINEN, C. Action of cyanuric chloride on cotton cellulose. Textile Res. J. 22:584-590. Ref. Sept.1952. 304.8 T293

9149 WEBSTER, A. Quality control in textile production. Textile Mfr. 78:542-546. Oct.1952. 304.8 T3126
Fiber processing.

9150 WELLS, P. A. Wool. London,Educ. Supply Assoc.,1951. 121 p. (How Things are Obtained; Information Book) 304 W46

9151 WESSELS, A. J. J. What is rayon? (In Afrikaans.) Volkshandel 13(6):32-33. Aug.1952. 286.8 V88

9152 WHITAKER, F. H. Cotton situation in Syria. U. S. Off. Foreign Agr. Relat. Foreign Agr. C. FC-8-52, 19 p. Sept.16,1952. 1.943 F7626

9153 WILSON, W. R. Use of solvents in fibre identification. Canad. Textile J. 69(22):75-77. Oct.24, 1952. 304.8 C16

9154 ZIEGLER, C. DE. Lana, riqueza patagónica. Pampa Argentina 25(296):8. Aug.1952. 9 P19

FRUITS, VEGETABLES, AND NUTS

9155 BURKE, J. H. The Texas citrus industry in 1952. Citrus Leaves 32(10):22,24. Oct.1952. 80 C492

9156 BYRE, O. O. Fruit growing in Rogaland. (In Norwegian.) Gartneryrket 42:592,595-596,599. Aug.27, 1952. 80 G1938

9157 CALZECCHI-ONESTI, A. The tomato situation within the framework of horticultural policy. (In Italian.) Conv. Econ. Naz. dell'Agr. Atti 1951:37-49. 281.9 C7674

9158 CANADA. DEPT. OF AGRICULTURE. FRUIT AND VEGETABLE PRODUCTS RESEARCH COMMITTEE. Annual report 1950. n.p.,1951? various pagings. 389.9 C169

9159 CANDIDA, F. Eulogy on the potato. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(83):6-7. Sept.30,1952. 281.8 Ag3

9160 CAVISTON, R. V. The oldest fruit industry: the fig. Gard. J. 2:144-145. Sept./Oct.1952. 80 G1635

9161 CERCLER, R. Point de vue sur la crise viticole. Prog. Agr. et Vitic. 138:140-142. Sept.7/14, 1952. 14 P94
France.

9162 CHARVET, G. Le jus d'agrumes en Afrique du Nord. Inform. Marocaine 605:1,4. Aug.16,1952. 281.8 In3
The industry.

9163 CHUKHNO, D. F. Fundamental problems in methods of planning fruit culture in the prospective plans of collective farms in Ukrainian SSR. (In Russian.) In Kief. Académie des Sciences. Institut Ekonomiki. Voprosy perspektivnogo planirovaniia v kolkhozakh, p. 277-287. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

9164 DETTMER, F. Fruit-growing and fruit sales in Germany. Wirtschaftsdienst, Aug.1952:18-20. 280.8 W74E

9165 HEPPNER, S. A good date crop this year from North Africa. Fruit, Flower & Veg. Trades' J. 102(15): 14-15. Oct.11,1952. 80 F946

9166 HJELTNES, A. Greenhouse gardening in Rogaland. (In Norwegian.) Gartneryrket 42:588-591. Aug.27, 1952. 80 G1938

9167 HOME GROWN THRESHED PEAS JOINT COMMITTEE. Dried pea seed approval scheme, 1952 harvest. London,1952. 11 p. 60.39 H75Hg

9168 HORN, T. Idaho's fruit industry. Idaho Shippers Assoc. Annu. Conv. 24:82-83. 1952. 81 Id13

9169 IDAHO SHIPPERS ASSOCIATION. 24th annual convention, Sun Valley, June 12-13-14, 1952. Sun Valley, 1952. 144 p. 81 Id13
Data on fruit and vegetable industry.

9170 KOCH, E. Politik mit der dürre. Obst u. Gemüse 4:830-831. Sept.4,1952. 286.83 Ob72
Germany.

9171 LAARMAN, N. A. The economic prospects of some small fruits with respect to the demand in the Netherlands and abroad. (In Dutch.) Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 32:52-58. Mar.1952. 86 W12
English summary.
Strawberries, currants, raspberries, and gooseberries.

9172 LANDWEHR, S. Der wiederaufbau des südbad. weinbaues und seine finanzierung. Bauern-Ztg. 5(34):11, 20. Aug.22,1952. 18 B324

9173 LETTIERI, N. Fruit production and export. (In Italian.) Coltivatore 8(43):3. Oct.25,1952. 16 C722
Italy.

9174 MAUK, A. Besorgniserregende wirtschaftslage im gemüse- und obstbau. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1731. Oct.23,1952. 18 L2346

9175 MEITH, C. What's California's citrus future? Citrus Leaves 32(11):20. Nov.1952. 80 C492

9176 MERCKER, A. E. A potato program. Idaho Shippers Assoc. Annu. Conv. 24:29-30. 1952. 81 Id13

9177 MESA BERNAL, D. Lexicografía de nuestros plátanos y bananos. Agr. Trop. 8(9):27-33. Sept.1952. 26 Ag8

9178 MICKLEM, T., and KRIEL, P. E. The deciduous fruit industry in the western and south western Cape Province. Union So. Africa. Dept. Agr. B. 321, 56 p. 1952. 24 So84P

9179 NAZARIAN, E. A. All-Union inventory of berry-fruit and subtropical planting in 1952. (In Russian.) Sad i Ogorod 6:38-39. June 1952. 80 Sa13

9180 OLIVA, A. Producción frutícola nacional. Vinos, Viñas y Frutas 46(562):7. July 1952. 9 Ag89
Argentina.

9181 OPHEN, J. D. The outlook for the Israel citrus industry; planted area to be extended. Gt. Brit. & East 68(1833):21,23. Sept.1952. 286.8 N27

9182 REED, J. H. The Texas pecan story. South. Food Processor 13(8):7-8,21. Aug.20,1952. 389.8 So82

9183 REITZ, J. W. Partial mobilization and the Florida fruit and vegetable industry. Fla. State Hort. Soc. Proc. 63:3-7. 1950,pub.1951. 81 F66

9184 REITZ, J. W. Problems in developing a balanced supply program for Florida citrus. Citrus Indus. 33(10):5-7. Oct.1952. 80 C49

9185 RENAUD, M. La production espagnole des agrumes. Fruits et Primeurs de l'Afrique du Nord 22:283-293. July/Aug.1952. 80 F9482

9186 RENTSCHLER, H. Aufgaben und tätigkeit der Eidgenössischen Versuchsanstalt für Obst-, Wein- und Gartenbau, Wädenswil. Schweiz. Landwirt. Monatsh. 9: 297-305. Sept.20,1952. 17 Sch93

9187 RICE, W. S. Dried apricot production estimated at close to last year's 7,300 tons. Sunsweet Standard 36(4):8-9. Sept.1952. 283.83 Su7
Apricots, peaches and prunes.

9188 RIEGER, W. Kartoffeln und kartoffelpreise. Landwirt. Z. der Nord-Rheinprov. 119:1020. Sept.20, 1952. 18 L2344

9189 RODRIGO, P. A. The coconut industry since liberation. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p. 199-201. Manila,Graphic House,1952. 37 P533

9190 ROGERS, C. A. What's ahead for Texas citrus? Fruit & Veg. Rev. 14(8):18-19,22. Nov.1952. 80 C122

9191 SAMARAKIS, B. A. Situation de la viticulture dans le monde. Prog. Agr. et Vitic. 138:142-153. Sept. 7/14,1952. 14 P94

9192 SHEPHERD, J. The production and marketing outlook. Citrus Leaves 32(11):28-29,38. Nov.1952. 80 C492

9193 SIROTTI, G. Complete improvement of fruit production in the province of Ravenna. (In Italian.) Romagna Agr. e Zootec. 37(13):1-2. Aug.1952. 16 R66
Policy for the industry.

9194 SOUSA, J. S. I., DE. The citrus revival. (In Portuguese.) Chacaras e Quintais 86:185-186. Aug.15, 1952. 9.2 C34
Industry in Brazil.

9195 STAUNING, A. Vegetables; production—marketing. (In Danish.) Gart.-Tid. 68:333-334. Sept. 15,1952. 80 G192

9196 SYKES, P. A tree boosts trade. Foreign Trade 12(303):14-17. Oct.18,1952. 286.8 C162
Coconut products industry in Ceylon.

9197 WEBB, R. G. The citrus fruit industry in South Africa; a bibliography. Cape Town,1951. 40 p. (Capetown. University of Cape Town. School of Librarianship. Bibliographical Series) 241 W38

9198 WUNSCH, W. A. New Mexico fruit and vegetable round-up. N. Mex. Stockman 17(9):91. Sept.1952. 49 N462

9199 ZUCCHINI, M. Safety valve for Italian fruit culture. (In Italian.) Agricoltura 1(8):13-18. Aug.1952. 16 Ag8226
English summary.

Analysis and Composition

9200 BISSETT, O. W. A method for estimating soluble solids in dried citrus pulp. Fla. State Hort. Soc. Proc. 63:174-179. 1950,pub.1951. 81 F66

9201 BLOM, J., and SCHWARZ, B. Bindungstypen in der stärke. Acta Chem. Scand. 6:697-708. Ref. 1952. 385 Ac82
Potato starch.

9202 CRNČEVIĆ, V. A contribution to the study of mechanical and chemical compositions of pomegranate from the Montenegrian coastal region as a raw material for the production of grenadin. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 5(7):46-53. 1952. 21.5 Y9
English summary.

9203 DICKERMAN, J. M., and LIBERMAN, S. Studies on the chemical nature of an antibiotic present in water extracts of cabbage. Food Res. 17:438-441. Sept./Oct.1952. 389.8 F7322

9204 DJANG, S. S. T., BALL, C. D., and LILLEVIK, H. A. The isolation, fractionation and electrophoretic characterization of the globulins of mung bean (Phaseolus aureus). Arch. Biochem. & Biophys. 40:165-174. Ref. Sept.1952. 381 Ar2

9205 FAVILLE, L. W., and HILL, E. C. Relative efficiencies of several liquid presumptive media used in the microbiological examination of citrus juices. Fla. State Hort. Soc. Proc. 63:150-154. 1950,pub.1951. 81 F66

9206 FERRIS, L. W. Report on tartaric acid in fruit products. Assoc. Off. Agr. Chem. J. 35:661-663. Aug.15,1952. 381 As7

9207 FRAENKEL-CONRAT, H., and others. Isolation and characterization of a trypsin inhibitor from lima beans. Arch. Biochem. & Biophys. 37:393-407. Ref. 1952. 381 Ar2
R. C. Bean, E. D. Ducay, and H. S. Olcott, joint authors.

9208 FRIEDMAN, M. E., MARSH, G. L., and MACKINNEY, G. On color in tomato products. Food Technol. 6:395-398. Ref. Oct.1952. 389.8 F7398

9209 HAYS, G. L. The isolation, cultivation and identification of organisms which have caused spoilage in frozen concentrated orange juice. Fla. State Hort. Soc. Proc. 64:135-137. 1951,pub.1952. 81 F66

9210 HILL, E. C., and FAVILLE, L. W. Comparison of plating media used for the estimation of microorganisms in citrus juices. Fla. State Hort. Soc. Proc. 63: 146-149. 1950,pub.1951. 81 F66

9211 HIRSCH, J. S., NILES, A. D., and KEMMERER, A R. The essential amino acid content of several vegetables. Food Res. 17:442-447. Sept./Oct.1952. 389.8 F7322

9212 HUELIN, F. E. Volatile products of apples. III. Austral. J. Sci. Res. Ser. B: Biol. Sci. 5:328-334. Aug.1952. 442.8 Au72

9213 HUGGART, R. L., MOORE, E. L., and WENZEL, F. W. The measurement of clarification in concentrated citurs juices. Fla. Hort. Soc. Proc. 64: 185-188. 1951,pub.1952. 81 F66

9214 JANSEN, E. F., and JANG, R. Cysteine and glutathione in orange juice. Arch. Biochem. & Biophys. 40:358-363. Ref. Oct.1952. 381 Ar2

9215 KEW, T. J., and VELDHUIS, M. K. An index of pasteurization of citrus juices by a rapid method of testing for residual enzyme activity. Fla. State Hort. Soc. Proc. 63:162-165. 1950,pub.1951. 81 F66

9216 KILBURN, R. W., and DILLMAN, C. A. A method for estimating the amount of citrus juice in finisher pulp. Fla. State Hort. Soc. Proc. 64:138-140. 1951,pub.1952. 81 F66

9217 LUTHI, H., and HOCHSTRASSER, R. Über zwei neue, gegenwärtig häufiger auftretende pilzinfektionen in der bäuerlichen süssmosterei. Schweiz. Z. f. Obst- u. Weinbau 61:359-361. (Concl.) Sept.6,1952. 80 Sch9

9218 LYNCH, S. J., LARSON, E., and DOUGHTY, D. D. A study of the edibility of akee (Blighia sapida) fruit of Florida. Fla. State Hort. Soc. Proc. 64:281-284. Ref. 1951,pub.1952. 81 F66

9219 MILISAVLJEVIĆ, D. Quinze années d'analyse des moûts de raisin de Voïvodina (Serbie). (In Serbo-Croatian.) Yugoslavia. Min.Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6):57-75. 1951. 21.5 Y9
French summary.

9220 MILLER, J. M., and ROCKLAND, L. B. Determination of cysteine and glutathione in citrus juices by filter paper chromatography. Arch. Biochem. & Biophys. 40:416-423. Ref. Oct.1952. 381 Ar2

9221 MILLS, P. A. Report on galacturonic acid in strawberry juice. Assoc. Off. Agr. Chem. J. 35:520-524. Aug.15,1952. 381 As7

9222 MOIZO, M. C. Determinación de fibra bruta en pimentones. La Plata. U. Nac. Facul. de Cien. Quím. Rev. 24:15-29. Ref. 1949,pub.1952. 385 L31

9223 MORGAN, D. A. Thermal conductivity in orange concentrate. Fla. State Hort. Soc. Proc. 64: 192-198. Ref. 1951,pub.1952. 81 F66

9224 OLSEN, R. W., and ASBELL, D. M. Determination of the pulp content of concentrated citrus juices. Fla. State Hort. Soc. Proc. 64:171-174. 1951,pub.1952. 81 F66

9225 OSBORN, R. A. Report on fruits and fruit products. Assoc. Off. Agr. Chem. J. 35:660-661. Aug. 15,1952. 381 As7

9226 PATRICK, R. Sources of coliform bacteria in citrus juice for concentrates. Fla. State Hort. Soc. Proc. 64:178-181. 1951,pub.1952. 81 F66

9227 ROUSE, A. H. Effect of insoluble solids and particle size of pulp on the pectinesterase activity in orange juice. Fla. State Hort. Soc. Proc. 64:162-166. 1951,pub.1952. 81 F66

9228 SAPOZHNIKOVA, E. V., and BUBNOVA, E. I. Jellification properties [pectin] of apples and plums of the Azherbaidzhan Soviet Socialist Republic. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:130-149. Ref. 1951. 463.29 Ak1

9229 SIEGRIST, H. Neue auffassungen über die wirkung der filtrationsenzyme. Schweiz. Z. f. Obst- u. Weinbau 61:373-374. Sept.6,1952. 80 Sch9
Fruit juice.

9230 TIHON, L. Pausinystalia macroceras (K. Schum) Pierre, synonyme: Corynanthe macroceras (K. Schum). Belgium. Min. des Colon. B. Agr. du Congo Belge 43:797-808. Sept.1952. 24 K83
Analysis.

9231 TILDEN, D. H. Report on uric acid in fruit products (chromatographic isolation). Assoc. Off. Agr. Chem. J. 35:526-528. Aug.15,1952. 381 As7

9232 VAN DAME, H. C. Report on succinic acid in tomatoes. Assoc. Off. Agr. Chem. J. 35:528-530. Aug.15,1952. 381 As7

9233 WILLIAMS, B. L., and WENDER, S. H. The isolation and identification of quercetin and isoquercitrin from grapes (Vitis vinifera). Amer. Chem. Soc. J. 74: 4372-4373. Sept.5,1952. 381 Am33J

Consumption and Utilization

9234 BATISTA, A. DE J. Increase in consumption of fresh grapes. (In Portuguese.) Granja [Porto Alegre] 8(63):26-27. June 1952. 9.2 G76
Brazil; includes trade.

9235 DALMASSO, G. It's possible to increase grape consumption. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:353-354. Sept.1952. 16 C72

9236 EDWARDS, P. W., and others. Recovery of tomato processing wastes. Food Technol. 6:383-386. Oct.1952. 389.8 F7398
R. K. Eskew, A. Hoersch, Jr., N. C. Aceto, and C. S. Redfield, joint authors.
Manufacture into dry press cake for use as feed.

9237 GRILL, F. Einige möglichkeiten der tresterverwertung. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:169-173. July 1952. 105.9 K696
English summary.

9238 MORIMOTO, H., and others. Studies on the dual utilization of crops as foods and feeds. III-IV. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:175-187. Ref. July 1952. 49.9 C434
English summary.
III, Radish and turnip, by M. Morimoto, N. Moriya, and K. Kameoka; IV, Potatoes, by H. Morimoto, N. Moriya, D. Kubota, and K. Aratani.

9239 U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer fruit and juice purchases, Apr.-June 1952, by regions and type of retail outlet. Washington,1952. 61 p. 1.941 M3R26
U. S. Production and Marketing Administration cooperating.

Distribution, Marketing, and Transportation

9240 ANNUAIRE 1952 du commerce belge de gros, importation et exportation en fruits, légumes, primeurs, fleurs coupées et pommes de terre. Bruxelles,1952. 80 p. 225 An7262

9241 APPLE GROWERS ASSOCIATION. Annual report. Hood River,Oreg.,1952. 29 p. 281.3939 Ap5

9242 ASH, E. A. Fruit gift packages. Fla. State Hort. Soc. Proc. 63:217-219. 1950,pub.1951. 81 F66

9243 BANKE, E. H. The potato tag becomes "of age." Badger Common 'Tater 5(8):6,9. Aug.1952. 75.8 B14

9244 BARRACANO, C. The grape festival. (In Italian.) Cam. di Com. Indus. e Agr. Bari. B. (n.s.)36 (8):12-13. Aug.1952. 287 B232

9245 BEMIS, K. P. Our markets, our research and our sales of potatoes. Badger Common 'Tater 5(9): 10-12. Sept.1952. 75.8 B14

9246 BERISTAIN, B. Ensayo de orientación. Semana Vitivinic. 7(321):2-3. Aug.23,1952. 95.8 Se5
Marketing situation.

9247 BISHOP, W. J. Improved distribution and marketing of our fruit and vegetables. Grower [Adelaide] 7(2):6,8,11. Aug.1952. 80 G912
Australia.

9248 BOGER, L. L. When should apples be sold? Mich. Agr. Expt. Sta. Spec. B. 381,19 p. Sept.1952. 100 M58S

9249 BRUNNER, H. Erfahrungen beim verkauf von obstsaftkonzentrat in Cartofont-Eimern. Schweiz. Z. f. Obst- u. Weinbau 61:434. Oct.18,1952. 80 Sch9

9250 CARREL, J. The observation of fruit and vegetables prices for measuring their cost of distribution. (In Italian.) Riv. di Econ. Agr. 7:244-257. June 1952. 281.8 R52
English summary.

9251 CHEVIGNY, A. DE. The merchandising school of fruits and vegetables. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:115-118. 1950,pub.1951. 82 Q3

9252 COUCHMAN, R. Pear growers seek market stability. West. Fruit Grower 6(11):7. Nov.1952. 95.8 G762

9253 CURRY, T. C. A look at the P. A. C. A. [Perishable Agricultural Commodities Act] record. Idaho Shippers Assoc. Annu. Conv. 24:67-68,142. 1952. 81 Id13
Market news service and regulatory work.

9254 DISCH, E. Mehr obst und gemüse durch die konsumgenossenschaften. Verbraucher 6:443-444. Sept.6,1952. 280.28 K833
Germany.

9255 DOUCHEZ, P. L'approvisionnement en légumes de l'agglomération de Tunis. B. Econ. et Social de la Tunisie 67:37-46; 68:24-33. (Cont.) Aug.-Sept. 1952. 280.8 B874

9256 EATON, D. Marketing fresh Lychees. Fla. State Hort. Soc. Proc. 63:222-225. 1950,pub.1951. 81 F66

9257 EISENBERG, I. About potato futures. Potato Chipper 12(3):22,24. Oct.1952. 75.8 P844

9258 FELT, C. E., COOK, F. H., and BORCHARDT, L. F. Moistureproof shipment; how General Mills found a low-cost solution to problem of transcontinental bulk shipment of dehydrated apple slices. Mod. Packaging 26(2):133-136,202. Oct.1952. 309.8 M72

9259 FRANCISCO, D. The story of Sunkist advertising. Hoosier Hort. 34:86-89. (Cont.) July/Aug.1952. 81 In2H

9260 GUI, L. Grape feast. (In Italian.) Agricoltura 1(9):7-10. Sept.1952. 16 Ag8226
English summary.
Public relations in the industry.

9261 HOVIS, R. Tomatoes move to U. S. markets. West. Grower & Shipper 23(11):17,20. Oct.1952. 280.38 W52

9262 KINDLIMANN, J. Die tafeltraubenaktion 1952. Schweiz. Z. f. Obst- u. Weinbau 61:440-443. Oct.18,1952. 80 Sch9

9263 KITCHEN, C. W. Promote for profit. Idaho Shippers Assoc. Annu. Conv. 24:95-96. 1952. 81 Id13
Vegetables.

9264 LINS, D. M. Marketing limes and lime by-products. Fla. State Hort. Soc. Proc. 64:271-273. 1951, pub.1952. 81 F66

9265 LUTZ, J. M., and others. Influence of pads and car lining on potato transit temperatures, East Grand Forks, Minn. to Chicago, Ill., January, 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 274, 7 p. Apr.30,1952. 1.9 P772Ht
W. H. Redit, R. E. Hardenburg, and H. Findlen, joint authors.

9266 MCCULLOCH, L. P., and PENTZER, W. T. Refrigeration of tomatoes in transit. Pre-Pack-Age 6:11-14. Sept.1952. 280.38 P91

9267 RENK, O. Beanstandungsverfahren bei salzschäden an kartoffeln. Steuer u. Recht 17:65-66. In Ernährungsdienst 7(103). Sept.6,1952. 389.8 Er62
Germany.

9268 ROULEAU, H. Secrets. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 1951:86-91. 1952. 82 Q3
Apples, public relations.

9269 SAMMET, L. L. Efficiency in fruit marketing; orchard-to-plant transportation method and equipment important factors in determining labor requirements. III. Calif. Agr. [Calif. Sta.] 6(8):10-12. Aug.1952. 100 C12Cag

9270 SHOWALTER, R. K., HALSEY, L. H., and MCCOLLOCH, L. P. Injuries in shipping and handling tomatoes. Fla. State Hort. Soc. Proc. 64:125-128. 1951, pub.1952. 81 F66

9271 STOYE, C. Ordnung des gemüsemarktes ist dringend notwendig. Verbraucher 6:394-395. Aug.9, 1952. 280.28 K833
Germany.

9272 TAWSE, W. J. Apple publicity. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 1951:95-98. 1952. 82 Q3

9273 THAYER, E. N. Record industry dried fruit advertising program looms. Sunsweet Standard 36(4): 4-5. Sept.1952. 283.83 Su7
On marketing of prunes.

9274 TIRELLI, N. The highway factor in our fruit culture. (In Italian.) Frutticolt. Campana 1(24):1,3. Dec.25,1951. 80 F9474

9275 TOWNSEND, B. M. Possible market outlets for Florida citrus juices through dispensers. Citus Indus. 33(11):14-15. Nov.1952. 80 C49

9276 TROUT, S. A. Air transport of perishable goods. Queensland Fruit & Veg. News 2(38):21-22. Aug.1,1952. 280.38 Q3
Fruit and vegetables.

9277 U. S. PRODUCTION AND MARKETING ADMIN. Benton Harbor cash market fruit & vegetable summary, 1951 season, by J. H. Selby. Benton Harbor,1951. 4 p. 1.9 Ec741L
Michigan Department of Agriculture, Bureau of Marketing & Enforcement cooperating.

9278 U. S. PRODUCTION AND MARKETING ADMIN. Brief summary of marketing North Carolina potatoes, by T. R. Butts. Washington,N. C.,1952. 6 p. 1.9 Ec741L
North Carolina State Department of Agriculture, Division of Markets cooperating.

9279 U. S. PRODUCTION AND MARKETING ADMIN. A general review of the marketing and distribution of Mississippi vegetables, by W. H. Cosper. Jackson,1952. 12 p. 1.9 Ec741L
Mississippi State Central Market Board cooperating.

9280 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Appalachian Maryland, Pennsylvania, Virginia, West Virginia apples, season 1951, by H. S. Stiles. Martinsburg,W. Va.,1952? 26 p. 1.9 Ec741L
Also similar report on peach marketing.

9281 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Arkansas peaches, brief review of the 1951 season. Little Rock,1952? 3 p. 1.9 Ec741L

9282 U. S. PRODUCTION AND MARKETING ADMIN Marketing California asparagus, by A. M. McDowell and F. R. Mallory. San Francisco,1952. 33 p. 1.9 Ec741L
California Department of Agriculture, Bureau of Market News cooperating.
Also similar reports on marketing Imperial Valley carrots, cauliflower, celery, California-Arizona citrus, grapes—wine and raisin, Salinas-Watsonville-Hollister lettuce, Imperial Valley lettuce, Imperial Valley melons, central California melons, onions, Kern district Early Long white potatoes, strawberries, and tomatoes. Reports issued from various places in California.

9283 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Florida and Georgia watermelons, 1952 season, by C. J. Ritter. Moultrie,1952. 7 p. 1.9 Ec741L
Georgia State Department of Agriculture cooperating.

9284 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Florida citrus, summary of 1950-51 season, by H. F. Willson. Lakeland,1951. 52 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

9285 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Florida potatoes - 1952 season. Hastings, 1952. 8 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

9286 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Georgia peaches, by J. H. Selby. n.p.,1952? 20 p. 1.9 Ec741L

9287 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Idaho potatoes, season of 1951-1952, by A. Henry. Idaho Falls,1952. 16 p. 1.9 Ec741L
Idaho Department of Agriculture cooperating.

9288 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Long Island vegetables—lima beans, brussels sprouts, cauliflower, cucumbers; summary for 1951 season, by J. M. Roberts. Riverhead,Long Island, N. Y., 1951. 24 p. 1.9 Ec741L
New York State Department of Agriculture and Markets, Bureau of Markets cooperating.
Also a similar report on marketing potatoes.

9289 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Northwestern apples, season 1950, by C. D. Sherman. Yakima,1952. 31 p. 1.9 Ec741L
Washington State Department of Agriculture cooperating.
Also similar reports on marketing cherries & apricots, pears, and plums.

9290 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Northwestern potatoes, summary of the 1951-52 season, Oregon, Washington, Idaho, by C. J. Hansen. Portland,Oreg.,1952. 25 p. 1.9 Ec741L
Also a similar report on marketing onions.

9291 U. S. PRODUCTION AND MARKETING ADMIN. Marketing South Carolina peaches, summary of 1952 season, by J. P. Capus. Spartanburg,1952. 12 p. 1.9 Ec741L
Clemson College Extension Service, Division of Markets cooperating.
Similar reports on marketing potatoes and watermelons.

9292 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Texas citrus, Lower Rio Grande Valley of Texas, summary of 1950-51 season, by R. E. Winfrey. Weslaco,1951. 21 p. 1.9 Ec741L
Also reports on marketing Texas cabbage, carrots, onions, spinach, tomatoes, and vegetables.

9293 U. S. PRODUCTION AND MARKETING ADMIN. Marketing the Michigan potato crop, 1950 season, by J. H. Selby. n.p.,1951? 7 p. 1.9 Ec741L
Michigan Department of Agriculture, Bureau of Marketing & Enforcement cooperating.
Also similar reports on marketing peaches, onions, celery, and strawberries.

9294 U. S. PRODUCTION AND MARKETING ADMIN. Marketing western and central New York apples, by A. L. Thomas. Rochester,1952. 15 p. 1.9 Ec741L
New York State Department of Agriculture and Markets, Bureau of Markets cooperating.
Also similar reports on marketing cabbage, carrots, celery, onions, peaches, pears, potatoes, and tomatoes.

9295 U. S. PRODUCTION AND MARKETING ADMIN. 1951 California deciduous tree fruits; interstate shipments, by A. M. McDowell and F. R. Mallory. San Francisco,1952. 98 p. 1.9 Ec741L
California Department of Agriculture, Bureau of Market News cooperating.

9296 U. S. PRODUCTION AND MARKETING ADMIN, Va.-Md. E. Shore Irish potatoes, season 1951, by S. Russell. Onley,Va.,1951. 9 p. 1.9 Ec741L
Virginia Department of Agriculture and Maryland Department of Markets cooperating.
Marketing.

9297 WEST, H. I. Pecan agreement benefiting everybody. Prog. Farmer, Ga.-Ala.-Fla. Ed. 67(11):15,140. Nov.1952. 6 P945G
Pecan Marketing Agreement.

9298 WINSTON, J. R., and others. Rail refrigeration test with Florida citrus, November, 1950. Citrus Indus. 33(11):11-13,15,18. Nov.1952. 80 C49
R. Cubbege, H. W. Hruschka, and G. A. Meckstroth, joint authors.

9299 WINTER, J. D., and others. Handling fresh sweet corn for market. II. Pre-Pack-Age 6(2):24-27. Oct.1952. 280.38 P91
R. E. Nylund, A. F. Legun, and G. C. Chappell, joint authors.
Includes marketing costs and prices.

9300 WORK, P. Smoky Mountain beans—or the story of Tri-State Growers, Inc., Mountain City, Tenn. Mkt. Growers J. 81(10):14-17. Oct.1952. 6 M34

Grading, Inspection, Standardization, and Quality

9301 BUCHHOLZ, H. Gedanken um das kartoffelsortieren. Deut. Landwirt.-Gesell. Mitt. 67:616-618. Aug.30,1952. 18 N39

9302 DARKE, J. E. Thoughts on grading and packing. Tomato & Cucumber Mktg. Bd. J. 1(7):3-5. Sept. 1952. 280.3919 T591
Tomatoes.

9303 FLORIDA. DEPT. OF AGRICULTURE. CITRUS AND VEGETABLE INSPECTION DIV. 1951—52 season annual report. Winter Haven,1952. 77 p. 280.3939 F663

9304 GLASCOFF, W. G. Shaker improves size grading. Food Engin. 24(10):99,149,151. Oct.1952. 389.8 F737
Peas.

9305 GOULD, W. A. Artificial light for visual color evaluation of fruits, vegetables. Food Packer 33(11):33-35. Nov.1952. 286.83 C165

9306 GREENE, R. E. L., JOHNSON, J. M., and BARNES, R. C. Grade qualities of potatoes in selected retail stores in Pittsburgh, Pennsylvania, 1950. South. Coop. Ser. B. 24,79 p. June 1952. 100 G29So

9307 GREENE, R. E. L. Quality of Florida potatoes and some of the factors affecting quality. Fla. State Hort. Soc. Proc. 63:136-141. 1950,pub.1951. 81 F66
Includes care and handling.

9308 HELLBO, E. The potato inspection. (In Swedish.) Lantmannen 36:670,680. Aug.23,1952. 11 L234
Seed potatoes.

9309 MURDOCK, D. I., TROY, V. S., and FOLINAZZO, J. F. Development of off flavor in 20° Brix orange concentrate inoculated with certain strains of Lactobacilli and Leuconostoc. Fla. State Hort. Soc. Proc. 64: 153-157. 1951,pub.1952. 81 F66
Orange juice.

9310 PEDERSON, C. S. Sauerkraut deterioration during fermentation. (Sum.) Canad. Food Indus. 23(10): 49. Oct.1952. 286.83 C166

9311 REVELL, D. The flavour of tomatoes in relation to sales. Tomato & Cucumber Mktg. Bd. J. 1(7): 13-15. Sept.1952. 280.3919 T591

9312 SAYRE, C. B. Tenderometer grades, yields, and gross returns of peas. Farm Res. [N. Y. State Sta.] 18(3):14-15. July 1952. 100 N48A

9313 SCHLIEPER, C., and NIX, H. Über das haften von spulwurmeiern an salat. Landwirt. Forsch. 4:74-80. 1952. 18 L2333
Ascaris lumbricoides L.

9314 SWIFT, L. J. Flavor changes in stored canned orange juice. Fla. State Hort. Soc. Proc. 64:181-185. 1951,pub.1952. 81 F66

9315 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned cream style corn. Washington,1952. 10 p. 1.956 A2Un329
Supersedes standards in effect since December 1, 1932.

9316 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned plums. Washington,1952. 14 p. 1.942 F5P73
Supersedes standards in effect since August 15, 1946.

9317 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen lima beans. Washington,1952. 9 p. 1.942 V32L62
Supersedes standards in effect since May 30, 1952.

9318 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen whole kernel (or whole grain) corn. Washington,1952. 9 p. 1.942 V5C81
Supersedes standards in effect since April 15, 1944.

9319 WILSON, J. W. Toxic insecticide residues of vegetables. Fla. State Hort. Soc. Proc. 63:95-98. 1950, pub.1951. 81 F66

9320 WINKLER, W. O. Report on decomposition in fruits and fruit products. Assoc. Off. Agr. Chem. J. 35: 513-520. Aug.15,1952. 381 As7

Packing and Packaging

9321 BALAGANSKAIA, V. E. Extensive preservation of new cucumbers. (In Russian.) Sad i Ogorod 8:49-50. Aug.1952. 80 Sa13
Waxing.

9322 BECK, A. Can fruits be pre-packaged successfully? Meat Merchandising 28(11):26-27. Nov. 1952. 286.85 M462

9323 CARLSEN, E. W. Washington State improves apple packaging procedures. West. Fruit Grower 6(9): 13-15. Sept.1952. 95.8 G762

9324 CASSIDY, H. P. Ventura County Orange and Lemon Assn. switches to cartons. Citrus Leaves 32(11): 8-9. Nov.1952. 80 C492

9325 COLVIN, E. M. Potato small-pack profitable to shippers. West. Grower & Shipper 23(11):46-47. Oct.1952. 280.38 W52

9326 FELT, C. E., COOK, F. H., and BORCHARDT, L. F. The determination of a satisfactory type of packaging for the bulk shipment of dehydrated apple slices by freight. Food Technol. 6:390-393. Oct.1952. 389.8 F7398

9327 FRENCH, B. C. Efficiency in fruit marketing; packing labor efficiency and costs in California pear and apple packing plants influenced by varying factors. IV. Calif. Agr. [Calif. Sta.] 6(9):9-10. Sept.1952. 100 C12Cag

9328 GOULD, W. A. Uniform number of stalks per package important for broccoli. Food Packer 33(10):24, 40,43-44. Oct.1952. 286.83 C165
Frozen broccoli.

9329 HOTZ, E. Holzfässer oder glasflaschen für die süssmostlagerung im bauernhaus? Grüne 80:995-998. Sept.5,1952. 17 Sch9

9330 JENKINS, F. Hitchcock tries carrot packaging. West. Grower & Shipper 23(11):56. Oct.1952. 280.38 W52

9331 KAUFMAN, J., and HRUSCHKA, H. W. Broccoli prepackaging tests. Pre-Pack-Age 6(2):11-12, 14-15. Oct.1952. 280.38 P91

9332 LAWLER, F. K. Frozen concentrate in bags. Food Engin. 24(10):74-75,209. Oct.1952. 389.8 F737
Orange juice.

9333 LAWREN, J. Orange juice in an envelope. South. Food Processor 13(8):6-7. Aug.20,1952. 389.8 So82

9334 MALLISON, E. D. Did Henry Ford have the answer? West. Grower & Shipper 23(11):33-37. Oct. 1952. 280.38 W52
Packing of tomatoes.

9335 MUSTARD, M. J. Packaging and storage of Persian limes. Fla. State Hort. Soc. Proc. 63:228-236. Ref. 1950,pub.1951. 81 F66

9336 MUSTARD, M. J. The use of latex VL-600 as a surface coating for tomatoes. Fla. State Hort. Soc. Proc. 64:105-109. 1951,pub.1952. 81 F66

9337 NORWOOD, L. F., JR. Prepackaging. Pre-Pack-Age 6(2):16-18. Oct.1952. 280.38 P91
Fruit and vegetables.

9338 REMPT, J. D. Packing of fruit in Australia. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 6(38):7. Sept.26,1952. 286.28 V22

9339 ROBERTSON, B. C., and ARONOW, W. A. Shipping carton economies. Pre-Pack-Age 6(2):19. Oct.1952. 280.38 P91
Fiberboard containers for fruit and vegetables.

9340 RYGG, G. L., and MCCOY, W. W. Tomato prepackaging study. West. Grower & Shipper 23(11):50-53. Oct.1952. 280.38 W52

9341 SEDKY, A., STEIN, J. A., and WECKEL, K. G. Factors affecting color and flavor of sauerkraut packaged in pliofilm bags. Food Technol. 6:377-380. Ref. Oct.1952. 389.8 F7398

9342 SKINNER, B. L. The application of statistical quality control to filling machine operation. Fla. State Hort. Soc. Proc. 64:198-202. 1951,pub.1952. 81 F66

9343 SMITH, R. J. New low-cost packing systems for citrus fruits are developed. Citrus Leaves 32(11): 6-8. Nov.1952. 80 C492

9344 SMITH, R. J. "Volume fill" for citrus fruit. Calif. Citrog. 37:462,474,476-477. Oct.1952. 80 C125

9345 SORENSEN, H. B., MAYES, H. M., and BAKER, C. K. Cost of handling Texas citrus, fresh and processed, 1950-51 season. Tex. Agr. Expt. Sta. Prog. Rpt. 1485,13 p. Aug.9,1952. 100 T31P
Packing and processing costs.

9346 SPURLOCK, A. H. Packing labor and returns for tomatoes by type of container. Fla. State Hort. Soc. Proc. 64:128-130. 1951,pub.1952. 81 F66

9347 STRICKLAND, A. G. Diphenyl wraps; trials with stored Navels and Valencias and comparisons with growth substances. Citrus News 27(i.e.28):114. Aug. 1952. 80 C494

9348 TAYLOR, C. C., and DANFORTH, S. C. 1-min. test for package O_2; powdered lemon juice maker maintains continuous control over packing system by giving filled cans 1-min. check. Food Engin. 24(11):75,213. Nov.1952. 389.8 F737

9349 THAYER, E. N. Fruit must please consumer and pack, too. West. Fruit Grower 6(9):18-19. Sept.1952. 95.8 G762

9350 U. S. PRODUCTION AND MARKETING ADMIN. Variation in quantity of fibreboard used in master containers for prepackaged tomatoes, by B. C. Robertson and W. A. Aronow. Washington,1952. 7 p. 1.956 F94V42

Prices, Price Control, and Rationing

9351 HOOS, S. Statistical analysis of the annual average F. O. B. prices of Pacific Coast canned Bartlett pears, 1926-27 to 1950-51. Giannini Found. Agr. Econ. Mimeog. Rpt. 121,9 p. July 1951. 281.9 G34M

9352 LINNENBRINK, H. Kartoffelpreise vor gericht. Kartoffelwirtschaft 5:319-320. Aug.22,1952. 286.83 K14
Germany.

9353 RYF, E. Verbilligungskampagne für weissen alkoholfreien traubensaft. Schweiz. Z. f. Obst- u. Weinbau 61:437-440. Oct.18,1952. 80 Sch9

9354 U. S. EXTENSION SERV. A suggested outline for teaching principles of retail pricing; fresh fruits and vegetables. Washington,1952. 5 p. 1.913 F2Su36

9355 U. S. PRODUCTION AND MARKETING ADMIN. Vegetable price summary for southern Florida, 1951-1952 season, by R. R. Zoller. Belle Glade,1952. 31 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

Processing and Storage

9356 APPEL, G. O. Sachgemässes einmieten schützt vor verlusten. Deut. Landwirt. 3:512-515. Oct. 1952. 18 D4822
Potatoes.

9357 ATKINS, C. D., WENZEL, F. W., and MOORE, E. L. An evaporator of improved design for the concentration of citrus juices. Fla. State Hort. Soc. Proc. 64:188-191. 1951,pub.1952. 81 F66

9358 AUSDERAU, E. Bodenständig und gut. Schweiz. Z. f. Obst- u. Weinbau 61:427-431. Oct.18,1952. 80 Sch9
Home fruit preservation.

9359 BALDINI, E. Research on the conservation of potatoes through treatment with sprout inhibiting growth substances. (In Italian.) Riv. della Ortofloro-frutticolt. Ital. 36:158-169. Ref. July/Aug.1952. 86 R22
English summary.

9360 BISNO, L. Selecting and processing apples for top-quality pies. II. Preparing them for the pastries. Food Engin. 24(11):112-114,151,153. Ref. Nov.1952. 389.8 F737

9361 BLANKEN, G. Zweckmässige kartoffeleinlagerung. Praxis u. Forsch. 4:106-107. Sept.20,1952. 18 P89

9362 BONETTO, W. Le sechage des figues. Elevage et Cult. 4(45):13-17. Sept.1952. 24 EL2

9363 BORCHARDT, H. Kaltlagerungsversuch mit beregnetem obst. Obstbau 71:137-138. (Cont.) Sept.1, 1952. 80 Ob73

9364 BOYD, H. Suggestion for practical and economic preservation and distribution of fresh vegetables. Natl. Fed. Cold Storage & Ice Trades Ybk. 1951/52:19-22. 1952. 295.9 N217

9365 BRAUNGER. Frischluft-gekühlte obstlagerräume. Obstbau 71:138-139. (Cont.) Sept.1,1952. 80 Ob73

9366 BRISTOW, J. J. R. Technical developments in concentrate. Fla. State Hort. Soc. Proc. 64:157-159. 1951,pub.1952. 81 F66
Orange juice.

9367 BRUEV, S. N. Effect of commercial handling of apples upon their quality and ability to keep in storage. (In Russian.) Sad i Ogorod 8:30-33. Aug.1952. 80 Sa13

9368 BURRILL, L. M., and ALSUP, B. Fruits and vegetables in the home freezer; factors affecting quality. S. Dak. Agr. Expt. Sta. B. 423,23 p. June 1952. 100 So82

9369 BURTON, W. G. Heat production and ventilation of potatoes bulk stored in farm buildings. Gt. Brit. Min. Agr. Agriculture 59:280-283. Sept.1952. 10 G79J

9370 CAMUS, E. P. Construcción de frigoríficos para frutas. Buenos Aires,Corporación Frutícola Argentina,1951. 14 p. 295 C15

9371 CARDINELL, H. A., and BARR C. G. Post harvest tests with peaches to reduce spoilage; a progress report on trials to improve market quality of peaches. Mich. Agr. Expt. Sta. Q. B. 35:39-51. Aug.1952. 100 M58S

9372 CARDINELL, H. A. Some effects of brushing and sulfur dusting of peaches on decay and shriveling. Mich. Agr. Expt. Sta. Q. B. 35:34-38. Aug.1952. 100 M58S

9373 CASTELLANI, E. Control of premature germination of potatoes and onions. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:359-360. Sept.1952. 16 C72

9374 CHACE, E. M. Adventures in early food technology. Calif. Citrog. 37:464,486-487. Oct.1952. 80 C125

9375 CHERNOVA, M. Use of trench method in storing [feed] squash. (In Russian.) Sad i Ogorod 8:47-48. Aug.1952. 80 Sa13

9376 CHRIST, E. G. Research with the stericooler. Amer. Cranberry Growers Assoc. Proc. Annu. Conv. 83:17-18,20-22. 1952. 81 Am35C
Includes discussion.

9377 COLLINS, P. J. The brine spray cooler as applied to the storage of apples. Refrig. J. 6:39-40,42, 44,46-49. July 1952. 295.8 R255
Includes discussion.

9378 COOK, R. W. A rapid method for the determination of peel oil in citrus juices. Fla. State Hort. Soc. Proc. 64:134-135. 1951,pub.1952. 81 F66

9379 CUILLE, J. Les traitements chimiques des hampes et la pourriture des régimes de bananes. Fruits 7:380-384. Aug./Sept.1952. 80 F9492

9380 DAME. Kartoffellagerschäden und ihre verhinderung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1660-1661. Oct.9,1952. 18 L2346

9381 DANIELIAN, D. O. Again on the technology of grape juice. (In Russian.) Vinodel. i Vinograd. SSSR. 11 (11):26-27. Nov.1951. 95.8 V77

9382 DAWSON, E. H., KIRKPATRICK, M. E., and TOEPFER, E. W. Amount of ascorbic acid required for home freezing of Elberta peaches. Food Res. 17:433-437. Ref. Sept./Oct.1952. 389.8 F7322

9383 DE WET, A. F. The origin of the Kakamas peach; its influence on the South African fruit-canning industry. Farming So. Africa 27:347-350. July 1952. 24 So842

9384 DEXTER, S. T., and SALUNKHE, D, K. Chemical treatment of potato slices in relation to the extraction of sugars and other dry matter and the quality of potato chips. Mich. Agr. Expt. Sta. Q. B. 35:102-109. Aug.1952. 100 M58S

9385 ETCHELLS, J. L., JONES, I. D., and BELL, T. A. Yeasts: brigands in brine. Res. & Farming [N. C. Sta.] Prog. Rpt. 10:3-4. Summer 1951. 100 N81R
Damage caused by yeasts in brine curing of pickles.

9386 FLETCHER, W. A. New Zealand citrus storage trials 1949 and 1951 seasons. Orchardist New Zeal. 25(7):3-5. Aug.1952. 80 Or19

9387 FRESHWATER, P. C. We wanted to treat our fruit right! Amer. Fruit Grower 72(11):8-9,21. Nov. 1952. 80 G85
Cold storage plants on the farm.

9388 GIDDINGS, W. W. A statistical review of Florida's canned citrus. Fla. State Hort. Soc. Proc. 64: 140-144. 1951,pub.1952. 81 F66

9389 GILMAN, W. Autumn crispness in May with C—A storage. Amer. Fruit Grower 72(11):7,22-23. Nov.1952. 80 G85
Shoreham (Vermont) Co-operative Apple Producers Association.

9390 GLASOW, W. Wohin mit der kartoffelernte? Deut. Landwirt.-Gesell. Mitt. 67:619-620. Aug.30,1952. 18 N39
Storage.

9391 GOIDANICH, G., and DELITALA, A. Alterations in apples. (In Italian.) Italia Agr. 89:93-97. Feb. 1952. 16 It1
Storage diseases.

9392 GOTTWALD, H. E. Zitronensäurefabrikation. Zucker 5:300-301. July 1,1952. 65.8 Z82

9393 GOULD, W. A. Watch these eight points to insure quality pack of cream-style corn. Food Packer 33(8):28-29,39. Aug.1952. 286.83 C165

9394 GUTSCHMIDT, J. Uber das gefrieren von spargel. Kältetechnik 4:111-113. May 1952. 295.8 K123

9395 HALLEBAST, VAN DE KERCHOVE D'. Production et commerce des fruits secs. B. Com. Belge 66(8):81-83. Aug.25,1952. 286.8 B41
In Turkey.

9396 HARDY, E. Some methods of fruit storage. Food [London] 21:347-349. Sept.1952. 389.8 F738
Prevention of mold.

9397 HAUPTMANN, K. H. Action des enzymes de filtration dans la fabrication des jus de fruits. Indus. Agr. et Aliment. 69:577-580. July/Aug.1952. 383 As7
English summary.

9398 HAYS, G. L., and RIESTER, D. W. The control of "off-odor" spoilage in frozen concentrated orange juice. Food Technol. 6:386-389. Ref. Oct.1952. 389.8 F7398

9399 HENDRICKSON, R., and KESTERSON, J. W. Storage changes in citrus molasses. Fla. State Hort. Soc. Proc. 63:154-162. 1950,pub.1951. 81 F66

9400 HOLZ, W. Krankheiten an lagernden äpfeln. Gesunde Pflanzen 4:243-247. Sept.1952. 464.8 G33

9401 HRUSCHKA, H. W., and KAUFMAN, J. Storage tests with prepackaged McFarlin and Late Howes cranberries. Pre-Pack-Age 6:20-21. Sept.1952. 280.38 P91

9402 JONES, G. G., and SMOCK, R. M. Hydrocooling of apples. Farm Res. [N. Y. State Sta.] 18(3):12. July 1952. 100 N48A

9403 JOSEPH, G. H., and HAVIGHORST, C. R. Engineering quality pectins. Food Engin. 24(11):87-89, 160-162. Nov.1952. 389.8 F737

9404 KAPUR, N. S., SINGH, K. K., and MATHUR, P. B. Preservation of cole crops. J. Sci. & Indus. Res. 11A:368-369. Ref. Aug.1952. 475 J82
Cold storage and freezing.

9405 LESTAING, J. Les variétés de raisins utilisables pour la préparation des jus de fruits. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 18:3311-3313. July 1952. 24 C352

9406 MALASHENKO, P. V. Soaking apples. (In Russian.) Sad i Ogorod 9:77. Sept.1952. 80 Sa13
For fermentation.

9407 MALDONADO GADOS, J. B. Nuevas orientaciones en la elaboración de achicoria. Ion 12:359-362. July 1952. 385 Io6

9408 MARTÍNEZ DE BILLARD, J. Cáscaras y frutas abrillantadas y glaceadas. Pampa Argentina 25 (295):24-25. July 1952. 9 P19

9409 METLITSKII, L. V., IOFFE, R. M., and SKOPCHENKO, G. A. Methods of preventing the loss of dry matter in tomato fruit. (In Russian.) Akad. Nauk SSSR. Inst. Biokhim. im. A. N. Bakha. Biokhim. Plodov i Ovoshchei. Sborn. 2:107-129. Ref. 1951. 463.29 Ak1

9410 MIDDLETON, J. T., and others. Celery brown checking curb seen. West. Grower & Shipper 23(10):42-44. Sept.1952. 280.38 W52
B. J. Hall, R. T. Wedding, and J. B. Kendrick, Jr., joint authors.

9411 MOHORČIĆ, H. The weight deficiency by stored apples. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6): 140-152. 1951. 21.5 Y9
English summary.

9412 MOORE, E. L., HUGGART, R. L., and HILL, E. C. Storage changes in frozen concentrated citrus juices—preliminary report. Fla. State Hort. Soc. Proc. 63:165-174. 1950,pub.1951. 81 F66

9413 NAITO, N. On a new method of canning of bamboo-shoot without water bleaching. (In Japanese.) Kyushu Noji Shikinjo 8:81-82. Oct.1951. 107.6 K996

9414 OGATA, K. Studies on the storage of perishable agricultural products. IV. On the storage of onions. 2. (In Japanese.) Hort. Assoc. Japan. J. 21:29-36. Ref. June 1952. 87 H78

9415 OMURA, R. Influences of temperature on the respiration of Mandarin orange (Uushu) during storage. (In Japanese.) Kyushu Noji Shikinjo 8:77-78. Oct. 1951. 107.6 K996

9416 ORSHANSKY, J. Cold storage of vegetables in Israel. (In Hebrew.) Hassadeh 32:462-464. (Cont.) July 1952. 26 H27

9417 PATRON, A. Les aciers inoxydables et les industries de transformation des fruits. Fruits 7:385-391. Aug./Sept.1952. 80 F9492

9418 PEDERSON, C. S. Mistakes in salting sauerkraut. (Sum.) Canad. Food Indus. 23(10):49. Oct.1952. 286.83 C166.

9419 PEYER, E. Die geeigneten traubensorten für die herstellung von alkoholfreiem traubensaft. Schweiz. Z. f. Obst- u. Weinbau 61:435-437. Oct.18,1952. 80 Sch9

9420 POOL, J. G. Marketing season is extended by precooling of grapes. Fruit & Veg. Rev. 14(7):18. Oct.1952. 80 C1224
California.

9421 RAUCH, G. H. When it comes to making jams, British are different. Food Engin. 24(10):76-78. Oct. 1952. 389.8 F737

9422 RENTSCHLER, H. Ein verfahren zur herstellung von bouquetreichen apfelsäften mit erhöhter widerstandsfähigkeit gegenüber der alkoholischen gärung. Schweiz. Z. f. Obst- u. Weinbau 61:443-445. Oct.18,1952. 80 Sch9

9423 ROCASOLANO, C. Industrialización de la patata. Cult. Mod. 35:299. Aug.1952. 15 C89

9424 SCHELLNER, H. Erfahrungen mit gaskühlräumen in Dänemark (von einer studienreise). Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2: 194-196. Sept.1952. 105.9 K696
English summary.
Apples.

9425 SOUTH AUSTRALIA. DRIED FRUITS BOARD. Twenty-second report. Adelaide,1951. 11 p. 281.3939 So82

9426 SPERANSKIĬ, V. G. Khranenie plodov [Fruit storage]. Moskva,Gostorgizdat,1952. 146 p. 280.393 Sp3

9427 STAHL, A. L., and JOHN, C. J. Farm-truck to freezer in 19 min. Food Engin. 24(11):142-143,150-151. Nov.1952. 389.8 F737
Broccoli and beans.

9428 STEPHAN, F. Süssmostglockenaktion. Bauer 5(31):8-9. Sept.13,1952. 19 B32

9429 STOLL, K. Einige hinweise für das dörren von äpfeln und birnen. Schweiz. Z. f. Obst- u. Weinbau 61: 431-433. Oct.18,1952. 80 Sch9

9430 STOLL, K., and KLINKOWSKI, M. Möglichkeiten der verhütung von lagerungsverlusten der zwiebel auf züchterischem wege. Deut. Landwirt. 3:467-469. Sept.1952. 18 D4822

9431 TEISER, R., and HARROUN, C. Grape blend battles the soft drinks. Glass Packer 31:668-669. Oct. 1952. 309.8 G463
Manufacture.

9432 VYSHCHEPAN, A. G., and MEL'MAN, M. E. Fiziko-khimicheskie osnovy soleniîa i kvasheniîa ovoshchei [Physical-chemical principles of salting and brining vegetables]. Moskva,Gostorgizdat,1952. 157 p. 389.3 V99

9433 WAGER, H. G., BURTON, W. G., and MANN, G. The storage of ware potatoes in permanent buildings. I. J. Agr. Sci. 42:266-275. July 1952. 10 J822

9434 WENZEL, F. W., MOORE, E. L., and ATKINS, C. D. Factors affecting the consumer cost of frozen orange concentrate. Fla. State Hort. Soc. Proc. 64:82-86. 1951,pub.1952. 81 F66
Processing costs.

9435 WENZL, H. Keimhemmungsmittel für die kartoffellagerung. Pflanzenarzt 5(10):3-4. Oct.1,1952. 464.9 P482

9436 WRIGHT, C. E. Keeping orange juice fresh. Food Engin. 24(11):93,162. Nov.1952. 389.8 F737
Treatment with ultraviolet rays.

9437 YARWOOD, C. E., and HARVEY, H. T. Reduction of cherry decay by washing. Plant Dis. Rptr. 36:389. Oct.15,1952. 1.9 P69P

9438 ZHUKOVSKIĬ, D. I. Preservation of potatoes. (In Russian.) Sad i Ogorod 9:67-69. Sept.1952. 80 Sa13

Statistics

9439 BOSTER, D. O. 1952 crop estimate. Amer. Cranberry Growers Assoc. Proc. Annu. Conv. 83:12-13. 1952. 81 Am35C

9440 CALIFORNIA AGRICULTURAL EXPERIMENT STATION. Selected statistics on California Clingstone peaches for the 1952 canning season, by S. S. Hoos and J. N. Boles. Berkeley,1952. 19 p. 281.3939 C125

9441 DENMARK. STATISTISKE DEPT. Gartneri, erhvervsmaessigt havebrug og frugtavl 1950; statistique sur l'horticulture et des cultures fruitières commercialisées de 1950. Denmark. Statis. Dept. Statis. Meddel. (ser.4)148(2),100 p. 1952. 257.1 St2M

9442 EICHINGER, J. Der gemüseanbau in Bayern 1952; ergebnisse über den endgültigen anbau von gemüse und erdbeeren 1952. Bayern in Zahlen 6:303-304. Aug./Sept.1952. 265 B34

9443 GT. BRIT. COMMONWEALTH ECONOMIC COMMITTEE. INTELLIGENCE BR. Fruit, a summary. London,1952. 144 p. 280.39 G794C
Statistics.

9444 GUATEMALA. DIRECCIÓN GENERAL DE ESTADISTÍCA. Contribución estadística para el estudio del frijol, por R. J. Morales F. Guatemala,1952. 37 p. 254 Es8

9445 HELLER, F. Der obstbau in Bayern; weitere ergebnisse der obstbaumzählung 1951. Bayern in Zahlen 6:300-302. Aug./Sept.1952. 265 B34

9446 KASHIMA, R., and SHIRASAKA, S. Studies on the presumption of sweet potato yields. I. (In Japanese.) Kyushu Noji Shikinjo 8:45-46. Oct.1951. 107.6 K996

9447 KUPPERS-SONNENBERG, G. A. Topinambur ertragreicher als kartoffeln? Saatgut-Wirt. 4:188-190. Ref. Aug.1952. 61.8 Sa1

9448 KUZNETS, G. M., and HARVEY, G. Estimating production of natural raisins in California by use of list sampling. Giannini Found. Agr. Econ. Mimeog. Rpt. 136,33 p. Aug.1952. 281.9 G34M

9449 NEW SOUTH WALES. IRRIGATION RESEARCH EXTENSION COMMITTEE. M.I.A. [Murrumbidgee Irrigation Areas] fruit tree and grape vine census, revision, December 1951. n.p.,1952. 43 p. 271.1 Ir7

9450 POWELL, H. R. Citrus-growing in Western Australia; the 1952 crop reviewed. West. Austral. Dept. Agr. J. (ser.3)1:307. May/June 1952. 23 W52J
Production statistics.

9451 PROULX, T. Statistics on orchards and policies of the Provincial Government in assisting the apple industry. Pomol. & Fruit Growing Soc. Prov. Quebec. Annu. Rpt. 57:106-114. 1950,pub.1951. 82 Q3

9452 SCHELLENBERG, A. Schätzung der weinernte 1952 in der deutschen Schweiz. Schweiz. Z. f. Obst- u. Weinbau 61:368-372. Sept.6,1952. 80 Sch9

9453 SCHREIBER, W. R. Mediterranean almond forecast second largest of record. Calif. Fruit News 126(3351):4-5. Sept.27,1952. 80 C12

9454 SCHREIBER, W. R. World 1952 filbert forecast increased. Calif. Fruit News 126(3350):4-5,9. Sept.20,1952. 80 C12

9455 SCHRÖDER. Die pflanzkartoffelerzeugung 1952 in Weser-Ems. Landwirtbl. Weser-Ems 99:884. Sept.4,1952. 18 L2345
Statistics.

9456 SCHWEIZERISCHER BAUERNVERBAND. Bericht über den stand der obstkulturen. Schweiz. Z. f. Obst- u. Weinbau 61:386-390. Sept.20,1952. 80 Sch9
Schweizerischer Obstverband cooperating.

9457 TAUBITZ. Ergebnisse der obstbaumzählung 1951. Obstbauversring Mitt. 7:152-153. July/Aug.1952. 85 J76
Germany.

9458 TAUBITZ. Was ergibt sich aus der obstbaumzählung? Obstbauberatungsring. Mittbl. 7(4):3. Aug.1, 1952. 85 Ob72
Germany.

9459 U. S. PRODUCTION AND MARKETING ADMIN. Brief review of South Florida snap bean season of 1950-51. Belle Glade,1951. 16 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

9460 U. S. PRODUCTION AND MARKETING ADMIN. Edible tree nuts; U. S. production and farm price, 1926 to date. Washington,1951. 1 p. 1.956 A2Ed4

9461 U. S. PRODUCTION AND MARKETING ADMIN. Louisiana strawberry summary for the 1952 season, by R. B. Johnson. Baton Rouge,1952. 7 p. 1.9 Ec741L
Louisiana State Market Commission cooperating.

9462 U. S. PRODUCTION AND MARKETING ADMIN. Louisiana sweet potatoes; brief summary of 1950-51 season, by E. D. Miller. New Orleans,1951. 3 p. 1.9 Ec741L
Louisiana State Market Commission cooperating.

9463 U. S. PRODUCTION AND MARKETING ADMIN. Maine potatoes, season 1951-52. Presque Isle,1952. 24 p. 1.9 Ec741L
Maine Department of Agriculture, Division of Markets cooperating.

9464 U. S. PRODUCTION AND MARKETING ADMIN. Peach summary for the North Carolina Sandhills, 1952 season, by R. R. Zoller. Southern Pines,1952. 7 p. 1.9 Ec741L
North Carolina State Department of Agriculture, Division of Markets cooperating.

9465 U. S. PRODUCTION AND MARKETING ADMIN. Review of the 1952 celery season, by T. R. Butts. Sanford,1952. 7 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

9466 U. S. PRODUCTION AND MARKETING ADMIN. Summary of 1952 potato season. Foley,Ala.,1952. 3 p. 1.9 Ec741L
Alabama Department of Agriculture and Industry cooperating.

9467 U. S. PRODUCTION AND MARKETING ADMIN. Tennessee strawberry summary for the 1952 season. Humboldt,1952. 3 p. 1.9 Ec741L
Tennessee Department of Agriculture, Division of Markets cooperating.

GRAIN AND GRAIN PRODUCTS

9468 ABBOTT, D. C., MILLER, B. S., and JOHNSON, J. A. A spectrophotometric modification of the Ayre-Anderson method for estimation of proteolytic activity. Arch. Biochem. & Biophys. 38:85-89. July 1952. 381 Ar2
Flour.

9469 AGAFONOV, E. Principles in considering the management of [grain] drying and cleaning on collective farms. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(7):38-43. July 1952. 281.8 So73

9470 ALBERTARIO, P. The truth about the National Rice Corporation. (In Italian.) Gior. di Agr. 62:276. Sept.14,1952. 16 It1G
Italy.

9471 ANDREEVA, A. P. In regard to pressing straw products during combine harvesting of grain crops. (In Russian.) Sel'khozmashina 1:18-19. Jan.1952. 58.8 Se42

9472 AUGHNAY, F. P. Freight rate increases and their effect on the Northwest wheat industry. Oreg. Wheat Growers League. Proc. 24:33,35,37,39,41,43. 1951. 59.9 Ea73

9473 BADENHUIZEN, N. P. The influence of retrogradation on starch grain structure. So. African Indus. Chem. 6:155-157. Ref. June 1952. 385 So8

9474 BALASUBRAMANIAN, S. C., and others. Amino-acid composition of Indian foodstuffs. I. Tryptophane, leucine, isoleucine and valine content of some cereals. Indian J. Med. Res. 40:73-87. Ref. Jan.1952. 448.8 In22
M. Ramachandran, T. Viswanatha, and S. S. De, joint authors.

9475 BALLOW, E. B. Margins and costs in cooperative grain marketing in Kansas. U. S. Farm Credit Admin. B. 66,60 p. May 1951. 166.2 B87

9476 BARMORE, M. A. A report of progress of wheat quality investigations for the western region. Oreg. Wheat Growers League Proc. 24:107-111,113,115, 117,119,121. 1951. 59.9 Ea73

9477 BARROS, H. DE. Grain and livestock; observations made in Brazil. (In Portuguese.) Vida Agr. [Lisboa] 15(90):1-2. July/Aug.1952. 15.5 V66

9478 BATTISTELLI, E. The 1952 grain harvest. (In Italian.) Cron. Econ. 115:40-43. July 1952. 280.8 C882

9479 BEKASOV, A. G., and DENISOV, N. I. Rukovodstvo po sushke zerna [Handbook on grain drying]. Moskva,Gos. Izd-vo Tekhn. i Ekon. Lit-ry po Voprosam Zagotovok,1952. 391 p. 59 B39

9480 BERTARELLI, E. Rice, an important element for Italian agriculture. (In Italian.) Riso 1(7):17-18. Aug.1952. 59.8 R49

9481 BOLTON, C. Ricetown-U. S. A. U. S. A. 2(5):32-39. Nov.1952. 134.8 Un3
Crowley, Louisiana.

9482 BORISOV, I., and MELINA, A. Grain drying on a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(6):24-26. June 1952. 281.8 K83

9483 BOYD, J. S., and BREVIK, T. J. Use of corn cobs as a filler for concrete used in farm construction. 35:87-94. Aug.1952. 100 M58S

9484 BROOKE, C. L. Control of enrichment in the flour mill. Nowest. Miller (Milling Prod. Sect.) 248(16): 1a,21a-22a. Oct.14,1952. 298.8 N81

9485 BUNGENBERG DE JONG, H. L., and IKLAAR, W. Some colloidal aspects of the gluten problem. Kolloid. Z. 128:164-176. Oct.1952. 384 Z315
In wheat.

9486 BUTLER, R. J. A rapid method for mixogram-area measurement. Amer. Assoc. Cereal Chem. Trans. 10:197-198. Oct.1952. 59.9 Am3T

9487 CANADIAN MILLING AND FEED. Buyer's guide. Canad. Milling & Feed 33(7):29-32,34-37,40-44, 46-48,50-62,64. July 1952. 298.8 C162

9488 CANADIAN MILLING AND FEED. Directory of companies. Canad. Milling & Feed 33(7):21-22,24-27. July 1952. 298.8 C162

9489 CHITTENDEN, A. E., COOMBER, H. E., and MORTON, D. Sorghum stalks from the Gold Coast as a paper-making material and as a source of furfural. Colon. Plant & Anim. Prod. 2:299-305. 1951. 472 C71

9490 CLERCK-LOWEN, J. DE. Die beurtellung von braumalz. Brauwissenschaft 9:160-162. Sept.1952. 390.8 B733

9491 COLOMBIA. MINISTERIO DE AGRICULTURA. DIV. DE ECONOMIA RURAL. Producción de arroz en Colombia, by R. Varela Martinez. Bogotá,1951. 27 p. 281.359 C71

9492 COMBS, W. B. Grain marketing in the Western States. Washington,U. S. Ext. Serv.,1952. 7 p. 1.913 A2C732
Prepared for use at Western States Extension Marketing Conference at Utah Agricultural College, Logan, Sept. 29 to Oct. 3, 1952.

9493 CONSOLINI, A. Grain contests in Lombardy, 1952 season. (In Italian.) Humus 8(7/8):18. July/Aug. 1952. 16 H88
Yields obtained.

9494 COOK, A. H., and POLLOCK, J. R. A. Chemical aspects of malting. I. Removal of free amino acids and sugars from barley during steeping. Inst. Brewing. J. (n.s.)49:325-330. Ref. Sept./Oct.1952. 390.9 In7

9495 DALMASSO, G. Bread and wine—in France. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:309-311. Aug.1952. 16 C72
Grain prices and the wine situation.

9496 DE HEVESY, P. Bread and taxation; the open market system. Milling 119:194-195. Aug.23,1952. 298.8 M622
Includes grain.

9497 DITTEMORE, P. L. A look-around at milling and millers. (Adapted.) Nowest. Miller (Milling Prod. Sect.) 248(20):1a,4a-8a. Nov.11,1952. 298.8 N81

9498 DOMINICAN REPUBLIC. SECRETARÍA DE ESTADO DE AGRICULTURA, PECUARIA Y COLONIZACIÓN. Boletín estadístico: arroz año 1951. San Cristóbal,1951. 50 p. 254.8 D7122

9499 ENGLISH, E. D. The use of commodity exchanges by flour millers. Nowest. Miller 248(12):34-35. Sept.16,1952. 298.8 N81

9500 ENGLISH, E. D. The use of the commodity exchange by millers. Mod. Miller & Bakers News 79(19): 19,30-31. Sept.13,1952. 298.8 M72

9501 ERNST, J. Gersten der ernte 1952. Brauwelt 38:906-907. Sept.18,1952. 390.8 B732
Composition in Germany.

9502 FARLOW, L. Storing profitably in country elevator. Grain & Feed J. Consolidated 109(7):17,19-20,23. Oct.8,1952. 298.8 G762

9503 FLORES, A., and SILVELA, F. La calidad harinopanadera y la condición comercial del trigo importado durante el año 1951. Spain. Inst. Nac. de Invest. Agron. B. 12:249-287. June 1952. 105.6 Sp14
English summary.

9504 GARIBOLDI, F. Aspects of the industry in the United States. (In Italian.) Riso 1(7):7-12. Aug.1952. 59.8 R49

9505 GLABAU, C. A. Baking characteristics of the 1952 northwestern flour. Bakers Wk. 156(6):40-43. Nov.10,1952. 389.8 B172

9506 GÖPP, K. Die 2. bundes-braugersten-ausstellung in Würzburg. Brauwelt 38:908-911. Sept.18, 1952. 390.8 B732

9507 GRAIN AND FEED DEALERS NATIONAL ASSOCIATION. Directory, fall 1952. St. Louis,1952. 72 p. 225 G763

9508 GRAIN EXCHANGE INSTITUTE. Grain and its marketing. Chicago,1951. 425 p. 280.359 G763
Sponsored by Association of Grain Commission Merchants.

9509 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Heating of grain. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 404,7 p. Aug.1952. 10 G79La

9510 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. WORKING PARTY ON GRAIN DRYING AND STORAGE. Grain drying and storage in Great Britain. Report. London,H. M. Stationery Off.,1952. 25 p. 280.359 G795G

9511 GRILLOT, G., and LOISIL, L. La qualité du riz au Maroc. Terre Marocaine 274:325-326. Sept. 1952. 24 T44

9512 HACHMANN. Die feuchtigkeitsbestimmungen beim getreide. Mühle 89:602. Sept.18,1952. 298.8 M89

9513 HALL, T. E. Co-op balance sheet. Co-op Grain Q. 10(3):11-15. Sept.1952. 280.28 C7898
Grain cooperatives.

9514 HALL, T. E. Grain regionals operate skillfully. Grain Prod. News 5(2):7-8. Sept.1952. 286.81 G764

9515 HALL, T. E. Grain regionals operate skillfully. News Farmer Coop. 19(5):11-12. Aug.1952. 166.2 N47

9516 HANNAN, T. B. Milling Irish wheat; effects of heat treatment on gluten content. Milling 119:373. Oct.11,1952. 298.8 M622

9517 HANNAN, T. B. Storing and drying wheat in Ireland; drying at varying moisture contents. Milling 119:310,312. Sept.27,1952. 298.8 M622

9518 HARTARD EBERT, M. Siembra y producción de trigo. Campesino [Santiago] 84(8):29. Aug.1952. 9.3 So12

9519 HARTARD EBERT, M. Siembras y cosechas de arroz. Campesino [Santiago] 84(7):11. July 1952. 9.3 So12
Statistics for Chile.

9520 HEUSS, R. Die ermittlung des gerstenextraktes auf rechnerischer grundlage. Brauwelt 38:912-915. Sept.18,1952. 390.8 B732

9521 JAMISON, L. R. Modern developments in sanitary transportation of grain and flour. Bakers Wk. 156(5):83-88. Nov.3,1952. 389.8 B172

9522 JAMISON, L. R. Recent developments in sanitary shipment of flour and cereals. Nowest. Miller 248 (18):12-13,36. Oct.28,1952. 298.8 N81

9523 JENSEN, R. On isolation and amino acid composition of "β-globulin" extracted from the seeds of barley (Hordeum vulgare). Acta Chem. Scand. 6:771-781. Ref. 1952. 385 Ac82

9524 KENT, N. L., and JONES, C. R. The cellular structure of wheat flour. Cereal Chem. 29:383-398. Sept.1952. 59.8 C33

9525 KJAR, N. A. M. Increasing our home grown stock grains. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:219-221. Aug.1952. 23 T182T

9526 KOMEYER, M. R. El arroz, uno de los principales alimentos del hombre. Mensajero Agr. 75: 34-35,70. Aug.1952. 9.8 M52

9527 KROSBY, P. What about seed grain? (In Norwegian.) Norsk Landbr. 18:357-358. Oct.10,1952. 11 N8122

9528 KUNG, P. Achievements in Taiwan rice production increase—and its future prospects. Chin.-Amer. Econ. Coop. 1(8):63-72. Aug.1952. 173.2 M98C

9529 LARKIN, R. A., MACMASTERS, M. M., and RIST, C. E. An improved method for the determination of bran and germ particles in wheat flour. Cereal Chem. 29:414-419. Ref. Sept.1952. 59.8 C33

9530 LARKIN, R. A., MACMASTERS, M. M., and RIST, C. E. Relation of endosperm cell wall thickness to the milling quality of seven Pacific Northwest wheats. Cereal Chem. 29:407-413. Sept.1952. 59.8 C33

9531 LARRICK, G. P. The FDA grain sanitation program. Nowest. Miller (Milling Prod. Sect.) 248(16): 3a-6a. Oct.14,1952. 298.8 N81

9532 LEVANTE, C. The grain situation. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(75):1-2. Sept.3,1952. 281.8 Ag3

9533 LONDON RICE BROKERS' ASSOCIATION. Rice. London,1952. 2 p. 286.359 L84R
The industry.

9534 MACGIBBON, D. A. The Canadian grain trade, 1931-1951. Toronto,U. Toronto Press,1952. 227 p. 280.359 M17

9535 MACLEOD, A. M. Studies on the free sugars of the barley grain. II. Inst. Brewing. J. (n.s.)49:363-371. Ref. Sept./Oct.1952. 390.9 In7

9536 MAES, E. Recherches concernant la valeur boulangère des races sélectionnées de froment belge. Rev. de l'Agr. 5:783-791. Aug.1952. 13 R322
English summary.

9537 MANNES. Ergebnisse der winterweizensortenprüfungen 1952. Hannoversche Land- u. Forstwirt. Ztg. 105:945-946. Sept.20,1952. 18 H194
Yields.

9538 MANNESSIER, C. Stockage et conservation des grains. Agr. Prat. 116:453-454. Sept.1952. 14 J82
France.

9539 MASON, M. J., and HORST, R. J. Corn industry viscometer for evaluation of starches and enzymes. Paper Mill News 75(42):117-118. Oct.18,1952. 302.8 P195

9540 MAZZA, G. C. School propaganda for rice consumption. (In Italian.) Riso 1(7):24-26. Aug.1952. 59.8 R49

9541 MICKA, J. Zeleny's sedimentation test for biscuit and cracker flours. Amer. Assoc. Cereal Chem. Trans. 10:188-192. Oct.1952. 59.9 Am3T

9542 MILLS, T. C. Cost reduction with pneumatic conveying. Canad. Milling & Feed 33(8):21-22. Aug. 1952. 298.8 C162

9543 MISSOURI GRAIN, FEED AND SEED ASSOCIATION. 1952 annual directory. n.p.,1952. 221 p. 225 M69

9544 MORREO, M. A. Veinte veces la semilla. Agro [Maracay] 7(21):79-81. June/Aug.1952. 9.95 Ag83
Wheat yields in Venezuela.

9545 MUNSEY, V. E. Report on cereals. Assoc. Off. Agr. Chem. J. 35:681-682. Aug.15,1952. 381 As7

9546 MURRAY, R. E. W. Influence of atmospheric humidity on mill operations. Merits and methods of air conditioning in mill buildings. Milling 119:213-215. (Concl.) Aug.30,1952. 298.8 M622

9547 NAGHSKI, J., BRICE, B. A., and KREWSON, C. F. Production of buckwheat leaf meals with high rutin content. Amer. J. Pharm. 124:297-306. Ref. Sept.1952. 396.8 Am3

9548 NEBRASKA FARMERS ELEVATOR ASSOCIATION. 1952 directory of Nebraska farmers cooperatives and Colorado cooperative elevators. Omaha,1952. 85 p. 225 N28

9549 PAUKNER, E., and RUBENOW, W. Gerstenuntersuchungen des jahrgangs 1952 unter besonderer berücksichtigung der extraktbestimmung. Brauwelt 38: 897-901. Ref. Sept.18,1952. 390.8 B732

9550 PERU. DEPT. DE ESTADISTICA AGROPECUARIA. Estadística de la producción de cebada, maíz y papa en el Peru, 1950. Lima,1951. 40 p. 59.9 P433

9551 PHELPS, H. D. In-sack grain drying. Elect. Rev. 150:1365-1366. June 20,1952. 335.8 EL22

9552 PICKERING, S. The national silos. Gt. Brit. Min. Food. B. 670:2-3. Sept.27,1952. 389.9 G79B

9553 POHLHEIM, P. VON, and KUMMER, H. Über die benennung und wertbeurteilung von mühlennachprodukten des weizens und roggens. Landwirt. Forsch. 4: 195-204. Ref. 1952. 18 L2333

9554 POTTER, G. C., SHELLENBERGER, J. A., and MILNER, M. The effect of cleaning on the detection of insect egg plugs in wheat. Amer. Assoc. Cereal Chem. Trans. 10:181-187. Oct.1952. 59.9 Am3T

9555 PREECE, I. A., and MACKENZIE, K. G. Non-starchy polysaccharides of cereal grains. I. Inst. Brewing. J. (n.s.)49:353-362. Sept./Oct.1952. 390.9 In7

9556 PROCOPIO, M. New process for conditioning grain. (In Italian.) Italia e i Cereali 6:537-538. Oct. 1951. 59.8 It1

9557 RICHEY, P. S., and JOHNSON, T. D. Grain elevator success factors. Mktg. Activ. 15(8):3-5. Aug. 1952. 1.942 A8M34
Construction and operation.

9558 RICO SANZ, J. Aumenta la superficie arrocera y el número de sus cultivadores. Rev. Sind. de Estadís. 7(26):2-5. Second Q.1952. 263 Es8B
Spain.

9559 ROTH, G. Great Lakes cruise on a wheat boat. Co-op Grain Q. 10(3):25-37. Sept.1952. 280.28 C7898

9560 RUIZ S., A. Almacenamiento y conservación de granos en Costa Rica. Col. de Ingen. Agron. An. 4:54-62. 1951. 58.9 C82

9561 SAINCLIVIER. Le séchage des grains. Indus. Agr. et Aliment. 69:581-584. July/Aug.1952. 383 As7

9562 SAINT-QUENTIN, M. L'organisation d'un chantier de battage avec pressage de paille. Rustica 25:843,860. Sept.7,1952. 14 R92

9563 SASKATCHEWAN. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION DEPT. Saskatchewan boys' and girls' clubs: grain regulations—1952. Saskatchewan,1952. 4 p. 275.29 Sa7S

9564 SEBESTYEN, E. J. The rice milling process; discussion and elucidation of problems. Milling 119:264-266,268-270. Sept.13,1952. 298.8 M622

9565 SCHILLER, G. W. The farinograph—yours and mine. Baking Indus. 98(1232):43-46. Oct.11,1952. 389.8 B17

9566 SERRANO, F. B. The rice industry and scientific research. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.170-178. Manila,Graphic House,1952. 37 P533

9567 SMITH, W. H. Biscuit flours. Biscuit Maker & Plant Baker 3:286-291. Sept.1952. 389.8 B54

9568 SOL, J. Le scandale du prix du riz. Bouches du Rhône Agr. 24(1065):1-2. Jan.1,1952. 14 B662

9569 SPINDLER, F. Qualitätsverlust beim lagern von getreide. Deut. Müller-Ztg. 50:425-426. (Concl.) Aug.20,1952. 298.8 Su2

9570 SREENIVASAN, A. Nutritional aspects of cereal milling. J. Sci. & Indus. Res. 11A:297-300. Ref. July 1952. 475 J82

9571 STEAGALL, E. F. Report on starch in cereal products. Assoc. Off. Agr. Chem. J. 35:691-692. Aug. 15,1952. 381 As7

9572 STOPFORD, R. R. Grain storage. Estate Mag. 52:420-421. Oct.1952. 10 Es8

9573 STOREK, J., and TEAGUE, W. D. Flour for man's bread; a history of milling. Minneapolis,U. Minn. Press,1952. 382 p. 298 St7

9574 STROHECKER, R., and MÜLLER, H. Über den nachweis von stechapfelsamen als giftigen bestandteil in buchweizenmehl. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:17-23. July 1952. 384 Z39

9575 SUGDEN, G. H. Principles of purification. Milling 119:346-349. Oct.4,1952. 298.8 M622
Grain in mill stocks.

9576 SUOMINEN, H. S. Der einfluss kontinuierlicher hochdruck-kochung auf die gerstenstärke. (Sum.) Brauwelt 40:964. 40:964. Oct.2,1952. 390.8 B732

9577 SWARBRECK, G. E. Britain's position as flour producer being re-established. Nowest. Miller 248(19):68-69. Nov.4,1952. 298.8 N81

9578 SYKES, P. The flour market. Foreign Trade 12(301):5-8. Oct.4,1952. 286.8 C162
Ceylon.

9579 TEAKLE, L. J. H. What makes good baking quality wheat? Soil and climatic factors—plus the economic factor! Australas. Baker & Millers' J. 55 (666):42-44,46,48-50,53-54,57-58. Sept.1952. 298.8 Au7
Includes discussion.

9580 TEMPLETON, W. H., and COPPOCK, J. B. M. Cereals and cereal products. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:807-819. Ref. 1951. 382 M31R

9581 THOMAS, B., and ANDERS, E. Die standard-wasserbestimmung—eine konventionalmethode mit ungenügenden vereinbarungen. Wiss. Müllerei 9:89-95. In Müllerei 5(38). Sept.20,1952. 298.8 M91

9582 THOMSON, J. Are moisture tests reliable? Fairie Farmer, Gen. Ed. 124(12):1,30-31. June 21,1952. 6 P883
Moisture tests of grain.

9583 TURNER, A., JR. Determination of rutin in buckwheat leaf meal and other plant materials. Analyt. Chem. 24:1444-1445. Ref. Sept.1952. 381 J825A

9584 U. S. BUR. OF AGRICULTURAL ECONOMICS. Variability of corn yields by counties in the United States, by R. R. Botts and E. L. Barber. Washington,1952. 54 p. 1.941 H2M28

9585 U. S. PRODUCTION AND MARKETING ADMIN. The transportation and handling of grain by motortruck in the Southwest, by W. J. Hudson and E. K. Henschen. Washington,1952. 65 p. 1.956 M343T68

9586 VAN PATTEN, E. M. Amaizo controls waste. Chemurg. Digest 11(10):4-6. Oct.1952. 381 N213Na
Corn milling.

9587 VOTTERO, G. F. The bread that causes insanity. (In Italian.) Italia e i Cereali 6:579-580. (Cont.) Nov.1951. 59.8 It1
Ergot poisoning.

9588 WAILES, R. The windmills of Cambridgeshire. Milling 119:374-376. Oct.11,1952. 298.8 M622

9589 WELLHOENER, H. J. Gersten der ernte 1952. Brauwelt 40:966-967. Oct.2,1952. 390.8 B732
Analysis of German barleys.

9590 WILSON, R. Australian wheat growers grumble; wheat producers want tax relief, higher I.W.A. [International Wheat Agreement] prices and a lower quota. Country Guide 71(9):7,68-69. Sept.1952. 7 G76

9591 WIRTH. Die neue getreideernte 1952. Bad. Landwirt. Wchnbl. 119:616. Sept.7,1952. 18 B142

9592 WOLF, M. J., and others. Studies of water-insoluble hemicelluloses of the endosperm cell walls in relation to milling quality of seven Pacific Northwest wheat varieties. Cereal Chem. 29:399-406. Ref. Sept. 1952. 59.8 C33
H. L. Seckinger, E. C. Rosewall, M. M. MacMasters, and C. E. Rist, joint authors.

9593 ZIPOY, J. Red tape is hard to cut. Grain & Feed J. Consolidated 109(6):21-23. Sept.24,1952. 298.8 G762
Feed and grain price controls.

HONEY AND BEESWAX

9594 CONSUMER and retail store honey survey of Oklahoma, 1952. Mod. Beekeeping 36:311-313. Sept.15, 1952. 424.8 B397

9595 COOK, R. N. The value of honey shows. Brit. Bee J. 80:598. Sept.20,1952. 424.8 B77

9596 CRITCHLEY, C. E. Market prospects for honey in Britain. Austral. Dept. Com. & Agr. Overseas Trading 5(3):12-13. July 1952. 286.9 Au7

9597 CUTTS, N. A. Liquefying granulated honey with advice on bottling. Agr. Gaz. N. S. Wales 63:431-433. Aug.1952. 23 N472

9598 EASTLEY, A. L. A survey of marketing under the South Australian Honey Board. Australas. Beekeeper 54:80-85. Sept.15,1952. 424.8 Au72

9599 GLABAU, C. A. How honey may be used in bakery products. Bakers Wk. 155(12):48-49. Sept.22, 1952. 389.8 B172

9600 GÖCKE, C. Die aufbereitung und die aufbewahrung des honigs. Nordwestdeut. Imkerztg. 4:251-252. Aug.1952. 424.8 N753

9601 GONNET, P. J. Le miel: parfum, saveur, arôme. Montfavet (Vaucluse),Librairie de Vulgarisation Apicole,1951. 124 p. 424 G58

9602 MILUM, V. G., and others. Honey handling round-up. Amer. Bee J. 92:455-474. Nov.1952. 424.8 Am3
Marketing.

9603 SAMSON, E. Valeur marchande du miel. Gaz. Apic. 53:181-182. June 1952. 424.8 G25

9604 SCHÜSSLER. Der schutz des einheitsglases. Deut. Bienenwirt. 3:152-153. Aug.1952. 424.8 D489

9605 SOUTH AUSTRALIAN HONEY BOARD. Second annual report. Australas. Beekeeper 54:52-57. Aug.15,1952. 424.8 Au72

9606 STEINER, H. Werbung führt zum erfolg! Deut. Bienenwirt. 3:146-147. Aug.1952. 424.8 D489
Honey.

9607 TINKHAM, L. B. C'mon "little" beekeeper, let's go! Mod. Beekeeping 36:302-305. Sept.15,1952. 424.8 B397
National Honey Week.

LIVESTOCK AND LIVESTOCK PRODUCTS

9608 ALBERTARIO, P. The production of beef in Italy. (In Italian.) Mondo del Latte 8:461-462,465,467-468,471,473-476,479. Aug.1952. 44.8 M74
The industry.

9609 AMERICAN MEAT INSTITUTE. Proceedings of the 47th annual meeting. Natl. Provisioner 127(16): 293 p. Oct.18,1952. 286.85 N21
Summaries of papers in Meat 37(5),182 p. Oct.1952. 286.85 M464

9610 AMERICAN MEAT INSTITUTE FOUNDATION. Scientists report on research work. Natl. Provisioner 127(16):158-164. Oct.18,1952. 286.85 N21
Panel discussion.

9611 ARCES, P. J. D'. Quelques vues d'ensemble sur la production animale en Algérie. Zootechnia 1(2): 45-48. Mar./Apr.1952. 41.8 Z73
English summary.

9612 BECKMAN, H. J. Hog hatchery—Albert Emhoff & son discover that selling pigs as feeders pays off. West. Livestock J. 30(48):129. Aug.15,1952. 6 F2278

9613 BONY, A. Le problème de la viande. Coopération 22:20-25. Sept.1952. 280.28 C7845
France.

9614 COCHRANE, R. H. A planned beef industry. New Zeal. Farmer 73(13):19-20. Aug.28,1952. 23 N484

9615 CONWAY, H. M. Good outlook for all live stock 1952-53 season. Natl. Live Stock Prod. 30(12):8, 10. Oct.1952. 280.38 N21

9616 CONWAY, H. M. Stronger consumer demand favoring all live stock. Natl. Live Stock Prod. 31:10. Nov.1952. 280.38 N21
Meat situation.

9617 CORRÊA, V. The meat problem in Paraná. (In Portuguese.) Rev. dos Criadores 23(7):5-6. July 1952. 43.8 R32

9618 CROUSE, E. F. God's own cow country. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:131-132. Oct.1952. 281.8 Am32
The Nebraska Sandhills.

9619 CULLEN, M. O. A meat training program for food service personnel of the Armed Forces. Reciprocal Meat Conf. Proc. 4:16-21. 1951. 50.9 R24

9620 DALEY, J. The fat lamb industry; an increasing demand for sires. Past. Rev. 62:825,827. Aug.16, 1952. 23 Au75
In Australia.

9621 DAVIS, F. E., and DIETZ, G. J. Summary of seven week survey in May and June on Mexican cattle situation. S. Dak. Stockgrower 6(8):12-13. Sept.15,1952. 49 So84

9622 DILLON, M. Beef. Agr. Ireland 9:208-209. Sept.1952. 10.5 Ag8
The cattle industry.

9623 DORAN, L. A quick look at the stocker and feeder situation. Co-op. Shipper 32(9):8-9. Sept.1952. 280.38 C78

9624 DRENNER, W. E. Cattle expansion in the Southeast. Feedstuffs 24(46):56-58. Nov.15,1952. 286.81 F322

9625 DRENNER, W. E. Livestock industry in the Argentine. Livestock Wk. 6(47):13,48,54,62,65. Oct.1952. 49 L753

9626 DUDNIK, A. G. Achievements of collective farms in Kaliningrad Region. (In Russian.) Sotsialist. Zhivotnovod. 14(4):76-77. Apr.1952. 49 So71
Fulfillment of Three-Year Plan for livestock production.

9627 ECHEVERRI, L. G. El porvenir de la industria ganadera. Rev. Agr. y Ganad. 13(150):22-23. July 1952. 9.4 R327
Colombian cattle.

9628 EDGAR, R. A. Available audio-visual aids and others desired in teaching the scientific principles of meat and meat products. Reciprocal Meat Conf. Proc. 4:70-71. 1951. 50.9 R24

9629 ERNST, R. L. Die australische und neuseeländische lederindustrie und ihre grundlagen. Leder 3: 230-235. Sept.1952. 303.8 L492

9630 FAGOT, V. Pour moderniser la production des veaux de boucherie. Sillon Belge 22(528):3. (Cont.) Oct.4,1952. 13 Si3
The industry.

9631 FANNING, J. W. Where are we in this beef cattle business? Washington,U. S. Ext. Serv.,1952. 6 p. 1.913 M2W57
Talk at a Short Course on Beef Cattle Production held by the Division of Animal Husbandry of the Georgia College of Agriculture, July 17 and 18, 1952.

9632 FARWELL, E. D. Proposed standards for teaching meats in college. Reciprocal Meat Conf. Proc. 4:58-61. 1951. 50.9 R24

9633 FETISOV, V. We shall secure the safety and improve the quality of the procured cattle. (In Russian.) Mîasnaîa Indus. SSSR. 23(3):55-57. May/June 1952. 50.8 M58

9634 FYSH, D. Adhesives: animal glue. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:635-639. 1951. 382 M31R

9635 GORSHKOV, A. Improving the quality of livestock products. (In Russian.) Kolkhoz. Proizvodstvo 12 (9):35-37. Sept.1952. 281.8 K83
Policy of Bol'shevik Kolkhoz in Gus'-Khrustal'nyi District, Vladimir Region.

9636 HARDENBERGH, W. Everything going up except profit. Natl. Provisioner 127(16):105-108. Oct.18, 1952. 286.85 N21
The situation in the industry.

9637 HARVEY, N. About bacon. New Statesman & Nation 44:312. Sept.20,1952. 280.8 N2132
Great Britain.

9638 HESS, M. H. Rabbits, the foundation for profitable establishment of departmental business. Small Stock Mag. 36(11):20. Nov.1952. 48.8 P442

9639 HICKMAN, C. W. Among English flocks. Natl. Wool Grower 42(10):18-19. Oct.1952. 45.8 N21N
Sheep and beef production.

9640 HÖNL, V. Die fleischversorgung im kalenderjahr 1951 in Württemberg-Baden. Statis. Monatsh. Württemb-Baden 6:213-215. July 1952. 265 St24

9641 HOSS, R. Feeder lambs, farm flocks should pay off this year. Kans. Stockman 38:64-65. Nov.1952. 49 K134

9642 IMPERIAL CHEMICAL INDUSTRIES. Bedacryl L in leather finishing. Birmingham,1951. 6 p. (Its Technical Circular) 303 Im7

9643 IVES, J. R. Livestock and meat supply picture. Natl. Provisioner 127(16):165-170. Oct.18, 1952. 286.85 N21

9644 JONES, J. M. Our industry and the Democratic platform. Natl. Wool Grower 42(9):5-6. Sept.1952. 45.8 N21N

9645 JONES, L. L. Need for product development; improvement of leather through a stepped-up research program is urged. Leather & Shoes 123(23):19,55-57. June 14,1952. 303.8 H53

9646 KNAPP, E. Southwest Louisiana's thriving [beef] cattle industry. Gulf Coast Cattleman 18(8):9-10. Oct.1952. 43.8 G95

9647 KRAUSE, O. E. Wisconsin cattle production and marketing. Wis. Dept. Agr. B. 313,48 p. May/June 1952. 2 W752Bu

9648 KUNKLE, L. E. How to teach the science & technology of meat and meat products. Reciprocal Meat Conf. Proc. 4:72-75. 1951. 50.9 R24
Includes discussion.

9649 KUTIKOV, S. I. Working out the problems of animal industry development in the prospective plans of collective farms in Polesye, Ukrainian SSR. (In Russian.) In Kief. Académie des Sciences. Institut Ėkonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p. 232-254. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

9650 KUTNEWSKY, F. The cattle capital. N. Mex. 30(10):15-17,47. Oct.1952. 288.8 N46

9651 LAMAS, E. Fundamentos para la planificación del bañado Carrasco en la producción de pieles de nutrias (Myocastor coypus). Banco Hipotecario del Uruguay. B. 2(51):13-21. Apr./May 1952. 284.9 B2267

9652 LONGWELL, J. H. Meat research—its place in the experiment station program. Reciprocal Meat Conf. Proc. 4:228-231. 1951. 50.9 R24

9653 MCILWRAITH, V. Ontario holds fourth annual livestock-poultry conference. Canad. Milling & Feed 33(8):16-18. Aug.1952. 298.8 C162

9654 MAIOCCO, F. A fifty billion industry in rabbits over the whole of Italy. (In Italian.) Agricoltura 1(8):29-32. Aug.1952. 16 Ag8226
English summary.

9655 MAKHARINETS, N. I. For a new advancement of the public livestock industry on the collective farms of Moldavia. (In Russian.) Sotsialist. Zhivotnovod. 14(6):8-16. June 1952. 49 So71

9656 MANSI, T. Livestock raising and grain culture in the South. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(86):1-3. Oct.11,1952. 281.8 Ag3

9657 MASSARA, E. Remarks and observations on some relations between livestock production and human nutrition. (In Italian.) Prog. Vet. 7:537-538,540,542-544, 546-548,550. Ref. Aug.1/15,1952. 41.8 P942

9658 MITCHELL, M. P. Cattle feeding outlook for 1952-53. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers, Sept.15,1952:1-2,4. 275.29 In2Em

9659 MONIOD, E. Pour l'amélioration de la production ovine du Maroc. Terre Marocaine 274:347-350. Sept.1952. 24 T44

9660 MONTGOMERY, G. A. Cattle shortage fades last. Capper's Farmer 63(10):26,34. Oct.1952. 6 M693

9661 MYERS, E. A. Iron in their blood. West. Livestock J. 30(48):102,105,107-110. Aug.15,1952. 6 F2278
History of the livestock industry in the West.

9662 NEVZOROV, G. A. A leading district of developed livestock industry. (In Russian.) Sotsialist. Zhivotnovod. 14(6):40-48. June 1952. 49 So71
Fulfillment of Three-Year Plan on collective farms of Oknitskii District, Moldavian SSR.

9663 NEW ZEALAND MEAT PRODUCERS BOARD. Thirtieth annual report and statement of accounts for year ended 30th June 1952. n.p.,1952. 72 p. 50.9 N48

9664 POAGUE, W. R. Beef—a political football. Shorthorn World 37(15):11-12,33-34. Oct.25,1952. 43.8 Sh8

9665 POLLOCK, R. C. Progress in the meat program. West. Livestock J. 30(42):35,59. July 15,1952. 6 F2278
The livestock and meat situation.

9666 PRINGLE, K., and PRINGLE, H. F. The town of ham. Nation's Business 40(10):38-41,94-95. Oct. 1952. 286.8 N212
The industry in Smithfield, Virginia.

9667 RECIPROCAL MEAT CONFERENCE, 4, CHICAGO, 1951. Report of proceedings, June 12, 13, 14, 1951. Chicago,1951. 231 p. 50.9 R24

9668 REED, R. R. Here's how sheep can make a profit for you! N. J. Farm & Gard. 23(10):14-15,73. Oct.1952. 6 G162
Chiefly on the industry in New Jersey.

9669 ROMANENKO, I. N. Methods of drawing up prospective plans for the development of animal industry on collective farms in Ukrainian SSR. (In Russian.) In Kiev. Académie des Sciences. Institut Ékonomiki. Voprosy perspektivnogo planirovaniia v kolkhozakh, p. 207-231. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

9670 RUBERTI, M. Nothing goes to waste in the raising of beavers. (In Italian.) Agricoltura 1(9):55-57. Sept.1952. 16 Ag8226
The industry in Italy.

9671 SAKURAI, M. Production and marketing of the Impaku calves. (In Japanese.) Nogyo Sogo Kenkyu 6 (3):187-212. July 1952. 22.5 N687
Japan.

9672 SALDARRIAGA R., M. El momento actual de la industria pecuaria en Colombia. Soc. Antioqueña de Agr. B. Agr. 388:3587-3589. Aug.1952. 9.4 So1

9673 SHERA, G. The dressed meat trade. Foreign Trade 12(301):9-10. Oct.4,1952. 286.8 C162
Ireland.

9674 SNYDER, R. W. Emergency Extension activities in the civilian defense program for small slaughterers. Reciprocal Meat Conf. Proc. 4:36-38. 1951. 50.9 R24

9675 THORNE, G. B. The production, utilization and conservation of meats and meat products as related to the needs and objectives of a civilian defense program. Reciprocal Meat Conf. Proc. 4:22-27. 1951. 50.9 R24

9676 UNIVERSITY COLLEGE OF WALES. DEPT. OF AGRICULTURAL ECONOMICS. Store cattle survey, 1947-1950, by B. H. Roberts. Penglais,1952. 24 p. 43.9 Un33

9677 VALENTE, C. The livestock situation and the problem of feed. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(79):1-3. Sept.17,1952. 281.8 Ag3

9678 VAN HORN, J. L. Research, demonstration and production. Mont. Wool Grower 26(10):11-12. Oct. 1952. 45.8 M762
Sheep industry.

9679 VEYRET, P. Géographie de l'élevage. Ed. 3. Paris?Gallimard,1951. 254 p. (Geographie Humaine 23) 40 V642

9680 WAGONER, J. J. History of the cattle industry in southern Arizona,1540-1940. Tucson,1952. 132 p. Ref. (Arizona. University,Tucson. Bulletin, v. 23, no. 2, Social Science Bulletin, no. 20) 286.343 W12

9681 WARNER, K. F. Extension opportunities in meat. Reciprocal Meat Conf. Proc. 4:47-49. 1951. 50.9 R24

Analysis and Composition

9682 ANDERSON, P. A. Combining the principles of carcass evaluation with livestock production and judging courses. Reciprocal Meat Conf. Proc. 4:63-64. 1951. 50.9 R24

9683 BARD, J. C., OSTLE, B., and TISCHER, R. G. A comparison of two methods for the determination of moisture content in heat processed beef. Iowa State Coll. J. Sci. 26:581-587. Ref. July 1952. 470 Io9

9684 BHAT, G. N. Studies on the scouring temperature of wool wax. Indian Textile J. 62:750-752. Ref. Sept.1952. 304.8 In2

9685 BORGHINI, C. Brief considerations on bacteriological examination of meat. (In Italian.) Prog. Vet. 6: 596. Nov.1,1951. 41.8 P942

9686 BOUVIER, G. Le test de Schönberg en inspection des viandes. Schweiz. Arch. f. Tierheilk. 94:589-590. Sept.1952. 41.8 Sch9

9687 BRAY, R. W. Physical and histological phases of meat research. Reciprocal Meat Conf. Proc. 4:158-164. 1951. 50.9 R24
Includes discussion.

9688 DAPPLES, C. A propos de la teneur en eau des produits de charcuterie. Schweiz. Arch. f. Tierheilk. 94:586-587. Sept.1952. 41.8 Sch9

9689 DEATHERAGE, F. E. A survey of the organoleptic testing methods used in meats research. Reciprocal Meat Conf. Proc. 4:184-195. 1951. 50.9 R24
Includes discussion.

9690 DEBROT, S. Remarques sur le pH des viandes. Schweiz. Arch. f. Tierheilk. 94:587-588. Sept.1952. 41.8 Sch9

9691 DROZDOV, N., and MATERANSKAIA, N. Determination of carbonyl compounds in [animal] fats. (In Russian.) Miasnaia Indus. SSSR. 23(3):73-75. May/June 1952. 50.8 M58

9692 DROZDOV, N., and STARIKOVA, L. On some methods for analyzing the quality of [animal] food fats. (In Russian.) Miasnaia Indus SSSR. 23(1):81-83. Jan./Feb.1952. 50.8 M58

9693 DVORNIKOV, I., and P'IANKOV, N. We had achieved positive results. (In Russian.) Miasnaia Indus. SSSR. 23(4):55-56. July/Aug.1952. 50.8 M58
Weight examination of beef cattle at Leningrad Meat Combine.

9694 ELLIS, S. C., and PANKHURST, K. G. A. The determination of basic groups in collagen and gelatin. Biochem. J. 52:350-352. Oct.1952. 382 B52

9695 GIROLAMO, A. DE. Spectrophotometric research on buffalo fat. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:443-445. Mar./Apr.1952. 442.8 So12

9696 HALL, J. L. Chemical methods in meats research. Reciprocal Meat Conf. Proc. 4:166-178. 1951. 50.9 R24
Includes discussion.

9697 HANSEN, R. P., SHORLAND, F. B., and COOKE, N. J. The branched-chain fatty acids of mutton fat. 1. Biochem. J. 52:203-207. Ref. Oct.1952. 382 B52

9698 INGRAM, M. Bacterial growth and rigor state in meat. (Sum.) Soc. Appl. Bact. Proc. 14(2):xi-xii. Oct.1951,pub.Oct.1952. 448.39 So12

9699 KANAGY, J. R., MANN, C. W., and MANDEL, J. Study of the variation of the physical and chemical properties of chrome-tanned leather and the selection of a sampling location. Soc. Leather Trades' Chem. J. 36: 231-253. Aug.1952. 303.9 So12

9700 KLINE, E. A. Physical, chemical and organoleptic methods of pork carcass evaluation. Reciprocal Meat Conf. Proc. 4:118-120. 1951. 50.9 R24

9701 KOPPENHOEFER, R. M. President's report; leather chemists see expanding industry via vigorous program. Leather & Shoes 123(23):16,52-55. June 14, 1952. 303.8 H53

9702 KUPRIANOFF, J. Neuere erkenntnisse über die veränderungen von fleisch beim kühlen und gefrieren. Kältetechnik 4:156-165. Ref. July 1952. 295.8 K123

9703 MACKEY, A. O., OLIVER, A. W., and FANG, S. C. Chemical constituents, physical properties, and palatability of frozen pork. Food Res. 17:409-418. Ref. Sept./Oct.1952. 389.8 F7322

9704 MAMPEL', I., and DUDIN, D. Examination of live weight [of beef cattle] by a new method. (In Russian.) Miasnaia Indus. SSSR. 23(4):53-54. July/Aug.1952. 50.8 M58

9705 MILLER, J. I. Demonstration—how to teach the principles of carcass evaluation as related to livestock production and judging courses. Reciprocal Meat Conf. Proc. 4:65-68. 1951. 50.9 R24

9706 MORRIS, T. N. Meat and meat products. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:789-790. Ref. 1951. 382 M31R

9707 MURRAY, K. E., and SCHOENFELD, R. The aliphatic alcohols of wool wax. V. Studies in waxes. Amer. Oil Chem. Soc. J. 29:416-420. Ref. Oct.1952. 307.8 J82

9708 NAUMANN, H. D. A recommended procedure for measuring and grading beef for carcass evaluation. Reciprocal Meat Conf. Proc. 4:89-99. 1951. 50.9 R24
Includes discussion.

9709 PERRONE, J. C. Metabolism of collagen. (In Portuguese.) Rev. de Quím. Indus. 21(241):23-24. May 1952. 385 R324

9710 PETROVSKIĬ, V. An accelerated method of determining the keeping quality of [animal] fat. (In Russian.) Mîasnaîa Indus. SSSR. 23(3):30-32. May/June 1952. 50.8 M58

9711 PUNNETT, P. W., and REBARBER, A. The iodine number of lanolin. Amer. Oil Chem. Soc. J. 29: 414-416. Oct.1952. 307.8 J82

9712 ROMADINA, V. Histological method of analysing cooked sausage. (In Russian.) Mîasnaîa Indus. SSSR. 23(1):20-22. Jan./Feb.1952. 50.8 M58

9713 SCHOLZ, H. Einfache methode zur wasserbestimmung im leder und anderen substanzen. Leder 3: 218-219. Sept.1952. 303.8 L492

9714 SHORLAND, F. B. Neuseeländische fettforschung unter besonderer berücksichtigung der arbeiten des Instituts für Fettforschung. Fette u. Seifen 54:521-530. Sept.1952. 384 C422
Includes animal fats.

9715 SHURAEV, G., and SHAPIRO, D. Decreasing the dosage of sodium nitrite in sausage meat. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):27. July/Aug.1952. 50.8 M58

9716 STRONG, C. L. Standard methods of measuring and grading for pork carcass evaluation. Reciprocal Meat Conf. Proc. 4:108-110. 1951. 50.9 R24

9717 SULZBACHER, W. L. A survey of methods currently in use for microbiological phases of meat research. Reciprocal Meat Conf. Proc. 4:179-183. 1951. 50.9 R24
Includes discussion.

9718 WATT, D. B. The use of meat quality factors for an evaluation of lamb carcasses. Reciprocal Meat Conf. Proc. 4:130-143. Ref. 1951. 50.9 R24

9719 WIEDERHORN, N. M., and REARDON, G. V. Studies concerned with the structure of collagen. II. Stress-strain behavior of thermally contracted collagen. J. Polymer Sci. 9:315-325. Ref. Oct.1952. 381 J829

9720 WILFORD, E. J. Uniform cutting and methods of measuring lamb carcasses. Reciprocal Meat Conf. Proc. 4:148-150. 1951. 50.9 R24

Consumption and Utilization

9721 ACHARYA, C. N. Utilization of slaughter house wastes. Compost B. 3(4):29-36. Dec.1950,pub. 1951. 57.8 C732

9722 HASSEL, B. Verwertung der knochen von schlachttieren. Seifen-Öle-Fette-Wachse 78:431-433. (Cont.) Aug.27,1952. 307.8 Se4
English summary.

9723 HASSEL, B. Verwertung der knochen von schlachttieren. Seifen-Öle-Fette-Wachse 78:455-458. (Concl.) Sept.10,1952. 307.8 Se4

9724 MEYER, T. O., and ENSMINGER, M. E. Consumer preference and knowledge of quality in retail beef cuts. Wash. Agr. Expt. Sta. C. 168,rev.,11 p. Sept.1952. 100 W27S

9725 RINDLAUB. American housewife is meat industry's boss in this changing world. Pa. Meat Dealer 26(11):7,12,14. Nov.1952. 286.85 P38

9726 RINDLAUB, J. W. American housewife is packer's boss. Natl. Provisioner 127(16):171-175. Oct.18,1952. 286.85 N21

9727 ROUX, P. Les viandes insuffisantes, leur utilisation. Ann. de la Nutr. et de l'Aliment. 6:C525-C548. Ref. 1952. 389.8 An73
Includes discussion.

9728 SMITH, L. M., JR., and KEFAUVER, H. B. Trends in world's meat consumption. Cattleman 39(5): 157-158. Oct.1952. 49 C29

9729 TAGLE, E. C. Estadistica de consumo de carnes en Argentina. Zootechnia 1:39-40. Jan./Feb.1952. 41.8 Z73
Statistics.

9730 WELLINGTON, G. Emergency extension activities in the civilian defense program for consumers and retailers. Reciprocal Meat Conf. Proc. 4:32-34. 1951. 50.9 R24
Consumer education.

Distribution, Marketing, and Transportation

9731 ABEL, H. A., and BROADBENT, D. A. Trade in western livestock at auctions. 1. Development, relative importance, operations. Utah. Agr. Expt. Sta. B. 352, 128 p. Ref. May 1952. 100 Ut1

9732 BRENSIKE, V. J. Marketing feeder cattle and sheep in the North Central Region. Nebr. Agr. Expt. Sta. B. 410,69 p. May 1952. 100 N27

9733 BULANOV, F. Meat transportation in [refrigerator] cars of Kleimenov's system. (In Russian.) Mîasnaîa Indus. SSSR. 23(1):28-31. Jan./Feb.1952. 50.8 M58

9734 CHABASSE, Y. L'évolution du marché de la viande en France. École Supér d'Agr. et de Viticult. B. Mens. 30:25-26. Feb.1952. 275.9 An4

9735 CLEAL, H. Buying feeders. Natl. Live Stock Prod. 30(12):6,15. Oct.1952. 280.38 N21
Beef cattle.

9736 COREY, H. H. Seek understanding by public. Natl. Provisioner 127(16):187,190-191. Oct.18,1952. 286.85 N21
Meat.

9737 GARAPOLO, O. Machinery lifts beef lugger's load. Natl. Provisioner 127(16):120-121. Oct.18,1952. 286.85 N21

9738 GIOSO SOBRINHO, L. Two fundamental errors in the present system of supplying meat to São Paulo. (In Portuguese.) Cong. Bras. de Vet. An. 5:379-381. 1950, pub.1951. 41.9 C7695A

9739 HELLBUSCH, C. E. No need for guessing. West. Livestock J. 30(53):55,118,120-122. Sept.15,1952. 6 F2278
New system for culling and selling Herefords in New Mexico.

9740 HOWARD, T. How to develop your meat sales. Amer. Rabbit J. 22:134-135. Sept.1952. 40.28 Am3

9741 HUARD. Le développement du marché aux porcs de Saigon Chanh-Hung. B. Écon. de l'Indochine (n.s.)55:180-182. Apr./June 1952. 22.5 In2

9742 JACKSON, H. The local livestock market system in Arkansas. Ark. Farm Res. 1(3):3. Fall 1952. 100 Ar42F

9743 LOMBARD, C., and others. A propos du projet de décret portant réglement d'administration publique pour l'application de la loi du 1 er août 1905, en ce qui concerne le commerce des viandes et des produits de charcuterie. Rev. de Méd. Vét. [Toulouse] 103:193-199. Apr.1952. 41.8 R32
Durand, Mercier, and Gozlan, joint authors.

9744 LUBICH, H. Zur lage am viehmarkt: das grosse fragezeichen. Salzburger Bauer 7(37):1-3. Sept.11,1952. 19 Sa3

9745 MCCOLLOCH, C. L. The why of USDA livestock market reports. Co-op. Shipper 32(10):6-7. Oct.1952. 280.38 C78

9746 MORTON, L. Livestock transportation regulations. Calif. Cattleman, Sept.1952:9-10. 43.8 C12

9747 NATIONAL LIVE STOCK PRODUCERS ASSOCIATION. Annual report for the year 1950. Chicago, 1951? 23 p. 280.39 N215

9748 NEUMANN, C. F. Who makes it a good livestock market? Here's what happens when you ship to livestock terminal. Prairie Farmer, Gen. Ed. 124(20):6, 60. Oct.18,1952. 6 P883

9749 NEW ZEALAND CO-OPERATIVE PIG MARKETING ASSOCIATION. Annual report; statement of accounts and balance sheet 31st May, 1952. Auckland, 1952. 35 p. 280.2469 N48

9750 PEARSALL, L. W. The livestock situation; a review of cattle and hog marketing prepared recently for the Ontario Poultry and Livestock Conference. Country Guide 71(9):8,48-49. Sept.1952. 7 G76

9751 PLAGER, C. Buying hogs on carcass weight and grade. Reciprocal Meat Conf. Proc. 4:121-123. 1951. 50.9 R24

9752 RANSOM, R. W. Mechanical reefers perform well. Natl. Provisioner 127(16):114-117. Oct.18,1952. 286.85 N21

9753 REED, E. G. Shipping by rail—cattle exhibitors' reduced rate regulations revealed. West Livestock J. 30(48):83-85. Aug.15,1952. 6 F2278

9754 REED, E. G. Shipping stock for exhibition purposes by railroad. Calif. Cattleman, Sept.1952:10,22. 43.8 C12

9755 RILEY, H. M., WILSON, C. P., and GORTON, J. Feed-in-transit privilege in marketing livestock. Kans. Agr. Expt. Sta. C. 288,13 p. June 1952. 100 K13S

9756 ROBIN, V. La garantie dans les ventes d'animaux de boucherie dont la viande est saisie pour insuffisance. Ann. de la Nutr. et de l'Aliment. 6:C515-C523. 1952. 389.8 An73
France.

9757 ROSSI, R. P. Transportation of fresh meat within the city. (In Italian.) Prog. Vet. 6:595. Nov.1, 1951. 41.8 P942
Italy.

9758 SANGIULIANO, V. Railroad veterinary service. (In Italian.) Prog. Vet. 7:600,602-604. Sept.15, 1952. 41.8 P942
On legislation in European countries concerning sanitation of cars for livestock transportation.

9759 TRIPPLAAR, J. P. Meat marketing in the United States. (In Dutch.) Landbouwwereldnieuws 7: 589-593. Sept.13,1952. 12 L237

9760 VINCLER, E. Avaries des viandes et abats transportés en cales frigorifiques. Rec. de Méd. Vét. 128:30-34. Jan.1952. 41.8 R24

9761 WILLIAMS, E. H. How to get your own goat Dairy Goat J. 30(10):4-5. Oct.1952. 40.18 M592
Transporting.

9762 WRIGHT, E. L. Auction sales yards. Oreg. Dept. Agr. Agr. B. 175:15-16. Sept.1952. 2 Or3
Livestock marketing in Oregon.

Grading, Inspection, Standardization, and Quality

9763 ADAMS, C. H. Physical, chemical and organoleptic methods of beef carcass evaluation. Reciprocal Meat Conf. Proc. 4:100-104. 1951. 50.9 R24

9764 ARTIOLI, D. Blastomycosis on hams. (In Italian.) Arch. Vet. Ital. 3(2):105-110. Apr.30,1952. 41.8 Ar25
English summary.

9765 BENOIT, R. Utilisation des phénomènese de fluorescence en inspection des viandes. Schweiz. Arch. f. Tierheilk. 94:583-586. Sept.1952. 41.8 Sch9

9766 BROWN, P. B. Effect of breeding, feeding, disease, parasite control and marketing on carcass value. Reciprocal Meat Conf. Proc. 4:50-55. 1951. 50.9 R24
Includes discussion.

9767 COLE, J. W. Slaughtering, chilling and cutting methods for pork carcass evaluation. Reciprocal Meat Conf. Proc. 4:111-114. 1951. 50.9 R24

9768 CORNACCHIA, G. Inspection of meats and future regulation. (In Italian.) Prog. Vet. 7:563-564. Sept.1,1952. 41.8 P942
Italy.

9769 JONES, O. The flavouring of meat and meat products. I. Perfumery & Essential Oil Rec. 43:336-337. Sept.1952. 308.8 P41

9770 LEBLOIS, C. Viandes insuffisantes. Ann. de la Nutr. et de l'Aliment. 6:C477-C496. 1952. 389.8 An73

9771 LOMBARD, C. Les viandes insuffisantes; définition et caractéristiques. Ann. de la Nutr. et de l'Aliment. 6:C497-C514. Ref. 1952. 389.8 An73

9772 MORTON, L. Livestock identification regulations. Calif. Dept. Agr. B. 41:150-152. July/Sept. 1952. 2 C12M

9773 OLIVER, A. W. Quality and product yield that should be expected from a lamb experiment. Reciprocal Meat Conf. Proc. 4:147. 1951. 50.9 R24

9774 SHOEMAKER, J. H. State meat inspection. Oreg. Dept. Agr. Agr. B. 175:13-14. Sept.1952. 2 Or3

9775 SILVA, H. F. Questions of livestock sanitary inspection at our frontiers. (In Portuguese.) Cong. Bras. de Vet. An. 5:175-181. 1950,pub.1951. 41.9 C7695A

9776 TRACK, L. Frozen meats show quality gains. Quick Frozen Foods 15(2):98-99. Sept.1952. 389.8 Q4

9777 U. S. BUR. OF ANIMAL INDUSTRY. Meat inspection service; summary of activities fiscal year 1952. Washington,1952. 13 p. 1.9 An537An

9778 U. S. BUR. OF ANIMAL INDUSTRY. Regulations governing the meat inspection of the United States Department of Agriculture. Edition of June 1952. Washington,1952. 209 p. 1 An52Reg

9779 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The first official hog grades, by H. E. Reed and J. Towers. Washington,Sept.13,1952. 3 p. 1.914 R2R11

9780 URBAIN, W. M. Oxygen is key to the color in meat. Natl. Provisioner 127(16):140-144. Oct.18,1952. 286.85 N21

Packing and Packaging

9781 ZEUCH, F. E. Why not make packing profitable? Natl. Provisioner 127(16):175-180. Oct.18,1952. 286.85 N21

Prices, Price Control, and Rationing

9782 BUTZ, E. L. Meat industry faces hostile public. Natl. Provisioner 127(16):201-202,204,206. Oct.18,1952. 286.85 N21
Prices.

9783 ELLIOTT, J. Price sets the pattern in hog type. Prog. Farmer, Tex. Ed. 67(10):86,91. Oct.1952. 6 T311

9784 HARTMANS, E. The future price of swine. (In Dutch.) Boer en Tuinder 6(295):13. Oct.4,1952. 12 B632
Netherlands.

9785 KEMP, J. D. The economy and nutritive value of different cuts of lamb of different grades. Urbana, 1952. 7 p. 389.1 K32
Abstract of thesis - University of Illinois.

9786 LONGWILL, A. Increased prices incentive to more pig-meat production. New Zeal. J. Agr. 85:119,121. Aug.15,1952. 23 N48J

9787 MEADLEY, D. R. Trends in store sheep prices. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5: 113-115. July 1952. 281.9 Au73
Australia.

9788 POAGE, W. R. "Whipping" beef won't produce more. Natl. Provisioner 127(16):127-130. Oct.18,1952. 286.85 N21
Price control.

Processing and Storage

9789 AMES, W. M. The conversion of collagen to gelatin and their molecular structures. J. Sci. Food & Agr. 3:454-463. Ref. Oct.1952. 382 So12

9790 ANDERSON, H., and DANIEL, L. The influence of acids and salts in sole leather tannage. II. Soc. Leather Trades' Chem. J. 36:259-263. Aug.1952. 303.9 So12
Includes discussion.

9791 BAUMGARTEN, W. Automatische klima- und rauchanlagen für die rohwurst-trocknung. Kältetechnik 4:175-176. July 1952. 295.8 K123

9792 BRAUN, A. J. Making a better dry rendered lard. Natl. Provisioner 127(16):144-148. Oct.18,1952. 286.85 N21

9793 BROOME, F. K., and BINKERD, E. F. Industrial products from meat animals. Chemurg. Digest 11(10):8-10. Oct.1952. 381 N213Na

9794 BURCH, P. Accounting facts are kept current. Natl. Provisioner 127(16):181-184. Oct.18,1952. 286.85 N21
Meat packing industry.

9795 CLAVADETSCHER, C. Die bisherigen erfahrungen mit der schlachtviehproduzenten-organisation und die neuordnung im landwirtschaftsgesetz. Grüne 80: 1150-1160. Oct.17,1952. 17 Sch9
Switzerland.

9796 CORRÊA, A. Meat packers:—the last shall be first. (In Portuguese.) Soc. Rur. Bras. Rev. 32(377): 44-46,48-50. June 1952. 9.2 B733

9797 DAS, B. M. Research for the Indian leather industry. J. Sci. & Indus. Res. 11A:367-368. Aug.1952. 475 J82

9798 DAVYDOV, S. Best methods of stripping hides. (In Russian.) Miasnaia Indus. SSSR. 22(6):2-7. Nov./Dec.1951. 50.8 M58

9799 DUNCAN, R. A. Improving quality of inedible fats. Natl. Provisioner 127(16):148-150,155-158. Oct.18,1952. 286.85 N21
Animal fats.

9800 ELSEN, C. P. Place of standards in product costs. Natl. Provisioner 127(16):184-186,239-241. Oct.18,1952. 286.85 N21

9801 FORD, H. G. Meat budgets—supplies and yields. Reciprocal Meat Conf. Proc. 4:39-41. 1951. 50.9 R24
Chiefly on storage of meat in locker plants.

9802 FOWLER, B. B. Men, meat and miracles. New York,Messner,1952. 245 p. 50 F82
Livestock products and the meat packing industry.

9803 FRANCIONI, J. B., JR. Extending the meat supply through proper methods of processing and cutting. Reciprocal Meat Conf. Proc. 4:42-44. 1951. 50.9 R24

9804 FURLONG, J. R. The drying of hides and skins. Colon. Plant & Anim. Prod. 2:233-245. 1951. 472 C71

9805 GARDNER, B. W., JR. The program of investigation of the Food and Container Institute for the Armed Forces and its relation to the support the college meat sections may render to the defense effort. Reciprocal Meat Conf. Proc. 4:8-11. 1951. 50.9 R24
Chiefly canned and processed meat.

9806 GOLOVKIN, N., and others. Sausage manufacture from meat defrosted in water. (In Russian.) Mîasnaîa Indus. SSSR. 23(1):17-20. Jan./Feb.1952. 50.8 M58
G. Chizhov, E. Shkol'nikova, O. Shagan, and M. Malchenko, joint authors.

9807 GUILLOT. L'utilisation du froid dans la préparation et la conservation des viandes. Ann. de la Nutr. et de l'Aliment. 6:C415-C452. Ref. 1952. 389.8 An73
Includes discussion.

9808 GUTMAN, L. Melting [animal] fat by comrade Kuznetsov's method. (In Russian.) Mîasnaîa Indus. SSSR. 23(1):23. Jan./Feb.1952. 50.8 M58

9809 IWAMURA, I., and KOJIMA, M. Chikusan seizo-gaku gairon [Outline of live-stock manufacturing]. Tokyo,Kawade Shobo,1951. 228 p. Ref. 44 Iw9
Processing of dairy products, meats and poultry.

9810 JONES, O. The flavouring of meat and meat products. II. Perfumery & Essential Oil Rec. 43:380-383. Oct.1952. 308.8 P41

9811 KHRISTODULO, D. A fast freezer [of meat] of high efficiency. (In Russian.) Mîasnaîa Indus. SSSR. 23(1):5-11. Jan./Feb.1952. 50.8 M58

9812 KHRISTODULO, D. Problem of fast cooling of meat and by-products. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):14-19. July/Aug.1952. 50.8 M58

9813 KHRISTODULO, D., SHOPENSKII, A., and TIMOFEEV, A. Rapid cooling and freezing of [livestock] by-products. (In Russian.) Mîasnaîa Indus. SSSR. 22(6):8-10. Nov./Dec.1951. 50.8 M58

9814 KRYLOVA, N., and LAVROVA, L. On the dosage of [sodium] nitrite in sausage manufacture. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):28-29. July/Aug. 1952. 50.8 M58

9815 KÜNTZEL, A. Die moderne koordinationslehre als theoretische grundlage von gerbvorgängen. Leder 3:196-203. Sept.1952. 303.8 L492

9816 KUZ'MENKO, A. Control and automatization of the technological process at meat combines. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):5-10. July/Aug.1952. 50.8 M58

9817 LAPSHIN, A. Theoretical prerequisites of intensifying the melting of [animal] fats. (In Russian.) Mîasnaîa Indus. SSSR. 23(3):70-72. May/June 1952. 50.8 M58

9818 LEONT'EV, I. Preservation of sheep skins by brining. (In Russian.) Miàsnaià Indus. SSSR. 23(1):12-16. Jan./Feb.1952. 50.8 M58

9819 LIPS, H. J. Development of lard in Canada. 2. Canad. Food Indus. 23(10):30-32., Ref. Oct.1952. 286.83 C166
Manufacture.

9820 LOLLAR, R. M. Quality control for the tanner. Shoe & Leather Rptr. 267(13):14-15,18-19. Sept. 27,1952. 303.8 Sh7

9821 LOLLAR, R. M. Quality control of leather. Leather & Shoes 124(13):8-9,31, Sept.27.1952. 303.8 H53

9822 LÖWENTHAL, M. Betriebstechnische überwachung grösserer kälteanlagen in schlachthöfen. Kältetechnik 4:176-181. July 1952. 295.8 K123

9823 MCCANDLISH, D., and DANBY, J. P. Leather. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36: 479-492. Ref. 1951. 382 M31R
Tanning.

9824 MACEWAN, J. W. G., and EWEN, A. H. Dressing and curing pork on the farm. Saskatchewan U. Col. Agr. Ext. B. 55,9 p. Dec.1951. 7 Sa76A

9825 MARTIN, G. H. Coming your way: frozen meats. Super Mkt. Merchandising 17(9):63-65. Sept. 1952. 389.8 Su7

9826 MORSE, R. E., DAYEN, W. R., and CHRISTENSEN, K. M. Kingan perfects continuous process that revolutionizes fat rendering. Food Engin. 24(11):72-74, 175-176. Nov.1952. 389.8 F737
Animal fats.

9827 NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Skippers in cured meat. N. C. Agr. Col. Ext. Folder 90,6 p. July 1952. 275.29 N811Ex

9828 NOZAKI, H., and HAMADA, H. Studies on the chrome-solution for the tanning. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:47-52. July 1952. 49.9 C434
English summary and tables.

9829 NOZAKI, H., and HAMADA, H. Studies on the oil-tanning. I. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:41-45. Ref. July 1952. 49.9 C434
English summary and tables.

9830 O'FLAHERTY, F. Progress report—advances in leather technology. Leather & Shoes 124(15):10,39-40. Oct.11,1952. 303.8 H53

9831 O'FLAHERTY, F. Working toward better leathers. Shoe & Leather Rptr. 268(2):13-14. Oct.11, 1952. 303.8 Sh7

9832 PAGE, R. O. The influence of size of the tannin molecules on vegetable tannage. Soc. Leather Trades' Chem. J. 36:253-259. Aug.1952. 303.9 So12
Includes discussion.

9833 PAL'MIN, V. On a possible fast method of manufacturing cooked sausage. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):24-26. July/Aug.1952. 50.8 M58

9834 PANTALÉON, J. Technique et hygiène de la préparation des viandes depuis l'abatage jusqu'à la consommation. Ann. de la Nutr. et de l'Aliment. 6:C453-C476. 1952. 389.8 An73
Includes discussion.

9835 PLESHAKOV, M. New technology of canned beef "cooked in its own juice." (In Russian.) Mîasnaîa Indus. SSSR. 22(6):19-24. Nov./Dec.1951. 50.8 M58

9836 RAYMOND, W. D. The use of Acacia pods and bark as tanning materials. Colon. Plant & Anim. Prod. 2:285-291. 1951. 472 C71

9837 REDMAN, T. G. Cut needless reports to Government. Natl. Provisioner 127(16):241-242. Oct.18, 1952. 286.85 N21
Meat packing industry.

9838 REITSMA, K. Cooling of meat. II. (In Dutch.) Tijdschr. v. Diergeneesk. 77:745-751. Oct.15,1952. 41.8 T431
English summary.

9839 RUTSKII, N., EPHSTEIN, G., and VIRNIK, D. Improving the technology of gelatine production. (In Russian.) Mîasnaîa Indus. SSSR. 23(4):20-23. July/Aug.1952. 50.8 M58
Processing of bones.

9840 SAFRONOV, V. High quality drying of blood in assemblies with movable sprayers. (In Russian.) Mîasnaîa Indus. SSSR. 22(6):31-35. Nov./Dec.1951. 50.8 M58

9841 SAGOSCHEN, J. A., and MANTZELL, E. Die anwendung der schnell-wasserbestimmung nach der Karl-Fischer-methode für gerbereichemische arbeiten. Leder 3:213-217. Ref. Sept.1952. 303.8 L492

9842 SAITO, F. Ultra-short wave method of preparing lard and bone-marrow oil. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 4:69-74. July 1952. 49.9 C434
English summary.

9843 SARKAR, P. K. Chemistry of oil tannage. Tanner 7(3):23-24. Aug.1952. 303.8 T15

9844 SEVILLA, N. S., and DIAZ, C. Industrialization of animal products. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.325-335. Ref. Manila,Graphic House,1952. 37 P533

9845 SEVILLA, N. S. A note on ham making. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.335-337. Manila,Graphic House,1952. 37 P533

9846 SHCHERBAKOV, E. Refrigeration equipment of a new system in use [at Ulan-Ude Meat Canning Combine]. (In Russian.) Mîasnaîa Indus. SSSR. 22(6):16-18. Nov./Dec.1951. 58.8 M58

9847 SHUTTLEWORTH, S. G. The mechanism of vegetable tannage. Amer. Leather Chem. Assoc. J. 47: 603-622. Ref. Sept.1952. 303.9 Am32

9848 SIMONPIETRI, R. H. Preparación de los cueros de Karakul. Chacra 22(262):8-9. Sept.1952. 9 C34

9849 STATHER, F. Gerbereichemie und gerbereitechnologie. Ed. 2, rev. and enl. Berlin, Akademie-Verlag, 1951. 722 p. Ref. 303 St22G

9850 STEFFEN, A. J. A sanitation program will pay off. Natl. Provisioner 127(16):108-112. Oct.18, 1952. 286.85 N21
Packing plant sanitation.

9851 SWERN, D., and PARKER, W. E. Application of urea complexes in the purification of fatty acids, esters, and alcohols. I. Oleic acid from inedible animal fats. Amer. Oil Chem. Soc. J. 29:431-434. Ref. Oct. 1952. 307.8 J82

9852 TAMM, W. Kälteanlagen für schlachthöfe und fleischereibetriebe. Kältetechnik 4:166-174. July 1952. 295.8 K123

9853 TRIPPLAAR, J. P. The American meat canning industry. (In Dutch.) (Extr.) Landbouwwereldnieuws 7:573-574. Sept.6,1952. 12 L237

9854 U. S. PRODUCTION AND MARKETING ADMIN. Smear remover space guide for power meat saws, by D. L. Anderson, P. F. Shaffer, and E. M. Harwell. Washington, 1952. 2 p. 1.956 M343Sm3

Statistics

9855 ALCAIDE INCHAUSTI, J. Hacia una rápida solución de los problemas de la industria de la piel. Rev. Sind. de Estadís. 7(26):29-31. Second Q.1952. 263 Es8B
Statistics.

9856 ATHANASSOF, N. The production of horses. (In Portuguese.) Granja [Porto Alegre] 8(63):36-38. (Cont.) June 1952. 9.2 G76
Contains statistics of horses in Brazil.

9857 CAÑÓN, J. J. Calculo de la población de ganado vacuno. Bogotá, 1952. 37 p. 255.5 Ag89

9858 EUROPEAN-owned livestock and animal products—1951. Econ. & Statis. B. South. Rhodesia 20 (11):7-23. Sept.7,1952. 270 R343E
Statistics.

9859 GERMANY. (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Die viehwirtschaft 1950. Germany. Statis. Bundesamt. Statis. der Bundesrepub. Deut. 64,51 p. Apr.1952. 265 G318

9860 GRUEN, F. H. Recent changes in sheep and cattle populations in eastern New South Wales. Rev. Mktg. & Agr. Econ. 20:141-146. June 1952. 286.8 N47

9861 KELLOGG, C. E. Number of rabbit raisers in the United States. Amer. Rabbit J. 22:157. Oct.1952. 40.28 Am3
Chiefly statistics.

9862 KÖRBER, F. Kärntens viehmarktleistung. Kärntner Bauer 102:479-481. Sept.1,1952. 19 K14
Livestock statistics.

9863 MIR DE LA CRUZ, R. El ganado vacuno de Galicia. Rev. Sind. de Estadís. 7(26):16-18. Second Q. 1952. 263 Es8B
Statistics.

9864 U. S. BUR. OF AGRICULTURAL ECONOMICS. Animal units of livestock fed annually, 1909-10 to 1951-52. U. S. Bur. Agr. Econ. F. M. 96,8 p. Aug.1952. 1.941 L6F22

9865 WIRTH, H. Endgültiges ergebnis der juni-viehzählung in Württemberg-Baden 1952. Statis. Monatsh. Württemb-Baden 6:218. July 1952. 265 St24

OILS AND OILSEEDS

9866 ADRIAENS, E. L. L'extraction sélective des graisses. Cour. Agr. 17(14):3. July 9,1952. 24 C83

9867 ADRIAENS, E. L. Les graisses synthétiques. Belgium. Min. des Colon. B. Agr. du Congo Belge 43: 757-766. Sept.1952. 24 K83

9868 ANGELO, G. G. DELL' Considerations on the situation of the extraction industry. (In Italian.) Olivicoltura 7(7):1-4. July 1952. 80 OL42

9869 BAIN, W. M., NEUBAUER, A. W., and OLSON, R. A. Soya protein adhesives for coated papers. Tappi Monog. Ser. 9:89-108. 1952. 302.9 T22T

9870 BALLOUN, S. L., and JOHNSON, E. L. Fluorescing properties of expeller soybean oil meals. (Abs.) Poultry Sci. 31:906. Sept.1952. 47.8 Am33P

9871 BECKETT, A. H., and DOMBROW, M. The determination of ascaridole in oil of Chenopodium and in solution of oil of Chenopodium in castor oil. (Sum.) Pharm. J. 169:228. Sept.27,1952. 396.8 P49

9872 BELAVENTSEVA, E. S. Effect of crumpling of essential oil red rose petals on the content of essential oil in them. (In Russian.) Masl.-Zhir. Promysh. 17(6): 18-21. June 1952. 307.8 M37

9873 BLACK, H. C. How much soybean oil can we use in edible products? Soybean Digest 12(11):53. Sept. 1952. 60.38 So9

9874 BORBOLLA Y ALCALA, J. M. R. DE LA., GÓMEZ HERRERA, C., and GUZMÁN GARCIA, R. Estudios sobre el aderezo de aceitunas verdes. Spain. Inst. Nac. de Invest. Agron. B. 12:115-149. Ref. June 1952. 105.6 Sp14

9875 BOUSSENOT, G. Des huileries pour y traiter les graines de coton vont y être créées. Marchés Coloniaux du Monde 8:2504-2505. Sept.27,1952. 286.8 M33
French Equatorial Africa.

9876 BOYLE, J. L. The deodorization of edible oils. Food [London] 21:372-376. Oct.1952. 389.8 F738

9877 COLLETT, S. Cinnamon oil analysed by the salicylaldehyde reaction. Mfg. Chem. 23:411-412,421. Oct.1952. 396.8 M31

9878 DAILY, E. E. Why we oppose changes in the soybean grading standards. Soybean Digest 12(11):64-65, 89. Sept.1952. 60.38 So9

9879 DEMIN, I. V. Separation of sunflower husks from the kernel in the existing equipment. (In Russian.) Masl.-Zhir. Promysh. 17(4):10-11. Apr.1952. 307.8 M37

9880 DITZ, E., and DUQUENOIS, P. Simples remarques sur la détermination des propriétés physiques des huiles essentielles du Codex. Ann. Pharm. Franç. 10:424-428. June 1952. 396.8 An7

9881 DOLEZÁLEK, J. Practical method for lactic acidifying culture diacetyl enrichment of synthetic fat. (In Czech.) Ceskoslov. Akad. Zemědél. Sborn. 25:237-242. Ref. Mar.1952. 19.5 C332C
English summary.

9882 DURAN, J. J. Frijol soya (Soya max). Campo [Tacuba] (ser.2)20(726):78,80,82,84-86. Aug.31, 1952. 8 C157

9883 FAURE, J. C. A. Apercu mondial des huiles et des corps gras. Feuilles d'Inform. Oléicoles Internatl. (n.s.)12:102-109. May/June 1952. 80 F43

9884 FAURE, J. C. A. Enormous increase in world production of oils and fats. (Sum.) Food Indus. So. Africa 5(4):45. Aug.1952. 389.8 F7372

9885 FAYAUD, A. Orris root and orris oil; Florence: centre of production of the Iris rhizome. Soap, Perfumery & Cosmetics 25:1057-1059. Oct.1952. 307.8 So13

9886 FISCHER, R., and RESCH, H. Ein mikroverfahren zur wertbestimmung des genuinen ätherischen öls in einzelnen pflanzlichen ölbehältern. Naturwissenchaften 39:404. Sept.1,1952. 474 N213

9887 FORD, E. C., JR., and BREWSTER, M. D. How to improve tall oil esters. Paint Indus. Mag. 67(9): 9-11. Sept.1952. 306.8 D84

9888 FREYER, E., and SHELBURNE, V. The centrifugal acetone foots test applied to crude soybean oil. II. Amer. Oil Chem. Soc. J. 29:403-408. Ref. Oct.1952. 307.8 J82

9889 FREYER, E., and SHELBURNE, V. B. Notes on the centrifugal foots test applied to crude cottonseed oil. Amer. Oil Chem. Soc. J. 29:408-409. Oct.1952. 307.8 J82

9890 FREZZOTTI, G. La technique de l'extraction de l'huile d'olive sans pression et sans solvants. Feuilles d'Inform. Oléicoles Internatl. (n.s.)12:110-121. May/June 1952. 80 F43
English summary.

9891 FUHRMANN, R. Étude des constituants non-glycéridiques des huiles de pulpes d'olives. Acad. des Sci. Compt. Rend. 235:722-724. Oct.6,1952. 505 P21

9892 GALLOWAY, L. D. Essential oils as vapour phase antiseptics against mould fungi. Perfumery & Essential Oil Rec. 43:359,395. Oct.1952. 308.8 P41

9893 GALUSHKINA, N. A., and TOKAREVA, M. F. On potential industrial capacity of the oil factories of Uzbekistan. (In Russian.) Masl.-Zhir. Promysh. 17(5): 3-6. May 1952. 307.8 M37

9894 GAVRILENKO, I. V., and BEZUGLOV, I. E. Utilization of sprinkling method in continuous extraction of vegetable oils and type of equipment. (In Russian.) Masl.-Zhir. Promysh. 17(4):12-17. Apr.1952. 307.8 M37

9895 GT. BRIT. COMMONWEALTH ECONOMIC COMMITTEE. INTELLIGENCE BR. Vegetable oils and oilseeds; a summary. London,1952. 146 p. 280.39 G794C
Statistics.

9896 GREETHEAD, G. F. The plasticity of fats. Austral. Food Mfr. & Distrib. 22:24,28,30. Aug.5,1952. 389.8 Au7

9897 GUENTHER, E. The essential oils. v. 6. Individual essential oils of the plant families. New York, Van Nostrand,1952. 481 p. 308 G93Es

9898 GUPTA, S. S., and AGGARWAL, J. S. Hydrogenation of castor oil. J. Sci. & Indus. Res. 11B:303-304. July 1952. 475 J82

9899 GUYOT, S. L'huilerie et la savonnerie égyptienne. Oléagineux 7:653-657. Nov.1952. 77.8 OL2

9900 HALPERIN, L. Preparación de aceitunas verdes à la española. Vinos, Viñas y Frutas 46:525-526. June 1952. 9 Ag89

9901 HARTMAN, L. La perte de Wesson et sa signification industrielle. Oléagineux 7:633-636. Ref. Nov.1952. 77.8 OL2

9902 HILDITCH, T. P. The drying oil in the seeds of Mercurialis perennis (dog's mercury). Chem. & Indus. 40:981. Oct.4,1952. 382 M31C

9903 HOLMES, R. L., MINOR, J. C., and MCKINNEY, R. S. The determination of moisture in tung fruit. Amer. Oil Chem. Soc. J. 29:425-427. Oct.1952. 307.8 J82

9904 HOUGHTLIN, R. G. The processor looks at today's soybean grading standards. Grain & Feed J. Consolidated 109(7):23-24. Oct.8,1952. 298.8 G762

9905 HOUGHTLIN, R. G. The processor looks at today's soybean grading standards. Soybean Digest 12(11):60-61. Sept.1952. 60.38 So9

9906 INSINGER, I. A. Lime oil. Soap 5(7):3-5. July 1952. 307.8 So14

9907 INTERNATIONAL green book of cottonseed and other vegetable oil products, v.33, 1952/53. Dallas, 1952. 564 p. 72 In83
Directory.

9908 JACKSON, D., and KROMER, G. Fats and oils storage surveyed. Mktg. Activ. 15(8):10-11. Aug.1952. 1.942 A8M34

9909 JOHANSEN, P. Aksjeselskapet Oslo margarinfabrikk, Aug. Pellerin Fils & Co., 1876-1951. Nordens første margarinfabrikk gjennom 75 ar [Oslo Margarine Factory, Ltd., Aug. Pellerin Fils & Co., 1876-1951. The first margarine factory in Scandinavia through 75 years]. Oslo?Margarincentralen,1952? 97 p. 44.9 P36

9910 JORDAN, G. L. What will we get for 1952-crop soybeans? Soybean Digest 12(11):46,48. Sept.1952. 60.38 So9
Prices.

9911 KAMINSKIĬ, N. A. Determination of solidity of fats in TK tester for hardness. (In Russian.) Masl.-Zhir. Promysh. 17(6):10-13. June 1952. 307.8 M37

9912 KEIRSTEAD, C. H. Factors that affect the value of soybean products. Soybean Digest 12(11):58-59. Sept.1952. 60.38 So9

9913 KICHIGIN, V. P. Processing of unbroken cotton seeds on battery extractors. (In Russian.) Masl.-Zhir. Promysh. 17(3):8-9. Mar.1952. 307.8 M37

9914 KOLPAKOV, I. P. On the work of the milling-winnowing shops [in sunflower seed processing]. (In Russian.) Masl.-Zhir. Promysh. 17(4):8-10. Apr.1952. 307.8 M37

9915 KOLPAKOV, I. P. Processing sunflower seeds by the method of double pressing on screw presses. (In Russian.) Masl.-Zhir. Promysh. 17(2):7-11. Feb.1952. 307.8 M37

9916 KONEN, J. C. How much soybean oil can we use in industrial products? Soybean Digest 12(11):41-42. Sept.1952. 60.38 So9

9917 KRENDEL', A. S. Gasification of sunflower husks at the oil mills. (In Russian.) Masl.-Zhir. Promysh. 17(2):24-27. Feb.1952. 307.8 M37

9918 KURTZ, A. E., and YOUNG, T. C. Investment pay-off in converting to solvent extraction. Cotton Gin & Oil Mill Press 53(20):14-15,38. Sept.27,1952. 304.8 C822

9919 KUZICHEV, G. I., and KIPORENKO, I. F. A steam humidifier of continuous action for cotton seeds. (In Russian.) Masl.-Zhir. Promysh. 17(3):11-14. Mar. 1952. 307.8 M37

9920 KUZNETSOV, A. T. Changes in the group of mobile proteins during roasting and pressing of cotton seeds on screw presses. (In Russian.) Masl.-Zhir. Promysh. 17(2):12-13. Feb.1952. 307.8 M37

9921 LAL, B. M., RAJAGOPALAN, and GIRI, K. V. Utilisation des graines oléagineuses pour l'alimentation humaine. Oléagineux 7:637-639. Nov.1952. 77.8 OL2

9922 LEARMONTH, E. M. Soya in Britain. Soybean Digest 12(11):30,32,42. Sept.1952. 60.38 So9

9923 LEARMONTH, E. M. Soya—staple or substitute? Food Mfr. 27:401-404. Oct.1952. 389.8 F736
Uses.

9924 LEITE, E. T. Babassu: national problem. (In Portuguese.) Soc. Rur. Bras. Rev. 32(379):36-37. Aug. 1952. 9.2 B733

9925 LESIUIS, A. A. Refractometric method of determining oil content [of oilseed products]. (In Russian.) Masl.-Zhir. Promysh. 17(5):22-23. May 1952. 307.8 M37

9926 LUZ FILHO, F. Cooperative plan for carnauba and babassu. (In Portuguese.) Coop. Cent. das Prod. de Leite B. da C. C. P. L. 5:233-234. Aug.1952. 44.8 B634
Brazil.

9927 MACK, C. H., and BICKFORD, W. G. The conidendrols as inhibitors of oxidation and polymerization. Amer. Oil Chem. Soc. J. 29:428-430. Ref. Oct. 1952. 307.8 J82
Includes fats.

9928 MALCOLM, D. The large scale production of fractionated fatty acids. Oil & Colour Chem. Assoc. J. 35:502-526. Oct.1952. 306.9 Oi5

9929 MARCUSE, R. Fettverderb-forschung und antioxydantien in USA. Fette u. Seifen 54:530-539. Sept.1952. 384 C422

9930 MELLO, M. DE L. Soybeans, necessary food. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(4):33-35. Apr.1952. 9.2 M663

9931 MILNER, R. T. Research studies in 1952 by the Northern Research Laboratory. Soybean Digest 12(11):54-55,65. Sept.1952. 60.38 So9

9932 MURAYAMA, S. J. There are olive trees in São Paulo. (In Portuguese.) Soc. Rur. Bras. Rev. 32(378):60. July 1952. 9.2 B733
The olive industry.

9933 NAGL, K. Refraktometrische schnellmethode zur ölbestimmung in ölsamen; erfahrungen über methodik und ihre fehlerquellen. Bodenkultur 6:202-205. 1952. 19 B635

9934 NANJUNDAYYA, C. A note on the utilization of cotton seed. Indian Cotton Growing Rev. 6:111-118. July 1952. 72.8 In23

9935 NAVES, Y. R. Brazilian cabreuvas and their essential oils. Perfumery & Essential Oil Rec. 43:357, 393. Oct.1952. 308.8 P41
Myrocarpus.

9936 NAVES, Y. R. Production and analysis of Brazilian rosewood oil. Perfumery & Essential Oil Rec. 43:316-320,346. Sept.1952. 308.8 P41

9937 NEYBERGH, A. G. Rectification des vieilles huiles essentielles. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:767-796. Ref. Sept.1952. 24 K83

9938 NIGERIA. GROUNDNUT MARKETING BOARD. Second annual report, season 1950-51. Lagos,1951. 46 p. 77.9 N564

9939 PAARLBERG, D. What will soybean prices be over a period of years? Soybean Digest 12(11):44-45. Sept.1952. 60.38 So9

9940 PAREKH, H. V. Production of defatted white groundnut flour. Oils & Oilseeds J. 5(3):11-13. Sept. 1952. 307.8 Oi54

9941 PATKANOV, E. G. Pneumatic drier for sunflower seeds [at oil factories]. (In Russian.) Masl.-Zhir. Promysh. 17(6):3-5. June 1952. 307.8 M37

9942 PETROV, N. A. On theoretical investigations in the field of chemistry of fats. (In Russian.) Masl.-Zhir. Promysh. 17(4):18-21. Apr.1952. 307.8 M37

9943 PLANCK, R. W., PACK, F. C., and SKAU, D. B., comp. Abstract bibliography of the chemistry and technology of tung products, 1875 - 1950, v. 3-4. U. S. Bur. Agr. & Indus. Chem. AIC-317. 2 v. 1952. 1.932 A2Ag82

9944 POPOV, K. S., and KARANTSEVICH, L. G. Spectrophotometric method of quantitative determination of linoleic and linolenic acids in flax and soybean oils. (In Russian.) Masl.-Zhir. Promysh. 17(3):23-25. Mar. 1952. 307.8 M37

9945 PORÉ, J., and VERSTRAETE, J. Alcoolyse et estérification des corps gras par des alcools à l'état de vapeur. Oleagineux 7:641-644. Nov.1952. 77.8 OL2

9946 RAO, Y. K. R. Pilot plant for solvent extraction of oilcakes. J. Sci. & Indus. Res. 11A:414-415. Sept.1952. 475 J82

9947 RAYMOND, W. D. The decortication of groundnuts. Colon. Plant & Anim. Prod. 2:265-274. 1951. 472 C71

9948 REVAZOV, A. N. Improved processing of geranium. (In Russian.) Masl.-Zhir. Promysh. 17(6):17-18. June 1952. 307.8 M37
Geranium oil.

9949 RIVA, J. P. DE LA. El aceite de ricino. Rev. Indus. y Fabril 7:334-338. June 1952. 297.8 R322

9950 RODRÍGUEZ E., M., and MAURTUA C., M. Estudio del aceite del Jatropha curcas. Agronomia [Lima] 17(70):117-119. July 1952. 9.8 Ag83
English summary.

9951 RODRÍGUEZ E., M., and FREIRE R., F. Estudio sobre el aceite del polvillo de arroz. Agronomia [Lima] 17(70):139-143. July 1952. 9.8 Ag83
English summary.

9952 ROZHKOVA, T. K. In regard to refining cottonseed oil. (In Russian.) Masl.-Zhir. Promysh. 17 (3):14-16. Mar.1952. 307.8 M37

9953 RUSHKOVSKIĬ, S. V. In regard to methods of determining the oil content of seeds by the residue from which the oil was extracted. (In Russian.) Masl.-Zhir. Promysh. 17(6):22-24. June 1952. 307.8 M37

9954 RZHEKHIN, V. P. Effect of heat on gossypol and causes for difficulties in refining black cotton seed oils. (In Russian.) Masl.-Zhir. Promysh. 17(4):22-24. Apr.1952. 307.8 M37

9955 RZHEKHIN, V. P., and POGONKINA, N. I. Microinterferometric method of determining the oil in individual oilseeds. (In Russian.) Masl.-Zhir. Promysh. 17(6):24-26. June 1952. 307.8 M37

9956 SCHIMMEL & CO. 1949-50 report on essential oils aromatic chemicals and related materials. New York,1952. 106 p. 308.9 Sch3

9957 SCHWARZ, H. Zypressenöl. Seifen-Ole-Fette-Wachse 78:33-34. Jan.16,1952. 307.8 Se4
Cupressus sempervirens.

9958 SKIPIN, A. I., ERMOLIN, S. S., and SHCHERBINA, K. P. Complex clarification of soybean oil and obtaining a phosphatide concentrate. (In Russian.) Masl.-Zhir. Promysh. 17(1):4-8. Jan.1952. 307.8 M37

9959 SLANI, L. Bestimmung des öles der sonnenblumensamen nach der modifizierten methode nach Gerber. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6):164-169. 1951. 21.5 Y9
German summary.

9960 SMITH, A. S. Evaluation of extraction rate measurements. Amer. Oil Chem. Soc. J. 29:421-425. Ref. Oct.1952. 307.8 J82
Vegetable oils.

9961 SOKOL'SKIĬ, D. V., BOLKHOVITINA, E. G., and CHERKASOV, R. I. Hydrogenation of cottonseed oil on cupri-chromous oxide catalizer and cupri-nickelous on chromic oxide. (In Russian.) Masl.-Zhir. Promysh. 17(6):5-9. Ref. June 1952. 307.8 M37

9962 SOLTOFT, P., and DOLLEAR, F. G. Evaluation of safflowerseed oil in edible fat products. Oil Mill Gaz. 57(4):13-15,18. Oct.1952. 307.8 Oi53

9963 STÍAZHKINA, A. G., and MIKHAĬLOVICH, A. N. Determination of salt in margarine. (In Russian.) Masl.-Zhir. Promysh. 17(2):27-28. Feb.1952. 307.8 M37

9964 STÍAZHKINA, A. G. Utilization of combined emulsifier in margarine manufacture. (In Russian.) Masl.-Zhir. Promysh. 17(1):30-31. Jan.1952. 307.8 M37

9965 TATE, R. L. Something new in peanut separation carter precision graders. Peanut J. & Nut World 32: 29-30. Nov.1952. 77.8 P313

9966 TEETER, H. M., BELL, E. W., and WOODS, L. C. Reactions of tertiary butyl hypochlorite with vegetable oils and their derivatives. VII. Partial chlorination of soybean oil. Amer. Oil Chem. Soc. J. 29:401-402. Oct.1952. 307.8 J82

9967 THALER, H., and SCHELER, R. Studien zur farbstoffanalytik. III. Der nachweis von teerfarbstoffen in speisefetten. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:1-9. July 1952. 384 Z39

9968 TSEĬTLIN, I. M. Checking the losses of essential oils in production. (In Russian.) Masl.-Zhir. Promysh. 17(5):24-26. May 1952. 307.8 M37

9969 U. S. PRODUCTION AND MARKETING ADMIN. Marketing of nondrying industrial fats and oils as affected by processing methods, by M. W. Sills. Washington,1952. 44 p. 1.956 F26M342

9970 VERNAZZA, N., and NADALI, P. Dalmatinisches salbeiöl. (In Serbo-Croatian.) Yugoslavia. Min. Poljoprivrede Arh. za Poljoprivredne Nauka i Teh. 4(6): 158-163. 1951. 21.5 Y9
German summary.

9971 WALLEY, E. Why we need changes in the present grading standards. Soybean Digest 12(11):62-63. Sept.1952. 60.38 So9

9972 WALSH, R. M. Has the soybean crushing industry overexpanded? Feedstuffs 24(46):28-30. Nov.15, 1952. 286.81 F322

9973 WALSH, R. M. Have we overexpanded soybean processing capacity? Soybean Digest 12(12):10-11. Oct.1952. 60.38 So9

9974 WALSH, R. M. Have we over-expanded soybean processing capacity. Washington,U. S. Prod. & Mktg. Admin.,1952. 8 p. 1.941 A2W16
Paper presented at the 32 Annual Convention of the American Soybean Association, Lafayette, Sept. 9-11, 1952.

9975 WARD, A. L. Shows why it pays to sell seed, feed meal; director of NCPA Educational Service gives research results and economic reasons why feeding cottonseed is not a sound practice for livestock producers. Cotton Gin & Oil Mill Press 53(20):19. Sept.27, 1952. 304.8 C822

9976 WAYGOOD, W. A. Essential oils. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:710-725. Ref. 1951. 382 M31R

9977 WILLIAMS, P. N., and COCKS, L. V. Fats, fatty oils and detergents. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:407-433. Ref. 1951. 382 M31R

9978 WILLIAMS, P. N. Processing of fats. (Sum.) Chem. & Indus. 39:948-949. Sept.27,1952. 382 M31C

POULTRY AND POULTRY PRODUCTS

9979 ABBOTT, J. Fryer marketing economies of continuous and batch systems compared in Hayward area. Calif. Agr. [Calif. Sta.] 6(9):13. Sept.1952. 100 C12Cag

9980 AHO, W., and SHEPPARD, C. C. TV as a new medium for poultry. (Abs.) Poultry Sci. 31:905. Sept. 1952. 47.8 Am33P

9981 ALIEV, K. I., and LEL'KOV, P. F. The oldest poultry raising cooperative in U.S.S.R. (In Russian.) Ptitsevodstvo 6:25-26. June 1952. 47.8 P95

9982 ANDERSON, R. H. Marketing of chickens from producer to first handler, Washington, Oregon, and Utah, 1948-1949. Utah. Agr. Expt. Sta. B. 354,38 p. June 1952. 100 Ut1

9983 ANDERSON, R. H. Trends in chicken slaughter and prices in the Western States. Utah. Agr. Expt. Sta. Spec. Rpt. 5,15 p. May 1952. 100 Ut1Sp
The Agricultural Experiment Stations of California, Oregon, and Washington cooperating.

9984 AUSTIN, S. L. Price risk and what you can do about it. U. S. Egg & Poultry Mag. 58(10):15,29-30. Oct.1952. 286.85 Eg3
Turkeys.

9985 BAUM, E. L., and WALKUP, H. G. More orderly marketing of fryers needed. Pacific Poultryman 56(4):12,14. Apr.1952. 47.8 P112

9986 BEYERS, H. Considering selling to hotels? Turkey World 27(11):15,73. Nov.1952. 47.38 T84

9987 BRANT, A. W., NORRIS, K. H., and CHIN, G. A spectrophotometric method for detecting blood in intact shell eggs. (Abs.) Poultry Sci. 31:908. Sept.1952. 47.8 Am33P

9988 BRERETON, L. Wisconsin broiler production and marketing and hatchery output. Wis. Dept. Agr. Spec. B. 23,19 p. May 1952. 2 W752S

9989 CALIFORNIA. BUR. OF MARKETS. Marketing order for the promotion of California turkeys effective July 9, 1952. Sacramento,1952. 13 p. 280.3479 C12

9990 CHAPMAN, J. W. Want 15c per dozen more for your eggs? Ky. Farmer 88(10):18-19. Oct.1952. 6 F2237
Quality in eggs.

9991 CHAPMAN, P. W. Eggs to feed the South. Prog. Farmer, Tex. Ed. 67(10):74,108-109. Oct.1952. 6 T311

9992 CHRISTIE, A. The awakening of merchandising consciousness in the poultry industry. Hatchery & Feed 26(10):25-27. Oct.1952. 47.8 H28

9993 COLES, R. Egg quality. Poultry World 91 (11,sup.):i-vi,viii. Sept.11,1952. 47.8 P8682

9994 CONNER, J. W., SNYDER, E. S., and ORR, H. L. The influence of washing and oiling on grade and bacterial content of eggs stored for an 8 month period. (Abs.) Poultry Sci. 31:939-940. Sept.1952. 47.8 Am33P

9995 CRAY, R. E. The retail distribution of eggs in Cleveland, Ohio. (Abs.) Poultry Sci. 31:912. Sept.1952. 47.8 Am33P

9996 DANA, D. Turkey! Turkey! Turkey! Amer. Egg & Poultry Rev. 14(9):22,128-129. Sept.1952. 47.8 Am38
Present situation.

9997 DAVIS, D. Make more egg dollars; start chicks early and have eggs to sell when prices are highest. Poultry Tribune 58(11):8. Nov.1952. 47.8 P8642

9998 DAWSON, L. E., and RICHARDSON, H. R. Blood and meat spots in chicken eggs. Mich. Agr. Expt. Sta. Q. B. 35:110-119. Ref. Aug.1952. 100 M58S

9999 DEARSTYNE, R. S., and KELLY, J. W. North Carolina goes to work on its processing problems. U. S. Egg & Poultry Mag. 58(10):18-19,26. Oct.1952. 286.85 Eg3
Poultry.

10000 DREWS, H. E. Dress 'em with market appeal. Poultry Tribune 58(10):26,28. Oct.1952. 47.8 P8642
Ducks and geese.

10001 DREWS, H. E. Mechanized equipment helps industry meet rising costs. U. S. Egg & Poultry Mag. 58 (10):16-17,31-32. Oct.1952. 286.85 Eg3

10002 DURR, R. M. Poultry crowds "King Cotton"; Southeastern States on threshold of expansion. Poultry Tribune 58(10):8,30-31. Oct.1952. 47.8 P8642

10003 EVANS, R. J., and others. Transfer of protein from white to yolk during the storage of shell eggs produced by hens fed cottonseed oil. (Abs.) Poultry Sci. 31: 915. Sept.1952. 47.8 Am33P
J. A. Davidson, D. Bauer, and H. A. Butts, joint authors.

10004 FEDER, E., KOHLMEYER, W., and LEUGERS, G. An improved market news service for the South Dakota poultry and egg industry. (Abs.) Poultry Sci. 31: 915-916. Sept.1952. 47.8 Am33P

10005 FRAMPTON, V. L., and JONCICH, M. J. Albumins from the three albuminous layers of the hen's egg. Arch. Biochem. & Biophys. 37:490-491. 1952. 381 Ar2

10006 FRAZIER, F. Turkeys—a silver lining? Soeast. Poultryman 5(9):26. Sept.1952. 47.8 So872

10007 GABUTEN, A. R., and SHAFFNER, C. S. A study of the physiological mechanisms affecting specific gravity of chicken eggs. (Abs.) Poultry Sci. 31:917. Sept.1952. 47.8 Am33P

10008 GORANSON, R. F. California really sold turkey! Turkey World 27(10):42,44,46. Oct.1952. 47.38 T48
Advertising.

10009 GORESLINE, H. E., and JASPER, A. W. Cleanliness is good, but—. Mktg. Activ. 15(8):8-9. Aug.1952. 1.942 A8M34
Storage of washed eggs and the effect of washing on egg quality.

10010 GREAVES, H. M. Maintenance of quality in eggs. Agr. Gaz. N. S. Wales 63:326-328. June 2,1952. 23 N472
Care and handling.

10011 HALVERSON, F. How much does it cost to get broilers from here to here. Broiler Growing 3(10):11,52-55. Oct.1952. 47.8 B782
Processing costs.

10012 JAHRBUCH für geflügelzüchter. Stuttgart, Verband Deutscher Wirtschaftsgeflügelzüchter,1951. 352 p. 47.8 J19

10013 JASPER, A. W. Consumers know their eggs—and they want them really good. U. S. Egg & Poultry Mag. 58(10):21-22. Oct.1952. 286.85 Eg3

10014 JASPER, A. W. How to sell more eggs. Amer. Egg & Poultry Rev. 14(9):54,56. Sept.1952. 47.8 Am38

10015 JASPER, A. W. Poultry competition may come from the West again. East. States Coop. 28(11):12-13. Nov.1952. 280.28 Ea7

10016 JENSEN, L. S., and STADELMAN, W. J. A study of egg quality in market channels. Poultry Sci. 31: 772-776. Sept.1952. 47.8 Am33P

10017 JOHNDREW, O. F., JR. Marketing research in the Poultry Branch [of the Production and Marketing Administration]. 3-4. Amer. Egg & Egg Poultry Rev. 14(9):46,48,50,52,100; (10):22,24,26. Sept.-Oct.1952. 47.8 Am38

10018 KARPOFF, E. USDA economic reports covering the poultry industry. (Abs.) Poultry Sci. 31:922. Sept.1952. 47.8 Am33P

10019 KEARSEY, E. M. There is profit in poultry. Farming Gloucestershire 10:77,79. 1951. 10 F2291

10020 KELLY, R. B. Outstanding progress made in poultry processing industry. Soeast. Poultryman 5(9):5, 22-25. Sept.1952. 47.8 So872

10021 KERRIGAN, H. W. Early days in Petaluma—the world's egg basket. Nulaid News 30(5):8,25. Oct. 1952. 47.8 N917

10022 KING, S. C. Egg quality studies at the New York Random Sample Test. (Abs.) Poultry Sci. 31:940. Sept.1952. 47.8 Am33P
Quality in relation to breed.

10023 KOCH, T. W. Brand identification for table-dressed poultry. Amer. Egg & Poultry Rev. 14(9):34-36. Sept.1952. 47.8 Am38
Packaging.

10024 KUMPE, J. O. Contributions to the poultry and egg business in the Southwest by farmer cooperatives. Amer. Egg & Poultry Rev. 14(10):46,48. Oct.1952. 47.8 Am38

10025 LAURENT, C. K. An appraisal of the accuracy of live poultry market quotations in New York City, 1949-50. (Abs.) Poultry Sci. 31:923. Sept.1952. 47.8 Am33P

10026 LAURENT, C. K. Live poultry market reports analyzed. Farm Res. [N. Y. State Sta.] 18(3):5. July 1952. 100 N48A

10027 LINEWEAVER, H., and KLOSE, A. A. Subscalding vs. semi-scalding. Turkey World 27(11):18,66-68. Nov.1952. 47.38 T84

10028 LIUTIKOVA, P. Microbiological inspection of egg powder and mixture. (In Russian.) Miasnaia Indus. SSSR. 22(6):76-78. Nov./Dec.1951. 50.8 M58

10029 LORENZ, F. W. A critique of some physico-chemical methods for estimating the age of market eggs. (Abs.) Poultry Sci. 31:924. Sept.1952. 47.8 Am33P

10030 LOTT, E. L. Poultry and eggs in New Mexico. Amer. Egg & Poultry Rev. 14(10):54-55. Oct.1952. 47.8 Am38

10031 LUZIO, A. Perjuicios económicos que ocasionan la deficiente recolección y almacenamiento del huevo de gallina. Res 19:26644. Dec.20,1951. 286.85 R31

10032 MANTLE, P. D. Egg processing and marketing in Australia. N. Z. Poultry World 15:204-205. July 1952. 47.8 N11

10033 MAURICE, D. M. Electrical resistance and structure of the hen's egg. Nature [London] 170:495. Sept.20,1952. 472 N21

10034 MAURICE, D. M., and FIDANZA, A. Permeability of yolk of the hen's egg to bromine-82. Nature [London] 170:546. Sept.27,1952. 472 N21

10035 MECCHI, E. P., KLOSE, A. A., and LINEWEAVER, H. Fat composition of chicken and turkey in relation to rancidity development. (Abs.) Poultry Sci. 31: 927. Sept.1952. 47.8 Am33P

10036 MORRIS, T. N. Eggs and egg products. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:790-793. Ref. 1951. 382 M31R

10037 MOUNTNEY, G. J., and PARNELL, E. D. Texas poultry industry looks ahead. Amer. Egg & Poultry Rev. 14(10):28,30. Oct.1952. 47.8 Am38

10038 NORMAND, M. La qualité de l'oeuf en coquille et sa réglementation. France. Min. de l'Agr. Rev. Études & Monog. 73/74:169-175. Aug./Sept.1952. 281.8 F84

10039 OLIVIERI, E. Panorama de nuestra avicultura. Chacra 22(263):31. Oct.1952. 9 C34
Argentina.

10040 PARNELL, E. D., and MOUNTNEY, G. J. Turkey buyers want quality and uniformity. U. S. Egg & Poultry Mag. 58(10):20,28. Oct.1952. 286.85 Eg3

10041 QUISENBERRY, J. H. Contributions of the APA [American Poultry Association] to the poultry industry. Amer. Poultryman 15(6):9. (Cont.) Oct.1952. 47.8 So86

10042 RINGROSE, A. T., and WALLER, E. F. The influence of handling methods on bruises in dressed broilers. (Abs.) Poultry Sci. 31:932. Sept.1952. 47.8 Am33P

10043 RISHER, F. W. Risher explains marketing quotes. Fla. Poultry & Farm J. 18(9):3,13. Sept.1952. 47.8 F66
Prices of eggs and poultry.

10044 ROF CODINA, J. Dinamarca como ejemplo. Balearic Isl. Diputación Prov. B. de Agr. 95:4-5. Aug. 1952. 15 B19
Poultry industry.

10045 ROSENBLUM, M. To top the market, plan for "large" egg production by July. Eggsaminer 29(9):4-5. Sept.1952. 286.85 Eg32

10046 RYAN, F. A. Observations on the interior quality of eggs laid by birds in the Storrs Egg Laying Test. (Abs.) Poultry Sci. 31:933. Sept.1952. 47.8 Am33P

10047 SALA ROCA, E. La expansión de nuestra avicultura selecta. Cult. Mod. 35:286. Aug.1952. 15 C89
Spain.

10048 SCANLAN, J. J. Farm Credit Administration studies of the costs of handling eggs through cooperatives in the Northeast and North Central Regions. (Abs.) Poultry Sci. 31:934. Sept.1952. 47.8 Am33P

10049 SIMMONS, W. M. Shrinkage in shipping poultry. Everybodys Poultry Mag. 57(10):36-37. Nov.1952. 47.8 F213P

10050 SMALL, M. C. Summer promotion moves big volume. U. S. Egg & Poultry Mag. 58(10):22,37. Oct. 1952. 286.85 Eg3
Turkey.

10051 SMETNEV, S. I. Exhibits of incubatory eggs. (In Russian.) Ptitsevodstvo 4:20-21. Apr.1952. 47.8 P95

10052 SMITH, H. D. Consumer demand for chicken as related to demand for total meat. Md. Agr. Expt. Sta. Misc. P. 112,36 p. Oct.1951. 100 M36M

10053 STADELMAN, W. J., and CYRUS, M. Effect of time and temperature on loss of egg quality. (Abs.) Poultry Sci. 31:936. Sept.1952. 47.8 Am33P

10054 STADELMAN, W. J., JENSEN, L. S., and CYRUS, M. The relationship of shell color to incidence of blood and meat spots in hens' eggs. Poultry Sci. 31:855-856. Sept.1952. 47.8 Am33P

10055 STALTER, A. F. Supplying the Southwest with egg case fillers and egg cartons. Amer. Egg & Poultry Rev. 14(10):38-39. Oct.1952. 47.8 Am38

10056 STRAKA, R. P., and COMBES, F. M. Survival and multiplication of Micrococcus pyogenes var. Aureus in creamed chicken under various holding, storage, and defrosting conditions. Food Res. 17:448-455. Sept./Oct. 1952. 389.8 F7322

10057 STRATTON, C. L. Turkeys pay for expertness in both growing and marketing. East. States Coop. 28(10): 16-17. Oct.1952. 280.28 Ea7
Describes the management of a business.

10058 SWANSON, M. H., and SLOAN, H. J. Some protein changes in stored frozen poultry. (Abs.) Poultry Sci. 31:938. Sept.1952. 47.8 Am33P

10059 TERMOHLEN, W. D. The commercial poultry industry--how it grew in 25 years. Hatchery & Feed 26 (10):30-31,34,36. Oct.1952. 47.8 H28

10060 TIKHOMIROV, A., and GORIZONTOVA, E. Plucking of water fowl [ducks and geese]. (In Russian.) Miasnaia Indus. SSSR. 22(6):72-76. Nov./Dec.1951. 50.8 M58

10061 TRET'IAKOV, N. P. What's preventing the development of the poultry industry in White Russia. (In Russian.) Ptitsevodstvo 5:2-5. May 1952. 47.8 P95

10062 TURNBULL, D. M. The little chick that grew. Hatchery & Feed 26(10):49-54. Oct.1952. 47.8 H28
Poultry hatcheries and the International Baby Chick Association; now the American Poultry & Hatchery Federation.

10063 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Seven ways to greater egg profit, by W. D. Termohlen and B. Crom. Washington,Aug.20,1952. 3 p. 1.914 R2R11
Care and handling.

10064 U. S. PRODUCTION AND MARKETING ADMIN. In-plant chlorination in poultry dressing plants, by M. A. Howe, Jr., and H. E. Goresline. Washington,1952? 5 p. 1.956 P86In7

10065 U. S. PRODUCTION AND MARKETING ADMIN. Materials-handling equipment and methods in egg assembly plants, by F. P. Delle Donne and N. G. Paulhus. Washington,1952. 3 p. 1.956 M343M41
Paper at meeting of Poultry Science Association, Aug. 13, 1952, Storrs, Conn.

10066 U. S. PRODUCTION AND MARKETING ADMIN. Report of tests on transportation of frozen poultry with mechanically refrigerated trucks; an interim report, by H. D. Johnson and M. V. Gerrity. Washington,1952. 21 p. 1.956 M343R9

10067 U. S. PRODUCTION AND MARKETING ADMIN. Study of egg assembly facilities, by N. G. Paulhus and F. P. Delle Donne. Washington,1952. 8 p. 1.956 M343St9
Paper at meeting of Poultry Science Association, Aug. 13, 1952, Storrs, Conn.

10068 URNER, S. K. The Eastern Shore Poultry Growers Exchange. Amer. Egg & Poultry Rev. 14(9):72, 74,85. Sept.1952. 47.8 Am38

10069 VEGH, J. Economic and strategic importance of geese. Amer. Egg & Poultry Rev. 14(9):90,92-93. Sept.1952. 47.8 Am38

10070 WARREN, C. C. The hatchery and feed business of the future. Hatchery & Feed 26(10):14-16,18. Oct.1952. 47.8 H28

10071 WEEKS, J. P. Cutting adds sales appeal. Broiler Growing 3(10):16-17,43. Oct.1952. 47.8 B782

10072 YORKE, L. C. The table poultry industry in New South Wales. Rev. Mktg. & Agr. Econ. 20:97-121. June 1952. 286.8 N47M

RUBBER AND RUBBER SUBSTITUTES

10073 BELMAS, R. Emploi des charges avec le latex thermosensible. I. Rev. Gén. du Caoutchouc 29: 578-583. Aug.1952. 305.8 R32
English summary, p. 596.

10074 BLOOMFIELD, G. F. Rubber. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:461-478. Ref. 1951. 382 M31R

10075 BORGET. Note sur un essai de saignée du céara, réalisé a la station de Boukoko (Oubangui). Agron. Trop. [Nogent-sur-Marne] 7:367-372. July/Aug. 1952. 26 Ag88

10076 BRAENDLE, H. A. A midcentury review of rubber carbons. Rubber India 4(6):15-27. Ref. June 1952. 305.8 R829
Carbon black in rubber.

10077 BUSCARONS, F., and CAPITAN, F. Análisis de acelerantes de la vulcanización del caucho. Indus. y Quím. 14:61-63. Apr.1952. 385 In28

10078 CEYLON. RUBBER RESEARCH BOARD. Report, 1951. Colombo,1952. 82 p. 78.9 C33R

10079 COLLART, E. Transformation des produits bruts du sol pour la vente et les besoins locaux. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.): 39-44. 1952. 24 K83
Marketing of rubber and palm oil in the Belgian Congo.

10080 DALBERT, R. Etude diélectrique de caoutchoucs polaires et non polaires chargés de noir de carbone. II. Rev. Gén. du Caoutchouc 29:588-592,649-652. Ref. Aug-Sept.1952. 305.8 R32
English summary, p. 596,666.

10081 DOGADKIN, B., PECHKOVSKAIA, K., and MIL'MAN, TS. Structure and properties of filled rubber mixtures. X. Change in carbon black structures effected by temperature. (In Russian.) Kolloid. Zhur. 14:346-356. 1952. 385 K83

10082 DORRIS, T. B. Fiber-free rubber for reclaim. Rubber Age 71:773-780,821. Sept.1952. 305.8 R82

10083 GIESBERGER, G. Addition of formalin (formaldehyde) to rubber latex for prevention of pre-coagulation in formation of gas bubbles in sheets. (In Dutch.) Bergcultures 21:317,319. Aug.16,1952. 22.5 B45

10084 GILS, G. E. VAN. The use of formaldehyde for the preservation of latex. (In Dutch.) Bergcultures 21:319,321. Aug.16,1952. 22.5 B45

10085 HEINISCH, K. F. Deformation of rubber bales. (In Dutch.) Bergcultures 21:297,299,301,303,305,307,309. Aug.1,1952. 22.5 B45

10086 INSTITUT DES RECHERCHES SUR LE CAOUTCHOUC EN INDOCHINE. Rapport annuel, 1951. Laikhê,1952. 125 p. 78.9 In7R

10087 LECAT, P. L'hevea fera-t-il la fortune de Madagascar? Perspectives générales. Entrep. et Prod. de Madagascar 9:83-99. Oct./Dec.1951. 280.8 En8

10088 MARZOCCA, A., and FANTI, O. D. Extracción mecánica de caucho de "kok-saghyz." Argentina. Dir. Gen. de Invest. Agr. IDIA 5(52):14-16. Ref. Apr.1952. 9 Id3

10089 MINATOYA, S. Gomu genryo to yakuhin no chishiki [Knowledge of rubber materials and chemicals]. Tokyo,Raba Daijesutosha,1951. 282 p. 305 M66
Zenkoku gomu kojo meibo (Appendix: List of rubber factories in Japan), 82 p.

10090 MONTGUERRE, J. M. Le caoutchouc et sa synthèse dans l'oeuvre de Marcelin Berthelot. Rev. Gén. Caoutchouc 29:551-552. Aug.1952. 305.8 R32

10091 NATURAL RUBBER BUR. RESEARCH LABORATORY. Stretching highway dollars with rubber roads, by H. K. Fisher. Ed. 2. Washington,1951. 36 p. 288 N213

10092 RAFOLS, W. DE. Fermentación de raices de "Taraxacum kok-saghyz" Rodin. Spain. Inst. Nac. de Invest. Agron. B. 12:57-103. Ref. June 1952. 105.6 Sp14
English summary.

10093 REZNIKOVSKII, M. M., and KHROMOV, M. K. Investigation of spontaneous contraction of rubber. II. (In Russian.) Kolloid. Zhur. 14:357-366. 1952. 385 K83

10094 ROTGANS, G. E. Les prix du caoutchouc. (In Dutch.) Econ.-Statis. Ber. 37:747-750. Oct.1,1952. 280.8 Ec722
French summary, p. 743.

10095 SCHALLAMACH, A. The load dependence of rubber friction. London. Phys. Soc. Proc. 65(sect.B):657-661. Sept.1,1952. 334.9 L84

10096 SCOTT, J. R. Rubber test methods: progress at the 1951 I.S.O. meeting. Inst. Rubber Indus. Trans. 28:249-255. Oct.1952. 305.9 In7

10097 SIMPSON, L. I. Building a rubber industry in Nigeria. New Commonwealth 24:411-412. Oct.27, 1952. 280.8 C88

10098 SIVARAMAKRISHNAN, N. H., IYER, G. S. R., and RAO, M. R. A. Direct chlorination of rubber latex. J. Sci. & Indus. Res. 11B:327-332. Ref. Aug.1952. 475 J82

10099 TOULLEC, L. Quelques résultats concernant le tournage au gras du caoutchouc vulcanisé. Rev. Gén. du Caoutchouc 29:660-663. Sept.1952. 305.8 R32
English summary, p. 666.

10100 WOOD, R. I. Mooney viscosity changes in freshly-prepared raw natural rubber. Rubber Res. Inst. Malaya. J. 14:20-39. June 1952. 78.9 R824J

SEEDS

10101 BERTERO, A. Contrasting results in the seed trade. (In Italian.) Riso 1(7):19. Aug.1952. 59.8 R49
Tests.

10102 EASLEY, O. W., and WISE, L. N. Work of regional seed laboratory. Grain & Feed J. Consolidated 109(7):25-26. Oct.8,1952. 298.8 G762
Processing research at Mississippi State College.

10103 EIFRIG, H. Das saatgut entscheidet! Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1518. Sept.18, 1952. 18 L2346
Certification.

10104 FOLSOM, S. Pertinent facts about seed certification. Seed World 71(7):12,14. Oct.3,1952. 61.8 Se52

10105 GNEZDOV, S. V. Drying seeds of beets, carrots and cabbage. (In Russian.) Selek. i Semen. 19 (5):60-62. May 1952. 61.9 Se5

10106 HORAK, K. Zur herbstsaatgutaktion 1952. Landwirtschaft 17/18:258-259. Sept.1952. 19 L235
Austria.

10107 KRISHNASWAMY, P. Storage and germination of millet seeds. Madras Agr. J. 39:485-490. Sept.1952. 22 M262

10108 LOIBL, L. Saatgutverbilligungsaktion 1952. Bauer 5(30):4-5. Sept.6,1952. 19 B32
Austrian seed price policy.

10109 RAPIN, J., and CAPUTA, J. Prescriptions concernant l'admission, le contrôle et le commerce des semences de trèfle violet (Trifolium pratense). Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:59-61. Aug.1952. 17 J82A

10110 REGO, O. F. Semillas de calidad. Rev. de Agr. [Habana] 35:186-188. Nov.1951/June 1952. 8 Ag88Re
Cuba.

10111 SHAIN, S. S. Post-harvest ripening of seeds of perennial leguminous plants. (In Russian.) Vsesoûzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(8):11-15. 1952. 20 Ak1
Heat and air treatment.

10112 SKÅNES FRÖODLINGSFÖRENING. Report of the activities of the Scania Seed Growing Association during the year 1951. (In Swedish.) Malmohus Läns Hushällsk. Kvrtlskr. 2:169-192. 1952. 11 M29

10113 SMITH, T. C., and WEBSTER, C. B. "Live" grass seed; Collin County grass seed producers sell on the basis of "pure live seed." Prog. Farmer, Tex. Ed. 67(10):22-23. Oct.1952. 6 T311

10114 U. S. PRODUCTION AND MARKETING ADMIN. Conditioning and storage of seed cotton with special reference to mechanically harvested cotton, by Z. M. Looney and C. C. Speakes. Washington,1952. 38 p. 1.956 C82C75
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

10115 VIENNA. BUNDESANSTALT FUR PFLANZENBAU UND SAMENPRÜFUNG. Richtlinien für die anerkennung von saatgut landwirtschaftlicher und gärtnerischer kulturpflanzen. Wien,1952. 15 p. 61 V67

SUGAR AND SIRUPS

10116 AFANASENKO, S. S. Some remarks on discrepancies in analysing the products [of sugar manufacture]. (In Russian.) Sakh. Promysh. 26(7):18-20. July 1952. 65.8 Sa2

10117 AFANASENKO, S. S. Utilization of [sugar] beet pieces in production. (In Russian.) Sakh. Promysh. 26(9):23-24. Sept.1952. 65.8 Sa2

10118 ANDRES, P. Repetitorium der zuckertechnik. Z. f. die Zuckerindus. 2:232-233. (Cont.) July 20,1952. 65.8 D48

10119 ANDRES, P. Die rübenzuckerindustrie. Chem.-Ztg. 76:591-593. (Concl.) Ref. Sept.5,1952. 384 C427
Manufacture.

10120 ATCHISON, J. E. The bagasse paper situation. Sugar J. 15(5):30-34. Oct.1952. 65.8 Su391

10121 BAB'EV, N. N. Our method of mechanizing the unloading of sugar beets from railroad flatcars. (In Russian.) Sakh. Promysh. 26(8):27-30. Aug.1952. 65.8 Sa2

10122 BALCH, R. T., SMITH, B. A., and MARTIN, L. F. Note on the starch content of Louisiana sugarcane and raw sugar. Sugar J. 15(6):39-40. Nov.1952. 65.8 Su391

10123 BARANOVA, N. A. Method of operating TL-2 TSINS tractor shovel. (In Russian.) Sakh. Promysh. 26 (8):25-27. Aug.1952. 65.8 Sa2
Sugar beet loading equipment.

10124 BARRETT, E. P. The development of a synthetic replacement for bone char in cane sugar refining. Sugar J. 15(6):18,20-21,24-28. Nov.1952. 65.8 Su391

10125 BASOMBRIO ECHENIQUE, E. Las memorias del General Echenique y la industria azucarera peruana. Vida Agr. [Lima] 29:531,533-534. July 1952. 9.8 V66

10126 BLOCK, B. Betriebsmängel, rückblickende beobachtungen und verbesserungsvorchläge für die kommende betriebszeit. Z. f. die Zuckerindus. 2: 259-267. (Cont.) Aug.20,1952. 65.8 D48
English summary.
Germany.

10127 BOLLERT, W. Die dampfturbine in der zuckerfabrik. Z. f. die Zuckerindus. 2:272-275. Aug.20,1952. 65.8 D48
English summary.

10128 BÖRGER, H. E. A. Wirtschaftliche entwicklung der zuckerindustrie Indiens und kleine rohrzuckertechnologie. Zucker 5:343-345. Aug.1,1952. 65.8 Z82

10129 BÖTTGER, S. Zweckmässige kolloidausflockung bei guter saftreinigung. Z. f. die Zuckerindus. 2: 226-228. Ref. July 20,1952. 65.8 D48
English summary.

10130 BROWN, R. J. New products from beet juice. Sugar Press 36(6):8-9. Oct.1952. 66.8 Su322

10131 BURIÁN, A. The vernalization and storing of sugar beet seed. (In Czech.) Ceskoslov. Akad. Zemedel. Sborn. 25:185-198. Ref. Mar.1952. 19.5 C332C
English summary.

10132 CHACRAVARTI, A. S., PRASAD, K., and KHANNA, K. L. Role of clarifying agents in open-pan boiling of sugarcane juice. J. Sci. & Indus. Res. 11B: 305-307. July 1952. 475 J82

10133 COTTON, R. H., and others. Rapid approximate method for determination of moisture in pressed beet pulp. Analyt. Chem. 24:1498-1499. Sept.1952. 381 J825A
W. A. Harris, L. P. Orleans, and G. Rorabaugh, joint authors.

10134 COTTRELL, R. H., ed. Beet-sugar economics. Caldwell,Idaho,Caxton,1952. 379 p. 286.366 C82

10135 DAHLBERG, H. W. Composition of beets from widely separated areas. Sugar 47(10):46-47. Oct.1952. 65.8 F11

10136 DAY, R. B. Why load inspectors? Sugar Beet 10(7):9. Sept.1952. 66.8 Su34B

10137 DĚDEK, J. Forschung in der rübenzuckerindustrie. Z. f. die Zuckerindus. 2:217-223. July 20, 1952. 65.8 D48
English summary.

10138 DĚDEK, J. Forschung in der rübenzuckerindustrie. Zucker 5:360-367. Aug.15,1952. 65.8 Z82

10139 DELDEN, E. Modern boiling and its control. Sugar J. 15(4):32-37. (Cont.) Sept.1952. 65.8 Su391

10140 DELDEN, E. Modern boiling and its control. Sugar J. 15(5):35,37. (Concl.) Oct.1952. 65.8 Su391

10141 DILLEWIJN, C. VAN. Improving India's sugar output. Sugar 47(11):33-34. Nov.1952. 65.8 F11

10142 DORFELDT, W., and PAULENZ, H. Zuckerverluste beim kalklöschen mit absüsswasser. Z. f. die Zuckerindus. 2:270-271. Aug.20,1952. 65.8 D48
English summary.

10143 DOSS, K. S. G., and SARASWAT, H. C. A technique for investigating the effect of pH on spreading property of substances. J. Sci. & Indus. Res. 11B:349-350. Aug.1952. 475 J82
In sugar technology.

10144 DUBOURG, J., and DEVILLERS, P. Étude de la floculation des jus par les bases alcalino-terreuses. Indus. Agr. et Aliment. 69:555-563. July/Aug.1952. 383 As7
English summary.

10145 DU TOIT, J. L. Annual summary of agricultural data for the sugar cane crop 1950-51. So. African Sugar J. 36:429,431,433. July 1952. 65.8 So8

10146 FISCHER, E. Halbmikroverfahren zur bestimmung einiger zuckerarten nach den kupfermethoden. Chem. Tech. 4:252-253. June 1952. 384 C4283

10147 FORT, C. A., and others. Aconitic acid content and composition of Louisiana blackstrap molasses. Sugar 47(10):33-35. Oct.1952. 65.8 F11
B. A. Smith, C. L. Black, and L. F. Martin, joint authors

10148 FRIDMAN, S. E. Acceptance of [sugar] beets according to physical condition and actual dirtiness. (In Russian.) Sakh. Promysh. 26(7):16-18. July 1952. 65.8 Sa2

10149 GOSS, B. K. Report on micro methods of sugar analysis. Assoc. Off. Agr. Chem. J. 35:635-636. Aug.15,1952. 381 As7

10150 GRANTHAM, J. R., and HAVIGHORST, C. R. Now—local sugar processing. Food Engin. 24(10):71-72, 164,166,168-169. Oct.1952. 389.8 F737

10151 HONIG, P. The technology of crystallizers; the heat transfer in crystallizers. II. Sugar J. 15(4): 16-19,22. (Cont.) Sept.1952. 65.8 Su391

10152 HONRADO, P. A. Philippine sugar: the long view. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.190-198. Manila,Graphic House,1952. 37 P533
Statistical.

10153 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian sugar statistics 1950-51. New Delhi, 1951. 225 p. 269.5 Ag82Is

10154 INDIAN sugar manual, 1950 & 1951. Nawabganj,Kanpur, Sugar Technol. Assoc. of India,1952. 281 p. 286.86 In2
Data on the industry.

10155 IUROV, A. T. Clarification of yellow sugar with diffusion juice. (In Russian.) Sakh. Promysh. 26(28): 21. Aug.1952. 65.8 Sa2

10156 JORGENSEN, H. Apparat und methode für die quantitative bestimmung von zucker durch gärung. (Sum.) Brauwelt 40:964-965. Oct.2,1952. 390.8 B732

10157 KING, N. J. Sugar in the Australian economy. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 56:3-6. July 1,1952. 65.9 Q3C

10158 KLEĬMAN, B. M., and KRASNIŪK, G. M. To improve the set up of supervision and accounting; to achieve a sharp reduction in losses of [sugar] beets and sugar. (In Russian.) Sakh. Promysh. 26(7):1-5. July 1952. 65.8 Sa2
Policy of sugar industry.

10159 KUZ'MINOV, V. P. Results of public inspection, introduction of inventions and innovations in the sugar industry. (In Russian.) Sakh. Promysh. 26(7):6-10. July 1952. 65.8 Sa2

10160 LAMBORN & CO. Lamborn's outline of the marketing of sugar in the United States. New York,1951. 101 p. 280.365 L17

10161 MACEOIN, G. Papel de bagazo de caña de azúcar. Hacienda 47(10):38-41. Oct.1952. 6 H11

10162 MAGALLON DE LA VEGA, A. Azúcar y niveles de vida. Rev. de Econ. 15:256-260. Aug.1952. 280.8 R3293
Mexico.

10163 MARCELO, S. S. The Sugar Act of 1952. Sugar News [Manila] 28:302-303. July 1952. 65.8 Su36

10164 MEADE, G. P. Fifty years of cane sugar refining. Internatl. Sugar J. 54:267-268. Oct.1952. 65.8 In8

10165 MEADE, G. P. The Williamson clarifier and phosphoric acid defecation history and development. Sugar J. 15(6):33-35. Nov.1952. 65.8 Su391

10166 MILLER, S. E. Switchgear interrupting capacity for the sugar mills of Puerto Rico. Sugar J. 15(5): 21,24,26-28. Oct.1952. 65.8 Su391

10167 NAKASHIMA, H., and OTSU, S. On the utility value of underground stalk of sugar cane remained after harvest as a raw material for sugar manufacture. (In Japanese.) Kyushu Noji Shikinjo 8:73. Oct.1951. 107.6 K996

10168 NEMIROVSKIĬ, S. S. Complex automatization, weighing and sewing up of sugar bags. (In Russian.) Sakh. Promysh. 26(7):36-38. July 1952. 65.8 Sa2

10169 NEW "SUGAR service" processing line. Food Engin. 24(10):136-139. Oct.1952. 389.8 F737
Flow chart.

10170 O'BRIEN, C. H. The history of the Australian sugar industry. Austral. Sugar J. 44:383,385. (Cont.) Aug.15,1952. 65.8 Au7

10171 O'BRIEN, C. H. The history of the Australian sugar industry. Austral. Sugar J. 44:451,453. (Cont.) Sept.15,1952. 65.8 Au7

10172 ODINTSOVA, Z. D. On raising the quality of sugar. (In Russian.) Sakh. Promysh. 26(8):18-21. Aug. 1952. 65.8 Sa2

10173 PAPER can be made from bagasse. Pulp & Paper Mag. Canada 53(11):83-86. Oct.1952. 302.8 P96

10174 PASECHNIK, V. A. To eliminate the gap between the raw material and technical bases of sugar factories. (In Russian.) Sakh. Promysh. 26(7):10-13. July 1952. 65.8 Sa2

10175 PERK, C. G. M. Boiling scheme calculations; straightforward arithmetical method. So. African Sugar J. 36:475,477,481,483,485,487,489. Aug.1952. 65.8 So8

10176 QUENTIN, G. Versuche zur kontinuierlichen filtration des schlammsaftes. Zucker 5:299. July 1,1952. 65.8 Z82

10177 RAMOS NUÑEZ, G. Apartes de la conferencia sobre caña de azúcar dictada en la reunión de ingenieros agrónomos, efectuada en Buga en enero del año de 1948. Rev. Nac. de Agr. 46(569):24-26. Sept.1952. 9.4 R32
Sugar manufacture.

10178 RAMOS NUÑEZ, G. Caña. Agr. Trop. 8(9): 9-14. Sept.1952. 26 Ag8
Culture and processing in Colombia.

10179 RIPERT, F. Production sucrière dans l'Ile de La Réunion. Sucr. Franç. 93:220-221. Sept.1952. 65.8 J82

10180 SAVARIT, P. Le fonctionnement des systèmes d'extraction en sucrerie et distillerie. Sucr. Franç. 93:179-193. Aug.1952. 65.8 J82
Sugar beets.

10181 SCHNEIDER, F., and EMMERICH, A. Zur frage der qualitätsbestimmung von verbrauchszucker. Zucker 5:342-343. Aug.1,1952. 65.8 Z82

10182 SCHWIETER, A. Neuzeitliche weisszuckertrocknung und kühlung. Z. f. die Zuckerindus. 2:275-277. Aug.20,1952. 65.8 D48
English summary.

10183 SELÍATITSKÍĬ, V. A. Processing the tail pieces of sugar beets. (In Russian.) Sakh. Promysh. 26 (9):21-23. Sept.1952. 65.8 Sa2

10184 SNYDER, C. F. Report on sugars and sugar products. Assoc. Off. Agr. Chem. J. 35:634-635. Aug. 15,1952. 381 As7

10185 TANTAOUI, M. Dextran, its effect on polarization and true sucrose determination in sugar juice. Sugar J. 15(6):36-38. Nov.1952. 65.8 Su391

10186 TETERIN, V. A., and REVENKO, V. V. Colorimetric apparatus for qualitative determination of the optimum alkalinity of the juice of the second saturation. (In Russian.) Sakh. Promysh. 26(8):40-41. Aug. 1952. 65.8 Sa2
Sugar manufacture.

10187 THIES, H. Werdegang und eigenschaften des zuckers; die gewinnung von zucker aus zuckerrohr. Deut. Bienenwirt. 3:143-144. Aug.1952. 424.8 D489

10188 THIES, H. Werdegang und eigenschaften des zuckers; die wirtschaftliche bedeutung des zuckers. Deut. Bienenwirt. 3:70-71. Apr.1952. 424.8 D489

10189 THIES, H. Werdegang und eigenschaften des zuckers; die zuckerrübe. Deut. Bienenwirt. 3:90-92. May 1952. 424.8 D489

10190 TÖDT, F. Die praktische bedeutung elektrochemischer sauerstoffmessungen. Z. f. die Zuckerindus. 2:278. Ref. Aug.20,1952. 65.8 D48
English summary.
In sugar manufacture.

10191 TOURLIÈRE, S. pH et acidité en distillerie. Indus. Agr. et Aliment. 69:565-575. July/Aug.1952. 383 As7
English summary.
Sugar beet processing.

10192 TRET'ÍAKOV, V. N. Bottom shaking of second molasses in mixers. (In Russian.) Sakh. Promysh. 26 (9):33-34. Sept.1952. 65.8 Sa2
Sugar manufacture.

10193 TVEDTEN, H. A. Hot spots delay harvest. Crystal-ized Facts Sugar Beets 6(4):22. Oct.1952. 66.8 C88
Sugar beet storage.

10194 TVERDOKHLEBOV, L. S. Simplified formulas for calculating the coefficient of yield of white sugar and feed molasses from the manufactured products. (In Russian.) Sakh. Promysh. 26(8):39-40. Aug.1952. 65.8 Sa2

10195 UFFICIO BIETICOLO DI PARMA. Beet culture in Parma. (In Italian.) Conv. Econ. Naz. dell'Agr Atti 1951:135-137. 281.9 C7674
The industry.

10196 U. S. PRODUCTION AND MARKETING ADMIN. Sugar programs of 1950. Washington,1951. 8 p. 1 Su3

10197 VÁZQUEZ, E. A. Obtencion de celulosa o pasta de papel del bagazo de la caña de azucar con ácido nítrico. Asoc. de Téc. Azucareros de Cuba B. Ofic. 11:265-267. Aug.1952. 65.9 As5B

10198 VILÌANSKIĬ, I. L. From the practices of the sugar factories of the Alma-Ata Combine. (In Russian.) Sakh. Promysh. 26(7):25-26. July 1952. 65.8 Sa2

10199 VINOGRADOV, N. V. Best organization of raw material areas and establishments—most effective method of controlling losses of beets and sugar. (In Russian.) Sakh. Promysh. 26(9):37-40. Sept.1952. 65.8 Sa2
Statistics.

10200 VOL'KENSHTEIN, B. M. Cost analysis of sugar. (In Russian.) Sakh. Promysh. 26(9):40-43. Sept. 1952. 65.8 Sa2

10201 VOROB'EVA, E. A. Determining the quantity of [sugar] beets in a stack. (In Russian.) Sakh. Promysh. 26(9):31-32. Sept.1952. 65.8 Sa2
Formula.

10202 WALLACE, W. D. The sugar story. Foreign Trade 12(301):16-17. Oct.4,1952. 286.8 C162
Philippines.

10203 WENZL, H. Lagerungsverluste bei zuckerrüben — ursachen u. vorbeugungsmöglichkeiten. Pflanzenarzt 5(9):3-4. Sept.1,1952. 464.9 P482

10204 WESCHKE, K. Sorge um das wasser. Z. f. die Zuckerindus. 2:267-269. Aug.20,1952. 65.8 D48
English summary.
In sugar manufacture..

10205 WHALLEY, H. C. S. DE, GARDINER, S. D., and RUNECKLES, R. E. Determination of sucrose in beet molasses: raw beet syrups and other syrups containing raffinose. Internatl. Sugar J. 54:244. Sept.1952. 65.8 In8

10206 WIGGINS, L. F. Sugars. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:726-742. Ref. 1951. 382 M31R

10207 WOERMANN. Betriebswirtschaftliche fragen des deutschen zuckerrübenbaus. Agrarwirtschaft 1:238-244. Sept.1952. 281.8 Ag826

10208 WOLFROM, M. L., BINKLEY, W. W., and MARTIN, L. F. Molasses: a neglected product of sugar cane, some of its unknown constituents. Internatl. Sugar J. 54:249-250. Sept.1952. 65.8 In8

10209 ZERBAN, F. W. Report on transmittancy of sugar solutions. Assoc. Off. Agr. Chem. J. 35:636-647. Aug.15,1952. 381 As7

10210 ZHUKOV, K. S., and KATS, D. I. Nomographs for controlling defecation and preliminary defecation with reversion of uncarbonated juice of the first saturation. (In Russian.) Sakh. Promysh. 26(9):17-20. Sept.1952. 65.8 Sa2

10211 ZITKOWSKI, H. E. New developments in beet processing. Crystal-ized Facts Sugar Beets 6(4): 8-9. Oct.1952. 66.8 C88

TOBACCO

10212 ARENTS, G., JR. Tobacco; its history illustrated by the books, manuscripts and engravings in the library of George Arents, Jr., together with an introductory essay, a glossary and bibliographic notes, v. 5, by J. E. Brooks. New York,Rosenbach,1952. 327 p. 69 Ar33T

10213 ASMAEV, P. G. Apropos A. M. Kelleev's article "In regard to temperature regulation and relative air humidity in fermentation chambers." (In Russian.) Tabak 13:34-35. Jan./Feb.1952. 69.8 T112
Tobacco fermentation.

10214 ASMAEV, P. G., and ZHURAVLEV, N. V. Question of efficient methods for tobacco processing. (In Russian.) Tabak 13(2):25-28. Mar./Apr.1952. 69.8 T112

10215 BADENHUIZEN, N. P. Colloid chemistry in relation to problems of tobacco quality. So. African Indus. Chem. 6:151-152. June 1952. 385 So8

10216 BASKIN, I. I., and SHIRÌAEV, A. I. Some data on qualitative evaluation of tobacco and Nicotiana rustica raw material. (In Russian.) Tabak 13:49-52. Jan./Feb. 1952. 69.8 T112

10217 BUENOS AIRES (CITY) CAMARA DE FABRICANTES DE CIGARRILLOS. Datos estadísticos correspondientes al anõ 1951. Buenos Aires,1952. 20 p. 286.89 B86
Includes tobacco.

10218 CHACHIN, V. I. New method for separation of tobacco leaves without bins. (In Russian.) Tabak 13(3): 17-18. May/June 1952. 69.8 T112

10219 DOROKHOV, P. K. Determination of optimal moisture in tobacco while it is being processed in factories. (In Russian.) Tabac 13(3):21-22. May/June 1952. 69.8 T112

10220 ERMOLENKO, E. S. Method for second drying of tobacco. (In Russian.) Tabak 13(2):32-33. Mar./Apr. 1952. 69.8 T112

10221 FÉDÉRATION BELGO-LUXEMBOURGEOISE DES INDUSTRIES DU TABAC. Rapport annuel du conseil d'administration, exercice 1951 (cinquième année). Bruxelles,1952? 59 p. 286.3699 F31

10222 FRANKENBURG, W. G., and others. The chemistry of tobacco fermentation. I. Conversion of the alkaloids. A. The formation of 3-pyridyl methyl ketone and of 2,3'-dipyridyl. Amer. Chem. Soc. J. 74:4309-4314. Sept.5,1952. 381 Am33J
A. M. Gottscho, E. W. Mayaud, and T. C. Tso, joint authors.

10223 GALETO, A. F. New methods of cutting the Aztec tobacco leaves. (In Russian.) Tabak 13:58-59. Jan./Feb.1952. 69.8 T112

10224 GEDEON, J., and GOSWAMI, M. A process for the manufacture of nicotine sulphate from tobacco and tobacco wastes. Indian Tobacco 2:77-80. Apr./June 1952. 69.8 In2

10225 GUTIÉRREZ, M. E. The tobacco industry in transition. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.202-213. Manila,Graphic House,1952. 37 P533

10226 HUNT, R. Flyings, lugs, bright leaf, red leaf; if you don't want to ruin the market for burley tobacco, don't get in the habit of tying everything up together. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 67(10):20,160. Oct. 1952. 6 P945K

10227 ISAEV, S. G. New appliances for technical control. (In Russian.) Tabak 13(3):7-10. May/June 1952. 69.8 T112

10228 JANOS, B., and ILONA, P. Determination microvolumetrique de la nicotine dans le tabac. Rev. Internatl. des Tabacs 27:147,149,151. Ref. Aug./Sept. 1952. 69.8 R324

10229 KHOLOSTOV, V. A. To improve technology and by all means to raise the quality of [tobacco] production. (In Russian.) Tabak 13:1-8. Jan./Feb.1952. 69.8 T112

10230 LUZ FILHO, F. Tobacco cooperatives. (In Portuguese.) Coop [Bahia] 11(102/103):10. May/June 1952. 280.28 C7842

10231 MEISNER, F. Baden-Württemberg, das grösste tabakbau-land im bundesgebiet. Bad. Landwirt. Wchnbl. 119(36):V-VI. Sept.7,1952. 18 B142

10232 MEISNER, F. Beginn des absatzes der inlandsernte 1952; ablauf der einschreibungen für lose und gebüschelte grumpen. Bad. Landwirt. Wchnbl. 119:670-671. Sept.27,1952. 18 B142
Tobacco.

10233 MEISNER, F. Vergrösserung des anbaues von virgin-tabaken zur heisslufttrocknung. Bad. Landwirt. Wchnbl. 119:628-629. Sept.13,1952. 18 B142

10234 PATEL, M. S. Tobacco industry in India. Indian Tobacco 2:65-72. Apr./June 1952. 69.8 In2

10235 PERDOMO, J. E. La riqueza tabacalera cubana. Rev. de Agr. [Habana] 35:156-166. Nov. 1951/June 1952. 8 Ag88Re
The industry.

10236 RANCOURT, E. DE. L'essor de l'industrie du tabac au Japon. Rev. Internatl. des Tabacs 27:171,192. Oct.1952. 69.8 R324

10237 RUPERT, A. E. Notes on the chemistry of tobacco leaf curing, ageing and fermentation. So. African Indus. Chem. 6:143-147. June 1952. 385 So8

10238 SMIRNOV, A. P. Adopting objective methods for the control of the manufacturing process and quality of tobacco products. (In Russian.) Tabak 13(3):5-7. May/June 1952. 69.8 T112

10239 SUNJIC, K. Prilog istraživanju naših duhana i mahorka kao sirovine za industrysko dobivanje nikotina i limunske kiseline [Contribution to the research of our tobaccos and mahorkas as raw material for industrial production of nicotine and citric acid. Duhanski Inst. Kem. Lab. Radovi 4,73 p. Ref. 1951. 69.9 Z1
English summary.

10240 TÄUFEL, K., and BURMEISTER, H. Über das verhalten der stickstoffsubstanz bei der fermentation des tabaks. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:9-16. July 1952. 384 Z39

10241 TOTUBALIN, N. N. Semimicro-method for determination of nitrogenous albumin in tobacco. (In Russian.) Tabak 13(2):34. Mar./Apr.1952. 69.8 T112

10242 TUGADE, P. P. Centralized v. decentralized curing of Virginia tobacco. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p. 214-219. Manila, Graphic House,1952. 37 P533

10243 UNION OF SOUTH AFRICA. TOBACCO INDUSTRY CONTROL BOARD. Report for the period 1st May, 1951 to 30th April, 1952. Pretoria,1952. 52 p. 280.2699 So8

10244 U. S. PRODUCTION AND MARKETING ADMIN. Light air-cured tobacco market review, 1951 crop. I. Type 31—burley. Washington,1952. 28 p. 1.9 Ec714T
Statistics.

10245 VITART, J. Le tabac en Afrique Occidentale Française. Agron. Trop. [Nogent-sur-Marne] 7:343-354. July/Aug.1952. 26 Ag86
The industry.

10246 VLASOV, P. F. First experiment with a tobacco moistening stationary installation. (In Russian.) Tabak 13(3):13-16. May/June 1952. 69.8 T112

10247 VOĬTSEKHOVICH, M. D. Moistening tobacco leaves in a tobacco dampening machine (TUM). (In Russian.) Tabak 13(2):39-41. Mar./Apr.1952. 69.8 T112

10248 WARNER, B. R. Surface areas of tobaccos by low temperature nitrogen adsorption. Arch. Biochem. & Biophys. 40.143-152. Ref. Sept.1952. 381 Ar2

10249 ZHURAVLEV, N. V. Our achievements in organizing in-plant transportation. (In Russian.) Tabak 13(2):28-31. Mar./Apr.1952. 69.8 T112

MISCELLANEOUS PRODUCTS

10250 FOSSUM, M. T. The place of floriculture and ornamental horticulture in the economy of the United States at the mid-point of the twentieth century. South. Florist & Nurseryman 65(27):11-13. Sept.26,1952. 80 So86

10251 HOOS, S., and BOLES, J. N. Hops: statistical-economic analysis of marketing. Giannini Found. Agr. Econ. Mimeog. Rpt. 139,35 p. Sept.1952. 281.9 G34M

10252 KIZEVETTER, I. V. Urgent problems in the reconstruction of the salmon canning industry. (In Russian.) Rybnoe Khoz. 28(4):19-23. Apr.1952. 414.8 R962

10253 LOVERN, J. A. Chemistry and advances in fish processing. (Sum.) Chem. & Indus. 39:948. Sept. 27,1952. 382 M31C

10254 PUTNAM, R. C. The chemistry of vegetable tannins. V. Wattle. Amer. Leather Chem. Assoc. J. 47: 586-588. Ref. Sept.1952. 303.9 Am32

10255 STEVENSON, V. Chrysanthemum packs compared. Grower [London] 38:766. Oct.18,1952. 286.83 M34

10256 STEVENSON, V. Successful flower marketing. London,Collingridge,1952. 164 p. 96.04 St4

10257 SUKHOVIĬ, V. S. Mechanized lines in barrel salting of small fish in Ukrainian SSR. (In Russian.) Rybnoe Khoz. 28(5):21-23. May 1952. 414.8 R962

10258 SUKRUTOV, N. I. Mechanized salting of fish in containers. (In Russian.) Rybnoe Khoz. 28(4):59-60. Apr.1952. 414.8 R962

10259 TUCAKOV, Y. Variations de la teneur en essence dans les différents organes du Salvia officinalis L. cultivé. Ann. Pharm. Franç. 10:428-433. June 1952. 396.8 An7

10260 U. S. BUR. OF AGRICULTURAL ECONOMICS. Stocks of hops, September 1, 1952. Washington,1952. 1 p. 1.941 S8H77

10261 WALKER, W. W. Licorice: dark mystery of industry. Atlantic Mon. 190(5):23-26. Nov.1952. 110 At6
The industry.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

10262 AKHTAR, S. M. The Colombo Plan with special reference to Pakistan. Pakistan Econ. & Com. 1: 197-209. Apr.1952. 280.8 P175

10263 ANDREWS, S. Time and people; Point 4 in perspective. Field Rptr. 1(2):2-6. Sept./Oct.1952. 150 F45

10264 BEAN, L. H. The business outlook. Rur. Outlook Conf., U. Mass. Rpt. 1951:3-7. 281.9 R885

10265 BERGSON, A. The conference on Soviet economic growth: conditions and perspectives. Social Sci. Res. Council. Items 6:29-33. Sept.1952. 280.9 So12S
Includes agriculture.

10266 BROMFIELD, L. Bread the foundation. Mod. Miller & Bakers News 79(22):24-27. Oct.25,1952. 298.8 M72
Industry-agriculture relationship.

10267 BUCHANAN, K. Nigeria—largest remaining British colony. Econ. Geog. 28:302-322. Oct.1952. 278.8 Ec7
Includes discussion of the agricultural economy.

10268 CALZECCHI-ONESTI, A. Current economic problems. (In Italian.) Italia Agr. 89:517-522. Aug.1952. 16 It1

10269 COLOMBIA. MINISTERIO DE AGRICULTURA. Economía agropecuaria de Colombia en 1950. Bogotá, 1952. 190 p. 9.4 C719E

10270 CUMBERBATCH, A. B. Egypt; economic and commercial conditions in Egypt. London,Board of Trade, 1952. 138 p. (Overseas Economic Surveys) 270 Eg97
Includes conditions in agriculture.

10271 DIAZ BARRETO, R., and ACUNA GALE, J. Estudio económico-social del municipio de Baracoa. Habana?1952. 146 p. 280.14 D54

10272 HAAN, J. DE. Bedrijfseconomie voor administratieve land en tuinbouwcursussen en landbouwscholen [Farm economics for courses in agricultural and horticultural administration in agricultural schools]. Ed. 2. Zwolle,Tjeenk Willink,1952. 54 p. 281 H11

10273 HENDERSON, I. L. Paraguay; economic and commercial conditions in Paraguay. London,Bd. of Trade,1952. 49 p. (Overseas Economic Surveys) 255.7 G79
Includes agriculture.

10274 JENNINGS, SIR W. I. The economy of Ceylon. Ed. 2. Madras,Oxford U. Press,1951. 194 p. 280.182 J44
Includes agricultural economy.

10275 KOSTIŪKHIN, D. Advancement of national economy in Bulgaria. (In Russian.) Vneshn. Torg. 22(7): 1-9. July 1952. 286.8 F762
Includes agriculture.

10276 LOUCKS, W. N., and HOOT, J. W. Comparative economic systems; capitalism, socialism, communism, fascism, cooperation. Ed. 4. New York,Harper, 1952. 899 p. 280 L92

10277 METCALF, J. E. The agricultural economy of Indonesia. U. S. D. A. Agr. Monog. 15,100 p. Ref. July 1952. 1 Ag84Am

10278 OFFERMAN, P. Le gibier dans l'économie rurale de la Colonie. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):57-62. 1952. 24 K83
Includes damage to crops by game.

10279 OJALA, E. M. Agriculture and economic progress. London,Oxford. U. Agr. Econ. Res. Inst., 1952. 220 p. 281 Oj1

10280 THE STATIST. Canada; economic survey. Ottawa,1952. 72 p. 280.13 St2

10281 SUPREME COMMANDER FOR THE ALLIED POWERS. ECONOMIC AND SCIENTIFIC SECT. Mission and accomplishments of the occupation in the economic and scientific fields. Tokyo,1952. 79 p. 280.183 Su72
Includes agriculture.

10282 UNITED NATIONS. SECRETARIAT. DEPT. OF ECONOMIC AFFAIRS. Summary of recent economic developments in Africa. New York,1952. 49 p. (United Nations [Document] E/2193/Add. 2 (ST/ECA/14/Add.2)) 280.19 Un32
United Nations. Publications. 1952. 11 C.2 Supplement to World Economic Report, 1950-51.
Includes agriculture.

10283 WESTERMARCK, N. Economic conditions for agriculture in Scandinavia. (In Swedish.) (Excerpts.) Lantmannen 36:663-665. Aug.23,1952. 11 L234

AGRICULTURAL FINANCE

10284 AGRICULTURAL finance review 14(sup.),38 p. May 1952. 1.9 Ec78Af
Data on credit, insurance, and taxation.

10285 BURTIN, J. Pourquoi un budget professionnel? Fiches Rur. 83:21-32. Aug./Sept.1952. 281.8 F44
For rural families in France.

10286 CAMPBELL, W. W. A lay-away plan for farmers. Banking 45(4):60-61. Oct.1952. 284.8 Am3
Savings.

10287 CAMPBELL, W. W. A lay-away plan for farmers. Tarheel Banker 31(4):38-39. Oct.1952. 284.8 T17
Savings.

10288 GARLOCK, F. L., and others. The balance sheet of agriculture, 1952. U. S. D. A. Agr. Inform. B. 90,35 p. July 1952. 1 Ag84Ab
A. S. Tostlebe, L. A. Jones, and R. W. Bierman, joint authors.

10289 GASPARINI, I. Aspects on availability of capital in agriculture. (In Italian.) Banca e Cred. Agr. 1:411-446. 1951,pub.1952. 284.28 B223
Italy.

10290 GERMANY. BUNDESMINISTERIUM FUR ERNAHRUNG, LANDWIRTSCHAFT UND FORSTEN. Haushalt für das rechnungsjahr 1951. n.p.,1951. 109 p. 284.9 G312

10291 GILES, R. Y. Life on the farm gets better and better; new Agriculture Department facts point to bigger market, higher living standards in rural areas. Printers' Ink 241(5):30. Oct.31,1952. 238.8 P932

10292 KAMINSKII, A. Indivisible funds—basis for the development of the public economy of collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(9):8-9. Sept.1952. 281.8 K83

10293 MEL'NIKOV, S. Increase in returns and strengthening the financial economy of the [agricultural] artel. (In Russian.) Kolkhoz. Proizvodstvo 12(9):10-13. Sept.1952. 281.8 K83

10294 NIKULIN, V. Indivisible funds of collective farms in Tadzhikistan. (In Russian.) Khlopkovodstvo 5: 14-18. May 1952. 72.8 K522

10295 ROUSSEL, P. Le rôle de la femme dans l'équilibre du budget. Fiches Rur. 83:17-20 Aug./Sept. 1952. 281.8 F44
France.

10296 TAJIRI, M. Agricultural finance in the Tohoku and Kinki districts—comparative study. (In Japanese.) Nogyo Sogo Kenkyu 6(3):213-236. July 1952. 22.5 N687

Credit

10297 ALVÁREZ MERINO, M. Crédito agrícola con garantía prendaria. Agr. Burgalés 19(213):7-8. Sept. 1952. 15 Ag86

10298 AMERICA'S largest bank looks at farm credit. Farm Mangt. 1(6):47-51. Sept./Oct.1952. 281.8 F2225

10299 BAICHLY, P. C. Sound credit is a joint responsibility. Grain & Feed J. Consolidated 109(7): 39-41. Oct.8,1952. 298.8 G762
In the feed industry.

10300 BANCO DE CRÉDITO DA AMAZÔNIA S. A. Relatório apresentado à Assembléia Geral dos Acionistas realizada e 31 de Março de 1952 [Report presented to the General Assembly of Stockholders March 31,1952]. Belém,1952. 240 p. 284.9 B2224

10301 BANCO HIPOTECARIO DE EL SALVADOR. Memoria 17° ejercicio iniciado el 1° de julio de 1951 y terminado el 30 de junio de 1952. San Salvador,1952. 32 p. 284.29 B2272

10302 BASEVI, A. Cooperative credit in Italy. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C. C. P. L. 5:201-205. July 1952. 44.8 B634

10303 BAUGHMAN, E. T. Bankers and farmers team up on soil improvement program; Wisconsin banks encourage use of needed fertilizer by providing loans tailored to individual farmer. Impl. & Tractor 67(20):80. Sept.27,1952. 58.8 W41

10304 BEASLEY, J. W. Cattle loans spark prosperity. Bankers Mon. 69(10):7-8,10,12. Oct.1952. 284.8 B223

10305 BEERS, Z. H. These loans make hay! Farm J. 76(10):58-60. Oct.1952. 6 F2212
Credit for purchasing fertilizer for alfalfa.

10306 BEGHI, P. Notes on credit for agricultural mechanization. (In Italian.) Mondo Econ. 7(33/34):5. Aug.23,1952. 280.8 M742
Italy.

10307 BERTHELET, P. Crédit agricole de la Charente. Paysan Franç. 28(417):12-13. Sept.1952. 14 P29

10308 BORIE, and GONTAN. Rêpartition départementale des prêts provenant du fonds de modernisation et d'equipement. France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 73/74:181-184. Aug./Sept.1952. 281.8 F84

10309 BRUNE, H. L., and others. The outlook for cattle feeder loans. Nowest. Banker 57(784):14-15,26, 28,30,32-35. Nov.1952. 284.8 N81

10310 CARRILLO HERNÁNDEZ, J. Forum de conferencias sobre economía. Banco de Fomento Agr. e Indus. de Cuba. P. 1,32 p. Apr.1951. 284.9 B2235
Credit and the Banco de Fomento Agricola e Industrial de Cuba.

10311 CORBION, P. Le crédit agricole indigène au Congo Belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):53-56. 1952. 24 K83

10312 CRAMOIS, A. Les problèmes de la liquidité dans les institutions de crédit à l'agriculture. Banca e Cred. Agr. 1:301-320. 1951. 284.28 B223

10313 CRÉDIT AGRICOLE ET COOPÉRATIF. XXème assemblée générale ordinaire du 29 avril 1952; rapports du conseil d'administration et des censeurs résolutions, exercice 1951. Le Caire,1952. 25 p. 284.29 C86R

10314 FABRICIUS, M. G. How banks can help young farmers get a start. Nowest. Banker 57(783):23,127-128. Oct.1952. 284.8 N81

10315 FAVARA, E. On the right of the direct cultivator in connection with the petition of agricultural credit mutuals. (In Italian.) Banca e Cred. Agr. 1:239-246. 1951. 284.28 B223
Italy.

10316 GLEASON, E. The man in the middle; your banker knows agriculture and farm credit needs; work with him for mutual benefit. Feedstuffs 24(41):38. Oct. 11,1952. 286.81 F322

10317 HEIM. Der landwirtschaftliche kredit - 45 mill. DM aus der reserve der III. ERP-tranche. Württemb. Wchnbl. f. Landwirt. 119:800. Sept.6,1952. 18 W96

10318 HENNING, G. F., and EVANS, M. B. Financing feeder livestock. Ohio Farm & Home Res. [Ohio Sta.] 37: 78-79. Sept./Oct.1952. 100 Oh3S

10319 HORLACHER, M. Helft der Raiffeisen-sparwoche zu vollem erfolg! Landwirt. Wchnbl. 142:1209-1210. Oct.25,1952. 18 L2338

10320 ISTITUTO DI CREDITO AGRARIO PER LA SARDEGNA. L'esercizio 1951 [Season 1951]. Banca e Cred. Agr. 1(4),42 p. 1951,pub.1952. 284.28 B223

10321 JETER, F. H. Farm relations. Tarheel Banker 31(4):13,15-16,30-31. Oct.1952. 284.8 T17
Public relations in banking.

10322 KENYA. LAND AND AGRICULTURAL BANK. Annual report 1951. Nairobi,1952. 26 p. 284.29 L222

10323 LECROY, T. H. Guide to a farm program in easy-to-read outline. Banking 45(5):57-58. Nov.1952. 284.8 Am3
For banks.

10324 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. CO-OPERATIVE SERV. BR. Annual report for the year ending December 31, 1951. Winnipeg, 1952. 21 p. 284.9 M31

10325 MARTINI, A. DE. Critical summary of jurisprudence and theory on banking contracts (decennium 1941-1950). III. (In Italian.) Banca e Cred. Agr. 1:271-300. 1951. 284.28 B223
Italy.

10326 MOLEA, O. Un'altra postilla al credito per la meccanizzazione agricola. Mondo Econ. 7(37):4. Sept. 13,1952. 280.8 M742
Italy.

10327 MOLNAR, I. Credit for soil conservation in Australia. Austral. Inst. Agr. Sci. J. 18:81-90. Ref. June 1952. 23 Au74

10328 MORA DAVILA, N. La ganaderia, fuente de divisas. Rev. Agr. y Ganad. 13(149):20-21. June 1952. 9.4 R327
Colombia.

10329 NOMBEL, A. L. Le crédit agricole et la Caisse Foncière de Tunisie. B. Econ. et Social de la Tunisie 67:20-36. Aug.1952. 280.8 B874

10330 OPPO, G. Incompleteness, completeness, and "blank" of successive exchange operations. (In Italian.) Banca e Cred. Agr. 1:377-401. 1951,pub.1952. 284.28 B223

10331 OSUUSKASSOJEN KESKUSLIITTO HELSINKI. Co-operative banking in Finland; statistics 1905-1950, summary. Helsinki,1951. 7 p. 284.2 Os8

10332 PETERSON, A. E. Bankers invest in better farm soils. Crops & Soils 5:22-24. Oct.1952. 6 W55
Loans to facilitate soil improvement.

10333 PIRAS, S. On bank checks and guaranteed payment. (In Italian.) Banca e Cred. Agr. 1:402-405. 1951,pub.1952. 284.28 B223
Italy.

10334 PORTER, H. G., and FISHBURNE, S. P. An agricultural man in your bank. Richmond,Fed. Reserve Bank Richmond,1952. 35 p. 284.2 P832

10335 RAVA, M. G. Sources of agricultural credit in Italy. (In Italian.) Banca e Cred. Agr. 1:447-454. 1951,pub.1952. 284.28 B223

10336 RAWLINGS, B. R. Sources of farm real estate credit. Fed. Reserve Bank Atlanta. Mon. Rev. 37:69-71. Sept.30,1952. 284.8 F31A

10337 SAMBERGS, Å. More machines—fewer loans for machines. (In Swedish.) Lantmannen 36:703-705. Sept.6,1952. 11 L234
Regulations in regard to loans for equipment cooperatives.

10338 SAMBERGS, Å. The savings banks and agriculture. (In Swedish.) Lantmannen 36:668-669. Aug.23,1952 11 L234

10339 SCHULZE HENNE, K. Die bedeutung des pachtkreditgesetzes für das pachtwesen. Deut. Landwirt.-Gesell. Mitt. 67:708-710. Oct.2,1952. 18 N39

10340 SORENSEN, H. What North Dakota bankers are doing for young farmers; funds raised to send 50 men to agricultural short course. Nowest. Banker 57(784):16, 20-21. Nov.1952. 284.8 N81

10341 SOUSA, J. S. I. DE. A farmer reads the report of the Bank of Brazil. (In Portuguese.) Chacaras e Quintais 86:335-336. Sept.15,1952. 9.2 C34

10342 TAPP, J. W. Poultry financing as a tool—not a crutch. Amer. Egg & Poultry Rev. 14(9):24,26,28,30,32. Sept.1952. 47.8 Am38

10343 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. The present credit and debt position of farmers; with special reference to farmers ability to meet 1952 production goals in the 1951 soft corn and drouth areas. Washington,1952. 8 p. 284.2 Un37Pr

10344 U. S. FARM CREDIT ADMIN. Farm mortgages recorded, 1951. Washington,1952. 22 p. 1.955 A2F228

10345 U. S. FARM CREDIT ADMIN. Risk problems of production credit associations. U. S. Farm Credit Admin. CR-5,68 p. Jan.1952. 1 F223B

10346 U. S. FARMERS HOME ADMIN. Farmers Home Administration. Washington,1952? 2 p. 1.949 F224
Credit facilities and services.

10347 U. S. GENERAL ACCOUNTING OFF. Report on audit of Commodity Credit Corporation for the fiscal year ended June 30, 1951. 82d Cong., 2d sess., H. Doc. 403,53 p. 1952. 151.49 R294

10348 UPCHURCH, J. M. Livestock production loans. Miss. Banker 37(5):13,27-30,32,34. Oct.1952. 284.8 M69

10349 VAN VLISSINGEN, A. Banker-farmer views of W. H. Brenton. Burroughs Clearing House 37:38-40,84-86. Oct.1952. 284.8 B94

10350 VENKATAPPIAH, B. The Reserve Bank of India—its aims and activities. Madras J. Co-op. 44:91-97. Aug.1952. 280.28 M26
Agricultural credit.

10351 VILLA, C. DE. Notes on bank contracts in general and on the current bank account in particular. (In Italian.) Banca e Cred. Agr. 1:247-270. 1951. 284.28 B223
Italy.

Income

10352 BEAN, L. H. Are farmers getting too much. (Condensed.) Farm Policy Forum 6,i.e.5(10):15-18. Oct.1952. 281.8 F2274
Income.

10353 BRONNEN, H. Warum nicht einkommensparität? Übersicht 3(9):5-11. Sept.1952. 18 Ub3
Germany.

10354 DIVATIA, V. V. Income of Bombay State, 1950-51. Bombay. Bur. Econ. & Statis. B. 5(3):15-51. Jan.1952. 269.54 Ec7
Includes agricultural income.

10355 HOCHWALD, W. Eighth district income in 1951. Fed. Reserve Bank St. Louis. Mon. Rev. 34:131-143. Oct.1952. 284.8 F31Sa
Includes agricultural income.

10356 NEW ZEALAND. CENSUS AND STATISTICS DEPT. Incomes, vol. X. Wellington,1952. 110 p. 271.2 C33C
Includes farm incomes.

10357 SETBACK in agrarian income. Oriental Econ. 20(503):11-13. Sept.1952. 280.8 Or4
Japan.

Inflation

10358 MANCH, A. Too much money! Hoard's Dairyman 97:805,813. Oct.10,1952. 44.8 H65
Inflation.

Insurance

10359 BAINBRIDGE, J. Biography of an idea; the story of mutual fire and casualty insurance. Garden City, N. Y.,Doubleday,1952. 381 p. 284.6 B16
Includes farm insurance.

10360 BECKERICH, A. Assurances sociales agricoles des stagiaires et des apprentis. Agr. Prat. 116: 451-452. Sept.1952. 14 J82
France.

10361 DANIELE, A. Social insurance in the field of agriculture. (In Italian.) Salento Agr. 3(8):3. Aug. 1952. 281.8 Sa3

10362 FONTANILLE, H. La sécurité sociale agricole: l'allocation aux vieux travailleurs salariés. Algérie Agr. et Vitic. 30(1217):1. Sept.6,1952. 24 AL37

10363 GOUVERNEUR, F. Les projets de reforme de la sécurité sociale. Fiches Rur. 84:13-20. Oct.1952. 281.8 F44
France.

10364 KAAS, J. Neuregelung der sozialversicherung der unständig beschäftigten in der land- und forstwirtschaft. Landwirtschaft 17/18:253-254. Sept.1952. 19 L235
Austria.

10365 KÄSS, L. Verbesserungen der leistungen der gesetzlichen unfallversicherung. Dreschen u. Pflügen 7 (8):9-10. Aug.15,1952. 58.8 D81

10366 KIENTSCH, A. Die krankenversicherung in der landwirtschaft. Schweiz. Bauer 106(115):13. Oct.3, 1952. 17 Sch95

10367 KIENTSCH, A. Die unfallversicherung in der landwirtschaft. Schweiz. Bauer 37(109):19. Sept.19, 1952. 17 Sch95

10368 ROBINSON, J. L. Co-op insurance meets windstorm disaster. News Farmer Coop. 19(5):7,14-15. Aug.1952. 166.2 N47

10369 SIBLEY, D. R. Poultry insurance. Amer. Egg & Poultry Rev. 14(9):42,44. Sept.1952. 47.8 Am38

10370 U. S. GENERAL ACCOUNTING OFF. Report on the audit of Federal Crop Insurance Corporation for the fiscal year ended June 30, 1951. 82d Cong. 2d sess., H. Doc. 346,17 p. 1952. 151.49 R295

10371 YAMAUCHI, T. Consideration on farmers' demand for crop insurance in Japan. (In Japanese.) Nogyo Sogo Kenkyu 6(3):113-146. July 1952. 22.5 N687

Taxation

10372 BENEKE, R. R., and BODENSTEINER, L. J. Are you paying more tax than necessary? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:43-44. Sept.1952. 275.28 Io94
Income tax.

10373 BENEKE, R. R., and BODENSTEINER, L. J. Maybe you're paying more income tax than necessary. 40(4):9,36-37. Oct.15,1952. 6 M764

10374 BIDAUD, A. Dégrèvements fiscaux pour pertes de récoltes. Rev. de Lég. Agr. 3:115-116. July/Aug.1952. 281.8 R325
France.

10375 BRUGGEMANN. Einheitswert und steuergeheimnis im landwirtschaftsrecht. Recht der Landwirt. 4:253-257. Oct.1952. 30.58 R24
Germany.

10376 DEVAUX. La taxe de circulation sur les viandes. France. Min. de l'Agr. Rev. Inform. Juridique et Sociale 73/74:153-155. Aug./Sept.1952. 281.8 F84

10377 FREEZE, C. A. Recent tax developments that apply to ranchers and farmers. Sheep & Goat Raiser 33: 22,24. Oct.1952. 45.8 Sh3

10378 HALL, I. F. Farmers' 1952 Federal income tax. Hoard's Dairyman 97:886,901. Nov.10,1952. 44.8 H65

10379 HULSE, F. E., WALKER, W. P., and SIGAFOOSE, W. T. Improving farm building assessment techniques. Md. Agr. Expt. Sta. Misc. P. 141,23 p. June 1952. 100 M36M

10380 HULSE, F. E., and WALKER, W. P. Property tax problems in rural-urban fringe areas. Md. Agr. Expt. Sta. Misc. P. 135,24 p. May 1952. 100 M36M

10381 JACOBY, E. H. Taxation of the agricultural population in underdeveloped countries. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 1(2):2-5. June 1952. 251 F73Mb

10382 KRIEBER, F. Erbschafts- und versicherungssteuer. Bauer 5(31):14-15. Sept.13,1952. 19 B32
Austria.

10383 KRIEBER, F. Die neuen steuergesetze. Bauer 5(29):11-12. Aug.30,1952. 19 B32
Austria.

10384 MILLER, J. R. You and your income tax; tax accounting for livestock sales. Natl. Grange Mon. 49(10): 10,15,46. Oct.1952. 6 N215

10385 MUTHLING, H. Aktuelle steuerfragen der land- und forstwirtschaft. Recht der Landwirt. 4:33-36. Feb.1952. 30.58 R24
Germany.

10386 RUHRLANDER. Zwischen soforthilfeabgabe und lastenausgleich. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1651-1652. Oct.9,1952. 18 L2346

10387 SCHOLTES, W. H., and RIECKEN, F. F. Use of soil survey information for tax assessment in Taylor County, Iowa. Soil Sci. Soc. Amer. Proc. 16:270-273. July 1952. 56.9 So3

AGRICULTURAL LABOR AND WAGES

10388 ALEKSANDROV, G. Organizational and technical rules for tractor work performance at machine-tractor stations. (In Russian.) Mashinno-Traktornaîa Sta. 12(7):3-6. July 1952. 58.8 M11

10389 ALEKSANDROV, G. ÎÂ. Peredovye metody raboty stakhanovtsev MTS [Progressive work methods of stakhanovites at machine-tractor stations]. Moskva, Vsesoîûznoe Obshchestvo po Rasprostraneniîu Politiche Skikh i Nauchnykh Znaniĭ,1952. 23 p. 283 AL23

10390 ALVIM, D. DE R. The peon. (In Portuguese.) Lav. e Criação 13(6):59-62. June 1952. 49 L392

10391 ARKEMA, P. W. B. Management of harvesting operations. (In Dutch.) Landbode 6(29):1-2. July 17,1952 12 L234

10392 BARSKIĬ, ÎÂ. S. A strong brigade—basis of successful work. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):36-37. Dec.1951. 95.8 V77
Work management in vineyards.

10393 BLAIS, R. Simplification du travail sur la ferme. Foyer Rur. [Montreal] 11(9/10):8,12,20. July July/Aug.1952. 7 F83

10394 BRACKE, O. Arbeitserleichterungen in der hackfruchternte. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1464-1465. (Concl.) Sept.11,1952. 18 L2346

10395 BRUNOVSKIĬ, V., and KACHALOV, M. Leading mechanizers of Northern Kazakhstan. (In Russian.) Mashinno-Traktornaîa Sta. 12(7):12-13. July 1952. 58.8 M11
Tractor brigades.

10396 CALIFORNIA. COMMITTEE TO SURVEY THE AGRICULTURAL LABOR RESOURCES OF THE SAN JOAQUIN VALLEY. Agricultural labor in the San Joaquin Valley; final report and recommendations. Sacramento, 1951. 405 p. 283 C1292
Migratory labor.

10397 CHAUSOVSKIĬ, A. A. Experiment of Pobeda Collective Farm in payment of labor of milkmaids according to the fat content of milk. (In Russian.) Sotsialist. Zhivotnovod. 14(3):76-78. Mar.1952. 49 So71

10398 CHEBANENKO, S. I. Proper organization of work during excellent performance [in grape culture]. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):46-48. Dec.1951. 95.8 V77

10399 CHUKHNO, D. F. Organization of fruit-growing labor on consolidated collective farms. (In Russian.) Sad i Ogorod 8:26-30. Aug.1952. 80 Sa13

10400 CHUVIKOV, V. Advance payment [in kind] on collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(9):52-53. Sept.1952. 281.8 K83

10401 ENTRIKIN, N. Use hand labor mostly for farming in Finland. Kans. Stockman 37(12):42-43. Oct. 1952. 49 K134

10402 FENDEL, J. Die festsetzung von mindestarbeitsbedingungen. Recht der Landwirt. 4:146-147. June 1952. 30.58 R24
Germany.

10403 FLORENCE. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Il lavoro umano nelle aziende agrarie toscane [Human labor on Tuscan farms]. Florence. Cam. di Com. Indus. e Agr. Quaderni 7,63 p. 1952. 287 F65

10404 FRAER, S. V. Organizafsiîa raboty MTS v kolkhozakh [Organization of work of machine-tractor stations on collective farms]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 431 p. 283 F844

10405 GIBSON, A. Factors affecting production: labour. Hawkesburg Agr. Col. J. 49:106-107. July 31, 1952. 276.8 H31

10406 GLEMMESTAD, E. Working methods in potato harvesting. (In Norwegian.) Norsk Landbr. 18:308-310. (Concl.) Aug.9,1952. 11 N8122

10407 GONZALEZ GALINDO, A. Más de cuatro millones de pesetas pagadas a los productores agrícolas por indemnizaciones de reclamaciones laborales. Rev. Sind. de Estadis. 7(26):26-28. Second Q.1952. 263 Es8B

10408 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Report of proceedings under the Agricultural Wages Acts for the period 1st October, 1937 to 30th September, 1950. London,1952. 32 p. 283.9 G79Ra

10409 GÜNTHER, H. Die messungen der arbeitsproduktivität in der landwirtschaft. Deut. Landwirt. 3:505-508. Oct.1952. 18 D4822
Russian Zone.

10410 GUSEÎNBEKOV, A. G. To improve in every way the organization of work [in vineyards]. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):37-39. Dec.1951. 95.8 V77

10411 HARRIS, J. La escasez de nuevos pastores jóvenes en las montañas de Inglaterra. Agr. Venezol. 17(154):34-35. Jan./July 1952. 9.95 Ag8

10412 HOW I solve my labor problems. Prog. Famer, Carolinas-Va. Ed. 67(11):16,136. Nov.1952. 6 P945
As reported by 12 Master Farmers.

10413 HURTT, L. C. Ranch improvements at low labor costs; it's good business to utilize slack time and idle equipment. West. Livestock J. 30(48):46,86. Aug.15, 1952. 6 F2278

10414 INSTITUT NATIONAL POUR L'ÉTUDE AGRONOMIQUE DU CONGO BELGE. Nombre de journées-hommes (H.J.) nécessaires à l'établissement et à l'exploitation d'un hectare de quinquinas (Cinchona ledgeriana Moens) au Kivu. B. de Doc. et de Tech. Agr. 5(18):61-68. Fourth Q.1951. 24 B873

10415 IVANOVA, K. G., ed. Tablifsy dlîa nachisleniîa trudodnei v kolkhozakh [Tables for assignment of work-days on collective farms]. Ed. 3, rev. Moskva, Gosstatizdat,1951. 63 p. 30.6 Iv1

10416 KALANDADZE, A. M. Prava i obîazannosti kolkhoznogo brigadira [Rights and responsibilities of a collective farm brigadier]. Leningrad,Leningradskiĭ Gosudarstvennyĭ Ordena Lenina Universitet Imeni A. A. Zhdanova,1951. 25 p. 283 K124

10417 KOGANOV, A. Effectiveness of tractor and combine operation according to a time sheet. (In Russian.) Sofsialist. Sel'sk. Khoz. 23(7):33-37. July 1952. 281.8 So73
Work management.

10418 KRAMER, G. Leistungslöhne in der landwirtschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 1291. Aug.21,1952. 18 L2346

10419 KULAGIN, N. On distribution of the public production of collective farms. (In Russian.) Voprosy Ekon. 8:33-43. Aug.1952. 280.8 V89
Chiefly on wages.

10420 LARSON, R. Shorten time spent at the beet dump. Sugar Beet 10(7):15. Sept.1952. 66.8 Su34B

10421 LAZAROV, S. Normite vo selanskite rabothi zadrugi [Norms in peasant working cooperatives]. Skopje,"Zadružen Život,"1951. 113 p. 283 L45

10422 LOBANOVA, A. A. Payment of labor of workers in the dairy industry according to the fat content in cow's milk. (In Russian.) Sofsialist. Zhivotnovod. 14 (3):73-75. Mar.1952. 49 So71

10423 MIKHAÎLOV, G., and SIBIL', Z. A work plan for harvesting the crop and grain deliveries. (In Russian.) Kolkhoz. Proizvodstvo 12(6):13-16. June 1952. 281.8 K83

10424 MOORAHREND. Die landwirtschaftliche hausgehilfin im arbeitsrecht. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1526-1527. Sept.18,1952. 18 L2346

10425 MOTHERAL, J. R., METZLER, W. H., and DUCOFF, L. J. Sources of cotton labor, Texas High Plains. Tex. Agr. Expt. Sta. Prog. Rpt. 1491,5 p. Aug. 29,1952. 100 T31P

10426 MUNDE. Landarbeit—handarbeit? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1511,1513. Sept.18, 1952. 18 L2346

10427 NEUMEISTER, H. Der fleissige stand. Landwirtbl. Weser-Ems 99:1004. Oct.2,1952. 18 L2345
Labor shortage and rural exodus.

10428 NORDEN, F. Higher wages for the family through culture of labor demanding crops. (In Swedish.) Lantmannen 36:811-812. Oct.11,1952. 11 L234
Suggest the family do its own work rather than hire help.

10429 OBOLENSKIĬ, K. P. Organizafsiîa i oplata truda v kolkhozakh [Organization and payment of labor on collective farms]. Moskva,Moskovskiĭ Rabochiĭ,1952. 46 p. (V Pomoshch' Slushatelîam Vechernikh Partiĭnykh Shkol) 283 Ob50

10430 PASHCHENKO, IÂ. S., and TARAN, P. F. Experiment in two-shift work of milkmaids. (In Russian.) Sofsialist. Zhivotnovod. 14(4):60-64. Apr.1952. 49 So71

10431 PAVLÎUK, K. Organization of sugar beet harvesting. (In Russian.) Kolkhoz. Proizvodstvo 12(8): 21-22. Aug.1952. 281.8 K83
Work management.

10432 PERRY, G. S. I hate to see those cotton pickers go. Sat. Evening Post 225(17):40-41,50,53-54, 57. Oct.25,1952. 110 Sa8

10433 PREUSCHEN, G. Das arbeitsproblem in der hackfruchternte. Deut. Landwirt.-Gesell. Mitt. 67:609, 625-626. Aug.30,1952. 18 N39

10434 PREUSCHEN, G. Zuerst der mensch—dann die maschine. Deut. Landwirt. Presse 75:239-240. Sept.20,1952. 18 D482
Labor situation in German agriculture compared with Denmark and Sweden.

10435 REID, I. G., and BENNETT, L. G. Labour efficiency in horticulture. Fruit-Grower 2967:841-842. Nov.6,1952. 80 F941

10436 RIEDER, J. Richtigstellungen. Oberösterr. Land- u. Forstarb. 2(11/12):4-5. Feb.1952. 19 Ob25
Problems of labor and wages.

10437 RUBINSHTEÎN, S. G. Methods of drawing up the prospective plan for labor on collective farms. (In Russian.) In Kief. Académie des Sciences. Institut Ekonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p.317-327. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10438 RUMIÂNTSEVA, T. V. Payment of labor of animal industry workers by considering the quality of obtained production. (In Russian.) Sofsialist. Zhivotnovod. 14(6):72-75. June 1952. 49 So71

10439 SAKUN, I. F. Method of organizing the work on [livestock] farms of the collective farms in Zhashkov District [Kiev Region]. (In Russian.) Sofsialist. Zhivotnovod. 14(4):65-67. Apr.1952. 49 So71

10440 SULLIVAN, M. C. Beet field labor recruiting in 1952. Crystal-ized Facts Sugar Beets 6(4):24-25. Oct.1952. 66.8 C88

10441 THOMAS, H. E., and TAYLOR, F. Migrant farm labor in Colorado; a study of migratory families. New York, Natl. Child Labor Comt.,1951. 116 p. 283 T36

10442 VERBAND DER LAND- UND FORSTWIRTSCHAFTLICHEN DIENSTGEBER KÄRNTENS. Kollektivvertrag für die landarbeiter in den bäuerlichen betrieben im bundesland Kärnten, abgeschlossen zwischen dem Verband der Land- und Forstwirtschaftlichen Dienstgeber Kärntens, Klagenfurt, Miesstaler, Strasse 11/II, einerseits und dem Österreichischen Gewerkschaftsbund, gewerkschaft der arbeiter in der land- und forstwirtschaft, Landessekretariat Kärnten, Klagenfurt, Bahnhofstrasse 44/II; dem Osterreichischen Land- und Forstarbeiterbund, Landesorganisation Kärnten, Klagenfurt, Museumgasse 5/II andererseits. Kärntner Bauer 102(31,sup),8 p. Aug.15,1952. 19 K14

10443 VILLOT, J. Les salariés agricoles ont-ils une profession? Fiches Rur. 84:21-24. Oct.1952. 281.8 F44
France.

10444 VINTAÏKIN, Z. P., and POZDNIAKOVA, N. P. Labor organization for check hill potato planting. (In Russian.) Sad i Ogorod 4:57-60. Apr.1952. 80 Sa13

10445 VITES, L. S. For distinct, organized work. (In Russian.) Vinodel. i Vinograd. SSSR. 11(12):34-35. Dec.1951. 95.8 V77
Work management in vineyards.

10446 WINDISCH, K. Aus der karntner landarbeitsordnung. IV. Die lösung des arbeitsverhaltnisses. Kärntner Bauer 102:507-509. Sept.15,1952. 19 K14

10447 ZORIN, I. Feed production brigades on Ukrainian collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(6):11-12. June 1952. 281.8 K83

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

10448 ABRAMOV, D. Growth of intensiveness of collective farm production (according to the data of collective farms in Moscow Region). (In Russian.) Sotsialist. Sel'sk. Khoz. 23(8):25-35. Aug.1952. 281.8 So73

10449 ACCIÓN NACIONAL AGRARIA. Aspiraciones económicas y sociales de la agricultura nacional. Campesino [Santiago] 84(7):33,35. July 1952. 9.3 So12
Chile.

10450 AGRICULTURAL guide with industrial supplement, 1951. Calcutta, Allcock & Mohatta, 1951. 174 p. 22 Ag88

10451 AIKEN, G. D. Free economy is key to prosperity; well-ordered program for agriculture serves interests of country. Natl. Provisioner 127(16):211,214-217. Oct.18,1952. 286.85 N21

10452 AMARAL, J. B. DE S. Industrial protection and impoverishment of agricultural populations. (In Portuguese.) Soc. Rur. Bras. Rev. 32(379):22-28. Aug. 1952. 9.2 B733
Agricultural policy.

10453 AMERICAN FARM BUR. FEDERATION. Farm Bureau's platform for America. Hoosier Farmer 37(10):9,44. Oct.1952. 280.82 H76

10454 AMMUNDSEN, V. Nyere dansk landbrugslitteratur: tillige omfattende havebrug, skovbrug, mejeribrug og jagt [Recent Danish agricultural literature; as well as gardening, forestry, dairy industry and hunting]. København, Folkebibliotekernes Bibliografiske Kontor, 1952. 38 p. 241 Am6

10455 ANDERSON, Å. Investigations to serve as a guide for the rationalization of agriculture. (In Swedish.) Jordbrekon. Meddel. 14:366-369. Sept.1952. 257.3 J76
English summary, p.352.

10456 ANDREA, S. D'. The imposing panorama of agricultural events in 1951. (In Italian.) Agricoltura 1(9):49-51. Sept.1952. 16 Ag8226
On the Annuario dell'Agricoltura Italiana.

10457 UN AÑO de intensas labores agrícolas en el Estado de Mexico. Tierra [Mexico] 7:608-618. Sept. 1952. 8 T445

10458 ANTON, G. Curiosities in the agricultural world two thousand years ago: the advice of Cato. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(84): 8-9. Oct.4,1952. 281.8 Ag3

10459 BAKER, H. The program of the Pacific Northwest Farm Council. Oreg. Wheat Growers League. Proc. 24:69,71. 1951. 59.9 Ea73

10460 BASIO, E., and AQUINO, A. A bibliography of the published contributions in agriculture from the College of Agriculture from 1909 to 1950. Philippines. U. Col. Agr. & Cent. Expt. Sta. Libr. Bibliog. Contrib. 1, 403 p. Mar.1952. 241 M314

10461 BATTLES, O. V. The land of Argentina. Aberdeen-Angus J. 34(4):55,160. Nov.1952. 43.8 Ab3
Agricultural wealth.

10462 BAUMAN, R. H. The general business and farm outlook. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:105-109. Oct.1952. 281.8 Am32

10463 BELGIUM. MINISTÈRE DES COLONIES. Contribution à l'étude du problème de l'économie rurale indigène au Congo Belge; communications présentées par la délégation belge à la Conférence Africaine de l'Économic Rurale Indigène (Jos, Nigérie. - 17-24 novembre 1949). Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.),267 p. 1952. 24 K83

10464 BELGIUM. MINISTÈRE DES COLONIES. Rapport sur l'administration belge du Ruanda-Urundi pendant l'année 1951. Bruxelles,1952. 395 p. 270 B41
Includes agriculture.

10465 BENEDIKTOV, I. Development of agriculture in the Volga-Don district. (In Russian.) Kolkhoz. Proizvodstvo 12(8):3-5. Aug.1952. 281.8 K83
Policies and programs.

10466 BERGER. Bezirk Stade—struktur und produktion. Hannoversche Land- u. Forstwirt. Ztg. 105:826. Aug.16,1952. 18 H194

10467 BERRY, T. F. Your dollars in Europe. I. Natl. Grange Mon. 49(10):16-17,26,36. Oct.1952. 6 N215
Agriculture under the European Recovery Program.

10468 BERTHAULT, P. Avons-nous une politique agricole algérienne en fonction des problèmes démographiques? Rev. Agr. de l'Afrique du Nord 50:505-507. Aug.8,1952. 80 R326

10469 BETTER FARMING METHODS. Seventh annual directory issue, 1953. Better Farming Methods 24(11), 80 p. Nov.1952. 58.8 B46

10470 BILLEB, F. K. Hambre y desolación, consecuencia funesta de la desforestación desmedida. Esc. de Farm. 14(173/174):24-28. (Cont.) May/June 1952. 396.8 Es1
Agricultural policy for Guatemala.

10471 BLACK, J. D. Adjustments in New England agriculture under mobilization. Rur. Outlook Conf., U. Mass. Rpt. 1951:23-24. 281.9 R885

10472 BOGHOSSIAN. L'evolution brusquée d'une agriculture sous-développée: la Haute-Djezireh (Syrie). Acad. d'Agr. de France. Compt. Rend. 39:428-432. June 11/18,1952. 14 P215Bc

10473 BOOTH, R. C. Alternative farm program needed. Grain & Feed J. Consolidated 109(6):13,15,17. Sept.24,1952. 298.8 G762

10474 BOWLES, C. New India. Foreign Aff. 31:79-94. Oct.1952. 280.8 F76
Includes agriculture.

10475 BRAUSE, L. A. Los problemas de la producción rural en 1951. Montevideo,1951. 13 p. 281.167 B73

10476 BRIDGER, R. Crying for the moon. Estate Mag. 52:357-360. Sept.1952. 10 Es8
The food and agriculture situation with especial reference to Great Britain.

10477 BRION, A. New agricultural policy in the moors of Gascony. West. Farm Leader 17:258. Sept.19, 1952. 280.28 W52

10478 BUENO, L. DE F. Aspects of São Paulo agricultural production. (In Portuguese.) Rev. dos Mercados 3(21):23-29. May 1952. 286.8 R328

10479 BUSCH, W. Ein beitrag zur produktivitätsfrage. Agrarwirtschaft 1:247-251. Sept.1952. 281.8 Ag826
Germany.

10480 BUTLER, E. Italy is on the way back. Marshall Plan dollars have been used effectively to rebuild Italian agriculture. Prog. Farmer, Tex. Ed. 67(10):62, 67-68. Oct.1952. 6 T311

10481 CAFARO, P. Agricoltura e civilità [Agriculture and civilization]. Bari,1952. 16 p. 16 An2

10482 CALZECCHI-ONESTI, A. The difficulties of agriculture. (In Italian.) Italia Agr. 89:75-77. Feb. 1952. 16 It1

10483 CANADIAN FEDERATION OF AGRICULTURE. Position of agricultural production in Canada. World Agr. 1:11-14. Aug.1952. 6 W893

10484 CÉPÈDE, M. L'agriculture française dans l'économie européenne. Cahiers Franc. d'Inform. 213: 1-4. Oct.1,1952. 280.8 C11

10485 CHAMORRO, M. Plan de riegos e industrialización de las islas de Lanzarote y Fuerteventura. Santa Cruz de Tenerife,Mancomunidad Interinsular de Cabildos de la Provincia de Las Palmas,1951. 268 p. 126 C35
Includes agriculture.

10486 CHAPMAN, P. Resourceful Oklahoma. Prog. Farmer, Tex. Ed. 67(10):19,160. Oct.1952. 6 T311
Includes agriculture in Oklahoma.

10487 CHIODI, A. Here is Fucino, yesterday and today. (In Italian.) Agricoltura 1(8):38-42. Aug.1952. 16 Ag8226
Agricultural.

10488 CLEMENT, J. Etude relative au paysannat indigène. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):135-158. Ref. 1952. 24 K83

10489 COLÓN TORRES, R. Proyección para el uso intensivo y balanceado de los recursos agrícolas en Puerto Rico. San Juan,1951? 23 p. 281.14 C71

10490 COLORADO. STATE COLLEGE, FORT COLLINS. Colorado agricultural handbook. Fort. Collins,1952. 590 p. Ref. 30.3 C71

10491 CONFEDERAZIONE GENERALE DELL'INDUSTRIA ITALIANA. Annuario 1952 [1952 annual]. Roma,1952. 1154 p. 280.9 C7613
Includes agriculture and the food industries.

10492 CONVEGNO ECONOMICO NAZIONALE DELL'AGRICOLTURA, PARMA, 1951. Atti [Acts]. Parma,1951. 140 p. 281.9 C7674

10493 CREA, V. Agricultural problems of the day. (In Italian.) Salento Agr. 3(8):1-2. Aug.1952. 281.8 Sa3

10494 CRISTOFANI, G. The Fanfani law for mountain improvement. (In Italian.) Agr. Romagn. 17:3-4. Sept.5,1952. 16 Ag828

10495 DEGRAFF, H. What does science promise for the American diet. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:99-104. Oct.1952. 281.8 Am32

10496 DOBERT, H. Entwicklungstendenzen der deutschen, dänischen und schwedischen landwirtschaft. Diplomlandwirt 2:104,106-109. Sept./Oct.1952. 18 D62

10497 DUBOIS, G. L. D. Politique agricole en milieux ruraux au Congo Belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):29-37. 1952. 24 K83

10498 DURTSCHI, E. Das neue Landwirtschaftsgesetz. Zürich,Bollmann,1952. 30 p. 30.5 D93

10499 DUX, W., and FLEISCHHAUCK, C. Neuere dissertationen und habilitationsschriften aus dem gebiete der agrartechnik. Deut. Agrartech. 2:218. (Cont.) July 1952. 58.8 D482

10500 ERICSON, F. L. The problems with the reorganization of production. (In Swedish.) Jordbrekon. Meddel. 14:309-314. Aug.1952. 257.3 J76
English summary, p. 308.

10501 FAILLY, H. Coup d'oeil sur la production agricole en Ille-et-Vilaine. B. des Engrais 343:134-136. July/Aug.1952. 57.8 B87

10502 FEDERAL RESERVE BANK OF CHICAGO. The farm outlook for 1952. Chicago,1952. 16 p. 281.9 F313Fa

10503 FERNANDES, S. Holland in its agricultural industries. (In Portuguese.) Chacaras e Quintais 86:401. Sept.15,1952. 9.2 C34

10504 FERRERO, R. A. El problema de la tierra en el Perú. Vida Agr. [Lima] 29:527,529-530. July 1952. 9.8 V66
Agriculture.

10505 FILESI, T. La contribution de l'Italie à l'évolution de la Lybie. Rev. Colon. Belge 7:615-618. Aug.15,1952. 110 R324
Chiefly on agriculture.

10506 FISHER, V. Aiding El Salvador. Nation's Agr. 27(9):16-17. Oct.1952. 280.82 B89
Technical Assistance Program for agriculture.

10507 FITZGIBBON, R. H. Argentina after Eva Peron. Yale Rev. 42:32-45. Sept.1952. 110 Y1
Includes agriculture.

10508 FRANCE. DIRECTION DES SERV. AGRICOLES DE LA CHARENTE. L'agriculture en Charente. Angoulême,1951. 12 p. 33.17 F8494

10509 FRIETEMA, H. J. Impressions of agriculture in the Far East, especially Burma. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 43:218-221. Aug./Sept.1952. 280.8 T44

10510 FUKUSHIMA, Y. Nippon no nogyo [Agriculture in Japan]. Tokyo,Nauka Sha,1951. 160 p. 34.3 F95N

10511 GARDINER, J. G. Canadian agriculture at the half-century. In Statist. Canada; economic survey, p.28-29. Ottawa,1952. 280.13 St2

10512 GILFILLAN, R. S. Hands toil on Europe's farms. Co-op Grain Q. 10(3):41-49. Sept.1952. 280.28 C7898
Agricultural conditions.

10513 GIMENO, J. M. Orientación juridica de la política agraria. Cooperación [Madrid] 125:16-17. July 1952. 280.28 C7875

10514 GIMENO, J. M. Orientacion jurídica de la política agraria. Cooperación [Madrid] 126:7-8. Aug. 1952. 280.28 C7875

10515 GOBERT. Le Nicaragua. B. Com. Belge 66 (8):23-30. Aug.25,1952. 286.8 B41
Includes agriculture.

10516 GÓMEZ PICÓN, A. La situación del Norte de Santander. Rev. Nac. de Agr. 46(567):15-17. July 1952. 9.4 R32
Agriculture.

10517 GRAD, A. J. Land and peasant in Japan; an introductory survey. New York,Internatl. Sec. Inst. Pacific Relat.,1952. 262 p. 281.2 G752

10518 GT. BRIT. AGRICULTURAL LAND COMMISSION. Lakenheath Fen investigation report. London, H.M. Stationery Off.,1952. 12 p. 32 G7933L

10519 GT. BRIT. AGRICULTURAL LAND COMMISSION. Over and Bare Fens investigation report. London, H.M. Stationery Off.,1952. 11 p. 32 G7933O

10520 GT. BRIT. COMMONWEALTH RELATIONS OFF. Basutoland 1951. Maseru,1952. 80 p. Ref. 256.02 C71
Includes report of agriculture.

10521 GT. BRIT. OFF. OF THE HIGH COMMISSIONER FOR SOUTHERN RHODESIA. The African in Southern Rhodesia. 3. Agriculture. London,1952. 16 p. 277.8 Af8

10522 GRIST, D. H. Agricultural development in Surinam. World Crops 4:351-352. Oct.1952. 281.8 W892

10523 GROH. Es sind noch beträchtliche reserven vorhanden. Deut. Landwirt.-Gesell. Mitt. 67:638-339. Sept.6,1952. 18 N39
Agricultural productive capacity.

10524 GUSTAVSON, R. G. Winning more food from nature; tells how Nebraska is adapting agriculture to State's environment. Natl. Provisioner 127(16):245,247-248,250. Oct.18,1952. 286.85 N21

10525 HALL, H. W. Our changing agriculture. Nation's Agr. 27(10):7. Nov.1952. 280.82 B89

10526 THE HANDBOOK of Jamaica for 1952. Kingston,1952. 690 p. 254.8 J22H
Includes agriculture.

10527 HAYAKAWA, T. Agriculture and sericulture in Japan. Silk Digest 59:1-2. July 1951. 304.8 Si33

10528 HAYNES, K. H. European agriculture in 1952. Coop. Digest 14(4a):13,19. Oct.15,1952. 280.28 C7896

10529 HEDGES, T. R., and BAILEY, W. R. States productive capacity; projections of 1955 levels and patterns of California's production anticipate 650,000 additional acres in crops. II. Calif. Agr. [Calif. Sta.] 6(8):2, 15-16. Aug.1952. 100 C12Cag

10530 HEDGES, T. R., and BAILEY, W. R. State's productive capacity; shifts in land use and major crops projected for 1955 based on general cropping pattern of 1950-51. III. Calif. Agr. [Calif. Sta.] 6(9):2,13,16. Sept. 1952. 100 C12Cag

10531 HENRY, J. Les bases théoriques des essais de paysannat indigène, entrepris par l'Ineac [Institut National pour l'Étude Agronomique du Congo Belge] au Congo Belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):159-192. Ref. 1952. 24 K83
Agricultural policy.

10532 HICKS, F. W. Food production targets. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:197-199. Aug.1952. 23 T182T

10533 HILDEBRAND, N. Of tractors and tortillas. Harvester World 43(9):13-17. Sept.1952. 58.8 H26
Agriculture in El Salvador.

10534 HOLLAND, S. L. Activities of the 82nd Congress in matters pertaining to agriculture. Fla. State Hort. Soc. Proc. 64:4-13. 1951,pub.1952. 81 F66

10535 HOLYOAKE, K. J. New Zealand's future as a primary producer. New Commonwealth 24:255-256. Sept.15,1952. 280.8 C88

10536 HORLACHER, M. Möglichkeiten agrarwirtschaftlicher zusammenarbeit in Europa. Landwirt. Wchnbl. 142:1117-1118. Oct.4,1952. 18 L2338

10537 ISRAEL. OFF. OF INFORMATION. Four years of Israel's statehood; development of agriculture. New York,1952. 5 p. 34.5 Is7

10538 JACOBS, M. E. Impressions of modern Israel. Nutrition 6(3):17-19. Autumn 1952. 389.8 N959
Agricultural.

10539 JOINT COMMISSION ON RURAL RECONSTRUCTION (U. S. AND CHINA). General report (up to June 30, 1951). Tapipei,1952. 226 p. 281.9 J6623

10540 KELCH, K. Strukturänderungen in der argentinischen landwirtschaft. Inst. f. Raumforsch. Inform. 33/34:293-297. Sept.6,1952. 280.9 B6431

10541 KLATT, W. Agricultural planning in East Pakistan. Pacific Aff. 25:263-268. Sept.1952. 280.8 P11

10542 KOENIG, E. Planning in Czechoslovak agriculture; the integration of private farms in the Five Year Plan. Foreign Agr. 16:157-160. Sept.1952. 1.9 Ec7For

10543 KOFFSKY, N. M. The outlook for agriculture in 1951. Rur. Outlook Conf., U. Mass. Rpt. 1951:7-12. 281.9 R885

10544 KOROLEV, M. Stavropol'e nakanune Vsesoíuznoĭ Sel'skokhoziaĭstvennoĭ Vystavki [Stavropol Region on the eve of the All-Union Agricultural Exposition]. Stavropol',Kraĭizdat,1952. 71 p. 33.31 K846
Agriculture.

10545 KOSTŜELETŜKII, N. A. Voprosy organizafŝii i planirovaniîa prigorodnogo sel'skogo khoziaĭstva [Problems in organization and planning of suburban agriculture]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1951. 213 p. 281.179 K848

10546 KUVSHINOV, I. S. Razvitie sel'skogo khoziaĭstva Volgo-Akhtubinskoĭ zony v sviazi so stroitel'stvom Stalingradskogo gidrouzla [Development of agriculture in the Volga-Akhtuba area in connection with construction of the Stalingrad hydraulic project]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 405 p. 281.179 K964R

10547 KUZNETSOV, B. Impoverishment of peasantry and degradation of agriculture in France. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(8):51-60. Aug.1952. 281.8 So73

10548 LAMBERT, C. R. Papua and New Guinea; prospects for European agricultural development. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:97-101. July 1952. 281.9 Au73

10549 LANDAU, R. Morocco. Internatl. Conciliation 483:309-360. Sept.1952. 280.8 In83
Includes agriculture.

10550 LAZZARO, G. Crisis in agriculture. (In Italian.) Cam. di Com. Indus. e Agr. di Udine B. Uffic. (n.s.)6(6):13-14. June 1952. 287 Ud5

10551 LEWIS, B. W. British planning and nationalization. New York,Twentieth Century Fund,1952. 313 p. Ref. 280.171 L58
Contains a chapter on agriculture.

10552 LOBANOV, P. P. More extensive utilization of potentialities in agriculture. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:3-12. Mar.1952. 20 D742

10553 LONGO, M. Profili di diritto agrario italiano [Profiles of Italian agrarian law]. Torino,Giappichelli, 1952. 287 p. 30.5 L86

10554 LOPATIN, I. Growth of production—a powerful means of strengthening the collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(6):6-11. June 1952. 281.8 K83

10555 LUNINCK, FREIHERR VON. Kernprobleme des deutschen bauerntums. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1605-1606. Oct.2,1952. 18 L2346

10556 MCCORMICK, C. J. Agriculture and national defense. Rur. Outlook Conf., U. Mass. Rpt. 1951:17-22. 281.9 R885

10557 MADING, E. Zur frage der "natürlichen hilfsquellen." Inst. f. Raumforsch. Inform. 33/34:287-292. Sept.6,1952. 280.9 B6431
Includes agricultural resources.

10558 MAKAROV, N. P. Proper correlation of agriculture and animal industry under conditions of collective farms in Starobel'skii District, Voroshilovgrad Region. (In Russian.) In Kief. Académie des Sciences. Institut Ėkonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p.153-164. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10559 MANSHOLT, S. L. Toward European integration: beginnings in agriculture. Foreign Aff. 31:106-113. Oct.1952. 280.8 F76

10560 MARCE, R. Recherche d'un meilleur rendement agricole; intégration de l'agriculture et de l'élevage. Chambre d'Agr. de Casablanca. B. 23(257):3,5-7. Sept. 1952. 24 C26

10561 MARCIANO, A. Increase in agricultural production. (In Italian.) Agr. Molisana 3(9):1-2. Sept. 1952. 16 Ag8267

10562 MARTINS, R. G. Problemas rurais do Brasil [Rural problems of Brazil]. Rio de Janeiro,Livraria-Editôra da Casa do Estudante do Brasil,1951. 194 p. 281.163 M36

10563 MARUMO, S. Agricultural problems in Roumania. (In Japanese.) Nogyo Sogo Kenkyu 6(3):263-278. July 1952. 22.5 N687

10564 MARZI, G. DE. Eight hundred and fifty millions in prizes in the national competitions for agricultural productivity. (In Italian.) Agricoltura 1(8):8-10. Aug.1952. 16 Ag8226
Italy.

10565 MASEFIELD, G. B. Aspects of British Colonial agricultural law. III. World Crops 4:357-358. Oct.1952. 281.8 W892

10566 MAY, S. Costa Rica: a study in economic development. New York,Twentieth Century Fund,1952. 374 p. 280.15 M45
Includes agriculture and trade.

10567 MILAM, F. M. People and Point Four. Foreign Agr. 16:161-164. Sept.1952. 1.9 Ec7For

10568 MOMOYAMA, N. Nihon nogyo to rakuno keiei [Japan's agriculture and management of dairy farming]. Tokyo,Shiryosha,1952. 354 p. 34.3 M73

10569 MONTGOMERY, J. P. Louisiana farm production, 1909 - 1951. La. Agr. Expt. Sta. B. 467,38 p. Apr. 1952. 100 L93

10570 MOREHOUSE, D. F. The agriculture of Lewis County, New York. N. Y. Agr. Col. A. E. 843,39 p. Oct.1952. 281.9 C81

10571 MÜLLER, K. Wirtschaftsziele zwischen Weser und Elbe. Hannoversche Land- u. Forstwirt. Ztg. 105:827. Aug.16,1952. 18 H194

10572 MYERS, W. I. The farm outlook. (Sum.) Metrop. Milk Prod. News 12(9):14-15. Sept.1952. 280.28 M56

10573 NANAVATI, M. B., and ANJARIA, J. J. The Indian rural problem. Ed. 4, enl. Bombay,Indian Soc. Agr. Econ.,1951. 532 p. 281.182 N15

10574 NATIONAL FARMERS' UNION OF ENGLAND & WALES. U. K. farm situation. World Agr. 1:15. Aug.1952. 6 W893

10575 NEIGHBOURS, J. L. Agriculture—the first occupation of man. Aberdeen-Angus J. 34(3):70,158. (Cont.) Oct.1952. 43.8 Ab3
In the Bible.

10576 NEIGHBOURS, J. L. Agriculture—the first occupation of man. Aberdeen-Angus J. 34(4):70,148. Nov.1952. 43.8 Ab3
In the Bible.

10577 NEWMAN, P. C., ULLMANN, J. E., and ARIES, R. S. Technical cooperation with underdeveloped countries. New York,Chemonomics,1952. 97 p. 280 N46
Includes agricultural program.

10578 NIGERIA. WESTERN REGIONAL PRODUCTION DEVELOPMENT BOARD. Annual report for 1951-52. Lagos,1952. 24 p. 77.9 N563

10579 NOILHAN, H. La productivité n'est pas la mesure du progrès technique et agricole. Monit. du Prog. Agr. et Vitic. 5(224):1,3. Aug.24,1952. 14 M744

10580 ORBAN, M. Technical and economic aspects of Belgian agriculture. (In Dutch.) (Extr.) Zeeuwsch Landbbl. 40(2130):6. July 12,1952. 12 Z2

10581 PAGANI, A. Agriculture at the present time. (In Italian.) Conv. Econ. Naz. dell'Agr. Atti 1951:99-108. 281.9 C7674
Italy.

10582 PAKISTAN. Pakistan today and tomorrow. Karachi,Pakistan P.,1951. 230 p. 280.182 P17P
Includes agriculture.

10583 PASQUINI, B. For the mountain. (In Italian.) Cam. di Com. Indus. e Agr. Perugia. B. Mens. (n.s.)64 (6):1-2. June 1952. 287 P43
Agricultural program.

10584 PENNSYLVANIA. DEPT. OF COMMERCE. STATE PLANNING BOARD. Know your Pennsylvania; a brief survey of the resources and achievements of one American State. Rev. Ed. Pa. State Planning Bd. Pa. Planning 11(2),80 p. Sept.1952. 280.7 P383
Includes agriculture.

10585 PESATA, H. Die europäische landwirtschaft am scheidewege. Burgenländische Bauernbündler 5(18): 3-4. Sept.25,1952. 19 B91

10586 PFLAUMBAUM, W. Als landwirt auf einer reise durch die USA. III. Hannoversche Land- u. Forstwirt. Ztg. 105:792. Aug.9,1952. 18 H194

10587 PFLIMLIN, P. L'agriculture française au carrefour. Rev. de Lèg. Agr. 3:97-104. July/Aug. 1952. 281.8 R325

10588 PICCAROLO, G. The new law for the mountain. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:357-358. Sept.1952. 16 C72

10589 PIETRA, I. I have visited Yugoslavia. (In Italian.) Agricoltura 1(8):43-47. Aug.1952. 16 Ag8226
Agriculture.

10590 PLANJE, J. P. Gedenkboek ter gelegenheid van het vijftig-jarig bestaan van de Limburgse Land- en Tuinbouwbond, 1901-1951 [Memorial on the occasion of the fiftieth anniversary of the Limburg Agricultural and Horticultural Society 1901-1951]. Echt,Valkenburg,1951. 338 p. 12 L622
Agriculture.

10591 POND, G. Farm production pattern for 1955. Co-op Grain Q. 10(3):93-94. Sept.1952. 280.28 C7898

10592 PROBLEM study report No. 6, Federal farm policy. Farm Mangt. 1(6):65-80. Sept./Oct.1952. 281.8 F2225

10593 PURDUE UNIVERSITY. AGRICULTURAL ECONOMICS DEPT. 1953 outlook for Hoosier agriculture. Hoosier Farmer 37(10):12-13,26. Oct.1952. 280.82 H76

10594 ROBERT, J. L. Monographie agricole du district du Lac Léopold. II. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:617-696. Ref. Sept.1952. 24 K83

10595 RURAL OUTLOOK CONFERENCE, UNIVERSITY OF MASSACHUSETTS. Report,1951. Amherst, 1951. 47 p. 281.9 R885

10596 SAAR, J. Agrarpolitische streiflichter. Österr. Milchwirt. 7:267-269. (Cont.) Sept.21,1952. 44.8 Os72
Switzerland.

10597 SÄKK, K. Agriculture in the Netherlands. (In Swedish.) Jordbrekon. Meddel. 14:362-365. Sept.1952. 257.3 J76
English summary, p.352.

10598 SAKURAI, T. Nogyo mondai nyumon [Guide to agricultural problems]. Tokyo,Chuo Koron-sha,1951. 175 p. 30.3 Sa2

10599 SALLER, M. Salzburger bauern in Dänemark. Beilage 28(35):1-2. In Salzburger Bauer 7(35). Aug.28, 1952. 19 Sa3
Observations on agriculture.

10600 SARAMES, G. N. Good crops may halt Argentine slump. Foreign Com. Wk. 48(20):18,26. Nov. 17,1952. 157.54 F763
Agricultural situation.

10601 SCHLINGEMANN. Impressions of a trip to the United States. IV-V, VII, IX. (In Dutch.) Zeeuwsch Landbbl. 40(2129):2; (2130):2; (2134):2; (2135):2. July 5-12,Aug.9-16,1952. 12 Z2
Agricultural.

10602 SCHMITZ, A. Essai sur la délimitation des régions naturelles dans le Haut-Katanga. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:697-734. Ref. Sept.1952. 24 K83

10603 SCHÖNFELD. Einiges über die landwirtschaft des Kreises Mannheim. Bad. Landwirt. Wchnbl. 119(36): VIII-IX. Sept.7,1952. 18 B142

10604 SCHULZ, G. Erzeugungsmöglichkeiten der westdeutschen landwirtschaft. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 6,68 p. Ref. 1951. 18 G312S

10605 SCHWEIZERISCHE KONSERVATIVE VOLKSPARTEI. Im dienste der bauernsame, by M. Rosenberg. Bern,1951. 15 p. 281.178 Sch9

10606 SCOTT, I. O., JR. A comparison of production during the depressions of 1873 and 1929. Amer. Econ. Rev. 42:569-576. Sept.1952. 280.8 Am32
Includes agricultural production.

10607 SELLY, C. More red meat and how to get it. London,1952. 15 p. (Tribune Pamphlet) 281.171 Se4
Agricultural policy for Great Britain.

10608 SERGEEV, P. N. Novo-Annenskiĭ raĭon [Novo-Annenskiĭ District]. Ed. 2, rev. and enl. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 390 p. (Agroėkonomicheskie Monografii) 33.31 Se6
Agricultural.

10609 SHAFTER, R. A helping hand; CARE's down to earth grass roots activities help European farmers to help European farmers to help themselves. Natl. Grange Mon. 49(10):32-33,47. Oct.1952. 6 N215

10610 SKULLERUD, K. Agriculture and forests. (In Norwegian.) Norsk Landbr. 18:367-368. Oct.10,1952. 11 N8122

10611 SNEEP, P. M. Trip to America. 2. (In Dutch.) Zeeuwsch Landbbl. 40(2130):14. July 12,1952. 12 Z2
Observations on agriculture.

10612 SOCIEDAD DE AGRICULTORES DE COLOMBIA. Los problemas agropecuarios de Antioquia. Soc. Antioqueña de Agr. B. Agr. 388:3554-3557. Aug.1952. 9.4 So1

10613 SOLOV'EV, A. V. Development of agriculture in the forest-steppe area of Ukrainian SSR. (In Russian.) In Kief. Académie des Sciences. Institut Ékonomiki. Voprosy perspektivnogo planirovaniĭa v kolkhozakh, p. 192-206. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54
Policy.

10614 SOMERS, J. R. Food targets can and will be achieved. Agr. Gaz. N. S. Wales 63:397-400. Aug.1952. 23 N472

10615 STEWART, H. L. Farm output can be increased. Certif. Milk 27(10):14. Oct.1952. 44.8 C33

10616 STORM-PEINE. Gegenwartsfragen der agrarpolitik—preisprobleme. Landwirtbl. Weser-Ems 99: 944-945. Sept.18,1952. 18 L2345

10617 STRONG, T. H. Scope for increasing Australia's rural production. Adelaide Chamber Com. Trade Digest 3(4):14-15,17-19,21. Aug.1952. 287 Ad3T

10618 TALLARICO, G. Biological value of mountain areas. (In Italian.) Gior. di Agr. 62:269. Sept.7,1952. 16 It1G
Mountain agriculture in Italy.

10619 TANGANYIKA. DEPT. OF AGRICULTURE. Annual report 1950. Dar es Salaam,1952. 262 p. 24 T15

10620 TAPP, J. W. Changing agriculture. Banking 45(5):41-43. Nov.1952. 284.8 Am3

10621 TAYLOR, C. R. H. A Pacific bibliography; printed matter relating to the native peoples of Polynesia, Melanesia and Micronesia. Wellington,1951. 492 p. (Polynesian Society, Wellington, New Zealand. Memoir 24) 242.91 T21
Includes food and agriculture.

10622 TONDEUR, G. Une expèrience d'économie rurale coopérative au Congo Belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):219-242. 1952. 24 K83

10623 TRON. L'agriculture dans le Caidat de Bizerte. B. Écon. et Social de la Tunisie 68:34-50. Sept.1952. 280.8 B874

10624 TURNER, SIR J. Agriculture joins Britain's key industries. Anglo-Amer. News 19:405-407,424. Oct. 1952. 287 An42

10625 UNION OF SOUTH AFRICA. DEPT. OF NATIVE AFFAIRS. Report for the years 1949-50. Pretoria,1952. 66 p. 280.9 So842
Includes agriculture.

10626 UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. EAST ASIA SCIENCE COOPERATION OFF. List of scientific and technical journals published in Southeast Asia (Philippines, Indonesia, Malaya, Thailand, Indo-China, Hong Kong). Rev. ed. Manila,1951. 32 p. 241.9 Un323
Includes agricultural journals.

10627 UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. EAST ASIA SCIENCE COOPERATION OFF. List of scientific and technical journals published in Southeast Asia. Supplement to the 1st rev. ed. (China). Manila,1951. 28 p. 241.9 Un323
Agricultural periodicals included.

10628 U. S. DEPT. OF AGRICULTURE. The agricultural production job. Washington,1952. 15 p. 1.90 A2Ag84

10629 U. S. DEPT. OF AGRICULTURE. How the farm program works. Washington,1952. 17 p. 1.90 A2H83

10630 U. S. PRODUCTION AND MARKETING ADMIN. The national farm program: what it aims at and how it works. Washington,1952. 7 p. 1.956 A2N218

10631 U. S. PRODUCTION AND MARKETING ADMIN. NEVADA STATE PMA COMMITTEE. Annual report of 1951 agricultural conservation and related programs in Nevada. Reno,1952? 35 p. 1.42 W52An

10632 VSESOÍŪZNAÍÀ KOMMUNISTICHESKAÍÀ PARTIÍÀ (BOL'SHEVIKOV) TSENTRAL'NYÍ KOMITET. Instructions of the 19th Congress of the Party on the Fifth Five-Year Plan for the development of U.S.S.R. during the years 1951-1955. (In Russian.) Bol'shevik 29(16):3-20. Aug.1952. 280.8 B633
Includes agricultural policy.

10633 WIKKRAMATILEKE, R. Ella village—an example of rural settlement and agricultural trends in highland Ceylon. Econ. Geog. 28:355-363. Oct.1952. 278.8 Ec7

10634 WILSON, A. S. B. Britain's wasting asset. Farmers Wk. [London] 37(15):71. Oct.10,1952. 10 F2226
Land resources.

10635 WOHRMANN, O. Das landwirtschaftsrecht der Britischen Zone mit ausführlicher erläuterung der höfeordnung vom 24. april 1947. Elbe,Meiszners,1951. 452 p. 30.5 W82

10636 WOLF, G. Nur ein beispiel von vielen; Chile erwägt revision seiner agrarpolitik. Übersicht 3(9):32-34. Sept.1952. 18 Ub3

10637 ZANETTI, J. C. Sine agricultura nihil. Rev. SanCor 11(113):11. June/July 1952. 280.28 R322
Agriculture in Argentina.

10638 ZANNONI, I. Observations on seasonal products. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:321-323. Aug.1952. 16 C72

10639 ZEHNER, L. A. Important things ahead for Massachusetts farmers. (Sum.) Rur. Outlook Conf., U. Mass. Rpt. 1951:24-26. 281.9 R885

10640 ZUBRIN, E. Mexico planning radical change in farm program. West. Farm Leader 17:278-279. Oct.3,1951. 280.28 W52

10641 ZVÍAGINTSEV, ÍA. I., and others. Sal'skiĭ raĭon [Salsk District]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 310 p. (Agroékonomicheskie Monografii) 33.31 Z82
P. I. Rudakov, V. A. Midtsev, and V. S. Lermontov, joint authors.
Agricultural.

Subsidies

10642 COMING demise of a ministry? Economist 165:142-143. Oct.18,1952. 286.8 Ec7
Food subsidies and rationing under British Ministry of Food.

10643 GALLWEY, G. B. The factory executive and the stabilisation plan. Austral. Dairy Rev. 20(9):10-11. Sept.1,1952. 44.8 Au73
Dairy industry subsidy.

10644 GREIDANUS, G. Les subsides alimentaires en Grande-Bretaigne. (In Dutch.) Econ.-Statis. Ber. 37: 814-816. Oct.22,1952. 280.8 Ec722
French summary, p. 803.

10645 ROLPH, E. R. A theory of excise subsidies. Amer. Econ. Rev. 42:515-527. Sept.1952. 280.8 Am32

10646 SWEDEN. PRODUCENTBIDRAGSUTREDNINGEN. Betänkande angaende producent- och kontantbidrag till vissa innehavare av mindre jordbruk [Memorandum on production and cash contribution to owners of smaller farms]. Stockholm,Beckman,1951. 120 p. (Sweden. Statens Offentliga Utredningar, 1951. 39) 281.173 Sw33

10647 TESCHE, W. C. Final 1951 crop payments made to locals; larger new crop in prospect; 20 per cent surplus recommended. Diamond Walnut News 34(5): 1-2. Sept.1952. 94.68 D34

COST AND STANDARD OF LIVING

10648 BELCHER, J. C., and SHARP, E. F. A short scale for measuring farm family level of living: a modification of Sewell's Socio-Economic Scale. Okla. Agr. Expt. Sta. Tech. B. T-46,22 p. Sept.1952. 100 Ok4

10649 FRIBAULT, J. Besoins et équipement collectif des familles rurales. Fiches Rur. 83:33-40 Aug./Sept. 1952. 281.8 F44
France.

10650 GOUVERNEUR, F. Détermination des besoins de la famille rurale. Fiches Rur. 83:5-16. Aug./Sept. 1952. 281.8 F44
Standard of living in France.

10651 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. How to make a spending plan; suggestions for single Government women in Washington, D. C. Washington,1952. 20 p. 1.982 A2H835

10652 U. S. FARMERS HOME ADMIN. A planning guide for family living. Rev. Washington?1952. 2 p. 1.949 P694

10653 WEISS, G. S. Family living outlook. Rur. Outlook Conf., U. Mass. Rpt. 1951:13-16. 281.9 R885

FARM MANAGEMENT AND LAND ECONOMICS

10654 ABBOTT, B. T. The story of an American farm. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:121-123. Oct.1952. 281.8 Am32
Management of an Illinois farm.

10655 ABROSIMOV, M. Teachings of Marx and Lenin on advantages of large-scale production in agriculture. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(8):36-50. Aug.1952. 281.8 So7J

10656 ABROSIMOV, M. A., MART'IANOV, F. M., and PEROV, S. V., eds. Spravochnaíà kniga direktora sovkhoza [Reference book for the director of a state farm]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 902 p. 281.179 Ab82Sp

10657 ALLEN, E. C. A small church's farm. Town & Country Church 81:8. Sept.1952. 281.28 T66

10658 ANDALO, G. The technical and economic organization of farms. (In Italian.) Conv. Econ. Naz. dell'Agr. Atti 1951:73-92. 281.9 C7674
Italy.

10659 AREF'EV, T. I. Problems in drawing up the prospective plan of machine-tractor stations and complex mechanization of [sugar] beet growing collective farms. (In Russian.) In Kief. Académie des Sciences. Institut Ékonomiki. Voprosy perspektivnogo planirovaniía v kolkhozakh, p.302-316. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10660 BACHTEL, V. Good livestock including Hampshires and approved farming practices make developing useful citizens a pleasant and satisfying task for the Marsh Foundation. Amer. Hampshire Herdsman 27(10): 24,27,29,33. Oct.1952. 46.8 Am33

10661 BERGER, F. Der häckselhof—eine aussichtsreiche wirtschaftsform. Salzburger Bauer 7(35):4-5. Aug.28,1952. 19 Sa3

10662 BERZHATYI, I. Piatiletnii plan ukrupnennogo kolkhoza imeni Stalina (Petropavlovskii Raion, Severo-Kazakhstanskoi Oblasti) [Five-year plan of the Stalin Collective Farm (Petropavlovsk District, Northern Kazakhstan Region)]. Alma-Ata,Kazakhskoe Gos. Izd-vo, 1951. 42 p. (Bibliotechka Kolkhoznika) 281.179 B46

10663 BEVIN, R. H. Arable farming in New Zealand. Wellington,Tech. Corresp. Sch., New Zeal. Educ. Dept., 1951. 103 p. 36 B462

10664 BLASCH, J. Zur frage des häckselhofes. Österr. Landtech. 5:163-166. June 1952. 58.8 L236

10665 BLOHM, G. Die organisation des landwirtschaftlichen betriebes unter dem einfluss der sie bestimmenden faktoren. Deut. Akad. der Wiss. Kl. f. Landwirt. Wiss. Sitzber. 2,18 p. 1951. 18 D4823

10666 BOERENDONK. La lutte pour le maintien, l'amélioration et l'extension du territoire agricole aux Pays-Bas. Soc. Cent. d'Agr. de Belg. J. (n.s.)1(6),24 p. 1951/52. 13 So1

10667 BRAGINSKIĬ, B. Certain questions of economy for cotton growing collective farms. (In Russian.) Khlopkovodstvo 7:16-26. July 1952. 72.8 K522

10668 BURTIN, J. Effort personnel et entreprise familiale. Fiches Rur. 84:9-12. Oct.1952. 281.8 F44
France.

10669 BUTLER, E. Germany grows big crops on small farms. Prog. Farmer, Tex. Ed. 67(11):60,62-63. Nov.1952. 6 T311

10670 CASH, J. G. How a family farm develops. Hoard's Dairyman 97:883. Nov.10,1952. 44.8 H65

10671 CASHMORE, W. H. Problems of the small farm. Nature [London] 170:740-741. Nov.1,1952. 472 N21

10672 CAVINA, R. Farm management. (In Portuguese.) Coop. Cent. das Prod. de Leite B. da C. C. P. L. 5:247,256. Aug.1952. 44.8 B634
Brazil.

10673 CLAWSON, M. The role of public domain in the economy of the West. Calif. Cattleman, Sept.1952:12-14. 43.8 C12

10674 DENUX, P. Un exemple d'organisation avicole. Tarn-et-Garonne Agr. 15:146-147. Sept.1952. 14 T17
Farm management.

10675 DEVEAU, B. W. A manual of general agriculture. n.p.,1952. 65 p. 31.3 D49
Farming methods and management.

10676 DINESMAN, G. ĬU. The state farms of the Main Administration of Vegetable Fats and Oils. (In Russian.) Masl.-Zhir. Promysh. 17(4):7. Apr.1952. 307.8 M37

10677 DOBRILOVSKIĬ, ĬU. D. General problems of methods in drawing up the prospective plans of collective farms in Ukrainian SSR. (In Russian.) In Kief. Académie des Sciences. Institut Ėkonomiki. Voprosy perspektivnogo planirovaniĭa v kolkhozakh, p.44-57. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10678 DOWELL, J. M. Farm property management. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:110-113. Oct.1952. 281.8 Am32

10679 DRAKE, E. M. Community improvement through sound farm planning. Agr. Educ. Mag. 25:85,94. Oct.1952. 275.8 Ag8

10680 DREUZY, R. DE. Une initiative hardie et fructueuse. Potasse 26:139-142. Sept.1952. 57.8 P84
Farming in northern France, Belgium and the Netherlands.

10681 DU FAUR, R. T., and SCOTT, R. H. Fat-stock production survey of Wairoa County. New Zeal. J. Agr. 85:241,243,245,247,249,251-252. Sept.15,1952. 23 N48J
Farm management.

10682 EMPSON, J. Enterprise on the North Downs. Farmer & Stock-Breeder 66(3285):60-61. Oct.7/8,1952. 10 F228

10683 ERICKSON, F. The small farmer of the Everglades. Fla. State Hort. Soc. Proc. 64:99-100. 1951,pub. 1952. 81 F66

10684 ERYKALIN, A. Inspection commission of a collective farm at work. (In Russian.) Kolkhoz. Proizvodstvo 12(6):53-54. June 1952. 281.8 K83
Supervision of collective farm management.

10685 FISHER, J. Agricultural science for secondary and high schools. Cape Town,Juta,1951? 490 p. 30.2 F532

10686 FISHWICK, V. C. Dairy farming, theory and practice. Ed. 2, rev. by K. N. Russell. London,Lockwood,1952. 245 p. (Agricultural and Horticultural Series) 44 F53

10687 FURUTANI, Y., and MIYAZAKI, T. On the usual cultivation system at Nishigoshi-mura, Kumamoto Prefecture. I. (In Japanese.) Kyushu Noji Shikinjo 8: 133-134. Oct.1951. 107.6 K996

10688 THE FUTURE and grasslands farming. Certif. Milk 27(10):8-9. Oct.1952. 44.8 C33

10689 GÈZE, B. Problèmes agricoles du Moyen-Orient. Potasse 26:143-148. Sept.1952. 57.8 P84

10690 GOLUB, G. Stalin Collective Farm [in Libknekht District, Stavropol Territory] is fulfilling its obligations according to the contract with the machine-tractor station. (In Russian.) Kolkhoz. Proizvodstvo 12(8):15-16. Aug.1952. 281.8 K83

10691 GORSHKOV, M. Some problems in increasing the economic effectiveness of the work of machine-tractor stations. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(7):12-23. July 1952. 281.8 So73

10692 GRUBER, A. Drei ernten in dreihundert jahren. Bauer 5(30):2-4. Sept.6,1952. 19 B32
History of an Austrian farm.

10693 GUITHER, H. Operate your farm like a business and you're bound to produce more with less work. Farm Prog. 8(3):3. 1952? 281.8 F2224

10694 HAUER, E. Wegweiser durch die bäuerliche betriebswirtschaft. Graz,Stocker,1951. 141 p. 281.177 H29

10695 HOWELL, H. B. Guideposts for a successful farm business. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:35-37. Sept.1952. 275.28 Io94

10696 HUDSON, S. C., and CARSON, J. G. The sheep enterprise on Ontario farms. Econ. Annal. 22:101-108. Oct.1952. 281.8 Ec72
Management and costs and returns.

10697 HUGHES, J. D. The possibilities of dairy and cattle trading on small holding. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 29(3):8-10. Aug. 1952. 24 T684
Farm management.

10698 ĬASHVILI, N. S. On prospective planning of collective farms according to the pattern of Georgian SSR. (In Russian.) In Kief. Académie des Sciences. Institut Ėkonomiki. Voprosy perspektivnogo planirovaniĭa v kolkhozakh, p.132-143. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10699 IDDINGS, E. G. You wouldn't like farming in the Far East. Idaho Farmer 79:721,728. Sept.18,1952. 6 G282

10700 IDDINGS, E. G. You wouldn't like farming in the Far East. Oreg. Farmer 75:761,786. Oct.2,1952. 6 Or32

10701 JAPAN BROADCASTING ASSOCIATION. Watakushi no saibai gijyutsu [My farming technique]. Tokyo, Rokusan Shoin,1952. 143 p. 34.3 J277

10702 JAPAN. DEPT. OF AGRICULTURE AND FORESTRY. Saishin nogyo hyakka sodan [Guide to modern agriculture]. Tokyo,Kyodo Shuppansha,1951. 182 p. 34.3 J272Sa

10703 JASKA, E. The results of collectivization of Estonian agriculture. Land Econ. 28:212-217. Aug.1952. 282.8 J82

10704 JOURNÉE, F. La ferme demonstrative de la 27e circonscription agronomique. Rev. de l'Agr. 5:911-926. Sept.1952. 13 R322
English summary.
Belgium.

10705 KACHURO, I. M. Organizing the work on drawing up the prospective plans for consolidated collective farms in White Russian SSR. (In Russian.) In Kief. Académie des Sciences. Institut Ekonomiki. Voprosy perspektivnogo planirovaniĭa v kolkhozakh, p.144-152. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10706 KAIBARA, M. Atarashii nogyo keiei to noka seikatsu [New farming management and farmers' life]. Osaka,Fuminsha,1951. 128 p. 281.183 K12

10707 KAO, R. C. W. Theory of dynamic planning of farm production. Urbana,1952. 6 p. 281 K14
Abstract of thesis - University of Illinois.

10708 KARAVAEV, A. A. Problems in organizational and economic strengthening of collective farms and prospective planning. (In Russian.) In Kief. Académie des Sciences. Institut Ėkonomiki. Voprosy perspektivnogo planirovaniĭa v kolkhozakh, p.7-22. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10709 KAZANSKIĬ, V. A. Voprosy pravil'nogo sochetaniĭa polevodstvo i zhivotnovodstva v kolkhozakh [Problems in proper organization of field crop production and animal industry on collective farms]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 158 p. 281.179 K18V

10710 KELLY, I., and PALERM, A. The Tajin Totonac. 1. History, subsistence, shelter and technology. Smithsn. Inst. Inst. Social Anthrop. P. 13,369 p. 1952. 446.9 Sm6
Includes farming.

10711 KIEF. ACADÉMIE DES SCIENCES. INSTITUT ĖKONOMIKI. Voprosy perspektivnogo planirovaniĭa v kolkhozakh; sbornik materialov mezhrespublikanskoĭ konferėntsii, sostoĭavsheĭsia v g. Kieve 12-15 iiùniĭa 1951 g [Problems in prospective planning on collective farms; collection of data of the Inter-Republican Conference which took place in Kiev, June 12-15, 1951]. Moskva, Gos. Izd-vo Selkhoz Lit-ry,1952. 381 p. 281.9 K54

10712 KIKIN, B. I. Leading practice in dispatching at machine-tractor stations. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:47-51. Mar. 1952. 20 D742
Work management.

10713 KITA, M. Economical analysis of agricultural managements. (In Japanese.) Kyushu Noji Shikinjo 8: 123-124. Oct.1951. 107.6 K996

10714 KOBZISTYĬ, ÍÅ. A. Prospects of developing plant industry branches on collective farms in the area of the central steppe of Ukrainian SSR. (In Russian.) In Kief. Académie des Sciences. Institut Ékonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p. 165-179. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10715 KOLLER, H. Berufliche tüchtigkeit, ein wertvolles gut! Grüne 80:1104-1105. Oct.3,1952. 17 Sch9

10716 KONÎUKOV, I. A. Kolkhoz "Pamîat' Il'icha"; opyt ėkonomicheskogo issledovaniîa [Pamîat' Il'icha collective farm; economic study]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 222 p. 281.179 K8392

10717 KOROTUN, M. F. Large-scale diversified economy—basis for the development of our collective farm. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:55-59. Mar.1952. 20 D742

10718 KUBO, S. Korei chi nogyo keiei [Agricultural management in the frigid and high altitude areas]. Tokyo, Yoken-do,1951. 245 p. 281 K952

10719 KULAGIN, M. To observe strictly the Code of the Agricultural Artel; to protect public property. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(7):1-11. July 1952. 281.8 So73

10720 LIEBSTER. Die grosse bedeutung des deutschen gartenbaues. Landwirtbl. Weser-Ems 99:879-880. Sept.4,1952. 18 L2345

10721 LOVERING, F. W. Vast dairy enterprise adjoins 'Sixty Acres of Heaven.' Fla. Grower 60(11): 23,41. Nov.1952. 80 F6622

10722 MACKLIN, J. J. Bankers learn why some farms pay and some don't. Banking 45(4):68. Oct.1952. 284.8 Am3
Aspects of farm management.

10723 MAEMITO, G. Experiments on the double cropping in paddy field from the standpoint of farm management. (In Japanese.) Kyushu Noji Shikinjo 8: 125-126. Oct.1951. 107.6 K996

10724 MAKSIMOV, I. Communists of Aksaĭskaîa Machine-Tractor Station in the effort for high yields. (In Russian.) Mashinno-Traktornaîa Sta. 12(8):4-6. Aug. 1952. 58.8 M11

10725 MÅNSSON, E. Many equipment owners in Östergötland. (In Swedish.) Lantmannen 36:747-749. Sept.20,1952. 11 L234
Chiefly on machine tractor stations.

10726 MIDDLETON, J. Should farm boys stay home? Hoard's Dairyman 97:785. Sept.25,1952. 44.8 H65

10727 MIRA, E. Qué tal andan sus conocimientos en agricultura? Cooperación [Madrid] 126:12-13. Aug. 1952. 280.28 C7875

10728 MURRAY, H. Irish farming revives; riding on a crest of prosperity the Irish farmer is modernizing his practices with Government help. Family Herald & Wk. Star 83(36):5,12. Sept.4,1952. 7 F21

10729 NAGAI, I. Nogyo soten [Agricultural manual]. Tokyo,Asakura Shoten,1951. 701 p. 34.3 N13

10730 NEW ZEALAND. BOARD OF NATIVE AFFAIRS. East Coast native trust lands. Balance-sheet and statement of accounts, 1st July, 1950, to 30th June, 1951. Wellington,1951. 100 p. 271.2 N483

10731 NEW ZEALAND. DEPT. OF LANDS AND SURVEY. Surveys (annual report on). Wellington,1952. 14 p. 271.2 L23

10732 NICCOLI, V., and FANTI, A. Prontuario dell'agricoltore e del tecnico agrario [The farmer's and agronomist's handbook]. Ed. 18, rev. and enl. by A. Borella. Milano,Hoepli,1952. 816 p. (Manuali Hoepli) 281 N513P

10733 NORDENBORG, M. O. Lilla jordbruks läran [The little agricultural manual]. Ed. 2, rev. Stockholm, LTs Förlag,1951. 451 p. 33.11 N752

10734 NOTTINGHAM. UNIVERSITY. SCHOOL OF AGRICULTURE. Farm guide, 1952, University Farm, Sutton Bonington; Manor Farm Kingston-on-Soar. Sutton Bonington,1952. 33 p. 103 N84F

10735 O'CONNOR, R. How to make your farm pay. Agr. Ireland 9:204-205,207-208. Sept.1952. 10.5 Ag8

10736 OOSTERBAAN, W. The farm holding. (In Dutch.) Friesch Landbbl. 49:13. Sept.24,1952. 12 F91

10737 PATON, W. N. Popularity of various types of farming (by regions). New Zeal. J. Agr. 85:234-235. Sept.15,1952. 23 N48J

10738 PATON, W. N. Types of farming practised in New Zealand. New Zeal. J. Agr. 85:159-160. Aug.15, 1952. 23 N48J

10739 PERSHIN, P. N. Drawing up prospective plans of collective farms in connection with investigating the economy and organization of production. (In Russian.) In Kief. Académie des Sciences. Institut Ékonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p.23-43. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10740 PFEFFER, K. H. Bergbauernsorgen in Grossbritannien. Übersicht 3(9):29-32. Sept.1952. 18 Ub3

10741 PHILBY, H. S. B. Arabian highlands. Ithaca,N.Y.,Cornell U. Press,1952. 771 p. 127 P53
Published for the Middle East Institute.
Includes descriptions of farming.

10742 PLATZER, F. The "partner and owner" conveyance: co-operative organization between property, enterprise, management and labour in some cereal livestock farms of Sicily. (In Italian.) Riv. di Econ. Agr. 7:229-243. June 1952. 281.8 R52
English summary.

10743 PLESHKOV, P. P., and POLETAEV, N. N. Kolkhoz imeni Makarova [Makarov Collective Farm]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 227 p. 281.179 P71

10744 PORTEOUS, C. Farming journey. Countryman [Burford] 46:76-81. Autumn 1952. 281.28 C832
Observations on farming.

10745 PORTER, W. H. A striking example of co-operative farming at Matador; eighteen farmer-veterans own everything in common on 9,000-acre farm. Farmer's Advocate & Canad. Countryman 87(3432):7,40-41. Oct.11, 1952. 7 F22

10746 POULAIN, A. Les sociétés d'exploitation agricole. (Abs.) Acad. d'Agr. de France. Compt. Rend. 39: 286-289. Apr.2/23,1952. 14 P215Bc

10747 PUTNAM, R. M., and NEWCOMBE, F. H. Balanced farming—the ultimate objective. Agr. Inst. Rev. 7(5):11-13. Sept.1952. 7 Ag8

10748 RADANOVIĆ, R. On the question of profit in production plans of peasant working cooperatives for 1952. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):23-24. July 1952. 21.5 V87

10749 RAO, G. Grow your own food; Ravalgaon's unique experiment in co-operative farming and self help. Indian Farming (n.s.)2(5):12-13,24. Aug.1952. 22 In283

10750 RENIUS, W. Betriebswirtschaftliche voraussetzungen für einen erfolgreichen grassamenbau. Deut. Landwirt.-Gesell. Mitt. 67:580-582. Aug.16,1952. 18 N39

10751 RETSON, G. C. Commercial poultry farming in Nova Scotia. Ottawa,Dept. Agr., Mktg. Serv. Econ. Div.,1952. 49 p. 281.347 R31

10752 RETSON, G. C., and HEIGHTON, V. A. The strawberry enterprise on Nova Scotia farms. Econ. Annal. 22:116-119. Oct.1952. 281.8 Ec72
Management and costs and returns.

10753 RIDDER, J. Driftsøkonomiske undersøgelser indenfor landbruget i U.S.A. Rapport fra en studierejse i U.S.A. i 1950 [Farm management investigations in U.S.A. in 1950. Report of a study trip in U.S.A. in 1950]. København,Udenrigsministerium,1951. 34 p. (Teknisk Bistand under Marshallplanen) 281.12 R43

10754 RYSER, W. Bergbäuerliche berufsprüfungen. Grüne 80:1054-1057. Sept.19,1952. 17 Sch9
Switzerland.

10755 SERPIERI, A. On farm management. (In Italian.) Riso 1(7):3. Aug.1952. 59.8 R49
Italy.

10756 SHAW, E. W. Green pastures. Land 11:162-164. Summer 1952. 279.8 L22
Description of a farm in Washington.

10757 SHCHERBINA, A. R. From the practices in prospective planning (Chkalov Collective Farm, Novomoskovskiĭ District, Dnepropetrovsk Region). (In Russian.) In Kief. Académie des Sciences. Institut Ékonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p. 180-191. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10758 SHEVCHUK, I. Thrift and economy in [agricultural] artel management. (In Russian.) Kolkhoz. Proizvodstvo 12(6):20-21. June 1952. 281.8 K83

10759 SISK, G. N. Agricultural diversification in the Alabama Black Belt. Agr. Hist. 26:42-45. Ref. Apr. 1952. 30\98 Ag8

10760 SMITH, G. F. Visit to Italy. Gt. Brit. Min. Agr. Agriculture 59:273-279. Sept.1952. 10 G79J
Farming in Italy.

10761 STARCS, P. La administración de la agricultura por el Estado y la institución de asociaciones campesinas dirigidas por su conducto (kolchoses). Cooperación [Madrid] 126:17-19. (Cont.) Aug.1952. 280.28 C7875

10762 STOPFORD, R. R. Michaelmas entry. Estate Mag. 52:375-377. Sept.1952. 10 Es8
A farming policy for a new occupier of the land.

10763 STRACHAN, J. Stock and corn on an East Riding farm. Gt. Brit. Min. Agr. Agriculture 59:269-272. Sept.1952. 10 G79J
Farm management.

10764 SVENSKA LANTMANNASKOLORNAS LÄRAREFORENING. Jordbrukslära för ungdomsskolor, jordbrukskurser och självstudium [Farm text book for folk schools, agricultural courses and self study]. Ed. 7. Stockholm,Lantbruksförbundets Tidskriftsaktiebolag, 1951. 661 p. 30.2 Sv2

10765 TIMASHEVA, M. F. Practices of Shishovskaîa MTS in Voronezh Region. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:51-54. Mar. 1952. 20 D742

10766 TIUTIN, V. A. On prospective planning of collective farm production (applicable to the suburban area). (In Russian.) In Kief. Académie des Sciences. Institut Ekonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p.255-276. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 281.9 K54

10767 TOFANI, M. The present trends in the types of farm enterprise in Italy. (In Italian.) Riv. di Econ. Agr. 7:163-178. June 1952. 281.8 R52
English summary.

10768 TREVOR, H. W. Farming in the Rainy River district of Ontario. Econ. Annal. 22:108-111. Oct.1952. 281.8 Ec72

10769 TRIMBLE, G. R., JR. Modern methods, key to agriculture in tropical regions. Crops & Soils 5:16-19. Oct.1952. 6 W55

10770 TRUDOLIUBOV, B. A leading farm. (In Russian.) Miasnaîa Indus. SSSR. 22(6):63-65. Nov./Dec. 1951. 50.8 M58
Molotov State Farm in Novo-Torzhok District, Kalinin Region.

10771 TSYNKOV, M. IU. Prospects for developing the multi-branch economy of Zhivotnovod Kolkhoz [in Vologda Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(6):67-72. June 1952. 49 So71

10772 TSYNKOV, M. IU. Ways of proper coordination of branches on an enlarged collective farm (According to the practices of Zavety Il'icha Kolkhoz [in Prisheksninskiĭ District, Vologda Region]). (In Russian.) Sovet. Zootekh. 7(4):10-20. Apr.1952. 49 So822

10773 U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production practices; labor, power and materials, by operation. Section 2. Corn Belt and Lake States. U. S. Bur. Agr. Econ. F.M.92,234 p. June 1952. 1.941 L6F22
Statistics.

10774 WAIBEL, B. Betriebswirtschaftliche probleme in weinbau Südbadens. Bauern-Ztg. 5(34):17. Aug.22, 1952. 18 B324

10775 WAKII, M. Hatarakikata no kagaku [Science of working ways]. Tokyo,Tennensha,1951. 156 p. (Noka Shinsho (New Book of Farming)) 34.3 W13

10776 WALDHÄUSL, F. Landwirtschaftliches betriebswesen in Amerika. Bodenkultur 6:113-120. 1952. 19 B635

10777 WHITE, J. M. The farmer's handbook. Ed. 2, rev. by N. W. Sellers. Norman,U. Okla.Press,1952. 462 p. 30.3 W58

10778 YOHE, R. S. Farming in Norway. Farmer [St. Paul] Gen. Ed. 70(19):12,46. Oct.4,1952. 6 F2211

10779 YOHE, R. S. Farming in Norway. West. Farm Life 54(20):6,13. Oct.15,1952. 6 R153

10780 YOHE, R. S. Farming near the North Pole. Prairie Farmer, Gen. Ed. 124(18):7,70. Sept.20,1952. 6 P883
In the Provinces of Troms and Finnmark, Norway.

10781 YOHE, R. S. Haymaking time in Norway. Prairie Farmer, Gen. Ed. 124(17):5,24-25. Sept.6,1952. 6 P883
Farming in Norway.

10782 YOHE, R. S. Norwegian farmers homestead above the Arctic Circle. Farmer-Stockman 55(10):12,23. Oct.1952. 6 Ok45

10783 ZAL'TSMAN, L. M. Problems in methods of inter-regional and inter-district distribution and prospective planning of collective farm production. (In Russian.) In Kief. Académie des Sciences. Institut Ékonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p.58-98. Moskva,Gos. Izd-vo Selkhoz Lit-ry, 1952. 281.9 K54

10784 ZUBOV, N. Advantages of an enlarged collective farm in operation. (In Russian.) Kolkhoz. Proizvodstvo 12(8):6-8. Aug.1952. 281.8 K83

10785 ZUFFA, A. In the Castiadas colony agricultural labor becomes an instrument of redemption. (In Italian.) Agricoltura 1(8):59-61. Aug.1952. 16 Ag8226

Bookkeeping and Records

10786 BORODAEVSKIĬ, V. Departmental cost accounting on the poultry raising farms. (In Russian.) Miasnaîa Indus. SSSR. 23(4):33-36. July/Aug.1952. 50.8 M58

10787 CAVINA, R. Accounting for improved farm management. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C. C. P. L. 5:207. July 1952. 44.8 B634

10788 DAVYDOV, K. Calculating the [harvested] crop by brigades and squads. (In Russian.) Kolkhoz. Proizvodstvo 12(6):55-56. June 1952. 281.8 K83

10789 DEXTER, K. The use of farm records for better management decisions. Loughborough,Eng.,Dept. Agr. Econ. U. Nottingham School Agr.,1952. 13 p. 281.171 D52

10790 HOLMSTRÖM, S., and KNUTSSON, G. Allmänna omkostnader i jordbruksbokföringen [General expenses in accounting]. Jordbr. Utredningsinst. Meddel. 4,22 p. 1952. 11 St63M
English summary.

10791 MALIAROV, IA. Accounting and checking the presence of livestock on collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(9):47-48. Sept.1952. 281.8 K83

10792 MAWBY, R. G., and HILL, E. B. Are farm account cooperators better than average farmers? Mich. Agr. Expt. Sta. Q. B. 35:130-133. Aug.1952. 100 M58S
Records of farmers participating in the Michigan Farm Account Project compared with other farmers.

10793 ROMANCHUK, I. Practices of an instructor-bookkeeper. (In Russian.) Kolkhoz. Proizvodstvo 12(8): 52-53. Aug.1952. 281.8 K83
Training collective farm bookkeepers.

10794 UGGLAS, C. AF. Look out for the basic records. (In Swedish.) Lantmannen 39:773-774. Sept.27, 1952. 11 L234
Farm records.

10795 ZAPISNAIA knizhka brigadira kolkhoza [Record book of collective farm brigadier]. Moskva, 1952. 263 p. 30.6 Z1

10796 ZAPISNAIA knizhka predsedatelîa kolkhoza [Record book of collective farm manager]. Edited by B. Kobrin. Moskva,1952. 414 p. 30.6 Z12

Costs and Returns

10797 ABRAMOV, K. Decreasing the net cost of tractor work at the cotton growing machine-tractor stations. (In Russian.) Khlopkovodstvo 5:7-13. May 1952. 72.8 K522

10798 BERNARDES, B. C. Estudo dos fatôres que concorrerão para a melhoria e barateamento do custo de produção do arroz no Rio Grande do Sul [Study of factors involved in the improvement and lowering of cost of production of rice in Rio Grande do Sul]. Pôrto Alegre,1951. 29 p. 281.359 B452

10799 BLOOMFIELD, H. Do broilers fit your farm? Country Gent. 122(10):28-29,74. Oct.1952. 6 C833
Includes cost and income data.

10800 BONSMA, F. N., and JOUBERT, D. M. Factors influencing the cost of production of baconers and porkers. Union So. Africa. Dept. Agr. B. 322,53 p. Ref. 1952. 24 So84P

10801 BORGEDAL, P. Calculation of production costs in agriculture on the basis of bookkeeping results. A new method. (In Norwegian.) Nord. Lantbrekon. Tidskr 2(3):7-13. 1952. 281.8 N75

10802 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 Shasta dairy management study, by A. D. Reed and F. F. Smith. Berkeley?1952? 6 p. 275.29 C12En
Costs and returns.

10803 CARD, L. E., and SCOTT, H. M. Maximizing returns in broiler growing. (Abs.) Poultry Sci. 31:910. Sept.1952. 47.8 Am33P
Cost analysis.

10804 CORN has five markets but can you afford to grow it? Farm Mangt. 1(6):19-26. Sept./Oct.1952. 281.8 F2225
Costs.

10805 LE COÛT de production du lait aux Pays-Bas. Agriculture [Paris] 16:183-186. July/Aug.1952. 14 Ag823

10806 DAVIS, L. H. Canning peas help Utah growers build farm profits. Canner 115(16):18-19. Oct.18,1952. 286.83 C16
Production costs.

10807 DE WAAL, P. E., and BEHRMANN, H. I. Income and costs in sugar-cane growing. Farming So. Africa 27:403-407. Aug.1952. 24 So842

10808 EARLE, W., and CARPENTER, K. S. Costs and returns from producing hatching eggs. (Abs.) Poultry Sci. 31:913-914. Sept.1952. 47.8 Am33P

10809 EPP, A. W. Does livestock really pay? Nebr. Farmer 94(18):26-27,50-51. Sept.20,1952. 6 N27

10810 FERRIN, L. Étude du prix de revient de la viande bovine chez un cultivateur et chez un pâturier. Rev. de l'Agr. 5:960-972. Sept.1952. 13 R322
English summary.
Belgium.

10811 KETTERING, D. G. Dairy costs and returns. Mich. Milk Messenger 35(5):3,7. Sept.1952. 44.8 M582

10812 LAVANCHY, J. A. Le prix de revient du lait. Genève,Editions Radar,1952. 282 p. 284.344 L38

10813 LEME, H. DE A. How to determine the suitability of acquiring a tractor for the farm. (In Portuguese.) Granja [Porto Alegre] 8(63):20,22-23. June 1952. 9.2 G76
Study of farm costs.

10814 MCKAY, D. H. Land development; problem of evaluating alternative projects. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:91-93. July 1952. 281.9 Au73
Irrigation and farming returns in Australia.

10815 MAEMITO, G. On the income and outcome in summer crops during 1949-50, in the upland areas of Miyazaki Prefecture. (In Japanese.) Kyushu Nojo Shikinjo 8:127-128. Oct.1951. 107.6 K996

10816 MARTINET, J. Les bases rationnelles de l'établissement du prix de revient du lait. Opinion Écon. et Financ. 5(11):78-79. Mar.1952. 44 Op3
France.

10817 MOSHER, M. L., and WEST, V. I. Why some farms earn so much more than others. Ill. Agr. Expt. Sta. B. 558,40 p. Aug.1952. 100 IL6S

10818 MURRE, M. "Corn culture" manual. II. (In Dutch.) Zeeuwsch Landbbl. 40(2139):4. Sept.13,1952. 12 Z2
Harvesting and drying costs.

10819 NOTTINGHAM. UNIVERSITY COLLEGE. SCHOOL OF AGRICULTURE. DEPT. OF AGRICULTURAL ECONOMICS. Potato growing in Kesteven. Some costs and returns, 1950. Sutton Bonington,Loughborough, 1951. 18 p. 75.9 N84

10820 PETTIT, G. H. N. Farm costing and grassland investigation: an economic and financial analysis 1950 and comparison with 1949. London,1952. 15 p. 10 Im74F

10821 SEGRE, G. Cost of production of Nebbiolo grapes, and Nebbiolo di Barolo and Barolo wines. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:317-321. Aug.1952. 16 C72

10822 SHINER, E. Bigger beef profits come from fertilizer bags in Coalgate tests. Farmer-Stockman 55(9):24-25,29. Sept.1952. 6 Ok45
Costs and returns from fertilized pastures.

10823 TAYLOR, C. C. Cabbage: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 52,23 p. June 1952. 100 G29M

10824 TAYLOR, C. C. Cucumbers: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 51,17 p. June 1952. 100 G29M

10825 TAYLOR, C. C. Onions: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 55,18 p. Aug.1952. 100 G29M

10826 WINTER, T. Fodder crop costs on North Country farms, 1951. King's Col. Farm Econ. Br. Rpt. G. 41,14 p. Aug.1952. 281.9 K61

10827 WYNNE, A. J. Milk production costs in Yorkshire, winter 1951-52. Leeds U. Farmers' Rpt. 109, 9 p. Aug.1952. 281.9 L51

Land Settlement and Colonization

10828 BROCHU, R. La colonisation, gage de la survivance de notre agriculture. Ferme 14:16,39. (Cont.) Sept.1952. 7 F38
Quebec.

10829 BROCHU, R. La colonisation, gage de survivance de notre agriculture. Ferme 13(12):18-21. (Cont.) Aug.1952. 7 F38
Quebec.

10830 BRUENS, F. Note sur les parcellements en territoire d'Aketi. Cour. Agr. 17(15):1-2. July 23,1952. 24 C83

10831 CARACAS. INSTITUTO AGRARIO NACIONAL. Turén. Caracas,1952. 24 p. 282.2 C17
Settlement.

10832 FISK, B. Dujaila: Iraq's pilot project for land settlement. Econ. Geog. 28:343-354. Oct.1952. 278.8 Ec7

10833 GARNEAU, E. Il y en a à Ste-Cécile de Belcourt. Ferme 14:17,49. Sept.1952. 7 F38
Land settlement.

10834 HAVEMAN, B. W. Impressions and encounters in New Zealand. (In Dutch.) Landbode 6(29): 11. July 17,1952. 12 L234
Settlement.

10835 HILL, G. W., and BELTRÁN, G. Land settlement in Venezuela: with especial reference to the Turen project. Rur. Sociol. 17:229-236. Sept.1952. 281.28 R88

10836 ITALY. MINISTERO DEGLI AFFARI ESTERI. DIREZIONE GENERALE DELL'EMIGRAZIONE. Indagini preliminari sul problema della emigrazione agricola nell' America Latina (Brasile, Uruguay, Perù, Bolivia, Ecuador, Venezuela, Messico). vol. I. Brasile [Preliminary observations on the problem of agricultural emigration to Latin America (Brazil, Uruguay, Peru, Bolivia, Ecuador, Venezuela, Mexico). vol. I. Brazil]. Firenze, 1951. 478 p. 282.2 It1

10837 KIMMICH, O. Die soforthilfeabgabe bei veräusserung und verpachtung gemischter betriebe nach dem flüchtlingssiedlungsgesetz. Recht der Landwirt. 4:169-170. July 1952. 30.58 R24
Germany.

10838 MALENGREAU, G. Les lotissements agricoles au Congo Belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):193-218. 1952. 24 K83

10839 MARTÍNEZ LOVO, S. Una institución que es promesa de bienestar para el campesino. Salvador. Sec. de Inform. Inform. de El Salvador 2(22/23):20. June 14,1952. 280.9 Sa3
Instituto de Colonización Rural in El Salvador.

10840 MATHESON, J. Selected bibliography on colonization and land settlement in Canada. Rev. Geog. 9/10(25/30):207-210. 1949/1950,pub.1952. 331.8 R32

10841 MENEZES, B. DE. Colonization and producer cooperatives. (In Portuguese.) Coop [Bahia] 11 (102/103):11-12. May/June 1952. 280.28 C7842

10842 MOSER, A. Die kolonisationskraft der Berner. Grüne 80:1057-1061. Sept.19,1952. 17 Sch9

10843 PACHECO E CHAVES, J. Immigration for agriculture. (In Portuguese.) São Paulo. Dept. de Imigr. e Colon. B. 6:81-90. Dec.1951. 282.28 Sa6

10844 PIHKALA, K. U. Cost and financing of the Finnish colonization program. (In Swedish.) Nord. Lantbrekon. Tidskr. 2(3):1-6. 1952. 281.8 N75

10845 ROBERTSON, J. G. Outward bound. 3. Canada. Farmer Wk. [London] 37(12):75. Sept.19,1952. 10 F2226
On emigration to Commonwealth countries with on-the-spot conditions given.

10846 THAKUR, H. N. Village planning for resettlement of displaced persons. In Damodar Valley Corporation. Symposium on soil conservation, p.42. Hazaribagh, 1951. 56.7 D18

10847 THIRY, N. Note sur la conduite d'un paysannat, Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec. no.):243-262. 1952. 24 K83

10848 VALLE, C. D. Italian studies on agricultural emigration to Brazil. (In Italian.) Soc. Geog. Ital. B. (ser.8)5:292-316. Ref. May/Aug.1952. 507 So15B
English summary.

Land Tenure

10849 ANDRAULT, M. Comment s'opère la transformation du bail à métayage en bail à ferme. Rev. de Lég. Agr. 4:176-177. Sept./Oct.1952. 281.8 R325

10850 AZZALI, F. The reform of the Delta does not forget man. (In Italian.) Agricoltura 1(9):52-54. Sept. 1952. 16 Ag8226

10851 BANDINI, M. Land reform in Italy. (In Italian.) Moneta e Credito 5:65-83. First Q.1952. 284.8 M744

10852 BARCK, L. Die sicherstellung der kulturdenkmäler und versorgungslasten in der bodenreform der Westzonen. Recht der Landwirt. 4:29-31. Feb.1952. 30.58 R24

10853 BOERLIN, H. E. Pasture leasing terms and practices. West. Livestock J. 30(48):42,116-117,121. Aug.15,1952. 6 F2278

10854 BOURDILLAT, J. Les principaux arrêts de la cour de cassation en matière de bail rural. France. Min. de l'Agr. Rev. Études & Monog. 73/74:161-168. Aug./Sept.1952. 281.8 F84

10855 BROSE, J. Das erweiterte hoffolgezeugnis. Recht der Landwirt. 4:170-171. July 1952. 30.58 R24
Germany.

10856 BURRELL, SIR M. Give the landlord his rightful place! Country Life [London] 112:920-921. Sept.26,1952. 80 C83

10857 BUSCH, W. Sinn und aufgaben der pacht. Agrarwirtschaft 1:233. Sept.1952. 281.8 Ag826
Germany.

10858 CAINE, L. The World Land Tenure Conference was last year, but land tenure work continues. Wis. Country Mag. 46:5,14. Oct.1952. 276.8 St9

10859 CALAN, L. DE. Le prix du blé pour les fermages 1952-53. Agr. Prat. 116:438-439. Sept.1952. 14 J82
France.

10860 CANGIULLI, A. Livestock raising within the framework of the agarian reform in the South. (In Italian.) Latte 26:375-376,379. Aug.1952. 44.8 L35

10861 CHANG, C. M. The agrarian reform in China. (In Italian.) Italia Agr. 89:90. Feb.1952. 16 It1

10862 CUNNINGHAM, J. B. Farm lease. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:119-120. Oct.1952. 281.8 Am32
Share farming.

10863 DENMAN, D. R. Measures of compensation. Land Agents' Soc. J. 51:382-384. Sept.1952. 282.9 L22
For farm improvements made by tenant.

10864 EINARSSON, P. Icelandic legislation on the right of inheritance and inheritance of leases. (In Danish.) Nord. Lantbrekon. Tidskr. 2(3):14-19. 1952. 281.8 N75

10865 ELKIN, A. D. Accredited titles. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:169-170. Oct. 1952. 281.8 Am32

10866 EYRE, J. D. Elements of instability in the current Japanese land tenure system. Land Econ. 28: 193-202. Aug.1952. 282.8 J82

10867 FAVARA, E. Significance of legislation on agricultural contracts. (In Italian.) Banca e Cred. Agr. 1:406-410. 1951,pub.1952. 284.28 B223
Italy.

10868 FERRERO, R. El problema de la tierra en el Perú. Soc. Nac. Agr. B. 4(178):2-3. June 30,1952. 9.8 So13
Peru.

10869 FISCHER, and WOHRMANN. Die beanstandung von landpachtverträgen. (Extr.) Recht der Landwirt. 4:197-203. Aug.1952. 30.58 R24
Germany.

10870 FUKAZAWA, H. Land reform in Burma. (In Japanese.) Nogyo Sogo Kenkyu 6(3):251-262. July 1952. 22.5 N687

10871 GARCIA ISIDRO, M. Arrendamientos rústicos: el cobro de rentas en 1952. Agricultura [Madrid] 21:449-452. Aug.1952. 15 Ag84

10872 GERMANY. STATISTISCHES BUNDESAMT. Grössen- und besitzverhältnisse der land- und forstwirtschaftlichen betriebe; ergebnisse der landwirtschaftlichen betriebszählung vom 22. mai 1949 und der zählung der landwirtschaftlichen kleinbetriebe vom 13. september 1950. Germany. Statis. Bundesamt. Statis. der Bundesrep. Deut. 21(2),279 p. Sept.1952. 265 G318

10873 GOSSELIN, A. Farm ownership in Quebec. Econ. Annal. 22:112-115. Oct.1952. 281.8 Ec72

10874 GT. BRIT. AGRICULTURAL LAND COMMISSION. The adjustment of farm boundaries and the amalgamation of farms in the Yetminster area of Dorset. London,H. M. Stationery Off.,1952. 43 p. 282.171 G796

10875 HAGENGUTH, H. Zum neuen landpachtrecht. Agrarwirtschaft 1:234-238. Sept.1952. 281.8 Ag826
Germany.

10876 HENRICI. Das neue landpachtgesetz. Hannoversche Land- u. Forstwirt. Ztg. 105:944. (Cont.) Sept.20,1952. 18 H194

10877 HOLMES, H. A., and HOLMES, L. T. Mexico, land of great experiments. Foreign Policy Assoc. Headline Ser. 94,62 p. July/Aug.1952. 280.9 F 76H
Includes land tenure problem.

10878 HUGHES, G. R. Saite demotic land leases. Oriental Inst. U. Chicago. Studies in Ancient Oriental Civilization 28,111 p. 1952. 282.192 H87

10879 ITALY. MINISTERO DELL' AGRICOLTURA E DELLE FORESTE. ENTE MAREMMA. Land reform in the Maremma; fundamental facts. Rome,Grosseto,1952. 20 p. 282.176 It14

10880 KALLBRUNNER, H. Die grundstückzusammenlegung, eine unaufschiebbare boden-reform. Prakt. Landwirt. 6:107-108. Sept.1952. 19 P88
Austria.

10881 KEHRBERG, E. W., and HEADY, E. O. Leases can set the pattern. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 55:39-40. Sept.1952. 275.28 Io94

10882 KOEBEL. Die berufung des anerben im württembergischen anerbengesetz. Recht der Landwirt. 4:119-120. May 1952. 30.58 R24

10883 KURTH, K. O., and HEYN, G. The agricultural significance of German boundary problems: a reply. Land Econ. 28:264-270. Aug.1952. 282.8 J82
Rejoinder by P. M. Raup, p. 270-272.

10884 LERA DE ISLA, A. La concentración parcelaria. Agricultura [Madrid] 21:501-503. Sept.1952. 15 Ag84
Spain.

10885 LLOVET, E. Sobre los problemas mundiales de la tenencia de tierras en la conferencia de Wisconsin. Asoc. Rur. del Uruguay. Rev. 79(8):16-28. Aug.1952. 9.9 As5

10886 MALACROIX, A. La reforma agraria y el renacer de Italia. Cuba Econ. y Financ. 27(318):47. Sept.1952. 286.8 C892

10887 MONTAGNE, R. La compétence des tribunaux paritaires. Prog. Agr. et Vitic. 138:156-157. (Cont.) Sept.7/14,1952. 14 P94

10888 MONTAGNE, R. Les preneurs étrangers exclus du statut relèvent-ils de la compétence paritaire. Prog. Agr. et Vitic. 138:236-237. Oct.19/26,1952. 14 P94
Farm leases in France.

10889 MÜHLBAUER. Verlängerung von pachtvertragen nach dem Landpachtgesetz (LPG). Landwirt. Wchnbl. 142:1089-1090. Sept.27,1952. 18 L2338
Germany.

10890 MÜLLER, G. Bevölkerungsausgleich und umsiedlung. Inst. f. Raumforsch. Inform. 35/36:299-308. Sept.20,1952. 280.9 B6431

10891 NEW SOUTH WALES. LAWS, STATUTES, ETC. The Torrens system in New South Wales, being a commentary on the Real property act, 1900, as amended and as affected by various other statutes, by J. Baalman. Sydney,Law Book Australasia,1951. 487 p. 282.1992 N474

10892 NONHOFF. Die behandlung der alten landpachtverträge nach dem landpachtgesetz. Recht der Landwirt. 4:225-228. Sept.1952. 30.58 R24
Germany.

10893 OWEN, W. F. Land, the farmer, and society. Agr. Gaz. N. S. Wales 63:415-418. Aug.1952. 23 N472
Includes consideration of the 1941 Agricultural Holdings Act of New South Wales.

10894 PAN AMERICAN UNION. COLUMBUS MEMORIAL LIBRARY. Selected list of references on land tenure in Latin America. Washington,1951. 16 p. 150.91 Se4

10895 PARSONS, K. H. Land, liberty and communism. Sowest. Social Sci. Q. 33:114-125. Sept.1952. 280.8 So82
Land ownership.

10896 PERDISA, L. Considerations on the expropriation law. (In Italian.) Riso 1(7):4-6. Aug.1952. 59.8 R49
Italy.

10897 PETRUSHOV, A. Nature of agrarian reforms in the European countries of people's democracy. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(7):52-63. July 1952. 281.8 So73

10898 PROTECT your heirs from your errors. Farm Mangt. 1(6):8-15. Sept./Oct.1952. 281.8 F2225
Farm inheritance.

10899 QUE PEUT donner la réforme agraire en Égypte? Économie 8(365):10-11. Sept.18,1952. 280.8 Ec726

10900 RAMAN, K. S. V. Fragmentation of holdings in the Damodar Valley. In Damodar Valley Corporation. Symposium on soil conservation, p.40. Hazaribagh,1951. 56.7 D18

10901 RAWLINGS, I. Tenants better off than land owners in Britian. Kans. Stockman 38:9,67. Nov.1952. 49 K134

10902 REINEKE. Die anrechnung von "vorausempfängen" bei der auseinandersetzung der miterben nach massgabe der höfeordnung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1691-1692. Oct.16,1952. 18 L2346

10903 REINEKE. Rechtsfragen zu §14 BoRG. [Bodenreformgesetz] NRW. Recht der Landwirt. 4:228-232. Sept.1952. 30.58 R24

10904 REINEKE. Die rechtsmittelfähigkeit des vorbescheides im BoRG [Bodenreformgesetz] für NRW. Recht der Landwirt. 4:8-10. Jan.1952. 30.58 R24

10905 RIEDEL, F. Uber den beweis altrechtlicher grunddienstbarkeiten. Recht der Landwirt. 4:32-33. Feb.1952. 30.58 R24

10906 RIEDEL, F. Verbot der reformatio in peius? Recht der Landwirt. 4:143-145. Ref. June 1952. 30.58 R24
Germany.

10907 ROCKFORD MAP PUBLISHERS, ROCKFORD, ILL. Farm plat book and business guide, Edwards County, Illinois. Rockford,1951. 26 p. 226.23 R59E

10908 ROW, T. V. S. Law and land acquisition and compensation in India and Pakistan. Ed. 3. Allahabad, Law Book,1951. 711 p. 282 R77

10909 SACAY, F. M., and AGUSTIN, E. P. Equity of the share lease used among rice farmers in Calamba, Laguna. Philippine Agr. 35:109-114. Aug.1951. 25 P542

10910 SARGENT, F. O. Fragmentation of French land: its nature, extent, and causes. Land Econ. 28:218-229. Aug.1952. 282.8 J82

10911 SAVATIER, R. A propos du régime particulier des successions rurales. Rev. de Lég. Agr. 3: 105-107. July/Aug.1952. 281.8 R325

10912 SCHULTE. Gegenseitige ansprüche der miterben im zuweisungsverfahren. Recht der Landwirt. 4:145-146. June 1952. 30.58 R24
Germany.

10913 SCHULTE. Gemeinschaftseigentum in der bodenreform Nordrhein-Westfalens. Recht der Landwirt. 4:36-37. Feb.1952. 30.58 R24

10914 SCHULTE. Pachtschutz beim heuerlingsvertrag. Recht der Landwirt. 4:257-259. Oct.1952. 30.58 R24
Germany.

10915 SCHWARTZ, S. M. No hunting without permission. Hoard's Dairyman 97:756. Sept.25,1952. 44.8 H65

10916 SEEHUSEN. Kann die ausübung des siedlungsrechtlichen vorkaufsrechts im verwaltungsstreitverfahren angefochten werden? Recht der Landwirt. 4: 118-119. May 1952. 30.58 R24
Germany.

10917 SICHTERMANN, S. Verpächterpfandrechte bei pacht mehrerer grundstücke. Recht der Landwirt. 4:203-204. Aug.1952. 30.58 R24
Germany.

10918 SNYDERMAN, G. S. Concepts of land ownership among the Iroquois and their neighbors. Smithsn. Inst. Bur. Amer. Ethnol. B. 149:13-34. Ref. 1951. 500 Sm63B

10919 SORBI, U. Land fragmentation. (In Italian.) Italia Agr. 89:109-110. Feb.1952. 16 It1

10920 STEUER, R. Das neue flurbereinigungsrecht nach dem gesetzentwurf der Bundesregierung. Recht der Landwirt. 4:85-90. Apr.1952. 30.58 R24
Germany.

10921 TAGGART, L. Broadcast explains handling of problem. Amer. Cattle Prod. 34(5):14. Oct.1952. 49 P94
Oil and livestock in Wyoming.

10922 TARVER, J. D. Intra-family farm succession practices. Rur. Sociol. 17:266-271. Sept.1952. 281.28 R88

10923 THINEY, L. H. Contrats spéciaux bannie d'herbages et vigneronnage. Rev. de Lég. Agr. 3:108-109. July/Aug.1952. 281.8 R325

10924 TOBIN, J. E. Land tenure in the Marshall Islands. Natl. Res. Council. Pacific Sci. Bd. Atoll Res. B. 11,36 p. Sept.1,1952. 500 N215

10925 TONKES, J. H. Can the cost of farm buildings be satisfactorily defrayed through the amount of rental? (In Dutch.) Landbouwberichten 7:159. Sept.11,1952. 12 L236

10926 U. S. ECONOMIC COOPERATION ADMIN. SPECIAL ECONOMIC AND TECHNICAL MISSION TO THE PHILIPPINES. Philippine land tenure reform; analysis and recommendations, by R. S. Hardie. Manila, 1951. various pagings. 173.2 Ec72Ph

10927 VIRGINIA. ADVISORY LEGISLATIVE COUNCIL. Land grants in Virginia; report to the Governor and the General Assembly of Virginia. Richmond,Commonwealth Va. Div. Purchase & Printing,1951. 9 p. 282.089 V81

10928 VORNEFELD, H. Rückwirkung gesetzlicher verfügungsbeschränkungen? Recht der Landwirt. 4:6-8. Jan.1952. 30.58 R24
German land reform legislation.

10929 WALLACE, J. J. Working with tenants. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:117-118. Oct.1952. 281.8 Am32

10930 WASCHNIG, H. Die jagd- und wildschadensregelung nach dem kärntner jagdgesetze. Kärntner Bauer 102:505-507. Sept.15,1952. 19 K14
Hunting rights.

10931 WULFF. Zur rechtsnatur des übergabevertrages. Recht der Landwirt. 4:113-118. May 1952. 30.58 R24
Germany.

10932 WURZ, K. Die pachtzinse 1945 bis 1952; getreidepreisstützung und pachtzins. Landwirtschaft 17/18:254-256. Sept.1952. 19 L235
Austria.

10933 ZANNONI, I. The reform of agricultural contracts under its technical, economic, and social aspect. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:362-364. Sept.1952. 16 C72

Land Utilization

10934 AMERICAN SOCIETY OF PHOTOGRAMMETRY. Panel on accelerated surveying and mapping program, 18th annual meeting. Photogram. Engin. 18:627-648. Sept.1952. 325.28 P56
Includes papers on public land and soil surveys by M. Clawson and R. W. Simonson, respectively.

10935 BELLOMO, F. Notes on cadastral practice. II. (In Italian.) Salento Agr. 3(9):5. Sept.1952. 281.8 Sa3

10936 BOLE, N. C. Land utilization survey and other resource surveys in the Damodar Valley. In Damodar Valley Corporatinn. Symposium on soil conservation, p.10-12. Hazaribagh,1951. 56.7 D18

10937 CHARAN, A. B. Acquisition of lands for development projects. In Damodar Valley Corporation. Symposium on soil conservation, p.41. Hazaribagh,1951. 56.7 D18

10938 CHATTERJI, S. P. Land utilisation survey in the lower Damodar-Hooghly-Rupnarayan Basin, West Bengal. In Damodar Valley Corporation. Symposium on soil conservation, p.9-10. Hazaribagh,1951. 56.7 D18

10939 HALE, J. S. Toward better land surveys. Surveying & Mapping 12:228-234. July/Sept.1952. 325.8 Am3

10940 HIGGS, C. This good land is going back to scrub. Dairy Farmer [Ipswich] 25(10):27,41. Oct.1952. 44.8 D1414
New Forest land utilization.

10941 ISAACSON, M. R. Land crisis begins to be felt in U.S. Sowest. Crop & Stock 6(9):12-13,104. Sept. 1952. 6 So8942
Land classification.

10942 JAMES, P. E. A program for an exploratory survey of the Americas. Rev. Geog. 9/10(25/30):61-79. 1949/1950,pub.1952. 331.8 R32
Includes land use mapping.

10943 LAMB, P., EVANS, M., and FLETCHER, A. The law and practice of town and country planning. London,Staples Press,1951. 899 p. 98.5 L16

10944 LENDL, E. Die jüngsten wandlungen der österreichischen kulturlandschaft. Ber. z. Deut. Landesk 10:361-375. Nov.1951. 18 B454
Includes changes in land use and settlement.

10945 LIPMAN, V. D. Town and country; the study of service centres and their areas of influence. Pub. Admin. 30:203-214. Autumn 1952. 280.8 P963
Great Britain.

10946 POULSON, E. N. and SWARNER, L. R. Land classification and farm development. 9. Reclam. Era 38:242-244. Oct.1952. 156.84 R24
On reclamation projects.

10947 RICHARDSON, A. H. Conservation authorities in southern Ontario. Canad. Geog. J. 45:87-103. Sept. 1952. 470 C162
Includes land use.

10948 SCOTT, R. H., and DU FAUR, R. T. Farming potential as guide to land planning, Pauatahanui-Judgeford-Horokiwi survey. New Zeal. J. Agr. 85:144-145, 147,149-150. Aug.15,1952. 23 N48J

10949 STEELE, W. E. A "land use" programme. Sylva [Toronto] 8(4):10-13. July/Aug.1952. 99.8 Sy5

10950 UNGER, J. L. Land use and agronomic mapping in Indonesia. Tectona 42:17-60. Ref. Aug.1952. 99.8 B65

10951 WOOD, W. E. The idle acres of "no-man's land." 1-3. Farmers Wk. [London] 37(12):62-68; (13): 70-71,73; (14):67-69. Sept.19-Oct.3,1952. 10 F2226
Survey of common land areas in Britain and their development.

10952 ZETTERBERG, O. Utilization of the arable soil during 1952. (In Swedish.) Lantmannen 36:671-672. Aug.23,1952. 11 L234

Land Values and Valuation

10953 AMERICAN SOCIETY OF FARM MANAGERS AND RURAL APPRAISERS. RANGE APPRAISAL COMMISSION. Ranch appraisals using the American rural appraisal system. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:136-148. Oct.1952. 281.8 Am32

10954 BETTERMANN, K. A. Zur festsetzung des höchstzulässigen gebots nach § 1 Gebote VO. und § 33 LVO. Recht der Landwirt. 4:204-205. Aug.1952. 30.58 R24
Land in Germany.

10955 DUMANT, H. La propriété foncière en 1951. France. Min. de l'Agr. Rev. Études & Monog. 73/74: 177-180. Aug./Sept.1952. 281.8 F84
Values.

10956 ENGLEHORN, V. A. Preview 1952 appraisal. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:149-152. Oct.1952. 281.8 Am32

10957 JONG, S. H. DE. The Swiss farm land appraisal system. (In Dutch.) Econ.-Statis. Ber. 37:692-694. Sept.10,1952. 280.8 Ec722

10958 KRUSE, F. V. Ejendomsretten [The ownership right], v. 2. Ed. 3. København,Gad,1951. 1293 p. 282.173 K94
Includes sale and purchase of farm land.

10959 MOTHERAL, J. R., and ADKINS, W. G. Texas farm and ranch land prices, 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1479,8 p. July 31,1952. 100 T31P

10960 MUNTINGA, J. E. Price control of agricultural land. (In Dutch.) Nieuwe Veldbode 19:8-10. Ref. Oct.2,1952. 12 V542N
Netherlands.

10961 NESIUS, E. J. The worth of an acre of pasture. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:153-156. Oct.1952. 281.8 Am32
Appraisal.

10962 PANATTONI, A. The fluctuations of the land market and lease in 1949 and 1950. (In Italian.) Riv. di Econ. Agr. 7:258-280. June 1952. 281.8 R52
English summary.
Italy.

10963 PRIMM, H. M. A suggestion for determining cash rental on Illinois farms. Amer. Soc. Farm Mgr. and Rur. Appraisers J. 16:114-116. Oct.1952. 281.8 Am32

POPULATION

10964 DOMINICAN REPUBLIC. OFICINA NACIONAL DEL CENSO. Tercer censo nacional de población, 1950. Vol. I, Común de San Cristóbal. Ciudad Trujillo,1952. 170 p. 254.8 D7163T

10965 HOYOS SÁINZ, L. DE. La riqueza agrícola provincial y la densidad de población. Agricultura [Madrid] 21:445-448. Aug.1952. 15 Ag84

10966 KOTTAL, A. Die landflucht und ihre ursachen. Oberösterr. Land- u. Forstarb. 2(11/12):3. Feb.1952. 19 Ob25

10967 PORTUGAL. INSTITUTO NACIONAL DE ESTATÍSTICA. Anuário demográfico, 1951; annuaire démographique. Lisboa,1952. 391 p. 264 P833An
Includes data for agricultural population.

10968 SMITH, H. E. Our State is growing. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers,Sept. 15,1952:3. 275.29 In2Em
The population in Indiana.

RURAL SOCIAL ORGANIZATION

10969 ABEL, W. Agrarsoziologie und agrarsoziale dienste. Agrarsoz. Gesell. Schrreihe. f. Ländliche Sozfragen. 7:86-98. 1952. 281.9 Ag862S
Germany.

10970 AGRARSOZIALE GESELLSCHAFT. Landvolk in der industriegesellschaft. Agrarsoz. Gesell. Schrreihe. f. Ländliche Sozfragen. 7,102 p. 1952. 281.9 Ag862S

10971 BURGESS, C. J. Some sociological factors in agricultural development in the Caribbean. Caribbean Comn. Mon. Inform. B. 6:49-50,65. Oct.1952. 280.9 C19

10972 BURNET, J. Next-year country; a study of rural social organization in Alberta. Toronto,U. of Toronto Press,1951. 188 p. Ref. (Canadian Social Science Research Council. Social Credit in Alberta: its Background and Development. 3) 281.2 B93

10973 DAVIS, H. S. Good livin': a farm boy's diary. New York,Expo. Press,1952. 128 p. 281.2 D29

10974 EVANS, G. E. Taking the harvest. Countryman [Burford] 46:150-152. Autumn 1952. 281.28 C832
Rural life.

10975 FENTON, W. N. Locality as a basic factor in the development of Iroquois social structure. Smithsn. Inst. Bur. Amer. Ethnol. B. 149:35-54. Ref. 1951. 500 Sm63B

10976 FENTON, W. N., ed. Symposium on local diversity in Iroquois culture. Smithsn. Inst. Bur. Amer. Ethnol. B. 149,187 p. 1951. 500 Sm63B

10977 FRANCIS, E. K. The adjustment of a peasant group to a capitalistic economy: the Manitoba Mennonites. Rur. Sociol. 17:218-228. Sept.1952. 281.28 R88

10978 FÜTTERER, K. Die soziale situation in der westdeutschen landwirtschaft. Agrarsoz. Gesell. Schrreihe. f. Ländliche Sozfragen. 7:5-19. 1952. 281.9 Ag862S

10979 KAWAI, E. Noson no seikatsu [The life of the farmers villages]. Tokyo,Iwanami Shoten,1952. 230 p. (Iwanami Shinsho 89) 281.2 K17

10980 LEMBORELLE, A. Le Fonds du Bien-Etre Indigène. Belgium. Min. des Colon. B. Agr. du Congo Belge. 43(spec.no.):125-134. 1952. 24 K83

10981 LOEHR, R. C. Self-sufficiency on the farm. Agr. Hist. 26:37-41. Ref. Apr.1952. 30.98 Ag8

10982 ORTMEYER, C. E. Social interaction and social stratification. Rur. Sociol. 17:253-260. Sept. 1952. 281.28 R88

10983 PESQUIDOUX, A. DE. La vie aux champs. Paris,La Colombe,1951. 174 p. 281.2 P43

10984 RAO, S. B. P. P. Enriching village life. Madras J. Co-op. 44:12-16. July 1952. 280.28 M26

10985 REIS, B. DOS. Solidarity in agriculture. (In Portuguese.) Coop. Cent. das Prod. de Leite B. da C. C. P. L. 5:237. Aug.1952. 44.8 B634
Social organization in Brazil.

10986 ROBERTS, M. Farmwife. London,Dent,1952. 224 p. 120 R542

10987 ROMATIF, F. Stabilité et épanouissement de la famille rurale par la répartition sociale. Fiches Rur. 83:41-50. Aug./Sept.1952. 281.8 F44
France.

10988 SUAREZ CAVIGLIA, O. R. La Orden Benedictina y la vida rural en la edad media. Res. 20:26958-26959. Apr.20,1952. 286.85 R31

10989 TENHUMBERG, H. Grundzüge im soziologischen bild des westdeutschen dorfes. Agrarsoz. Gesell. Schrreihe. f. Ländliche Sozfragen. 7:20-50. 1952. 281.9 Ag862S

10990 THOMAS, F. G. The village. Ed. 2, rev. London,Oxford U. Press,1951. 96 p. (The Story of the Countryside 1) 281.2 T362

10991 TROUTON, R. Peasant renaissance in Yugoslavia, 1900-1950: a study of the development of Yugoslav peasant society as affected by education. London,Routledge & Paul,1952. 344 p. (International Library of Sociology and Social Reconstruction) 280.177 T75

10992 VERSLUYS, J. D. N. The social impact of measures for soil conservation experiences in east Indonesia. In Damodar Valley Corporation. Symposium on soil conservation, p.37-38. Hazaribagh,1951. 56.7 D18

10993 WALLACE, A. F. C. Some psychological determinants of culture change in an Iroquoian community. Smithsn. Inst. Bur. Amer. Ethnol. B. 149:55-76. Ref. 1951. 500 Sm63B

Human Ecology

10994 ALEXANDER, F. D. The problem of locality-group classification. Rur. Sociol. 17:236-244. Sept. 1952. 281.28 R88
Community and other group identifications.

10995 OPLER, M. E., and SINGH, R. D. Economic, political and social change in a village of north central India. Human Organ. 11(2):5-12. Summer 1952. 280.8 Ap5

10996 POHLENDT, H. Das sterben der deutschen dörfer im mittelalter. Übersicht 3(9):11-15. Sept.1952. 18 Ub3

10997 SCHLEINZER, K. Was bedeutet raumplanung für die landwirtschaft? Kärntner Bauer 102:483-484. Sept.1,1952. 19 K14

10998 TOLKUSHEV, V. Planning new villages in the district of Kuibyshev Hydroelectric Station construction. (In Russian.) Sel'sk. Stroitel' 7(4):13-15. July/Aug.1952 296.28 Se4

10999 U. S. TENNESSEE VALLEY AUTHORITY. Progress in the Tennessee Valley, 1933-1952. Washington,1952. 29 p. 173.2 T25Pg

Institutions

11000 ADRIANO, C. The home extension service. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.236-237. Manila,Graphic House,1952. 37 P533

11001 ANDERSON, W. R. Recommendations of veterans for administration of adult farmer training programs. Agr. Educ. Mag. 25:112. Nov.1952. 275.8 Ag8

11002 ANDREA, S. D'. The national mountain festival. (In Italian.) Agricoltura 1(8):33-37. Aug.1952. 16 Ag8226
Italy.

11003 ARKANSAS..DEPT. OF EDUCATION. Progress report institutional on-farm training in Arkansas January 1, 1951 to December 31, 1951. Little Rock, 1952. 23 p. 275.9 Ar423
University of Arkansas, College of Education, Department of Vocational Teacher Education, Cooperating.

11004 ASMIS, W. Die rechtsstellung der landwirtschaftskammern in Hessen. Recht der Landwirt. 4:5-6. Jan.1952. 30.58 R24

11005 AZZOPARDI, E. Schools for farm women. (In Italian.) Agricoltura 1(8):57-58. Aug.1952. 16 Ag8226
Italy.

11006 BADISCHER LANDWIRTSCHAFTLICHER HAUPTVERBAND. BAUERNSCHULE SCHWERZEN. Jahresbericht, 4th, 1951/52. Baden,1952. 12 p. 105.8 B14

11007 BAIR, A. W. The role of the teacher in promoting school and community relations. Agr. Educ. Mag. 25:84. Oct.1952. 275.8 Ag8

11008 BALDOVINOS, G., and PEREZ CASTRO, C. Programes de becas para estudiantes mexicanos de ciencias agrícolas. Mexico,Investigaciones Industriales, Banco de México,1951. 98 p. 275.1 B19

11009 BARNES, B. W. Starting out-of-school groups. Agr. Educ. Mag. 25:119-120. Nov.1952. 275.8 Ag8

11010 BIKLE, A. Landwirtschaftlicher briefsteller für den selbstunterricht; manuel autodidactique le Secrétaire de l'Agriculteur. Ed. 2. Bern,Verbandsdruckerei,1952. 80 p. 200.3 B48

11011 BLANCH, J. M. El plan económico 1952 en la escuela primaria. Pampa Argentina 25(295):23. July 1952. 9 P19

11012 BLISS, R. K., ed. The spirit and philosophy of extension work as recorded in significant extension papers. Washington,Pub. jointly by the Grad. Sch., U. S. Dept. Agr. and the Epsilon Sigma Phi,1952. 393 p. 275.2 B61

11013 BOKMA, A. From communications and reports to the Friesch Landbouwblad. (In Dutch.) Friesch Landbbl. 49:38. Sept.24,1952. 12 F91

11014 BRADSHAW, P. P. Look to the future. N. J. Agr. Col. Ext. L. 93,8 p. Sept.1952. 275.29 N46L
Aging and retirement.

11015 BRESSON, E. Chambres d'agriculture: l'électorat des groupements agricoles. Rev. de Lég. Agr. 4:169-171. Sept./Oct.1952. 281.8 R325
France.

11016 BRITTO, V. DE A. Due homage. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(3):4-5. Mar.1952. 9.2 M663
The farmer.

11017 BROHÉE, R. F. La formation professionnelle agricole en Belgique. Paris?1952? 6 p. 275.1 B78F

11018 BUNDY, C. E., and HAYWARD, R. L. The cooperative study of institutional on-farm-training in central region. Agr. Educ. Mag. 25:88,90. Oct.1952. 275.8 Ag8

11019 BUTTERWORTH, J. E., and FROST, N. Rural education—past achievements and present problems. NEA Journal 41:520-521. Nov.1952. 275.9 N21J

11020 CALIFORNIA. DEPT. OF FINANCE. FAIRS AND EXPOSITIONS DIV. Master premium list containing the rules and regulations for entry, exhibit, judging and award and the maximum premiums which may be offered and paid for all classes, sections and types of exhibits as prescribed by the State Department of Finance for district and county fairs pursuant to section 92 of the agricultural code effective Jan. 15, 1952. Sacramento, 1952. various pagings. 4.5 C123

11021 CARDO FRANCO, J. Apuntes a la historia de la Escuela Nacional de Agricultura. —antecedentes a su fundación. Agronomía [Lima] 17(70):149-152. July 1952. 9.8 Ag83
Peru.

11022 CARDO FRANCO, J. El deporte y la Escuela Nacional de Agricultura. Agronomía [Lima] 17(70):165-172. July 1952. 9.8 Ag83
Peru.

11023 CAVINESS, V. S. Better health on the farm. Carolina Co-op. 30(10):9,22. Oct.1952. 72.8 N81

11024 CERNOWSKY, W. Die rechtsberatung der Landwirtschaftskammer. Landwirtschaft 17/18:256-257. Sept.1952. 19 L235
Austria.

11025 CHARWATH, W. Landwirtschaftskammerabgabe in Hessen. Recht der Landwirt. 4:147-148. June 1952. 30.58 R24

11026 CHINI, A. Toward a wiser policy in the field of agricultural instruction. I. (In Italian.) Mondo Agr. 3 (33/34):3-4. Aug.24,1952. 16 M74
Italy.

11027 CHINI, A. Toward a wiser policy in the field of agricultural instruction. III. (In Italian.) Mondo Agr. 3(36):4. Sept.7,1952. 16 M74
Italy.

11028 CHRISTIANSON, J. O. Looking ahead. Visitor 39(4):1-3. Sept.1952. 275.8 V822
Vocational agriculture in Minnesota.

11029 COFER, D. B. First five administrators of Texas A. & M. College, 1876-1890. College Station?1952. 48 p. 119 C65

11030 CONDON, M. M. Rural schools in Montana. Mont. Farmer-Stockman 40:1,22-23. Sept.1,1952. 6 M764

11031 CONFERENCE OF EXTENSION HEALTH EDUCATION SPECIALISTS, DENVER, 1952. Summary. The road to better rural health. Washington, U. S. Ext. Serv., 1952. 38 p. 1.913 C3H34

11032 CONFERENCE ON WORLD LAND TENURE PROBLEMS, UNIVERSITY OF WISCONSIN, 1951. Influencing rural people; a report on workshops on information methods. Madison?1951. 54 p. 238.2 C762

11033 CORNABY, F. H. Young farmer program presents challenging problems. Agr. Educ. Mag. 25: 122. Nov.1952. 275.8 Ag8

11034 CORNELL UNIVERSITY. COLLEGE OF AGRICULTURE. Agriculture at Cornell. Ithaca, N. Y.,1951. 30 p. 276 C81Ac

11035 CRUZ, E. E. Problems of the Philippine cottage industries. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p.231-235. Manila,Graphic House,1952. 37 P533

11036 CUSHMAN, H. R. What's hindering the development of the young farmer program? Agr. Educ. Mag. 25:100. Nov.1952. 275.8 Ag8
In vocational agriculture.

11037 DALISAY, A. M. The contributions of agricultural extension to the nation. Sugar News [Manila] 28:321-322,324. July 1952. 65.8 Su36
Philippines.

11038 DALMASSO, G. Grape harvest time of joy. (In Italian.) Agricoltura 1(9):21-26. Sept.1952. 16 Ag8226

11039 DARBY, B. T. The world is their classroom. Farmer & Stock-Breeder 66(3285):43. Oct.7/8,1952. 10 F228
Travelling scholarships for farmers of the United Kingdom under the Nuffield Foundation.

11040 DAVIES, P. La enseñanza de la agricultura moderna en Malaya. Pampa Argentina 25(296):18. Aug. 1952. 9 P19

11041 DEAN, J. M. Modern fairs guide progress. Standards are established as the result of judging. These show the type, quality and product in demand and most economically produced. Shorthorn World 37(12):78-80, 89. Sept.10,1952. 43.8 Sh8

11042 DECKER, F. B. Can we afford 6,639 school districts? I. Nebr. Farmer 94(17):7,31. Sept.6,1952. 6 N27

11043 DECKER, F. B. The decision rests with you. II. Nebr. Farmer 94(18):24-25. Sept.20,1952. 6 N27
Nebraska's school district problems.

11044 DEHEYN, J. J. L'action scolaire en milieu rural. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):45-52. 1952. 24 K83

11045 DELORIT, R. J. Activities of an advisory committee. Agr. Educ. Mag. 25:80. Oct.1952. 275.8 Ag8

11046 DENSFORD, K., CHRISTIANSON, J. O., and TAYLOR, E. Practical nurses and homemakers for rural Minnesota. Minn. Med. 35:847-849,871. Sept.1952. 448.8 M66

11047 DIETZ, R. Zur frage der landwirtschaftskammer. Württemb. Wchnbl. f. Landwirt. 119:778-779. Aug.30,1952. 18 W96

11048 DURAN CÓRDOVA, J. Los Servicios Médicos-Sanitarios Ejidales Cooperativos de la Secretaría de Salubridad y Asistencia. Medecina 32:362-370. Aug.10, 1952. 448.8 M4693

11049 EATON, E. O. Institutional-on-farm training in Vermont. Agr. Educ. Mag. 25:107,109. Nov.1952. 275.8 Ag8
Veterans.

11050 EGGELING, H., and HEIM, B. Landwirtschaftliche betriebslehre; leitfaden für landwirtschaftsschulen, höhere landbauschulen, wirtschaftsberater und landwirte. Ed. 8, rev. Berlin,Parey,1952. 122 p. 33.27 Eg32L

11051 EMERSON, J. P. Harvest—rural periodical of Taiwan. Chin.-Amer. Econ. Coop. 1(8):46-50. Aug. 1952. 173.2 M98C

11052 ENSMINGER, D. Village extension work. Indian Farming (n.s.)2(5):15-16,32. (Concl.) Aug.1952. 22 In283

11053 EPELDE, R DE A. Y. Los campesinos guipuzcoanos en viaje de instrucción. Cooperación [Madrid] 125:14-15. July 1952. 280.28 C7875

11054 ERTL, J. Die landjugendarbeit in Bayern bisher und in nachster zukunft. Ausbild. u. Beratung in der Landwirt. 5:88-89. 1952. 18 N11

11055 ESCUELA Nacional de Agricultura. Agronomia [Lima] 17(70):7-40. July 1952. 9.8 Ag83
Peru.

11056 ESHBACH, C. E. Television, a vital new method. Ext. Serv. Rev. 23:155,164. Sept.1952. 1 Ex892Ex
In extension work.

11057 ESSERT, P. L., and HOWARD, R. W. Educational planning by neighborhoods in centralized districts. New York, Bur. P., Teachers Col., Columbia U.,1952. 132 p. 275 Es72

11058 FELDMANN, E. Die Mädchenabteilung; bildungsstätte für die weibliche landjugend. Landwirt. Z. der Nord-Rheinprov. 119:1052-1053. Sept.27,1952. 18 L2344

11059 FOX, J. Never a dull moment in Collinville's adult study group. Agr. Educ. Mag. 25:102,109. Nov. 1952. 275.8 Ag8
Oklahoma.

11060 FRANK, F. Für eine landwirtschaftskammer! Bad. Landwirt. Wchnbl. 119:654-655. Sept.20,1952. 18 B142

11061 FRASER, D. B. W., and FRASER, S. B. The age of Australian farmers. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:94-96. July 1952. 281.9 Au73

11062 FRITZ. Die gehilfenfortbildung als vorbereitung zum landwirtschaftsmeister. Landwirt. Z. der Nord-Rheinprov. 119:899. Aug.23,1952. 18 L2344

11063 GALANG, F. G. The agricultural extension service. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p. 147-153. Manila,Graphic House,1952. 37 P533

11064 GILLE, A. Du technique à l'humain. Belgium Min. des Colon. B. Agr. du Congo Belge 43(spec.no.): 263-267. 1952. 24 K83
Peasantry.

11065 GONÇALVES, P. A. Vocational agriculture (U. S. A.). (In Portuguese.) Lav. Arroz. 6(67):25-27. July 1952. 59.8 L39

11066 GONZÁLEZ GALINDO, A. Cada vez es mayor el número de cursillos agropecuarios. Rev. Sind. de Estadis. 7(26):21-25. Second Q.1952. 263 Es8B

11067 GONZÁLEZ MATHEUS, J. J. Extensión agrícola. Agro [Maracay] 7(21):37-43. June/Aug.1952. 9.95 Ag83
Venezuela.

11068 GRIESSER, H. Wird die landjugend "ein stiefkind" bleiben? Bauern-Ztg. 5(39):1-2. Sept.26, 1952. 18 B324
Germany.

11069 GRIFFIN, W. L. Meetings for parents "sell" farming programs. Agr. Educ. Mag. 25:81,95. Oct.1952. 275.8 Ag8

11070 GRIGGS, E. R. Organized and unorganized adult education. Agr. Educ. Mag. 25:117. Nov.1952. 275.8 Ag8

11071 HADLEY, D. E. Let them know. Agr. Educ. Mag. 25:93,95. Oct.1952. 275.8 Ag8
Public relations for vocational agriculture.

11072 HAGE, K. Die hessische beraterschule Rautsch-Holzhausen: rückblick und ausblick. Ausbild. u. Beratung in der Landwirt. 5:91-93. 1952. 18 N11

11073 HALDEMANN, E. Aargauische Landwirtschaftliche Gesellschaft; um den ausbau des landwirtschaftlichen beratungswesen. Grüne 80:999-1005. Sept.5,1952. 17 Sch9

11074 HAMILTON, J. D. Evaluation of methods used in I-O-F training in the Central Region. Agr. Educ. Mag. 25:113. Nov.1952. 275.8 Ag8
Veteran training.

11075 HANSEN, S. I. Film and radio in the service of agricultural information. I-II. (In Danish.) Dansk Landbr. 71:466-467,476-477. Sept.25-Oct.2,1952. 280.28 V91

11076 HATCH, D. S. The rural centre approach. Caribbean Comn. Mon. Inform. B. 6:57-58. Oct.1952. 280.9 C19
Extension work in Costa Rica.

11077 HOBGOOD, T. N., JR., MAYO, S. C., and SCARBOROUGH, C. C. Organizational procedures for young farmer programs; a study of successful programs in selected communities in North Carolina. Agr. Educ. Mag. 25:115-118,123. Nov.1952. 275.8 Ag8

11078 JEHLIK, P. J., and MCNAMARA, R. L. The relation of distance to the differential use of certain health personnel and facilities and to the extent of bed illness. Rur. Sociol. 17:261-265. Sept.1952. 281.28 R88
Based on survey in Missouri.

11079 JENKINS, M. T. The form of adult education varies. Agr. Educ. Mag. 25:110,112. Nov.1952. 275.8 Ag8

11080 KLINE, A. B. The farmer and "politics." Nation's Agr. 27(9):7. Oct.1952. 280.82 B89

11081 KNECHT, J. Methodik der beratung bei klein- und kleinstbetrieben. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 12, 8 p. 1951. 18 G312S

11082 KNIGHT, W. A program for the wives of veterans and young farmers. Agr. Educ. Mag. 25:108. Nov.1952. 275.8 Ag8

11083 KOERS, H. G. Gedanken zur landjugendarbeit. Landwirtbl. Weser-Ems 99:888. Sept.4,1952. 18 L2345

11084 KRAUS, G. Der naturkundeunterricht an landwirtschaftlichen schulen. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:175-177. (Concl.) Ref. July 1952. 105.9 K696
English summary.

11085 LAMBERT, D. P. Thoughts of a rural M. O. H. Med. Off. 88:152-153. Sept.27,1952. 448.8 M462
Work of the Medical Officer of Health in Great Britain.

11086 LAMOREAUX, J. New Hampshire's Yankee aggies. Harvester World 43(9):20-23. Sept.1952. 58.8 H26

11087 LANGDON, C. Experience with an advisory council. Agr. Educ. Mag. 25:78,84. Oct.1952. 275.8 Ag8

11088 LEACH, A. M. Advisory councils consolidate public interests. Agr. Educ. Mag. 25:76,83. Oct.1952. 275.8 Ag8

11089 LENTZ, J. A. How do you spend your time? Better Farming Methods 24(10):36,38. Oct.1952. 58.8 B46
County agents.

11090 LINTNER, J. H. Effectiveness of institutional on-farm-training in Ohio. Agr. Educ. Mag. 25:103-104, 120. Nov.1952. 275.8 Ag8

11091 LYSENKO, P. V. Some results of the work of a center of agricultural culture. (In Russian.) Sovet. Agron. 10(8):74-76. Aug.1952. 20 So84
Educational and research activities of collective farmers.

11092 MCCALLUM, A. The Edinburgh and East of Scotland College of Agriculture, 1901-1951. Edinburgh, 1951. 59 p. 103 Ed4Ed

11093 MCCLURE, E. Is agriculture losing the battle of public opinion? Oreg. Wheat Growers League Proc. 24:61,63-64. 1951. 59.9 Ea73

11094 MCDOUGAL, H. L. Barn-yard philosophers. Agr. Educ. Mag. 25:105,123. Nov.1952. 275.8 Ag8
Adult education.

11095 MACLEAN Y ESTENOS, A. Necesidad de mejorar la información agrícola. Agrotecnia 7:10-11. July/Aug.1952. 8 Ag825

11096 MAIER-BODE, F. W. Der einfluss der diplom-landwirte auf die steigerung der landwirtschaftlichen produktion. Diplomlandwirt 2:101-103. Sept./Oct.1952. 18 D62
Germany.

11097 MAKHNOVICH, G. Training of masters in agriculture; from the practices at the three-year agro-zootechnical courses. (In Russian.) Kolkhoz. Proizvodstvo 12(8):13-14. Aug.1952. 281.8 K83

11098 MALARY, A. Die landfamilienbewegung in Frankreich. Agrarsoz. Gesell. Schrreihe. f. Ländliche Sozfragen. 7:61-72. 1952. 281.9 Ag862S

11099 MANRESA XAMENA, J. Baleares y los institutos laborales. Balearic Isl. Diputación Prov. B. de Agr. 95:8-9. Aug.1952. 15 B19

11100 MIRO ESPLUGAS, M. Instituto Agrícola Catalán de San Isidro. Cooperación [Madrid] 126:10-11. Aug.1952. 280.28 C7875

11101 MOORE, H. I. Seale-Hayne Agricultural College. Brit. Agr. B. 5:139-143. Sept.1952. 10 B776

11102 MOORE, H. I. Training for agriculture. Country Life [London] 112:940-941. Sept.26,1952. 80 C83

11103 MOORE, R. L. Serving adult farmer needs in a community. Agr. Educ. Mag. 25:110. Nov.1952. 275.8 Ag8

11104 NAKAMURA, J. Postwar aspect of cadet families in rural districts. (In Japanese.) Nogyo Sogo Kenkyu 6(3):147-186. July 1952. 22.5 N687
Japan.

11105 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Health on the home front. Okla. Agr. Col. Ext. C. 570,23 p. n.d. 275.29 Ok41C

11106 OLSON, O. J. Education on the air; twenty-first yearbook of the Institute for Education by Radio and Television. Columbus,Ohio State U.,1951. 519 p. 275.9 In72
Contains reports of work-study groups in television and radio in agricultural broadcasting and discussion of U. S. D. A.'s television research project.

11107 ORDONEZ, R. M. Ladrones de sangre. P. R. Agr. Col. Ext. Fol. Sa-10,11 p. Sept.1951. 275.29 P96FSa
Hookworm disease.

11108 PANKOV, I. P. Higher level of education work with the professorial-teaching cadres at the institutes of higher learning. (In Russian.) Veterinariia 29 (9):3-9. Sept.1952. 41.8 V6426

11109 PARKER, G. C. Meeting educational needs. II. Visitor 39(4):3-4. Sept.1952. 275.8 V822
Vocational agriculture.

11110 PERDUE, C. E., and ELLIOTT, D. A. Course content in institutional on-farm training in central region. Agr. Educ. Mag. 25:89-90. Oct.1952. 275.8 Ag8

11111 PÉREZ SÉNAC, J. R. Periodismo agrario. Pampa Argentina 25(295):4,36. July 1952. 9 P19

11112 PETITLAURENT, V. Comment se détermine en agriculture. L'activité professionnelle suffisante, nécessaire pour l'attribution des prestations familiales? Rev. de Lèg. Agr. 3:111-114. July/Aug.1952. 281.8 R325

11113 POPENOE, W. Por el fruto se conoce el árbol. Rev. de Agr. [San José] 24:228-232. Aug.1952. 8 Es1
On the Escuela Agricola Panamericana.

11114 PRILIPP, W. Vorschläge für das zusammenarbeiten der landwirtschaftsschulen mit den landwirtschaftlichen berufsschulen. Ausbild. u. Beratung in der Landwirt. 5:93-94. 1952. 18 N11
Germany.

11115 PROVINCIAL INDUSTRIAL CO-OPERATIVE ASSOCIATION. Annual report (1951-52). Bombay,1952. 23 p. 280.29 P942
Includes rural industries.

11116 PUTONG, C. Agricultural education, a key to economic self-sufficiency. Plowman 8:410-412,461. May/June 1952. 276.8 P72
Philippines.

11117 RAINE, J. V. Do home farm visits bring results? Agr. Educ. Mag. 25:82-83. Oct.1952. 275.8 Ag8

11118 RAJAGOPALACHARIAR, C. Handloom industry, our national asset. Madras J. Co-op. 44:9-11. July 1952. 280.28 M26

11119 RAMIA, M. La educación de nuestro campesinado. Agro [Maracay] 7(21):83-84. June/Aug.1952. 9.95 Ag83
Venezuela.

11120 RAWLINGS, I. Fairs, beef production interesting in Scotland. Kans. Stockman 37(12):62,64. Oct. 1952. 49 K134

11121 REESE, M. J. Spirit of extension work. Ext. Serv. Rev. 23:156. Sept.1952. 1 Ex892Ex

11122 RHODES, C. L. Need for further training for veterans and other rural groups. Agr. Educ. Mag. 25: 118. Nov.1952. 275.8 Ag8

11123 ROBINSON, J. L. Extension programs on farmers' cooperatives. Washington,U. S. Ext. Serv., 1952. 3 p. 1.955 A2R562
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

11124 ROE, J. Agriculture's public relations: we're telling the farm story. Successful Farming 50(10):15. Oct.1952. 6 Su12

11125 ROKAHR, M. A. Interchange between research and education programs. Washington,U. S. Ext. Serv., 1952. 3 p. 1.913 H3R63
Talk at Conference on Areas of Research, Family Economics, Home Management Division, American Home Economics Association, Columbus, June 19, 1952.

11126 ROSE, W. Cooperation in young farmer education. Agr. Educ. Mag. 25:106. Nov.1952. 275.8 Ag8

11127 RUFFALDI, G. B. Directions for future agricultural schools. (In Italian.) Humus 8(7/8):29-30. July/Aug.1952. 16 H88
Italy.

11128 RURAL INDUSTRIES BUR. Rural craftsmen today; the report of the Rural Industries Bureau from April 1950 to March 1952. London,1952. 40 p. 281.9 R88R

11129 SÁNCHEZ S., J. J. La Escuela Nueva. Rev. de Agr. [San José] 24:242,244-245. Aug.1952. 8 Es1

11130 SANCHEZ S., J. J. El Instituto de Cartago. Rev. de Agr. [San José] 24:289-291. Sept.1952. 8 Es1

11131 SANDERS, H. C. Some extension philosophy. Ext. Serv. Rev. 23:160-161. Sept.1952. 1 Ex892Ex

11132 SANTOS BUGALLO, E. M. La propaganda en el campo vista desde Galicia. Cooperación [Madrid] 126:4. Aug.1952. 280.28 C7875

11133 SAUER, E. Landwirtschaftliche sachverständige. Recht der Landwirt. 4:141-143. June 1952. 30.58 R24
Germany.

11134 SAUER, E. Zur landwirtschaftskammerfrage. Recht der Landwirt. 4:1-5. Jan.1952. 30.58 R24
Germany.

11135 SCARPONI, C. More on the Professional Agricultural Institute. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:327-329. Aug.1952. 16 C72

11136 SCHLÖGL, A. Der landwirtschaftsbrief. Landwirt. Wchnbl. 142:1241. Nov.1,1952. 18 L2338
Agricultural education in Germany.

11137 SCHWALBACH, J. A. Wisconsin rural art program. Town & Country Church 82:8. Oct.1952. 281.28 T66

11138 SEEDORF, W. Das deutsche landwirtschaftliche ausstellungswesen und die DLG. Deut. Landwirt.-Gesell. Mitt. 67:577,585-586. Aug.16,1952. 18 N39

11139 SHELLEY, J. S. To increase farm income, county agents need to help educate the consumer. Better Farming Methods 24(10):18,20-21. Oct.1952. 58.8 B46

11140 SHORTRIDGE, N. H. Farm Bureau fair activities many and varied. Hoosier Farmer 37(10):22, 49. Oct.1952. 280.82 H76

11141 SILVEIRA, A. H. DA. Courses in agriculture. (In Portuguese.) Chacaras e Quintais 86:384-386. Sept.15,1952. 9.2 C34
Brazil.

11142 SLADDEN, G. E. Évolution possible du paysannat indigène au Congo Belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):7-27. 1952. 24 K83

11143 STASHEVSKIĬ, V. E. Practices in organizing agricultural fairs in 1951. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:73-78. Mar. 1952. 20 D742

11144 STEINBÖCK, G. Schickt die jugend in die bäuerliche fachschule! Landwirtschaft 17/18:273-274. Sept.1952. 19 L235
Austria.

11145 SUMAREV, P. Lektoriĭ v sele Zaborovka [Lecture hall in the village Zaborovka]. Moskva,Gos. Izd-vo Kul'turno-Prosvetitel'noĭ Lit-ry,1952. 39 p. (Bibliotechka Sel'skogo Klubnogo Rabotnika) 275.24 Su6
Education of collective farmers.

11146 TOLSTYKH, O. E. A school of progressive practices. (In Russian.) Sotsialist. Zhivotnovod. 14(3): 38-42. Mar.1952. 49 So71
Excursions of workers to leading collective farms to learn their methods.

11147 TRIPP, T. A. Life Ministry to town and country churches. Town & Country Church 82:1-2. Oct.1952. 281.28 T66

11148 TUREGG, VON. Landwirtschaftliche sachverständige. Recht der Landwirt. 4:90-92. Apr.1952. 30.58 R24

11149 U. S. EXTENSION SERV. Federal health legislation, by E. J. Niederfrank. Washington,1952. 2 p. 1.913 A2F312

11150 U. S. EXTENSION SERV. Number of extension workers. Washington,1952. 1 p. 1.913 A2N91

11151 U. S. EXTENSION SERV. Outline for course paper on program development, by J. L. Matthews. Washington,1952. 2 p. 1.913 S2Ou87
Extension work.

11152 U. S. EXTENSION SERV. Outline of in-service training course in extension teaching methods. Washington,1952. 22 p. 1.913 S2Ou83

11153 VIANA, J. A. C. Considerations on university teaching of engineering, agronomy, veterinary medicine and domestic science. (In Portuguese.) Cong. Bras. de Vet. An. 5:781-821. Ref. 1950;pub.1951. 41.9 C7695A
In Brazil.

11154 VILLALBA VILLALBA, L. Las escuelas radiofónicas y la educación del campesino. Agr. Venezol. 17(154):26-27. Jan./July 1952. 9.95 Ag8

11155 VOGL, F. Unsere tanzfeste. Bauer 5(6):10-11. Feb.9,1952. 19 B32
Austria.

11156 WARREN, M. G. Audio-visual materials and methods in I-O-F training in Central Region. Agr. Educ. Mag. 25:111,113. Nov.1952. 275.8 Ag8
Veterans.

11157 WEISS, J. N. Teaching adult farmers. Agr. Educ. Mag. 25:114,116. Nov.1952. 275.8 Ag8

11158 WINNIG, A. Bauer und arbeiter; der älteste und der jüngste typ des wirtschaftsmenschen. Übersicht 3(9):3-5. Sept.1952. 18 Ub3

11159 WITMER, T. D. Adult education in Forksville, Pa. Agr. Educ. Mag. 25:101,106. Nov.1952. 275.8 Ag8

11160 WOLF. Welche anforderungen sind an den landwirtschaftsmeister zu stellen? Ausbild. u. Beratung in der Landwirt. 5:89-91. 1952. 18 N11
Germany.

11161 WOLFE, F. U. Evaluating the work of veterans' teachers. Agr. Educ. Mag. 25:121-122. Nov.1952. 275.8 Ag8

11162 WOLFE, T. K. If you serve the farm market. Sales Mangt. 69(7):76,78,80-81. Oct.1,1952. 280.38 Sa3
Cooperation with vocational agriculture teachers.

11163 YAJIMA, T. Farmers' health and agricultural labor-power in the paddy-field farming. Hokkaido U. Facul. Agr. J. 50:19-64. Ref. Mar.1952. 107.6 J273J

Leadership

11164 WILKENING, E. A. Informal leaders and innovators in farm practices. Rur. Sociol. 17:272-275. Sept.1952. 281.28 R88

Rural Organizations and Movements

11165 ALBERTA CO-OPERATIVE UNION. Co-operatives and farm organizations of Alberta. Ed. 2. Calgary,1952. 56 p. 280.2 AL14

11166 BALAY, E. El principio y el método de distribución del excedente cooperativo. Rev. de Cien. Econ. 40:125-138. Mar./Apr.1952. 280.8 R3235

11167 BALDWIN, H. This co-op has growing pains; the Pioneer Co-operative Association is busily proving that nothing succeeds like success. Country Guide 71(10): 10,50-51. Oct.1952. 7 G76

11168 BOGARDUS, E. S. Principles of cooperation. Chicago,Coop. League U.S.A.,1952. 68 p. Ref. 280.2 B632P

11169 BÖÖK, S. Observations on the attitude of purchasing cooperatives to non-members. (In Swedish.) Nord. Lantbrekon. Tidskr. 2(3):20-22. 1952. 281.8 N75

11170 BÓREA, D. Cooperativas agrarias. Chacra 22(263):19-20. Oct.1952. 9 C34
Argentina.

11171 BORGAN, O. Activities of IFAP in 1951-52. (In Norwegian.) Nord. Lantbrekon. Tidskr. 2(3):29-35. 1952. 281.8 N75

11172 BOYLE, B. Britain's Young Farmers' Clubs. Country Guide 71(9):10,33. Sept.1952. 7 G76

11173 BROWN, W. W. National 4-H day scheduled. Fla. Cattleman 17(2,sect.3):54-55,62. Nov.1952. 43.8 F66

11174 BRUDERER, T. Agricultural undertakings of the Swiss consumers' movement. Rev. Internatl. Coop. 45:188-191,211. Aug./Sept.1952. 280.28 In8B

11175 CARACAS. INSTITUTO AGRARIO NACIONAL. Aspectos de las actividades del Instituto Agrario Nacional. Caracas,1951. 1 p.-folder. 281.9 C17A

11176 CHRISTIAN, G. Young Farmers' Clubs. Estate Mag. 52:372-374. Sept.1952. 10 Es8
Great Britain.

11177 CONN, R. B. It's time to get your licks in now! Farm Policy Forum 6,i.e.5(10):30-31. Oct.1952. 281.8 F2274
Farm organizations.

11178 CO-OPERATIVE FEDERATION OF WESTERN AUSTRALIA. Minutes and report of the thirty-second annual conference. Westralian Farmers Gaz.July/Aug. 1952(sup.),48 p. 280.28 W522

11179 CORWIN, W. M. Southern States' farm families in action. News Farmer Coop. 19(5):13-14. Aug. 1952. 166.2 N47
Program of the Southern States Cooperative of Richmond, Virginia.

11180 COUNTRY WOMEN'S ASSOCIATION OF NEW SOUTH WALES. The official annual; twenty-ninth annual report and balance sheet. Sydney,1951. 247 p. 281.29 C8340

11181 CRAMOIS, A., and FLAVIGNY, P. Relations between agricultural co-operatives and the State. Rev. Internatl. Coop. 45:208-211. Aug./Sept.1952. 280.28 In8B

11182 DAM, G. VAN. A century of enlightenment and education. (In Dutch.) Friesch Landbbl. 49:33. Sept.24, 1952. 12 F91
Friesche Maatschappij van Landbouw.

11183 DARLING, SIR M. Co-operation and the village community. Rev. Internatl. Coop. 45:192-197. Aug./Sept.1952. 280.28 In8B

11184 DE GUERIN, B. C. Young Farmers Jersey Island. Amer. Farm Youth 18(4):32-33. Sept.1952. 6 Am393

11185 DIETRICH, H. Die berufsständische selbstverwaltung in der österreichischen landwirtschaft. Agrarsoz. Gesell. Schrreihe. f. Ländliche Sozfragen. 7: 73-85. 1952. 281.9 Ag862S

11186 DREJER, A. A. The farm cooperatives concept. (In Danish.) Nord. Lantbrekon. Tidskr. 2(3):23-28. 1952. 281.8 N75

11187 DREJER, A. A. I.C.A.'s auxiliary committee on agriculture. Rev. Internatl. Coop. 45:172-174. Aug./Sept.1852. 280.28 In8B

11188 DRIVER, P. N. The role of co-operation in Indian agricultural organisation. Rev. Internatl. Coop. 45:203-207,215. Aug./Sept.1952. 280.28 In8B

11189 DUGGAN, I. W. Membership and public relations, an investment in future success. News Farmer Coop. 19(5):6. Aug.1952. 166.2 N47
Cooperative organizations.

11190 EAYRS, J. The political ideas of the English agrarians, 1775–1815. Canad. J. Econ. & Polit. Sci. 18: 287-302. Aug.1952. 280.8 C162

11191 FLAVIGNY, P. Le rôle des coopératives agricoles. Rev. de Lég. Agr. 4:178-181. Sept./Oct. 1952. 281.8 R325

11192 FONSECA, O. P. Rural cooperatives. (In Portuguese.) Coop [Bahia] 11(102/103):17. May/June 1952. 280.28 C7842

11193 FORSS, U. Some considerations on the financing of cooperatives. (In Norwegian.) Meieriposten 41: 629-634. Aug.30,1952. 44.8 M47

11194 FRIETEMA, H. J. The Netherlands farmer and cooperation. (In Dutch.) Co-operatie 14:102-104. Sept.1952. 280.29 N216M

11195 GARDNER, K. B. What is management? News Farmer Coop. 19(5):4,12. Aug.1952. 166.2 N47
Of a cooperative enterprise.

11196 GENTILCORE, R. L. Agriculture and the co-operative movement in eastern Nova Scotia. Agr. Inst. Rev. 7(5):14-15,64-65. Sept.1952. 7 Ag8

11197 GRAÇA, J. Considerations in defense of "cooperation in agriculture." (In Portuguese.) Granja [Lisboa] 11:131-150. Ref. July/Sept.1952. 15.5 G76

11198 GRÖNDAL, B. Entwicklung und gegenwartsprobleme der isländischen genossenschaftsbewegung. Verbraucher 6:389-391. Aug.9,1952. 280.28 K833

11199 HOBSON, A. Cooperation—principles & practices. Rev. Wis. Agr. Col. Ext. C. 420,125 p. Mar. 1952. 275.29 W75C
Originally prepared by C. L. Christensen, A. Hobson, H. H. Bakken, R. K. Froker, and M. A. Schaars.

11200 HOEK, J. J. S. V. D. On the establishment. (In Dutch.) Friesch Landbbl. 49:7. Sept.24,1952. 12 F91
Friesche Maatschappij van Landbouw.

11201 HOWARD, SIR H. Commonwealth Agricultural Bureaux. J. Sci. Food & Agr. 3:385-387. Sept.1952. 382 So12

11202 HUSAIN, Z. Co-operative movement. Pakistan Econ. & Com. 1:191-196. Apr.1952. 280.8 P175

11203 ILLINOIS AGRICULTURAL ASSOCIATION. Annual report for the fiscal year Oct. 1, 1950 to Oct. 1, 1951. Chicago,1951. 243 p. 4 IL66R
Report of the Association and related companies.

11204 INDONESIA. EMBASSY, LONDON. INFORMATION DEPT. Co-operatives in Indonesia. Rev. Internatl. Coop. 45:228-231. Oct.1952. 280.28 In8B

11205 KIENTSCH, A. Das landwirtschaftliche genossenschaftswesen unter besonderer berücksichtigung bernischer verhältnisse. Rütti-Zollikofen,Selbstverlag der Kantonalen Landwirtschaftlichen Schule,1951. 187 p. 280.2 K54L

11206 KUESSNER-GERHARD, L. 25 jahre internationale landfrauenarbeit! Reich der Landfrau 37:293-295. Sept.13,1952. 18 L2347

11207 KUPERUS, R. The Friesian Society and agricultural cooperation. (In Dutch.) Friesch Landbbl. 49:11. Sept.24,1952. 12 F91

11208 LARZELERE, H. E., and KING, R. M. Ratios as measuring sticks for elevator and farm supply organizations. Mich. Agr. Expt. Sta. Spec. B. 380,29 p. Aug. 1952. 100 M58S
Financial management ratio.

11209 LUZ FILHO, F. Publicity and cooperative education. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C. C. P. L. 5:221. July 1952. 44.8 B634
Brazil.

11210 MACRA NA FEIRME. Annual report, 1951-52. Carlow,1952. 17 p. 10.5 M24

11211 MACSWEEN, R. J. Co-operative associations in Nova Scotia 1951. Halifax,Nova Scotia,1952. 34 p. 280.29 N85

11212 MEHRENS. Die stellung der schwedischen landwirtschaftlichen genossenschaften auf dem markte. Raiffeisen-Rundschau 4:218. Sept.1952. 284.28 R132

11213 MEINSCHER, W. E. 4-H rifle work in Texas. Ext. Serv. Rev. 23:163. Sept.1952. 1 Ex892Ex

11214 MENON, M. M. K. Co-operative movement in Malabar. Madras J. Co-op. 44:23-28. July 1952. 280.28 M26

11215 MOUTON, G. The Provincial Institute of Agricultural Co-operation, Liège. Rev. Internatl. Coop. 45:212-216. Aug./Sept.1952. 280.28 In8B

11216 MUDALIAR, A. P. Co-operation and rural uplift. Madras J. Co-op. 44:77-81. Aug.1952. 280.28 M26

11217 NAGATA, S. 4-H Club to shidosha [4-H Club and educator]. Tokyo,Nippon Ricko Kai,1951. 98 p. 275.24 N13Fo

11218 NATIONAL ALLOTMENTS AND GARDENS SOCIETY. Annual report for the year 1951—52. London, 1952. 19 p. 282.9 N214

11219 NEDERLANDSCHE HEIDEMAATSCHAPPIJ. Verslag over het jaar 1951 [Report for the year 1951]. Nederland. Heidemaatsch. Meded. 15,48 p. 1952. 12 N282M

11220 NOURSE, E. G. Changes necessary to meet tomorrow's problems. Mich. Milk Messenger 35(5):1,8. Sept.1952. 44.8 M582
Cooperatives.

11221 PETERSEN, L. B. Rejuvenation of our association work. I-II. (In Danish.) Dansk Landbr. 71:461-462,474-475. Sept.25-Oct.2,1952. 280.28 V91

11222 PETERSON, H. J. Co-op ad campaign covers 5 States. News Farmer Coop. 19(5):5-6,10. Aug.1952. 166.2 N47

11223 PLOUG-JØRGENSEN, A. The 4-H work in Frederiksborg Province. (In Danish.) Dansk Landbr. 71: 480-481. Oct.2,1952. 280.28 V91

11224 POULAIN, A. L'association, salut des petites exploitations. Fiches Rur. 83:51-56. Aug./Sept.1952. 281.8 F44
France.

11225 ROMATIF, F. Les moyens de travail des dirigeants d'organisations rurales. Fiches Rur. 84:1-4. Oct.1952. 281.8 F44
France.

11226 ROYAL ULSTER AGRICULTURAL SOCIETY. Report 1951. Belfast,1952. 139 p. 10 R816

11227 SÃO PAULO, BRAZIL (STATE) DIV. DE FOMENTO AGRICOLA. Os clubes 4-H's nos Estados Unidos [4-H clubs in the United States], by M. Bechara. Sao Paulo,1951. 26 p. 275.2 Sa6

11228 SCHACK, G. Das lehrreiche Schweden. Salzburger Bauer 7(40):1-3. Oct.2,1952. 19 Sa3
Cooperatives.

11229 SCHERER, A. Finnlands vorbildliches genossenschaftswesen. Raiffeisen-Rundschau 4:216-217. Sept.1952. 284.28 R132

11230 SCHOBEL, A. Arbeitsloses einkommen und genossenschaftliche wirtschaftsordnung. Landwirtschaft 17/18:251. Sept.1952. 19 L235
Austria.

11231 SCHOBEL, A. Genossenschaftliches ABC; eine fibel des genossenschaftswesens. Wien,Osterreichischer Agrarverlag,1952. 60 p. 280.2 Sch62G

11232 SCOTT, J. K. Contributions of the FFA to the community. Agr. Educ. Mag. 25:79. Oct.1952. 275.8 Ag8

11233 SEIFER, A. Steigerung der leistungsfähigkeit des bäuerlichen betriebes durch genossenschaftliche zusammenarbeit. Bad. Landwirt. Wchnbl. 119(36):X. Sept.7,1952. 18 B142

11234 SEKHRI, P. C. Refugee rehabilitation through co-operatives. Madras J. Co-op. 44:17-22. July 1952. 280.28 M26
Work of the Indian Co-operative Union, Ltd.

11235 SPINELLI, O. Co-operative agriculture in Italy: the Ravenna example. Rev. Internatl. Coop. 45: 200-203. Aug./Sept.1952. 280.28 In8B

11236 STERN, J. K. Institute turning to tomorrow's problems. News Farmer Coop. 19(5):3,10. Aug.1952. 166.2 N47
Problems of cooperatives discussed at meeting of American Institute of Cooperation.

11237 TOMANICK, O. Help to the family through cooperation. (In Portuguese.) Coop. Cent. das Prod. de Leite B. da C. C. P. L. 5:243-246,256. Aug.1952. 44.8 B634
Brazil.

11238 U. S. EXTENSION SERV. Aids for observance National 4-H Achievement Day, November 8, 1952. Washington,1952. 8 p. 1.913 F3Ac4

11239 U. S. EXTENSION SERV. A 4-H report to the Nation, 1951. Theme: Working together for world understanding, by G. L. Warren. Washington,1951. 28 p. 1.913 F3F8225

11240 U. S. FARM CREDIT ADMIN. Publications on agricultural cooperation. U. S. Farm Credit Admin. C. A-23,rev.,29 p. July 1952. 166.2 C4922

11241 VENKATACHALAM, V. Some problems of the co-operative movement. Madras J. Co-op. 44:29-32. July 1952. 280.28 M26

11242 VYSSER, K. An important event: the reorganization. (In Dutch.) Friesch Landbbl. 49:9. Sept.24,1952. 12 F91
Friesche Maatschappij van Landbouw.

11243 WATKINS, W. P. Co-operation and agriculture. Rev. Internatl. Coop. 45:170-171. Aug./Sept. 1952. 280.28 In8B

11244 WILLAERT, M. Les coopératives indigènes au Congo Belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(spec.no.):85-123. 1952. 24 K83

11245 WILLIAMS, J. P., and JOHNSON, E. South Carolina's Camp Long fosters friendship! Natl. 4-H News 30(10):15,30-31. Oct.1952. 275.28 N212

11246 WOOD, N. The C.W.S. [Co-operative Wholesale Society] as farmer. Rev. Internatl. Coop. 45:185-187. Aug./Sept.1952. 280.28 In8B

RURAL SOCIAL PSYCHOLOGY

11247 ALVAREZ MERINO, M. La incomprensión de la ciudad en los problemas del campo. Agr. Burgalés 19(212):7-8. Aug.1952. 15 Ag86

11248 APARICIO LÓPEZ, O. La buena madre de familia en la vida rural. Balearic Isl. Diputación Prov. B. de Agr. 94:11. July 1952. 15 B19

11249 BRADSHAW, P. P. The green-eyed monster. N. J. Agr. Col. Ext. L. 90,7 p. Aug.1952. 275.29 N46L
Handling jealous children.

11250 COUTURE, C. E. N'est pas cultivateur qui veut! Foyer Rur. [Montreal] 11(11):5. Sept.1952. 7 F83
Man-land relationship.

11251 DOEHRING, J. Der geistige hintergrund bäuerlichen denkens in der gegenwart. Agrarsoz. Gesell. Schrreihe. f. Ländliche Sozfragen. 7:51-60. 1952. 281.9 Ag862S
Germany.

11252 DU WORS, R. E. Persistence and change in local values of two New England communities. Rur. Sociol. 17:207-217. Sept.1952. 281.28 R88

11253 GOUVEA, S. DE. Agricultural mentality or agrarian mentality. (In Portuguese.) Granja [Porto Alegre] 8(63):6-7. June 1952. 9.2 G76
Brazil.

11254 LEWIS, O. The effects of technical progress on mental health in rural populations. Amer. Indig. 12:299-307. Oct.1952. 446.9 In8A

11255 MAKOVETSKIĬ, V. Our method of administering the affairs of the artel. (In Russian.) Kolkhoz. Proizvodstvo 12(8):9-12. Aug.1952. 281.8 K83
General meetings and discussions at Krasnyĭ Khleborob Kolkhoz in Ilanskiĭ District, Krasnoĭarsk Territory.

11256 PROCTOR, E. E. Planning is a family affair. Washington,U. S. Farmers Home Admin.,1951. 6 p. 1.949 P942
Digest of an address at National Conference of Home Economists of the Farmers Home Administration, Washington, D. C., June 13, 1951.

11257 RIECKEN, H. W. Some problems of consensus development. Rur. Sociol. 17:245-252. Sept.1952. 281.28 R88
In groups.

11258 RURAL SOCIOLOGICAL SOCIETY. SUBCOMMITTEE ON THE DIFFUSION AND ADOPTION OF FARM PRACTICES. Sociological research on the diffusion and adoption of new farm practices; a review of previous research and a statement of hypotheses and needed research. Ky. Agr. Expt. Sta. Dept. Rur. Sociol. RS-2,17 p. Ref. June 1952. 281.29 K41

11259 SEWELL, W. H., and ELLENBOGEN, B. L. Social status and the measured intelligence of small city and rural children. Amer. Sociol. Rev. 17:612-616. Oct. 1952. 280.8 Am37

11260 WAITE, C. Farm tension and mental health. Ontario Milk Prod. 28:107. Oct.1952. 44.8 On8

TRADE, FOREIGN AND INTERNATIONAL

11261 ADLER, J. H., SCHLESINGER, E. R., and VAN WESTERBORG, E. The pattern of United States import trade since 1923; some new index series and their application. New York,Fed. Reserve Bank,1952. 136 p. 252 Ad5

11262 ALCARAZ LUNA, M. 197 millones de pesetas exportadas de almendras y avellanas en 1951. Rev. Sind. de Estadis. 7(26):13-15. Second Q.1952. 263 Es8B
Spain.

11263 ALGERIA. SERV. DES DOUANES. Documents statistiques réunis par l'administration des douanes sur le commerce de l'Algérie, année 1951, commerce extérieur et navigation maritime. Blida,1952. 809 p. 270 AL3D

11264 ANNUAIRE fructidor, 1952. Ed. 17. Paris, 1951? 1736 p. 225 An732
Trade directory.

11265 ANSON, R. G. K. Marketing British marmalade in the U. S. A. Food [London] 21:335-336. Sept. 1952. 389.8 F738

11266 ARE FOREIGN markets for U. S. farm products secure? Amer. Farm Bur. Fed. Off. Newslet. 31(40):3. (Cont.) Oct.6,1952. 280.83 Am3W

11267 BARCELONA. CAMARA OFICIAL DE COMERCIO Y NAVEGACIÓN. Memoria comercial del año 1950, tomo II. Barcelona,1951? 287 B23
Trade statistics.

11268 BECKER, G. S. A note on multi-country trade. Amer. Econ. Rev. 42:558-568. Sept.1952. 280.8 Am32

11269 BLAU, G. Some aspects of international commodity arrangements. Food & Agr. United Nations. Mon. B. Agr. Econ. & Statis. 1(3):7-10. July 1952.
251 F73Mb

11270 BOALS, G. P. The International Wheat Agreement and the world wheat situation. Oreg. Wheat Growers League. Proc. 24:23-27,29-31,33. 1951.
59.9 Ea73

11271 BORGES, V. M., LEMOS, P. DA S., and SILVA, T. H. R. DA. Should we or should we not again import zebus? (In Portuguese.) Soc. Rur. Bras. Rev. 32(378):46-50. July 1952. 9.2 B733

11272 BRENDSTRUP, S. Is it wrong to increase the farm export? (In Danish.) Dansk Landbr. 71:443-444. Sept.11,1952. 280.28 V91

11273 BRITISH COLUMBIA. DEPT. OF TRADE AND INDUSTRY. Report for the year ended December 31st 1951. Victoria,1952. 65 p. 286.9 B77
Includes farm products.

11274 CAIRNS, W. Export prospects for processed milk. Austral. Dept. Com. & Agr. Overseas Trading 5(4):8-10,15. Aug.1952. 286.9 Au7
Australia.

11275 CANADA. BOARD OF GRAIN COMMISSIONERS FOR CANADA. STATISTICS BR. Grain trade of Canada, 1950-51. Ottawa,1952. 130 p. 59.9 C164

11276 CANITANO, D. The critical horticultural situation. (In Italian.) Gior. di Agr. 62:262. Aug.31, 1952. 16 It1G
Italian trade.

11277 COLOMBIA. DIRECCIÓN NACIONAL DE ESTADÍSTICA. Anuario de comercio exterior, Colombia-1950. Bogotá,1952. 766 p. 225.5 C712

11278 COSTA RICA. MINISTERIO DE ECONOMÍA Y HACIENDA. DIRECCIÓN GENERAL DE ESTADÍSTICA Y CENSOS. Estadísticas de comercio exterior por artículos, países, valor en dolares y peso en kilos, año 1951, edición preliminar. San José,1952. 188 p.
254 C82Ec

11279 CREA, V. Economic prospects: agriculture and foreign exchange. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(87):1-3. Oct.15,1952. 281.8 Ag3

11280 CUBA. COMISIÓN NACIONAL DE PROPAGANDA Y DEFENSA DEL TABACO HABANO. Resumen analítico de las exportaciones de tabaco y sus productos durante el año de 1951. Habana,1952. 21 p.
254.8 C8992

11281 EVELY, R. W. A second view. Rev. Internatl. Coop. 45:182-185. Aug./Sept.1952. 280.28 In8B
International commodity agreements.

11282 FAURE, J. C. A. American soybeans in Europe. Soybean Digest 12(11):34,36-38. Sept.1952. 60.38 So9

11283 FIJAVŽ, F. Export of fruit in 1951. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo in Vrtnarstvo 4:4-12. Jan.1952. 21.5 Sa1

11284 FUHRMANN, W. Gemüse und obst in der sozialen marktwirtschaft. Obst u. Gemüse 4:831-833. Sept.4,1952. 286.83 Ob72
German fruit and vegetable trade.

11285 GABEL, W. Lebensmittelgesetz der USA und deutscher export. Zucker- u. Süsswaren-Wirt. 5:678-679. Sept.5,1952. 286.86 Z8

11286 GREEF, DE. Le commerce extérieur de l'Inde orientale. B. Com. Belge 66(8):41-50. Aug.25, 1952. 286.8 B41

11287 GRONCHI, H. J. El comercio exterior argentino; su situación; sus perspectivas. Rev. de Cien. Econ. (ser.3)40(33):49-60. Jan./Feb.1952. 280.8 R3235
Includes data for agricultural products.

11288 HALLOT, R. Les exportations de produits laitiers métropolitains vers les pays d'outre-mer de l'Union Française. Marchés Coloniaux du Monde 8: 2458-2459. Sept.20,1952. 286.8 M33

11289 HAUSSMANN, K. Fehler der einfuhrpolitik; das verhältnis von butter und milch—die ursachen des preisanstiegs. Deut. Milchhandels-Ztg. 74:536. Sept.4, 1952. 44.8 D48

11290 HIRANO, M. Using American soybeans in the Japanese economy. Soybean Digest 12(11):28-29. Sept. 1952. 60.38 So9

11291 HÜSENER, H. Baumwollhafen Bremen. Cotton port Bremen. Bremen,Internationale Verlagsgesellschaft,1951. 132 p. (Bremische Wirtschaft 2)
286.372 H95

11292 INTERNATIONAL WHEAT AGREEMENT. Sales and purchases for crop year 1952-53, report No. 6 (In thousands of bushels). n.p.,1952. 2 p. 280.3599 In8

11293 THE INTERNATIONAL Wheat Agreement. Saskatchewan Econ. Rev. 1(4):1-12. Sept.1952. 280.8 Sa72

11294 JAMAICA. DEPT. OF COMMERCE AND INDUSTRIES. Annual report for the year ended 31st March, 1951. Kingston,1952. 8 p. 254.8 J224
Includes trade of farm products.

11295 KEROUEDAN, M. Importation en Grande-Bretagne de pommes de terre de primeur en provenance d'Algérie. Fruits et Primeurs de l'Afrique du Nord 22:304-306. July/Aug.1952. 80 F9482

11296 KLATZMANN, J. Towards a European agricultural market. (In Italian.) Italia Agr. 89:605-608. Sept.1952. 16 It1

11297 LA MALFA, U. Italian agricultural products go over all the world. (In Italian.) Agricoltura 1(9):11-13. Sept.1952. 16 Ag8226
English summary.

11298 LANCASTER, J. E. Rice for export? Foreign Trade 12(302):2-4. Oct.11,1952. 286.8 C162
Colombia.

11299 LAURSEN, S. Production functions and the theory of international trade. Amer. Econ. Rev. 42:540-557. Sept.1952. 280.8 Am32

11300 LLOYD, A. G. Inter-governmental commodity agreements. Rev. Mktg. & Agr. Econ. 20:122-140. June 1952. 286.8 N47M
Australian-United Kingdom trade.

11301 MARTENS, A. L'économie agricole néerlandaise. I. Exporter pour réduire les prix de revient. Sillon Belge 22(525):1-2. Sept.13,1952. 13 Si3

11302 MEYER-BAHLBURG, W. Deutsches saatgetreide für Spanien. Hannoversche Land- u. Forstwirt. Ztg. 105:798. Aug.9,1952. 18 H194

11303 MULLER, O. Où en est la convention internationale du fromage de Stresa? Indus. Lait. (n.s.) 71:175-176. Aug.1952. 44.8 In2

11304 NEW ZEALAND. CENSUS AND STATISTICS DEPT. External trade 1949 and 1950. Wellington,1952. 64 p. 271.2 N482E

11305 NIGERIA. COCOA MARKETING BOARD. How Nigerian cocoa is exported. London,1951? 18 p. 286.368 N56

11306 PARDO CANALIS, S., ZUBIETA, and MENDICUTE, M. Estudio sobre la exportación de productos agrarios españoles. De Econ. 5(sup.4):231-344. May/June 1952. 280.8 Ec7222

11307 PEARCE, E. T. S. Australia's great benefits from sugar exports and stabilisation of prices. Austral. Sugar J. 44:421,423,425,427,429,431. Sept.15,1952. 65.8 Au7

11308 PUENTE, C. A. DE LA. Política económica algodonera anglo-peruana. Algodon 13:417-419. Aug. 1952. 286.82 AL3

11309 QUEENSLAND. SUGAR BOARD. Agreement between the Minister of Food on behalf of His Majesty's Government in the United Kingdom, of the first part, and the Queensland Sugar Board (and others) on behalf of the sugar industries and exporters in Australia, the British West Indies, Fiji, Mauritius and the Union of South Africa, of the second part. Brisbane? 1951. 4 p. 286.365 Q3

11310 QUINTUS, P. E. Europeans look at American soybeans. Soybean Digest 12(11):24-26. Sept.1952. 60.38 So9

11311 QUINTUS, P. E. How many soybeans can we export? Soybean Digest 12(11):48-49. Sept.1952. 60.38 So9

11312 ROSSITER, F. J. United States agricultural exports are big business. Foreign Agr. 16:151-154. Sept.1952. 1.9 Ec7For

11313 SAMANS. Bundesverband gegen zentralverband; vom rechtsstreit um den Bund Deutscher Eier-Importeure. Eier-, Wild-, Geflugel- u. Honig-Markt 4(111):2. Sept.18,1952. 280.38 Ei3

11314 SAVAGE, Z. Exports of fresh citrus. Citrus Mag. 15(2):20-21. Oct.1952. 80 C498

11315 SCHMIDT, P. Lagerverkehr und generalhandel im aussenhandel der Bundesrepublik Deutschland. Wirt. u. Statis. 4:358-363. Sept.1952. 265 St22

11316 SCHMIDT, W. Bund Deutscher Eier-Importeure. Eier-, Wild-, Geflugel- u. Honig-Markt 4(111):1. Sept.18,1952. 280.38 Ei3

11317 SIERRA LEONE. Trade report for the year 1951. Freetown,1952. 134 p. 270 Si12

11318 SMITH, J. A. A report on the Northwest fruit industry's export market rehabilitation program. Seattle?1952. 11 p. 286.393 Sm6

11319 SOLODOVNIKOV, V. Cotton growing in Latin American countries under the heel of USA cotton trade monopolies. (In Russian.) Khlopkovodstvo 5:74-77. May 1952. 72.8 K522

11320 SOUTHERN RHODESIA. CENTRAL AFRICAN STATISTICAL OFF. Annual statement of the trade of Southern Rhodesia with British countries and foreign countries 1951, compared with the years 1948-1950. Salisbury,1952. 283 p. 270 R3432

11321 SURINAM. ALGEMEEN BUR. VOOR DE STATISTIEK. Handelsstatistiek [Trade statistics] 1951. n.p.,1951. unpaged. 255.6 D952

11322 SWERLING, B. C. Commodity measures for international economic stability. Canad. J. Econ. & Polit. Sci. 18:378-383. Aug.1952. 280.8 C162

11323 TALOUMIS, G. Observations on the European flower market. South. Florist & Nurseryman 65(29):11-13. Oct.10,1952. 80 So86

11324 TANDON, P. L., and VISWANATHAN, T. K. Demand of Indian tobacco in the U. K. market. Indian Tobacco 2:75-76,94. Apr./June 1952. 69.8 In2

11325 THEIS-NIELSEN, V. Import and export regulations in Indonesia. (In Danish.) Denmark. Udenrigsmin. Tidsskr. 33:402-405. July 1,1952. 286.8 D41

11326 TOLEDANO CORROCHANO, J. Más de tres millones y medio de pesetas importan las pieles nacionales de "astrakán" subastadas en ocho años. Rev. Sind. de Estadis. 7(26):19-20. Second Q.1952. 263 Es8B
Spain.

11327 UNITED NATIONS. DEPT. OF ECONOMIC AFFAIRS. STATISTICAL OFF. Yearbook of international trade statistics, 1951. New York,1952. 272 p. 250 Un33

11328 U. S. BUR. OF ANIMAL INDUSTRY. Importation of restricted foreign cured and foreign cooked meat. Washington,1952. 4 p. 1.972 A2Im7

11329 VARELA MARTÍNEZ, R. Comercio internacional de bananos en 1951. Agr. Trop. 8(9):17-20. Sept.1952. 26 Ag8

11330 VILÁ PLA, J. A. Carne argentina por cobre chileno. Pampa Argentina 25(296):5,39. Aug.1952. 9 P19
Chilean-Argentine trade agreement.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

11331 AMERICAN DIETETIC ASSOCIATION. Eating is fun for older people, too, by V. W. Walker, D. A. Sander and R. Frahm. Chicago,1952. 17 p. 389.2 Am34

11332 ARGUELLES VARGAS, F. La alimentación de la clase obrera en Barranquilla. An. de Econ. y Estadis. (ser.3)8(73):35-79. Ref. Jan./Mar.1952. 255.5 An1

11333 ARIMOTO, K. Nutrition in Japan. Nutr. Rev. 10:321-323. Nov.1952. 389.8 N953

11334 AYLWARD, F. An outline of nutrition. 2-3, 5. Brit. Baker 125:273-275,307-309,378-380. Aug.22-29, Sept.12,1952. 389.8 B772

11335 BASNETT, D. T., SCOTT, D. D., and PATTON, M. B. Better nutrition program can be helped by supervision and meal planning in both home and school. Ohio Farm & Home Res. [Ohio Sta.] 37:75,79. Sept./Oct.1952. 100 Oh3S

11336 BETHKE, R. M. Practical implications of new developments in nutrition research. Feedstuffs 24(40): 30-32. Oct.4,1952. 286.81 F322

11337 BLACK, J. A. Dangerous diets. Nutrition 6(3):12-15. Autumn 1952. 389.8 N959

11338 CANADA. MARKETING SERV. CONSUMER SECT. Skim milk powder. Ottawa,1952. 15 p. 389.25 C163Sk

11339 DAVIS, H. M. Children who won't eat. Nutrition 6(3):37-40. Autumn 1952. 389 N959

11340 EGE, R. Kost og ernaering. Kortfattet rationel naeringsmiddellaere [Food and nutrition. Brief simplified nutrition manual]. København,Erichsen,1951. 64 p. 389.1 Eg2

11341 ENIX, J. R., and WALKER, M. Oklahoma pecans, a good food. Okla. Agr. Col. Ext. C. 511,4 p. n.d. 275.29 Ok41C
Chiefly recipes.

11342 GOLDSMITH, G. A., UNGLAUB, W. G., and GIBBENS, J. Recent advances in nutrition and metabolism; review of the literature, 1951. A. M. A. Arch. Int. Med. 90:513-561. Ref. Oct.1952. 448.8 Ar24

11343 GOODHART, R. S., and JOLLIFFE, N. Vitamins and other nutrients in adaptation to stress. Merck Rpt. 61:7-10. Ref. Oct.1952. 396.8 M53M

11344 GREGORY, E., and WILSON, E. C. G. Good nutrition; principles and menus. Ed. 4. Wellington? McIndoe,1952. 144 p. 389.1 G863

11345 GROEN, J. Continued education in nutrition and dietetics for dietitians. (In Dutch.) Voeding 13:356-360. Sept.15,1952. 389.8 V85

11346 GÜNTHER, E. Die bedeutung der vitamine für mensch und tier. Deut. Landwirt. 3:474-480. Sept. 1952. 18 D4822

11347 HALDEN, W. Nutrition in Austria. Canad. Nutr. Notes 8(9):65-66. Sept.1952. 389.9 C168

11348 KEIDAN, S. E. Recent progress in infant feeding. Nutrition 6(3):33-36. Autumn 1952. 389.8 N959

11349 KRAUT, H. Berechnung des nahrungsbedarfs im Bundesgebiet als grundlage einer zu voller volkswirtschaftlicher leistung ausreichenden ernährung. Germany. Land- u. Huaswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 2,13 p. 1951. 18 G312S

11350 LANMAN, J. T. Modern trends in infant nutrition and feeding. Sugar Res. Found. Sci. Rpt. Ser. 14, 96 p. May 1952. 65.9 Su34

11351 MCCAY, C. M. Feeding the aged. Nutr. Observ. 13:48-51. July 1952. 389.8 N955

11352 MACY, I. G. Nutrition and chemical growth in childhood. Volume III. Calculated data. Springfield,Ill., Thomas,1951. p.1463-2174. 389.1 C43

11353 MOSCHETTE, D., and others. Nutritional status of preadolescent boys and girls in selected areas of Louisiana. La. Agr. Expt. Sta. Tech. B. 465,34 p. Ref. May 1952. 100 L93
K. Causey, E. Cheely, M. Dallyn, L. McBryde, and R. Patrick, joint authors.

11354 NATAL UNIVERSITY COLLEGE. DEPT. OF ECONOMICS. Experiment at Edendale: a study of a non-European settlement with special reference to food expenditure and nutrition. Pietermaritzburg,U. Natal Press,1951. 246 p. (Additional Report No. 1 of the Natal Regional Survey) 280.193 N19

11355 NIXON, C. W. Diet in pregnancy. Nutrition 6(3):21-22. Autumn 1952. 389.8 N959

11356 POLLOCK, T. M. Nutrition and tuberculosis. Nutrition 6(3):15-16. Autumn 1952. 389.8 N959

11357 ROCHE, J., UZAN, M., and DAVID, M. Enquetes alimentaires en Tunisie. II. Ville de Sousse 1951. B. Econ. et Social de la Tunisie 67:52-56. Aug.1952. 280.8 B874

11358 ROPER, E. A study of the teaching of nutrition in the public schools. Chicago,Cereal Inst.1951? 44 p. 389.1 R682

11359 ROSSIER, A. L'alimentation carnée en pédiatrie. Ann. de la Nutr. et de l'Aliment. 6:C403-C413. 1952. 389.8 An73
Includes discussion.

11360 SAMPSELL, B. Your town can have a school lunch program. Today's Health 30(10):30-31,62. Oct. 1952. 449.8 H993

11361 SCRIMSHAW, N. S., and SQUIBB, R. L. Agricultural implications of the protein nutrition problem. Turrialba 2:44-46. Apr./June 1952. 8 T86

11362 TANRET, P., and BETOURNE, C. L'alimentation carnée en pathologie rénale. Ann. de la Nutr. et de l'Aliment. 6:C387-C401. Ref. 1952. 389.8 An73
Includes discussion.

11363 TOKYO. NATIONAL INSTITUTE OF NUTRITION. Annual report, 1949-1950. Tokyo,1951. 53 p. 389.9 T573

11364 TRÉMOLIÈRES, J. L'alimentation du tuberculeux; le problème de l'alimentation carnée du tuberculeux. Ann. de la Nutr. et de l'Aliment. 6:C375-C385. Ref. 1952. 389.8 An73

11365 U. S. PRODUCTION AND MARKETING ADMIN. Digest of school lunch program policies and minimum operating requirements. Atlanta,1952. 3 p. 1.956 F732D56

11366 U. S. PRODUCTION AND MARKETING ADMIN. Guide for estimating amounts of fruits and vegetables to be canned for school lunch programs. Rev. Washington, 1951. 2 p. 1.956 A2G94

11367 WALSH, M. J. Problems of the aging. Mod. Nutr. 5(9):4-6. Sept.1952. 389.9 Am352

11368 WEBSTER, A. P. Caloric requirement of man in cold climates: theoretical considerations. J. Appl. Physiol. 5:134-142. Sept.1952. 447.8 J825

11369 WEST, H. L. Georgia "school lunch" workshop. Ala. Tuskegee Inst. Serv. 17(3):7-9. Oct.1952. 280.8 Se62

FOOD HABITS

11370 BONSMA, H. Food and eating habits through the ages. Woman & Her Home 4:151,164. July 1952. 321.8 W843

11371 GLOSTER, H. M. The Englishman's food. Housecraft 25:146,154,160. Aug.1952. 321.8 H817

NUTRITIVE AND VITAMIN CONTENT

11372 AUERSWALD, W. Was soll der molkereifachmann von den vitaminen wissen? II. Österr. Milchwirt. 7:230-232. Aug.21,1952. 44.8 Os72

11373 AUERSWALD, W. Was soll der molkereifachmann von den vitaminen wissen? III. Österr. Milchwirt. 7:260-261. Sept.21,1952. 44.8 Os72

11374 CHANDA, R. The partition of carotenoids and vitamin A in the milk of cows and goats throughout lactation. (Sum.) Biochem. J. 52:ii. Sept.1952. 382 B52

11375 COSSETTE, R. Valeur nutritive du lait. Foyer Rur. [Montreal] 11(11):8. Sept.1952. 7 F83

11376 CRAVIOTO, O. Y., and others. Comparacion del valor nutritivo de la tortilla, pan y harina de trigo. Ciencia 12:19-22. Ref. 1952. 475 C48

F. de M. Figueroa, R. O. Cravioto, and G. Massieu H., joint authors.

English summary.

11377 DERRICK, E. H. Riboflavin, calories and beer. Austral. J. Sci. 15:32-33. Aug.1952. 475 Au72

11378 EVANS, R. J., and others. Changes in content of nutrients in shell eggs during storage. IV. Biotin, folic acid and vitamin B_{12}. (Abs.) Poultry Sci. 31:915. Sept. 1952. 47.8 Am33P

J. A. Davidson, D. Bauer, and H. A. Butts, joint authors.

11379 EVANS, R. J., DAVIDSON, J. A., and BUTTS, H. A. The pantothenic acid content of fresh and stored shell eggs. Poultry Sci. 31:777-780. Ref. Sept.1952. 47.8 Am33P

11380 FINCKE, A. Über den gehalt süsser und bitterer mandeln, haselnuss-, erdnuss- und aprikosenkerne an vitamin B_1. Zucker- u. Süsswaren-Wirt. 5:513-514. July 5,1952. 286.86 Z8

11381 FLACCOMIO, E. One day a week on fresh fruit alone. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(82):7. Sept.27,1952. 281.8 Ag3

Nutritive value.

11382 FOOD SCIENCE RESEARCH ASSOCIATION, TOKYO. Eiyo shokuryo suchi yoran, saishin kijun [Standard tables of the nutritive value of food]. Tokyo, Yuzan Kaku,1951. 194 p. 389.1 F737

11383 GUNDERSON, F. L. 100 years and more of food fortification. 2. What's New Home Econ. 16(12):52-53,140,142,144. Oct.1952. 321.8 W55

11384 IOÏRISH, N. P. Give honey to children. (In Russian.) Pchelovodstvo 29(2):51-52. Feb.1952. 424.8 P295

11385 JACQUOT, R., and FERRANDO, R. Les caractéristiques alimentaires de la viande. Ann. de la Nutr. et de l'Aliment. 6:C275-C351. Ref. 1952. 389.8 An73

Includes discussion.

11386 KRYLOVA, N., and PAL'MIN, V. On the nutritive value of [meat] broth cubes. (In Russian.) Mîâsnaîâ Indus. SSSR. 23(4):75-78. July/Aug.1952. 50.8 M58

11387 KUHN, R. Vitamine der milch. Angew. Chem. 64:493-500. Sept.21,1952. 384 Z33

English summary.

11388 LAVOLLAY, J. La banane, sa composition chimique envisagée du point de vue alimentaire. Fruits 7:365-370. Aug./Sept.1952. 80 F9492

11389 MARESCH, S. Warum gemüse? Landwirtschaft 17/18:271-273. Sept.1952. 19 L235

Nutritive value.

11390 MILLER, L. A. How enrichment improved public health in Newfoundland. What's New Home Econ. 16(12):60-61,144. Oct.1952. 321.8 W55

Flour.

11391 OLLIVER, M. Food processing. (Sum.) Nutrition 6(3):20-21. Autumn 1952. 389.8 N959

Effects on nutritive value.

11392 REIG FELIU, A. Retención de vitamina C en el jugo de naranja, desaireado y pasteurizado, durante el almacenaje a varias temperaturas. Spain. Inst. Nac. de Invest. Agron. B. 12:151-165. Ref. June 1952. 105.6 Sp14

English summary.

11393 RHEIN, R. Comment bébé, avec le sucre marche vers la mort. Gaz. Apic. 53:216-217. July 1952. 424.8 G25

11394 ROSENBERG, H. R., and ROHDENBURG, E. L. The fortification of bread with lysine. II. The nutritional value of fortified bread. Arch. Biochem. & Biophys. 37: 161-168. 1952. 381 Ar2

11395 ROTTER, R., and others. Untersuchungen über den gehalt an vitamin C und β-carotin in früchten. Z. f. Lebensmtl.-Untersuch.u. -Forsch. 95:89-100. Aug. 1952. 384 Z39

H. Lohwag, H. Neumayer, and L. Holik, joint authors.

11396 SEELIG, R. A. Fresh fruits and vegetables pack a big nutritional punch. Fruit Teleg. 6(3):5,7-8. Fall 1952. 280.38 F942

11397 SILVA, E. Milk in nutrition. (In Portuguese.) Coop. Cent. das Prod. de Leite B. da C. C. P. L. 5:249. Aug.1952. 44.8 B634

Nutritive value.

11398 SURE, B. Influence of lysine, valine and threonine additions on the efficiency of the proteins of whole wheat. Arch. Biochem. & Biophys. 39:463-464. Aug.1952. 381 Ar2

11399 TALLARICO, G. Epoch of hope for the health of men. (In Italian.) Gior. di Agr. 62:259-260. Aug.31, 1952. 16 It1G

Nutritive value of grapes.

11400 TALLARICO, G. The triumphant fruit of the vine arrives at the door of autumn. (In Italian.) Agricoltura 1(8):23-25. Aug.1952. 16 Ag8226

Nutritive value.

11401 THOMAS, G. C. Background of the U. S. enrichment program. Nowest. Miller 248(18):9,29. Oct.28,1952. 298.8 N81

11402 TOKYO. NATIONAL INSTITUTE OF NUTRITION. Shinpan shokuhin eiyo-ka yoran [A new handbook of nutrition values of various foods]. Tokyo,Daiichi Shuppan Kabushiki Gaisha,1951. 280 p. 389.1 T57

11403 VAL'TER, L. IA., NEMETS, S. M., and SINIAKOVA, Z. M. Vitamin content in canned fish products. (In Russian.) Rybnoe Khoz. 28(5):56-59. May 1952. 414.8 R962

11404 VISCO, S. Hidden treasure in a bunch of grapes. (In Italian.) Agricoltura 1(9):14-17. Sept. 1952. 16 Ag8226

English summary.

Nutritive value.

11405 ZELLER, A. Uber die spezifische bestimmung der ascorbinsäure. Z. f. Vitamin-, Hormon- u. Fermentforsch. 5:1-10. Ref. 1952. 384 Z324

English summary.

In plants and fruit.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

11406 AUSTRIA. BUNDESPRESSEDIENST. Österreichisches jahrbuch, 23, 1951. Wien,1952. 503 p. 266 Au72A
Contains chapter on agriculture and forestry.

11407 BIGNELL, J. T. Recent developments in rabbit poisoning. Tasmania. Dept. Agr. Tasmanian J. Agr. 23: 223-225. Aug.1952. 23 T182T

11408 BRITISH COLUMBIA RESEARCH COUNCIL. Seventh annual report, 1950—1951. Point Grey,1951. 40 p. 330.9 B772
Includes agriculture and forestry.

11409 BRYAN, L. L. The army that travels on its stomach. Natl. Grange Mon. 49(10):20-21,46. Oct.1952. 6 N215
Farm pests—insects, plant and animal diseases, and weeds.

11410 CALIFORNIA. AGRICULTURAL EXPERIMENT STATION. Agricultural publications. Supplement. Berkeley?1952. 6 p.-folder. 100 C12Li

11411 CALIFORNIA. DEPT. OF AGRICULTURE. BUR. OF CHEMISTRY. Economic poisons 1951-52. Calif. Dept. Agr. Spec. P. 246,123 p. 1952. 2 C121S
Analysis

11412 CALIFORNIA. DEPT. OF AGRICULTURE. Thirty-second annual report, period ending December 31, 1951. Sacramento,1952. 2 C12M

11413 CANADA. DEPT. OF AGRICULTURE. Report for the year ended March 31, 1952. Ottawa,1952. 117 p. 7 C16R

11414 CEYLON. DEPT. OF AGRICULTURE. Administration report for 1951. Colombo,1952. 189 p. 22.5 C33R

11415 COSTA RICA. MINISTERIO DE AGRICULTURA E INDUSTRIAS. Memoria, 1951. San Jose,1952. 280 p. 8 C828

11416 COSTA RICA. MINISTERIO DE AGRICULTURA E INDUSTRIAS. Memoria correspondiente al año 1950. San Jose,1951. 314 p. 8 C828

11417 DOMINICAN REPUBLIC. SECRETARIA DE AGRICULTURA, PECUARIA Y COLONIZACION. Almanaque agricola de la Republica Dominicana. San Cristobal,1951. 80 p. 8 D715

11418 DYSSEGÄRD, A. Intoxication with dicoumarin and its derivatives. Nord. Vetmed. 4:962-982. Ref. Oct. 1952. 41.8 N813
In rat control.

11419 FABREGAS, H. Poisons on the farm: avoid accidents with poisonous products. (In Portuguese.) Rev. dos Criadores 23(7):58-59. July 1952. 43.8 R32

11420 GILLOGLY, L. R. Studies of warfarin rat poison. Calif. Dept. Agr. B. 41:139-143. July/Sept. 1952. 2 C12M

11421 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Crop Protection Products Approval Scheme. Approved list 1952. Harpenden,1952. 13 p. 225 G792

11422 GREEN, J. L. Factors affecting production. Hawkesburg Agr. Col. J. 49:103-105. July 31,1952. 276.8 H31

11423 HÜTER, F. Über einige nagetiergifte vom fluoressigsäure-typ. Anz. f. Schädlingsk. 25:137-140. Ref. Sept.1952. 421 An9

11424 INTERNATIONAL UNION FOR THE PROTECTION OF NATURE. Proceedings and papers of the technical meeting, held at The Hague, 20, 21 and 22 September 1951. Brussels,1952. 105 p. 279.9 In84PT

11425 JARRELL, T. D., comp. Lists of publications and patents, Bureau of Agricultural and Industrial Chemistry, 1950/51. U. S. D. A. Agr. Inform. B. 93,43 p. July 1952. 1 Ag84Ab

11426 JOHANNESBURG. UNIVERSITY OF THE WITWATERSRAND. UNIVERSITY FIELD RESEARCH STATION, FRANKENWALD. Annual report, 1951. Johannesburg,1952. 88 p. 24 J59

11427 JONES, J. C. Controlling cottontails. Pest Control 20(10):32,34,68. Oct.1952. 449.8 Ex8

11428 KALMBACH, E. R. How to control crows. Pest Control 20(10):13-14,78,80. Oct.1952. 449.8 Ex8

11429 LANCUM, F. H. Game birds and agriculture. Gt. Brit. Min. Agr. Agriculture 59:287-289. Sept.1952. 10 G79J
Benefits to agriculture in Great Britain.

11430 MADRAS. DEPT. OF AGRICULTURE. Administration reports of subordinate officers for 1949-50. Madras,1951. 782 p. 22 M26Re

11431 MIELLER, H. Erfahrungsbericht über die Hamburger sperlingsbekämpfung. Anz. f. Schädlingsk. 25:132-133. Sept.1952. 421 An9

11432 MILLER, J. R. How to get rid of rats. Poultry Tribune 58(11):46-48. Nov.1952. 47.8 P8642
On the farm.

11433 MONTANA ACADEMY OF SCIENCES. Proceedings, eleventh annual meeting, Missoula, Montana, 1951. Missoula,1952. 60 p. 500 M762

11434 MONTANA ACADEMY OF SCIENCES. Proceedings, ninth annual meeting, Bozeman, Montana,1949; tenth annual meeting, Butte, Montana, 1950. Missoula, 1951. 67,128 p. 500 M762

11435 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Annual report 1950-1951. Sydney,1952. 68 p. 23 N47A

11436 NORTH DAKOTA. STATE LABORATORIES DEPT. Commerical feeds, commercial fertilizers, economic poisons, 1951 report. N. Dak. State Lab. Dept. B. 98,70 p. July 1952. 389.9 N814
Analyses.

11437 NORTHERN RHODESIA. DEPT. OF AGRICULTURE. Annual report for the year 1951. Lusaka, 1952. 27 p. 24 R343

11438 NUZHDIN, N. I. Darwin and Michurinite biology. (In Russian.) Priroda 41(5):7-20. May 1952. 410 P933

11439 ONTARIO. DEPT. OF LAND AND FORESTS. Report for the fiscal year ending March 31, 1951. Toronto,1952. 164 p. 253.6 L23

11440 POPE, E. G. A most deadly poison—1080 in coyote control. Sheep & Goat Raiser 32(12):24-25. Sept. 1952. 45.8 Sh3

11441 PRETTEJOHN, H. M. If we want more red meat we must have fewer rabbits. Dairy Farmer [Ipswich] 25(10):20. Oct.1952. 44.8 D1414
Rabbits as pests in Great Britain.

11442 RODRIGUEZ ESCRIBENS, M. Apuntes para la historia de la quimica agricola en el Perú; cincuentenario de la Escuela Nacional de Agricultura. Agronomia [Lima] 17(70):78-84. July 1952. 9.8 Ag83

11443 SATO, S. Noyaku pocket book (A pocket handbook of agricultural chemicals). Tokyo,Sangyo Tosho Kabushiki Gaisha,1951. 225 p. 395 Sa8N
Economic poisons.

11444 SCHULZE, O. Pflanzenschutz und schädlingsbekämpfung. Landwarenkaufmann 15:1. In Ernährungsdienst 7(56). May 17,1952. 389.8 Er62
Uses of various economic poisons in Germany.

11445 SCHUMY, V. Drei jahrzehnte österreichische agrarpolitik. Wien,Allgemeine Verband für das Landwirtschaftliche Genossenschaftswesen in Österreich,1951. 19 p. 281.177 Sch8

11446 SOCIETY FOR EXPERIMENTAL BIOLOGY. Structural aspects of cell physiology. New York, Academic Press,1952. 357 p. Ref. (Its Symposia VI) 442.9 So15

11447 SOVESHCHANIE PO PROBLEME ZHIVOGO VESHCHESTVA I RAZVITIÍA KLETOK. MOSCOW, 1950. Stenograficheskii otchet [Conference on the problem of living matter and cell development]. Moskva, Akademiía Nauk SSSR,1951. 178 p. 442 So8

11448 SRB, A. M., and OWEN, R. D. General genetics. San Francisco,Freeman,1952. 561 p. 443 Sr1

11449 STORER, T. I. Controlling rats and mice. Calif. Agr. Expt. Sta. C. 410,36 p. Ref. Mar.1952. 100 C12S
Formerly Extension Circular 142.

11450 TRAPPMANN, W. Vereinheitlichung und kennzeichnung der chemischen pflanzenschutzmittel. Nachrbl. des Deut. Pflanzenschutzdienstes 4:71-74. May 1952. 442.9 B832

11451 TRAVANCORE-COCHIN GOVERNMENT. AGRICULTURE DEPT. Administration report for the year 1950—51. Ernakulam,1952. 50 p. 22 T69

11452 VAN HORN, M. C. Processing and labelling pesticides. Fla. State Hort. Soc. Proc. 63:99-102. 1950, pub.1951. 81 F66

11453 WERY, G. Agenda aide-memoire agricole et viticole pour 1952, revised by P. Tissot. Paris,Bailliere, 1952. 293 p. 30.3 Ag3

HISTORY AND BIOGRAPHY

11454 AARFLOT, M. Sivert Aarflot og hans samtid [Sivert Aarflot and his contemporaries]. Volda,Aarflot, 1951. 159 p. 119 Aa7
Includes agriculture.

11455 BROADHEAD, B. G. Great farmers. IV. Robert Bakewell (1725-1795). Rur. Educ. B. 7:105-107. Aug.1952. 109 C162

11456 CHANNON, H. J. Sir Jack Drummond. Chem. & Indus. 37:905-906. Sept.13,1952. 382 M31C

11457 CULLINAN, F. P. Eugene Curtis Auchter, 1889-1952. Plant Physiol. 27:v-vi. Oct.1952. 450 P692

11458 FEDOROV, M. V. In memoriam Professor N. N. Khudfakov. (In Russian.) Mikrobiologiîa 21:608-610. Sept./Oct.1952. 448.3 M582

11459 FOKEEV, P. I. Outstanding scientist-meliorator. (In Russian.) Priroda 41(5):60-62. May 1952. 410 P933
Alekseĭ Nikolaevich Kostfakov.

11460 FRANKLIN, T. B. A history of Scottish farming. London,1952. 194 p. Ref. (Nelson's Agriculture Series) 30.9 F85

11461 GAUHAROU, C. Armand Durand et l'elevage algérien. Elevage et Cult. 4(45):12. Sept.1952. 24 EL2

11462 GOLITSYN, fA. S. I. N. Klingen (1851-1922). (In Russian.) Pchelovodstvo 29(2):54-55. Feb.1952. 424.8 P295

11463 HAMPEL, E. H. An agricultural review of the past 35 years. So. Austral. Dept. Agr. J. 56:35,38. Aug. 1952. 23 So84

11464 HARVEY, N. Sir Richard Weston and the new farming; the story of a pioneer. Gt. Brit. Min. Agr. Agriculture 59:284-286. Sept.1952. 10 G79J

11465 HAWKES, J. H. A land. New York,Random House,1951. 248 p. 278.171 H31
Includes agricultural history and settlement in Great Britain.

11466 HENDERSON, H. C. K. Agriculture in England and Wales in 1801. Geog. J. 118:338-345. Sept.1952. 472 G29

11467 HERBERT, D. A. Cyril Tenison White. Queensland Nat. 14:43-47. Jan.1951. 410 Q3

11468 HEUSSER, H. Prof. Dr. Oskar Bürgi. Schweiz. Arch. f. Tierheilk. 94:599-603. Oct.1952. 41.8 Sch9

11469 HILF, H. H. Johannes Liese zum gedächtnis. Forstarchiv 23:165-168. Sept.15,1952. 99.8 F7723
Includes list of his publications.

11470 JONES, T. B. Ancient Mesopotamian agriculture. Agr. Hist. 26:46-52. Ref. Apr.1952. 30.98 Ag8

11471 KAITERA, P. Iivo Artturi Hallakorpi. 3.9. 1873-5.10. 1951. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:46-54. 1952. 20 Su7M
Includes list of his publications.

11472 KALUGIN, V. I. Outstanding Soviet veterinary scientist, D. S. Ruzhenfsev (1880-1947) (to the 5th anniversary of his death). (In Russian.) Veterinariîa 29(7): 61-63. July 1952. 41.8 V6426

11473 KRUIDHOF, A. Van het groot in het klein [The great in the small]. Wageningen,Veenman,1952. 17 p. 30.9 K93
Agricultural history.

11474 LEDOVSKAfA, I. V. A Session [of the Division of History and Philosophy of the Academy of Sciences of U.S.S.R.] on the history of agriculture of U.S.S.R. (In Russian.) Sovet. Agron. 10(8):93-96. Aug.1952. 20 So84

11475 LIEBERMANN, J. Francisco P. Moreno, precursor argentino en el centenario de su nacimiento. Pampa Argentina 25(296):12,27. Aug.1952. 9 P19

11476 LIEFTINCK, M. A. Karel Willem Dammerman (1885-1951). Treubia 21:469-480. Aug.1,1952. 410 T72
Includes a list of his publications.

11477 LINDEMANS, P. Geschiedenis van de landbouw in België [History of agriculture in Belgium], pt. 1. Antwerpen,De Sikkel,1952. 472 p. 30.9 L64

11478 LLANO, G. A. Heinrich Sandstede (1859-1951). Mycologia 44:709-715. Sept./Oct.1952. 450 M99
Includes list of his publications.

11479 MORGENTHALER, O. Dr. Robert Burri, Liebefeld-Bern 13th June 1867 - 16th May 1952. Bee World 33:169-172. Oct.1952. 424.8 B399
Includes a list of his publications.

11480 MUNZ, P. A. Frank W. Peirson. Aliso 2: 339-340. Aug.31,1952. 450 AL4

11481 PÉREZ ESTRADA, T. El Dr. Karl Thieme. Ceiba 3:152-153. Oct.1,1952. 475 C32
With note by P. C. Standley.

11482 PHILIPPINE REPUBLIC. BUR. OF AGRICULTURE. GOLDEN JUBILEE COMMITTEE. A half century of Philippine agriculture, written by men of the Bureau of Agriculture and its successors, the Bureau of Plant Industry, the Bureau of Animal Industry and the Fiber Inspection Service. Manila, Graphic House,1952. 463 p. 37 P533

11483 PLACE, R. The first farmers; the new stone age. Brit. Hist. Background Book 4:99-124. 1951. 30.9 P69

11484 POZZO ARDIZZI, L. Panorama agropecuario argentino hace un cuarto de siglo. Pampa Argentina 25(295):20-21. July 1952. 9 P19

11485 RODGERS, A. D., III. Erwin Frink Smith; a story of North American plant pathology. Amer. Philos. Soc. Mem. 31,675 p. 1952. 500 P533M

11486 RUDAKOV, B. I. Khristofor Ivanovich Gel'man (To the 60th anniversary of his death). (In Russian.) Veterinariîa 29(7):60-61. July 1952. 41.8 V6426

11487 SAALAS, U. Ivar Trägardh. (In Finnish.) Suomen Hyönteistieteellinen Aikakausk. 17:89-92. 1951. 421 Su7
English summary.

11488 SAALAS, U. Karl Escherich. (In Finnish.) Suomen Hyönteistieteellinen Aikakausk. 17:129-133. 1951. 421 Su7
German summary.

11489 SAUER, C. O. Agricultural origins and dispersals. New York,Amer. Geog. Soc.,1952. 110 p. Ref. (Bowman Memorial Lectures. Series 2) 30.9 Sa82

11490 SCHMID, G. Ein deutscher gärtner schuf die blumen-Riviera. Tech. f. Bauern u. Gärt. Ausg. G 4:374-375. Aug.25,1952. 58.8 T223G
Ludwig Winter.

11491 SOREAU, E. L'agriculture du XVIIe siècle à la fin du XVIIIe. Paris,de Boccard,1952. 454 p. Ref. (Savoy, E. L'agriculture à travers les ages, v. 4). 30.9 Sa9

11492 SOUTH AFRICA. STATE INFORMATION OFF. Van Riebeeck pioneered agriculture. Pretoria,1951. 5 p. (Its Agriculture: General, 5) 35.3 So84

11493 SUOMALAINEN, E. Enzio Reuter. (In Finnish.) Suomen Hyönteistieteellinen Aikakausk. 17:49-51. 1951. 421 Su7

11494 TEIXEIRA, A. J. S. Robert L. Pendleton, agronomist and soil scientist of the Tropics. (In Portuguese.) Gaz. do Agr. 4:142-146. Ref. June 1952. 24 G25

11495 THOMAS, W. Warren B. Mack. Plant Physiol. 27:839-841. Oct.1952. 450 P692

11496 VALLE, K. J. Paavo Niemela. (In Finnish.) Suomen Hyönteistieteellinen Aikakausk. 17:134-136. 1951. 421 Su7
German summary.

11497 VASUDEVA, R. S. Dr. William McRae, C. I. E. Nature [London] 170:561. Oct.4,1952. 472 N21

11498 VEGTER, and others. Prof. Dr. G. Krediet in memoriam. (In Dutch.) Tijdschr. v. Diergeneesk. 77: 774-784. Nov.1,1952. 41.8 T431
J. A. Beijers, W. H. Schultze and H. A. Meijling, joint authors.
Includes list of his publications.

11499 WEINRYB, B. D. Middle Eastern agriculture in the inter-war years. Agr. Hist. 26:52-59. Ref. Apr. 1952. 30.98 Ag8

HOME MANAGEMENT

11500 ARMSTRONG, O. Pattern alteration. Okla. Agr. Col. Ext. C. 327,rev.,23 p. May 1952. 275.29 Ok41C

11501 FURRY, M. S. The laundering of white nylon. Washington,U. S. Ext. Serv.,1952. 4 p. 1.982 T2F982
Presented at annual meeting of the American Home Economics Association, Atlantic City, June 27, 1952.

11502 KNOCH, R. E. Selecting school boys' clothes W. Va. Agr. Col. Ext. Good Living Ser. 19(11),8 p. n.d. 275.29 W522G

11503 LINN, A. New ways to get and give clothing information. Ext. Serv. Rev. 23:162. Sept.1952. 1 Ex892Ex

11504 MCIVER, J. Color in your outfit. N. C. Agr. Col. Ext. Misc. P. 139,4 p. Apr.1952. 275.29 N811M

11505 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. How much laundry disinfectant? Washington,1952. 1 p. 1.982 A2H836

11506 U. S. EXTENSION SERV. Buying women's street dresses (man-made fibers and cotton), by A. Linn. Washington,1952. 6 p. 1.913 H4B98

11507 U. S. EXTENSION SERV. Home aspects and relationships of farm and home planning, by M. A. Rokahr. Washington,1952. 9 p. 1.913 H3H754
Paper at Southern Regional Conference, Farm and Home Planning, Biloxi, May 26-31, 1952.

11508 U. S. EXTENSION SERV. Notes from clothing specialists' discussion on June 27, 1952 at the Conference on Consumer Education in Clothing. Washington, 1952. 2 p. 1.913 C3C762

11509 U. S. EXTENSION SERV. Summary of replies on home management specialists meetings during Outlook Conference Week (summary), by M. Rokahr. Washington,1952. 6 p. 1.913 H4Su62

INTERNATIONAL RELATIONS

11510 BARTON, G. S. H. Food for the hungry. Country Guide 71(10):7,46-48. Oct.1952. 7 G76
Development and achievements of the Food and Agriculture Organization of the United Nations.

11511 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Constitution, rules and regulations; Acte constitutif et règlements; Constitucion y reglamentos. Rome,1952. 90 p. 389.9 F735Cr

11512 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. CONFERENCE. Verbatim record of plenary meetings of the sixth session of the conference held in Rome, Italy, 19 November-December 1951. Rome,1952. 220 p. 389.9 F735V

11513 MILLER, R. Note on the nineteenth meeting of the Committee on Commodity Problems of the Food and Agriculture Organization. World Agr. 1:1-9. Aug.1952. 6 W893

11514 PAN AMERICAN UNION. DIV. OF CONFERENCES AND ORGANIZATIONS. Agreement between the OAS and the Food and Agriculture Organization of the United Nations, signed at the Pan American Union, Washington, D. C., May 2, 1952 in Spanish, French, and English. Washington,1952. 17 p. 150.91 Ag84

METEOROLOGY

11515 BEAUMONT, R. T. Report of the first year's analysis of cloud-seeding in north central Oregon. Oreg. Wheat Growers League. Proc. 24:133,135,137,139, 141,143,145,147,149. 1951. 59.9 Ea73

11516 BOWEN, E. G. Australian experiments in artificial rainmaking. (Sum.) Amer. Met. Soc. B. 33:244-246. June 1952. 340.8 Am32

11517 DALE, I. R. Is East Africa drying up? East African Agr. J. 17:116-118. Jan.1952. 24 Ea74

11518 DAVIES, D. A. Artificial stimulation of rainfall. So. African J. Sci. 49:45-48. Sept.1952. 515 So84

11519 GRUSHKO, S. S. Prirodno-èkonomicheskie usloviîâ i osnovnoe napravlenie sel'skokhozîâ̂stvennogo proizvodstva raîona, respubliki [Natural-economic conditions and fundamental trend of agricultural production of a district, and of the [Moldavian] Republic]. Kishinev, Gos. Izd-vo Moldavii,1951. 58 p. (V Pomoshch' Agrotekhnicheskim Trekhletnim Kursam. 1st, tema 4) 345 G92
Climatic observations chiefly.

11520 GYSEL, A. Afghanistan — klima und landschaft. (Sum.) Bern. Natforsch. Gesell. Mitt. (n.s.)9: XXXVI-XXXVII. 1952. 508 B45

11521 HALPERIN, J. E. Tailor-made weather on tap! Crops & Soils 5(2):18-19. Nov.1952. 6 W55
Results of research at Phytotron, a laboratory in Earhart Plant Research Laboratory of California Institute of Technology.

11522 JOHNSON, W. O. Forecasting the weather for Florida agriculture. Fla. State Hort. Soc. Proc. 64:19-24. 1951,pub.1952. 81 F66

11523 NAKAHARA, M. Nogyo to kisho kankyo [Agriculture and climatic environment]. Tokyo,Tennen Sha, 1952. 198 p. 346 N14

11524 RUI, D. Long range rays for hail control. (In Italian.) Informatore Agr. 8:169. Aug.28,1952. 281.8 In32
Italy.

11525 ZÜGE, F. Bauernregeln und hundertjähriger kalender als wetterpropheten. Urania 15:287-292. Aug. 1952. 474 Ur1

RESEARCH

11526 BERDYEV, T. B. Status and prospects of scientific investigations in the area of the Principal Turkmenian Canal. (In Russian.) Akad. Nauk SSSR. Vest. 22(7):7-17. July 1952. 511 Ak14V
Includes agriculture.

11527 CARDON, P. V. Community participation in research: a way toward permanence in agriculture. Tex. Res. Found. Hoblitzelle Agr. Lab. Spec. Ser. 2,10 p. July 1952. 330.9 T312

11528 DIRECCION de Estaciones Experimentales (sintesis de su labor en 50 años de República). Rev. de Agr. [Habana] 35:56-77. Nov.1951/June 1952. 8 Ag88Re

11529 EMERY, G. A. Industry's contribution towards agricultural research. X. The Murphy Chemical Company. World Crops 4:353-356. Oct.1952. 281.8 W892

11530 FALDINI, J. D. Los laboratorios regionales de investigación agrícola en los EE. UU. Cien. e Invest. 8:348-356. Aug.1952. 475 C482

11531 FORSTER, H. C. A review of programmes for agricultural research in Australia. (Abs.) Austral. J. Sci. 15:19. Aug.1952. 475 Au72

11532 GUATEMALA. INSTITUTO AGROPECUARIO NACIONAL. Trabajos llevados a cabo durante el periodo: julio 1 a diciembre 31, 1951. n.p.1952? 61 p. 102 G932T
Research.

11533 HURT, B. C., JR. Newly established Branch Station studies Pontotoc Ridge-Flatwood problems. Miss. Farm Res. [Miss. Sta.] 15(9):6. Sept.1952. 10 M69Mi

11534 ISELY, D. The Arkansas Agricultural Experiment Station system. Ark. Farm Res. 1(3):8. Fall 1952. 100 Ar42F

11535 KONSTANTINOV, P. N. Osnovy sel'skokhozîâ̂stvennogo opytnogo dela [Principles of agricultural experimentation]. Moskva,Gos. Izd-vo Selkhoz Lit-ry, 1952. 446 p. 106 K83

11536 KUYKENDALL, R. Coastal Plain Station has projects in five fields important to area. Miss. Farm Res. [Miss. Sta.] 15(9):6-7. Sept.1952. 100 M69Mi

11537 LUNDELL, C. L. Some hopeful trends in agricultural development. n.p.,1952? 9 p. 31.3 L97S

11538 MILLOT, J. La recherche scientifique à Madagascar. Cahiers Franç. d'Inform. 211:9-13. Sept. 1,1952. 280.8 C11
Agricultural research.

11539 MÜLLER-LENHARTZ, W. H. O. Die fortschritte der landwirtschaftswissenschaft unter dem einflusse der entwicklung der naturwissenschaften. Leipzig,Geest & Portig,1951. 33 p. 30 M91

11540 ONTARIO AGRICULTURAL COLLEGE AND EXPERIMENTAL FARM. Seventy-sixth annual report, 1951. Guelph,1952. 113 p. 101 On8

11541 ORGANIZATION FOR SCIENTIFIC RESEARCH. Bogor Scientific Centre. Organ. Sci. Res. B. 12,35 p. July 1952. 330.9 Or3B

11542 PETITHUGUENIN, P. Les instituts autonomes de recherches et leur role dans le développement de l'agriculture d'Outre-Mer. Rev. Gén. du Caoutchouc 29: 626,628. Sept.1952. 305.8 R32
English summary, p. 666.

11543 SAO PAULO. INSTITUTO AGRONOMICO. Pesquisas e trabalhos experimentais em andamento, 1950. Research and experimental work in progress. Campinas, 1951. 155p. 9.2 Sa64P

11544 SLATER, SIR W. Science and an expanding agriculture. Nature [London] 170:432-436. Sept.13,1952. 472 N21

11545 SOUVIGNY, FRANCE. FERME DE MAISONETTE, CENTRE D'EXPERIMENTATION ET D'ENSEIGNEMENT. [Annual report] 1951. Blois,Direction des Services Agricoles de Loir-et-Cher,1952. 69 p. 105.3 So8

11546 TROKHIMOVSKIĬ, V. A. Regional conference of scientific-research institutions in the Central Black-Earth Area. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 3:79-81. Mar.1952. 20 D742

11547 TSEDIK-TOMASHEVICH, Z. F., and NECHIPORENKO, N. A. In regard to results of the work of scientific institutions in agriculture for 1951. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 5:84-86. May 1952. 20 D742

STATISTICS

11548 FERRARI, A. Prontuario per l'agricoltore modenese [Ready-reckoner for Modena agriculture]. Modena,Società Tipografica Modenese,1951. 2 v. 33.19 F412

11549 INSTITUT INTERNATIONAL DE STATISTIQUE. Compte rendu de la 26e session Berne 1949. Inst. Internatl. de Statis. B. 32(1),190 p. 1952. 251 In7B

11550 MARTIN, L. Probits normaux classiques et probits relatifs à la répartition triangulaire. Inst. Agron. et Sta. de Rech. de Gembloux. B. 19:364-386. Ref. 1951. 105.1 G285

11551 ODERFELD, J. Mathematical statistics in the service of production. (In Polish.) Studia i Prace Statys. 2:60-70. 1951. 251.8 St9
English summary.
Includes agricultural production.

11552 RAO, C. R. Advanced statistical methods in biometric research. New York,1952. 390 p. (Wiley Publications in Statistics) 325 R182

11553 SUKHATME, P. V. Random sampling for improvement of agricultural statistics. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 1(1):2-6. May 1952. 251 F73Mb

11554 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Some experimental designs useful for exploratory research in underdeveloped areas, by H. Hopp. Washington,1952. 23 p. 1.943 So53

11555 VARONA TRIGUEROS, J. Matemáticas y sus aplicaciones agrícolas. Barcelona,1952. 575 p. (Colección Agrícola Salvat) 325 V43

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Handbooks

ROE, A. L. Growth of selectively cut ponderosa pine [Pinus ponderosa] stands in the Upper Columbia Basin. U. S. D. A. Agr. Handb. 39,29 p. Ref. Aug.1952. 1 Ag84Ah

OLSEN, B. F., and SCOTT, E. H. Canning in glass jars in community canning centers. U. S. D. A. Agr. Handb. 44,29 p. July 1952. 1 Ag84Ah
Supplements U. S. Miscellaneous Publication 544.

Agricultural Information Bulletins

U. S. FOREST SERV. Highlights in the history of forest conservation. U. S. D. A. Agr. Inform. B. 83, 23 p. Aug.1952. 1 Ag84Ab

GARLOCK, F. L., and others. The balance sheet of agriculture, 1952. U. S. D. A. Agr. Inform. B. 90,35 p. July 1952. 1 Ag84Ab
A. S. Tostlebe, L. A. Jones, and R. W. Bierman, joint authors.

JARRELL, T. D., comp. Lists of publications and patents, Bureau of Agricultural and Industrial Chemistry, 1950/51. U. S. D. A. Agr. Inform. B. 93,43 p. July 1952. 1 Ag84Ab

Agricultural Monographs

METCALF, J. E. The agricultural economy of Indonesia. U. S. D. A. Agr. Monog. 15,100 p. Ref. July 1952. 1 Ag84Am

Circulars

RUSSELL, E. E. Stink bugs [Pentatomidae] on seed alfalfa in southern Arizona. U. S. D. A. C. 903,19 p. July 1952. 1 Ag84C

BAILEY, W. R. Economics of sugar-beet mechanization in California. U. S. D. A. C. 907,48 p. Aug.1952. 1 Ag84C

Farmers' Bulletins

BEATTIE, W. R. Hotbeds and coldframes. U. S. D. A. Farmers' B. 1743,slightly rev.,28 p. Aug. 1952. 1 Ag84F

DUDLEY, J. E., JR., LANDIS, B. J., and SHANDS, W. A. Control of potato insects. U. S. D. A. Farmers' B. 2040,52 p. July 1952. 1 Ag84F

Leaflets

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Control of the alfalfa caterpillar [Colias philodice eurytheme]. U. S. D. A. L. 325,5 p. 1952. 1 Ag84L
Supersedes Farmers' Bulletin 1094.

Marketing Research Reports

MCCALLISTER, K. J., POATS, F. J., and JONES, M. W. Retail market news as an aid in marketing; a study of opportunities for making further use of retail market news as an aid in the marketing of food products. U. S. D. A. Mktg. Res. Rpt. 19,92 p. May 1952. 1 Ag84Mr

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. The agricultural production job. Washington,1952. 15 p. 1.90 A2Ag84

U. S. DEPT. OF AGRICULTURE. How the farm program works. Washington,1952. 17 p. 1.90 A2H83

U. S. DEPT. OF AGRICULTURE. Lists of measures for reporting flood prevention activities. Washington,1952. 11 p. 1.90 A2L692

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

PLANCK, R. W., PACK, F. C., and SKAU, D. B., comp. Abstract bibliography of the chemistry and technology of tung products, 1875 - 1950, v. 3-4. U. S. Bur. Agr. & Indus. Chem. AIC-317. 2 v. 1952. 1.932 A2Ag82

AGRICULTURAL ECONOMICS, BUREAU OF

AGRICULTURAL finance review 14(sup.),38 p. May 1952. 1.9 Ec78Af

U. S. BUR. OF AGRICULTURAL ECONOMICS. Animal units of livestock fed annually, 1909-10 to 1951-52. U. S. Bur. Agr. Econ. F. M. 96,8 p. Aug.1952. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer fruit and juice purchases, Apr.-June 1952, by regions and type of retail outlet. Washington,1952. 61 p. 1.941 M3R26
U. S. Production and Marketing Administration cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production practices; labor, power and materials, by operation. Section 2. Corn Belt and Lake States. U. S. Bur. Agr. Econ. F.M.92,234 p. June 1952. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Stocks of hops, September 1, 1952. Washington,1952. 1 p. 1.941 S8H77

U. S. BUR. OF AGRICULTURAL ECONOMICS. Variability of corn yields by counties in the United States, by R. R. Botts and E. L. Barber. Washington,1952. 54 p. 1.941 H2M28

ANIMAL INDUSTRY, BUREAU OF

U. S. BUR. OF ANIMAL INDUSTRY. Changes in the National Poultry Improvement Plan recommended by official delegates at the 1952 National Plans Conference and approved by the Bureau of Animal Industry. Washington,1952. 10 p. 1.972 A2R293

U. S. BUR. OF ANIMAL INDUSTRY. Chickens in NPIP hatchery supply flocks and their distribution by States and varieties, 1941-42, 1950-51 and 1951-52. U. S. Bur. Anim. Indus. A. H. D. 69,rev.,4 p. Sept.1952. 1.9 An52AH

U. S. BUR. OF ANIMAL INDUSTRY. Directory of the Bureau of Animal Industry. Rev. Washington,1952. 67 p. 1.917 A2D631

U. S. BUR. OF ANIMAL INDUSTRY. Foot-and-Mouth Disease Research Laboratory. Washington? 1952? 3 p. 1.972 Z2F73

U. S. BUR. OF ANIMAL INDUSTRY. Importation of restricted foreign cured and foreign cooked meat. Washington,1952. 4 p. 1.972 A2Im7

U. S. BUR. OF ANIMAL INDUSTRY. Meat inspection service; summary of activities fiscal year 1952. Washington,1952. 13 p. 1.9 An537An

U. S. BUR. OF ANIMAL INDUSTRY. Regulations governing the meat inspection of the United States Department of Agriculture. Edition of June 1952. Washington,1952. 209 p. 1 An52Reg

U. S. BUR. OF ANIMAL INDUSTRY. Statistical tables showing progress of the eradication of tuberculosis in livestock and brucellosis in cattle in the United States. Washington,1952. 11 p. 1.9 An533Stm

COMMODITY CREDIT CORPORATION

U. S. COMMODITY CREDIT CORPORATION. USDA grain storage structure specifications. Washington, 1952. 4 p. 1.957 Un32

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

ARNETT, R. H., JR. Notes on Lyctidae (Coleoptera). U. S. Bur. Ent. & Plant Quar. E-844,4 p. Aug.1952. 1.9 En83

GERSDORFF, W. A., MITLIN, N., and NELSON, R. H. The relative toxicity to house flies [Musca domestica] of endrin and isodrin in kerosene sprays. U. S. Bur. Ent. & Plant Quar. E-843,4 p. Aug.1952. 1.9 En83

SAILER, R. I. A technique for rearing certain Hemiptera. U. S. Bur. Ent. & Plant Quar. ET-303,5 p. Sept.1952. 1.9 En83Et

SHOTWELL, R. L. Tests with sprays for controlling grasshoppers on farm lands in North Dakota and Texas, 1950-51. U. S. Bur. Ent. & Plant Quar. E-845,21 p. Sept.1952. 1.9 En83

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Bibliography of the pink bollworm [Pectinophora gossypiella]. Washington,1952. 23 p. 1.967 C4B47

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The clover mite Bryobia praetiosa (Koch). Washington,1952. 1 p. 1.967 A2C62

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Controlling ants in the home. Washington,1952. 2 p. 1.967 A2C764

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Directory of the Bureau of Entomology and Plant Quarantine. Washington?1952? 87 p. 1.9 En86Di

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Gypsy moth [Porthetria dispar] and brown-tail moth [Nygmia phaeorrhoea]. U. S. Bur. Ent. & Plant Quar. B. E. P. Q.-Q. 45(amend.),6 p. Aug.9,1952. 1 F31

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Japanese beetle [Popillia japonica] shippers guide. Washington?1952. 37 p. 1.967 J2J27

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of Jamaica, British West Indies. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 547,rev.,4 p. Aug.20,1952. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Protection against mosquitoes in mountain recreational camps. U. S. Bur. Ent. & Plant Quar. EC-26,8 p.-folder. Sept.1952. 1.967 A2Ec1

EXTENSION SERVICE

COMBS, W. B. Grain marketing in the Western States. Washington,U. S. Ext. Serv.,1952. 7 p. 1.913 A2C732

Prepared for use at Western States Extension Marketing Conference at Utah Agricultural College, Logan, Sept. 29 to Oct. 3, 1952.

CONFERENCE OF EXTENSION HEALTH EDUCATION SPECIALISTS, DENVER, 1952. Summary. The road to better rural health. Washington,U. S. Ext. Serv., 1952. 38 p. 1.913 C3H34

FANNING, J. W. Where are we in this beef cattle business? Washington,U. S. Ext. Serv.,1952. 6 p. 1.913 M2W57

Talk at a Short Course on Beef Cattle Production held by the Division of Animal Husbandry of the Georgia College of Agriculture, July 17 and 18, 1952.

JONES, L. I. A cotton educational program. Washington,U. S. Ext. Serv.,1952. 7 p. 1.913 A2J722

Talk before the Cotton Research Congress, Houston, June 19, 1952.

ROBINSON, J. L. Extension programs on farmers' cooperatives. Washington,U. S. Ext. Serv., 1952. 3 p. 1.955 A2R562

Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

ROKAHR, M. A. Interchange between research and education programs. Washington,U. S. Ext. Serv., 1952. 3 p. 1.913 H3R63

Talk at Conference on Areas of Research, Family Economics, Home Management Division, American Home Economics Association, Columbus, June 19, 1952.

U. S. EXTENSION SERV. Aids for observance National 4-H Achievement Day, November 8, 1952. Washington,1952. 8 p. 1.913 F3Ac4

U. S. EXTENSION SERV. Buying women's street dresses (man-made fibers and cotton), by A. Linn. Washington,1952. 6 p. 1.913 H4B98

U. S. EXTENSION SERV. Federal health legislation, by E. J. Niederfrank. Washington,1952. 2 p. 1.913 A2F312

U. S. EXTENSION SERV. A 4-H report to the Nation, 1951. Theme: Working together for world understanding, by G. L. Warren. Washington,1951. 28 p. 1.913 F3F8225

U. S. EXTENSION SERV. Home aspects and relationships of farm and home planning, by M. A. Rokahr. Washington,1952. 9 p. 1.913 H3H754

Paper at Southern Regional Conference, Farm and Home Planning, Biloxi, May 26-31, 1952.

U. S. EXTENSION SERV. Notes from clothing specialists' discussion on June 27, 1952 at the Conference on Consumer Education in Clothing. Washington, 1952. 2 p. 1.913 C3C762

U. S. EXTENSION SERV. Number of extension workers. Washington,1952. 1 p. 1.913 A2N91

U. S. EXTENSION SERV. Outline for course paper on program development, by J. L. Matthews. Washington,1952. 2 p. 1.913 S2Ou87

U. S. EXTENSION SERV. Outline of in-service training course in extension teaching methods. Washington,1952. 22 p. 1.913 S2Ou83

U. S. EXTENSION SERV. State publications on Christmas trees, by A. M. Sowder. Washington,1952. 1 p. 1.913 F2St22

U. S. EXTENSION SERV. A suggested outline for teaching principles of retail pricing; fresh fruits and vegetables. Washington,1952. 5 p. 1.913 F2Su36

U. S. EXTENSION SERV. Summary of replies on home management specialists meetings during Outlook Conference Week (summary), by M. Rokahr. Washington,1952. 6 p. 1.913 H4Su62

FARM CREDIT ADMINISTRATION

U. S. FARM CREDIT ADMIN. Farm mortgages recorded, 1951. Washington,1952. 22 p. 1.955 A2F228

U. S. FARM CREDIT ADMIN. Publication on agricultural cooperation. U. S. Farm Credit Admin. C. A-23,rev.,29 p. July 1952. 166.2 C4922

U. S. FARM CREDIT ADMIN. Risk problems of production credit associations. U. S. Farm Credit Admin. CR-5,68 p. Jan.1952. 1 F223B

FARMERS HOME ADMINISTRATION

PROCTOR, E. E. Planning is a family affair. Washington,U. S. Farmers Home Admin.,1951. 6 p. 1.949 P942

Digest of an address at National Conference of Home Economists of the Farmers Home Administration, Washington, D. C., June 13, 1951.

U. S. FARMERS HOME ADMIN. Farmers Home Administration. Washington,1952? 2 p. 1.949 F224

U. S. FARMERS HOME ADMIN. A planning guide for family living. Rev. Washington?1952. 2 p. 1.949 P694

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Some experimental designs useful for exploratory research in underdeveloped areas, by H. Hopp. Washington,1952. 23 p. 1.943 So53

WHITAKER, F. H. Cotton situation in Syria. U. S. Off. Foreign Agr. Relat. Foreign Agr. C. FC-8-52, 19 p. Sept.16,1952. 1.943 F7626

FOREST SERVICE

BRENDER, E. V., and NELSON, T. C. Reestablishing pine on Piedmont cut-over land. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 18,8 p. Aug. 1952. 1.9622 S4St2

MCGINNIES, W. G. Conservation during the present emergency; forestry. Washington? U. S. Forest Serv.,1951. 10 p. 1.9622 R2M17
Paper presented Nov. 14, 1951, at the Soil Conservation Society meeting in Memphis, Tenn.

RUDOLF, P. P. Low temperature seed storage for western conifers. U. S. Forest Serv. Lake States Forest Expt. Sta. Misc. Rpt. 20,8 p. July 17,1952. 1.9622 L2M68

U. S. FOREST SERV. Forest Service films available on loan for educational purposes to schools, civic groups, churches, television, 1952-53. Washington, 1952. 14 p. 1 F76Fsf

U. S. FOREST SERV. Special uses on the national forests. Washington,1952. 2 p. 1.962 A2Sp3

U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Forest statistics of eastern Kentucky. U. S. Forest Serv. Cent. States Forest Expt. Sta. Forest Survey Release 12,19 p. July 1952. 1.9622 C3F76

U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Forest statistics of Kentucky. U. S. Forest Serv. Cent. States Forest Expt. Sta. Forest Survey Release 13,39 p. Sept.1952. 1.9622 C3F76

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Deschutes National Forest. Washington,1952. map. 1 F769Des
Illustrations and text on back of map.

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Progress in snowmelt investigations at the Fraser Experimental Forest, Colorado. Report 2. Denver,1951. 80 p. Ref. 1.9622 R2P942

WICKLUND, H. T. Rotor type fire line trencher. U. S. Forest Serv. E. D. Rpt. 17,12 p. July 1952. 1.962 A2Eq5

WRAY, R. D., and BANKS, W. G. Forest statistics for western Maryland. U. S. Forest Serv. Noeast. Forest Expt. Sta. Forest Statis. Ser. Md. 1,20 p. June 1952. 1.9622 N2F767

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

FURRY, M. S. The laundering of white nylon. Washington,U. S. Ext. Serv.,1952. 4 p. 1.982 T2F982
Presented at annual meeting of the American Home Economics Association, Atlantic City, June 27, 1952.

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. How much laundry disinfectant? Washington,1952. 1 p. 1.982 A2H836

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. How to make a spending plan; suggestions for single Government women in Washington, D. C. Washington,1952. 20 p. 1.982 A2H835

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Attending the Grassland Congress, by W. M. Meyers, D. Haidari, W. G. Carlson, and J. Towers. Washington,Aug.23,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The first official hog grades, by H. E. Reed and J. Towers. Washington,Sept.13,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The pink bollworm [Pectinophora gossypiella] fight, by R. W. Harned and J. Towers. Washington, Sept.20,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Seven ways to greater egg profit, by W. D. Termohlen and B. Crom. Washington,Aug.20,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Sixth International Grassland Congress, by H. R. Albrecht, F. T. Whalen, C. P. McMeekan, and others. Washington,Aug.23,1952. 4 p. 1.914 R2R11

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

LUTZ, J. M., and others. Influence of pads and car lining on potato transit temperatures, East Grand Forks, Minn. to Chicago, Ill., January, 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 274,7 p. Apr.30,1952. 1.9 P772Ht
W. H. Redit, R. E. Hardenburg, and H. Findlen, joint authors.

POULSON, E. N., and others. Soil survey, King County, Washington. U. S. Bur. Plant Indus., Soils, & Agr. Engin. Soil Survey 1938(31),106 p. Ref. Sept. 1952. 1 So32F
J. T. Miller, R. H. Fowler, and R. D. Flannery, joint authors.

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Bibliography of literature on the release and fixation of native and fixed nonexchangeable potassium and ammonium of soils and silicate minerals, by R. F. Reitemeier. Beltsville,Md., 1952. 27 p. 1.965 S2B47

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The National Onion-Breeding Program, 1951; seventh annual report to cooperators. Beltsville,1952. 111 p. 1.965 F41V21

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Transplanting and care of ornamental trees and shrubs. Beltsville,Md.,1952. 8 p. 1.965 A2T68

PRODUCTION AND MARKETING ADMINISTRATION

RHODES, F. M. Service and research activities of the Cotton Branch. Washington,U. S. Prod. & Mktg. Admin.,1952. 12 p. 1.956 A21R34
Address before the Ninth Spinner-Breeder Conference at Stoneville, Miss., Sept. 2, 1952.

U. S. PRODUCTION AND MARKETING ADMIN. Benton Harbor cash market fruit & vegetable summary, 1951 season, by J. H. Selby. Benton Harbor,1951. 4 p. 1.9 Ec741L
Michigan Department of Agriculture, Bureau of Marketing & Enforcement cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Brief review of South Florida snap bean season of 1950-51. Belle Glade,1951. 16 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Brief summary of marketing North Carolina potatoes, by T. R. Butts. Washington,N. C.,1952. 6 p. 1.9 Ec741L
North Carolina State Department of Agriculture, Division of Markets cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Conditioning and storage of seed cotton with special reference to mechanically harvested cotton, by Z. M. Looney and C. C. Speakes. Washington,1952. 38 p. 1.956 C82C75
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Digest of school lunch program policies and minimum operating requirements. Atlanta,1952. 3 p. 1.956 F732D56

U. S. PRODUCTION AND MARKETING ADMIN. Edible tree nuts; U. S. production and farm price, 1926 to date. Washington,1951. 1 p. 1.956 A2Ed4

U. S. PRODUCTION AND MARKETING ADMIN. The fertilizer situation for 1952-53; preliminary. Washington,1952. 5 p. 1.9424 M2F41

U. S. PRODUCTION AND MARKETING ADMIN. A general review of the marketing and distribution of Mississippi vegetables, by W. H. Cosper. Jackson,1952. 12 p. 1.9 Ec741L
Mississippi State Central Market Board cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Guide for estimating amounts of fruits and vegetables to be canned for school lunch programs. Rev. Washington. 1951. 2 p. 1.956 A2G94

U. S. PRODUCTION AND MARKETING ADMIN. In-plant chlorination in poultry dressing plants, by M. A. Howe, Jr., and H. E. Goresline. Washington,1952? 5 p. 1.956 P86In7

U. S. PRODUCTION AND MARKETING ADMIN. Light air-cured tobacco market review, 1951 crop. I. Type 31—burley. Washington,1952. 28 p. 1.9 Ec714T

U. S. PRODUCTION AND MARKETING ADMIN. Louisiana strawberry summary for the 1952 season, by R. B. Johnson. Baton Rouge,1952. 7 p. 1.9 Ec741L
Louisiana State Market Commission cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Louisiana sweet potatoes; brief summary of 1950-51 season, by E. D. Miller. New Orleans,1951. 3 p. 1.9 Ec741L
Louisiana State Market Commission cooperating.

U. S. PRODCUTION AND MARKETING ADMIN. Maine potatoes, season 1951-52. Presque Isle,1952. 24 p. 1.9 Ec741L
Maine Department of Agriculture, Division of Markets cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Appalachian Maryland, Pennsylvania, Virginia, West Virginia apples, season 1951, by H. S. Stiles. Martinsburg,W. Va.,1952? 26 p. 1.9 Ec741L

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Arkansas peaches, brief review of the 1951 season. Little Rock,1952? 3 p. 1.9 Ec741L

U. S. PRODUCTION AND MARKETING ADMIN. Marketing California asparagus, by A. M. McDowell and F. R. Mallory. San Francisco,1952. 33 p. 1.9 Ec741L
California Department of Agriculture, Bureau of Market News cooperating.
Also similar reports on marketing Imperial Valley carrots, cauliflower, celery, California-Arizona citrus, grapes—wine and raisin, Salinas-Watsonville-Hollister lettuce, Imperial Valley lettuce, Imperial Valley melons, central California melons, onions, Kern district Early Long white potatoes, strawberries, and tomatoes. Reports issued from various places in California.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Florida and Georgia watermelons, 1952 season, by C. J. Ritter. Moultrie,1952. 7 p. 1.9 Ec741L
Georgia State Department of Agriculture cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Florida citrus, summary of 1950-51 season, by H. F. Willson. Lakeland,1951. 52 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Florida potatoes - 1952 season. Hastings, 1952. 8 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Georgia peaches, by J. H. Selby. n.p.,1952? 20 p. 1.9 Ec741L

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Idaho potatoes, season of 1951-1952, by A. Henry. Idaho Falls,1952. 16 p. 1.9 Ec741L
Idaho Department of Agriculture cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Long Island vegetables—lima beans, brussels sprouts, cauliflower, cucumbers; summary for 1951 season, by J. M. Roberts. Riverhead,Long Island,N. Y., 1951. 24 p. 1.9 Ec741L
New York State Department of Agriculture and Markets, Bureau of Markets cooperating.
Also a similar report on marketing potatoes.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Northwestern apples, season 1950, by C. D. Sherman. Yakima,1952. 31 p. 1.9 Ec741L
Washington State Department of Agriculture cooperating.
Also similar reports on marketing cherries & apricots, pears, and plums.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Northwestern potatoes, summary of the 1951-52 season, Oregon, Washington, Idaho, by C. J. Hansen. Portland,Oreg.,1952. 25 p. 1.9 Ec741L
Also a similar report on marketing onions.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing of nondrying industrial fats and oils as affected by processing methods, by M. W. Sills. Washington,1952. 44 p. 1.956 F26M342

U. S. PRODUCTION AND MARKETING ADMIN. Marketing South Carolina peaches, summary of 1952 season, by J. P. Capus. Spartanburg,1952. 12 p. 1.9 Ec741L
Clemson College Extension Service, Division of Markets cooperating.
Similar reports on marketing potatoes and watermelons.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Texas citrus, Lower Rio Grande Valley of Texas, summary of 1950-51 season, by R. E. Winfrey. Weslaco,1951. 21 p. 1.9 Ec741L
Also reports on marketing Texas cabbage, carrots, onions, spinach, tomatoes, and vegetables.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing the Michigan potato crop, 1950 season, by J. H. Selby. n.p.,1951? 7 p. 1.9 Ec741L
Michigan Department of Agriculture, Bureau of Marketing & Enforcement cooperating.
Also similar reports on marketing peaches, onions, celery, and strawberries.

U. S. PRODUCTION AND MARKETING ADMIN Marketing western and central New York apples, by A. L. Thomas. Rochester,1952. 15 p. 1.9 Ec741L
New York State Department of Agriculture and Markets, Bureau of Markets cooperating.
Also similar reports on marketing cabbage, carrots, celery, onions, peaches, pears, potatoes, and tomatoes.

U. S. PRODUCTION AND MARKETING ADMIN. Materials-handling equipment and methods in egg assembly plants, by F. P. Delle Donne and N. G. Paulhus. Washington,1952. 3 p. 1.956 M343M41
Paper at meeting of Poultry Science Association, Aug. 13, 1952, Storrs, Conn.

U. S. PRODUCTION AND MARKETING ADMIN Measurement data for proposed market grades of wool; results of testing for fineness, variability, and staple length. Washington,1952. 8 p. 1.956 L75M46

U. S. PRODUCTION AND MARKETING ADMIN. The national farm program: what it aims at and how it works. Washington,1952. 7 p. 1.956 A2N218

U. S. PRODUCTION AND MARKETING ADMIN. 1951 California deciduous tree fruits; interstate shipments, by A. M. McDowell and F. R. Mallory. San Francisco,1952. 98 p. 1.9 Ec741L
California Department of Agriculture, Bureau of Market News cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Peach summary for the North Carolina Sandhills, 1952 season, by R. R. Zoller. Southern Pines,1952. 7 p. 1.9 Ec741L
North Carolina State Department of Agriculture, Division of Markets cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Report of tests on transportation of frozen poultry with mechanically refrigerated trucks; an interim report, by H. D. Johnson and M. V. Gerrity. Washington,1952. 21 p. 1.956 M343R9

U. S. PRODUCTION AND MARKETING ADMIN. Review of the 1952 celery season, by T. R. Butts. Sanford,1952. 7 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Safe farm grain by fumigation. Washington,1952. 2 p. 1.956 A2Sa1

U. S. PRODUCTION AND MARKETING ADMIN. Smear remover space guide for power meat saws, by D. L. Anderson, P. F. Shaffer, and E. M. Harwell. Washington,1952. 2 p. 1.956 M343Sm3

U. S. PRODUCTION AND MARKETING ADMIN. Study of egg assembly facilities, by N. G. Paulhus and F. P. Delle Donne. Washington,1952. 8 p. 1.956 M343St9
Paper at meeting of Poultry Science Association, Aug. 13, 1952, Storrs, Conn.

U. S. PRODUCTION AND MARKETING ADMIN. Sugar programs of 1950. Washington,1951. 8 p. 1 Su3

U. S. PRODUCTION AND MARKETING ADMIN Summary of 1952 potato season. Foley,Ala.,1952. 3 p. 1.9 Ec741L
Alabama Department of Agriculture and Industry cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Summary of State and regional cold storage holdings for 1950. Washington,1951. 42 p. 1.956 M34Su62

U. S. PRODUCTION AND MARKETING ADMIN. Tennessee strawberry summary for the 1952 season. Humboldt,1952. 3 p. 1.9 Ec741L
Tennessee Department of Agriculture, Division of Markets cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. The transportation and handling of grain by motortruck in the Southwest, by W. J. Hudson and E. K. Henschen. Washington,1952. 65 p. 1.956 M343T68

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned cream style corn. Washington,1952. 10 p. 1.956 A2Un329
Supersedes standards in effect since December 1, 1932.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned plums. Washington,1952. 14 p. 1.942 F5P73
Supersedes standards in effect since August 15, 1946.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen lima beans. Washington,1952. 9 p. 1.942 V32L62
Supersedes standards in effect since May 30, 1952.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen whole kernel (or whole grain) corn. Washington,1952. 9 p. 1.942 V5C81
Supersedes standards in effect since April 15, 1944.

U. S. PRODUCTION AND MARKETING ADMIN. Variation in quantity of fibreboard used in master containers for prepackaged tomatoes, by B. C. Robertson and W. A. Aronow. Washington,1952. 7 p. 1.956 F94V42

U. S. PRODUCTION AND MARKETING ADMIN. Vegetable price summary for southern Florida, 1951-1952 season, by R. R. Zoller. Belle Glade,1952. 31 p. 1.9 Ec741L
Florida State Marketing Bureau cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Va.-Md. E. Shore Irish potatoes, season 1951, by S. Russell. Onley,Va.,1951. 9 p. 1.9 Ec741L
Virginia Department of Agriculture and Maryland Department of Markets cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. NEVADA STATE PMA COMMITTEE. Annual report of 1951 agricultural conservation and related programs in Nevada. Reno,1952? 35 p. 1.42 W52An

WALSH, R. M. Have we over-expanded soybean processing capacity. Washington,U. S. Prod. & Mktg. Admin.,1952. 8 p. 1.941 A2W16
Paper presented at the 32 Annual Convention of the American Soybean Association, Lafayette, Sept. 9-11, 1952.

RURAL ELECTRIFICATION ADMINISTRATION

RAUSHENBERGER, E. J. The application of internal combustion generating units in the rural electrification program. Washington,U. S. Rur. Electrif. Admin., 1952. 7 p. 1.933 R19
Presented at the Oil & Gas Power Conference, Buffalo, June 26,1952 of the American Society of Mechanical Engineers.

U. S. RURAL ELECTRIFICATION ADMIN. Basic agricultural statistics for Georgia. Washington? 1952. 5 p. 1.933 B294

U. S. RURAL ELECTRIFICATION ADMIN. REA specifications for fused type telephone station protectors. U. S. Rur. Electrif. Admin. REA Specif. PE-11,6 p. Jan.1952. 1.933 Sp38

U. S. RURAL ELECTRIFICATION ADMIN. REA specifications for guy strain insulators. U. S. Rur. Electrif. Admin. REA Specif. D-12,1 p. Apr.1951. 1.933 Sp37

U. S. RURAL ELECTRIFICATION ADMIN. REA specifications for service wireholders. U. S. Rur. Electrif. Admin. REA Specif. D-15,2 p. Nov.1951. 1.933 Sp37

U. S. RURAL ELECTRIFICATION ADMIN. REA standard for herbicides for rural power systems. U. S. Rur. Electrif. Admin. REA Specif. C-2,1 p. Feb. 1952. 1.933 Sp36

U. S. RURAL ELECTRIFICATION ADMIN. REA standard for radio influence voltage limits for 14.4/24.9 kv insulators and apparatus. U. S. Rur. Electrif. Admin. REA Specif. D-11,1 p. Apr.1951. 1.933 Sp37

U. S. RURAL ELECTRIFICATION ADMIN. What electric farming can do for your rural electric co-op; figure for yourself. Preliminary. Washington, 1952. 15 p. 1.933 W555

WICKARD, C. R. Background and objectives of new REA organization. Washington,U. S. Rur. Electrif. Admin.,1952. 4 p. 1.91 A2W63
Address at NRECA regional meeting, Madison, Sept. 11, 1952, at Lincoln, Sept. 15, 1952, and at Bedford, Pa., Sept. 22, 1952.

SECRETARY, OFFICE OF

BRANNAN, C. F. Grass: nature's benediction. Washington,U. S. D. A.,Off. Sec.,1952. 5 p. 1.91 A2B73
Talk to Sixth International Grassland Congress, State College, Pa., Aug. 18, 1952.

U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Background information regarding watershed programs of the USDA. Washington,1952. 6 p. 1.91 A2B12

SOIL CONSERVATION SERVICE

GEE, C. W. The soil that went to town. U. S. Soil Conserv. Serv. IC-8,21 p. n.d. 1.9605 In32

HENDRICKSON, B. H. Recent trials with rescue grass [Bromus catharticus]. Washington? U. S. Soil Conserv. Serv. South. Piedmont Conserv. Expt. Sta., 1952. 3 p. 1.96 Ad6He
Talk at meeting of the Georgia Section, American Society of Agronomy and Soil Science Society, Athens, Jan. 22, 1952.

SALTER, R. M. The engineer's job in developing America's agricultural capacity to produce. Washington,U. S. Soil Conserv. Serv.,1952. 9 p. 1.965 A2Sa3
Talk, American Society of Agricultural Engineers' soil and water program, Centennial of Engineering Convocation, Chicago, Sept. 9, 1952.

U. S. SOIL CONSERVATION SERV. Physical land conditions affecting use, conservation, and management of land resources, Jefferson County, Kansas, by R. W. Eikleberry, C. L. Fly, and H. E. Myers. Manhattan,1952. 22 p. 1.96 L22Ph
Kansas Agricultural Experiment Station cooperating.

U. S. SOIL CONSERVATION SERV. Physical land conditions affecting use, conservation, and management of land resources, Pottawatomie County, Kansas, by R. W. Eikleberry, C. L. Fly, and H. E. Myers. Manhattan,1952. 21 p. 1.96 L22Ph
Kansas Agricultural Experiment Station cooperating.

U. S. SOIL CONSERVATION SERV. Physical land conditions affecting use, conservation, and management of land resources, Shawnee County, Kansas, by R. W. Eikleberry, C. L. Fly, and H. E. Myers. Manhattan,1952. 19 p. 1.96 L22Ph
Kansas Agricultural Experiment Station cooperating.

U. S. SOIL CONSERVATION SERV. Physical land conditions affecting use, conservation, and management of land resources Wabaunsee County, Kansas, by R. W. Eikleberry, C. L. Fly, and H. E. Myers. Manhattan,1952. 18 p. 1.96 L22Ph
Kansas Agricultural Experiment Station cooperating.

U. S. SOIL CONSERVATION SERV. Soil conservation districts; status of organization, by States, approximate acreage, and farms in organized districts. Washington,1952. 62 p. 1.96 R27Sc

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arkansas Agricultural Experiment Station, Fayetteville

ARKANSAS. AGRICULTURAL EXPERIMENT STATION. 1951 agricultural statistics for Arkansas. Ark. Agr. Expt. Sta. Rpt. Ser. 35,48 p. Aug.1952. 100 Ar42R
U. S. Bureau of Agricultural Economics cooperating.

ARKANSAS farm research 1(3),8 p. Fall 1952. 100 Ar42F

California Agricultural Experiment Station, Berkeley

LOVE, R. M., and SUMNER, D. C. Rose clover, a new winter legume. Calif. Agr. Expt. Sta. C. 407,11 p. Mar.1952. 100 C12S

MARR, J. C. The border method of irrigation. Calif. Agr. Expt. Sta. C. 408,23 p. Mar.1952. 100 C12S

JOHNSTON, J. C. Citrus fruit for the home orchard. Calif. Agr. Expt. Sta. C. 409,14 p. Apr.1952. 100 C12S

STORER, T. I. Controlling rats and mice. Calif. Agr. Expt. Sta. C. 410,36 p. Ref. Mar.1952. 100 C12S
Formerly Extension Circular 142.

SMITH, F. L., and DAVIS, L. L. Silage, silage crops and silos. Calif. Agr. Expt. Sta. C. 411,27 p. Apr. 1952. 100 C12S

HESSE, C. O. Apricot culture in California. Calif. Agr. Expt. Sta. C. 412,various pagings. Apr.1952. 100 C12S

CALIFORNIA. AGRICULTURAL EXPERIMENT STATION. Agricultural publications. Supplement. Berkeley?1952. 6 p.-folder. 100 C12Li

CALIFORNIA agriculture 6(8),16 p.; 6(9),16 p. Aug.-Sept.1952. 100 C12Cag

Connecticut (State) Agricultural Experiment Station, New Haven

JACOBSON, H. G. M. Substitutes for stable manure in commercial vegetable farming. Conn. (State) Agr. Expt. Sta. B. 560,10 p. July 1952. 100 C76St

Colorado Agricultural Experiment Station, Fort Collins

FARM and home research 3(2),17 p. July/Aug.1952. 100 C712Co

Florida Agricultural Experiment Station, Gainesville

GRIFFITHS, J. T., and THOMPSON, W. L. Grasshoppers in citrus groves. Fla. Agr. Expt. Sta. B. 496,26 p. Ref. June 1952. 100 F66S

GREENE, R. E. L., JOHNSON, J. M., and BARNES, R. C. Grade qualities of potatoes in selected retail stores in Pittsburgh, Pennsylvania, 1950. South. Coop. Ser. B. 24,79 p. June 1952. 100 G29So

Georgia Agricultural Experiment Station, Experiment

TAYLOR, C. C. Cucumbers: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 51,17 p. June 1952. 100 G29M

TAYLOR, C. C. Cabbage: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 52,23 p. June 1952. 100 G29M

TAYLOR, C. C. Onions: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 55,18 p. Aug.1952. 100 G29M

Hawaii Agricultural Experiment Station, Honolulu

POOLE, C. F. Seedling improvement in sweet potato. Hawaii. Agr. Expt. Sta. Tech. B. 17,16 p. Aug.1952. 100 H313T

Illinois Agricultural Experiment Station, Urbana

MOSHER, M. L., and WEST, V. I. Why some farms earn so much more than others. Ill. Agr. Expt. Sta. B. 558,40 p. Aug.1952. 100 IL6S

Indiana Agricultural Experiment Station, Lafayette

QUACKENBUSH, F. W., and others. Inspection of commercial feeding stuffs. Ind. Agr. Expt. Sta. C. 384,68 p. Apr.1952. 100 In2P

PROBST, A. H., and CUTLER, G. H. Blackhawk soybeans for Indiana. Ind. Agr. Expt. Sta. C. 385, 11 p. July 1952. 100 In2P

HILL, D. L., and LUNDQUIST, N. S. Milk production from pasture. Ind. Agr. Expt. Sta. C. 386, 7 p. July 1952. 100 In2P

Iowa Agricultural Experiment Station, Ames

DUMENIL, L. Nitrogen fertilizers for corn. Iowa. Agr. Expt. Sta. B. P114:833-855. July 1952. 100 Io9

BURROUGHS, W., and others. Grass silage, chopped cornstalks and various supplemental feeds for wintering yearling steers. Iowa. Agr. Expt. Sta. FSR-54, 5 p. June 1952. 100 Io9Fs
C. W. McDonald, J. M. Scholl, and B. Zimmerman, joint authors.

Kansas Agricultural Experiment Station, Manhattan

MYERS, V. E., and SMITH, F. W. Fertilizer recommendations for Kansas. Kans. Agr. Expt. Sta. C. 285,30 p. June 1952. 100 K13S

RILEY, H. M., WILSON, C. P., and GORTON, J. Feed-in-transit privilege in marketing livestock. Kans. Agr. Expt. Sta. C. 288,13 p. June 1952. 100 K13S

Kentucky Agricultural Experiment Station, Lexington

RURAL SOCIOLOGICAL SOCIETY. SUBCOMMITTEE ON THE DIFFUSION AND ADOPTION OF FARM PRACTICES. Sociological research on the diffusion and adoption of new farm practices; a review of previous research and a statement of hypotheses and needed research. Ky. Agr. Expt. Sta. Dept. Rur. Sociol. RS-2,17 p. Ref. June 1952. 281.29 K41

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

MONTGOMERY, J. P. Louisiana farm production, 1909 - 1951. La. Agr. Expt. Sta. B. 467,38 p. Apr. 1952. 100 L93

HARRIS, H. E., MCDANIEL, A. H., and ROARK, C. B. Grassland farming on cutover pineland of west Louisiana. La. Agr. Expt. Sta. B. 468,15 p. June 1952. 100 L93

HARRIS, H. E., MCDANIEL, A. H., and ROARK, C. B. Cattle bloat on clover pastures. La. Agr. Expt. Sta. B. 469,8 p. June 1952. 100 L93

GILBREATH, J. C., and UPP, C. W. The growth pattern of the Cornish fowl. La. Agr. Expt. Sta. Tech. B. 464,43 p. Ref. Apr.1952. 100 L93

MOSCHETTE, D., and others. Nutritional status of preadolescent boys and girls in selected areas of Louisiana. La. Agr. Expt. Sta. Tech. B. 465,34 p. Ref. May 1952. 100 L93

K. Causey, E. Cheely, M. Dallyn, L. McBryde, and R. Patrick, joint authors.

STURGIS, F. E., MIEARS, R. J., and WALKER, R. K. Protein in rice as influenced by variety and fertilizer levels. La. Agr. Expt. Sta. Tech. B. 466,28 p. Ref. June 1952. 100 L93

Maryland Agricultural Experiment Station, College Park

ROTHGEB, R. G. The performance of hybrid corn in 1950. Md. Agr. Expt. Sta. Misc. P. 101,16 p. Feb.1951. 100 M36M

ROTHGEB, R. G. Sweet corn field trials of 1950. Md. Agr. Expt. Sta. Misc. P. 106,8 p. Feb.1951. 100 M36M

SMITH, H. D. Consumer demand for chicken as related to demand for total meat. Md. Agr. Expt. Sta. Misc. P. 112,36 p. Oct.1951. 100 M36M

SHAFFNER, C. S., and others. A study of breed and strain differences in broiler chickens. Md. Agr. Expt. Sta. Misc. P. 129,5 p. 1952? 100 M36M

P. F. Twining, G. F. Combs, and M. A. Jull, joint authors.

HULSE, F. E., and WALKER, W. P. Property tax problems in rural-urban fringe areas. Md. Agr. Expt. Sta. Misc. P. 135,24 p. May 1952. 100 M36M

SMITH, H. D. A survey of broiler houses and equipment. Md. Agr. Expt. Sta. Misc. P. 140,14 p. June 1952. 100 M36M

HULSE, F. E., WALKER, W. P., and SIGAFOOSE, W. T. Improving farm building assessment techniques. Md. Agr. Expt. Sta. Misc. P. 141,23 p. June 1952. 100 M36M

Massachusetts Agricultural Experiment Station, Amherst

FRANKLIN, H. J. Cranberry insects in Massachusetts. Mass. Agr. Expt. Sta. B. 445(sup.),15 p. June 1952. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

LARZELERE, H. E., and KING, R. M. Ratios as measuring sticks for elevator and farm supply organizations. Mich. Agr. Expt. Sta. Spec. B. 380,29 p. Aug. 1952. 100 M58S

BOGER, L. L. When should apples be sold? Mich. Agr. Expt. Sta. Spec. B. 381,19 p. Sept.1952. 100 M58S

QUARTERLY bulletin 35(1),143 p. Aug.1952. 100 M58S

Mississippi Agricultural Experiment Station, State College

MISSISSIPPI farm research 15(9),8 p. Sept. 1952. 100 M69Mi

Nebraska Agricultural Experiment Station, Lincoln

BRENSIKE, V. J. Marketing feeder cattle and sheep in the North Central Region. Nebr. Agr. Expt. Sta. B. 410,69 p. May 1952. 100 N27

LOWREY, G. W., and others. Commercial fertilizer results with winter wheat and rye, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 23,29 p. Aug. 1952. 100 N27O

R. A. Olson, A. F. Dreier, and P. L. Ehlers, joint authors.

New Mexico Agricultural Experiment Station, State College

LEDING, A. R. Cotton variety tests, 1948-1951. N. Mex. Agr. Expt. Sta. Press B. 1074,7 p. Aug. 1952. 100 N465

New York (Cornell) Agricultural Experiment Station, Ithaca

GUTHRIE, E. S. A study of the body of cultured cream. N. Y. (Cornell) Agr. Expt. Sta. B. 880, 23 p. June 1952. 100 N48C

VON OPPENFELD, H., and others. Cost and effectiveness of different insect and disease control practices in New York apple orchards. N. Y. (Cornell) Agr. Expt. Sta. B. 886,75 p. Aug.1952. 100 N48C

D. Boynton, J. L. Brann, A. B. Burrell, and E. S. Shepardson, joint authors.

New York (State) Agricultural Experiment Station, Geneva

FARM research 18(3),16 p. July 1952. 100 N48A

North Carolina Agricultural Experiment Station, State College Station, Raleigh

RESEARCH and farming. Progress report 10(1), 15 p. Summer 1951. 100 N81R

Ohio Agricultural Experiment Station, Wooster

SAYRE, J. D. Accumulation of radioisotopes in corn leaves. Ohio. Agr. Expt. Sta. Res. B. 723,30 p. Aug.1952. 100 Oh3S

OHIO farm and home research 37:69-84. Sept./Oct.1952. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

GREEN, J. M. 1951 cotton defoliation test results in Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. M-238,2 p. Sept.1952. 100 Ok4M

WALTON, R. R., and STILES, C. F. The control of caterpillars attacking soybeans. Okla. Agr. Expt. Sta. Mimeog. C. M-239,2 p. Sept.1952. 100 Ok4M

JONES, M. D., and BROOKS, J. S. Effect of tree barriers on outcrossing in corn. Okla. Agr. Expt. Sta. Tech. B. T-45,11 p. Aug.1952. 100 Ok4

BELCHER, J. C., and SHARP, E. F. A short scale for measuring farm family level of living: a modification of Sewell's Socio-Economic Scale. Okla. Agr. Expt. Sta. Tech. B. T-46,22 p. Sept.1952. 100 Ok4

CURRENT farm economics 25:53-67. Aug. 1952. 100 Ok4

Oregon Agricultural Experiment Station, Corvallis

SCHOTH, H. A., and RAMPTON, H. H. Ladino clover for western Oregon. Oreg. Agr. Expt. Sta. B. 519,13 p. Aug.1952. 100 Or3

WU, S. H., ELLIKER, P. R., and MCKENZIE, F. F. Microorganisms in dairy bull semen as related to fertility. Oreg. Agr. Expt. Sta. Tech. B. 24,22 p. Ref. July 1952. 100 Or3S

DAHMEN, J. J., and BOGART, R. Some factors affecting rate and economy of gains in beef cattle. Oreg. Agr. Expt. Sta. Tech. B. 26,23 p. Ref. July 1952. 100 Or3S

Puerto Rico Agricultural Experiment Station, Rio Piedras

GONZALEZ CHAPEL, A., and CABRERA, J. I. Los cruzamientos en la crianza de cerdos en Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. B. 95,54 p. Ref. Sept.1951. 100 P83

South Dakota Agricultural Experiment Station, Brookings

GRAFIUS, J. E., and DIRKS, V. A. An analysis of small grain performance in South Dakota, 1942-1951. S. Dak. Agr. Expt. Sta. B. 422,23 p. May 1952. 100 So82

BURRILL, L. M., and ALSUP, B. Fruits and vegetables in the home freezer; factors affecting quality. S. Dak. Agr. Expt. Sta. B. 423,23 p. June 1952. 100 So82

Texas Agricultural Experiment Station, College Station

PORTER, K. B., ATKINS, I. M., and WHITFIELD, C. J. Wheat production in the Panhandle of Texas. Tex. Agr. Expt. Sta. B. 750,38 p. June 1952. 100 T31S

SPERRY, O. E., VARDIMAN, P. H., and GRAY, R. G. Peavine—a poisonous range plant in Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1474,4 p. July 5,1952. 100 T31P

DANIELS, N. E. Control of spider mites on wheat. Tex. Agr. Expt. Sta. Prog. Rpt. 1476,3 p. July 14,1952. 100 T31P

GODFREY, G. H. Citrus nursery tree certification program in south Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1477,3 p. July 19,1952. 100 T31P

WHITFIELD, C. J., and JONES, J. H. Production of feeder yearling steers at the Amarillo Station, 1950-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1478,6 p. July 31,1952. 100 T31P

MOTHERAL, J. R., and ADKINS, W. G. Texas farm and ranch land prices, 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1479,8 p. July 31,1952. 100 T31P

WOLTERS, F. A., and others. Slaughter calf production in the Brazos River Valley. Tex. Agr. Expt. Sta. Prog. Rpt. 1480,3 p. Aug.2,1952. 100 T31P
W. G. Wilson, J. E. Roberts, and J. H. Jones, joint authors.

BATES, R. P., and COOK, E. D. Effect of different sources of phosphate on yield and botanical composition of pasture vegetation. Tex. Agr. Expt. Sta. Prog. Rpt. 1481,3 p. Aug.2,1952. 100 T31P

LEIGHTON, R. E., and HUFF, J. S. Dried skimmilk in rations for dairy calves. Tex. Agr. Expt. Sta. Prog. Rpt. 1482,2 p. Aug.4,1952. 100 T31P

WILLIAMS, J. C., SMITH, G. L., and JONES, J. H. Finely ground peanut hulls and prairie hay in rations for fattening steers. Tex. Agr. Expt. Sta. Prog. Rpt. 1483,3 p. Aug.9,1952. 100 T31P

SORENSEN, H. B., MAYES, H. M., and BAKER, C. K. Cost of handling Texas citrus, fresh and processed, 1950-51 season. Tex. Agr. Expt. Sta. Prog. Rpt. 1485,13 p. Aug.9,1952. 100 T31P

MOTHERAL, J. R., METZLER, W. H., and DUCOFF, L. J. Sources of cotton labor, Texas High Plains. Tex. Agr. Expt. Sta. Prog. Rpt. 1491,5 p. Aug. 29,1952. 100 T31P

Utah Agricultural Experiment Station, Logan

PETERSON, D. F., JR., ISRAELSEN, O. W., and HANSEN, V. E. Hydraulics of wells. Utah. Agr. Expt. Sta. B. 351,48 p. Mar.1952. 100 Ut1

ABEL, H. A., and BROADBENT, D. A. Trade in western livestock at auctions. 1. Development, relative importance, operations. Utah. Agr. Expt. Sta. B. 352, 128 p. Ref. May 1952. 100 Ut1

PETERSON, H. B. Effect of nitrogen fertilizer on yield and protein content of winter wheat in Utah. Utah. Agr. Expt. Sta. B. 353,29 p. June 1952. 100 Ut1

ANDERSON, R. H. Marketing of chickens from producer to first handler, Washington, Oregon, and Utah, 1948-1949. Utah. Agr. Expt. Sta. B. 354,38 p. June 1952. 100 Ut1

LAURITZEN, C. W., ISRAELSEN, O. W., and RASMUSSEN, W. W. Lining canals and reservoirs to reduce conveyance losses. Utah. Agr. Expt. Sta. C. 129, 24 p. June 1952. 100 Ut1

UTAH. AGRICULTURAL EXPERIMENT STATION. Recommended practices to reduce fluorosis in livestock and poultry. Utah. Agr. Expt. Sta. C. 130,16 p. Ref. June 1952. 100 Ut1

ANDERSON, R. H. Trends in chicken slaughter and prices in the Western States. Utah. Agr. Expt. Sta. Spec. Rpt. 5,15 p. May 1952. 100 Ut1Sp
The Agricultural Experiment Stations of California, Oregon, and Washington cooperating.

Virginia Agricultural Experiment Station, Blacksburg

WOODSIDE, A. M. The apple bark borer [Thamnosphecia pyri]. Va. Agr. Expt. Sta. B. 452,16 p. Apr.1952. 100 V81S

DOMINICK, C. B. Green June beetle [Cotinis nitida] larvae control in tobacco plantbeds. Va. Agr. Expt. Sta. B. 454,15 p. June 1952. 100 V81S

Washington Agricultural Experiment Station, Pullman

CHRISTIAN, R. E. Full vs. limited feeding as it affects selection in swine. Wash. Agr. Expt. Sta. C. 161,rev.,4 p. Sept.1952. 100 W27S

GALGAN, M. W., and others. Grass and grass-alfalfa pastures supplemented with grain for beef production in eastern Washington. Wash. Agr. Expt. Sta. C. 164,rev.,8 p. Sept.1952. 100 W27S
M. E. Ensminger, W. E. Ham, B. H. Schneider, J. L. Schwendiman, I. R. Adlard, and J. K. Patterson, joint authors.

CHRISTIAN, R. E., and ENSMINGER, M. E. The WSC Project No. 61 bacon-type hog. Wash. Agr. Expt. Sta. C. 165,rev.,3 p. Sept.1952. 100 W27S

MEYER, T. O., and ENSMINGER, M. E. Consumer preference and knowledge of quality in retail beef cuts. Wash. Agr. Expt. Sta. C. 168,rev.,11 p. Sept.1952. 100 W27S

SCHNEIDER, B. H., TAYSOM, E. D., and HAM, W. E. Urinary calculi in male farm animals. Wash. Agr. Expt. Sta. C. 203,5 p. Sept.1952. 100 W27S

GALGAN, M. W., ENSMINGER, M. E., and KYD, C. R. Improvement of beef cattle through production testing. Wash. Agr. Expt. Sta. C. 204,6 p. Sept. 1952. 100 W27S

West Virginia Agricultural Experiment Station, Morgantown

THOMPSON, A. H., MARSH, R. S., and SCHUBERT. O. E. A leaf analyses survey of apple orchards in West Virginia. W. Va. Agr. Expt. Sta. B. 356,11 p. Ref. July 1952. 100 W52

Wisconsin Agricultural Experiment Station, Madison

MCNALL, P. E., and others. Farming in the central sandy area of Wisconsin. Wis. Agr. Expt. Sta. B. 497,24 p. June 1952. 100 W75
H. O. Anderson, A. R. Albert, and R. W. Abbott, joint authors.

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U S Department of Agriculture Library for the cost of reproduction.

ARIZONA University, College of Agriculture, Agricultural Extension Service, Tucson

BROWN, L. C., and ELLWOOD, C. C. Defoliating cotton in Arizona. Ariz. Agr. Col. Ext. C. 203,7 p. Aug.1952. 275.29 Ar42

CALIFORNIA University, College of Agriculture, Agricultural Extension Service, Berkeley

UNDERHILL, J. P., LORENZ, O. A., and ZOBEL, M. P. Celery fertilizer trials, 1948-1949-1950-1951 summary. Calif. Agr. Col. Ext. Veg. Crops Mimeog 55,16 p. May 1952. 81 C1255

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 Shasta dairy management study, by A. D. Reed and F. F. Smith. Berkeley?1952? 6 p. 275.29 C12En

FLORIDA University, College of Agriculture, Agricultural Extension Service, Gainesville

MOWRY, H. Native and exotic palms of Florida, revised by R. D. Dickey and E. West. Fla. Agr. Col. Ext. B. 152,70 p. June 1952. 275.29 F66
Formerly Bulletin 84.

IDAHO University, College of Agriculture, Extension Service, Moscow

PORTMAN, R. W., and BARR, W. F. Alfalfa and clover pests in Idaho. Idaho. Agr. Col. Ext. C. 122, 8 p. Aug.1952. 275.29 Id13C

ILLINOIS University, College of Agriculture, Extension Service, Urbana

HICKMAN, D., and CULBERT, J. R. African violets [Saintpaulia] in the home. Ill. Agr. Col. Ext. C. 695,24 p. June 1952. 275.29 IL62C

MASSACHUSETTS University, School of Agriculture, Extension Service, Amherst

PARSONS, P. S., and others. The New England basic class 1 milk price. Mass. U. Agr. Ext. Spec. C.201, 15 p. Sept.1952. 275.29 M38ISc
W. F. Henry, R. E. Underwood, T. M. Adams, E. W. Bell, and J. D. Lee, joint authors.

MISSISSIPPI State College, Extension Service, State College

MILES, I. E. Nitrogen. Miss. State Col. Ext. P. 235,6 p.-folder. June 1952. 275.29 M68Ext

MILES, I. E. Potash. Miss. State Col. Ext. P. 236,6 p.-folder. June 1952. 275.29 M68Ext

MILES, I. E. Phosphorus. Miss. State Col. Ext. P. 237,6 p.-folder. June 1952. 275.29 M68Ext

BENNETT, A. G., JOHNSTON, T., and MURPHREE, L. C. Three gallon sprayer for cotton insect control. Miss. State Col. Ext. P. 240,2 p. June 1952. 275.29 M68Ext

NEBRASKA University, College of Agriculture, Agricultural Extension Service, Lincoln

STACHWICK, G. T. Recommended potato production practices. Nebr. Agr. Col. Ext. E. C. 1276, 10 p. Aug.1952. 275.29 N272Ex

MAXWELL, E. G. Tree identification manual. Nebr. Agr. Col. Ext. E.C. 1703,rev.,22 p. Jan.1952. 275.29 N272Ex

NEW JERSEY State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

CLARK, R. B., and KORBOBO, R. P. Fifty small trees for New Jersey home grounds. N. J. Agr. Col. Ext. L. 86,8 p. July 1952. 275.29 N46L

BRADSHAW, P. P. The green-eyed monster. N. J. Agr. Col. Ext. L. 90,7 p. Aug.1952. 275.29 N46L

NISSLEY, C. H. Pumpkins and squashes in New Jersey. N. J. Agr. Col. Ext. L. 91,11 p. Aug.1952. 275.29 N46L

ENGEL, R. E. Controlling crabgrass [Digitaria] in the lawn. N. J. Agr. Col. Ext. L. 92,7 p. Aug. 1952. 275.29 N46L

BRADSHAW, P. P. Look to the future. N. J. Agr. Col. Ext. L. 93,8 p. Sept.1952. 275.29 N46L

NORTH CAROLINA University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Cabbage production guide. N. C. Agr. Col. Ext. Folder 89,6 p. May 1952. 275.29 N811Ex

NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Skippers in cured meat. N. C. Agr. Col. Ext. Folder 90,6 p. July 1952. 275.29 N811Ex

NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. The [red and black] turpentine beetle [Dendroctonus valens and Dendroctonus terebrans] in North Carolina. N. C. Agr. Col. Ext. Folder 91,6 p. Sept.1952. 275.29 N811Ex

AREY, J. A., and KIMREY, A. C. North Carolina 4-H dairy manual, revised by J. D. George. N. C. Agr. Col. Ext. 4-H Club Ser. 12,rev.,19 p. June 1952. 275.29 N811C

MCIVER, J. Color in your outfit. N. C. Agr. Col. Ext. Misc. P. 139,4 p. Apr.1952. 275.29 N811M

OKLAHOMA Agricultural and Mechanical College, Extension Division, Stillwater

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. 4-H horticulture projects; truck gardening, gardening, fruit. Okla. Agr. Col. Ext. C. 316,15 p. n.d. 275.29 Ok41C

ARMSTRONG, O. Pattern alteration. Okla. Agr. Col. Ext. C. 327,rev.,23 p. May 1952. 275.29 Ok41C

FUNK, E. Kitchen planning and arrangement. Okla. Agr. Col. Ext. C. 438,16 p. n.d. 275.29 Ok41C

CHAFFIN, W. Vetch for soil improvement. Okla. Agr. Col. Ext. C. 472,12 p. n.d. 275.29 Ok41C

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION HORTICULTURE DEPT. Fall gardening. Okla. Agr. Col. Ext. C. 486,3 p. n.d. 275.29 Ok41C

ENIX, J. R., and WALKER, M. Oklahoma pecans, a good food. Okla. Agr. Col. Ext. C. 511,4 p. n.d. 275.29 Ok41C

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Health on the home front. Okla. Agr. Col. Ext. C. 570,23 p. n.d. 275.29 Ok41C

CHAFFIN, W. Fall and winter pastures. Okla. Agr. Col. Ext. C. 575,4 p. n.d. 275.29 Ok41C

PUERTO RICO University, College of Agriculture, Extension Service, Rio Piedras

GONZALEZ, O. Conejera de tres divisiones. P. R. Agr. Col. Ext. Fol. IA-4,6 p. Apr.1951. 275.29 P96Fi

GONZALEZ, O. Deposito de agua para el hogar. P. R. Agr. Col. Ext. Fol. IA-6,2 p. May 1951. 275.29 P96Fi

GONZALEZ, O. Caseta para Club 4-H. P. R. Agr. Col. Ext. Fol. IA-7,5 p. July 1951. 275.29 P96Fi

GONZÁLEZ, O. Tormentera. P. R. Agr. Col. Ext. Fol. IA-9,6 p. Apr.1952. 275.29 P96Fi

ORDONEZ, R. M. Ladrones de sangre. P. R. Agr. Col. Ext. Fol. Sa-10,11 p. Sept.1951. 275.29 P96FSa

GAZTAMBIDE ARRILLAGA, C. La garrapata es enemiga de su ganado combátala. P. R. Agr. Col. Ext. Fol. Z-3,6 p. May 1951. 275.29 P96Fz

HERNANDEZ, E. Los silos dan dinero; lea las opiniones de importantes ganaderos sobre la utilidad de los silos. P. R. Agr. Col. Ext. Fol. Z-4,6 p. Aug. 1951. 275.29 P96Fz

GAZTAMBIDE ARRILLAGA, C. Los records mejorarán su negocio lechero. P. R. Agr. Col. Ext. Fol. Z-5,6 p. Nov.1951. 275.29 P96Fz

TEXAS Agricultural and Mechanical College, Agricultural Extension Service, College Station

TREW, E. M. Seasonal pastures for year-round grazing in the rolling and High Plains regions. Tex. Agr. Col. Ext. L. 169,2 p. 1952? 275.29 T313

ELLIOTT, F. C., and GUNTER, A. C. Early cotton stalk destruction will pay. Tex. Agr. Col. Ext. L. 173,2 p. Aug.1952. 275.29 T313

UTAH State Agricultural College, Extension Service, Logan

KNOWLTON, G. F. Growing alfalfa seed without destroying pollinators. Utah. State Agr. Col. Ext. C. 155,2 p. Apr.1952. 275.29 Ut1

KNOWLTON, G. F., and NYE, W. P. Raising bees. Utah State Agr. Col. Ext. C. 157,2 p. Apr.1952. 275.29 Ut1

KNOWLTON, G. F. Control the earwig [Forficula auricularia]. Utah. State Agr. Col. Ext. C. 170,2 p. July 1952. 275.29 Ut1

WASHINGTON State College, Extension Service, Pullman

WICHERS, H. E., LOCKRIDGE, D., and CAGLE, A. Planning your farmstead. Wash. State Col. Ext. B. 467,11 p. Sept.1952. 275.29 W27P

WEST VIRGINIA University, College of Agriculture, Agricultural Extension Service, Morgantown

KNOCH, R. E. Selecting school boys' clothes. W. Va. Agr. Col. Ext. Good Living Ser. 19(11),8 p. n.d. 275.29 W522G

WISCONSIN University, College of Agriculture, Agricultural Extension Service, Madison

HOBSON, A. Cooperation—principles & practices. Rev. Wis. Agr. Col. Ext. C. 420,125 p. Mar. 1952. 275.29 W75C

Originally prepared by C. L. Christensen, A. Hobson, H. H. Bakken, R. K. Froker, and M. A. Schaars.

WADE, E. K. Late blight of potatoes & tomatoes. Wis. Agr. Col. Ext. C. 424,6 p. June 1952. 275.29 W75C

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Don't put your cows in this picture; woods pastures don't pay. Wis. Agr. Col. Ext. Spec. C. 30,2 p. May 1952. 275.29 W75S

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Commodity report: cocoa situation report No. 3. Rome,Italy,July 1952. 47 p. 281.3689 F73

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the Council of FAO, fifteenth session, 9-14 June 1952. 55 p. July 1952. 389.9 F735Rc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. BELGIAN NATIONAL FAO COMMITTEE. Bulletin 6(1),39 p. 1952. 281.9 F734

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. CONFERENCE. Verbatim record of plenary meetings of the sixth session of the conference held in Rome, Italy, 19 November-December 1951. Rome,1952. 220 p. 389.9 F735V

BIBLIOGRAPHY OF AGRICULTURE

RECEIVED



U.S. DEPARTMENT OF AGRICULTURE LIBRARY

EMS 11556-20135 FEBRUARY 1953 VOL. 17, No. 2

The subject index for volume 17 of the Bibliography of Agriculture will appear as number 12 of volume 17, the issue of December 1953.

Abbreviations used in this publication are from the United States Department of Agriculture Bibliographical Bulletin 12, List of Serials Currently Received in the Library of the United States Department of Agriculture, November 1, 1949. June 1950.

Call numbers following the citations are those of the United States Department of Agriculture Library. Please use them when requesting publications on loan from the Library.

Except for printed publications of the Department of Agriculture which are usually available in limited supply for free distribution, the publications listed herein are not available for free distribution from the Department. However, photoprint or microfilm copies of any publication listed may be obtained from the Library. Copying charges for each periodical article or book are:

MICROFILMS:
$1.00 for each 50 pages or fraction thereof from a single article or book.

PHOTOPRINTS:
$1.00 for each 10 pages or fraction thereof from a single article or book.

ALL CHARGES ARE CASH WITH ORDER. (Only Federal agencies are exempt.)
Enclose payment in cash, library coupon, check, or money order drawn to the Treasurer of the United States.

LIBRARY COUPONS—United States Department of Agriculture Library coupons valued at $1.00 each may be ordered in any quantity.

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Jan. 11, 1950).

UNITED STATES DEPARTMENT OF AGRICULTURE
LIBRARY

BIBLIOGRAPHY OF AGRICULTURE

Vol. 17 February 1953 No. 2
Items 11556-20135

CONTENTS

	Item
Plant Science	11556-13569
Systematic and Geographic Botany	11628
Spermatophytes	11639
Bryophytes	11755
Algae	11757
Fungi	11763
Pathology	11790
Fungus Diseases	11889
Bacterial Diseases	12112
Virus Diseases	12153
Nematodes	12217
Ecology	12246
Morphology, Anatomy, and Cytology	12286
Genetics	12343
Physiology	12398
Biochemistry	12609
Field Crops	12646
Cereals	12680
Fiber Crops	12760
Forage and Grasses	12773
Oil Crops	12887
Sugar Crops	12901
Tobacco	12927
Horticultural Crops	12941
Fruits	12987
Citrus and Subtropical	13020
Deciduous	13055
Small	13092
Nuts	13154
Shade Trees and Ornamental Plants	13163
Vegetables	13362
Weeds and Poisonous Plants	13458
Miscellaneous	13522
Soils and Fertilizers	13570-14059
Soil Science	13570
Soil Physics	13571
Soil Chemistry	13593
Soil Biology	13624
Soil-Plant-Animal Relationships	13650
Soil Genesis, Formation, Classification and Mapping	13652
Soil Management	13672
Soil Fertility	13699
Tilth and Tillage	13835
Drainage, Irrigation, Water Supply, etc.	13852
Erosion and Control	13962
Sanitation	14008
Materials for Soil Improvement	14016
Mixed Fertilizers and Fertilizer Technology	14017
Fertilizer Statistics	14022
Mineral Soil Amendments	14038
Manures and Composts	14040
Forestry	14060-14885
General	14060
Education	14089
Policies, Programs, Administration	14103
Legislation and Taxation	14184
Description and Resources	14195
Individual Genera	14215
Forest Management and Finance	14262
Farm Woodlands	14299
Mensuration, Surveying, Photogrammetry	14319
Silviculture	14354
Silvicultural Practices	14390
Seeding and Planting	14426
Forest Protection and Damage	14530
Fire	14549
Forest Influences	14573
Miscellaneous Forest Uses	14593
Forest Industries and Trade	14601
Lumbering	14618
Lumbering Equipment	14625
Logging	14633
Sawmills	14650
Processing and Woodworking	14660
Seasoning, Conditioning and Finishing	14670
Wood Preservation and Damage	14681
Forest Products	14705
Lumber and Rough Products	14708
Building Construction	14731
Veneers, Plywood and Adhesives	14739
Furniture	14766
Containers	14767
Pulp and Paper	14769
Chemical Products and Distillates	14813
Naval Stores	14820
Other Forest Products	14828
Wood Technology	14840
Properties and Structure	14869
Animal Industry	14886-16312
Breeds and Breeding	14886
Feeds and Feeding	14910
Veterinary Medicine	14996
Miscellaneous	15137
Cattle	15168
Breeds and Breeding	15168
Feeds and Feeding	15277
Veterinary Medicine	15358
Miscellaneous	15520
Dogs and Cats	15572
Breeds and Breeding	15572
Feeds and Feeding	15585
Veterinary Medicine	15586
Miscellaneous	15647
Fur Animals - Pen Raised	15664
Breeds and Breeding	15664
Feeds and Feeding	15674
Veterinary Medicine	15680
Miscellaneous	15684
Horses and Mules	15699
Breeds and Breeding	15699
Feeds and Feeding	15720
Veterinary Medicine	15722
Miscellaneous	15766
Laboratory Animals, Small	15780
Breeds and Breeding	15780
Veterinary Medicine	15782

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
$6.00 per year, domestic; $8.00 per year, foreign. Single copies vary in price.

	Item
Miscellaneous	15787
Poultry	15788
Breeds and Breeding	15788
Feeds and Feeding	15836
Veterinary Medicine	15880
Miscellaneous	15958
Rabbits	16049
Breeds and Breeding	16049
Feeds and Feeding	16061
Veterinary Medicine	16064
Miscellaneous	16079
Sheep and Goats	16083
Breeds and Breeding	16083
Feeds and Feeding	16119
Veterinary Medicine	16135
Miscellaneous	16188
Swine	16207
Breeds and Breeding	16207
Feeds and Feeding	16221
Veterinary Medicine	16256
Miscellaneous	16312
Entomology	16313-17247
General - Economic	16340
Insecticides	16458
Apiculture and Apis Mellifera	16501
Arachnida, etc.	16641
Coleoptera	16687
Diptera	16804
Culicidae	16901
Hemiptera	16959
Hymenoptera	17028
Lepidoptera	17059
Orthoptera	17179
Sericulture and the Silkworm	17204
Smaller Orders	17217
Agricultural Engineering	17248-17619
General and Miscellaneous	17248
Machines and Equipment	17261
Animal Husbandry	17329
Cultivation and Tillage	17355
Fertilizer and Seed Distributors	17370
Harvesting	17380
Land Clearing Equipment	17430
Processing Equipment Used on the Farm	17434
Repair, Maintenance, and Construction	17464
Spraying and Dusting	17467
Vehicles	17480
Structures and Rural Housing	17507
Animal Shelters and Service Buildings	17517
Farmhouses and Farmsteads	17553
Greenhouses and Plant Service Buildings	17567
Materials and Methods	17572
Storage Structures	17575
Walls and Fences	17586
Utilities	17591
Electricity and Electrification	17591
Heating, Lighting and Radiation	17601
Power Plants, Motors and Engines	17608
Telephones	17613
Water Supply	17617
Agricultural Products: Processing, Distribution, and Statistics	17620-19256
Analysis and Composition	17633
Consumption, etc.	17653
Distribution, etc.	17657
Grading, etc.	17694
Packing and Packaging	17709
Prices, etc.	17721
Processing and Storage	17749
Statistics	17825
Beverages and Condiments	17844
Dairy Products	17990
Analysis and Composition	18045
Consumption, etc.	18101
Distribution, etc.	18105
Grading, etc.	18128
Packing and Packaging	18152
Prices, etc.	18158
Processing and Storage	18161
Statistics	18247
Feed and Forage Crops	18254
Fibers and Textiles	18302
Fruits, Vegetables, and Nuts	18475
Analysis and Composition	18513
Consumption, etc.	18522
Distribution, etc.	18528
Grading, etc.	18556
Packing and Packaging	18571
Prices, etc.	18593
Processing and Storage	18594
Statistics	18657
Grain and Grain Products	18665
Honey and Beeswax	18776
Livestock and Livestock Products	18794
Analysis and Composition	18825
Consumption, etc.	18841
Distribution, etc.	18842
Grading, etc.	18856
Packing and Packaging	18873
Prices, etc.	18874
Processing and Storage	18877
Statistics	18912
Oils and Oilseeds	18916
Poultry and Poultry Products	19030
Rubber and Rubber Substitutes	19111
Seeds	19120
Sugar and Sirups	19139
Tobacco	19223
Miscellaneous	19243
Agricultural Economics and Rural Sociology	19257-19958
Agricultural Finance	19278
Credit	19283
Income	19301
Inflation	19310
Insurance	19312
Taxation	19329
Agricultural Labor and Wages	19353
Agriculture - Situation, Policies, and Programs	19393
Subsidies	19516
Cost and Standard of Living	19517
Farm Management and Land Economics	19519
Bookkeeping and Records	19586
Costs and Returns	19594
Land Settlement and Colonization	19625
Land Tenure	19631
Land Utilization	19673
Land Values, etc.	19678
Population	19686
Rural Social Organization	19689
Human Ecology	19707
Institutions	19711
Leadership	19826
Rural Organizations and Movements	19830
Rural Social Psychology	19896
Trade, Foreign and International	19899
Food and Human Nutrition	19959-20026
Food Habits	19989
Nutritive and Vitamin Content	19997
Miscellaneous	20027-20135
History and Biography	20062
Home Management	20098
International Relations	20104
Meteorology	20105
Personnel	20113
Statistics	20131

U. S. D. A. Publications p. 188

State Agr. Expt. Sta. Publications p. 193

State Agr. Ext. Serv. Publications p. 197

Food and Agr. Organ. of the U. N. p. 199

AUTHOR INDEX p. 201

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Jan. 11, 1950)

PLANT SCIENCE

GENERAL

11556 ADAMEC, J. Success of the Czech Government estates in selection, production, processing, and distribution of seeds and planting material. (In Czech.) Za Socialist. Zemedel. 2:552-555. May 1952. 19.5 Z1

11557 AINSWORTH, G. C. The incidence of air-borne Cladosporium spores in the London region. J. Gen. Microbiol. 7:358-361. Nov.1952. 448.3 J823

11558 AIRY SHAW, H. K., ed. Additions to the wild fauna and flora of the Royal Botanic Gardens, Kew: XXII. Kew B. 3:285-288. 1952. 451 K51B

11559 ANDERSON, E. Inclusive herbaria. Indian J. Genet. & Plant Breeding 11:1-3. June 1951. 64.8 In2

11560 BALLARD, L. A. T. Coloured 'Perspex' for darkroom lights. Nature [London] 170:840-841. Nov.15, 1952. 470 N21
Colorimetry in plant research.

11561 BECK, E. La provenance des antibiotiques. Soc. des Nat. Luxemb. B. (n.s.)44:248-258. 1950,pub. 1951. 410.9 So127

11562 BEDI, R. Tulasi [Ocimum sanctum]: the sacred plant of India. Indian Forester 78:440-441. Sept. 1952. 99.8 In2

11563 BOTANICAL SOCIETY OF THE BRITISH ISLES. Year book 1952. Arbroath,1952. 110 p. 451 B658Y

11564 BROCKWELL, J., and FRIEND, J. N. The use of casein agar to eliminate bacterial contamination. Austral. Plant Dis. Recorder 4:12. Jan.1952. 464.8 Au7

11565 BROWN, J. G., and others. A line operated photomultiplier unit for measuring spectral emissions in flame analysis. Amer. Soc. Hort. Sci. Proc. 59:337-342. June 1952. 81 So12
C. G. Patten, M. E. Gardner, and R. K. Jackson, joint authors.
In plant ash solutions.

11566 BRUIJNS, M. F. M. The Emmen Wadden. (In Dutch.) Levende Nat. 55:169-172. Sept.1952. 410 L57
Includes vegetation.

11567 CARL, G. C., GUIGUET, C. J., and HARDY, G. A. A natural history survey of the Manning Park area, British Columbia. Brit. Columbia. Prov. Mus. Occas. Papers 9,130 p. July 1952. 517 B77O
Includes vegetation and insects.

11568 CONSTANTINO, M., and HONRADO, P. A. Seeds and plants—from propagation to distribution. In Philippine Republic. Bur. of Agriculture. Golden Jubilee Committee. A half-century of Philippine agriculture, p. 220-230. Manila,Graphic House,1952. 37 P533

11569 DAVIS, J. Z. Lotus plants grown from ancient seeds. Prof. Gard. 4:201-202. Oct.1952. 80 P945

11570 DELITSCH, H. Uber die gewinnung von antibiotischen und anderen wirkstoffen aus pilzen und bakterien. Deut. Wirtgeflügelzucht. 5:6-7. (Cont.) Oct.4,1952. 47.8 D483

11571 DELITSCH, H. Uber die gewinnung von antibiotischen und anderen wirkstoffen aus pilzen und bakterien. Deut. Wirtgeflügelzucht. 5:16-18. (Concl.) Oct.11,1952. 47.8 D483

11572 DUFRENOY, M. L., and DUFRENOY, J. A propos du deux cent-cinquantième anniversaire de la naissance de Ch. M. de la Condamine. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:387-390. Ref. July/Aug. 1952. 26 R323
Rotenone, curare, and Hevea.

11573 DYE, M. H., and VERNON, T. R. Air-borne mould spores; a New Zealand survey. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:118-127. Ref. Sept. 1952. 514 N48B

11574 EGOROV, N. S. On forced antagonism in bacteria. (In Russian.) Mikrobiologiia 21(1):116-120. Ref. Jan./Feb.1952. 448.3 M582
Formation of antibiotic substances.

11575 ENE DE PIRO, M. Plantes carnivores. II. Réveil Agr. 61:310-311. Oct.15,1952. 14 R322

11576 FERRY, P. A giant among junipers. Nat. Hist. 61:446-447. Dec.1952. 500 N483J
Juniperus occidentalis.

11577 FIRBAS, F. Einige berechnungen über die ernährung der hochmoore. Geobot. Inst. Rübel. Zürich. Veröffentl. 25:177-200. Ref. 1952. 451 Z83
Includes vegetation of the Irish moors.

11578 GOLA, G., NEGRI, G., and CAPPELLETTI, C. Trattato di botanica [Treatise on botany]. Ed. 3. Torinese,Unione Tipografico,1951. 1199 p. 463 G56

11579 GREENWAY, P. J. Notes from the East African herbarium. Kew B. 3:353-365. 1952. 451 K51B
At Nairobi, Kenya.

11580 HANSELL, D. E. Christmas flower legends. Gard. J. 2:187-188. Nov./Dec.1952. 80 G1635

11581 HARPES, J. Une admirable réussite de botanique appliquée: les nouveaux antibiotiques en médecine. Soc. des Nat. Luxemb. B. (n.s.)44:259-278. 1950, pub.1951. 410.9 So127

11582 HERKLOTS, G. A. C. The Hong Kong countryside. Hong Kong,South China Morning Post,1951. 175 p. Ref. 409 H42
Includes vegetation.

11583 HOPP, W. Wunderwelt der Tropen. Berlin, Safari,1951. 206 p. 409 H77
Includes plants and insects.

11584 HOSOYA, S., KOMATSU, N., and SOEDA, M. An antifungal agent isolated from mycelium of Streptomyces griseocarneus. (In Japanese.) J. Antibiotics 5: 525-527. Sept.1952. 396.8 J824
English summary.

11585 HOSOYA, S., KOMATSU, N., and SOEDA, M. Rotaventin, an antifungal agent isolated from mycelium of Streptomyces reticuli. (In Japanese.) J. Antibiotics 5:451-453. Aug.1952. 396.8 J824
English summary.

11586 HSU, J., and BOSE, M. N. Further information on Homoxylon rajmahalense Sahni. Indian Bot. Soc. J. 31:1-12. 1952. 450 J821

11587 HUBER, B. Beiträge zur methodik der jahrringchronologie. I. Gegenläufigkeitsprozent und gegenläufigkeitsstruktur als massstäbe bei der sicherung jahrringchronologischer datierungen. Holzforschung 6:33-37. Ref. 1952. 99.8 H74
English summary.

11588 HUGHES, J. E. Survey of antibiotics in the wild green plants of southern California. Antibiotics & Chemother. 2:487-491. Ref. Sept.1952. 396.8 An8

11589 JESSEN, H. Botanisches wörterbuch. Ed. 2. Holzminden,Gartenbauverlag Trowitzsch,1951. 44 p. 452.12 J49

11590 JESSEN, K. An outline of the history of the Irish vegetation. Geobot. Inst. Rübel. Zürich. Veröffentl. 25:79-84. 1952. 451 Z83

11591 KORNILOVA, V. S. New discovery of the Teriary flora in Kazakhstan. (In Russian.) Akad. Nauk SSSR Dok. 86:145-147. Ref. Sept.1,1952. 511 P444A

11592 LACERDA, F. S. DE. Considerations on notas ficológicas of J. Sampaio (1950). (In Portuguese.) Soc. Portug. de Ciên. Nat. B. (ser.2)3:143-151. 1951. 506 So1

11593 LEFORT, L. L'Herbier Victor Lussot. Soc. des Nat. Luxemb. B. (n.s.)44:175-179. 1950,pub. 1951. 410.9 So127

11594 LINDSEY, A. A. Vegetation of the ancient beaches above Great Bear and Great Slave Lakes. Ecology 33:535-549. Oct.1952. 410 Ec7

11595 LOVE, A., and LOVE, D. The geobotanical significance of polyploidy. Portugaliae Acta Biol. Sér. A 1949/51:273-352. Ref. 442.8 P83

11596 MCGREGOR, S. E., and BUEHRER, T. F. A nec.arometer. J. Econ. Ent. 45:895. Oct.1952. 421 J822

11597 MCHEDLISHVILI, P. A. On some principal problems of paleobotany as a division of paleobiology. Akad. Nauk SSSR. Izv. Ser. Biol. 5:116-128. Ref. Sept./ Oct.1952. 511 S22B

11598 MAEDA, K., and others. On new antifungal substances, moldin and phaeofacin, produced by Streptomyces sp. J. Antibiotics 5:465. Aug.1952. 396.8 J824
Y. Okami, O. Taya, and H. Umezawa, joint authors.

11599 MANSFELD, R. Ziele und wege der botanischen systematik. Deut. Akad. der Wiss. Wiss. Ann. 1: 329-345. Sept.1952. 509 D48W

11600 MARKS, G. E. A controllable carmine technic for plants with small chromosomes. Stain Technol. 27: 333-336. Nov.1952. 442.8 St1

11601 MENENDEZ, C. A. La flora mesozoica de la formacion Llantenes (Provincia de Mendoza). Mus. Argentino de Cien. Nat. "Bernardino Rivadavia." Rev. Cien. Bot. 2:147-261. Ref. 1951. 451 B864

11602 MITCHELL, G. F. Geological outline of Ireland. Geobot. Inst. Rübel. Zürich Veröffentl. 25:35-45. 1952. 451 Z83
Includes paleobotany.

11603 MULLIGAN, B. O. The Washington Arboretum. Gard. J. 2:147-150. Sept./Oct.1952. 80 G1635

11604 OCCHIONI, P. List of types in the herbarium of the botanical garden of Rio de Janeiro. II. (In Portuguese.) Dusenia 3:251-262. July 31,1952. 410 D94

11605 PERKINS, A. E. A botanical fountain of youth or botanizing on the Cattaraugus Indian Reservation. Gard. J. 2:168-170,188. Nov./Dec.1952. 80 G1635

11606 RAWLINS, T. E. Technics of plant histochemistry and virology. Millbrae, Calif.,Natl. Press, 1952. 125 p. 440 R19

11607 REGNIER, R. Les Société Française de Phytiatrie et de Phytopharmacie; ses tendances et son programme. Phytoma 5(40):14-16. Aug./Sept.1952. 464.8 P563

11608 ROANE, C. W. A method of preparing fungi for cytological studies. (Abs.) Phytopathology 42:480. Sept.1952. 464.8 P56

11609 SALISBURY, SIR E. The Royal Botanic Gardens, Kew. Discovery 13:318-321. Oct.1952. 472 D63

11610 SCHUURMAN, J. A. Journey East. Gard. J. 2:165-167. Nov./Dec.1952. 80 G1635
Trip from Holland to Italy, thence to Java.

11611 SMEBY, R. R., and others. Production and purification of the antibiotic helixin. Phytopathology 42: 506-510. Sept.1952. 464.8 P56
C. Leben, G. W. Keitt, and F. M. Strong, joint authors.

11612 SOKOLOV, D. D. Park in a semidesert. (In Russian.) Les i Step' 4(7):67-69. July 1952. 99.8 L565

11613 SPOEHR, H. A. A new look at the food problem. Gard. J. 2:133-134,153,156. Sept./Oct.1952. 80 G1635
Includes use of solar energy, photosynthetic capacity of plants and industrial culture of green algae.

11614 SU, U. Government botanical garden, Maymyo. Burmese Forester 1:72-77. Sept.1951. 99.8 B92

11615 SUGGATE, R. P., and COUPER, R. A. The stratigraphic relations and plant microfossils of New Zealand coal measures. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:106-117. Ref. Sept.1952. 514 N48B

11616 SYMPOSIUM on the origin and distribution of cultivated plants in south Asia (Delhi, 12-15 January, 1951) organized by the Indian Society of Genetics & Plant Breeding and the UNESCO South Asia Science Cooperation Office, Delhi. Indian J. Genet. & Plant Breeding 11(1),125 p. June 1951. 64.8 In2

11617 SZYMONA, M. The effect of the phytoncides of Allium sativum on the growth and respiration of some pathogenic fungi. (In Polish.) Acta Microbiol. Polon. 1:5-23. Ref. 1952. 448.3 Ac82
English summary.

11618 TOWNSEND, R. B. Huntington Botanical Gardens. Gard. J. 2:178-180,186. Nov./Dec.1952. 80 G1635

11619 TURMEL, J. M. Le jardin botanique de Beni-Abbes (Sahara Occidental). Terre et la Vie 99:95-100. Apr./June 1952. 410.9 P21

11620 UMEZAWA, H., TAZAKI, T., and FUKUYAMA, S. An antiviral substance, abikoviromycin, produced by Streptomyces species. J. Antibiotics 5:469-476. Sept. 1952. 396,8 J824

11621 UMEZAWA, H., and others. On a new antibiotic, exfoliatin, produced by a strain of Streptomyces. J. Antibiotics 5:466. Aug.1952. 396.8 J824
S. Takahashi, T. Takeuchi, K. Maeda, and Y. Okami, joint authors.

11622 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Directory of activities, 1952. U. S. D. A. Agr. Handb. 47,131 p. Sept.1952. 1 Ag84Ah
Supersedes Miscellaneous Publication 645.

11623 VARMA, C. P. An algal flora from the Laki (Lower Eocene) beds of the Nammal Gorge (Punjab Salt Range). 1. Archaeolithothamnium. Natl. Inst. Sci. India. Proc. 18:301-308. Ref. July/Aug.1952. 513 N212

11624 WEBB, D. A. Narrative of the ninth I. P. E. [International Phytogeographical Excursion]. Geobot. Inst. Rübel. Zürich. Veröffentl. 25:9-31. 1952. 451 Z83
Held in Ireland.

11625 WELTEN, M. Pollenanalytische stichproben über die subrezente vegetationsentwicklung im bergland von Kerry (Irland) Geobot. Inst. Rübel. Zürich. Veröffentl. 25:85-99. 1952. 451 Z83

11626 WEST BENGAL. ROYAL BOTANIC GARDEN. Annual report of the Royal Botanic Garden and the gardens in Calcutta and of the Lloyd Botanic Garden, Darjeeling for 1947-48. Alipore,1951. 13 p. 451 C122A

11627 YASUMA, M., and TOGARI, Y. Shokuyo sakumotsu zoshu saibaiho [Methods of cultivation for the increase of edible crops]. Tokyo,Nogyo Hotensha,1951. 339 p. 64 Y2

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

11628 BECK, E., and others. Herborisations faites au Grand-Duché de Luxembourg en 1950. Soc. des Nat. Luxemb. B. (n.s.)44:121-174. 1950,pub.1951. 410.9 So127
F. Jungblut, L. Lefort, L. Reichling, and R. Stumper, joint authors.

11629 CLELAND, J. B. The introduced flora of the Adelaide Plains. So. Austral. Nat. 26:45-58. July 1952. 410 So82

11630 FONDAL, E. Notes on the flora in the mill area in Buvik. I. (In Norwegian.) Norske Vidensk. Selsk. Mus. Årsberet. 1950:72-73. 1951. 502 T41A

11631 GJAEREVOLL, O. The flora in Trøndelag. II. (In Norwegian.) Norske Vidensk. Selsk. Mus. Årsberet. 1950:62-71. 1951. 502 T41A

11632 HERTER, G. Flora del Uruguay. 3. Glumiflorae. I. Basilea,1952. p.59-96. (Estudios Botánicos en la Región Uruguaya XXIV) 457.1 H44

11633 KLOOS, A. W., JR., and OOSTSTROOM, S. J. VAN. New discoveries of rare plants in the Netherlands in 1951. (In Dutch.) Levende Nat. 55:176-179. Sept.1952. 410 L57

11634 LUDI, W., ed. Die pflanzenwelt Irlands. The flora and vegetation of Ireland. Geobot. Inst. Rübel. Zürich. Veröffentl. 25,415 p. 1952. 451 Z83

11635 ROWE, A. H. Botanical survey of northern California. Ann. Allergy 10:605-614. Sept./Oct.1952. 448.8 An72

11636 SHREVE, F., and WIGGINS, I. L. Vegetation and flora of the Sonoran Desert. 1. Washington,1951. 192 p. (Carnegie Institution of Washington. Publication 591) 463.89 Sh8

11637 TURRILL, W. B. Methods of the experimental ground in relation to taxonomy. Kew B. 3:427-437. 1952. 451 K51B

11638 WEBB, D. A. The flora and vegetation of Ireland. Geobot. Inst. Rübel. Zürich. Veröffentl 25:46-78. 1952. 451 Z83

Spermatophytes

11639 ALIEV, A. G. Acanthaceae in the Bakinskiĭ Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 10:81. 1951. 451 M854

11640 ALLEN, P. H. The swan orchids, a revision of the genus Cycnoches. III. Orchid J. 1:273-276. July/Aug.1952. 80 Or174

11641 ALLEN, P. H. The swan orchids: a revision of the genus Cycnoches. IV. Orchid J. 1:349-354. Sept. 1952. 80 Or174

11642 BALLARI, C. P. Plantas forestales, cercos vivos y trepadoras para el Norte Pampeano. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:231-236. 1951/52. 9 Ag874

11643 BALME, J. Orquídeas mexicanas. Acad. Nac. de Cien. Mem. y Rev. 57:9-42. 1952. 516 M57

11644 BERGHEN, C. V. Notes sur quelques Lejeuneacées de l'Afrique Continentale. Brussels. Jard. Bot. de l'Etat. B. 22:165-176. June 1952. 451 B83B

11645 BHADURI, P. N. Inter-relationship of non-tuberiferous species of Solanum with some consideration on the origin of brinjal (S. melongena L.) Indian J. Genet. & Plant Breeding 11:75-82. Ref. June 1951. 64.8 In2

11646 BIANCHI, R. Heracleum sphondylium L. und Eryngium alpinum L., zwei interessante vertreter der doldengewächse. Leben u. Umwelt 9:25-30. Nov.1952. 410 L49

11647 BLASDALE, W. C. Cyclamen europaeum. Calif. Hort. Soc. J. 13:132-137. Oct.1952. 81 C1293
Includes nomenclature and geographical distribution.

11648 BOR, N. L. Notes on Asiatic grasses. VIII-X. Kew B. 3:309-323. 1952. 451 K51B
VIII, The genus Eremochloa Büse in India and Burma; IX, The genus Lopholepis Decne; X, A confused species of Isachne R. Br.

11649 BREMEKAMP, C. E. B. Rubiacées nouvelles pour le Congo Belge. Brussels. Jard. Bot. de l'Etat. B. 22:97-104. June 1952. 451 B83B
Includes new species in Hutchinsonia, Pavetta, Rutidea, Grumilea, and Borreria.

11650 BROWN, J. R. Lenophyllum guttatum. Cactus & Succulent J. 24:152-153. Sept./Oct.1952. 451 C11

11651 BROWN, J. R. Notes on Haworthias. Cactus & Succulent J. 24:131-134. Sept./Oct.1952. 451 C11

11652 BULLOCK, A. A. Notes on African Asclepiadaceae. I. Kew B. 3:405-426. 1952. 451 K51B

11653 BURTT, B. L., and LEWIS, P. On the flora of Kuweit. II. Caryophyllaceae (including Illecebraceae). Kew B. 3:333-352. 1952. 451 K51B

11654 CARDENAS, M. New Bolivian Cacti. III. Cactus & Succulent J. 24:141-149. Sept./Oct.1952. 451 C11
New species in Samaipaticereus n.g., and Cleistocactus.

11655 CHAPOT, H. Le combava, Citrus de la Réunion et de Madagascar. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:377-385. July/Aug.1952. 26 R323

11656 CHATTERJEE, D. Note on the origin and distribution of wild and cultivated rices. Indian J. Genet. & Plant Breeding 11:18-22. Ref. June 1951. 64.8 In2

11657 CHEVALIER, A. L'Eucalyptus globulus à la Côte d'Azur. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:357-360. July/Aug.1952. 26 R323

11658 CHEVALIER, A. Rectifications et additions à notre note d'avril 1952: travaux français sur les Eucalyptus. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32: 356-357. July/Aug.1952. 26 R323

11659 CLAUSEN, R. E. The primary cytogenetic classes of Nicotiana. Portugaliae Acta Biol. Sér. A 1949/51:137-145. 442.8 P83

11660 COVAS, G. Nota taxonômica sobre especies sudamericanas de "Hordeum." Rev. Argentina de Agron. 19:140-142. Sept.1952. 9 R327

11661 COWAN, R. S. Plant explorations of G. Wilson-Browne, S. J., in British Guiana. I. Kanuku mountains. Brittonia 7:389-414. Oct.6,1952. 470 B77
Includes new species in Abuta, Guatteria, Licania, Swartzia, Bursera, Talisia, Elvasia, Clusia, Chiococca, Sipanea, and Calea.

11662 CUATRECASAS, J. Notas a la flora de Colombia. XII. Acad. Colomb. de Cien. Exact., Fis., y Nat. Rev. 8:464-488. June 1952. 516 Ac1
Includes new species in Fagara, Cusparia, Aeschrion, Protium, Paraprotium n.g., Dacryodes, Cupania, Paullinia, Serjania, Belotia, Mollia, Sterculia, Pterygota, Byttneria, Melochia, Theobroma and Viburnum.

11663 DEMARET, F. Complément à l'étude des espèces africaines du genre Cyclodictyon Mitt. Brussels Jard. Bot. de l'Etat. B. 22:155-164. June 1952. 451 B83B

11664 DIMITRI, M. J., and MILANO, V. A. Las plantas cultivadas en la Republica Argentina. Juglandaceas. Buenos Aires. Inst. de Bot. Plantas Cult. en la Repúb. Argentina 4(52),21 p. 1951. 451 B863P

11665 DIMITRI, M. J., and RIAL ALBERTI, F. Las plantas cultivadas en la Republica Argentina, Tiliaceas. Buenos Aires. Inst. de Bot. Plantas Cult. en la Repúb. Argentina 7(123),46 p. 1952. 451 B863P

11666 DUNN, H. A. The genus Cattleya in Panama. Orchid J. 1:319-320. Sept.1952. 80 Or174

11667 ERKAMO, V. Über Impatiens parviflora DC. in Finnland. (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:87-94. 1952. 410.9 Su7T
German summary.

11668 ERKAMO, V. Neue bzw. seltene pflanzenformen aus Finnland. (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:138-140. 1951,pub.1952. 410.9 Su7T
German summary.

11669 GERMAIN, R. Groupes nouveaux de spermatophytes de la plaine de La Ruzizi (Congo Belge). Brussels. Jard. Bot. de l'Etat. B. 22:71-78. June 1952. 451 B83B
Includes new species in Chrysochloa, Centemopsis, Raphionacme, Lindernia, Dichrospermum n.g., and Paraknoxia n.g.

11670 GERMAIN, R. Une nouvelle espèce de Schizachyrium au Congo Belge. Brussels. Jard. Bot. de l'Etat. B. 22:139-141. June 1952. 451 B83B

11671 GILBERT, G., and BOUTIQUE, R. Groupes nouveaux de Mimosacées et Caesalpiniacées. Brussels Jard. Bot. de l'Etat. B. 22:177-184. June 1952. 451 B83B
New species in Acacia and Albizzia.

11672 GILLETT, J. B. The genus Trifolium in southern Arabia and in Africa south of the Sahara. Kew B. 3: 367-404. Ref. 1952. 451 K51B
Includes new species.

11673 GUILLAUMIN, A. A propos des Eucalyptus de Nouvelle-Calédonie. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:361. July/Aug.1952. 26 R323

11674 HARRISON, J. H. Notes on the distribution of the Irish dactylorchids. Geobot. Inst. Rübel. Zürich. Veröffentl. 25:100-113. Ref. 1952. 451 Z83
Orchis spp.

11675 HAUMAN, L. Sur quelques Rosacées d'Afrique Tropicale. Brussels. Jard. Bot. de l'Etat. B. 22:87-95. June 1952. 451 B83B
Includes new species in Alchemilla, Rubus, and Pygeum.

11676 HAWKES, A. D. The ancestors of modern Dendrobium hybrids. Pacific Orchid Soc. Hawaii. B. 10: 113-119. Sept.1952. 96.2 P11

11677 HAWKES, A. D. The components of the genus Cattleya Ldl. Orchid J. 1:338-340, (Cont.) Sept.1952. 80 Or174

11678 HAWKES, A. D. Habitat notes on Cyrtopodium punctatum. Orchid J. 1:296-297. July/Aug.1952. 80 Or174

11679 HOLLAND, L. J. Meeting the plant families. Onagraceae: evening-primrose family. Green Thumb [Denver] 9(11):10-11. Nov.1952. 80 G82

11680 HOWELL, J. T. Eriogonum notes III. Confusions in E. ursinum. L. West. Bot. 6:225-229. Nov. 1952. 450 L47

11681 HOWELL, J. T. Some altitudinal records from the southern Sierra Nevada, California. L. West. Bot. 6: 229-230. Nov.1952. 450 L47

11682 HOYLE, A. C. Notulae systematicae africanae. I. Deux varietés nouvelles de Brachystegia spiciformis (Caesalpiniaceae). Brussels. Jard. Bot. de l'Etat. B. 21:361-364. Dec.1951. 451 B83B

11683 HUBBARD, C. E. Gramineae australienses. IV. Spartochloa, a new genus of Australian grasses. Kew B. 3:307-308. 1952. 451 K51B

11684 JEUKEN, M. A monograph of the genus Isonandra. Blumea 6:547-579. May 15,1952. 450 B62

11685 JOHNSON, H. A Cactus collector in the Andes. IV. Cactus & Succulent J. 24:135-137. Sept./Oct.1952. 451 C11

11686 KAUL, K. N. Some interesting features of the distribution of palms in relation to their origin. Indian J. Genet. & Plant Breeding 11:108-110. June 1951. 64.8 In2

11687 KELSO, L. The summit plants of Mt. Evans [Colorado]. Biol. L. 59,7 p. June 9,1952. 442.8 B528

11688 KELSO, L. The tweedy willow [Salix tweedyi] and evidence of chrysantheae stock in Colorado. Biol. L. 61,5 p. Oct.2,1952. 442.8 B528
Includes S. dissymmetrica n. sp.

11689 KOSTERMANS, A. J. G. H. Some new names in African species of Beilschmiedia Nees (Lauraceae). Brussels. Jard. Bot. de l'Etat. B. 22:137-138. June 1952 451 B83B

11690 KRAPOVICKAS, A. Notas cito-taxonomicas en Nototriche (Malvaceae). I. Estac. Expt. de Manfredi. P. 5:109-116. Oct.1951. 102.5 M31P

11691 KROCHMAL, A. Seeds of weedy Euphorbia species and their identification. Weeds 1:243-255. Ref. Apr.1952. 79.8 W41

11692 LAINE, L. Neuer fundort für Carex pediformis C. A. Mey. in Mäntsälä (U). (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon Tiedonannot 6:128-129. 1951,pub.1952. 410.9 Su7T
German summary.

11693 LAINE, L. Viola uliginosa Bess. in Mäntsälä, Südfinnland, gefunden. (In Finnish) Suomalaisen Eläin ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:123-12 . 1951,pub.1952. 410.9 Su7T
German summary.

11694 LAM, H. J., and VAN ROYEN, P. Burckella Pierre. Blumea 6:580-593. May 15,1952. 450 B62

11695 LAWALREE, A. Le genre Rumex sous-genre acetosella en Belgique. Brussels. Jard. Bot. de l'Etat B. 22:79-89. June 1952. 451 B83B

11696 LAWALREE, A. Ulmus hollandica Mill. en Belgique. Brussels. Jard. Bot. de l'Etat. B. 22:65-70. June 1952. 451 B83B

11697 LEFORT, L. Quelques groupes infra-spécifiques luxembourgeois de Fumaria officinalis. L. Soc. des Nat. Luxemb. B. (n.s.)44:180-181. 1950,pub. 1951. 410.9 So127

11698 LEONARD, J. Notulae systematicae. XI. Les Cynometra et les genres voisins en Afrique Tropicale. Brussels. Jard. Bot. de l'Etat. B. 21:373-450. June 1952. 451 B83B
Includes new species in Zenkerella, Lebruniodendron n.g. and Neochevalierodendron n. g.

11699 LEONARD, J. Notulae systematicae. XII. Les genres Macrolobium Schreb. et Gilbertiodendron J. Léonard au Congo Belge (Caesalpiniaceae). Brussels. Jard. Bot. de l'Etat. B. 22:185-191. June 1952. 451 B83B

11700 LEWIS, G. J. A note on the rediscovery of Thunberg's 'Gladiolus flexuosus' and a complete description of the plant. So. African Mus. Ann. 40:1-5. Sept. 1952. 515 So82

11701 LEWIS, G. J. Plantae novae africanae. So. African Mus. Ann. 40:6-14. Sept.1952. 515 So82
New species in Neopatersonia, Urginea, Aristea, Lapeyrousia, and Ixia.

11702 LÖFVENMARK, H. Ryegrass and meadow fescue. (In Swedish.) Beten-Vallar-Mossar 4:89-92. Aug.1952. 11 B46

11703 LÖFVENMARK, H. Three species of the grass family fescue (Festuca). (In Swedish.) Beten-Vallar-Mossar 4:40-42. Apr.1952. 11 B46

11704 LUISIER, A. Bacopa monniera (L.) Wettst. in Portugal. (In Portuguese.) Brotéria 21:196-201. 1952. 410 B79C

11705 LYNN, H. W. The world of Primulas. Amer. Primrose Soc. Q. 10(2):16-17. Oct.1952. 96.575 Am3

11706 MCMILLAN, C. Senecio saxosus Klatt in the Great Basin. L. West. Bot. 6:221-223. Nov.1952. 450 L47

11707 MCVAUGH, R. Suggested phylogeny of Prunus serotina and other wide-ranging phylads in North America. Brittonia 7:317-346. Oct.6,1952. 470 B77

11708 MARKGRAF, F. Uber einige nordatlantische blütenpflanzen Irlands. Geobot. Inst. Rübel. Zürich. Veröffentl. 25:143-146. Ref. 1952. 451 Z83

11709 MARKGRAF-DANNENBERG, I Studien an irischen Festuca-rassen. Geobot. Inst. Rübel. Zürich. V Veröffentl. 25:114-142. Ref. 1952. 451 Z83

11710 MARZOCCA, A. Las plantas cultivadas en la Republica Argentina: Apocinaceas. Buenos Aires. Inst. de Bot. Plantas Cult. en la Repúb. Argentina 9(163),68 p. Ref. 1952. 451 B863P

11711 MARZOCCA, A., and MARTHI, C. E. M. Las plantas cultivadas en la Republica Argentina. Ramnaceas Buenos Aires. Inst. de Bot. Plantas Cult. en la Repúb. Argentina 7(120),48 p. 1951. 451 B863P

11712 MASSEY, A. B. Evergreen shrubs, vines and ground cover native in Virginia. Va. Wildlife 13(12):8-9. Dec.1952. 410 V81

11713 MATHIAS, M. E., and CONSTANCE, L. Supplementary notes on the genus Tauschia (Umbelliferae). Amer. J. Bot. 39:652-655. Nov.1952. 450 Am36
Includes new species.

11714 MELVILLE, R. The elms of the Dumortier Herbarium. Brussels. Jard. Bot. de l'Etat. B. 21:347-351. Dec.1951. 451 B83B

11715 MENAGER, H. Les Eucalyptus dans le Gharb (Maroc Occidental). Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:309-355. Ref. July/Aug.1952. 26 R323

11716 MEYER, F. G. Sumacs [Rhus] relatives of poison ivy. Aboretum B. 15(3):16-21,27. Fall 1952. 451 Ar1

11717 MILANO, V. A. Las plantas cultivadas en la Republica Argentina. Loganiaceas. Buenos Aires. Inst. de Bot. Plantas Cult. en la Repúb. Argentina 9(162), 16 p. 1951. 451 B863P

11718 MILLER, J. H. Stauropsis - a little-known Philippine genus. Orchid J. 1:268-271. July/Aug.1952. 80 Or174

11719 MOLDENKE, H. N. Amaryllis traubii, sp. nov. Euclides 12:378-379. Sept.1952. 475 Eu2

11720 MØLLER, H. New finds of Juncus macer in Vestfold fylke. (In Norwegian.) Blyttia 10:10. 1952. 450 B622
English summary.

11721 MOWRY, H. Native and exotic palms of Florida, revised by R. D. Dickey and E. West. Fla. Agr. Col. Ext. B. 152,70 p. June 1952. 275.29 F66
Formerly Bulletin 84.

11722 NELMES, E. Notes on Cyperaceae. XXX. Submersed species of Eleocharis with 1-flowered spikelets). Kew B. 3:289-290. 1952. 451 K51B
Includes E. monantha n. sp.

11723 NORDHAGEN, R. Contributions to the flora of Norway. II. New records of Euphrasia lapponica Th. Fr. fil. from Norway. (In Norwegian.) Blyttia 10:29-50. 1952. 450 B622
English summary.

11724 NORMAND, D., and CAVACO, A. Observations taxonomiques et xylologiques sur le genre Pinacopodium Exell et Mendonca. Brussels. Jard. Bot. de l'Etat. B. 21:451-463. Dec.1951. 451 B83B

11725 O'DONELL, C. A. New Brazilian Convolvulaceae. (In Portuguese.) Dusenia 3:275-282. July 31,1952. 410 D94
In Merremia and Ipomoea.

11726 OLIVER, W. R. B. A revision of the genus Dracophyllum: supplement. Roy. Soc. New Zeal. Trans. 80:1-17. June 1952. 514 W46

11727 PARDY, A. A. Notes on indigenous trees and shrubs of Southern Rhodesia. Rhodesia Agr. J. 49:215-220. July/Aug.1952. 24 R34

11728 PARTHASARATHY, N. Some cytogenetical aspects of the origin of sugarcane. Indian J. Genet. & Plant Breeding 11:63-66. June 1951. 64.8 In2

11729 PESOLA, V. A. Notes on the aquatic vegetation in the communes of Kuusamo and Salla, NE Finland. (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:102-104. 1951,pub.1952. 410.9 Su7T
English summary.

11730 PICHON, M. Classification des Apocynacées XXXIV. Les Malouetiinae d'Afrique. Brussels. Jard. Bot. de l'Etat. B. 22:115-135. June 1952. 451 B83B
Includes new species in Malouetia, and Malouetiella n.g.

11731 PICHON, M. Extension au Congo Belge de l'aire de quelques Apocynacées. Brussels. Jard. Bot. de l'Etat. B. 22:107-114. June 1952. 451 B83B

11732 RANTANIEMI, P. A. Epipactis palustris (L.) Cr. found at an isolated locality in the commune of Tervola, North Finland. (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:136-138. 1951,pub.1952. 410.9 Su7T
English summary.

11733 RIZZINI, C. T. Genus novum Acanthacearum brasiliae. Rev. Bras. de Biol. 12:261-263. Oct.1952. 442.8 R326
Morsacanthus n.g.

11734 RIZZINI, C. T. De Piperaceis tribus, nova minusque cognitis, ad genus Ottoniam relatis. (In Portuguese.) Dusenia 3:263-266. July 31,1952. 410 D94
Includes new species in Ottonia.

11735 ROBYNS, W., and VEKEN, P. VAN DER. Digitariae novae congolanae africanaeque. Brussels. Jard. Bot. de l'Etat. B. 22:143-153. June 1952. 451 B83B

11736 ROIVAINEN, H. New localities of Ranunculus cymbalaria Pursh in Finland. (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:105-106. 1951,pub.1952. 410.9 Su7T
English summary.

11737 ST. VINCENT, I. British wild flowers. London,Blackie,1952? 64 p. 458 Sa22

11738 SAMPATH, S., and RAO, M. B. V. N. Interrelationships between species in the genus Oryza. Indian J. Genet. & Plant Breeding 11:14-17. Ref. June 1951. 64.8 In2

11739 SANDWITH, N. Y. Contributions to the flora of Tropical America. LV. Discovery of Anisophyllea in America. Kew B. 3:303-306. Ref. 1952. 451 K51B
Includes A. guianensis n. sp.

11740 SCHELPE, E. A. C. L. E A revision of the African species of Blechnum. Linn. Soc. London. J. Bot. 53:487-510. Ref. July 29,1952. 451 L64J

11741 SCHULTES, R. E. La familia de las Velloziaceas en Colombia. Acad. Colomb. de Cien. Exact., Fis., y Nat. Rev. 8:458-463. June 1952. 516 Ac1

11742 SEISKARI, P. Chamaedaphne calyculata (L.) Moench found in the province of Satakunta, SW Finland. (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:107. 1951,pub.1952. 410.9 Su7T
English summary.

11743 SKUTCH, A. F. Scarlet passion-flower [Passiflora vitifolia]. Nat. Mag. 45:523-525,550. Dec.1952. 409.6 N214

11744 STEBBINS, G. L., JR., and WALTERS, M. S. The evolutionary significance of two synthetic allopolyploid species of Bromus. Portugaliae Acta Biol. Sér. A 1949/51:106-136. Ref. 442.8 P83

11745 STEYAERT, R. L. Description de Cassia nouveaux pour la flore du Congo Belge. Brussels. Jard. Bot. de l'Etat. B. 21:357-360. Dec.1951. 451 B83B

11746 STEYAERT, R. L. Description de Sida nouveaux du Congo Belge (Malvaceae). Brussels. Jard. Bot. de l'Etat. B. 22:105-106. June 1952. 451 B83B

11747 STØRMER, P. Trifolium montanum introduced in Eidanger, SE Norway. (In Norwegian.) Blyttia 10:10. 1952. 450 B622
English summary.

11748 TROUPIN, G. Plantae africanae. II. (Connaraceae). Brussels. Jard. Bot. de l'Etat. B. 21:365-372. Dec.1951. 451 B83B
New species in Manotes, Agelaea, Cnestis, and Connarus.

11749 VAN ROYEN, P. Mimusops L. Blumea 6:594-595. May 15,1952. 450 B62

11750 WAGNON, H. K. A revision of the genus Bromus, section Bromopsis, of North America. Brittonia 7:415-480. Ref. Oct.6,1952. 470 B77

11751 WEBER, W. A. The glabrate form of Wyethia arizonica. L. West. Bot. 6:223-225. Nov.1952. 450 L47

11752 WILCZEK, R. Une espece nouvelle de Kaoue Pellegr. du Congo Belge. Brussels. Jard. Bot. de l'Etat. B. 21:353-355. Dec.1951. 451 B83B

11753 WILLIAMS, L. O. Cattleyas of Mexico, Central America & Panama. Orchid J. 1:311-313. Sept.1952. 80 Or174

11754 YUNCKER, T. G. New species of Peruvian and Colombian Piperaceae. Amer. J. Bot. 39:633-636. Nov.1952. 450 Am36
Piper and Peperomia.

Bryophytes

11755 GAMS, H. Beiträge zur verbreitungsgesch chte und vergesellschaftung der ozeanischen Archegoniaten in Europa. Geobot. Inst. Rübel. Zürich. Veröffentl. 25:147-176. 1952. 451 Z83
English summary.

11756 STØRMER, P. New records of Norwegian bryophytes. II. Blyttia 10:51-61. 1952. 450 B622

Algae

11757 BØRGESEN, F. Some marine algae from Mauritius:additions to the parts previously published. IV. Danske Vidensk. Selsk. Biol. Meddel. 18(19),72 p. 1952. 442.9 D23

11758 CHAPMAN, V. J. New entities in the Chlorophyceae of New Zealand. Roy. Soc. New Zeal. Trans. 80:47-58. June 1952. 514 W46
Includes new species in Letterstedtia, Lobata n.g., Gemina n.g., Capsosiphon, Capsosiphonaceae n. fam., and Rama n.g.

11759 GEITLER, L. Die auxosporenbildung von Nitzschia sigmoidea und die geschlechtsbestimmung bei den Diatomeen. Portugaliae Acta Biol. Sér. A 1949/51: 79-87. Ref. 442.8 P83

11760 KUFFERATH, H. Recherches sur le plancton de la mer flamande (Mer du Nord Meridionale). II. Inst. Roy. des Sci. Nat. de Belg. B. 28(10),39 p. Jan.1952. 504 B835B

11761 LOOIJEN, A. J. L. Water bloom [Aphanizomenon]. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:225-228. Sept.1952. 12 N282

11762 PALMINHA, F. Contribution to a study of Portuguese marine algae. I. (In Portuguese.) Soc. Portug. de Ciên. Nat. B. (ser.2)3:226-250. Ref. 1951. 506 So1

Fungi (Including Lichens)

11763 ALEXOPOULOS, C. J. Introductory mycology. New York,Wiley,1952. 482 p. 462.2 AL2

11764 BATISTA, A. C. Mention of new imperfect fungi. (In Portuguese.) Pernambuco. Sec. de Agr., Indús. e Com. B. 19:143-150. Jan./June 1952. 9.2 P423

11765 BATISTA, A. C., and VITAL, A. F. Monograph on the species of Phyllosticta in Pernambuco. (In Portuguese.) Pernambuco. Sec. de Agr., Indús. e Com. B. 19:1-80. Ref. Jan./June 1952. 9.2 P423

11766 BATISTA, A. C. Two new genera of imperfect fungi. (In Portuguese.) Pernambuco. Sec. de Agr., Indús. e Com. B. 19:108-111. Jan./June 1952. 9.2 P423
Brachysporiella and Pycnothyriella.

11767 COX, R. S., and COMEGYS, W. R. Notes on apparently undescribed species of Rhizoctonia on conifer seedlings. (Abs.) Phytopathology 42:464-465. Sept.1952. 464.8 P56

11768 DAMON, S. C. On the fungus genera Titaea, Monogrammia, and Araneomyces. Wash. Acad. Sci. J. 42:365-367. Nov.1952. 500 W276J

11769 DENNIS, R. W. G. The author of Inocybe geophylla var. lateritia. Kew B. 3:437-438. 1952. 451 K51B

11770 DENNIS, R. W. G. The Laschia complex in Trinidad and Venezuela. Kew B. 3:325-332. 1952. 451 K51B
Includes Favolaschia singeriana n. sp.

11771 DENNIS, R. W. G. Some fungi erroneously assigned by Persoon to the Discomycetes. Kew B. 3: 301-302. 1952. 451 K51B

11772 ECKBLAD, F. E. An account of the Geastrum-species in Norway. (In Norwegian.) Blyttia 10:1-9. Ref. 1952. 450 B622
English summary.

11773 EVANS, A. W. The Cladoniae of Florida. Conn. Acad. Arts & Sci. Trans. 38:249-336. Ref. Sept. 1952. 500 C76T

11774 FISCHER, G. W., and SHAW, C. G. Some problems of species concept and nomenclature in the smut fungi. (Abs.) Phytopathology 42:479. Sept.1952. 464.8 P56

11775 GRASSO, V. Claviceps species on Italian Gramineae. III. (In Italian.) Ann. della Sper. Agr. (n.s.) 6:1173-1205. 1952. 16 An76
English summary.

11776 HEIM, R. Les Termitomyces du Congo Belge recueillis par Madame M. Goossens-Fontana. Brussels. Jard. Bot. de l'Etat. B. 21:205-222. Dec.1951. 451 B83B

11777 HEINEMANN, P. Champignons récoltés au Congo Belge par Madame M. Goossens-Fontana.I. Boletineae. Brussels. Jard. Bot. de l'Etat. B. 21:223-346. Dec.1951. 451 B83B
Includes new species in Gyroporus, Phlebopus, Phylloporus, Xerocomus, Boletochaete, Boletellus, Pulveroboletus, Tylopilus, Krombholzia, Porphyrellus, and new sfam. Boletelloideae.

11778 KATSUKI, S. Notes on some new or noteworthy fungi in Kyushu. 3. Kyushu Noji Shikenjo 9:7-8. Mar.1952. 107.6 K996
Includes new species in Coleroa.

11779 KUHLWEIN, H. Untersuchungen über Chondromyces apiculatus Thaxter(?). Arch. f. Mikrobiol. 17:403-407. Ref. 1952. 442.8 Ar26

11780 LUC, M. Ophiostoma moniliforme (Hedgc.) H. et P. Syd. et ses diverses formes. Rev. de Mycol. Sup. Colon. 17(1):10-16. July 1,1952. 450 R327

11781 LUTTRELL, E. S. A comparison of Helminthosporium sativum and H. victoriae. (Abs.) Phytopathology 42:469. Sept.1952. 464.8 P56

11782 MOREAU, C. Coexistence des formes Thielaviopsis et Graphium chez une souche de Ceratocystis major (van Beyma) nov. comb.;remarques sur les variations des Ceratocystis. Rev. de Mycol. Sup. Colon. 17(1): 17-25. Ref. July 1,1952. 450 R327

11783 NAKASHIMA, H., and OUCHIYAMA, O. On the waradaidake (Volvaria sp.) (In Japanese.) Kyushu Noji Shikenjo 9:107-108. Mar.1952. 107.6 K996

11784 RASANEN, V. Lichenes novi. VII. Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot ja Pöytäkirjat 6:80-86. 1951,pub.1952. 410.9 Su7T
Includes new species in Gyrophoropsis, Parmelia, Lecanora, Aspicilia, Callopisma, Rinodina, Lobaria, Lecidea, Rhizocarpon, Phlyctis, and Thelidiopsis.

11785 RASANEN, V. Lichens from Luostotunturi and Askankylä, commune of Sodankylä KemL. (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:99-102. 1952. 410.9 Su7T
English summary .

11786 SHARP, E. L., and SMITH, F. G. Studies on the lyophilization of Puccinia uredospores. (Abs.) Phytopathology 42:480. Sept.1952. 464.8 P56

11787 SINGER, R. Russulaceae of Trinidad and Venezuela. Kew B. 3:295-301. 1952. 451 K51B
Includes new species in Russula and Lactarius.

11788 SUBRAMANIAN, C. V. Studies on south Indian Fusaria. I. Fusarium vasinfectum Atk., with a note on its varieties and forms. Natl. Inst. Sci. India. Proc. 18:273-285. Ref. July/Aug.1952. 513 N212

11789 WALKER, J. Fracchiaea sp. Austral. Plant Dis. Recorder 4:39. July 1952. 464.8 Au7

PATHOLOGY

General

11790 AISO, K., and others. Studies on the Streptomyces antibiotics active against fungi and yeast. IV. J. Antibiotics 5:490-491. Sept.1952. 396.8 J824
T. Arai, I. Shidara, K. Ogi, and T. Tanaami, joint authors.

11791 ANDERSON, R. H. The red leaf disease of rhubarb. West. Canad. Soc. Hort. Rpt. Proc. 8:82-84. 1952. 82 W522

11792 ANDERSON, R. L. Mistletoes don't all mean romance; some cause witches broom. Minn. Farm & Home Sci. [Minn. Sta.] 10:20. Oct.1952. 100 M688
Witches broom on Picea mariana.

11793 ANDRÉN, F. Results of the 1950-51 grain treatment experiments. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1:8-11. Feb.1952. 464.9 Sw3V

11794 BEAUMONT, A. Diseases of lilacs. Gard. Chron. 132:184-185. Nov.8,1952. 80 G162

11795 BERNARD, C. J. Influence des produits phytopharmaceutiques sur les équilibres biologiques naturels. Cong. Internaz. Indus. Agr. Relaz. 9(1):215-222. 1952. 388 C765Re
Fungicides and insecticides.

11796 BLODGETT, E. C. Prune diseases. Idaho State Hort. Soc. Trans. 1951:20-25. 81 Id12

11797 BOURIQUET, G. La défense des cultures dans les territoires français d'Outre-Mer. Phytoma 5(40): 23-29. Aug./Sept.1952. 464.8 P563

11798 BREMER, H., and ÖZKAN, M. Durch die natur des landes bedingte probleme aus der pathologie der landwirtschaftlichen kulturpflanzen in der Türkei. (In Turkish.) Bitki Koruma B. 3:3-13. Ref. July 1952. 464.8 B54
German summary.

11799 CAMPBELL, L. Bud rot of rhubarb. (Abs.) Phytopathology 42:512. Sept.1952. 464.8 P56

11800 CARRERA, C. J. H. La enfermedad de los almacigos de las Coníferas. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:191-192. 1951/52. 9 Ag874

11801 CLAYTON, E. E. Control of tobacco diseases through resistance—1912 to 1952. (Abs.) Phytopathology 42:482. Sept.1952. 464.8 P56

11802 COLLOMB, C. Les tendances actuelles de la technique française en matière d'appareils de défense chimique des végétaux. Phytoma 5(40):55-58. Aug./Sept. 1952. 464.8 P563

11803 CONROY, R. J. Onion diseases in New South Wales during the current season. Austral. Plant Dis. Recorder 4:8. Jan.1952. 464.8 Au7

11804 COONS, G. H. Control of sugar beet diseases through resistance, 1918-1952. (Abs.) Phytopathology 42:482. Sept.1952. 464.8 P56

11805 CROSIER, W. F. Detection of seed-borne pests—an international problem. Farm Res. [N. Y. State Sta.] 18(4):6. Oct.1952. 100 N48A
Plant parasites, including bacteria, fungi, insects, nematodes, and viruses.

11806 CROWDY, S. H. The chemotherapy of plant disease. Empire J. Expt. Agr. 20:187-194. Ref. July 1952. 10 Em7

11807 ČURKIĆ, J. Antibiotics in plant protection. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12): 18. Aug.1952. 21.5 V87

11808 DAVIDSSON, I. Diseases of cucumbers, tomatoes and roses. (In Icelandic.) In Islenska Garðyrkjufjelag. Gróðurhúsabokin, p.64-96. Reykjavik,1951. 91 Is4

11809 DAVIS, D. Inducing disease resistance with plant growth-regulators. (Abs.) Phytopathology 42:465. Sept.1952. 464.8 P56

11810 DELBARD, G. Les méfaits des gelées tardives sur la floraison des arbres fruitiers dans le Centre. Jard. de France 126:184-187. Aug./Sept.1952. 86 So13

11811 DENMARK. STATENS FORSØGSVIRKSOMHED I PLANTEKULTUR. Specialpraeparater til bekaempelse af plantesygdomme og skadedyr anerkendte af Statens Forsøgsvirksomhed. Gyldig for aret 1952. [Special preparations for the control of plant diseases and pests approved by the State Research Agency. Valid for the year 1952.] Denmark,1952. 23 p. 464.4 D41

11812 DIVJAKOVIĆ, J. Supplemental spraying of corn - an important agrotechnical measure. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):4-5. Aug. 1952. 21.5 V87

11813 DUMAS, P. La protection des végétaux en France. Phytoma 5(40):17-22. Aug./Sept.1952. 464.8 P563

11814 EARHART, R. W. Small grain diseases of the Southeastern Coastal Plain, 1951-52. Plant Dis. Rptr. 36:420-422. Nov.15,1952. 1.9 P69P

11815 ELAGIN, I. Ice injuries to forests. (In Russian.) Priroda 41(8):119. Aug.1952. 410 P933

11816 FABER, W., and others. Wichtige krankheiten und schädlinge der kartoffel. Wien,Bundesanstalt für Pflanzenschutz,1952. 59 p. 464.045 F11
J. Henner, J. Schönbrunner, and H. Wenzl, joint authors.

11817 FITZWATER, W. D. Field mice. Pest Control 20(10):30,74. Oct.1952. 449.8 Ex8

11818 FLORIDA. AGRICULTURAL EXPERIMENT STATION. Handbook on pesticides and their uses in Florida agriculture. Rev. Gainesville,1951. 131 p. 464.4 F66
Florida Agricultural Extension Service, Florida Industry Organics Committee, and U. S. Fish and Wild Life Service cooperating.

11819 FRANK, F. Über eine vorbeugende feldmausbekämpfung und erfahrungen mit verschiedenen giftgetreidesorten. Nachrbl. des Deut. Pflanzenschutzdienstes 4:85-90. June 1952. 442.9 B832

11820 FRASER, L. R. A disease of seedling citrus. Austral. Plant Dis. Recorder 4:18-19. Apr.1952. 464.8 Au7

11821 GOIDANICH, G. The 'red-spot' disease of the peach leaves. (In Italian.) Ann. della Sper. Agr. (n.s.) 6:1267-1270. 1952. 16 An76
English summary.

11822 GOTO, S. The morbid change caused by the yellow dwarf of rice plant. (In Japanese.) Kyushu Noji Shikenjo 9:15-16. Mar.1952. 107.6 K996

11823 GOULD, C. J., and MCLEAN, D. M. Black rot of Iris, tulip, and hyacinth bulbs. (Abs.) Phytopathology 42:514. Sept.1952. 464.8 P56
Organism not identified.

11824 GREMER, H., and OZKAN. Problèmes ayant trait à la pathologie des plantes agraires cultivées en Turquie, posés par la nature même du pays. Path. Gén. 52:463-471. July 1952. 448.8 R326

11825 HARISPE, J. V. L'usage des produits phytopharmaceutiques; leur influence sur la qualité des matières premières des industries agricoles, ainsi que sur le cultures associées, les cultures voisines et celles de l'assolement. Cong. Internaz. Indus. Agr. Relaz. 9(1):401-414. Ref. 1952. 388 C765Re
English summary.

11826 HELTON, A. W. Maintaining high quality fruits through disease prevention. Idaho State Hort. Soc. Trans. 1952:7-10. 81 Id12

11827 HEWITT, W. B. Transmission of the factor causing "white Emperor" through different grape stocks. (Abs.) Phytopathology 42:514. Sept.1952. 464.8 P56

11828 HINKE, A. Notes from the fruit culture circle at Thurø. (In Danish.) Gart.-Tid. 68:420-422. (Cont.) Oct.27,1952. 80 G192
Control of diseases and pests.

11829 HORIGUCHI, H., YAMASHINA, H., and SHOJI, M. The effect of new organic agricultural chemicals on crops. 1. (In Japanese.) (Abs.) Oyo-Kontyu 7:81-82. Aug.1951. 421 Oy6

11830 HUGLIN, P. Die infektiösen abbaukrankheiten der rebe. Weinbau 7:519-521. Ref. Sept.20,1952. 390.8 W432

11831 HUNGERFORD, C. W. Disease resistant field beans for Idaho. Idaho. Agr. Expt. Sta. C. 118,11 p. July 1952. 100 Id1

11832 JACOB, J. C. S'. Resistance investigation methods for the use of the grower. (In Dutch.) Zaadbelangen 6:164-165,172-173. July 31-Aug.15,1952. 61.8 Z1

11833 JANCKE, O. Richtige prognosen ersparten dem weinbau der Pfalz millionenbeträge! Gesunde Pflanzen 4:274-277. Oct.1952. 464.8 G33

11834 JANOVAC, Ž. The two most important potato diseases in Vojvodina. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):15-18. Aug:1952. 21.5 V87

11835 JEFFERSON, R. N. The control of slugs, varying degrees of success achieved with metaldehyde sprays and dusts. Florists' Rev. 111(2869):29-30,123-127. Nov.20,1952. 80 W41

11836 JOHANSSON, N. O. Antibiotics and plant protection. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 2:17-20. May 1952. 464.9 Sw3V
Effects of antibiotics on plant diseases.

11837 JONES, L. G. Seed production in the southwestern United States in relation to the insect and disease problems. Alfalfa Impr. Conf. Rpt. 13:42-44. 1952. 60.9 AL2

11838 JUSCAFRESA, B. Prácticas erróneas o acertadas en la desinfección de semillas. Ceres [Valladolid] 17(195):34-35. Sept.1,1952. 15 C33

11839 KREITLOW, K. W., and SHERWIN, H. S. Infectivity of dried inoculum of some foliar pathogens. (Abs.) Phytopathology 42:469. Sept.1952. 464.8 P56

11840 KREITLOW, K. W. The relative importance of various alfalfa diseases in the eastern United States. Alfalfa Impr. Conf. Rpt. 13:32. 1952. 60.9 AL2

11841 LANGE, W. H., JR., and SCIARONI, R. H. Metaldehyde dusts for control of slugs affecting brussels sprouts in Central California. J. Econ. Ent. 45:896-897. Oct.1952. 421 J822

11842 LAW, A. G. Seed production in the Pacific Northwest in relation to insect and disease problems. Alfalfa Impr. Conf. Rpt. 13:45-48. 1952. 60.9 AL2

11843 LEPIGRE, A. L. Phytopharmacie et stockage des denrées. Phytoma 5(40):45-47. Aug./Sept.1952. 464.8 P563

11844 LEVIN, J. H., and GASTON, H. P. How to reduce losses caused by apple bruising. Mich. State Col. Agr. Ext. Folder F-172,6 p. June 1952. 275.29 M58Ex

11845 LOCKWOOD, S., and WEIGLE, C. G. Dormant spray schedules for deciduous fruit trees. Blue Anchor 29(4):10-11. Nov.1952. 286.83 B62

11846 LUCE, W. A. Winter injury. Idaho State Hort. Soc. Trans. 1951:15-19. 81 Id12
Fruit.

11847 LUCHETTI, G. Report on the most interesting plant diseases observed in Ferrara during the years 1948-51. (In Italian.) Not. sulle Mal. delle Piante 19:59-76. Ref. Apr./June 1952. 464.8 N84
English summary.

11848 MCKAY, R. Sugar beet diseases in Ireland. Dublin,Irish Sugar,1952. 77 p. 464.043 M19

11849 MCLENNAN, H. A. The relative importance of alfalfa diseases in eastern Canada. Alfalfa Impr. Conf. Rpt. 13:33. 1952. 60.9 AL2

11850 MAGEE, C. J. Disease survey in Papua/New Guinea. Austral. Plant Dis. Recorder 4:25-26. Apr. 1952. 464.8 Au7

11851 MARCHIONATTO, J. B. Influencia de las practicas culturales en las enfermedades de las plantas. Argentina. Min. de Agr. y Ganad. Almanaque 26/27: 86-87. 1951/52. 9 Ag874

11852 MARCHIONATTO, J. B. Semana de defensa sanitaria de la producción vegetal. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:321-322. 1951/52. 9 Ag874

11853 MARTYN, E. B. Diseases of coconuts in Trinidad and Tobago. Agr Soc. Trinidad & Tobago. Proc. 52:145-147,149. June 1952. 8 T73

11854 MASSEY, L. M. Keeping roses healthy! Amer. Rose Mag. 10(10):20-21. Oct.1952. 80 Am327A

11855 MATSUNAGA, M. On the effect of the seed disinfection for brown spot of broad-bean. Kyushu Noji Shikenjo 9:19-20. Mar.1952. 107.6 K996

11856 MENON, K. P. V., NAIR, U. K., and PANDALAI DALAI, K. M. Influence of waterlogged soil conditions on some fungi parasitic on the roots of the coconut palm. Indian Coconut J. 5:71-79. Jan./Mar.1952. 77.8 In2

11857 MENON, K. P. V., and NAIR, U. K. Scheme for the investigation of the root and leaf diseases of the coconut palm in south India. Indian Coconut J. 5:81-100. (Cont.) Jan./Mar.1952. 77.8 In2

11858 MINEV, K. Bolesti na ovosnite drvja [Diseases of fruit trees]. Skopje,"Zadružen Život,"1951. 93 p. 464.06 M66

11859 MOREAU, C. Les maladies parasitaires des principales cultures coloniales. IX. Rev. de Mycol. Sup. Colon. 17(1):30-47. Ref. July 1,1952. 450 R327
Includes citrus, bananas, sugarcane and cotton.

11860 MURPHY, H. C. Problems involved in breeding oats for disease resistance. (Abs.) Phytopathology 42:482-483. Sept.1952. 464.8 P56

11861 MUTILO, I. Z. Measures for controlling frost destruction of winter wheat. (In Russian.) Sovet. Agron. 10(10):28-31. Oct.1952. 20 So84
Culture.

11862 NAKASHIMA, H. and AOI, I. On the damage of salty-winds caused by typhoon-Marge. (In Japanese.) Kyushu Noji Shikenjo 9:105-106. Mar.1952. 107.6 K996

11863 NELSON, P. E., and WILHELM, S. Strawberry root anatomy with special reference to black root rot. (Abs.) Phytopathology 42:517. Sept.1952. 464.8 P56

11864 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Blueberry insect and disease control chart, 1952, by C. A. Doehlert, M. T. Hutchinson, and A. C. Goheen. New Brunswick,1952? 275.29 N46BL

11865 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Cranberry insect and disease control chart, 1952, by C. A. Doehlert, A. C. Goheen, and M. T. Hutchinson. New Brunswick,1952? 275.29 N46Cr

11866 NICOLINI, J. C. Control de la caida de las aceitunas. Chacra 23(264):33,56. Nov.1952. 9 C34

11867 ODERKIRK, G. C. Now is the time to act! Controlling animal pests in the nursery. Amer. Nurseryman 96(11):11,52-54. Dec.1,1952. 80 Am371

11868 ROBERTS, D. A., SHERWOOD, R. T., and FEZER, K. D. Diseases of forage crops in New York, 1952. Plant Dis. Rptr. 36:416-418. Nov.15,1952. 1.9 P69P

11869 ROL, R. La protection de la fôret française. Phytoma 5(40):39-43. Aug./Sept.1952. 464.8 P563

11870 RUPP, E. Wheats that fight back. Capper's Farmer 63(11):24,64-65. Nov.1952. 6 M693
Disease resistant varieties.

11871 SAHA, J. C. Efficacy of quarantine in controlling pests and diseases. Bot. Soc. Bengal. B. 5:25-30. Apr.1951,pub.Mar.31,1952. 451 B659
Animal and plant diseases, insects pests.

11872 SAMUEL, C. K. The red-vented bulbul, Molpastes cafer (Linnaeus) as a pest of vegetable crops in Delhi. Indian J. Ent. 12:113-114. June 1950,pub.June 1951. 420 In23

11873 SCASSO, J. M. La defensa de las plantaciones citricas. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:291-301. 1951/52. 9 Ag874
Disease and pest control.

11874 SHAW, C. G. Injury to trees and shrubs in the State of Washington as a result of air pollution. Arboretum B. 15(3):22-23,30-31. Fall 1952. 451 Ar1

11875 SMOLÁK, J. Attention to be given to the proper means of plant protection. (In Czech.) Za Socialist. Zeměděl. 2:778-788. July 1952. 19.5 Z1
Czechoslovakia.

11876 SPAIN. DIRECCIÓN GENERAL DE AGRICULTURA. JEFATURA AGRONOMICA DE VALLADOLID. Cartilla divulgadora de plagas del campo para esta provincia. Ed. 3. Valladolid,1951. 119 p. 464.4 Sp1

11877 STEVENSON, F. J. Inheritance of disease resistance in the potato. (Abs.) Phytopathology 42:483. Sept.1952. 464.8 P56

11878 STOUTEMAS, E. Will U. S. A. permit importation of Azaleas grown in peat? (In Flemish.) Tuinbouwberichten 16:61-62. Apr.15,1952. 80 T817

11879 TUNBLAD, B. Leaf fall and leaf injuries 1952. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 4:98-99. 1952. 86 Sv2F
Fruit trees.

11880 VADÉ, S. Connaissez et utilisez les avertissements agricoles. Vie à la Campagne 41:386-388. Nov.1952. 80 V67
For control of plant diseases and pests.

11881 VALDER, P. G. Further notes on rice diseases in Australia. Austral. Plant Dis. Recorder 4:28. July 1952. 464.8 Au7

11882 VEZIN, C., and BOURON, H. Le contrôle des antiparasitaires agricoles. Phytoma 5(40):33-35. Aug./Sept.1952. 464.8 P563

11883 VLASVELD, W. P. N. What is the matter with the apples? (In Dutch.) Fruitteelt 42:642-643. Aug.28, 1952. 86 N28
Diseases.

11884 WAISMAN, I. Conserve sanos los frutales de su chacra. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:249-250. 1951/52. 9 Ag874
Spraying.

11885 WARK, D. C. Treatment of pea and bean seed. Austral. Plant Dis. Recorder 4:16. Apr.1952. 464.8 Au7

11886 WELLS, D. G. Wheat resists frost injury; performs well in tests at experiment stations. Miss. Farm Res. [Miss. Sta.] 15(9):7. Sept.1952. 100 M69Mi

11887 WILLAUME, F. Une initiative importante pour le développement de l'emploi des spécialités phytopharmaceutiques; création d'une marque syndicale de garanite. Phytoma 5(40):37-38. Aug./Sept.1952. 464.8 P563

11888 WILLIAMS, A. T. Concentrate spraying is practical. East. States Coop. 28(12):16-17. Dec.1952. 280.28 Ea7

Diseases Caused by Fungi

11889 ANDERSON, R. L. Factors influencing the incidence of Hypoxylon canker of aspen. (Abs.) Phytopathology 42:463. Sept.1952. 464.8 P56

11890 ARTAZA, C. A. La resistencia a "Puccinia graminis tritici" en cruzamientos de "Triticum × Agropyron." Rev. Argentina de Agron. 19:179-183. Sept. 1952. 9 R327

11891 BARNES, G. L., and MUNCIE, J. H. Fungicidal effect of the sodium salts of certain chlorinated phenols on the sclerotia of Rhizoctonia solani on potato tubers. (Abs.) Phytopathology 42:512. Sept.1952. 464.8 P56

11892 BARNETT, H. L., STALEY, J. M., and TRUE, R. P. Mycelial mats of Chalara quercina on killed oak trees as a potential source of perithecia in nature. Phytopathology 42:531-532. Oct.1952. 464.8 P56

11893 BARNETT, H. L. Results of crossing isolates of Chalara quercina from different States. (Abs.) Phytopathology 42:463. Sept.1952. 464.8 P56

11894 BECKER, A. Vermeidet fehler bei der getreidebeizung! Landwirt. Z. der Nord-Rheinprov. 119: 1028. Sept.20,1952. 18 L2344

11895 BECKMAN, C. H., KUNTZ, J. E., and RIKER, A. J. Growth of Chalara quercina in liquid media as influenced by various vitamins and carbon and nitrogen sources. (Abs.) Phytopathology 42:463. Sept.1952. 464.8 P56

11896 BLETON, C. Le mildiou de la vigne en Chaouia en 1952. Chambre d'Agr. de Casablanca. B. 23 (255):3-5. July 1952. 24 C26

11897 BLETON, C. Le mildiou de la vigne en Chaouia en 1952. Rev. Agr. de l'Afrique du Nord 50: 639-642. Oct.3,1952. 80 R326

11898 BOHNER, P. Der kieferndrehpilz—eine ernste gefahr für kiefernkulturen. Allg. Forstz. 7:471-475. Nov.12,1952. 99.8 AL52
Melampsora pinitorqua.

11899 BORG, Å. Further attacks by parasites on falseflax. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 2:20-23. May 1952. 464.9 Sw3V

11900 BROMFIELD, K. R., and BROYLES, J. W. Marker races useful in studying survival ability of races of Puccinia graminis tritici. (Abs.) Phytopathology 42: 479. Sept.1952. 464.8 P56

11901 BROWN, A. M. Mutation in the incitant of leaf rust of wheat, Puccinia triticina. (Abs.) Phytopathology 42:479. Sept.1952. 464.8 P56

11902 BUGNICOURT, F. Note sur la mycoflore des semences de riz dans les territoires du Pacifique sud. Rev. de Mycol. Sup. Colon. 17(1):26-29. Ref. July 1,1952. 450 R327

11903 CALAVAN, E. C., and others. Control of brown rot [Phytophthora citrophthora] of lemon fruits by various fungicides. (Abs.) Phytopathology 42:512. Sept. 1952. 464.8 P56
L. J. Klotz, T. A. DeWolfe, J. R. Sufficool, joint authors.

11904 CALAVAN, E. C., and others. New sprays for control of brown rot of citrus. Calif. Citrog. 38(2):77. Dec.1952. 80 C125
L. J. Klotz, T. A. DeWolfe, and J. R. Sufficool, joint authors.

11905 CALAVAN, E. C., and SUFFICOOL, J. R. Renewal of shell-barked lemon trees by pruning. (Abs.) Phytopathology 42:512. Sept.1952. 464.8 P56

11906 CARO, S. DI. Violet root-rot ('mal vinato') [Rhizoctonia violacea] with special regard to that of asparagus. (In Italian.) Ann. della Sper. Agr. (n.s.)6: 1389-1397. Ref. 1952. 16 An76
English summary.

11907 CHAKRAVARTI, B. P. Wilt of arhar (Cajanus cajan) in Bihar; causal organism—Fusarium udum Butl. Bihar Agr. Col. Mag. 3:9-10. Feb.1952. 107.5 B482

11908 COHEN, M. Variation in mode of host penetration by lettuce downy mildew. (Abs.) Phytopathology 42: 512-513. Sept.1952. 464.8 P56

11909 CONROY, R. J. Powdery mildew of potatoes. Austral. Plant Dis. Recorder 4:15. Apr.1952. 464.8 Au7

11910 COOPER, W. E. Peanut leafspot control. N. C. Agr. Expt. Sta. Spec. C. 16,7 p. Oct.1952. 100 N81Sp
Caused by Cercospora arachidicola and Cercospora personata.

11911 CRONSHEY, J. F. H. Controls for tomato leaf mould. Grower [London] 38:1086-1087. Nov.29, 1952. 286.83 M34
Includes discussion.

11912 CROWDY, S. H. Techniques in the bioassay of systemic fungicides. Ann. Appl. Biol. 39:432-434. Sept.1952. 442.8 An72

11913 CRUICKSHANK, I. A. M. Studies on the physiologic specialization of Melampsora lini (Ehrenb.) Lev. in New Zealand. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:128-133. Ref. Sept.1952. 514 N48B

11914 CUMMINGS, R. H., WRIGHT, C. M., and DIETZ, S. M. Unusual aspects of Claviceps investigations. (Abs.) Phytopathology 42:513. Sept.1952. 464.8 P56

11915 DARLEY, E. F., and SILVERBORG, S. B. Black thread of Hevea brasiliensis in Liberia. Phytopathology 42:547-558. Oct.1952. 464.8 P56
Phytophthora palmivora.

11916 DICKSON, J. G., GRIMM, G. R., and HOOKER, A. L. Stem rust control with fungicides. (Abs.) Phytopathology 42:465. Sept.1952. 464.8 P56
Cereals.

11917 DOEPEL, R. F. Charcoal rot of Sorghum and crown rot of jute at Ord River, W. A. Austral. Plant Dis. Recorder 4:24-25. Apr.1952. 464.8 Au7
Sclerotium bataticola.

11918 EGLITIS, M., JOHNSON, F., and CROWLEY, D. C. Strains of Botrytis pathogenic to blueberries. (Abs.) Phytopathology 42:513. Sept.1952. 464.8 P56

11919 EIDE, C. J., and MAKILA, A. An isolate of Fusarium with unusual virulence for the resistant Iroquois muskmelon. (Abs.) Phytopathology 42:465. Sept. 1952. 464.8 P56

11920 ELLIS, D. E. Tomato wilt diseases. N. C. Agr. Col. Ext. Folder 92,6 p. Sept.1952. 275.29 N811Ex
Fusarium wilt and bacterial wilt.

11921 ENGLISH, H. Phomopsis canker [P. cinerescens] of figs. (Abs.) Phytopathology 42:513. Sept.1952. 464.8 P56

11922 ERWIN, D. C. Pathogenicity of fungi associated with crown rot [Stagonospora meliloti] of alfalfa. (Abs.) Phytopathology 42:513-514. Sept.1952. 464.8 P56

11923 EWING, J. T. Barley is freed of loose smut. Family Herald & Wk. Star 83(39):6. Sept.25,1952. 7 F21
New hot water treatment of seed.

11924 FISHER, E. E., and JENKINS, P. T. Control of apricot freckle [Cladosporium carpophilum]. Austral. Plant Dis. Recorder 4:33-34. July 1952. 464.8 Au7

11925 FLETCHER, D. G. Black stem rust and field inspection trip. Macaroni J. 34(5):10. Sept.1952. 298.8 N46
Wheat.

11926 FOSCHI, S. The ascigerous stage of apple powdery mildew (Podosphaera leucotricha (Ell. and Ev.) Salm.) in Italy. (In Italian.) Ann. della Sper. Agr. (n.s.) 6:1421-1430. Ref. 1952. 16 An76
English summary.

11927 FOSTER, R. M. Verticillium wilt. Shade Tree 25(9):2-3. Sept.1952. 99.8 Sh1

11928 FRASER, L. R. Fusarium yellows of Gladiolus. Austral. Plant Dis. Recorder 4:22. Apr.1952. 464.8 Au7

11929 FRASER, L. R. Physoderma on Amaryllis. Austral. Plant Dis. Recorder 4:22. Apr.1952. 464.8 Au7

11930 FUJIKAWA, T. Studies on the cucumber Phytophthora blight. 9. (In Japanese.) Kyushu Noji Shikenjo 9:23-24. Mar.1952. 107.6 K996
P. parasitica.

11931 GALLEGLY, M. E. Sources of resistance to two races of the tomato late blight fungus [Phytophthora infestans]. (Abs.) Phytopathology 42:466. Sept.1952. 464.8 P56

11932 GALLUCCI, M. M. An attack of Monilia fructigena Pers. on drupes of Prunus laurocerasus L. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1399-1404. Ref. 1952. 16 An76
English summary.

11933 GAUDINEAU, M., and others. Mildiou de la vigne: efficacité des produits de lutte en 1951. Acad. d'Agr. de France. Compt. Rend. 39:441-442. June 25/July 9,1952. 14 P215Bc
C. M. Messiaen, R. Lafon, and J. Simone, joint authors.

11934 GERDEMANN, J. W. A new root rot on red clover. (Abs.) Phytopathology 42:466. Sept.1952. 464.8 P56
Unidentified fungus.

11935 GERSTNER, W. Untersuchungen über den sellerieschorf. Deut. Landwirt. 3:418-420. Aug.1952. 18 D4822
Phoma apiicola.

11936 GOTO, S. Septoria black stem [S. avenae] of oats in Minnesota. (Abs.) Phytopathology 42:466. Sept. 1952. 464.8 P56

11937 GRAHAM, J. H. Purple leaf spot [Stagonospora maculata] of orchard grass. (Abs.) Phytopathology 42:466. Sept.1952. 464.8 P56

11938 GRAVATT, F. G. La enfermedad del chancro cortical en los castañares [Castanea] y robledales [Quecus] de Europa en 1951. Montes 8:323-328. Sept./Oct. 1952. 99.8 M763

11939 GREEN, J. Sclerotium rolfsii on Polypodium scandens. Austral. Plant Dis. Recorder 4:23. Apr.1952. 464.8 Au7

11940 GREEN, J. An unusual occurrence of Sclerotium rolfsii. Austral. Plant Dis. Recorder 4:23-24. Apr.1952. 464.8 Au7

11941 GRIOT, M. Caries del trigo. Bolsa de Com. Rosario. Rev. 40(977):9-10. Sept.30,1952. 287 R71
Tilletia.

11942 HALMA, F. F., and OPITZ, K. W. Observations on foot rot [Phytophthora citrophthora] of orange in California. Plant Dis. Rptr. 36:413. Nov.15,1952. 1.9 P69P

11943 HALTIWANGER, W. L., and WERNHAM, C. C. Some fundamental studies on cold-testing of corn. (Abs.) Phytopathology 42:467. Sept.1952. 464.8 P56
In tests with Pythium, Gibberella and Diplodia.

11944 HANSON, E. W. Effect of seed treatment on seedling stand of small-seeded legumes in Wisconsin. (Abs.) Phytopathology 42:467. Sept.1952. .464.8 P56

11945 HARDISON, J. R. A serious rootlet rot of Alsike clover. (Abs.) Phytopathology 42:514. Sept.1952. 464.8 P56
Phoma consistently isolated.

11946 HASHIOKA, Y., and MORIHASHI, T. Application of dithane Z-78 to the rusts and powdery mildew of cereals. Takada?1952. 5 p. (Contribution from the Phytopathological Laboratory, National Hokuriku Agricultural Experiment Station, Takada, Japan) 464.02 H27A

11947 HASHIOKA, Y., and SUZUKI, Y. Sclerotinia rot of Chinese milk vetch [Astragalus sinicus], with special reference to the strains of the causal fungus. Takada? 1952. 7 p. (Contribution from the Phytopathological Laboratory, National Hokuriku Agricultural Experiment Station, Takada, Japan) 464.02 H27S

11948 HAWN, E. J., and CORMACK, M. W. Crown bud rot of alfalfa. Phytopathology 42:510-511. Sept.1952. 464.8 P56
Various fungi isolated from soil.

11949 HENNING, R. G., and ALEXANDER, L. J. Evidence of existence of physiologic races of Alternaria solani (Ell. & Mart.) Jones & Grout. (Abs.) Phytopathology 42:467. Sept.1952. 464.8 P56

11950 HEWLETT, M. A. Two leaf spots of myrtle new to Great Britain, caused by the fungi Pestalotia decolorata and Cercospora myrti. Roy. Hort. Soc. J. 77:413-418. Nov.1952. 84 L84J

11951 HILDEBRAND, A. A., and KOCH, L. W. Observations on a root and stem rot of soybeans new to Ontario, caused by Pythium ultimum Trow. Sci. Agr. 32: 574-580. Ref. Nov.1952. 7 Sci2

11952 HINGORANI, M. K. Factors affecting the survival ability of certain physiologic races of Puccinia graminis avenae Erikss. & Henn. Phytopathology. 42: 526-531. Ref. Oct.1952. 464.8 P56
Effect of temperature and light.

11953 HINGORANI, M. K. Morphological and pathological studies of races 2, 7, and 8 of oat stem rust [Puccinia graminis]. Phytopathology 42:486-488. Sept. 1952. 464.8 P56

11954 HIRAYAMA, S., and YAMAMOTO, M. Studies on the leaf blast [Helminthosporium coicis] of Job's tears (Coix spp.). (In Japanese.) Japan. Natl. Hyg. Lab. B. 69:147-155. Dec.1951. 449.9 J27
English summary.

11955 HOLTON, C. S., and VOGEL, O. A. Evidence of pathogenic specialization in dwarf bunt of winter wheat in the Pacific Northwest. Plant Dis. Rptr. 36:434. Nov. 15,1952. 1.9 P69P

11956 HOLTON, C. S., and JACKSON, T. L. Results from tests for the control of dwarf bunt by applying fungicides to infested soil. Plant Dis. Rptr. 36:423. Nov.15, 1952. 1.9 P69P
On wheat.

11957 HOLTON, C. S., and WOO, J. Y. Seed-treatment tests for bunt control in winter and spring wheats in 1952. Plant Dis. Rptr. 36:424-425. Nov.15,1952. 1.9 P69P

11958 HORNER, C. E. Root and rhizome rot of peppermint. (Abs.) Phytopathology 42:514-515. Sept. 1952. 464.8 P56
Various fungi isolated.

11959 HOUSTON, B. R., and KNOWLES, P. F. Studies on flax Fusarium wilt (Fusarium oxysporum f. lini) in California. (Abs.) Phytopathology 42:515. Sept.1952. 464.8 P56

11960 HUBERT, E. E., and FERRELL, W. K. Radioisotope tests of translocation in artificially infected Pinus monticola Doug. (Abs.) Phytopathology 42:515. Sept.1952. 464.8 P56
Tests for cause of pole blight.

11961 HUTTON, K. E. Freckle [Cladosporium carpophilum] of apricots. Austral. Plant Dis. Recorder 4:10. Jan.1952. 464.8 Au7

11962 HYRE, R. A. Meteorological data correlated with potato and tomato late blight in northeastern United States. (Abs.) Phytopathology 42:481. Sept.1952. 464.8 P56

11963 INOUE, Y., and MATSUNAGA, M. On the glume blight of the rice plant. (In Japanese.) Kyushu Noji Shikenjo 9:13-14. Mar.1952. 107.6 K996
Phoma glumarum.

11964 İREN, S. Corn rust [Puccinia sorghi] in Turkey. (In Turkish.) Bitki Koruma B. 3:47-49. July 1952. 464.8 B54
English summary.

11965 JACKSON, E. L., and ROWELL, J. B. Mutation and environmental selection of growth types in Ustilago zeae. (Abs.) Phytopathology 42:480. Sept.1952. 464.8 P56

11966 JAIN, A. C., and MAHMUD, K. A. Collar-rot of Murraya koenigii Spreng. Nagpur Agr. Col. Mag. 26: 18. 1951/52. 107.5 N132
Caused by Rhizoctonia solani.

11967 JAIN, A. C. Control of Pythium fruit-rot of cucurbits in Madhya Pradesh. Nagpur Agr. Col. Mag. 26:4-5. 1951/52. 107.5 N132

11968 JAUCH, C. Antracnosis del peral y del manzano. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:384. 1951/52. 9 Ag874

11969 JEFFERS, W. F., and SCOTT, D. H. Significance of physiologic races of Phytophthora fragariae Hickman in breeding strawberries for resistance to the red stele disease. (Abs.) Phytopathology 42:468. Sept. 1952. 464.8 P56

11970 JOHNSON, L. F. Control of root rot of corn under greenhouse conditions by microorganisms antagonistic to Pythium arrhenomanes. (Abs.) Phytopathology 42:468. Sept.1952. 464.8 P56

11971 JONES, W. An unreported Phytophthora rot of Swede turnips. (Abs.) Phytopathology 42:515. Sept. 1952. 464.8 P56

11972 KAWAI, I. Pathological and therapeutical studies on the seed and seedling rot of rice. Shizuoka Agr. Expt. Sta. Tech. B. 3,62 p. Apr.1952. Ref. 107.6 Sh6Te
English summary.

11973 KENDRICK, J. B., JR., and MIDDLETON, J. T. Influence of variety, temperature, and fungus strains upon Verticillium wilt of pepper. (Abs.) Phytopathology 42:515. Sept.1952. 464.8 P56

11974 KENDRICK, J. B., JR., and ALLARD, R. W. A root rot tolerant lima bean. (Abs.) Phytopathology 42: 515. Sept.1952. 464.8 P56

11975 KERK, G. J. M. VAN DER, and KLOPPING, H. L. Investigations on organic fungicides. VII. Rec. des Trav. Chim. des Pays-Bas 71:1179-1197. Nov.1952. 385 R24

11976 KERNKAMP, M. F., and HEMERICK, G. A. Alfalfa seed loss due to Ascochyta imperfecta Pk. (black stem). (Abs.) Phytopathology 42:468. Sept.1952. 464.8 P56

11977 KOMMEDAHL, T. The incidence of Fusarium- and Rhizoctonia-infected plants in wheat, corn, and oats. (Abs.) Phytopathology 42:468-469. Sept.1952. 464.8 P56

11978 LARSON, R. H., and WALKER, J. C. Arasan for smut control in set-onion plantings. (Abs.) Phytopathology 42:469. Sept.1952. 464.8 P56

11979 LEACH, J. G., TRUE, R. P., and DORSEY, C. K. A mechanism for liberation of spores from beneath the bark and for diploidization in Chalara quercina. Phytopathology 42:537-539. Oct.1952. 464.8 P56

11980 LEBEN, C., and ARNY, D. C. Seed treatment experiments with helixin B. (Abs.) Phytopathology 42: 469. Sept.1952. 464.8 P56

11981 LEHMAN, S. G. Dusting tests for control of fungus damage to seed cotton in North Carolina in 1951. Plant Dis. Rptr. 36:414-415. Nov.15,1952. 1.9 P69P

11982 LEUKEL, R. W. Cooperative tests with fungicides for smut control in wheat and oats in 1952. Plant Dis. Rptr. 36:428-433. Nov.15,1952. 1.9 P69P

11983 LEUKEL, R. W., and WEBSTER, O. J. Seed treatment tests on sorghum in 1952. Plant Dis. Rptr. 36:426-427. Nov.15,1952. 1.9 P69P

11984 LHOSTE, J. L'hexachlorobenzene et la lutte contre la carie du blé. Rev. Agr. de l'Afrique du Nord 50:568-569. Sept.12,1952. 80 R326

11985 LIMBER, D. P. Sori of Gladiolus smut [Urocystis gladiolicola] in the white flesh of Gladiolus corms Phytopathology 42:578. Oct.1952. 464.8 P56

11986 LU, S. I., STAKMAN, E. C., and ROWELL, J. B. The behavior of mutable black lines of Ustilago zeae. (Abs.) Phytopathology 42:480. Sept.1952. 464.8 P56

11987 LUKE, H. H. Fungi isolated from sugarcane soils of Louisiana and their antagonistic effect on Pythium arrhenomanes. (Abs.) Phytopathology 42:469. Sept. 1952. 464.8 P56

11988 MCLAUGHLIN, W. D., and TRUE, R. P. The effects of temperature and humidity on the longevity of conidia of Chalara quercina. (Abs.) Phytopathology 42: 470. Sept.1952. 464.8 P56

11989 MARSHALL, B. H., JR. Cane blight [Botryosphaeria ribis] of Forsythia in Maryland. Plant Dis. Rptr. 36:440-441. Nov.15,1952. 1.9 P69P

11990 MARSHALL, N. L., and COX, C. E. The comparative effects of tribasic copper sulfate and of ziram on Colletotrichum phomoides in culture. (Abs.) Phytopathology 42:470. Sept.1952. 464.8 P56

11991 MARTIN, J. P. La enfermedad "Sclerospora" de la caña de azúcar en el Perú. Vida Agr. [Lima] 29:773,775,777,779,781,783-784. Sept.1952. 9.8 V66

11992 MATTHEWS, D. J. Glomerella cingulata on garden stocks. Austral. Plant Dis. Recorder 4:22. Apr. 1952. 464.8 Au7

11993 MEINERS, J. P. Etiology and control of snow-mold of turf in eastern Washington. (Abs.) Phytopathology 42:516. Sept.1952. 464.8 P56

11994 MENEZES, O. B. DE. Identification of four physiologic races of bean rust. (Preliminary note). (In Portuguese.) Dusenia 3:309-312. July 31,1952. 410 D94
English summary.
Uromyces phaseoli typica.

11995 MEYER, J. K. Practical experiences in the control of clubroot. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:311-314. Aug.1952. 12 N383M
Plasmodiophora brassicae on turnips.

11996 MIDDLETON, J. T. Pythium seed decay and seedling blight of Pisum sativum. (Abs.) Phytopathology 42:516. Sept.1952. 464.8 P56

11997 MILLER, H. J. Control of damping-off fungi with halogen substituted nitrobenzenes. (Abs.) Phytopathology 42:470. Sept.1952. 464.8 P56
2,4-dinitrofluorobenzene.

11998 MILLER, J. H., and TAYLOR, J. Cladosporium leaf spot of pepper in Georgia. Plant Dis. Rptr. 36:440. Nov.15,1952. 1.9 P69P

11999 MILLER, L. P., and MCCALLAN, S. E. A. True dosage received by fungus spores treated with labeled 2-heptadecyl-2-imidazoline. (Abs.) Phytopathology 42:470. Sept.1952. 464.8 P56

12000 MOORE, M. B., and OLIEN, C. R. Mercury bichloride solution as a surface disinfectant for cereal seeds. (Abs.) Phytopathology 42:471. Sept.1952. 464.8 P56

12001 MORGAN, O. D., JR. Correlation of the growth rate of 23 Sclerotinia isolates in vitro with rate of infectivity in five hosts at five different temperatures (Abs.) Phytopathology 42:471. Sept.1952. 464.8 P56

12002 MORGAN, O. D., JR. Some effects of eight fungicides on growth of Sclerotinia fructicola, Glomerella cingulata, and Penicillium expansum. (Abs.) Phytopathology 42:471. Sept.1952. 464.8 P56

12003 MORSCHEL, J. R. Septoria spot of citrus. Austral. Plant Dis. Recorder 4:19-20. Apr.1952. 464.8 Au7

12004 MURAKISHI, H. H. A new fungus disease of orchid seedlings in Hawaii. (Abs.) Phytopathology 42: 517. Sept.1952. 464.8 P56
Fusarium consistently isolated.

12005 NAGEL, C. M., and RICHARDSON, L. T. Fungicides for potato blight control. S. Dak. Agr. Expt. Sta. C. 89,19 p. June 1951. 100 So82

12006 NEMA, K. G. Oospora rot of tomato in Madhya Pradesh. Nagpur Agr. Col. Mag. 26:15. Ref. 1951/52. 107.5 N132

12007 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De amerikaanse kruisbessenmeeldauw [American gooseberry mildew [Sphaerotheca mors uvae Berk.]]. Netherlands. Plantenziektenk. Dienst. Vlugschr. 39,4 p. Sept.1952. 464.9 W12V

12008 NEW SOUTH WALES: DEPT. OF AGRICULTURE. BIOLOGICAL BR. DIV. OF SCIENCE SERV. Powdery mildews. N. S. Wales. Dept. Agr. Plant Dis. L. 92,2 p. 1952. 464.9 N47

12009 NICOLINI, J. C. La podredumbre de las raices del olivo. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:319-320. 1951/52. 9 Ag874
Caused by Rosellinia necatrix.

12010 NILSSON, L. Powdery mildew [Erysiphe graminis], a current parasite. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 3:40-41. June 1952. 464.9 Sw3V
On grain.

12011 NISHIZAWA, T., FUJIKAWA, T., and MIZUTA, H. Studies on the control of broad-bean wilt. (In Japanese.) Kyushu Noji Shikenjo 9:17-18. Mar.1952. 107.6 K996
Fungus disease.

12012 NISHIZAWA, T. Studies on the sweet potato canker. VII. On the relation of atmospheric humidity to the germination and viability of the conidia and chlamidospores of Fusarium solani (Mart.) App. et Wr. (In Japanese.) Kyushu Noji Shikenjo 9:21-22. Mar.1952. 107.6 K996

12013 OWENS, R. G. Chemical constitution of quinones in relation to amylase inhibition and fungitoxicity. (Abs.) Phytopathology 42:471. Sept.1952. 464.8 P56
Effect on fungus spores.

12014 OWENS, R. G. Spore uptake of fungitoxicants assayed by amylase inhibition. (Abs.) Phytopathology 42:471-472. Sept.1952. 464.8 P56

12015 PALMER, H. C. GREENLEE, R. W., and BALDWIN, M. M. Fungicidal action of sodium dialkyldithiocarbamates. (Abs.) Phytopathology 42:472. Sept. 1952. 464.8 P56

12016 PARMENTIER, G. Le rougeau [Pseudopeziza tracheiphylla] de la vigne. In Internationaal Congress van de Tafeldruif. Verslagen en notulen, p.123-125. Hoeilaart,Gemeentehuis,1951. 95.09 In82

12017 PON, D. S. A new light-colored race of Helminthosporium sativum. (Abs.) Phytopathology 42: 472. Sept.1952. 464.8 P56

12018 POPP, W., and CHEREWICK, W. J. An improved method of smut inoculation. (Abs.) Phytopathology 42:472. Sept. 1952. 464.8 P56

12019 PORSE, O. Black rust and Berberis. (In Swedish.) Lantbrtidskr. f. Dalarna 5/6:195-196. Oct./Dec.1951. 11 L29

12020 PORTER, C. L., and HIMELICK, E. Production of disease-free planting stock of Mentha piperita L. (Abs.) Phytopathology 42:472. Sept.1952. 464.8 P56

12021 PORTER, C. L., and GREEN, R. J. Production of exotoxin in the genus Verticillium. (Abs.) Phytopathology 42:472. Sept.1952. 464.8 P56

12022 POULOS, P. L., and HEUBERGER, J. W. Frog-eye leaf spot (black rot) control under epiphytotic conditions. Plant Dis. Rptr. 36:410-411. Nov.15,1952. 1.9 P69P
Physalopsora obtusa on apples.

12023 POURCHARESSE, P. Resistance au mildiou des H. P. D. Rev. Agr. de l'Afrique du Nord 50:561. Sept.5,1952. 80 R326
Grape hybrids.

12024 POWERS, H. R., JR. The cause of wilting in tobacco plants affected by black shank [Phytophthora parasitica var. nicotianae]. (Abs.) Phytopathology 42: 472-473. Sept.1952. 464.8 P56

12025 POZZI-ESCOT, M. E. Investigaciones sobre las propiedades anticriptogámicas del azufre. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:288. May 1952. 385 R322

12026 PURDY, L. H., JR., and HEWITT, W. B. Infection experiments with the fungus causing the sooty blotch disease [Mycosphaerella] of Vitis californica Benth. (Abs.) Phytopathology 42:518. Sept.1952. 464.8 P56

12027 PURDY, L. H., JR., and GROGAN, R. G. Infection of lettuce by Sclerotinia sclerotiorum (Lib.) de Bary. (Abs.) Phytopathology 42:518. Sept.1952. 464.8 P56

12028 RAABE, R. D., and POUND, G. S. Morphology and pathogenicity of Albugo occidentalis, the incitant of white rust of spinach. (Abs.) Phytopathology 42:473. Sept.1952. 464.8 P56

12029 REFATTI, E., and LEPORI, L. Late scab on pears in storage. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1217-1234. Ref. 1952. 16 An76
English summary.

12030 REID, R. D. Breeding strawberries resistant to red core root rot [Phytophthora fragariae]. Plant Dis. Rptr. 36:395-405. Nov.15,1952. 1.9 P69P

12031 REILLY, J. J. Correlation of seedling blight to stalk rot and nature of seedling resistance to Diplodia zeae. (Abs.) Phytopathology 42:473. Sept.1952. 464.8 P56
Hybrid corn.

12032 REVILLA M., V. A. Control de la chupadera mediante fungicidas. Agronomia [Lima] 17(70):54-56. July 1952. 9.8 Ag83
Disease caused by Rhizoctonia solani on cotton.

12033 REVILLA M., V. A. Sobre la nueva enfermedad [Sclerospora sacchari] de la caña de azúcar. Vida Agr. [Lima] 29:765,767,769-770. Sept.1952. 9.8 V66

12034 RICH, S., and HORSFALL, J. G. Tolerance of a black fungus [Macrosporium (Stemphylium) sarcinaeforme] to phenols and quinones. (Abs.) Phytopathology 42:473. Sept.1952. 464.8 P56

12035 ROTH, L. F. Factors affecting the rate of decay of old-growth Douglas fir by Fomes pini. (Abs.) Phytopathology 42:518-519. Sept.1952. 464.8 P56

12036 RUSHDI, M. K. Antagonism of several isolates of Rhizoctonia solani by a species of Streptomyces. (Abs.) Phytopathology 42:473. Sept.1952. 464.8 P56

12037 RUSHDI, M. K., and JEFFERS, W. F. Variation in Rhizoctonia solani. (Abs.) Phytopathology 42: 473-474. Sept.1952. 464.8 P56

12038 RYZHKOVA, Z. F. Fusarium wilt of alfalfa. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(10):13-16. 1952. 20 Ak1

12039 SAVILE, D. B. O. Short-season adaptations in the rust fungi. (Abs.) Phytopathology 42:474. Sept. 1952. 464.8 P56
Uredinales.

12040 SCHEFFER, R. P., and WALKER, J. C. Distribution of Fusarium resistance in the tomato plant. (Abs.) Phytopathology 42:474. Sept.1952. 464.8 P56

12041 SEN, A. B., and JOSHI, K. C. Search for organic fungicides: chemical constitution and fungicidal activity. J. Sci. Food & Agr. 3:526-531. Nov.1952. 382 So12

12042 SHAFER, W. B. Fungitoxicity investigations using a novel spore germination technique. (Abs.) Phytopathology 42:519. Sept.1952. 464.8 P56

12043 SHARMA, O. P., and NEMA, K. G. A short note on Pythium aphanidermatum (Eds.) Fitz. on Linum grandiflorum Linn. Nagpur Agr. Col. Mag. 26:17. 1951/52. 107.5 N132

12044 SHARP, E. L., and SMITH, F. G. The influence of pH and zinc on vesicle formation in Puccinia coronata avenae Corda. (Abs.) Phytopathology 42: 474. Sept.1952. 464.8 P56

12045 SHAW, D. E. Grass smuts. Austral. Plant Dis. Recorder 4:4-5. Jan.1952. 464.8 Au7

12046 SHAW, D. E. A leaf spot [Piricularia grisea] of Snowdenia polystachia from New Guinea. Austral. Plant Dis. Recorder 4:14. Apr.1952. 464.8 Au7

12047 SHERWIN, H. S., and KREITLOW, K. W. Discoloration of soybean seeds by the frogeye fungus, Cercospora sojina. Phytopathology 42:568-572. Ref. Oct.1952. 464.8 P56

12048 SHUROVENKOV, B. G., and VOLKOV, S. T. Electrothermal equipment for disinfecting grain seeds from loose smut. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(10):17-21. 1952. 20 Ak1

12049 SIMONS, M. D., and MURPHY, H. C. Physiologic specialization in Puccinia coronata Corda var. avenae F. & L. (Abs.) Phytopathology 42:474-475. Sept. 1952. 464.8 P56

12050 SISLER, H. D., and COX, C. E. Effect of tetramethylthiuram disulfide on anaerobic breakdown of glucose by fungi. (Abs.) Phytopathology 42:475. Sept. 1952. 464.8 P56

12051 SNYDER, W. C., and HANSEN, H. N. Comparative efficacy of male and hermaphrodite in the fertilization of perithecial primordia. (Abs.) Phytopathology 42:480. Sept.1952. 464.8 P56
Hypomyces solani.

12052 SPRAGUE, R. Contribution to the life history and control of snow molds of winter wheat in Washington. (Abs.) Phytopathology 42:475. Sept.1952. 464.8 P56
Typhula spp. and Fusarium nivale.

12053 STAPEL, C. The Berberis case in a new light. (In Danish.) Gart.-Tid. 68:418-419. Oct.27,1952. 80 G192
Extermination of Berberis.

12054 STEPANOV, K. M., and SHALYSHKINA, V. I. Fruits and seeds of lemons—sources of infectious drying up of lemons (Mal secco). (In Russian.) Mikrobiologiĭa 21(1):48-51. Jan./Feb.1952. 448.3 M582
Deuterophoma tracheiphila.

12055 STEWART, D. M. Factors affecting local control of white pine blister rust [Cronartium ribicola]. (Abs.) Phytopathology 42:475-476. Sept.1952. 464.8 P56

12056 STODDARD, E. M. Chemotherapeutic control of Rhizoctonia on greenhouse stock [Mathiola incana]. (Abs.) Phytopathology 42:476. Sept.1952. 464.8 P56

12057 SUTTON, W. S. Incidence of spotted wilt in tomatoes. Austral. Plant Dis. Recorder 4:16. Apr.1952 464.8 Au7

12058 TAYLOR, G. S. Nutritive value of cornstalk juice inversely related to stalk rot [Diplodia zeae] resistance. (Abs.) Phytopathology 42:476. Sept.1952. 464.8 P56

12059 TAYLOR, R. H. Fusicoccum viticolum on vines. Austral. Plant Dis. Recorder 4:35. July 1952. 464.8 Au7

12060 TEMPLETON, L. Our enemy the oak wilt. Harper's Mag. 205(1230):96-97. Nov.1952. 110 H23
Chalara quercina.

12061 TERMOHLEN, G. P. What can we do about scab control. (In Dutch.) Fruitteelt 42:673. Sept.11, 1952. 86 N28
Breeding of scab resistant apples.

12062 THOROLD, C. A. The epiphytes of Theobroma cacao in Nigeria in relation to the incidence of black-pod disease (Phytophthora palmivora). J. Ecol. 40:125-142. Ref. Feb.1952. 450 J829

12063 THURSTON, H. D., and EIDE, C. J. The appearance and survival of new races of Phytophthora infestans. (Abs.) Phytopathology 42:481-482. Sept. 1952. 464.8 P56

12064 TOCHINAI, Y., and SAWADA, K. On the distribution of bean-anthracnose in Hokkaido and specialized races of the causal fungus differing in their pathogenicity. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63: 78-83. Ref. Mar.1952. 107.6 H68
English summary.

12065 TOGLIANI, F. Determination of 'isometabolic point' for Deuterophoma tracheiphila grown in glucosidic media. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1153-1160. 1952. 16 An76
English summary.

12066 TOMIYAMA, K., AKAI, J., and WASHIO, T. Studies on the specific affinity between the host-plant juice on the germination of the spores of parasitic fungus. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:84-95. Ref. Mar.1952. 107.6 H68
English summary.

12067 TRUE, R. P., and others. Liberation of spores from natural reservoirs facilitates overland spread of oak wilt [Chalara quercina]. (Abs.) Phytopathology 42: 476. Sept.1952. 464.8 P56
J. M. Staley, J. G. Leach, H. L. Barnett, and C. K. Dorsey, joint authors.

12068 TVERSKOI, D. L., and ZHUKOVA, K. P. Damping-off of red clover and measures for controlling this phenomenon in Moscow Region. (In Russian.) Sovet. Agron. 10(10):88-90. Oct.1952. 20 So84
Fusarium chiefly.

12069 TYNER, L. E. The control of loose smut of barley (Ustilago nuda) by Spergon-SL. (Abs.) Phytopathology 42:476. Sept.1952. 464.8 P56

12070 VAARTAJA, O. Forest humus quality and light conditions as factors influencing damping-off. Phytopathology 42:501-506. Ref. Sept.1952. 464.8 P56

12071 VALDER, P. G. Brown spot [Pleiochaeta setosa] of lupins. Austral. Plant Dis. Recorder 4:29. July 1952. 464.8 Au7

12072 VALDER, P. G. Disinfection of rice seed. Austral. Plant Dis. Recorder 4:40. July 1952. 464.8 Au7

12073 VALDER, P. G. Fungi detected on imported rice. Austral. Plant Dis. Recorder 4:3-4. Jan.1952. 464.8 Au7

12074 VALDER, P. G. Rhubarb rust. Austral. Plant Dis. Recorder 4:9. Jan.1952. 464.8 Au7

12075 VALDER, P. G. Rice diseases in Australia. Austral. Plant Dis. Recorder 4:2-3. Jan.1952. 464.8 Au7

12076 VALDEYRON. Remarques sur l'évolution du charbon interne dans quelques cultures de multiplication de Florence x Aurore en Tunisie. Acad. d'Acad. d'Agr. de France. Compt. Rend. 39:471-474. June 25/July 9, 1952. 14 P215Bc
Smut on wheat hybrid.

12077 VAUGHAN, E. K. Control of celery late blight [Septoria apii]. (Abs.) Phytopathology 42:519. Sept.1952. 464.8 P56

12078 VAUGHAN, E. K. The significance of raspberry yellow rust [Phragmidium rubi-idaei] control. (Abs.) Phytopathology 42:477. Sept.1952. 464.8 P56

12079 VAUGHAN, E. K., and DANA, B. F. Studies on control of white mold [Sclerotinia sclerotiorum] of beans. (Abs.) Phytopathology 42:477. Sept.1952. 464.8 P56

12080 WADE, G. C. Anthracnose on Digitalis lanata. Austral. Plant Dis. Recorder 4:37-38. July 1952. 464.8 Au7

12081 WADE, G. C. Black rots of apples. Austral. Plant Dis. Recorder 4:33. July 1952. 464.8 Au7

12082 WADE, G. C. Botrytis corm rot of Gladiolus. Austral. Plant Dis. Recorder 4:36. July 1952. 464.8 Au7

12083 WAGGONER, P. E., RICH, S., and HORSFALL, J. G. Prediction of field performance of fungicides. (Abs.) Phytopathology 42:477. Sept.1952. 464.8 P56

12084 WAHLIN, B. Wheat and the take-all diseases. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 30:112. Sept.1952. 49.9 Sk1

12085 WAIN, R. L. Systemic fungicides. Ann. Appl. Biol. 39:429-432. Ref. Sept.1952. 442.8 An72

12086 WALKER, J. Leaf spot and die-back of sweet potato (Ipomoea batatas). Austral. Plant Dis. Recorder 4:31. July 1952. 464.8 Au7

12087 WALLACE, G. B. Wilt or Panama disease of banana. East African Agr. J. 17:166-175. Apr.1952. 24 Ea74

12088 WALLIN, J. R. Field studies on the development and survival of Phytophthora infestans sporangia on potato and tomato plants. (Abs.) Phytopathology 42: 482. Sept.1952. 464.8 P56

12089 WALLIN, J. R., and SAMSON, R. W. Forecasting late blight in Indiana from mean temperature and cumulative rainfall data. (Abs.) Phytopathology 42: 482. Sept.1952. 464.8 P56

12090 WATANABE, B. Enzymes of ramie white root rot fungus Rosellinia necatrix (Hart.) Berl. (Sum.) Kyushu Noji Shikenjo 9:5-6. Mar.1952. 107.6 K996

12091 WATERHOUSE, W. L. Crown rust of oats. Austral. Plant Dis. Recorder 4:29. July 1952. 464.8 Au7

12092 WEED, R. M., MCCALLAN, S. E. A., and MILLER, L. P. Breakdown of various organic sulfur fungicides to yield carbon disulfide and its significance in their toxic action. (Abs.) Phytopathology 42:477. Sept.1952. 464.8 P56

12093 WEIMER, J. L. Lupine anthracnose. U. S. D. A. C. 904,17 p. Aug.1952. 1 Ag84C
Causal fungus Glomerella cingulata.

12094 WENT, J. C. Oak wilt in the United States. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:275-278. Oct.1952. 99.8 N28

12095 WESTON, W. A. R. D., STOREY, I. F., and IVES, J. V. Apple scab in the Wisbech area. Gard. Chron. 132:195. Nov.15,1952. 80 G162

12096 WIEHE, P. O. Life cycle of Botryosphaeria ribis on Aleurites montana. Phytopathology 42:521-526. Ref. Oct.1952. 464.8 P56

12097 WILHELM, S., and THOMAS, H. E. Solanum sarachoides, an important weed host to Verticillium alboatrum. (Abs.) Phytopathology 42:519-520. Sept. 1952. 464.8 P56

12098 WILLIAMS, L., and ALLISON, P. The effect of conidial matrix, hydrogen ion concentration, and thiamine on spore germination and pathogenicity of Colletotrichum lagenarium. (Abs.) Phytopathology 42: 478. Sept.1952. 464.8 P56

12099 WINGRAVE, E. G. Botrytis cinerea on raspberries. Austral. Plant Dis. Recorder 4:11. Jan. 1952. 464.8 Au7

12100 WINGRAVE, E. G. False club root [Olpidium brassicae?] of crucifers. Austral. Plant Dis. Recorder 4:8. Jan.1952. 464.8 Au7

12101 WINGRAVE, E. G. A wilt disease in strawberries. Austral. Plant Dis. Recorder 4:35. July 1952. 464.8 Au7

12102 WISMER, C. A. Controlling pineapple disease [Ceratostomella paradoxa] of sugar cane. (Abs.) Hawaii Acad. Sci. Proc. 27:4. 1952. 500 H31A

12103 WOODWARD, R. W., HOLTON, C. S., and VOGEL, O. A. Dwarf bunt in rye. Plant Dis. Rptr. 36: 434. Nov.15,1952. 1.9 P69P

12104 WRIGHT, D. N. Progress report in potato scab fight. West. Grower & Shipper 23(12):108-109. Nov.1952. 280.38 W52

12105 YALE, J. W., and VAUGHAN, E. K. Relative importance of seed and soil borne infection in damping-off of garden beets. (Abs.) Phytopathology 42:520. Sept. 1952. 464.8 P56

12106 YAMAMOTO, T., and KAMITO, A. On the mechanism of phytotoxicity caused by cupric and mercuric fungicides. (In Japanese.) (Abs.) Oyo-Kontyu 7:57-58. Aug.1951. 421 Oy6

12107 YARWOOD, C. E., and JACOBSON, L. Fungicidal action due to selective toxicity and selective absorption. (Abs.) Phytopathology 42:478. Sept.1952. 464.8 P56

12108 YARWOOD, C. E. Guttation due to leaf pressure favors fungus infections. (Abs.) Phytopathology 42:520. Sept.1952. 464.8 P56
Tests with beans.

12109 YARWOOD, C. E., HALL, A., and NELSON, M. Nutritive value of rust-infected bean leaves. (Abs.) Phytopathology 42:481. Sept.1952. 464.8 P56

12110 ZACHA, V., and VANICEK, V. Results of experiments with red spot on plums (Polystigma rubrum) in 1951. (In Czech.) Za Socialist. Zemedel. 2:451-455. Apr.1952. 19.5 Z1
Czechoslovakia.

12111 ZENTMYER, G. A., BAKER, K. F., and THORN, W. A. The role of nursery stock in the dissemination of soil pathogens. (Abs.) Phytopathology 42:478-479. Sept.1952. 464.8 P56
Tests with Phytophthora cinnamomi.

Diseases Caused by Bacteria

12112 BAIN, D. C. Reaction of Brassica seedling to blackrot [Xanthomonas campestris]. Phytopathology 42:497-500. Sept.1952. 464.8 P56

12113 CONROY, R. J. Crown gall [Agrobacterium tumefaciens] of rhubarb. Austral. Plant Dis. Recorder 4:9. Jan.1952. 464.8 Au7

12114 DONNELLY, E. D. Breeding for wilt [Corynebacterium insidiosum] resistance in alfalfa. Agron. J. 44:562-568. Nov.1952. 4 Am34P

12115 DUNLEAVY, J. M. Control of damping-off of sugar beet by Bacillus subtilis. (Abs.) Phytopathology 42:465. Sept.1952. 464.8 P56

12116 FREDERICK, L., and LOCKE, S. B. Growth variation of bacteria-free crown-gall tumor tissue. (Abs.) Phytopathology 42:513. Sept.1952. 464.8 P56

12117 GIGANTE, R. Observations on the 'farfara' of the tobacco in the Province of Lecce. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1351-1388. Ref. 1952. 16 An76
English summary.
Farfara includes wildfire, ringspot, and streak.

12118 GOLDSWORTHY, M. C., and WILSON, R. A. Terminal bud and shoot infections and the overwintering of Xanthomonas pruni in peach trees. Plant Dis. Rptr. 36:408-409. Nov.15,1952. 1.9 P69P

12119 HARRISON, D. E. Occurence of an atypical strain of Pseudomonas solanacearum in Victoria. Austral. Plant Dis. Recorder 4:30. July 1952. 464.8 Au7

12120 KIRYU, T., and KUHARA, S. On the inoculation test for the varietal resistance to the bacterial leaf blight of rice plant. (In Japanese.) Kyushu Noji Shikenjo 9:9-10. Mar.1952. 107.6 K996

12121 KLECZKOWSKI, J., and KLECZKOWSKI, A. Effect of specific polysaccharides from the host bacteria and of ribonuclease on the multiplication of Rhizobium phages. J. Gen. Microbiol. 7:340-349. Ref. Nov.1952. 448.3 J823

12122 ROACH, F. A. The scourge of bacterial canker. Nurseryman & Seedsman 115:598-599. Sept. 18,1952. 80 N933
In cherries and plums.

12123 SKOOG, H. A. Studies on host-parasite relations of bean varieties resistant and susceptible to Pseudomonas phaseolicola and toxin production by the parasite. (Abs.) Phytopathology 42:475. Sept.1952. 464.8 P56

12124 STARYGINA, L. P. Bacillus polymyxa as organism of soft rot. (In Russian.) Mikrobiologiîa 21(1): 52-59. Ref. Jan./Feb.1952. 448.3 M582

12125 TAYLOR, J. The relationship between fire blight [Erwinia amylovora] and apple black rot [Physalospora obtusa] in North Georgia orchards. Plant Dis. Rptr 36:412. Nov.15,1952. 1.9 P69P

12126 TREGGI, G. Action of some amino-acids on Agrobacterium tumefaciens (Smith and Town.) Conn. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1411-1419. 1952. 16 An76
English summary.

12127 WAGGONER, P. E., and DIMOND, A. E. Crown gall suppression by ionizing radiation. Amer. J. Bot. 39: 679-684. Ref. Nov.1952. 450 Am36
Gamma radiation and X-radiation.

12128 YAMAMOTO, M. Studies on the bacterial leaf spot [Phytomonas hemmianus] of jimson weed (Datura spp.). III. (In Japanese.) Japan. Natl. Hyg. Lab. B. 69: 136-147. Dec.1951. 449.9 J27
English summary.

12129 YOUNG, R. A. Incipient crown gall infections in Mazzard cherry seedlings. (Abs.) Phytopathology 42: 520. Sept.1952. 464.8 P56

12130 HUGHES, M. B., and AYCOCK, R. Sweet potato clones resistant to internal cork. Amer. Soc. Hort. Sci. Proc. 59:433-438. Ref. June 1952. 81 So12

12131 HULL, R. The virus yellows war is not yet won. Brit. Sugar Beet Rev. 21:29-32. Sept.1952. 66.8 B77

12132 HUNGERFORD, C. W. Report of stone fruit virus disease surveys. Idaho State Hort. Soc. Trans. 1951:2-5. 81 Id12

12133 HUNTER, A. W. S. Strawberry viruses and the plant breeder. West. Canad. Soc. Hort. Rpt. Proc. 8:12-15. 1952. 82 W522

12134 JONES, L. E., and MILBRATH, J. A. The influence of western X little cherry virus upon seed size and viability. (Abs.) Phytopathology 42:515. Sept.1952. 464.8 P56

12135 KELLER, J. B. Chrysanthemums carry viruses. Farm Res. [N. Y. State Sta.] 18(4):10. Oct.1952. 100 N48A

12136 KENKNIGHT, G. Distribution of wood giving a positive reaction to the acid test for phony in graft-inoculated peach trees. (Abs.) Phytopathology 42:468. Sept.1952. 464.8 P56

12137 KIRKPATRICK, H. C., and ROSS, A. F. Aphid transmission of potato leafroll virus to solanaceous species. Phytopathology 42:540-546. Ref. Oct.1952. 464.8 P56

12138 KOBEL, F. Use of the Williams-Backus method for determination of virus concentration in plant tissue cultures. (Abs.) Phytopathology 42:515-516. Sept.1952. 464.8 P56
Infected tobacco stem sections.

12139 KOBEL, F., JR. Das problem der steinobstvirosen in den USA. Schweiz. Z. f. Obst- u. Weinbau 61:449-454. (Concl.) Nov.1,1952. 80 Sch9

12140 KOEHLER, B., BEVER, W. M., and BONNETT, O. T. Soil-borne wheat mosaic. Ill. Agr. Expt. Sta. B. 556:565-599. Ref. Aug.1952. 100 IL6S

12141 KRISTENSEN, H. R. False sting— a new virus disease? (In Danish.) Erhvervsfrugtavleren 18:322-323. Sept.1,1952. 80 Er3
Of apples.

12142 KRISTENSEN, H. R. Plants with virus diseases. (In Danish.) Frø og Gart. 17:53-57. Autumn 1952. 80 F92

12143 LOCKE, S. B. Ascorbic acid content as an indication of virus infection of potato tubers. (Abs.) Phytopathology 42:516. Sept.1952. 464.8 P56

12144 MCLEAN, D. M. Tests for the occurrence of virus yellows in table beet seed plants in northwestern Washington. (Abs.) Phytopathology 42:516. Sept.1952. 464.8 P56

12145 MARAMOROSCH, K. Recovery of aster-yellows and corn-stunt viruses from nonvector leafhoppers. (Abs.) Phytopathology 42:470. Sept.1952. 464.8 P56

12146 MELLOR, F. C., and FITZPATRICK, R. E. Strawberry virus complexes. (Abs.) Phytopathology 42:516. Sept.1952. 464.8 P56

12147 MENZIES, J. D., and GIDDINGS, N. J. Curly-top virus induces potato green dwarf. (Abs.) Phytopathology 42:516. Sept.1952. 464.8 P56

12148 MILBRATH, J. A. Selecting stone fruit trees free from virus diseases. Oreg. Agr. Expt. Sta. B. 522, 27 p. Aug.1952. 100 Or3

12149 MILBRATH, J. A. Variations in potato calico caused by strains of alfalfa mosaic. (Abs.) Phytopathology 42:516-517. Sept.1952. 464.8 P56

12150 MILLIKAN, D. F., and HIBBARD, A. D. Influence of virus upon the growth of one year old sour cherry nursery trees. (Abs.) Phytopathology 42:470. Sept.1952. 464.8 P56

12151 MILTON, Z., and others. Rapid serological detection of virus in Cattleya orchids. (Abs.) Phytopathology 42:478. Sept.1952. 464.8 P56
A. M. Schechtman, J. G. Bald, and S. G. Wildman, joint authors.

12152 M'INTOSH, T. P. The choice of seed potatoes. Scot. Agr. 32:59-65. Autumn 1952. 10 Sco82So
Virus diseases and other factors influencing productivity.

Viruses and Virus Diseases

12153 ALEXANDER, L. J. Effect of the tobacco mosaic disease on the yield of unstaked tomatoes. (Abs.) Phytopathology 42:463. Sept.1952. 464.8 P56

12154 BARNES, G. L. Preliminary trials on chemical roguing of virus-diseased potato plants. (Abs.) Phytopathology 42:511-512. Sept.1952. 464.8 P56

12155 BEALE, J. H., and BEALE, H. P. Transmission of a ringspot-virus disease of Syringa vulgaris by grafting. (Abs.) Phytopathology 42:463. Sept.1952. 464.8 P56

12156 BLODGETT, E. C., and others. Index tests for virus in Myrobalan plum. (Abs.) Phytopathology 42: 512. Sept.1952. 464.8 P56
H. E. Williams, T. O. Diener, and J. G. Barrat, joint authors.

12157 BROADBENT, L. Barrier crops may help to reduce cauliflower mosaic. Grower [London] 38:1140-1142. Dec.6,1952. 286.83 M34

12158 CETAS, R. C., and ROSS, A. F. Root necrosis virus of Nicotiana glutinosa. (Abs.) Phytopathology 42: 464. Sept.1952. 464.8 P56

12159 COCHRAN, L. C. Interference between forms of the ring spot virus in peach trees. (Abs.) Phytopathology 42:512. Sept.1952. 464.8 P56

12160 COCHRAN, L. C. Virus invasion of tops of certain naturally immune stone fruits when grown on infected rootstocks. (Abs.) Phytopathology 42:512. Sept. 1952. 464.8 P56

12161 COHEN, M., and SIEGEL, A. A quantitative electrophoretic study of competition between two strains of tobacco mosaic virus. II. The physiological age of the leaf as a factor in strain competition in the inoculated leaf. (Abs.) Phytopathology 42:464. Sept.1952. 464.8 P56

12162 CONROY, R. J. Purple top wilt of potatoes. Austral. Plant Dis. Recorder 4:6. Jan.1952. 464.8 Au7

12163 DAVIS, D. Chemotherapy of tobacco mosaic virus. (Abs.) Phytopathology 42:465. Sept.1952. 464.8 P56

12164 FRASER, L. Virus disease in citrus. Queensland Fruit and Veg. News 2(44):28-29. Sept. 12,1952. 280.38 Q3

12165 FRASER, L. R. Indicators for psorosis virus of citrus. Austral. Plant Dis. Recorder 4:17. Apr. 1952. 464.8 Au7

12166 FRASER, L. R. Xyloporosis possibly present in New South Wales. Asutral. Plant Dis. Recorder 4:17-18. Apr.1952. 464.8 Au7
On citrus.

12167 GIDDINGS, N. J. Two recently isolated curly top virus strains. (Abs.) Phytopathology 42:514. Sept. 1952. 464.8 P56
In sugar beets.

12168 GROGAN, R. G., WELCH, J. E., and BARDIN, R. Common lettuce mosaic and its control by the use of mosaic-free seed. Phytopathology 42:573-577. Oct. 1952. 464.8 P56

12169 GUTHRIE, J. W. Rod-like particles in extracts from virus-free potato plants. (Abs.) Phytopathology 42:466-467. Sept.1952. 464.8 P56

12170 HANSON, E. W., and HAGEDORN, D. J. Red clover, a reservoir of legume viruses in Wisconsin. (Abs.) Phytopathology 42:467. Sept.1952. 464.8 P56

12171 HILDEBRANDT, A. C., RIKER, A. J., and WATERTOR, J. L. Growth and virus activity in tobacco tissue cultures with naphthalene acetic acid or tryptophan. (Abs.) Phytopathology 42:467. Sept.1952. 464.8 P56

12172 HOLMES, F. O. Inheritance of resistance to tobacco-mosaic disease in tomato. (Abs.) Phytopathology 42:467. Sept.1952. 464.8 P56

12173 MOORE, J. D., and SLACK, D. A. Interaction of strains of necrotic ring spot virus. (Abs.) Phytopathology 42:470-471. Sept.1952. 464.8 P56
Cherries and peaches.

12174 MOORE, M. B. The cause and transmission of blue dwarf and red leaf of oats. (Abs.) Phytopathology 42:471. Sept.1952. 464.8 P56

12175 MOORHEAD, E. L., and PRICE, W. C. A new serological test for tobacco mosaic virus. (Abs.) Phytopathology 42:471. Sept.1952. 464.8 P56

12176 MULDER, F. Yellows in beets. (In Dutch.) Landbode 6(40):1. Oct.9,1952. 12 L234

12177 MURAKISHI, H. H. Two new virus diseases in Hawaii. (Abs.) Phytopathology 42:517. Sept.1952. 464.8 P56
On Cattleya and Desmodium canum.

12178 NATTI, J. J. Cabbage viruses in New York State. Farm Res. [N. Y. State Sta.] 18(4):7. Oct.1952. 100 N48A

12179 NATTI, J. J. Evaluation of the phloroglucinol test for the diagnosis of potato leafroll. (Abs.) Phytopathology 42:481. Sept.1952. 464.8 P56

12180 NICHOLS, C. W., and NYLAND, G. Hot water treatments of some stone fruit viruses. (Abs.) Phytopathology 42:517. Sept.1952. 464.8 P56

12181 NICHOLS, C. W. The inhibition of tobacco mosaic symptoms by application of certain plant hormones. (Abs.) Phytopathology 42:517. Sept.1952. 464.8 P56

12182 NICKELL, L. G. Vitamin B_1 requirement of Rumex virus tumor tissue. Torrey Bot. Club. B. 79: 427-430. Ref. Nov./Dec.1952. 451 T63B

12183 NYLAND, G. Separation of sour cherry yellows and ringspot viruses by passage through the seeds of Stockton Morello. (Abs.) Phytopathology 42:517-518. Sept.1952. 464.8 P56

12184 ODLAND, M. L., and NOLL, C. J. Pennvalley cabbage, a new yellows resistant variety. Pa. Agr. Expt. Sta. Prog. Rpt. 84,4 p. Aug.1952. 100 P381P

12185 OSWALD, J. W., and HOUSTON, B. R. Host range and epidemiology of the cereal yellow-dwarf virus in California. (Abs.) Phytopathology 42:518. Sept.1952. 464.8 P56

12186 POLLARD, E. C., and DIMOND, A. E. Constitution of two plant viruses as suggested by effects of deuteron bombardment on their infectivity and serology. (Abs.) Phytopathology 42:472. Sept.1952. 464.8 P56
Southern bean and tobacco mosaic viruses.

12187 PORTER, C. A., and MCWHORTER, F. P. Crystalline inclusions produced by red clover vein mosaic virus. (Abs.) Phytopathology 42:518. Sept.1952. 464.8 P56
In Vicia faba.

12188 ROLAND, G. Etude virologique sur la pomme de terre. Inst. pour l'Encour. de la Rech. Sci. dans l'Indus. et l'Agr. Compt. Rend. de Rech. 7,118 p. Ref. 330.9 In7C

12189 ROSS, A. F., ROCHOW, W. F., and SIEGEL, B. M. High concentrations of virus X in plants doubly infected with potato viruses X and Y. (Abs.) Phytopathology 42:473. Sept.1952. 464.8 P56

12190 RYZHKOV, V. L., and MARCHENKO, N. K. Effect of inhibitors of nucleinic metabolism on the propagation of tobacco mosaic virus. (In Russian.) Akad. Nauk SSSR. Dok. 86:637-639. Ref. Sept.21,1952. 511 P444A

12191 SCHLEGAL, D. E., DELWICHE, C. C., and GOLD, A. H. Effect of radioactive phosphorus on symptoms and virus content of mosaic tobacco plants. (Abs.) Phytopathology 42:519. Sept.1952. 464.8 P56

12192 SIEGEL, A., and WILDMAN, S. G. The differential sensitivity of two strains of tobacco mosaic virus to ultraviolet light. (Abs.) Genetics 37:624-625. Sept. 1952. 442.8 G28

12193 SIEGEL, A., and COHEN, M. A quantitative electrophoretic study of competition between two strains of tobacco mosaic virus. I. The inoculated mature leaf. (Abs.) Phytopathology 42:519. Sept.1952. 464.8 P56

12194 SIEGEL, A., COHEN, M., and WILDMAN, S. G. A quantitative electrophoretic study of competition between two strains of tobacco mosaic virus. III. The effect of inoculum strain ratio and the method of inoculation on the strain ratio in the systemically infected leaves. (Abs.) Phytopathology 42:474. Sept.1952. 464.8 P56

12195 SILL, W. H., JR. Effects of various temperatures upon symptomatology of wheat yellow streak-mosaic virus. (Abs.) Phytopathology 42:474. Sept.1952. 464.8 P56

12196 SKILES, R. L., and KING, T. H. Strawberry stunt virus in Fragaria vesca. Plant Dis. Rptr. 36:406-407. Nov.15,1952. 1.9 P69P

12197 SLACK, D. A. Dodder transmission [Cuscuta subinclusa] of a virus from X-diseased peach and sand cherry [Prunus pumila]. Phytopathology 42:475. Sept. 1952. 464.8 P56

12198 STANKOVIČ, D. Production of healthy planting material as the chief means for prevention of the spread of virus diseases of fruit trees. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):11-12. Aug.1952. 21.5 V87

12199 STEERE, R. L., and WILLIAMS, R. C. Composition of crystalline inclusion bodies of tobacco mosiac virus. (Abs.) Phytopathology 42:519. Sept.1952. 464.8 P56

12200 STOLZE, K. V. Die rüben-vergilbungskrankheit und ihre bekämpfung. Landwirtbl. Weser-Ems 34: 833-834. Aug.21,1952. 18 L2345

12201 STUBBS, L. L. Cucumber mosaic virus. Austral. Plant Dis. Recorder 4:30. July 1952. 464.8 Au7

12202 STUBBS, L. L. Honeysuckle [Lonicera] variegation caused by a virus. Austral. Plant Dis. Recorder 4:37. July 1952. 464.8 Au7

12203 STUBBS, L. L. Lettuce mosaic virus in Victoria. Austral. Plant Dis. Recorder 4:32. July 1952. 464.8 Au7

12204 STURGESS, O. W. Carrot motley dwarf. Austral. Plant Dis. Recorder 4:15. Apr.1952. 464.8 Au7

12205 SUKHOV, K. S. Virus of apical chlorosis of Nicotiana rustica. (In Russian.) Akad. Nauk SSSR. Dok. 85:1381-1382. Aug.21,1952. 511 P444A

12206 TANAKA, I., and OSHIMA, N. Studies on the virus diseases of crucifers in Hokkaido. I. A mosaic disease of kukitachina (Brassica campestris L.). (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63: 96-107. Ref. Mar.1952. 107.6 H68
English summary.

12207 VARNEY, E. H., and MOORE, J. D. Strain of tomato ringspot virus from American elm. (Abs.) Phytopathology 42:476 Sept.1952. 464.8 P56

12208 WADLEY, B. N. Symptoms in sweet cherry produced by western X-disease virus from peach. (Abs.) Phytopathology 42:519. Sept.1952. 464.8 P56

12209 WADLEY, B. N. Year-to-year variation in symptom expression of western X-disease on peaches in Utah. (Abs.) Phytopathology 42:519. Sept.1952. 464.8 P56

12210 WANT, J. P. H. VAN DER. Virus diseases and their occurrence on seed plants. (In Dutch.) Zaadbelangen 6:159-161. July 31,1952. 61.8 Z1

12211 WEATHERS, L. G., and POUND, G. S. Relation of host nutrition to the concentration of turnip virus 1 in Nicotiana glutinosa L. and N. multivalis L. (Abs.) Phytopathology 42:477. Sept.1952. 464.8 P56

12212 WELSH, M. F. Studies of the masking of little cherry disease symptoms. (Abs.) Phytopathology 42: 477-478. Sept.1952. 464.8 P56

12213 WILKINSON, R. E., and HIRSCH, U. Local lesion hosts for the lettuce mosaic virus. (Abs.) Phytopathology 42:478. Sept.1952. 464.8 P56
Gomphrena globosa and Chenopodium urbicum.

12214 WILKINSON, R. E. Woody plant hosts of the tobacco ringspot virus. (Abs.) Phytopathology 42:478. Sept.1952. 464.8 P56

12215 WILSON, R. D. Bean mosaic. Austral. Plant Dis. Recorder 4:7. Jan.1952. 464.8 Au7

12216 YARWOOD, C. E. Latent period and generation time for two plant viruses. Amer. J. Bot. 39:613-618. Ref. Nov.1952. 450 Am36

Diseases Caused by Nematodes

12217 ATKINS, J. G. Studies of white tip of rice and its control in Louisiana. Rice J. 55(11):8-10,31. Nov.1952. 59.8 R36
Caused by nematodes.

12218 ATKINS, J. G., JR., and TODD, E. H. Laboratory screening of chemicals for control of rice white tip. (Abs.) Phytopathology 42:463. Sept.1952. 464.8 P56
Aphelenchoides oryzae.

12219 BOURN, N. Killing Chrysanthemum eelworms in five minutes. Grower [London] 38:1148-1149. Dec.6,1952. 286.83 M34

12220 CAIRNS, E. J. Anabiotic survival of a new species of Ditylenchus nematode. (Abs.) Phytopathology 42:464. Sept.1952. 464.8 P56

12221 CHRISTIE, J. R. Ectoparasitic nematodes of plants. (Abs.) Phytopathology 42:483-484. Sept.1952. 464.8 P56

12222 CLEMENT, P. Les nématodes nuisibles aux cultures fruitières tropicales. Fruits 7:424-435. Ref. Oct.1952. 80 F9492

12223 FASSULIOTIS, G., and FELDMESSER, J. An attempt to concentrate golden nematode-stimulatory elements from potato-root leachings. (Abs.) Phytopathology 42:466. Sept.1952. 464.8 P56
Heterodera rostochiensis.

12224 FEDER, W. A. Observations on the nematocidal action of some organophosphorus insecticides. (Abs.) Phytopathology 42:466. Sept.1952. 464.8 P56

12225 FELDMESSER, J. Root galls of tomato induced by Heterodera rostochiensis Woll., the golden nematode. (Abs.) Phytopathology 42:466. Sept.1952. 464.8 P56

12226 FRASER, L. R. New records of foliar nematode [Aphelenchoides fragariae]. Austral. Plant Dis. Recorder 4:36. July 1952. 464.8 Au7

12227 GOFFART, H. Vierzig jahre kartoffelnematoden bekämpfung in Deutschland. Gesunde Pflanzen 4:261-264. Oct.1952. 464.8 G33

12228 LEAR, B., and MAI, W. F. Methyl bromide for disinfesting burlap bags and machinery to help prevent spread of golden nematode [Heterodera rostochiensis] of potatoes. Phytopathology 42:489-492. Sept.1952. 464.8 P56

12229 LINDHARDT, K. Investigations of nematode attacks on strawberries in Denmark. (In Danish.) Tidsskr. f. Planteavl 55:658-699. Ref. 1952. 11 T439
English summary.

12230 LOWNSBERY, B. F. Host preferences of the recently discovered tobacco cyst nematode, Heterodera sp. (Abs.) Phytopathology 42:469. Sept.1952. 464.8 P56

12231 MCBETH, C. W. Methods of assaying nematicides. (Abs.) Phytopathology 42:484. Sept.1952. 464.8 P56

12232 MAI, W. F., and MECHOW, J. VON. Relative humidity in relation to the retention of viability of larvae enclosed in cysts and free larvae of the golden nematode, Heterodera rostochiensis, Wollenweber. (Abs.) Phytopathology 42:469-470. Sept.1952. 464.8 P56

12233 MAI, W. F., and LEAR, B. Yearly D-D treatments and continuous potato production in relation to the golden nematode population of the soil. (Abs.) Phytopathology 42:481. Sept.1952. 464.8 P56

12234 MARCHIONATTO, J. B. Comentarios sobre últimos trabajos relacionados con el nematode "Tylenchulus semipenetrans." Rev. Argentina de Agron. 19: 184-185. Sept.1952. 9 R327

12235 MILLER, L. I. Control of the sting nematode on peanuts in Virginia. (Abs.) Phytopathology 42:470. Sept.1952. 464.8 P56
Belonolaimus gracilis.

12236 MUKASA, K., and ICHINOHE, M. A study on the nematode-disease index to soy bean varieties using relative index system. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:117-120. Mar.1952. 107.6 H68
English summary.

12237 NISHIZAWA, T., and YAMAMOTO, S. Studies on the varietal resistance of rice plant to the rice nematode disease "Senchu Shingare Byo." V. Kyushu Noji Shikenjo 9:11-12. Mar.1952. 107.6 K996

12238 PIQUER, G. Le nématode ou anguillule du Chrysanthème. B. Hort. (n.s.)7:291-296. Ref. Oct.1, 1952. 80 B873

12239 RASKI, D. J. The first record of the Brassica-root nematode in the United States. Plant Dis. Rptr. 36: 438-439. Nov.15,1952. 1.9 P69P

12240 RASKI, D. J. Methods of detecting and investigating plant-parasitic nematodes. (Abs.) Phytopathology 42:484. Sept.1952. 464.8 P56

12241 SASSER, J. N., and TAYLOR, A. L. Studies on the entry of larvae of root-knot nematodes into roots of susceptible and resistant plants. (Abs.) Phytopathology 42:474. Sept.1952. 464.8 P56

12242 SASSER, J. N. Systox for control of nematodes. Farm Chem. 115(11):12-13,69. Nov.1952. 57.8 Am3

12243 SLEETH, B. Citrus-root nematode and old citrus soil problems in the Lower Rio Grande Valley. Tex. Agr. Expt. Sta. Prog. Rpt. 1510,2 p. Nov.18,1952. 100 T31P

12244 STEINER, G. Phenomena and problems of the internal parasitism of nematodes in plants. (Abs.) Phytopathology 42:484. Sept.1952. 464.8 P56

12245 TAYLOR, A. L. Progress and prospects in the chemical control of nematodes. Agr. Chem. 7(11): 39-41,123. Nov.1952. 381 Ag8

ECOLOGY

12246 BEILMANN, A. P. High speed ecology and the arborist. Arborist's News 17:85-88. Oct.1952. 99.8 Ar14

12247 BERGHEN, C. V. Contribution à l'étude des bas-marais de Belgique. Brussels. Jard. Bot. de l'Etat. B. 22:1-63. June 1952. 451 B83B
An ecological study.

12248 BOND, T. E. T. Elymus arenarius L. J. Ecol. 40:217-227. Ref. Feb.1952. 450 J829
Biological flora of the British Isles.

12249 BRAUN-BLANQUET, J., and TÜXEN, R. Irische pflanzengesellschaften. Geobot. Inst. Rübel. Zürich. Veröffentl. 25:224-415. Ref. 1952. 451 Z83

12250 CATALANO, G. Adaptation to environment and significant ecological correlation of sex in plants. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1): 1157-1170. 1952. 388 C765Re
English summary.

12251 CHAUDHRI, I. I. Observations on the vegetation of Bara land of the Punjab. Pakistan J. Forestry 2: 188-200. Ref. July 1952. 99.8 P17

12252 CORY, V. L. The disappearance of plant species from the range in Texas. Wild Flower 28:51-68. July 1952. 451 W642

12253 CURTIS, J. T. Outline for ecological life history studies of vascular epiphytic plants. Ecology 33: 550-558. Ref. Oct.1952. 410 Ec7

12254 FINA, A. L. DE., and GARBOSKY, A. J. Difusión geográfica de cultivos;índices anuales en el Chaco Argentino. Rev. Argentina de Agron. 19:166-170. Sept. 1952. 9 R327

12255 FISHER, F. J. F. Observations on the vegetation of screes in Canterbury, New Zealand. J. Ecol. 40:156-167. Ref. Feb.1952. 450 J829

12256 GILLILAND, H. B. The vegetation of eastern British Somaliland. J. Ecol. 40:91-124. Ref. Feb.1952. 450 J829

12257 GREIG-SMITH, P. Ecological observations on degraded and secondary forest in Trinidad, British West Indies. I-II. J. Ecol. 40:283-330. Ref. Oct.1952. 450 J829
With appendix on soils by F. Hardy and G. Rodrigues.

12258 HASKELL, G. Polyploidy, ecology and the British flora. J. Ecol. 40:265-282. Ref. Oct.1952. 450 J829

12259 HEDIN, L. Recherches sur l'écologie des prairies françaises: un essai de classification. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:361-376. Ref. July/Aug.1952. 26 R323
With an introduction by A. Chevalier.

12260 HOWARD, H. W., and LYON, A. C. Nasturtium officinale R.Br. J. Ecol. 40:228-245. Ref. Feb.1952. 450 J829
Biological flora of the British Isles.

12261 IVANOV, V. V. In regard to the role of steppe fires. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(1):62-69. Ref. 1952. 511 M85
Effects on vegetation.

12262 IVINS, J. D. Concerning the ecology of Urtica dioica L. J. Ecol. 40:380-382. Oct.1952. 450 J829

12263 JOWETT, G. H., and SCURFIELD, G. Statistical investigations into the success of Holcus mollis L. and Deschampsia flexuosa (L.) Trin. J. Ecol. 40:393-404. Ref. Oct.1952. 450 J829

12264 KASSAS, M. Habitat and plant communities in the Egyptian desert. I. J. Ecol. 40:342-351. Oct.1952. 450 J829

12265 KASSAS, M. Studies in the ecology of Chippenham Fen. III-IV. J. Ecol. 40:50-73. Feb.1952. 450 J829

12266 KITCHING, J. A., and others. The ecology of the Lough Ine Rapids with special reference to water currents. III. J. Ecol. 40:179-201. Feb.1952. 450 J829
S. J. Lilly, S. M. Lodge, J. F. Sloane, R. Bassindale, and F. J. Ebling, joint authors.

12267 KÖNIG, F. Pflanzensoziologie und qualitätsfutterbau. Landwirt. Forsch. Sonderh. 2:18-27. Ref. 1952. 18 L2333A

12268 LETKOVSKII, A. I. Some peculiarities of the [forest] vegetative cover under the same type of growing conditions. (In Russian.) Lesn. Khoz. 5(4):43-48. Apr. 1952. 99.8 L5622

12269 LUDI, W. Fragmente zu waldstudien in Irland. Geobot. Inst. Rübel. Zürich. Veröffentl. 25:214-223. 1952 451 Z83
An ecological study.

12270 LUDI, W. Die standortsstetigkeit einiger irischer gewächse aus mitteleuropäischem blickpunkt gesehen. Geobot. Inst. Rübel. Zürich. Veröffentl. 25: 201-213. 1952. 451 Z83

12271 MARLER, P., and BOATMAN, D. J. An analysis of the vegetation of the northern slopes of Pico—the Azores. J. Ecol. 40:143-155. Feb.1952. 450 J829

12272 MINAMIKAWA, K., and OGUMA, K. Genecological studies on cabbage varieties. I. On the heading ecologies of summer-sowing varieties. (In Japanese.) Kyushu Noji Shikenjo 9:73-74. Mar.1952. 107.6 K996

12273 PARKER, J. Environment and forest distribution of the Palouse Range in northern Idaho. Ecology 33: 451-461. Ref. Oct.1952. 410 Ec7

12274 PIELOU, E. C. Notes on the vegetation of the Rukwa Rift Valley, Tanganyika. J. Ecol. 40:383-392. Oct.1952. 450 J829

12275 ROBERTY, G. La végétation du Ferlo. Inst. Franç. d'Afrique Noire. B. 14:777-798. July 1952. 515 D14

12276 SIGAFOOS, R. S. Frost action as a primary physical factor in tundra plant communities. Ecology 33: 480-487. Ref. Oct.1952. 410 Ec7

12277 SOKHADZE, E. V., and SOKHADZE, M. E. On bio-ecological peculiarities of East Indies bluestem [Andropogon ischaemum] and structure of East Indies bluestem associations. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(3):49-60. Ref. 1952. 511 M85

12278 STEPHENSON, T. A., and STEPHENSON, A. Life between tide-marks in North America. II. J. Ecol. 40:1-49. Ref. Feb.1952. 450 J829
Plant ecology, North Carolina to Florida.

12279 TRAUTMANN, W. Pflanzensoziologische untersuchungen der fichtenwälder des bayerischen waldes. Forstwiss. Centbl. 71:289-313. Ref. Sept./Oct. 1952. 99.8 F775

12280 TSATSENKIN, I. A., MAKSIMOVA, V. F., and SHCHERBINOVSKAÍA, T. N. Geobotanical distribution of pastures and meadows of Western Caspian Lowlands—Yergeni Hills, Sarpa Lowlands and Black Lands. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(1): 44-61. 1952. 511 M85

12281 VOSTOKOVA, E. A. The cheegrass [Stipa splendens] associations of Western Kazakhstan. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(1): 70-75. Ref. 1952. 511 M85

12282 WALKER, F. T. Sublittoral seaweed survey: Dunbar to Fast Castle, east Scotland. J. Ecol. 40:74-83. Feb.1952. 450 J829

12283 WEBLEY, D. M., EASTWOOD, D. J., and GIMINGHAM, C. H. Development of a soil microflora in relation to plant succession on sand-dunes, including the 'rhizosphere' flora associated with colonizing species. J. Ecol. 40:168-178. Ref. Feb.1952. 450 J829

12284 WILSON, J. W. Vegetation patterns associated with soil movement on Jan Mayen Island. J. Ecol. 40: 249-264. Ref. Oct.1952. 450 J829

12285 WOMERSLEY, H. B. S., and EDMONDS, S. J. Marine coastal zonation in southern Australia in relation to a general scheme of classification. J. Ecol. 40:84-90 Ref. Feb.1952. 450 J829

MORPHOLOGY, ANATOMY, AND CYTOLOGY

12286 ABRAMS, G. J. VON. The plant cell. Amer. Rose Mag. 10(10):10-13. Oct.1952. 80 Am327A

12287 BALDINI, E., and GUCCIONE, G. Observations on an olive race with sterile anthers. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1205-1216. Ref. 1952. 16 An76
English summary.

12288 BÜNNING, E. Morphogenesis in plants. Survey Biol. Prog. 2:105-140. Ref. 1952. 442.8 Su7

12289 COZZO, D. Anatomia del leño secundario de las leguminosas mimosoideas y cesalpinioideas argentinas silvestres y cultivadas. Mus. Argentino de Cien. Nat. "Bernardino Rivadavia." Rev. Cien. Bot. 2:63-146. Ref. 1951. 451 B864
English summary.

12290 COZZO, D. Estratificación del leño secundario en el género "Cyclolobium" Bentham. Rev. Argentina de Agron. 19:143-146. Sept.1952. 9 R327
English summary.

12291 COZZO, D. Investigaciones anatómicas en maderas de Sapotaceas argentinas. Mus. Argentino de Cien. Nat. "Bernardino Rivadavia." Rev. Cien. Bot. 2: 263-290. Ref. 1951. 451 B864
English summary.

12292 DESMARAIS, Y. Dynamics of leaf variation in the sugar maples. Brittonia 7:347-387. Ref. Oct.6,1952. 470 B77

12293 FAHNENBROCK, M., and LIESE, W. Elektronenmikroskopische untersuchungen an nadelholztracheiden. (Sum.) Angew. Chem. 64:559-560. Oct.7,1952. 384 Z33

12294 HANSON, A. A. The nature of polyploidy in alfalfa. Alfalfa Impr. Conf. Rpt. 13:20-21. Ref. 1952. 60.9 AL2

12295 JACQUES-FELIX, M. Momification de phanérogames par un champignon [Rhizomorpha corynecarpos]. Rev. de Mycol. Sup. Colon. 17(1):1-9. July 1, 1952. 450 R327

12296 JACQUES-FELIX, H. Les recherches cytologiques de M. Favarger sur les Mélastomacées d'Afrique Tropicale. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:391-393. July/Aug.1952. 26 R323

12297 JONES, H. Variation in leaf form in Callitriche intermedia. Nature [London] 170:848-849. Nov.15,1952. 470 N21

12298 JOSHI, A. C. The use of anatomical characters in determining the original home of plants. Indian J. Genet. & Plant Breeding 11:111-113. June 1951. 64.8 In2

12299 KAMIYA, M. On the chimera occurring in Triticum vulgare. (In Japanese.) Kyushu Noji Shikenjo 9:109-110. Mar.1952. 107.6 K996

12300 KIHARA, H., KIMURA, M., and ONO, H. Studies on the right- and left-handedness of spikelets in Einkorn wheats [Triticum monococcum]. Japan Acad. Proc. 27:678-683. Dec.1951. 513 T5723

12301 KINOSHITA, K. Studies on the flowering phenomena and the fructification of insect flowers, (Chrysanthemum cinerariaefolium Bocc.) (In Japanese.) Japan. Natl. Hyg. Lab. B. 69:130-135. Dec.1951. 449.9 J27
English summary.

12302 KOPETZKY-RECHTPERG, O. Uber eine missbildung der alge Netrium digitus (Ehrenberg) Itzigs. und Rothe. Osterr. Akad. der Wiss. Math.-Natwiss. Kl. Sitzber. Abt. 1 160:573-578. 1951. 510 V67

12303 KOVACHICH, W. G. Abnormal roots in oil palms [Elaeis guineensis] in the Belgian Congo. Trop. Agr. [St. Augustine] 29:29-34. Jan./Mar.1952. 26 T754

12304 KRAPOVICKAS, A. Numeros cromosómicos de tres Compuestas riojanas. Estac. Expt. de Manfredi. P. 4:105-106. Oct.1951. 102.5 M31P

12305 KREBS, I. Beiträge zur kenntnis des Desmidiaceen-protoplasten. I. Österr. Akad. der Wiss. Math.-Natwiss. Kl. Sitzber. Abt. 1 160:579-613. 1951. 510 V67

12306 LAUDERMILK, J. The plant with the hypodermic needle. Nat. Hist. 61:350-353. Oct.1952. 500 N483J
Urtica.

12307 MCCLENDON, J. H., and BLINKS, L. R. Use of high molecular weight solutes in the study of isolated intracellular structures. Nature [London] 170:577-578. Oct.4,1952. 472 N21
Plastids of Griffithsia pacifica used in tests.

12308 MAHESHWARI, P., and NARAYANASWAMI, S. Embryological studies on Spiranthes australis Lindl. Linn. Soc. London. J. Bot. 53:474-486. Ref. July 29, 1952. 451 L64J

12309 MANRESA XAMENA, J. De las flores a los frutos. Balearic Isl. Diputación Prov. B. de Agr. 93:8-9. June 1952. 15 B19
Plant morphology.

12310 MATHERS, B. A. A study of fruit-bud development in Rubus idaeus. J. Hort. Sci. 27:266-272. Oct.1952. 80 J825

12311 METCALFE, C. R. Notes on the anatomy of the leaf and stem of Anisophyllea guianensis Sandwith. Kew B. 3:291-293. 1952. 451 K51B

12312 MEYER, J. Réduction plastidale de différenciation au cours de l'hyperplasie du tissu palissadique de la feuille de hêtre sous l'action cécidogène d'Oligotrophus annulipes Htg. Acad. des Sci. Compt. Rend. 235:391-393. Aug.4,1952. 505 P21

12313 MÜHLETHALER, K. Elektronenmikroskopische untersuchungen von pflanzenzellen mit hilfe von schnitten. (Sum.) Angew. Chem. 64:559. Oct.7,1952. 384 Z33

12314 MULLAHY, J. H. The morphology and cytology of Lemanea australis Atk. Torrey Bot. Club. B. 79:471-484. (Concl.) Ref. Nov./Dec.1952. 451 T63B

12315 MUNTZING, A. The meiotic pairing of isochromosomes in rye. Portugaliae Acta Biol. Sér. A 1949/51:831-860. Ref. 442.8 P83

12316 PATAU, K. The DNA content of nuclei in root tips of Rhoeo discolor. (Abs.) Genetics 37:612. Sept. 1952. 442.8 G28

12317 PUNNETT, H. H. An aberrant fragment chromosome in maize. (Abs.) Genetics 37:615. Sept. 1952. 442.8 G28

12318 RAMANUJAM, S. Cytology in India with special reference to crop plants. Indian Sci. Cong. Proc. 39:127-147. Ref. 1952. 513 In22

12319 RAO, C. V., and RAO, K. V. S. A contribution to the embryology of Triumfetta rhomboidea Jacq. and Corchorus acutangulus L. Indian Bot. Soc. J. 31:56-68. Ref. 1952. 450 J821

12320 RAO, C. V. The embryology of Muntingia calabura L. Indian Bot. Soc. J. 31:87-101. Ref. 1952. 450 J821

12321 REZENDE-PINTO, M. C. DE, and LEMOS-PEREIRA, A. DE. A case of post-meiotic chromatic reduction. Portugaliae Acta Biol. Sér. A 1949/51:652-662. Ref. 442.8 P83
In Dryopteris filix-mas.

12322 ROANE, C. W. Nuclear cytology and morphologic variation in Helminthosporium carbonum Ullstrup. (Abs.) Phytopathology 42:480. Sept.1952. 464.8 P56

12323 ROWSON, J. M. The hypodermal zone in the testa of certain leguminous seeds. Roy. Micros. Soc. J. (ser.3)72:46-55. Ref. Jan.1952. 440.9 R81J

12324 SAEZ, F. A. Cytological study of some South American species of the genus Hypochaeris (Compositae). (Abs.) Genetics 37:622. Sept.1952. 442.8 G28

12325 SAEZ, F. A. The cytology of Sorghum almum Parodi. II. The meiotic chromosomes. (Abs.) Genetics 37:622-623. Sept.1952. 442.8 G28

12326 SCHENDELL, G. Die technik der samenschleuder von Viola tricolor var. Urania 15:310. Aug.1952. 474 Ur1

12327 SCHWARZ, H. Untersuchungen über die technischen eigenschaften des holzes der auf flysch- und kalkboden stockenden esche im bereich des Wienerwaldes. Österr. Vrtljahresschr. f. Forstw. 93:86-94. (Concl.) 1952. 99.8 Oe8

12328 SEARS, E. R. Homoeologous chromosomes in Triticum aestivum. (Abs.) Genetics 37:624. Sept.1952. 442.8 G28

12329 SHIMAZAKI, Y. Histological studies on the abnormality of tapetal cell of rice-plant. I. Abnormality of tapetal cell caused by the artificial drought. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:1-5. Mar.1952. 107.6 H68
English summary.

12330 SHIMOYA, C., and FERLAN, L. Orchid studies. III. Chromosome determination in Ophrys. (In Portuguese.) Brotéria 21:171-176. 1952. 410 B79C

12331 SINGH, B. A contribution to the floral morphology and embryology of Dendrophthoe falcata (L. f.) Ettingsh. Linn. Soc. London. J. Bot. 53:449-473. Ref. July 29,1952. 451 L64J

12332 SINIUKHIN, A. M. Features of ontogenetic development of cells in the barley growing point. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 5:33-55. Ref. Sept./Oct.1952. 511 S22B

12333 SPARROW, A. H., POND, V., and SPARROW, R. C. Distribution and behavior of supernumerary chromosomes during microsporogenesis in a population of Trillium erectum L. Amer. Nat. 86:277-292. Ref. Sept./Oct.1952. 470 Am36 80 H787

12334 SPEESE, B. M., and BALDWIN, J. T., JR. Chromosomes of Hymenoxys. Amer. J. Bot. 39:685-688. Nov.1952. 450 Am36

12335 STERN, F. C. Cytology and horticulture. Roy. Hort. Soc. J. 77:394-405. (Cont.) Nov.1952. 84 L84J

12336 STOLLER, B. B. Abnormal growth and fructification of the cultivated mushroom. Science 116:320-322. Sept.26,1952. 470 Sci2

12337 TEATINI, D. Propriétés des membranes cellulaires en relation avec les systemes d'extraction. Cong. Internaz. Indus. Agr. Relaz. 9(1):67-116. Ref. 1952. 388 C765Re
Plants and animals.

12338 VAARAMA, A. Meiosis in moss-species of the family Grimmiaceae. Portugaliae Acta Biol. Sér. A 1949/51:47-78. Ref. 442.8 P83

12339 VAUGHAN, J. G. An investigation into the stem apex of Syringa vulgaris L. with special reference to the formation of the leaf and leaf procambium. Linn. Soc. London J. Bot. 53:511-515. Ref. July 29,1952. 451 L64J

12340 VIVEIROS, A. Karyological studies on the Aloinae. VI. Portugaliae Acta Biol. Sér. A 1949/51: 200-230. Ref. 442.8 P83

12341 WEYERS, W. H., and REUSCH, J. D. H. A note on the cytology of Ornithogalum virens Lindl. So. African J. Sci. 49:21-24. Aug.1952. 515 So84

12342 WYLIE, R. B. The bundle sheath extension in leaves of dicotyledons. Amer. J. Bot. 39:645-651. Ref. Nov.1952. 450 Am36

GENETICS

12343 ABRAMOV, N. A. Effect of pollinator [varieties] on time of apple seed germination. (In Russian.) Agrobiologiîa 5:111-115. Ref. Sept./Oct.1952. 20 Ag822

12344 ANDERSON, R. E., and BRINK, R. A. Kernel pattern in variegated pericarp maize and the frequency of self-colored offspring. Amer. J. Bot. 39:637-644. Ref. Nov.1952. 450 Am36

12345 AVOTIN-PAVLOV, K. ÎA. Mutation resembling spruce [Picea] in pine. (In Russian.) Agrobiologiîa 5:30-35. Ref. Sept./Oct.1952. 20 Ag822

12346 BOONE, D. M., and KEITT, G. W. Induced biochemical mutants in Venturia inaequalis. (Abs.) Phytopathology 42:479. Sept.1952. 464.8 P56

12347 CARINPIN, J. M., and ROLA, G. A. A genetic study of variegation in rice. Philippine Agr. 35:196-201. Sept.1951. 25 P542

12348 COMSTOCK, R. E. Statistical genetics in alfalfa breeding. Alfalfa Impr. Conf. Rpt. 13:28-30. 1952. 60.9 AL2

12349 DARROW, E. M., MORROW, E. B., and SCOTT, D. H. An evaluation of interspecific blueberry crosses. Amer. Soc. Hort. Sci. Proc. 59:277-282. June 1952. 81 So12

12350 DARROW, G. M. Polyploidy in fruit breeding. Amer. Soc. Hort. Sci. Proc. 59:283-284. June 1952. 81 So12

12351 DOWRICK, G. J. The cause of sporting in the Chrysanthemum. Gard. Illus. 69(12):308-309. Dec.1952. 80 G169

12352 EINSET, J. Spontaneous polyploidy in cultivated apples. Amer. Soc. Hort. Sci. Proc. 59:291-302. June 1952. 81 So12

12353 FISHER, R. A. Types of genetic evidence bearing on meiotic behaviour in tetraploids. (Abs.) Alfalfa Impr. Conf. Rpt. 13:27. 1952. 60.9 AL2

12354 GRAFL, I. Moderne methoden der pflanzenzüchtung. (Sum.) Bern. Natforsch. Gesell. Mitt. (n.s.) 9:XXXIX-XL. 1952. 508 B45

12355 GRAUMANN, H. O., and MATLOCK, R. S. Yield performance of synthetics in the first and subsequent generations following synthesis. Alfalfa Impr. Conf. Rpt. 13:22-24. 1952. 60.9 AL2

12356 GREHN, J. Das samengewicht bei kreuzungen innerhalb der sektion Populus Leuce als funktion des weiblichen und männlichen partners. Z. f. Forstgenet. u. Forstpflanzenzücht. 2:8-16. Ref. 1952. 99.8 Z36
English summary.

12357 HANSEN, H. N., and SNYDER, W. C. Inheritance of the sexes and compatibilities in fungi. (Abs.) Phytopathology 42:479-480. Sept.1952. 464.8 P56

12358 HEITZ, E. Weitere beobachtungen an den geschlechtsmutanten, insbesondere den intersexen von Pellia neesiana. Portugaliae Acta Biol. Sér. A 1949/51: 353-366. 442.8 P83

12359 HUELSEN, W. A. A pedigree system for plant breeders. Amer. Soc. Hort. Sci. Proc. 59:463-470. June 1952. 81 So12

12360 JONES, H. A., and PETERSON, C. E. Complementary factors for light-red bulb color in onions. Amer. Soc. Hort. Sci. Proc. 59:457. June 1952. 81 So12

12361 KARAPETÎAN, S. K. Sport resembling European filbert [Corylus avellana] in Carpinus caucasicus. (In Russian.) Agrobiologiîa 5:23-29. Sept./Oct.1952. 20 Ag822

12362 KEITT, G. W., and BOONE, D. M. Additional gene pairs conditioning pathogenicity in Venturia inaequalis. (Abs.) Phytopathology 42:480. Sept.1952. 464.8 P56

12363 KUZ'MIN, P. K. Mutation resembling bristly foxtail grass [Setaria] and barnyardgrass [Echinochloa crusgalli] in millet. (In Russian.) Agrobiologiîa 5:40-41. Sept./Oct.1952. 20 Ag822

12364 LYSENKO, T. D. Vitality of plant and animal organisms. (In Russian.) Agrobiologiîa 5:3-8. Sept./Oct. 1952. 20 Ag822

12365 MARINCHIK, A. F. Behavior of generation grown from seeds of vegetative sugar beet hybrids derived from components at different developmental stages. (In Russian.) Agrobiologiîa 5:59-66. Ref. Sept./Oct.1952. 20 Ag822

12366 MENZEL, M. Y. Polygenomic hybrids in Gossypium. III. Somatic reduction in a phenotypically-altered branch of a three-species hexaploid. Amer. J. Bot. 39:625-633. Ref. Nov.1952. 450 Am36

12367 MIKHAÎLOVA, L. V. Mutation resembling winter rape [Brassica napus L. v. esculenta D. C.] in cabbage [Brassica oleracea v. capitata]. (In Russian.) Agrobiologiîa 5:36-39. Sept./Oct.1952. 20 Ag822

12368 MORROW, E. B. and DARROW, G. M. Effects of limited inbreeding in strawberries. Amer. Soc. Hort. Sci. Proc. 59:269-276. Ref. June 1952. 81 So12

12369 MORTENSEN, J. A., and BRITTINGHAM, W. H. The inheritance of pod color in the Southern pea, Vigna sinensis. Amer. Soc. Hort. Sci. Proc. 59:451-456. June 1952. 81 So12

12370 OLMO, H. P. Breeding tetraploid grapes. Amer. Soc. Hort. Sci. Proc. 59:285-290. June 1952. 81 So12

12371 OL'SHANSKIÎ, M. A. Theoretical principles of the method of intervarietal hybridization of plants in free pollination. (In Russian.) Agrobiologiîa 5:9-22. Sept./Oct.1952. 20 Ag822

12372 PADDOCK, E. F., and ALEXANDER, L. J. Cauliflower, a new recessive mutation in tomato. Ohio J. Sci. 52:327-334. Nov.1952. 410 Oh3

12373 PATTERSON, E. B. The use of functional duplicate-deficient gametes in locating genes in maize. (Abs.) Genetics 37:612-613. Sept.1952. 442.8 G28

12374 PETERSEN, W. Tetraroggen in der bewährung. Deut. Landwirt.-Gesell. Mitt. 67:724-726. Oct.9, 1952. 18 N39

12375 POGLIAGA, H. H. Híbrido intergenérico "Nicotiana × Petunia." Rev. Argentina de Agron. 19:171-178. Sept.1952. 9 R327

12376 PRAKKEN, R. The heredity of double floweriness in stocks. Zaad-, Bloem- en Bollenwereld 16:333, 335,337,377,379,381-383. Aug.-Sept.1952. 61.8 Z12

12377 RESENDE, F. Lethal differences. (In Portuguese.) Soc. Portug. de Ciên. Nat. B. (ser.2)3:223-225. 1951. 506 So1

12378 RICK, C. M., and BARTON, D. W. The primary trisomics of Lycopersicon esculentum. (Abs.) Genetics 37:617-618. Sept.1952. 442.8 G28

12379 ROBINSON, H. F. Estimation and application of genetic variances in corn. Alfalfa Impr. Conf. Rpt. 13:25-26. 1952. 60.9 AL2

12380 ROO, R. DE. Colchicine-induced tetraploidy in some fodder plants. (In Flemish.) Gent. Landbouwhogesch. Meded. 17:281-292. Ref. June 1952. 105.1 G344
English summary.

12381 SADYKOV, A. M. New cases of wheat degeneration. (In Russian.) Agrobiologiîa 5:42-44. Sept./Oct. 1952. 20 Ag822
Rye kernels in wheat spikes.

12382 SCARDOVI, V. Hybridization and mutation of yeasts. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):513-528. Ref. 1952. 388 C765Re
English summary.

12383 SCHULTZ, J. H., and KELLY, E. A study of ascorbic acid content and fruit size in tomatoes segregating for those characters. Amer. Soc. Hort. Sci. Proc. 59:458-462. June 1952. 81 So12

12384 SCHWANITZ, F. Züchtung und pflanzenqualität. Landwirt. Forsch. Sonderh. 2:3-17. Ref. 1952. 18 L2333A

12385 SCOTTISH SOCIETY FOR RESEARCH IN PLANT-BREEDING. Report (Abridged), to the annual general meeting, 31st July 1952. Edinburgh,1952. 37 p. 10 Sco86

12386 SEGAL, J. The mechanism of heredity and theories of Michurin and Lysenko. (In Italian.) Italia Agr. 89:690-696. Oct.1952. 16 It1

12387 SHAĬTAN, I. M. Reciprocal effect of individual components in a pollen mixture. (In Russian.) Agrobiologiia 5:108-111. Sept./Oct.1952. 20 Ag822
Experiments with fruit.

12388 SIZOV, J. A. New characteristics and formation of new varieties. (In Czech.) Za Socialist. Zeměděl. 2:199-203. Feb.1952. 19.5 Z1

12389 SPECKMANN, G. J. The induction of polyploids and their practical significance for plant breeding. III. Zaad-, Bloem- en Bollenwereld 16:341,343. Aug. 1952. 61.8 Z12

12390 SRINATH, K. V. Plant life:"the future." Sci. Club J. 6:25-28. June/Aug.1952. 475 Sci29
Plant breeding.

12391 STADLER, L. J. Spontaneous mutation at the R locus in maize. IV. Portugaliae Acta Biol. Sér. A 1949/51:785-797. 442.8 P83

12392 STEBBINS, G., LEDYARD, JR., and VAARAMA, A. Chromosome behavior, fertility, and genetic segregation in synthetic allopolyploids between Elymus glaucus and Sitanion. (Abs.) Genetics 37:629-630. Sept.1952. 442.8 G28

12393 TOXOPEUS, H. J. The significance of chromosome-doubling for the breeding of medicinal and aromatic crops. (In Dutch.) Herba 11(2):1-11. Feb.1952. 71.8 H412
English summary.

12394 TRUKHINOVA, A. T. Crossing of rye and wheat. (In Russian.) Vsesoiuzn. Adak. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(10):3-6. Ref. 1952. 20 Ak1

12395 UL'IANISHCHEV, M. I. Non-related hybridization in apricots. (In Russian.) Agrobiologiia 5:115-117. Sept./Oct.1952. 20 Ag822

12396 WALTERS, M. S. Atypical chromosome movement in meiotic anaphase of Bromus pitensis×B. marginatus. Amer. J. Bot. 39:619-625. Ref. Nov.1952. 450 Am36

12397 WOODS, R. Yeast genetics, a new experimental approach to the study of heredity. Anheuser-Busch. Dried Yeasts & Derivatives Dept. Yeast 2(2), 22 p. Ref. July 1952. 390.09 An4

PHYSIOLOGY

12398 ABRAHÃO, J., and ANDRADE, A. C. DE. Potash hunger or cotton rust of cotton in the State of São Paulo. (In Portuguese.) Biológico 18:91-102. June 1952. 442.8 B529

12399 ALLEN, P. J. Toxins and tissue respiration. (Abs.) Phytopathology 42:483. Sept.1952. 464.8 P56
In relation of parasite to host.

12400 ANDREWS, P. S., and WATSON, D. P. Stages in anatomical development of the flower head of Chrysanthemum morifolium Bailey. Amer. Soc. Hort. Sci. Proc. 59:516-522. Ref. June 1952. 81 So12
Influence of photoperiods.

12401 ARCENEAUX, G., HEBERT, L. P., and MAYEUX, L. C., JR. Effects of breakage on plant development and field production with sugarcane. U. S. D. A. Tech. B. 1059,15 p. Ref. Sept.1952. 1 Ag84Te

12402 AVERY, G. S., JR., ed. Survey of biological progress, volume II. New York,Acad.Press,1952. 333 p. 442.8 Su7

12403 BAELUS, S. Deficiency diseases of tomatoes. (In Flemish.) Tuinbouwberichten 16:133,132. Sept.15, 1952. 80 T817

12404 BAILEY, P. C. Differential reactivity in six species of Trillium. Torrey Bot. Club. B. 79:451-458. Nov./Dec.1952. 451 T63B

12405 BASTIN, R. Les substances freinantes de la germination. Agricultura [Louvain] 50:66-81. Ref. Sept.1952. 13 R32

12406 BEACH, G. Effect of ammonium sulphate and potassium chloride on Patrician carnations in soil. Amer. Soc. Hort. Sci. Proc. 59:484-486. June 1952. 81 So12

12407 BEHRENS, W. U. Einfluss der phosphorsäuredüngung auf die eiweissbildung der nutzpflanzen. Landwirt. Forsch. Sonderh. 2:77-79. 1952. 18 L2333A

12408 BERG, B. Die vermehrung der pflanzen durch vegetationsorgane. Saatgut-Wirt. 4:214-215. Sept.1952. 61.8 Sa1

12409 BERTRAND, G. Les oligoéléments dans la nutrition des plantes. Cong. Internaz. Indus. Agr. Relaz. 9(1):299-312. 1952. 388 C765Re

12410 BERZAGHI, M. N. Rainfall and production (In Portuguese.) Rev. dos Mercados 3(24):20-22. Aug. 1952. 286.8 R328
Effects of rainfall upon plants.

12411 BISSET, K. A. Complete and reduced life cycles in Rhizobium. J. Gen. Microbiol. 7:233-242. Nov.1952. 448.3 J823

12412 BLACKITH, R. E., LUBATTI, O. F., and PAGE. A. B. P. Fumigation of agricultural products. III-IV. J. Sci. Food & Agr. 3:487-493. Oct.1952. 382 So12
III, The effects of high doses of methyl bromide vapour on seed potatoes and on their progeny, by R. E. Blackith, O. F. Lubatti, and A. B. P. Page; IV, Susceptibility of 'dressed' seed potatoes to injury by methyl bromide vapour, by R. E. Blackith, and O. F. Lubatti.

12413 BLAIR, D. S., and NELSON, S. H. Save those dollars. Macdonald Col. J. 12(12):7-9. Aug.1952. 101 M144
Control of preharvest drop in apples through the application of growth regulating substances.

12414 BLEASDALE, J. K. A. Gardening in towns. Gard. Chron. 132:194. Nov.15,1952. 80 G162
Effect of industrial fumes.

12415 BLOCH, R. Defense reactions of plants to the presence of toxins. (Abs.) Phytopathology 42:483. Sept.1952. 464.8 P56

12416 BOBROV, R. A. The effect of smog on the anatomy of oat leaves. Phytopathology 42:558-563. Ref. Oct.1952. 464.8 P56

12417 BOSCH, D. VAN DEN. A simple method of investigating roots. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:335-341. Sept.1952. 12 N383M

12418 BRIDGERS, B. T. Studies of factors inhibiting the rooting of Rhododendron cuttings. Amer. Rhododendron Soc. Q. B. 6:186-205. Oct.15,1952. 81 Am398

12419 BRIERLEY, W. G., LANDON, R. H., and STADTHERR, R. J. The effect of daily alterations between 27 and 39 degrees F on retention or loss of cold resistance in the Latham raspberry. Amer. Soc. Hort. Sci. Proc. 59:173-176. June 1952. 81 So12

12420 BRILLIANT, V. A., and KRUPNIKOVA, T. A. Effect of KCN [potassium cyanide] on gas exchange in aquatic plants during various methods of lighting. (In Russian.) Akad. Nauk SSSR. Dok. 85:1383-1386. Ref. Aug.21,1952. 511 P444A

12421 BULLOCK, R. M. A study of some inorganic compounds and growth promoting chemicals in relation to fruit cracking of Bing cherries at maturity. Amer. Soc. Hort. Sci. Proc. 59:243-253. Ref. June 1952. 81 So12

12422 BURRELL, A. B., BOYNTON, D., and CROWE, A. D. The boron content of McIntosh apple leaves and fruits in relation to symptoms and methods of application. (Abs.) Phytopathology 42:464. Sept.1952. 464.8 P56

12423 BURRELL, A. B. Cumulative effects of lime sulfur and Ferrox flotation sulfur on McIntosh apple trees. Abs.) Phytopathology 42:463-464. Sept.1952. 464.8 P56

12424 BUSTRAAN, M., GOEDHEER, J. C., and THOMAS, J. B. On the electron-scattering power of protein structures in the spinach chloroplast. Biochim. et Biophys. Acta 9:499-505. Nov.1952. 381 B522

12425 BUTTERS, K. D. Effect of different plant foods on blotchy ripening. Grower [London] 38:1032-1034. Nov.22,1952. 286.83 M34
Tomatoes.

12426 CAIN, J. C., and BOYNTON, D. Fertilization, pruning and a leaf mottle condition in relation to the behavior of Italian prunes in western New York. Amer. Soc. Hort. Sci. Proc. 59:53-60. June 1952. 81 So12

12427 CAPINPIN, J. M., and GUEVARA, V. F. The floral biology and fructification of peanut, Arachis hypogaea. Philippine Agr. 35:137-142. Aug.1951. 25 P542

12428 CARPENTER, K., and WALKER, R. D. The relative toxicities to plants of amine-salt and ester formulations of 2 : 4-dichlorophenoxyacetic acid. J. Sci. Food & Agr. 3:476-481. Oct.1952. 382 So12

12429 CASTILLO, P. S., JR. Weather and climate, their relation to the sugar cane. Sugar News [Manila] 28 (9):404-406. Sept.1952. 65.8 Su36

12430 CHAILAKHIAN, M. KH., and NEKRASOVA, T. V. Effect of day length and intensity of light on growth of citrus plants. (In Russian.) Akad. Nauk SSSR. Dok. 86:865-868. Ref. Oct.1,1952. 511 P444A

12431 CHAIMOVICH, M. L. Hormones in the rooting of cuttings of ornamental plants. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(3):29-37. Mar.1952. 9.2 M663

12432 CHANASYK, V. Theoretical studies in hardiness research. West. Canad. Soc. Hort. Rpt. Proc. 8: 37-40. 1952. 82 W522

12433 CHEPIKOVA, A. R. Utilization of reserve plastic substances during the winter period by perennial grasses. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(3):82-86. Ref. 1952. 511 M85

12434 CHOUARD, P. Les emplois agricoles et horticoles des substances de croissance ou "auxines de synthèse" autres que les emplois herbicides. Phytoma 5(40): 49-53. Aug./Sept.1952. 464.8 P563

12435 CIFERRI, R. Growth of rice and wheat seedlings under microaerobic culture condition. (In Italian.) Not. sulle Mal. delle Piante 19:79-84. Apr./June 1952. 464.8 N84
English summary.

12436 CIFERRI, R. Sensibility of winter and spring wheat to the "Weedone" and "Erbitox." (In Italian.) Not. sulle Mal. delle Piante 19:6-14. Apr./June 1952. 464.8 N84
English summary.

12437 CLARKE, A. E., POLLARD, L. H., and HAWTHORN, L. R. Effect of time of seeding on the winter survival and subsequent seed stalk development of onions. Amer. Soc. Hort. Sci. Proc. 59:439-444. June 1952. 81 So12

12438 COOK, J. A., and BOYNTON, D. Some factors affecting the absorption of urea by McIntosh apple leaves. Amer. Soc. Hort. Sci. Proc. 59:82-90. June 1952. 81 So12

12439 COOPER, C. C., and WATSON, D. P. Influence of daylength and temperature on the growth of greenhouse violets. Amer. Soc. Hort. Sci. Proc. 59:549-553. June 1952. 81 So12

12440 COOPER, J. P. Studies on growth and development in Lolium. III. J. Ecol. 40:352-379. Ref. Oct.1952. 450 J829

12441 COOPER, W. C., and GORTON, B. S. Toxicity and accumulation of chloride salts in citrus on various rootstocks. Amer. Soc. Hort. Sci. Proc. 59:143-146. June 1952. 81 So12

12442 COPE, J. R. Hydroponics gardening. Green Thumb [St. Petersburg] 2(9):4-6. Aug./Sept.1952. 80 G822

12443 CRAMER, M., and MYERS, J. Growth and photosynthetic characteristics of Euglena gracilis. Arch. f. Mikrobiol. 17:384-402. Ref. 1952. 442.8 Ar26

12444 CRANE, H. L., and MCKAY, J. W. Preliminary report on growth, flowering, and magnesium deficiency of Reed and Potomac filbert varieties. North. Nut Growers Assoc. Annu. Rpt. 42:50-55. 1951. 94.69 N81

12445 CRANE, J. C. and BROOKS, R. M. Growth of apricot fruits as influenced by 2,4,5—trichlorophenoxyacetic acid application. Amer. Soc. Hort. Sci. Proc. 59:218-224. Ref. June 1952. 81 So12

12446 CROSBY, E. A. and CRANE, J. C. The relationship of the carbohydrate cycle to the expression of parthenocarpy in Mission and Adriatic figs. Amer. Soc. Hort. Sci. Proc. 59:196-206. Ref. June 1952. 81 So12
Includes discussion.

12447 CURTIS, J. D. Effect of pregermination treatments on the viability of Ceanothus seed. Ecology 33:577-578. Oct.1952. 410 Ec7

12448 DAVIS, D., and DIMOND, A. E. Altering resistance to disease with synthetic organic chemicals. Phytopathology 42:563-567. Oct.1952. 464.8 P56
Tests with Fusarium oxysporum f. lycopersici.

12449 DAY, B. E., and SCHNEIDER, H. Stimulation of roots above overgrown lemon buds. Calif. Citrog. 38(2):46,58. Dec.1952. 80 C125
Tests with naphthaleneacetic acid.

12450 DELVER, P., and ROSSEBOOM, M. G. Graft chlorosis, a new problem in cucumber culture. (In Dutch.) Groenten en Fruit 8:167. Sept.11,1952. 80 G89

12451 DEMIDOVA, L. S. Effect of autumnal chilling on developmental rhythm of some herbaceous plants. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(3):77-81. Ref. 1952. 511 M85

12452 DETROUX, L. Utilisation et influence des herbicides sélectifs sur les cultures de lin à fibres. Rev. de l'Agr. 5:1063-1071. Oct.1952. 13 R322
English summary.

12453 D'ÎAKOVA, E. V., and KHLEBNIKOVA, N. A. Effect of topography on development and resistance of red clover under conditions of turfy-Podzolic soils. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(10):7-12. 1952. 20 Ak1

12454 DICKEY, J. B. R. Plant behavior. Pa. Farmer 147:314-315. Oct.25,1952. 6 P383
Effect of length of days on plant growth.

12455 DIMOND, A. E., and WAGGONER, P. E. Biochemistry of the lycomarasmin-iron chelated complex. (Abs.) Phytopathology 42:465. Sept.1952. 464.8 P56
In study of effect on tomato.

12456 DOBROVOL'SKÎĬ, I. A. Gas resistance of tree and shrub species. (In Russian.) Lesn. Khoz. 5(4):90-91. Apr.1952. 99.8 L5622
Effect of industrial fumes.

12457 DRECHSLER, C. Production of zoospores from germinating oospores of Pythium ultimum and Pythium debaryanum. Torrey Bot. Club. B. 79:431-450. Ref. Nov./Dec.1952. 451 T63B

12458 ELAGIN, I. N., and MIN, V. N. Root systems of oak on Dark Grey and Solonetz soils. (In Russian.) Lesn. Khoz. 5(4):13-15. Apr.1952. 99.8 L5622

12459 ENNIS, W. B., JR., WILLIAMSON, R. E., and DORSCHNER, K. P. Studies on spray retention by leaves of different plants. Weeds 1:274-286. Ref. Apr.1952. 79.8 W41

12460 FERRI, M. G., and LABOURIAU, L. G. Water balance of plants from the "caatinga." I. Transpiration of some of the most frequent species of the "caatinga" of Paulo Afonso (Bahia) in the rainy season. Rev. Bras. de Biol. 12:301-312. Oct.1952. 442.8 R326

12461 FISHER, E. G. The principles underlying foliage applications of urea for nitrogen fertilization of the McIntosh apple. Amer. Soc. Hort. Sci. Proc. 59:91-98 June 1952. 81 So12

12462 FURUTANI, Y., and KUKII, M. On the fruiting habits of soybeans. II. The effects of defoliation at the different stages at the pod and seed development. (In Japanese.) Kyushu Noji Shikinjo 8:51-52. Oct.1951. 107.6 K996

12463 FURUTANI, Y., and KUKII, M. On the fruiting habits of soybeans. IV. Effects of partial defoliation and solid planting on pod development. (In Japanese.) Kyushu Noji Shikenjo 9:47-48. Mar.1952. 107.6 K996

12464 GAMIL, M. Effect of variable vapor concentrations of ethereal oils upon transpiration and water absorption. Torrey Bot. Club. B. 79:459-470. Nov./Dec. 1952. 451 T63B
Eucalyptus and peppermint oils used in tests.

12465 GARCIA BAYLLERES, J. L. Influencia de las radiaciones en la caña de azúcar. Acad. Nac. de Cien. Mem. y Rev. 57:1-7. 1952. 516 M57

12466 GATTANI, M. L. Production of better penicillin-producing strains by mutation induced by uranium nitrate. Science 116:596-597. Nov.28,1952. 470 Sci2
Penicillium notatum chrysogenum.

12467 GENKEL', P. A., and MARGOLINA, K. P. Determining the capacity of plants to endure the loss of water. (In Russian.) Akad. Nauk SSSR. Dok. 86:849-852. Ref. Oct.1,1952. 511 P444A

12468 GERDEMANN, J. W. The effect of temperature on the results of seed treatment of small-seeded legumes. Plant Dis. Rptr. 36:419. Nov.15,1952. 1.9 P69P

12469 GERICKE, S. Wirkung radioaktiver stoffe auf das pflanzenwachstum. Landwirt. Forsch. Sonderh. 2: 72-76. Ref. 1952. 18 L2333A

12470 GILBERT, F. A. Copper in nutrition. Advn. Agron. 4:147-177. Ref. 1952. 30 Ad9

12471 GIORGETTI, G. Vertical flower beds. (In Italian.) Terra e Sole 122:335-336. Oct.1952. 16 T273
Soilless culture.

12472 GIOVANNAZZI, M. Research on the physiology and biochemistry of Nicotiana tabacum., var. Virginia Bright. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1291-1292. 1952. 388 C765Re

12473 GUNAR, I. I., and KRASTINA, E. E. In regard to the physiology and biochemistry of the phasic development of spring wheat. (In Russian.) Akad. Nauk SSSR. Dok. 86:185-188. Ref. Sept.1,1952. 511 P444A

12474 HAGEMAN, R. H., PAGÁN, C., and LOUSTALOT, A. J. The effect of elevation on growth, carbohydrates and insecticidal constituents of Derris and Lonchocarpus. (Abs.) Amer. Soc. Hort. Sci. Proc. 59:336. June 1952. 81 So12

12475 HANSEN, J. R., and BUCHHOLTZ, K. P. Inactivation of 2,4-D by riboflavin in light. Weeds 1: 237-242. Apr.1952. 79.8 W41
Tests with corn seedlings.

12476 HARRINGTON, J. F., and THOMPSON, R. C. Effect of variety and area of production on subsequent germination of lettuce seed at high temperatures. Amer. Soc. Hort. Sci. Proc. 59:445-450. June 1952. 81 So12

12477 HARTIGAN, R. T., and CARTWRIGHT, J. Mycorrhiza. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(4):10-11. Dec.1951,pub.1952. 99.9 N472T

12478 HASEGAWA, H., and WADA, S. Meaning of tap root tuberization in the sweet potato seed plant. (In Japanese.) Kyushu Noji Shikinjo 9:39-40. Mar.1952. 107.6 K996

12479 HENRICI, M. Comparative study of the content of starch and sugars of Tribulus terrestris, lucerne, some Gramineae and Pentzia incana under different meteorological, edaphic and physiological conditions. 2. Onderstepoort J. Vet. Res. 25(3):45-92. Ref. Mar.1952. 41.8 On1

12480 HOFFMAN, M. B., and EDGERTON, L. J. Comparisons of naphthaleneacetic acid, 2,4,5-trichlorophenoxypropionic acid and 2,4,5-trichlorophenoxyacetic acid for controlling the harvest drop of McIntosh apples. Amer. Soc. Hort. Sci. Proc. 59:225-230. June 1952. 81 So12

12481 HOFMAN, T., and LEES, H. The intermediary metabolism of Nitrosomonas. (Abs.) Biochem. J. 52:xx. Dec.1952. 382 B52

12482 HOFMANN, E. Über die wirkung der kali- und stickstoffdüngung auf fermentgehalt, qualität und haltbarkeit pflanzlicher erzeugnisse. Landwirt. Forsch. Sonderh. 2:68-72. 1952. 18 L2333A

12483 HOLLIS, J. P. An approach to the physiology of toxin formation in microorganisms. (Abs.) Phytopathology 42:483. Sept.1952. 464.8 P56

12484 HULL, H. M. Carbohydrate translocation in tomato and sugar beet with particular reference to temperature effect. Amer. J. Bot. 39:661-669. Ref. Nov. 1952. 450 Am36

12485 HYRE, R. A., and COX, R. S. Further studies in the physiology of Phytopthora phaseoli. (Abs.) Phytopathology 42:468. Sept.1952. 464.8 P56

12486 IVANOVA, N. E. Accelerated growth of oak. (In Russian.) Les i Step' 4(7):35-38. July 1952. 99.8 L565
Effects of light.

12487 JUILLET, A. Étude de la germination d'Urena lobata. Agron. Trop. [Nogent-sur-Marne] 7: 487-507. Ref. Sept./Oct.1952. 26 Ag86

12488 JURKOWSKA, H. The adaptation of Aspergillus niger to copper. (In Polish.) Acta Microbiol. Polon. 1:107-122. 1952. 448.3 Ac82
English summary.

12489 KABIERSCH, W. Missbildungen bei kartoffeln durch 2,4-D-mittel. Gesunde Pflanzen 4:265-268. Oct. 1952. 464.8 G33.

12490 KARLSSON, N. On the importance of molybdenum in agriculture. (In Danish.) Jydsk Landbr. 34:557-558. Aug.21,1952. 11 J99
In plant and animal nutrition.

12491 KÁSY, R. Untersuchungen über verschiedenheiten der gewebeschichten krautiger blütenpflanzen in beziehung zu entwicklungsgeschichtlichen befunden Hans Winklers an pfropfbastarden. Osterr. Akad. der Wiss., Math.-Natwiss. Kl. Sitzber. Abt. 1 160:509-572. Ref. 1951. 510 V67

12492 KELLY, W. C., SOMERS, G. F., and ELLIS, G. H. The effect of boron on the growth and carotene content of carrots. Amer. Soc. Hort. Sci. Proc. 59:352-360. June 1952. 81 So12

12493 KING, T. H., KROG, N. E., and SCHROEDER, H. W. The effect of copper on growth requirements of Coniothyrium fuckelii. (Abs.) Phytopathology 42:468. Sept.1952. 464.8 P56

12494 KLOEN, D. Vernalization of beet seeds. (In Dutch.) Zaadbelangen 6:177-178. Aug.15,1952. 61.8 Z1

12495 KOBUS, J. Some morphological and physiological properties of Rhizobium. (In Polish.) Acta Microbiol. Polon. 1:137-150. Ref. 1952. 448.3 Ac82
English summary.

12496 KUCHERIAVYKH, E. G., and KOSTIUK, M. D. Investigation of root systems and transpiration of tree species. (In Russian.) Lesn. Khoz. 5(5):29-35. May 1952. 99.8 L5622

12497 KUKLIŇA-KHRUSHCHEVA, E. P. Importance of mycorhiza in formation of the wheat crop. (In Russian.) Sovet. Agron. 10(10):47-54. Ref. Oct.1952. 20 So84

12498 KVASNIKOV, B. V. Grafting of biennial plants on annuals and annual plants on biennials. (In Russian.) Agrobiologiîa 4:135-138. July/Aug.1952. 20 Ag822
Experiments with cabbage, kohlrabi, and radish.

12499 LAL, K. N., and TYAGI, R. S. Studies in crop physiology. Effect of nitrogen, phosphorus and potassium on growth and pigment content of tobacco. Indian Bot. Soc. J. 31:69-81. Ref. 1952. 450 J821

12500 LEMOS-PEREIRA, A. DE. On the caryoclastic action of amygdaline soap on the meristem of the root of Allium cepa L. (In Portuguese.) Soc. Portug. de Ciên. Nat. B. (ser.2)3:172-175. 1951. 506 So1

12501 LEONARD, O. A., and HARRIS, V. C. The effect of aliphatic hydrocarbons on the hypocotyls of cotton and soybeans and on the shoots of nut grass [Cyperus rotundus], Johnson grass and other weeds by the directional spray technique. Weeds 1:256-273. Ref. Apr.1952. 79.8 W41

12502 LEOPOLD, A. C., and GUERNSEY, F. S. A role for malic acid in tomato fruit-set. Arch. Biochem. & Biophys. 41:64-73. Ref. Nov.1952. 381 Ar2

12503 LOMA, J. L. DE LA. Métodos indirectos para la determinación del uso consuntivo de agua por las plantas cultivadas. Mexico. Dir. Gen. de Dist. de Riego. Dept. de Planeación, Invest. y Estadís. Memo. Têc. 66, 31 p. June 1,1952. 292.9 M572

12504 LU, C. S. and ROBERTS, R. H. Effect of temperature upon the setting of Delicious apples. Amer. Soc. Hort. Sci. Proc. 59:177-183. June 1952. 81 So12

12505 LUHAN, M. Zur wurzelanatomie unserer alpenpflanzen. I. Primulaceae. Osterr. Akad. der Wiss. Math.-Natwiss. Kl. Sitzber. Abt. 1 160:481-507. Ref. 1951. 510 V67

12506 LUNDSTEN, T. Determination of deficiency diseases in orchards. (In Danish.) Erhvervsfrugtavleren 18:329-331. Sept.1,1952. 80 Er3

12507 LUQUE, J. A. El mal "cuaje" en la vid. Chacra 23(264):36-37. Nov.1952. 9 C34

12508 MACHACEK, J. E., and WALLACE, H. A. H. Germination of treated and untreated seed of wheat, oats and barley of different commercial grades. Sci. Agr. 32: 597-602. Nov.1952. 7 Sci2

12509 MCMURTREY, J. E., JR. Deficiencies of secondary and micro-nutrient elements in plants. Better Crops Plant Food 36(9):19-26,42-48. Ref. Nov.1952. 6 B46

12510 MAKINO, M. On the control of the fall down of rush. (In Japanese.) Kyushu Noji Shikenjo 9:53-54. Mar.1952. 107.6 K996

12511 MARINI, E. Rice sensibility to 2,4-D as related to the age of the plants. (In Italian.) Not. sulle Mal. delle Piante 19:47-50. Apr./June 1952. 464.8 N84
English summary.

12512 MATSUO, H., MATSUSITA, K., and IDA, K. Effects of potassium on sweet potatoes. III. Relations between starch contents. (In Japanese.) Kyushu Noji Shikenjo 9:65-66. Mar.1952. 107.6 K996

12513 MATSUO, T. Studies on the fruit setting of Japanese pear. (In Japanese.) Kyushu Noji Shikenjo 9: 66-68. Mar.1952. 107.6 K996

12514 MIKHOVICH, A. I. Study of oak mycorhiza under conditions of forest-steppe of left-shore Ukraine. (In Russian.) Lesn. Khoz. 5(2):35-40. Feb.1952. 99.8 L5622

12515 MININA, E. G., and POLOZOVA, L. IA. Conditions for female sexualization of oak buds. (In Russian.) Akad. Nauk SSSR. Dok. 86:189-192. Ref. Sept.1,1952. 511 P444A

12516 MITCHELL, W. The nature and uses of chlorophyll. Perfumery & Essential Oil Rec. 43:408-419, 439. Ref. Nov.1952. 308.8 P41

12517 MONZEN, H. The experiments on the absorptions of some pigments and chemicals in crops. (In Japanese.) (Abs.) Oyo-Kontyu 7:72-73. Aug.1951. 421 Oy6

12518 MOON, H. H., HARLEY, C. P., and REGEIMBAL, L. O. Early-season symptoms of magnesium deficiency in apple. Amer. Soc. Hort. Sci. Proc. 59:61-64. June 1952. 81 So12
At Beltsville, Md.

12519 MORSCHEL, J R. Withertop of linseed. Austral. Plant Dis. Recorder 4:5-6. Jan.1952. 464.8 Au7

12520 MÜLLER, D. Movements of nutrients in plants. (In Danish.) Gart.-Tid. 68:431-432. Nov.3,1952. 80 G192

12521 MURNEEK, A. E. Plant growth-regulators during fertilization and post-fertilization periods. Amer. Soc. Hart. Sci. Proc. 59:207-217. Ref. June 1952. 81 So12

12522 NAKASHIMA, H., and OTSU, S. Effects of the application of calcium upon the maturity of sugar cane. (In Japanese.) Kyushu Noji Shikinjo 8:74-75. Oct.1951. 107.6 K996

12523 NAVASHIN, M. S., GERASIMOVA-NAVASHINA, E. N., and IAKOVLEV, M. S. On the role of non-cellular living substance in the reproduction process of plants. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 5:8-32. Ref. Sept./Oct.1952. 511 S22B
O. B. Lepeshinskaia's theory.

12524 NAYLOR, A. W. Physiology of reproduction in plants. Survey Biol. Prog. 2:259-300. Ref. 1952. 442.8 Su7

12525 NEILL, J. C. Note on agronomic effect of the endophyte of Lolium perenne. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:230. Aug.1952. 514 N48A

12526 NETIEN, G., and others. Action comparée de la streptomycine et de la dihydrostreptomycine sur la croissance de tissus de carotte cultivés in vitro et sur un bacille de Koch streptomycino-dépendant. Inst. Pasteur. Ann. 83:400-401. Sept.1952. 448.3 An75
J. Viallier, M. Carraz, and J. C. Kalb, joint authors.

12527 NEZGOVOROVA, L. A. Absorption of carbon dioxide by leaves in darkness. (In Russian.) Akad. Nauk SSSR. Dok. 86:853-856. Ref. Oct.1,1952. 511 P444A

12528 NEZGOVOROVA, L. A. On the potential role of proteins in the process of photosyntheses. (In Russian.) Akad. Nauk SSSR. Dok. 85:1387-1390. Ref. Aug. 21,1952. 511 P444A

12529 NICKELL, L. G. The control of plant growth by the use of special chemicals, with particular emphasis on plant hormones. Survey Biol. Prog. 2:141-195. Ref. 1952. 442.8 Su7

12530 NICKERSON, W. J., and CHUNG, C. W. Reversal of fluoride inhibition of yeast growth with glucose-1-phosphate. Amer. J. Bot. 39:669-679. Ref. Nov.1952. 450 Am36
Sodium fluoride.

12531 NOWOTNY-MIECZYNSKA, J. Some factors influencing the pigmentation of nodules of leguminous plants. (In Polish.) Acta Microbiol. Polon. 1:42-51. Ref. 1952. 448.3 Ac82
English summary.

12532 ØDELIEN, M., and SORTEBERG, A. Molybdenum deficiency in lettuce in pot experiments. (In Norwegian.) Forsk. og Førsok i Landbr. 3:69-74. Ref. 1952. 11 F772
English summary.

12533 OKSBJERG, E. Salt precipitation, a climatic factor. (In Danish.) Dansk Skovfor. Tidsskr. 37:375-389. Aug.1952. 99.8 D23
Effects on growth of Norway spruce.

12534 OLSSON, G. A study of the degree of vicinism in white mustard (Sinapis alba L) and rape (Brassica napus L.var oleifera Metzger). (In Swedish.) Sveriges Utsädesför. Tidskr. 62:311-322. Ref. 1952. 61.9 Sv23
English summary.

12535 OPARIN, A. I., and GEL'MAN, N. S. In regard to the connection of respiration with synthetic processes in higher plants. (In Russian.) Akad. Nauk SSSR. Dok. 85:1357-1360. Ref. Aug.21,1952. 511 P444A

12536 OWEN, O. Horticulture. Soc. Chem. Indus. Rpt. Prog. Appl. Chem. 36:663-668. Ref. 1951. 382 M31R
Growth regulation.

12537 PALM, E. T. Effects of certain mercurial fungicides on Gladiolus plants. (Abs.) Phytopathology 42:518. Sept.1952. 464.8 P56

12538 PAUL, D. L., OSTLE, B., and Tischer, R. G. The relation of sulfur content of sweet corn to its stage of maturity. Amer. Soc. Hort. Sci. Proc. 59:393-399. June 1952. 81 So12

12539 PETERSEN, J. "Blind" tulips produced through heat. (In Danish.) Gart.-Tid. 68:323-324. Sept. 8,1952. 80 G192

12540 REINERT, J. Der einfluss von 3,4-benzpyren auf das flächenwachstum und den auxinspiegel der prothallien von Stenochlaena palustris. Z. f. Bot. 40:187-192. Ref. 1952. 450 Z32

12541 RESENDE, F. Contribution to the physiology of development of the inflorescence and of the single flower (Bryophyllum and Kalanchoë). Portugaliae Acta Biol. Sér A 1949/51:729-784. Ref. 442.8 P83

12542 RESENDE, F. Modifying agents in cellular metabolism. I. Action of neutrons, trypaflavin, and vegetable extracts on mitosis of vegetative root tips. (In Portuguese.) Soc. Portug. de Ciên. Nat. B. (ser.2) 3:181-211. Ref. 1951. 506 So1
English summary.

12543 RESENDE, F. Morphogenetic action of cold and photoperiodism on the vegetative habit of Bryophyllum daigremontianum. (In Portuguese.) Soc. Portug. de Ciên. Nat. B. (ser.2)3:256-264. Ref. 1951. 506 So1
German summary.

12544 REUTHER, W. and SMITH, P. F. Relation of nitrogen, potassium, and magnesium fertilization to some fruit qualities of Valencia orange. Amer. Soc. Hort. Sci. Proc. 59:1-12. June 1952. 81 So12

12545 REZENDE-PINTO, M. C. DE., and LEMOS-PEREIRA, A. DE. Action of astacin on mitosis of the meristem of the root of Allium cepa L. (In Portuguese.) Soc. Portug. de Ciên. Nat. B. (ser.2)3:176-178. 1951. 506 So1
English summary.

12546 REZENDE-PINTO, M. C. DE., LEMOS-PEREIRA, A. DE., and AMARAL-GERARDA, M. C. Contribution to a study of the action on the cells of the antibiotics penicillin and streptomycin injected into the bulbs of Allium cepa L. (In Portuguese.) Soc. Protug. de Ciên. Nat. B. (ser.2)3:251-255. 1951. 506 So1

12547 RIBERÉAU-GAYON, J., and PEYNAUD, E. Action inhibitrice sur les levures de la vitamine K^5 et de quelques antibiotiques. Acad. d'Agr. de France. Compt. Rend. 39:479-481. June 25/July 9,1952. 14 P215Bc

12548 RIEMENS, J. M., and GROENEWEGEN, J. H. Greening of tomatoes. (In Dutch.) Groenten en Fruit 7: 251. Oct.11,1951. 80 G89

12549 ROBBINS, W. J., HERVEY, A., and STEBBINS, M. E. Specificity of vitamin B12 for Euglena. Nature [London] 170:845-846. Ref. Nov.15,1952. 470 N21

12550 ROBERT, E. L'arrosage et la physiologie végétale. Cour. Hort. 14:500-501. Sept.1952. 80 C834

12551 RODNEY, D. R. The entrance of nitrogen compounds through the epidermis of apple leaves. Amer. Soc. Hort. Sci. Proc. 59:99-102. June 1952. 81 So12

12552 ROSSITER, R. C. Phosphorus toxicity in subterranean clover and oats grown on Muchea sand, and the modifying effects of lime and nitrate-nitrogen. Austral. J. Agr. Res. 3:227-243. Ref. July 1952. 23 Au783

12553 ROSSITER, R. C. Studies on the nutrition of pasture plants in the south-west of Western Australia. IV. The growth of subterranean clover (Trifolium subterraneum L.) as affected by lime, molybdenum, and potassium. Austral. J. Agr. Res. 3:244-258. Ref. July 1952. 23 Au783

12554 RUBIN, B. A., SOKOLOVA, V. E., and ARTSIKHOVSKAIA, E. V. On the adaptation to temperature of the respiration of apples [during their development]. (In Russian.) Akad. Nauk SSSR. Dok. 86:787-788. Oct.1, 1952. 511 P444A

12555 SAMTSEVICH, S. A. Effect of soil and climatic conditions on growth of roots in trees (apple). (In Russian.) Akad. Nauk Ukrain. RSR. Inst. Lisivnytstva. Pratsi 2:43-55. Ref. 1951. 99.9 K54
Russian summary.

12556 SCARASCIA, G. T. The toxicity of benzene hexachloride to plants; effects of the gamma isomer on Nicotiana tabacum and Nicotiana rustica. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):199-206. 1952. 388 C765Re

12557 SCHMEDEN, R. Erfahrungen mit korbweiden im brakwasserbereich der Weser. Praxis u. Forsch. 4: 97-98. Aug.20,1952. 18 P89

12558 SCHMITTHENNER, A. F. Hydrolysis of pectin and cellulose by isolates of Colletotrichum phomoides, C. lagenarium, and Glomerella cingulata. (Abs.) Phytopathology 42:474. Sept.1952. 464.8 P56

12559 SCHNELLE, F. Klima und witterung in ihrer auswirkung auf die qualität pflanzlicher erzeugnisse. Landwirt. Forsch. Sonderh. 2:51-60. Ref. 1952. 18 L2333A

12560 SERGEEV, V. Z. Effect of low temperatures on increasing the vitality of spring barley. (In Russian.) Agrobiologiia 5:106-108. Sept./Oct.1952. 20 Ag822

12561 SHAW, D. E. Hormone weedicide on wheat. Austral. Plant Dis. Recorder 4:1-2. Jan.1952. 464.8 Au7

12562 SHCHERBAKOV, A. P., and LAZAREVA, A. A. On the periodicity of growth and dry matter accumulation in two-year old seedlings of tree species. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(1):76-83. Ref. 1952. 511 M85

12563 SHEAR, G. M., and HORSFALL, F., JR. Leaf nitrogen and color responses to nitrogen fertilization. Amer. Soc. Hort. Sci. Proc. 59:65-68. June 1952. 81 So12
York and Stayman apples in Virginia.

12564 SIEGELMAN, H. W. The respiration of rose and gardenia flowers. Amer. Soc. Hort. Sci. Proc. 59:496-500. June 1952. 81 So12

12565 SIMONOV, I. N., and MIRONOV, E. V. Tagged atom method in the study of characteristics of phosphoric nutrition of forest plants. (In Russian.) Les i Step' 4(1):25-28. Jan.1952. 99.8 L565

12566 SIMONS, H. M., JR., and SCOTT, L. E. Attempts to inhibit sprouting of the sweet potato with growth regulating chemicals. Amer. Soc. Hort. Sci. Proc. 59:426-432. Ref. June 1952. 81 So12
Use of preharvest foliar sprays and dip root treatment.

12567 SKVORTSOV, S. S. Effect of manganese on photosynthesis of aquatic plants. (In Russian.) Akad. Nauk SSSR. Dok. 85:1391-1393. Ref. Aug.21,1952. 511 P444A

12568 SMITH, P. F., REUTHER, W., and SPECHT, A. W. Seasonal changes in Valencia orange trees. II. Changes in micro-elements, sodium, and carbohydrates in leaves. Amer. Soc. Hort. Sci. Proc. 59:31-35. June 1952. 81 So12

12569 SMITH, W. P. C. Hormone weedicide injury to grape vines. Austral. Plant Dis. Recorder 4:21. Apr. 1952. 464.8 Au7

12570 SOUTHWICK, F. W. New hormone. Res. Rev. [Mass. Sta.] 1:8-9. Jan.1952. 100 M38R
2,4,5-Trichlorophenoxypropionic acid for preharvest drop of apples.

12571 SPARROW, A. H., and RUBIN, B. A. Effects of radiations on biological systems. Survey Biol. Prog. 2:1-52. Ref. 1952. 442.8 Su7
Includes plants.

12572 STANIFORTH, D. W., and ATKINS, R. E. Effect of 2,4-D on yield and bushel weight of oats. Agron. J. 44:587-589. Ref. Nov.1952. 4 Am34P

12573 STANTON, W. R. Bolting in potatoes. Gt. Brit. Min. Agr. Agriculture 59:333-335. Oct.1952. 10 G79J
Influence of length of day in producing bolters.

12574 STAPEL, C. Do our crops suffer from an increasing boron deficiency? (In Norwegian.) Dansk Landbr. 71:582-584. Nov.27,1952. 280.28 V91

12575 STENUIT, D. and PIOT, R. The early reddening of the leaves in grapevines. (In Dutch.) In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.119-122. Hoeilaart,Gemeentehuis,1951. 95.09 In82
French summary.

12576 STENUIT, D., and PIOT, R. Yellow chlorosis in grapevines. (In Dutch.) In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.115-118. Hoeilaart,Gemeentehuis,1951. 95.09 In82
French summary.

12577 STEWART, I., and LEONARD, C. D. Chelates as sources of iron for plants growing in the field. Science 116:564-566. Ref. Nov.21,1952. 470 Sci2

12578 STEWART, W. S., RIEHL, L. A., and ERICKSON, L. C. Effects on citrus of 2,4-D used as an amendment to oil sprays. J. Econ. Ent. 45:658-668. Ref. Aug. 1952. 421 J822

12579 STREIFF-BECKER, R. Geheimnisvolle kräfte. Leben u. Umwelt 8:285-288. Sept.1952. 410 L49
Plant physiology.

12580 STRUCKMEYER, B. E., and BECK, G. E. The effect of maleic hydrazide on the growth and flowering of Croft Easter lilies. Amer. Soc. Hort. Sci. Proc. 59:542-548. June 1952. 81 So12

12581 STRZEMSKA, J. The mycorrhiza of corn plants. II. Rye. (In Polish.) Acta Microbiol. Polon. 1:24-35. 1952. 448.3 Ac82
English summary.

12582 TABADZE, P. G. Dynamics of pigment accumulation in grapevine leaves by phases of annual development. (In Russian.) Akad. Nauk SSSR. Dok. 85:1395-1398 Ref. Aug.21,1952. 511 P444A

12583 TAKIJIMA, Y., and HAYASHI, T. The nutrient absorption of soybean plants as influenced by 2,4-D spray. (In Japanese.) J. Sci. Soil & Manure, Japan 22:319-322. Ref. June 1952. 56.8 J27
English summary.

12584 TOLBERT, N. E., and PEARSON, P. B. Atomic energy and the plant sciences. Advn. Agron. 4:279-303. Ref. 1952. 30 Ad9

12585 TUMANOV, I. I. Physiology of the cold resistance of citrus plants. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 5:56-84. Ref. Sept./Oct.1952. 511 S22B

12586 TURETSKAIA, R. KH. Anatomo-physiological changes in cuttings of some [ornamental] subtropical plants during the process of rooting. (In Russian.) Akad. Nauk SSSR. Dok. 86:861-864. Oct.1,1952. 511 P444A
Effect of growth substances.

12587 U. S. ATOMIC ENERGY COMMISSION. Some applications of atomic energy in plant science. Washington,1952. 211 p. 173 At7Sa

12588 UOTA, M. Temperature studies on the development of anthocyanin in McIntosh apples. Amer. Soc. Hort. Sci. Proc. 59:231-237. Ref. June 1952. 81 So12

12589 URHAN, O. Contribución al estudio de la crespera. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 3(31):17-24. July 1952. 68.29 C332
Coffee disease in Colombia.

12590 URI, N. Chlorophyll photosensitized polymerization and free radical intermediates in photosynthesis. Amer. Chem. Soc. J. 74:5808-5809. Nov.20, 1952. 381 Am33J

12591 USHIROZAWA, K., and SHIBUKAWA, J. Studies on the germination and the fertilization of long preserved apple pollen. (In Japanese.) Aomori Apple Expt. Sta. [B.] 19,110 p. Jan.1952. 93.31 Ao53
English summary.

12592 VASHKULAT, P. N. In regard to the biology of European red elder [Sambucus racemosa] seeds. (In Russian.) Agrobiologiia 5:123-125. Sept./Oct.1952. 20 Ag822

12593 VERONA, O. Microelements in plant nutrition. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):337-356. 1952. 388 C765Re
English summary.

12594 VOITEKHOVA, V. A. On causes for the dying off of dicotyledonous plants under the influence of some herbicides. (In Russian.) Agrobiologiia 5:126-131. Sept./Oct.1952. 20 Ag822
Effect of 2,4-D on sunflower and wheat.

12595 VOLKOV, I. A. Root system of spring wheat under conditions of an extremely damp spring and dry summer in 1951 in Kursk Region. (In Russian.) Akad. Nauk SSSR. Dok. 86:845-848. Ref. Oct.1,1952. 511 P444A

12596 VRIJHOF, B. Once more: artificial coloring of apples. (In Dutch.) Fruitteelt 42:641. Aug.28,1952. 86 N28
Effects of spraying on apples.

12597 WATSON, D. J. The physiological basis of variation in yield. Advn. Agron. 4:101-145. Ref. 1952. 30 Ad9

12598 WHEELER, H. E. Detection of microbial toxins by the use of radioisotopes. (Abs.) Phytopathology 42:483. Sept.1952. 464.8 P56

12599 WHITE, D. G. and RICE, M. L. Promotion of red color of apples. 1. Apparent synergism with preharvest sprays of certain chemicals in paired combinations. Amer. Soc. Hort. Proc. 59:238-242. June 1952. 81 So12

12600 WILNER, J. The effects of seasonal and cultural variations on maturity of woody plants commonly grown on the Canadian prairies. Sci. Agr. 32:568-573. Nov.1952. 7 Sci2

12601 WILNER, J. The importance of maturity in cold-resistance of certain woody plants grown under various climatic conditions on the prairies. West. Canad. Soc. Hort. Rpt. Proc. 8:40-47. 1952. 82 W522

12602 WILSON, E. E. Development of bud failure in the Jordanolo variety of almond. (Abs.) Phytopathology 42:520. Sept.1952. 464.8 P56

12603 WILSON, E. E. Preliminary study on the relation between carbohydrate-nitrogen supply and disease production by Hendersonula toruloidea. (Abs.) Phytopathology 42:478. Sept.1952. 464.8 P56

12604 WINTERS, H. F. and LOUSTALOT, A. J. The effect of light and nitrogen levels on growth and alkaloid content of young Cinchona ledgeriana. (Abs.) Amer. Soc. Hort. Sci. Proc. 59:335. June 1952. 81 So12

12605 WOOD, F. C. Stroma: its causes and its cures. Grower [London] 38:453-455. (Cont.) Sept.6, 1952. 286.83 M34

12606 YAMAMOTO, T. Studies on the sterility in barley. III. The effect of sowing date on the occurrence of sterility. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:6-15. Mar.1952. 107.6 H68
English summary.

12607 YOSHIMURA, S., and KINOSHITA, S. On the boric acid injury to wheat and naked barley. (In Japanese, Kyushu Noji Shikenjo 9:45-46. Mar.1952. 107.6 K996

12608 ZAPRIAGAEVA, V. I. Root systems of some wild growing fruits of Tajikistan. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(3):32-48. Ref. 1952. 511 M85

BIOCHEMISTRY

12609 ANSTEE, J. R., and others. The chemistry of Western Australian plants. VI. The occurrence of betulic, oleanolic, and ursolic acids. Chem. Soc. J., Oct.1952: 4065-4067. Oct.1952. 382 L84J
H. R. Arthur, A. L. Beckwith, D. K. Dougall, P. R. Jefferies, M. Michael, J. C. Watkins, and D. E. White, joint authors.

12610 ARNON, D. I. Glyceraldehyde phosphate dehydrogenase of green plants. Science 116:635-637. Ref. Dec.5,1952. 470 Sci2

12611 BELL, D. J., and PALMER, A. Structural studies on inulin from Inula helenium and on levans from Dactylis glomerata and Lolium italicum. Chem. Soc. J., Oct.1952:3763-3770. Oct.1952. 382 L84J

12612 BENTLEY, L. E. Occurrence of malonic acid in plants. Nature [London] 170:847-848. Nov.15,1952. 470 N21
Species of Leguminosae examined.

12613 BERTRAND, D. Sur la répartition du lithium chez les phanérogames. Cong. Internaz. Indus. Agr. Relaz. 9(1):313-316. 1952. 388 C765Re
English summary.

12614 BROWN, R., and others. The Orobanche germination factor. 3. Concentration of the factor by counter-current distribution. Biochem. J. 52:571-574. Ref. Dec.1952. 382 B52
A. D. Greenwood, A. W. Johnson, A. R. Lansdown, A. G. Long, and N. Sunderland, joint authors.

12615 COMBES, R. Les couleurs des fleurs et des fruits. Anthocyanes et flavones. Acad. d'Agr. de France. Compt. Rend. 39:440-441. June 25/July 9,1952. 14 P215Bc

12616 DAMLE, V. P. Enzymic study of certian parasitic fungi. Indian Bot. Soc. J. 31:13-55. Ref. 1952. 450 J821

12617 DUVICK, D. N. Free amino acids in the developing endosperm of maize. Amer. J. Bot. 39:656-661. Ref. Nov.1952. 450 Am36

12618 DWORSCHACK, R. G., KOEPSELL, H. J., and LAGODA, A. A. Proteolytic enzymes of microorganisms; evaluation of proteinases produced by molds of the Aspergillus flavus-oryzae group in submerged culture. Arch. Biochem. & Biophys. 41:48-60. Nov.1952. 381 Ar2

12619 FRANKE, W., and SCHULZ, I. Über oxydationsfermente aus höheren pflanzen. I. Zur kenntnis der glycolico-dehydrase. Justus Liebig's Ann. der Chem. 578:147-154. 1952. 384 An7

12620 FREUDENBERG, K. Die entstehung des lignins in der pflanze. Holz als Roh- u. Werkst. 10:339-341. Sept.1952. 99.81 H74

12621 GORTNER, W. A., and KENT, M. Indoleacetic-acid oxidase and an inhibitor in pineapple tissue. (Abs.) Hawaii. Acad. Sci. Proc. 27:7. 1952. 500 H31A

12622 GROVE, J. F. Alternaric acid. I. Purification and characterisation. Chem. Soc. J., Oct.1952:4056-4059. Oct.1952. 382 L84J
Produced by Alternaria solani.

12623 GUSEVA, A. Quantitative determination of aucubin in Eucommia. (In Russian.) Akad. Nauk SSSR. Dok. 85:1353-1356. Ref. Aug.21,1952. 511 P444A

12624 HOFMAN, T., and LEES, H. The respiration of Nitrosomonas. (Abs.) Biochem. J. 52:xix. Dec.1952. 382 B52

12625 HOFSTRA, R., and KEULS, M. Onderzoek naar de opbrengst aan nicotine van Nicotiana rustica (L.) over de jaren 1949-1950 [An investigation on the nicotine yield of Nicotiana rustica (L.) in the years 1949-1950]. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 36,44 p. July 1952. 86 W12

12626 KAUFMANN, W. Untersuchungen über den energiehaushalt der hefezelle und die ökonomie einiger energiestoffwechseltypen anderer mikroorganismen. Arch. f. Mikrobiol. 17:319-352. Ref. 1952. 442.8 Ar26

12627 KUHN, R., PFLEIDERER, G., and SCHULZ, W. Uber die reduktion von TTC [Triphenyltetrazoliumchloride] durch maissamen. Justus Liebig's Ann. der Chem. 578:159-170. 1952. 384 An7

12628 LEONTI, F. Action of vitamin E on vegetables. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:186-190. 1951. 41.9 So17
English summary.

12629 LUTWICK, L. E., COLDWELL, B. B., DELONG, W. A. Leachates from decomposing leaves. I. Sci. Agr. 32:603-613. Nov.1952. 7 Sci2

12630 MCCARTHY, C. D., LESLEY, J. W., and FROST, H. B. Bitterness (benzaldehyde content) of kernels of almond-peach F_1 hybrids and their parents. Amer. Soc. Hort. Sci. Proc. 59:254-258. June 1952. 81 So12

12631 MAGNITSKII, K. P., and MALKOV, V. K. Fast method of determining phosphorus in plants. (In Russian.) Sovet. Agron. 10(10):76-79. Oct.1952. 20 So84

12632 MASON, A. C. A sensitive method for the determination of magnesium using Titan Yellow. East Malling Res. Sta. Annu. Rpt. 39:126-127. 1951,pub.1952. 103 Ea7
In plants.

12633 MASSART, L. Le comportement des cellules de levure en présence de cations. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(1):895-896. 1952. 388 C765Re
English summary.

12634 MOEWUS, F. Zur biochemischen genetik des rutins. Portugaliae Acta Biol. Sér. A 1949/51:161-199. Ref. 442.8 P83

12635 NOGGLE, G. R., and ZILL, L. P. The quantitative analysis of sugars in plant extracts by ion-exchange chromatography. Arch. Biochem. & Biophys. 41:21-28. Ref. Nov.1952. 381 Ar2

12636 OZAKI, K., and MORIYAMA, M. Studies on the amino acids and amides metabolism of rice plant. 1. (In Japanese.) J. Sci. Soil & Manure, Japan 22:323-327. June 1952. 56.8 J27
English summary.

12637 PORTOLES ALONSO, A., and DEAN GUELBENZU, M. Contribución al estudio mineral y distribución de los oligoelementos en algunas especies de "Dictamnus" Euclides 12:365-372. Ref. Sept.1952. 475 Eu2

12638 PURI, G. S. The amount of foliar ash in sal (Shorea robusta Gaertn.) trees of different quality classes in India. Indian Bot. Soc. J. 31:82-86. Ref. 1952. 450 J821

12639 REID, E. B., PRITCHETT, E. G., and CUSHING, J. E. Compounds produced by Neurospora crassa in the presence of toxic concentrations of p-aminobenzoic acid. J. Biol. Chem. 199:443-450. Ref. Nov.1952. 381 J824

12640 SCHUPHAN, W. Die pflanzenzelle als ausgangspunkt biochemischer qualitätsforschung, dargestellt an jüngsten erkenntnissen mit radioaktiven isotopen. Landwirt. Forsch. Sonderh. 2:28-39. Ref. 1952. 18 L2333A

12641 SOSA, A., and SOSA-BOURDOUIL, C. Étude de quelques constituants chimiques du pollen de Corylus avellana L. Acad. des Sci. Compt. Rend. 235:971-973. Oct.27,1952. 505 P21

12642 STEPANENKO, B. N., and AFANAS'EVA, E. M. Study of starch fractions of potato tubers during their ripening. (In Russian.) Akad. Nauk SSSR. Dok. 86:613-616. Ref. Sept.21,1952. 511 P444A

12643 STOLK, A. Growth-inhibiting substances in the roots of Fuchsia hybrida and of Pelargonium zonale. Beaufortia 17,16 p. May 26,1952. 410 B38

12644 THOMAS, J. B., BLAAUW, O. H., and DUYSENS, L. N. M. On the relation between size and photochemical activity of fragments of spinach grana. Biochim. et Biophys. Acta 9:575. Nov.1952. 381 B522

12645 ULBRICHT, H. Grundriss der pflanzlichen rohstoffkunde. Leipzig,Hirzel,1952. 147 p. 452.8 UL1

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

12646 BRYAN, C. Take a hint from the Indians: our native Americans had some practical crop and soil practices well worth following today. Org. Gard. 20(12): 16-17. Dec.1952. 56.8 Or3

12647 CABARRUS C., H. Recordando al agricultor: cuando las cosechas se aproximan. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.3)1(5/7):46-47. July/Dec. 1950,pub.July 10,1952. 8 G934
Seed harvesting.

12648 CAMARÃO, M. C. Some basic concepts in agronomy. III. (In Portuguese.) Bras. Açucareiro 39: 580-581. June 1952. 65.8 B73

12649 ČESALIN, J. A. Joint methods of agricultural technique in correct crop rotation; principles for controlling weeds. (In Czech.) Za Socialist. Zeměděl. 2: 152-156. Feb.1952. 19.5 Z1
Czechoslovakia.

12650 CONSTANDSE, A. J. The seed supply in Denmark and what is connected with it. (In Dutch.) Zaadbelangen 6:196-199. (Concl.) Sept.15,1952. 61.8 Z1
Culture and marketing regulations.

12651 CROCKETT, S. P. North Mississippi Station conducting experiments on crops, pastures, orchards. Miss. Farm Res. [Miss. Sta.] 15(9):5. Sept.1952. 100 M69Mi

12652 DRAKE, H. Report on the local field experiments in the year 1951. (In Swedish.) Jönköpings Läns Hushsällsk. Handl. och Tidskr. 2:57-68. 1951,pub.1952. 11 J732

12653 FARINAS, E. C. Plant introductions: with special reference to seeds received by the Bureau of Animal Industry from foreign countries. I. Philippine J. Anim. Indus. 11:95-105. Second/Fourth Q.1950,pub.1952. 49.9 P53P

12654 FREDENSLUND, E. 1952 seed crop prospects. (In Danish.) Tidsskr. f. Frøavl 21:27-30. (Cont.) Sept. 10,1952. 61.8 T43

12655 GERASHCHENKO, S. K. In regard to training agronomical cadres. (In Russian.) Sovet. Agron. 10(9): 76-78. Sept.1952. 20 So84

12656 GILEAD, H. A survey in the fields. (In Hebrew.) Hassadeh 32:512-513. Aug./Sept.1952. 26 H27

12657 GOERSCH, H. Zur anbauplanung einer produktionsgenossenschaft. Deut. Landwirt. 3:562-566. Nov.1952. 18 D4822
Crop rotation in the Russian Zone of Germany.

12658 HUGHES, G. P. The comparative seasonal output of ultra-simple and general-purpose seeds mixtures. J. Agr. Sci. 42:413-421. Oct.1952. 10 J822
Great Britain.

12659 HUTCHCROFT, T. 50 years of progress with Iowa's crops and soils. Iowa Agr. 51(3):26-28. Nov.1952. 6 Io9

12660 KIRCHER, W. H. Corn following corn. Farmer [St. Paul] Gen. Ed. 70(20):1,36-37. Oct.18,1952. 6 F2211
Rotation of crops and fertilizers for corn.

12661 KLEČKA, A. Rotation of crops in Czech agriculture. (In Czech.) Za Socialist. Zeměděl. 2:635-642. June 1952. 19.5 Z1

12662 KRISTIANSTADS LÄNS HUSHÄLLNINGSÄLLSKAP. Berättelse över Hushållningssällskapets lokala fältförsök i Kristianstads län 1950 [Report of the local field tests of the Agricultural Society in Kristianstad Province 1950]. Kristianstads Läns Hushällsk. Tidskr. 1951,176 p. 11 K89

12663 KROGH, A. VON. Beitrag zur frage der fruchtfolgebewertung. Praxis u. Forsch. 4:93-95. Aug. 20,1952. 18 P89

12664 KUDRNA, K. New methods for sowing. (In Czech.) Za Socialist. Zeměděl. 1,i.e.2:64-69. Jan.1952. 19.5 Z1
Czechoslovakia.

12665 KUYKENDALL, R. Coastal Plain Station has projects in five fields important to area. Miss. Farm Res. [Miss. Sta.] 15(9):6-7. Sept.1952. 100 M69Mi
Research program in field crops.

12666 MALICORNET, H. L'experimentation agricole a-t-elle réalisé la "terre à étages." Potasse 26:169-173. Oct.1952. 57.8 P84

12667 NEWCOMER, J. L., and STABLER, S. P. Plant good seed. Md. Agr. Col. Ext. Fact Sheet 58, 2 p. Sept.1952. 275.29 M36Fa

12668 NIJDAM, F. E., SCHEIJGROND, W., and KORTEWEG, G. A. Standards for judging varieties in agriculture. IV. (In Dutch.) Zaadbelangen 6:149. July 15, 1952. 61.8 Z1

12669 OLLAGNIER, M. Aperçu sur quelques types de plans experimentaux. Oléagineux 7:577-581. Oct. 1952. 77.8 OL2

12670 POWELL, T. New crops mean better farming for you. Org. Farmer 4(4):16-17,44-46. Nov.1952. 57.8 Or3
Field crops.

12671 RAHEJA, P. C., and OBHRAI, S. R. Do catch crops pay in rotations? Indian Farming (n.s.)2(6):16-18. Sept.1952. 22 In283

12672 REGAL, V. Summer catch crops. (In Czech.) Za Socialist. Zeměděl. 2:514-519. May 1952. 19.5 Z1
Czechoslovakia.

12673 REMY, K. What does agronomy offer the student? Iowa Agr. 51(3):30-31. Nov.1952. 6 Io9

12674 RODGER, J. B. A. A crop variety survey in the vale of York. Gt. Brit. Min. Agr. Agriculture 59:319-323. Oct.1952. 10 G79J

12675 RUSAKOV, G. K. Agricultural and economic analysis of the crop rotation system on a collective farm. (In Russian.) In Kief. Académie des Sciences. Institut Ekonomiki. Voprosy perspektivnogo planirovaniîa v kolkhozakh, p.99-131. Moskva,Gos. Izd-vo Selkhoz Lit-ry, 1952. 281.9 K54

12676 SCHMID, A. R., CRIM, R. F., and ROST, C. O. Good crop rotation boosts corn yields. Minn. Farm & Home Sci. [Minn. Sta.] 10:4-5. Oct.1952. 100 M668

12677 ŠIMON, J. Crop rotation in the travopol'nyi system in connection with extension of the sowing area of the individual agricultural cooperatives. (In Czech.) Za Socialist. Zeměděl. 1,i.e.2:74-86. Jan.1952. 19.5 Z1
Czechoslovakia.

12678 WERNER, K. Zwischenfruchtbau und futterplan. Deut. Landwirt. 3:426-430. Aug.1952. 18 D4822
Russian Zone.

12679 YANOVSKY, J. For changing the fodder grain rotation. (In Hebrew.) Hassadeh 32:510-511. Aug./Sept. 1952. 26 H27

Cereals

12680 AGUZZI, G. Researches on the density and placing of the plants in varieties and hybrids of maize cultivated under dry and irriguous conditions on the Emilian Plain. (In Italian.) Ann. della Sper. Agr. (n.s.)6: 1329-1350. Ref. 1952. 16 An76
English summary.

12681 ANDERSSON, G., and LÖÖF, B. Variety tests and breeding work with maize at the Swedish Seed Association. (In Swedish.) Sveriges Utsädesför. Tidskr. 62: 323-345. Ref. 1952. 61.9 Sv23
English summary.

12682 AUFHAMMER, G. Züchtung und umweltgestaltung zur gewinnung qualitativ hochwertiger brau- und futtergerste. Landwirt. Forsch. Sonderh. 2:93-103. Ref. 1952. 18 L2333A

12683 BALDONI, R. Four year tests on wheat varieties. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1234-1265. 1952. 16 An76
English summary.

12684 BERTARELLI, E. Climatic prejudice. (In Italian.) Riso 1(8):15. Sept.1952. 59.8 R49
Discussion of hygienic aspects of rice culture.

12685 BONDIELLI, P. Apuan grain culture. (In Italian.) Agr. Tosc. 7:309-312. Sept.1952. 16 Ag827
Wheat varietal tests.

12686 CHATTERJI, U. N. Trials with Chinese varieties of paddy. Indian Farming (n.s.)2(7):22-23. Oct. 1952. 22 In283

12687 CLAPP, A. L. Cooperative oat variety tests, 1952. Kans. Agr. Expt. Sta. Rpt. Prog. Ser. C. E. 31,3 p. 1952? 100 K13Ro

12688 DAAMS, J. Osiris grain. (In Dutch.) Natura 49:125-127. Sept.-Oct.1952. 410 N2192

12689 DAVIS, J. Hybrid corn marks a milestone in agriculture's progress. Iowa Agr. 51(3):9,60-61. Nov. 1952. 6 Io9

12690 DICKSON, T. B., and MEIKLEJOHN, A. K. M. Barley varieties. I-II. Scot. Agr. 32:96-99. Autumn 1952. 10 Sco82So
I, In Mid-Scotland; II, In the Lothians and Borders.

12691 DIEKERT. Fragen des roggenanbaues im osnabrücker land. Landwirtbl. Weser-Ems 99:1035-1037. Oct.9,1952. 18 L2345

12692 DREIER, A. R., and EHLERS, P. L. Nebraska spring small grain variety tests, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 24,25 p. Sept.1952. 100 N27O

12693 ECKHOFF, G. Betrachtungen zur roggen- und winterweizenbestellung. Hannoversche Land- u. Forstwirt. Ztg. 105:1001-1003. Oct.4,1952. 18 H194

12694 GOLOVTSOV, L. A. Grafting cereals. (In Russian.) Agrobiologiia 5:80-90. Sept./Oct.1952. 20 Ag822
Embryo transplantation.

12695 GOPP. Zur braugerstenschau in Alzey. Brauwelt 35:803-804. Aug.28,1952. 390.8 B732

12696 GORE, U. R. Small grains are profitable crops. Res. News [Ga. Sta.] 3(8):1-2. Oct.1952. 100 G29R
Chiefly culture.

12697 GRAFIUS, J. E. A statistical model for estimating components of genetic variance in bulk yield tests of self-pollinated small grains. S. Dak. Agr. Expt. Sta. Tech. B. 9,13 p. May 1952. 100 So82

12698 GRILLOT, G., and others. Résultats obtenus à la Ferme Expérimentale de Fès dans des essais culturaux combinés de variétés, d'époque et de densité de semis de blés tendres. Terre Marocaine 26:363-369. Oct.1952. 24 T44
M. Dufresse, W. Hutter, M. Deleuze Dordron, and B. Jean, joint authors.

12699 GRITSENKO, V. V. On advancing hard wheat into the non-black earth area. (In Russian.) Sovet. Agron. 10(10):21-27. Oct.1952. 20 So84

12700 HALL, W. E. Breeding new wheats for milling quality. Nowest. Miller (Milling Prod. Sect.) 248(24):8a-11a. Dec.9,1952. 298.8 N81

12701 HEJNÝ, S. Our possibilities for cultivating rice. (In Czech.) Za Socialist. Zemědél. 2:809-815. July 1952. 19.5 Z1
Czechoslovakia.

12702 HURVITZ, S., GOLDIN, A., and LAHOVER, D. The white proso millet. (In Hebrew.) Hassadeh 32:507-510. Aug./Sept.1952. 26 H27

12702 ĮAKUBTSINER, M. M., and SAVITSKAIA, V. S. Late-autumn plantings of spring wheat. (In Russian.) Sovet. Agron. 10(10):41-46. Ref. Oct.1952. 20 So84

12704 ILLINOIS CROP IMPROVEMENT ASSOCIATION. Oats seed directory, 1952 crop. Urbana,1952. 22 p. 61.9 IL60

12705 ITALY. MINISTERO DELL'AGRICOLTURA E DELLE FORESTE. Per produrre molto granoturco coltivate mais ibridi [To produce much corn grow hybrids]. Roma,1951. 27 p. 59.22 It1

12706 IVANOFF, S. S., and others. 12 varieties of oats compared in grain tests. Miss. Farm Res. [Miss. Sta.] 15(9):1,8. Sept.1952. 100 M69Mi
D. Bowman, R. Coats, K. Freeman, B. L. Arnold, and C. L. Blount, joint authors.

12707 IVERSEN, K. Plant breeding has brought millions of crowns to the country. (In Danish.) Husmandshjemmet 2(37):6-7. Sept.16,1952. 11 H963
Grain.

12708 JAKUŠKIN, J. Certain questions concerning crops sown in autumn. (In Czech.) Za Socialist. Zemědél. 2:874-875. Aug.1952. 19.5 Z1
Grain.

12709 KIRICENKO, F. G. Hybridization of winter wheat varieties. (In Czech.) Za Socialist. Zemědél. 2: 462-463. Apr.1952. 19.5 Z1
Czechoslovakia.

12710 KOHLI, S. P., and PATKAR, M. B. Improved varieties of hill wheats. Indian Farming (n.s.)2(6):26-27. Sept.1952. 22 In283

12711 KOLESNIK, I. L. On the culture of winter wheat and other winter cereals in the western regions of Ukraine. (In Russian.) Sovet. Agron. 10(10):32-40. Oct. 1952. 20 So84

12712 KOLK, H. Growth of winter crops. (In Swedish.) Lantmannen 36:831. Oct.18,1952. 11 L234
Chiefly grain.

12713 KOROTKOV, S. High yields of spring wheat. (In Russian.) Kolkhoz. Proizvodstvo 12(10):24-26. Oct.1952. 281.8 K83

12714 KRISHNASWAMY, N. Origin and distribution of cultivated plants of south Asia: millets. Indian J. Genet. & Plant Breeding 11:67-74. Ref. June 1951. 64.8 In2

12715 LACOMBE, R. Façons culturales submergées. Motorisation Agr. 7:363. Sept.1952. 58.8 M85
Rice.

12716 LAKON, G. Uber keimpotenz und labile keimtendenz bei pflanzensamen, insbesondere bei getreidefrüchten. Saatgut-Wirt. 4:210-213. (Cont.) Sept.1952. 51.8 Sa1

12717 LAVEZZINI, V. Technical advice for the farm competition. (In Italian.) Avvenire Agr. 60:216-219. Sept.1952. 16 Av9
Grain culture in Italy.

12718 LE GLORU, P. Pour améliorer les rendements du blé en Provence. Révell Agr. 61:306-307. (Cont.) Oct.15,1952. 14 R322

12719 LINNARSSON, S., HAEGGBLOM, S., and BERGQUIST, G. What can be done to save the grain crop? (In Swedish.) Lantmannen 36:904-906. Nov.8,1952. 11 L234

12720 MCCULLOCH, R. N., MCKEOWN, N. R., and SUTER, D. D. The 1951 cereal harvest at Roseworthy Agricultural College. So. Austral. Dept. Agr. J. 56:75-83. Sept.1952. 23 So84

12721 MALIANI, C. Grain, cultivated crop. (In Italian.) Gior. di Agr. 62:309. Oct.12,1952. 16 It1G

12722 MALIANI, C. Italy and Greece in relation to grain culture. (In Italian.) Italia Agr. 89:665-668. Oct. 1952. 16 It1

12723 MANONI, R. Directions for the practical culture of wheat in the Province of Lucca. (In Italian.) Agr. Tosc. 7:305-307. Sept.1952. 16 Ag827

12724 MASSACESI, A. Grain awards in the Province of Firenze. (In Italian.) Agr. Tosc. 7:297-303. Sept. 1952. 16 Ag827

12725 MODAELLI, P. M. E. Rice in India. (In Italian.) Riso 1(8):12-14. Sept.1952. 59.8 R49
Folklore.

12726 MONTALTO, M. Production competitions and dry hot zones. (In Italian.) Rass. dell'Agr. Ital. 7(10): 16. Oct.1952. 281.8 R18
Grain culture.

12727 MÜNTZING, A. Induced polyploidy in cereals. Indian J. Genet. & Plant Breeding 11:4-6. June 1951. 64.8 In2

12728 MUTTI, U. Agricultural research during the agricultural season 1951-52. (In Italian.) Avvenire Agr. 60:189-195. Aug.1952. 16 Av9
Varietal tests with wheat.

12729 NARA, S. Studies on the barley-growing between the rows of vegetable crops. (In Japanese.) Saikyo U. Facul. Agr. Sci. Rpt. 2:101-105. Mar.1952. 22.5 K993
English summary.

12730 NEAL, N. P. Le maïs-hybride et ses possibilités. Terre Marocaine 26:370-375. Oct.1952. 24 T44

12731 NORTHEASTERN CORN IMPROVEMENT CONFERENCE, 7, NEW YORK, 1952. Report. Beltsville, Md.,1952. 25 p. 59.9 N815
Reported by M. T. Jenkins, Secretary.

12732 NOVELLI, N. Seed improvement. (In Italian.) Riso 1(8):9-10. Sept.1952. 59.8 R49

12733 PAL, B. P. Introduction of wild elements for the improvement of wheat. Indian J. Genet. & Plant Breeding 11:23-28. Ref. June 1951. 64.8 In2

12734 PAN, C. L. Rice improvement in China. Internatl. Rice Comn. News Let. 2:10-12. June 16,1952. 59.9 In83N

12735 PANE MERCE, J. Zonas apropiadas para la siembra de trigo "Pané 247." Ceres [Valladolid] 17 (195):7,9. Sept.1,1952. 15 C33

12736 PEARSON, O. H. Let's grow better crops of silage corn. East. States Coop. 28(12):10-12. Dec.1952. 280.28 Ea7

12737 PEEBLER, R. Better small grains. Iowa Agr. 51(3):21,50-51. Nov.1952. 6 Io9
Varieties and breeding.

12738 PISAREV, V. Ways of increasing the yields of spring wheat in the non-black earth area. (In Russian.) Kolkhoz. Proizvodstvo 12(10):22-24. Oct.1952. 281.8 K83

12739 PROVOOST, J., and DRIES, D.V. D. Experiences with corn culture on river clay soils in the Betuwe. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:299-301. Aug.1952. 12 N383M

12740 RALLO, T. El maiz hibrido. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 11-52 H,11 p. June 1952. 15 H68

12741 RAMIAH, K., GHOSE, R. L. M., and VACHHANI, M. V. Improvement of rice in India. Empire J. Expt. Agr. 20:161-174. Ref. July 1952. 10 Em7

12742 RAMIAH, K. Notes on field visits. Internatl. Rice Comn. News Let. 2:12-20. June 16,1952. 59.9 In83N
In Burma, the Philippines and Malaya.

12743 RAMIAH, K., and GHOSE, R. L. M. Origin and distribution of cultivated plants of South Asia—rice. Indian J. Genet. & Plant Breeding 11:7-13. Ref. June 1951. 64.8 In2

12744 REYES, G. M. Building new corn hybrids. Sugar News [Manila] 28(9):450-454. Sept.1952. 65.8 Su36
Philippines.

12745 ROBERGE, L. 3500 minots d'orge sur 100 arpents de terre abandonnée. B. des Agr. 34(10):19,71. Oct.1952. 7 B872
Canada.

12746 RÜTHER, H. Die saatzeit als wesentlicher faktor bei der steigerung unserer weizenerträge. Deut. Landwirt. 3:576-580. Ref. Nov.1952. 18 D4822
Russian Zone of Germany.

12747 SAMAT. Le riz, les foins et les boeufs en Camargue. Réveil Agr. 61:291-292. (Cont.) Oct.1,1952. 14 R322

12748 SCARSETH, G. D. What's going on in the cornfield? Soybean Digest 13:17-18. Nov.1952. 60.38 So9

12749 SCHÄFER, W. Der anbau von qualitätsweizen in Norddeutschland. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1945-1946. Nov.27,1952. 18 L2346

12750 SCHWERDTFEGER. Hybridmais- ein beispiel für weltoffene zusammenarbeit. Übersicht 3(7):46-47. July 1952. 18 Ub3

12751 STERTEN, A. K. Grain growing in the mountain areas in the light of recent overwintering studies. (In Norwegian.) Tidsskr. f. det Norske Landbr. 9/10:269-303. Ref. Sept./Oct.1952. 11 T433

12752 STRAND, E. Results of variety trials with winter rye in South-Eastern Norway during the period 1937/38—1949/50. (In Norwegian.) Forsk. og Førsok i Landbr. 3:49-67. Ref. 1952. 11 F772
English summary.

12753 STRUSSMANN, F. Wheat, rice, and other cereals. (In Portuguese.) Lav. Arroz. 6(68):40,42-43. Aug.1952. 59.8 L39

12754 SUNESON, C. A., SCHALLER, C. W., and EVERSON, E. H. An association affecting yield in barley. Agron. J. 44:584-586. Nov.1952. 4 Am34P
Breeding.

12755 TOMO, N. Studies on the environmental variation of paddy rice "Rikuu No. 132" (Tohoku Origin) cultivated in Tanegashima. II. (In Japanese.) Kyushu Noji Shikenjo 9:37-38. Mar.1952. 107.6 K996

12756 TONINI, G. Grain in hill areas. (In Italian.) Romagna Agr. e Zootec. 37(15):1-2. Sept.1952. 16 R66
Culture.

12757 VAILLANT, A. La rizïculture au Cameroun. Marchés Coloniaux du Monde 8:2325-2327. Aug.30,1952. 286.8 M33

12758 VASCONCELOS, D. DE M., and FALCAO, L. DE A. Spacing of corn. (In Portuguese.) Pernambuco Sec. de Agr., Indús. e Com. B. 19:112-118. Jan./June 1952. 9.2 P423

12759 WALKER, A. J. K. Results of wheat variety trials, 1948-51. So. Austral. Dept. Agr. J. 56:60-69. Sept.1952. 23 So84

Fiber Crops

12760 AFZAL, M. The history and the present status of cotton in Pakistan. Indian J. Genet. & Plant Breeding 11:89-94. Ref. June 1951. 64.8 In2

12761 BERG, E. Facts about ramie: the golden weed. New York,Waverly-Blair,1952. 106 p. 73.4 B452

12762 FARINHA, J. Practices in cotton culture. (In Portuguese.) Granja [Lisboa] 11:244-248. (Cont.) Oct./Dec.1952. 15.5 G76

12763 HUBBARD, J. L., and others. Cotton variety tests in the Lower Rio Grande Valley, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1507,4 p. Nov.13,1952. 100 T31P
C. S. Miller, N. J. Cain, and W. R. Cowley, joint authors.

12764 HUDSPETH, E. B., and JONES, D. L. Influence of depth of planting furrow on emergence, harvester efficiency and other related factors in cotton production on the High Plains. Tex. Agr. Expt. Sta. Prog. Rpt. 1484,3 p. Aug.9,1952. 100 T31P

12765 KUNDU, B. C. Origin of jute. Indian J. Genet. & Plant Breeding 11:95-99. Ref. June 1951. 64.8 In2

12766 LARSEN, A. Experiments on various crops as preceding crops for spinning flax. (In Danish.) Tidsskr. f. Planteavl 55:557-577. 1952. 11 T439
English summary.

12767 LUNA ERCILLA, C. A. Cultivo e industrialización del ramio. Pampa Argentina 25(290):8,24-25. Feb. 1952. 9 P19

12768 ORSOLINI, M. P., and ANGEL, A. La semilla selecta de algodonero. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:365-368. 1951/52. 9 Ag874

12769 PRESSLEY, E. H. Arizona 44 cotton. Reclam. Era 38:253-255,258. Nov.1952. 156.84 R24

12770 RABÉCHAULT, H. La ramie, études morphologique et taxonomique en vue de la sélection. Rev. Internatl. des Prod. Colon. 27:151,153-156,159. Aug./Sept. 1952. 286.8 R326

12771 SEALE, C. C., JOYNER, J. F., and GANGSTAD, E. O. The experimental culture of kenaf, Hibiscus cannabinus L. for fiber and seed in south Florida. Turrialba 2:99-105. Ref. July/Sept.1952. 8 T86

12772 UMALI, D. L., and VALDEZ, C. G. The fertility relationship of abacá with pacol and canton. Philippine Agr. 35:171-185. Sept.1951. 25 P542

Forage Crops and Grasses

12773 ALFALFA IMPROVEMENT CONFERENCE, 13, RALEIGH, 1952. Report. n.p.,1952. 86 p. 60.9 AL2

12774 ANISIMOV, F. A. A leading district in growing seeds of perennial grasses and legumes. (In Russian.) Sotsialist. Zhivotnovod. 14(5):18-21. May 1952. 49 So71
Alfalfa and sainfoin chiefly.

12775 ARAUJO, A. A. DE. Planting pastures. III. (In Portuguese.) Lav. Arroz. 6(68):44,46. Aug.1952. 59.8 L39

12776 ARNDT, A. Wandlungen der grünlandflora. Urania 15:335-339. Sept.1952. 474 Ur1

12777 BALMOS, D. Forage crop or pest? Tex. Livestock J. 11(10):6. Oct.15,1952. 49 T29
Prickly pear.

12778 BLASER, R. E., SKRDLA, W. H., and TAYLOR, T. H. Ecological and physiological factors in compounding forage seed mixtures. Advn. Agron. 4:179-219. Ref. 1952. 30 Ad9

12779 BOKUT', V. F. Forage plants on a peat bog. (In Russian.) Sotsialist. Zhivotnovod. 14(5):22-27. May 1952. 49 So71
Culture mainly.

12780 BRAZHNIK, P. A. On predecessors of perennial grasses and legumes. (In Russian.) Sovet. Agron. 10(9):82-83. Sept.1952. 20 So84

12781 BREWBAKER, J. L. Colchicine induction of tetraploids in Trifolium species. Agron. J. 44:592-594. Nov.1952. 4 Am34P

12782 CARLSON, J. W. Possibilities of cultural and rotational practices in a permanent program of alfalfa seed production (with special reference to Utah). Alfalfa Impr. Conf. Rpt. 13:49-51. 1952. 60.9 AL2

12783 CATFORD, J. R. Pasture management in Uganda in relation to western Equatoria. East African Agr. J. 17:183-187. Apr.1952. 24 Ea74

12784 CORBELLINI, I. Contribution to the agronomical knowledge of velvet beans. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1131-1151. Ref. 1952. 16 An76
English summary.

12785 CORREA, V. Forage, a problem to be solved intelligently. (In Portuguese.) Rev. dos Criadores 23(8): 5-8. Aug.1952. 43.8 R32

12786 DAVIES, W. E. Where we can follow our bents. Farmers Wk. [London] 37(21):64-65. Nov.21,1952. 10 F2226
Breeding and varieties of Agrostis.

12787 DICKEY, J. B. R. Pasture mixtures and management. Pa. Farmer 147(10):378,399. Nov.22,1952. 6 P383

12788 DICKSON, B. T. Three notable developments in agriculture—1952 Farrer Oration, 2. Agr. Gaz. N. S. Wales 63:467-468,477-479. Sept.1952. 23 N472
Deals with subterranean clover and mineral deficiencies in pastures.

12789 DILLON, P. L., and COPLAND, H. M. Dry land farming and the feed supply. Lincoln Col. Farmers' Conf. Proc. 1952:99-109. 27 L63
Grazing.
Includes discussion.

12790 DINI, D. Production and possibilities of development of autumn-winter grasses. (In Italian.) Agr. Tosc. 7:313-318. Sept.1952. 16 Ag827

12791 ELLING, L. J. Alfalfa seed production problems in Minnesota. Alfalfa Impr. Conf. Rpt. 13:51. 1952. 60.9 AL2

12792 FINE, H. Special purpose legumes for the Great Plains. Colo. Rancher & Farmer 6(21):6,13. Nov.8,1952. 6 C714

12793 FLETCHER, R. S. The end of the open range in eastern Montana. Mont. Stockgrower 24(10):26-29,32,34-36,38,40,42. Oct.15,1952. 49 M76

12794 FREDERIKSEN, H. Effects of clover on the yields of our pastures. (In Danish.) Jydsk Landbr. 34: 563-566. Aug.21,1952. 11 J99

12795 GARRISON, C. S. Breaking the bottleneck in forage seed production. Macdonald Farm J. 13(2):8-10. Oct.1952. 101 M144
Canadian Forage Seed Project.

12796 GARRISON, C. S. Building up seed supplies of improved alfalfa varieties. Alfalfa Impr. Conf. Rpt. 13:52. 1952. 60.9 AL2

12797 GARRISON, C. S. Certified seed production in the Southwest. Alfalfa Impr. Conf. Rpt. 13:53. 1952. 60.9 AL2

12798 GIGLIOLI, L. An interesting association: alfalfa-flax. (In Italian.) Agr. Tosc. 7:308. Sept.1952. 16 Ag827

12799 GOFF, A. Now—a mechanical bee. Farm J. 76(12):36. Dec.1952. 6 F2212
A machine for pollinating alfalfa.

12800 GOMEZ, S. F. El cuidado y control de las praderas. Mundo Agr. 4(40):24-25. Sept.1952. 9 M92
Argentina.

12801 GRANFIELD, C. O. Dehydrated alfalfa quality begins in the field. Feedstuffs 24(47,spec.alfalfa sect.):7a. Nov.22,1952. 286.81 F322

12802 GRAUMANN, H. O. Report on yield of selected clones. Alfalfa Impr. Conf. Rpt. 13:64-65. 1952. 60.9 AL2

12803 GROBBELAAR, W. P. Kaffircorn seed. Farming So. Africa 27:424,435,446. Sept.1952. 24 So842

12804 GROOT, H. DE. De voordelen van het omweiden [Advantages of open range]. Netherlands. Dir. van de Landb. Vlugschr. v. de Landb. 24,8 p. 1952. 12 N38Vs

12805 GRUGET, E. A. Cultivo e industrializacion del maíz de guinea. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:257-261. 1951/52. 9 Ag874

12806 GUERILLOT, J., GUERILLOT-VINET, A. J., and BARONI, J. Action des oligoéléments sur la faculté germinative des graines de semence présentant des germes anormaux ou brisés. Cong. Internaz. Indus. Agr. Relaz 9(1):367-374. 1952. 388 C765Re
English summary.
Forage plant seeds.

12807 GUNTHER, A. Fragen der grassamenvermehrung. Deut. Landwirt. 3:581-587. Nov.1952. 18 D4822
Russian Zone of Germany.

12808 HAGBERG, A. Investigations on the degree of cross-fertilization in sweet lupine. (In Swedish.) Sveriges Utsädesför. Tidskr. 62:301-310. Ref. 1952. 61.9 Sv23
English summary.

12809 HARLAN, J. R. Harvesting and cleaning grass seed in Oklahoma. Tex. Livestock J. 11(10):7,64-65. Oct.15,1952. 49 T29

12810 HUNT, I. V. Resting grassland for greater production. Scot. Agr. 32:92-96. Autumn 1952. 10 Sco82So

12811 IDAHO. AGRICULTURAL EXPERIMENT STATION. Forage crop production in Idaho. Idaho. Agr. Expt. Sta. Mimeog. L. 118,37 p. Ref. May 1952. 100 Id12
Idaho Agricultural Extension Service and U. S. Soil Conservation Service cooperating.

12812 IDAHO. AGRICULTURAL EXPERIMENT STATION. Recommendations for alfalfa seed production in Idaho. Idaho. Agr. Expt. Sta. Mimeog. L. 31,12 p. Aug. 1952. 100 Id12

12813 JOHANSSON, J. Extensive pasture experiments in Norrland. (In Swedish.) Lantmannen 36:887-888. Nov.1,1952. 11 L234

12814 JOHNSON, A. Natural pastures in the Inverell, Moree and Boggabilla districts. Agr. Gaz. N. S. Wales 63:463-466. Sept.1952. 23 N472
Grass varieties and pasture management.

12815 JOHNSON, G. D. The eight great pastures. Successful Farming 50(11):40-41,116-119. Nov.1952. 6 Su12
Grass varieties.

12816 JONKER, J. J. The grassland and the pastures in the Nordoostpolder in 1951. (In Dutch.) Netherlands. Dir. van de Wieringemeer. Verslag 15:3-18. 1952. 290.9 N382

12817 KAL'IANOV, D. G. Perennial grasses and legumes for the crop rotations of the steppe area in Ukrainian SSR under conditions of low places and irrigated plots. (In Russian.) Sovet. Agron. 10(10):55-58. Oct.1952. 20 So84

12818 KENNAN, T. C. D. The improved West African Napier fodders [Pennisetum purpureum]. Rhodesia Agr. J. 49:221-228. July/Aug.1952. 24 R34

12819 KEPHART, J. C. What makes alfalfa quality in harvesting? Feedstuffs 24(47,spec.alfalfa sect.):10a, 12a. Nov.22,1952. 286.81 F322

12820 KLARENBERG, K. A. Voederbieten op zandgrond [Feed beets on sandy soils]. Netherlands. Dir. van de Landb. Vlugschr. v. de Landb. 23,8 p. 1952. 12 N38Vs

12821 KNOWLES, R. P. The use of lattice designs for testing forage crops. Sci. Agr. 32:614-617. Ref. Nov.1952. 7 Sci2

12822 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(41):11. (Cont.) Oct.10, 1952. 18 B324
Germany.

12823 KRZHEMINSKIĬ, E. M. Ten centners of rye grass seed per hectare. (In Russian.) Selek. i Semen. 19(5):75-76. May 1952. 61.9 Se5

12824 KUROV, I. Improving the productivity of meadows. (In Russian.) Kolkhoz. Proizvodstvo 12(10): 26-27. Oct.1952. 281.8 K83

12825 LANGDON, O. G., BOMHARD, M. L., and CASSADY, J. T. Field book of forage plants on longleaf pine-bluestem ranges. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 127,117 p. Ref. June 1952. 1.9 F7624O

12826 LESHCHENKO, L. Controlled growing of multicrop rye grass. (In Russian.) Khlopkovodstvo 4:17-21. Apr.1952. 72.8 K522

12827 LESINS, K. Some data on the cytogenetics of alfalfa. Alfalfa Impr. Conf. Rpt. 13:11-19. Ref. 1952. 60.9 AL2

12828 LINEHAN, P. A., LOWE, J., and STEWART, R. H. The output of pasture and its measurement. III. Brit. Grassland Soc. J. 7:73-98. Ref. Sept.1952. 60.19 B773

12829 MCCULLOUGH, M. E. Science and the cow look at pasture forage as a feedstuff. 3. Securing maximum utilization from grasslands. Better Crops Plant Food 36(9):13-18,41. Nov.1952. 6 B46

12830 MCKNIGHT, H. T. $10 land pays off in grass: "Mr. Farming" has a field day. Windrow 2(4):6-7. Sept.1952. 60.18 W72

12831 MADERO, G. E. El sorgo negro (Sorghum almum). Bolsa de Com. Rosario. Rev. 40(976):7-8,10. Sept.15,1952. 287 R71
As forage plant.

12832 MAITREJEAN, H. Comment créer et entretenir des pacages à moutons. Mouton 7:91. Aug./Sept. 1952. 45.8 M86

12833 MALOCH, M. Care of pastures. (In Czech.) Za Socialist. Zemědél. 2:318-331. Mar.1952. 19.5 Z1
Czechoslovakia.

12834 MALOCH, M. Harvesting and planting forage plants in the fall for the purpose of better utilization. (In Czech.) Za Socialist. Zemědél. 2:876-884. Aug. 1952. 19.5 Z1

12835 MALOCH, M. Management of green forage during the summer season. (In Czech.) Za Socialist. Zemědél. 2:507-514. May 1952. 19.5 Z1
Czechoslovakia.

12836 MANN, D. What Miami [County] learned about starting grasses. Kans. Farmer 89(20):6,28-29. Oct.18, 1952. 6 K13

12837 MAOKA, M., IDESAKO, K., and KAI, M. Research on cultivation of feed crops in newly reclaimed grass field. (In Japanese.) Kyushu Noji Shikenjo 9: 83-84. Mar.1952. 107.6 K996

12838 MERCER, R. D. Sheep on irrigated pasture. Mont. Wool Grower 26(11):37-38. Nov.1952. 45.8 M762

12839 MIÈGE, E. Le problème fourrager au Maroc. Inform. Marocaine 604:1-2; 605:1-2. (Cont.) Aug.9-16, 1952. 281.8 In3

12840 MORRISON, K. J. Big trefoil [Lotus uliginosus]. Wash. State Col. Ext. C. 213,6 p.-folder. Nov.1952. 275.29 W27C

12841 MURAKAMI, K., SANO, H., and OKABE, S. Cultivation studies on meadows. I. Effect of cutting frequencies on the yield and chemical composition of red clover, orchardgrass and timothy meadows. (In Japanese nese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:16-26. Mar.1952. 107.6 H68
English summary.

12842 NELSON, L. B. Mountain meadows—more hay for the West! Crops & Soils 5(3):16-18. Dec.1952. 6 W55
Research to investigate ways to increase meadow hay production.

12843 OLOFSSON, S. English pasture research. (In Swedish.) Lantmannen 36:864-865. Oct.25,1952. 11 L234

12844 OOSTERVELD, P. Obtaining of feed on sandy soils. (In Dutch.) Overijsselsch Landbbl. 34(1676):14. Oct.16,1952. 12 Ov2

12845 PARRISH, C. F., and DOBSON, S. H. Grazing crops for poultry. N. C. Agr. Col. Ext. Folder 94,6 p. Sept.1952. 275.29 N811Ex

12846 PEDRO BIGNOLI, D. Forraje. Bolsa de Com. Rosario. Rev. 40(977):3-4. Sept.30,1952. 287 R71
Chiefly culture.

12847 PEULVRUCHTEN STUDIE COMBINATIE. De peulvruchten studie combinatie in 1951. [The Legume Research Institute in 1951]. Wageningen,1951. 57 p. 60.39 P46

12848 POEY, F. Sexto Congreso Internacional de Pastos. Rev. Ganad. [Habana] 12(11):13-15,61,64. (Cont.) Nov.1952. 49 R321

12849 PRIMEAUX, E. Fall-to-spring grazing experiments by Swift Co. Gulf Coast Cattleman 18(9):25-26. Nov.1952. 43.8 G95

12850 RAYMOND, L. C. Fall management of pastures. Macdonald Farm J. 13(2):2-4. Oct.1952. 101 M144

12851 REHM. Die topinambur als futterpflanze. Tierzucht 6:317-319. Sept.1952. 49 T443

12852 RENIUS, W. Mehr sicherheit und ertrag durch herbst-grasaussaat im rotklee-anbau. Deut. Landwirt.-Gesell. Mitt. 67:683-684. Sept.27,1952. 18 N39

12853 RIEWE, M. E., and SMITH, J. C. Seeding oats on an established Dallis and Bermudagrass sod. Tex. Agr. Expt. Sta. Prog. Rpt. 1487,3 p. Aug.16,1952. 100 T31P

12854 SAMTLEBEN, W. Durch futteraufrisse und fütterungsversuche zu höheren leistungen in der nutzviehhaltung. Deut. Landwirt. 3:420-426. Aug.1952. 18 D4822
Russian Zone.

12855 SAVIĆ, R. On production of early green forage. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):3-4. Aug.1952. 21.5 V87

12856 SCHUMACHER, C. M. King of our native hay and pasture grasses. Nebr. Cattleman 9(3):81-82. Nov. 1952. 43.8 N27
Andropogon furcatus.

12857 SHAFRAN, A. M. Winter rye for green feed. (In Russian.) Sotsialist. Zhivotnovod. 14(5):28-31. May 1952. 49 So71

12858 SILVER, E. A. Factors in the improvement of pastures. Agr. Engin. 33:796,798. Dec.1952. 58.8 Ag83

12859 SIMMONS, B. Iowa's forage improvement program. Iowa Agr. 51(3):12-13,46,48-49. Nov.1952. 6 Io9

12860 SKRIPKA, P. A. Forage crops on the sands of Aleshki. (In Russian.) Les i Step' 4:7-16. Apr.1952. 99.8 L565

12861 SMITH, J. G. Texas Panhandle cattlemen like blue panic, but they know its limitations. Farmer-Stockman 55(10):9,67. Oct.1952. 6 F22127
Panicum antidotale.

12862 SOPER, M. H. R. A study of the principal factors affecting the establishment and development of the field bean (Vicia faba). J. Agr. Sci. 42:335-346. Oct.1952. 10 J822
Great Britain.

12863 STAPLEDON, SIR G. World grass. Gt. Brit. Min. Agr. Agriculture 59:356-359. Nov.1952. 10 G79J
Improvement of the world's grasslands and world food production.

12864 STAZIONE SPERIMENTALE DI PRATICOLTURA DI LODI. Relazione sull'attività. [Report on the work of the Pasture Management Experiment Station of Lodi, 1951. Lodi,1952. 103 p. 60.9 L82

12865 STERTEN, A. K. Investigations with respect to the wintering of hayplants in the years 1949—1951. (In Norwegian.) Forsk. og Forsøk i Landbr. 3:31-47. Ref. 1952. 11 F772
English summary.
With special emphasis on clover.

12866 STEVENSON, T. M. Summary report of progress in alfalfa improvement in Canada. Alfalfa Impr. Conf. Rpt. 13:2-8. 1952. 60.9 AL2

12867 STOCKMEN'S GRAZING COMMITTEE. The stockman's solution to the Federal grazing problem. Amer. Cattle Prod. 34(5):9-10,33-35. Oct.1952. 49 P94

12868 STUCKEY, I. H. Pastures for Rhode Island. R. I. Agr. Expt. Sta. B. 313,98 p. May 1952. 100 R34S

12869 TALBOYS, B. E. Where ploughing called for nerve and now a high-producing herd is grazing first-class pastures to return 170 lb. fat per acre. New Zeal. Dairy Exporter 28(4):5-7. Oct.1952. 44.8 N484
Pasture management.

12870 TERKAMP, E. Ansaat und pflege von wiesen und weiden nach meliorationen. Wasser u. Boden 4:237-239. Aug.1952. 56.8 W28

12871 THROCKMORTON, R. I. Don't lose half your alfalfa seed! Country Gent. 122(11):33,77. Nov.1952. 6 C833
Preharvest curing with dinitro spray.

12872 TORRIE, J. H., HANSON, E. W., and ALLISON, J. L. Effects of sibbing on the forage yield and combining ability of red clover. Agron. J. 44:569-573. Ref. Nov.1952. 4 Am34P

12873 TRUMBLE, H. C. Grassland agronomy in Australia. Advn. Agron. 4:3-65. Ref. 1952. 30 Ad9

12874 U. S. FOREST SERV. CALIFORNIA FOREST AND RANGE EXPERIMENT STATION. The forage crops on national forest land. Calif. Cattleman, Nov.1952:19-22. (Cont.) 43.8 C12

12875 U. S. SOIL CONSERVATION SERV. Report on the grazing lands of the Rupununi Savannahs of British Guiana with recommendations for improvement, by J. S. McCorkle. Albuquerque?N.Mex.,1951. 52 p. Ref. 1.96 Op2Rep

12876 WACHTER, H. VON. Förderung der grünlandwirtschaft und des futterbaues 1951/52. Deut. Landwirt.-Gesell. Mitt. 67:754-755. Oct.16,1952. 18 N39

12877 WAGNER, R. E. Effects of differential clipping on growth and development of seedling grasses and legumes. Agron. J. 44:578-584. Nov.1952. 4 Am34P

12878 WALKER, A. Substances végétales employées comme appâts. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:395-396. July/Aug.1952. 26 R323

12879 WALLIN, B. In regard to the problem of uneven grazing: Is it due to the difference in sugar content of the pasture grass? (In Swedish.) Beten-Vallar-Mossar 4:82-85. Aug.1952. 11 B46

12880 WALLIN, B. A scientific farmer and his life work. (In Swedish.) Lantmannen 36:855-856,863. Oct. 25,1952. 11 L234
Chiefly on pasture management.

12881 WELLS, D. G. New Abruzzi rye strain promising as grazing crop. Miss. Farm Res. [Miss. Sta.] 15(9):1. Sept.1952. 100 M69Mi

12882 WHITE, A. L. The new alfalfas. Farm Q. 7(4):53,101-105. Winter 1952. 6 F22995

12883 WHITE, W. T. Classification and improvement of mountain pastures in Italy. Brit. Grassland Soc. J. 7:99-106. Sept.1952. 60.19 B773

12884 WHYTE, R. O., and YEO, M. L. Green crop drying. London,Faber & Faber,1952. 328 p. 60 W62
Includes grassland farming.

12885 YAMAMURA, E., and KONO, T. Studies on the components and the utilization of yellow lupine. (In Japanese.) Kyushu NojiShikenjo 9:97-98. Mar.1952. 107.6 K996

12886 ZETTLER. Die jungvieh- und fohlenweide Bruchsal. Bad. Landwirt. Wchnbl. 119:714. Oct.11, 1952. 18 B142

Oil Crops

12887 AMBASTHA, H. N. S. Grow more groundnuts. Bihar Agr. Col. Mag. 3:27-32. Feb.1952. 107.5 B482
Culture, including costs.

12888 DENKER, T. N., JR. Oil on your farm? Crops & Soils 5(3):10-11. Dec.1952. 6 W55
Culture of the castorbean plant.

12889 FRIEDERICH, J. C. Culture of oil flax. (In Dutch.) Nieuwe Veldbode 18:787. Sept.4,1952. 12 V542
In the Netherlands and France.

12890 GEORGIA. STATE ENGINEERING EXPERIMENT STATION. Annual progress report, project No. 147; efficient picking, transporting, handling, storing, and shelling of farmers' stock peanuts, by T. A. Elliott and B. W. Carmichael. Atlanta,1951. 48 p. 77.9 G29

12891 KLITSCH, C. Fragen um die winterölfrucht, namentlich ihre vorfruchtstellung. Deut. Landwirt. 3: 402-407. Aug.1952. 18 D4822
Russian Zone.

12892 LAMOREAUX, J. The soybean,agriculture's Johnny-come-lately. Internatl. Harvester World 43(11): 19-23. Nov.1952. 58.8 H26

12893 NAKHTORE, K. L. Jangli til (wold sesame) on Adhartal Farm. Nagpur Agr. Col. Mag. 26:16-17. 1951/52. 107.5 N132
Wild Sesamum orientale.

12894 PELLETT, K. Soybeans in the Midsouth: they can take it! Soybean Digest 13:12-14. Nov.1952. 60.38 So9

12895 RAHEJA, P. C. Oilseeds. Indian Farming (n.s.)2(7):8-9. Oct.1952. 22 In283

12896 RAMANUJAM, S., and JOSHI, A. B. The use of wild species in breeding improved varieties of cultivated til (Sesamum orientale L.) and some considerations on the origin and distribution of S. orientale. Indian J. Genet. & Plant Breeding 11:100-104. Ref. June 1951. 64.8 In2

12897 ROMPIETTI, A. Observations on the yields and germinative power of the soy-bean in droughty cropping seasons. (In Italian.) Ann. della Sper. Agr. (n.s.)6: 1307-1328. 1952. 16 An76
English summary.

12898 SAUNDERS, A. R. Soybeans in South Africa. Soybean Digest 13:15-16. Nov.1952. 60.38 So9

12899 SHEPHERD, R. W. Linseed cultivation trials in East Anglia, 1948-50. Gt. Brit. Min. Agr. Agriculture 59:381-385. Nov.1952. 10 G79J

12900 SHIMAZU, S., and YAMABE, K. On the young seedling planting method of rape in the mountainous cold regions of Kyushu. (In Japanese.) Kyushu Noji Shikenjo 9:49-51. Mar.1952. 107.6 K996

Sugar Crops

12901 BAKSHITZKY, M. The problems of sugar beet growing. (In Hebrew.) Hassadeh 32:511-512. Aug./Sept.1952. 26 H27

12902 BAUSCH, P. G. Renovación de cañaverales en Santa Fé. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:156. 1951/52. 9 Ag874

12903 BRETT, P. G. C. Further progress in sugarcane breeding in Natal. So. African Sugar Technol. Assoc. Proc. 26:116-125. 1952. 65.9 So83
Includes discussion.

12904 CALMA, V. C., and JUBAN, J. M. The ratoon crop of four promising seedling canes produced by the College of Agriculture. Sugar News [Manila] 28(9):407-408. Sept.1952. 65.8 Su36

12905 CERNENKOV, A. D. Autumn planting of sugar beets in the non-black-soil zone. (In Czech.) Za Socialist. Zeměděl. 2:884-887. Aug.1952. 19.5 Z1

12906 DVORAK, F. Planting single beet seeds. (In Czech.) Za Socialist. Zemedel, p.209-213. In Zpravodaj Ustredi Zemedel. Vyzkumn. 2(3). Mar.1952. 19.5 Z1

12907 FLAMINI, B. Spacing and missing places in beet culture. (In Italian.) Indus. Sac. Ital. 45:253-265. July/Aug.1952. 65.8 In23

12908 GOMES, P. Improvement in Amazonia. (In Portuguese.) Bras. Açucareiro 39:582-583. June 1952. 65.8 B73
Suggested culture of sugarcane, rice and other crops.

12909 HANSCHELL, D. M. Sugar cane experiments in Trinidad, 1951. Agr. Soc. Trinidad & Tobago. Proc. 52:155-157,159-161. June 1952. 8 T73

12910 HARVEY, P. Topped but unlifted beet: a three-year trial. Brit. Sugar Beet Rev. 21:33-36,43. Sept.1952. 66.8 B77

12911 HEINISCH, O. Zuckerrübensaatgutbau durch spätsommeraussaat. Deut. Landwirt. 3:407-409. Aug. 1952. 18 D4822
Russian Zone.

12912 INDIAN CENTRAL SUGARCANE COMMITTEE. Institute of Sugar Technology and Sugarcane Research, Lucknow; foundation stone laying ceremony 16th February, 1952. New Delhi,1952. 12 p. 65.9 L96

12913 INSTITUT BELGE POUR L'AMELIORATION DE LA BETTERAVE. Rapport annuel, exercice 1950. Tirlemont,1951. 17 p. 1951. 66.9 In7N

12914 JORRITSMA, J. Het optreden van verliezen bij het oogsten en bewaren van suikerbieten [The behavior of sugarbeet under different harvesting and storaging conditions. Inst. v. Ration. Suikerprod. Meded. 1,44 p.] Aug.1952. 66.9 B45
English summary.

12915 LUDECKE, H. Das fahrbare rübenlabor. Landwirt. Forsch. 3:123-127. 1951. 18 L2333
Mobile unit for sugar beet research.

12916 MALIS, O. Ensuring the required crops of sugar beets and potatoes. (In Czech.) Za Socialist. Zemedel. 2:373-375. Apr.1952. 19.5 Z1
Czechoslovakia.

12917 OLSEN, E. Beet harvesting. (In Danish.) Jydsk Landbr. 34:697-699. Oct.9,1952. 11 J99

12918 PEDROSA PUERTAS, R. Técnico azucarero [Alfonso L. Fors Diaz] visita a Venezuela. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:319-323. Sept.1952. 65.9 As5B

12919 PROTASOV, A. F. High yields of sugar beets. (In Russian.) Sofsialist. Zhivotnovod. 14(5):85-86. May 1952. 49 So71

12920 ROSENSTAND, T. Experiences with the use of segmented seed in 1952. (In Danish.) Jydsk Landbr. 34: 702-704. Oct.9,1952. 11 J99
Of sugar beets.

12921 SANTOS, J. B. Comparative yields between H-37 1933 (Hawaiian) and POJ 2878 (Java) in the District of Bais, crop 1951-52. Sugar News [Manila] 28(9):417-418. Sept.1952. 65.8 Su36

12922 SIMON, M. La vegetation de la betterave en 1951. Sucr. Belge 72:1-10. Sept.1/15,1952. 66.8 Su1

12923 SORNAY, A. DE. Some aspects of sugar cane breeding in Mauritius. So. African Sugar Technol. Assoc. Proc. 26:111-115. 1952. 65.9 So83
Includes discussion.

12924 STEHLIK, V., and HAVRANEK, J. Let us ensure a large sugar beet crop for the year 1952. (In Czech.) Za Socialist. Zemédél. 1,i.e.2:86-93. Jan.1952. 19.5 Z1
Czechoslovakia.

12925 THOMPSON, E. G. Trials of sugar beet strains. Brit. Sugar Beet Rev. 21:25-28. Sept.1952. 66.8 B77

12926 WILLCOX, O. W. Why cane varieties deteriorate. Sugar 47(12):47-48. Dec.1952. 65.8 F11
Need for superior varieties with excessive hybrid vigor.

Tobacco

12927 BABAC, S. A brief history, significance and problem of tobacco production in raions of Dalmatia. (In Serbo-Croatian.) Tutun 2:203. June/July 1952. 69.8 T88

12928 BAIRD, E. W. The production of tobacco seedlings in the Mareeba-Dimbulah District. Queensland Agr. J. 75:125-137. Sept.1952. 23 Q33

12929 BATES, T. E. Tobacco seedbeds. Rhodesian Tobacco Grower 1(5):14-15. Sept.1952. 69.8 R342

12930 BOWLING, J. D., MCMURTREY, J. E., JR., and BROWN, D. E. Variety, description and performance tests with Maryland tobacco measured by composition, yield and value. Md. Agr. Expt. Sta. B. A73,21 p. n.d. 100 M36S

12931 GORNIK, R. The World Tobacco Congress in Amsterdam. (In Serbo-Croatian.) Tutun 2:156-172. May 1952. 69.8 T88

12932 JANKOVIC, Z. The interval of transplantation of tobacco. (In Serbo-Croatian.) Tutun 2:172-178. May 1952. 69.8 T88

12933 JANKOVIC, Z. C. The period of tobacco planting. (In Serbo-Croatian.) Tutun 2:141-146. Apr. 1952. 69.8 T88

12934 LAGON, F. There's golden tobacco in La Union Farms. Agr. & Indus. Life 14(9):8-9,39. Sept.1952. 25 Ag8
Cultivation of Virginia leaf tobacco in the Philippines.

12935 LEMOIGNE, M. La culture du tabac au Cameroun et en Afrique Equatoriale Française. Rev. des Tabacs 27(199):29-33. Autumn 1952. 69.8 R325

12936 MCDONALD, E. J. Tobacco growing in southwestern Queensland. Queensland Agr. J. 75:63-84. Aug. 1952. 23 Q33

12937 MARKOVINA, S. Qualitative condition of tobacco production in the territory of lower Herzegovina before and after the War, and the measures for its improvement. (In Serbo-Croatian.) Tutun 2:124-130. Apr.1952. 69.8 T88

12938 RADOJEVIC, R. Production of the Macedonian type of tobacco. (In Serbo-Croatian.) Tutun 2:130-141. Apr.1952. 69.8 T88

12939 TICIC, V. When should tobacco be picked? Tutun 2:196-203. June/July 1952. 69.8 T88

12940 TICIC, V. A word or two on the measures for improvement of tobacco production. (In Serbo-Croatin.) Tutun 2:151-156. May 1952. 69.8 T88
Yugoslavia.

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

12941 AMERICAN ASSOCIATION OF NURSERYMEN. Badge Book, seventy-seventh annual convention, July 13-17, 1952, Detroit. Chicago,1952. 286 p. 225 Am329

12942 ARENDS, G. Mein leben als gärtner und Züchter. Grundlagen u. Fortschr. im Gart.- u. Weinbau 91,179 p. 1951. 80 G922

12943 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCIÓN GENERAL DE FOMENTO AGRÍCOLA. Variedades horticolas:indicaciones para la siembra. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:381-383. 1951/52. 9 Ag874
Fruit and vegetables.

12944 BANGA, O. Protection of the breeder's work. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 33,16 p. Apr.1952. 86 W12

12945 BÖHM. Der dänische gartenbau. Landwirtschaft 21/22:326-327. Nov.1952. 19 L235

12946 BOWERS, C. G. Horticultural citizenship and MGCA [Men's Garden Clubs of America]. Mega 12(4):27-28. Sept.1952. 90.32 M52B

12947 BROWN, A. R. Extension program in horticulture. West. Canad. Soc. Hort. Rpt. Proc. 8:104. 1952. 82 W522

12948 BURGESSER, F. W. Coated seed use expanding. West. Grower & Shipper 23(12):226-228. Nov. 1952. 280.38 W52

12949 CHADWICK, L. C. The fundamentals of pruning. Arborist's News 17:89-92. Oct.1952. 99.8 Ar14

12950 DEBRUS, J. L'art d'etre jardinier. Cour. Hort. 14:498-499. Sept.1952. 80 C834

12951 DEKKER, P. Some aspects of Spanish horticulture. (In Dutch.) Groenten en Fruit 8:224-226. Oct.2, 1952. 80 G89

12952 ELIA, F. D'. Inventions in agriculture; limits of present protection; problem of their protection in the future. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1221-1232. 1952. 388 C765Re
English summary.
With particular reference to plant patents.

12953 GALLARDO, B. Condiciones que deben reunir las plantas que se adquieren en los viveros. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:229-230. 1951/52. 9 Ag874

12954 GREEN, S. Gardening in the North. (In Swedish.) Trädgårdstidningen 24(10):12-17,28. Oct.1952.

12955 HAUSNER, F. Das pflanzen der bäume. Obst u. Gart. 7:132-133. Sept.1952. 80 Ob75

12956 HELM, G. W. V. D. Horticulture around Amsterdam. (In Dutch.) Groenten en Fruit 8:182-184. Sept.18,1952. 80 G89

12957 HILTON, R. J. What's in a name ? West. Canad. Soc. Hort. Rpt. Proc. 8:6-7. 1952. 82 W522
Definition of horticulture.

12958 HOAK, C. Seed beds for success. Org. Gard. 20(12):20-21. Dec.1952. 56.8 Or3
Southwestern States.

12959 HULL, G. Gardening under cloches. Pop. Gard. [Albany] 3(12):25,44. Dec.1952. 80 P812

12960 IBBETT, W. C. Cropping systems for cold houses. (Sum.) Grower [London] 38:982-983. (Cont.) Nov.15,1952. 286.83 M34

12961 ISLENSKA GARÐYRKJUFJELAG. Gróðurhusabókin [the greenhouse book]. Reykjavik,1951. 107 p. 91 Is4

12962 JØRGEN, S., and LARSEN, Ø. 42 degrees Celsius in the shade. (In Norwegian.) Gartneryrket 42: 703-704. Oct.11,1952. 80 G1938
Greenhouse culture in North Carolina.

12963 KERR, W. L. Commercial nurseries catering especially to prairie trade. West. Canad. Soc. Hort. Rpt. Proc. 8:108. 1952. 82 W522

12964 KEYZER, R. DE. Our tree nursery inspection on new paths. (In Flemish.) Tuinbouwberichten 16:120-121. Aug.15,1952. 80 T817

12965 KRICK, R. T. Establishing the Hemerocallis section at the Royal Botanical Gardens, Hamilton, Canada. Hemerocallis Soc. Ybk. 6:65-67. 1952. 81 M583

12966 LIPP, L. F. Let's strike it right. Horticulture 30:424,437. Nov.1952. 80 H787
Plant propagation.

12967 MCCALLA, P. D. Horticultural societies in Alberta. West. Canad. Soc. Hort. Rpt. Proc. 8:105. 1952. 82 W522

12968 MOLL, O. Agrarunion und gartenbau. Schweiz. Gärtztg. 55(34):1-2. Aug.28,1952. 80 G1939

12969 MOLL, O. Der regiebetrieb eine gefahr für den erwerbsgartenbau. Schweiz. Gärtztg. 55(33):2-3. Aug.21,1952. 80 G1939

12970 MUZIK, T. J., and LA RUE, C. D. The grafting of large monocotyledonous plants. Science 116:589-591. Nov.28,1952. 470 Sci2

12971 PRICE, W. A., and TILSON, H. G. Some items of interest to Kentucky nurserymen. Ky. Agr. Expt. Sta. Regulat. B. 99,24 p. July 1952. 100 K41
The Kentucky Nursery Inspection Law and regulations and inspection of stock.

12972 REID, I. G., and BENNETT, L. G. Labour efficiency in horticulture. 2. Fruit-Grower 2969:945-947. Nov.20,1952. 80 F941

12973 ROBINSON, D. R. Saskatchewan horticultural societies. West. Canad. Soc. Hort. Rpt. Proc. 8:105-106. 1952. 82 W522

12974 ROWNTREE, L. Californians in the British Isles. Calif. Hort. Soc. J. 13:125-131. Oct.1952. 81 C1293
Botanical observations on British plants and gardens.

12975 RUTHERFORD, D. M. Catching up on desert horticulture. Calif. Citrog. 38(2):47,56-57. Dec.1952. 80 C125
San Bernardino Co., Calif.

12976 SCOTT, G. W. The seedsman scientist. West. Grower & Shipper 23(12):192,195. Nov.1952. 280.38 W52

12977 SLUIS, A. W. The "plant breeders resolution 1941" and the dangers to the horticultural seed trade connected with it. (In Dutch.) Zaadbelangen 6:183-185. Aug.30,1952. 61.8 Z1

12978 SMALLWOOD, N. W., comp. Commercial horticultural organizations of the United States and Canada. U. S. D. A. Libr. Libr. List 17,rev.,8 p. Sept. 1952. 1.916 L612

12979 SMALLWOOD, N. W., comp. Horticultural organizations of the United States and Canada. U. S. D. A. Libr. Libr. List 16,rev.,13 p. Sept.1952. 1.916 L612

12980 SOUTH DAKOTA STATE HORTICULTURAL SOCIETY. Forty-seventh and forty-eighth annual reports. Sioux Falls,1952. 32 p. 81 So86

12981 SUDELL, R. Practical gardening and food production in pictures. Rev. ed. London,Odhams,1952. 352 p. 90.3 Su2

12982 URE, C. R. Hardiness research problems in prairie Canada. West. Canad. Soc. Hort. Rpt. Proc. 8:31-36. 1952. 82 W522

12983 VERZILOV, V. F. A new field for utilizing growth substances of plants. (In Russian.) Priroda 41(8):111-115. Aug.1952. 410 P933
In transplanting trees.

12984 WEIR, F. J. Report of Manitoba horticultural societies. West. Canad. Soc. Hort. Rpt. Proc. 8:106-107. 1952. 82 W522

12985 WESTERN CANADIAN SOCIETY FOR HORTICULTURE. Report of proceedings of the eighth annual meeting, Lethbridge, Alberta, February 18-20,1952. n.p.,1952. 121 p. 82 W522

12986 WISER, J. C. Let's have higher standards in horticultural advertising. Horticulture 30:424. Nov. 1952. 80 H787

Fruits--General

12987 ASTREGO, J. J. Peach culture in France. II. (In Dutch.) Groenten en Fruit 8:168. Sept,11,1952. 80 G89

12988 BARRETT, H. C. and ARISUMI, T. Methods of pollen collection, emasculation, and pollination in fruit breeding. Amer. Soc. Hort. Sci. Proc. 59:259-262. June 1952. 81 So12

12989 BELOCHONOV, I. V. Rotation of crops in fruit nurseries. (In Czech.) Za Socialist. Zeměděl. 2: 444-446. Apr.1952. 19.5 Z1
Czechoslovakia.

12990 BELOCHONOV, I. V. Stages in the growth of fruit trees. (In Czech.) Za Socialist. Zeměděl. 2:446-448. Apr.1952. 19.5 Z1

12991 BENITEZ B., A. Propagación vegetativa de algunos frutales. Agr. Trop. 8(8):17-22. Aug.1952. 26 Ag8

12992 BLAIR, D. S. Trends in fruit research. West. Canad. Soc. Hort. Rpt. Proc. 8:9-12. 1952. 82 W522

12993 CHANASYK, V. Fruit trials at Beaverlodge. West. Canad. Soc. Hort. Rpt. Proc. 8:68-70. 1952. 82 W522

12994 DEBRUS, J. Création d'un verger. Cour. Hort. 14:491-493. Sept.1952. 80 C834

12995 DOBRILA, D. A. Standardization of fruit and vine planting material. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):8-11. Aug.1952. 21.5 V87

12996 EIPELDAUER, A. Der obstbaumschnitt in wort und bild. Wien,Verlag für Jugend und Volk,1952. 132 p. 93.5 Ei70

12997 HARGRAVE, P. D. Stratification practices with seeds for root stocks. West. Canad. Soc. Hort. Rpt. Proc. 8:62-63. 1952. 82 W522

12998 HILTON, R. J. Climatic influence on fruit propagation. West. Canad. Soc. Hort. Rpt. Proc. 8:63-65. 1952. 82 W522

12999 HOBBIS, E. Planning an orchard as a long-term rotation. Grower [London] 38:1083-1084. Nov.29, 1952. 286.83 M34

13000 KOBEL, F. 25 jahre kantonale Zentralstelle für Obstbau in Oeschberg-Koppigen. Schweiz. Z. f. Obst- u. Weinbau 61:475-477. Nov.15,1952. 80 Sch9

13001 LUQUE LOBOS, J. A. Exige cuidados la plantación de frutales en las zonas de regadio. Mundo Agr. 4(40):52-53. Sept.1952. 9 M92

13002 MARTIN LEBER, A. Variedades de frutales aconsejables para cultivar en el Delta de Buenos Aires. Argentina. Min. de Agr. y Ganad. Almanaque 26/27: 438-439. 1951/52. 9 Ag874

13003 MAURER, K. J. Fördernde, hemmende und neutrale gerüstbildner. Obst u. Gart. 7:131-132. Sept. 1952. 80 Ob75

13004 MAURER, K. J. Sortenwahl nach physiologischen und wirtschaftlichen gesichtspunkten. Reich der Landfrau 41:329-330. (Cont.) Oct.9,1952. 18 L2347
Fruit in Germany.

13005 NONNECKE, I. L. Fruit investigations at Lethbridge. West. Canad. Soc. Hort. Rpt. Proc. 8:65-67. 1952. 82 W522

13006 OBERLE, G. D., and GOERTZEN, K. L. A method for evaluating pollen production of fruit varieties. Amer. Soc. Hort. Sci. Proc. 59:263-265. June 1952. 81 So12

13007 OPLT, J., and BRABEC, S. Propagation of fruit trees on their own roots. (In Czech.) Za Socialist. Zeměděl. 2:432-437. Apr.1952. 19.5 Z1
Czechoslovakia.

13008 PICAZA, J. DE. Embolsado de frutos en el arbol. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 9-52 H,12 p. May 1952. 15 H68

13009 SCASSO, J. M. Poda de frutales. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:397-400. 1951/52. 9 Ag874

13010 SCHMID, W. Eindrücke von einer obstbaulichen exkursion in den Kanton Luzern. Schweiz. Z. f. Obst- u. Weinbau 61:454-456. Nov.1,1952. 80 Sch9

13011 SLAVIK, D. Patterns for advancement of fruit growing in Macedonian Peoples Republic. (In Serbo-Croatian.) Socijalisticko Zemjodelstvo 4(5):12-20. May 1952. 280.28 So7

13012 STEPHAN, F. Beihilfen für musterobstgärten. Bauer 5(34):3-5. Oct.4,1952. 19 B32
Culture in Austria.

13013 TEŠIĆ, M. B. Summer grafting. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):12-14. Aug.1952. 21.5 V87

13014 TOKAR', L. O. Selection of fruit and berry varieties for forest belts. (In Russian.) Les i Step' 4(7): 11-18. July 1952. 99.8 L565

13015 ULLSTROM, K. E. Fruit yields 1951. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 4:101-103. 1952. 86 Sv2F

13016 URE, C. R. Fruit propagation studies at Morden. West. Canad. Soc. Hort. Rpt. Proc. 8:52-61. 1952. 82 W522

13017 WENGER, W. 25 jahre Obstbauzentrale Oeschberg. Grüne 80:1244-1246. Nov.1952. 17 Sch9

13018 ZIKA, K. Fruit culture on Czech Governmental estates. (In Czech.) Za Socialist. Zemédél. 2:418-423. Apr.1952. 19.5 Z1

13019 ZIKA, K. Fruit trees along the wayside. (In Czech.) Za Socialist. Zemédél. 2:449-450. Apr.1952. 19.5 Z1
Czechoslovakia.

Fruits--Citrus and Subtropical

13020 AGHARKAR, S. P., and ROY, B. On the origin and distribution of cultivated mangoes. (Abs.) Indian J. Genet. & Plant Breeding 11:48, June 1951. 64.8 In2

13021 AGHARKAR, S. P., and GOVINDASWAMI, S. Origin of the genus Musa and the cultivated varieties of banana. (Abs.) Indian J. Genet. & Plant Breeding 11:47. June 1951. 64.8 In2

13022 BHATTACHARYA, S. C., and DUTTA, S. Citrus varieties of Assam. Indian J. Genet. & Plant Breeding 11:57-62. Ref. June 1951. 64.8 In2

13023 BONTEMPO, E. Unknown variety of olive: the Molise "Noccioluta." (In Italian.) Gior. di Agr. 62:344. Nov.9,1952. 16 It1G

13024 CHAKRAVORTI, A. K. Origin of cultivated bananas of south east Asia. Indian J. Genet. & Plant Breeding 11:34-46. Ref. June 1951. 64.8 In2

13025 CHANDRARATNA, M. F. The origin of cultivated races of banana. Indian J. Genet. & Plant Breeding 11:29-33. Ref. June 1951. 64.8 In2

13026 EADY, C. Contour planting of bananas. Agr. Gaz. N. S. Wales 63:485-489. (Cont.) Sept.1952. 23 N472

13027 EVANS, H. R. Pineapple propagation. East African Agr. J. 17:179-182. Apr.1952. 24 Ea74

13028 GOPALAN, K. Coconut plantations. Indian Cent. Coconut Comt. B. 5:121-124. Mar.1952. 77.9 In292

13029 GOPALAN, K. More coconuts. Indian Farming (n.s.)2(7):20-21. Oct.1952. 22 In283

13030 GOWDA, M. C. M. The cultivation of avocado pear in Mysore State. Mysore Agr. J. 28:1-7. Jan./June. 1952. 22 M993

13031 HARENBERG, W. Verdelli-zitronen. Obst u. Gemüse 4:920-921. Sept.18,1952. 286.83 Ob72

13032 HARTMANN, H. T. Further studies on the propagation of the olive by cuttings. Amer. Soc. Hort. Sci. Proc. 59:155-160. June 1952. 81 So12

13033 HARTMANN, H. T. Spray thinning of olives with naphthaleneacetic acid. Amer. Soc. Hort. Sci. Proc. 59:187-195. June 1952. 81 So12

13034 KERNS, K. R., and COLLINS, J. L. Variability in quantitative characters of the Cayenne pineapple. (Abs.) Hawaii. Acad. Sci. Proc. 27:6. 1952. 500 H31A

13035 LAWRENCE, F. P. For dooryard citrus growers; neglect kills fewer trees than over-care. Fla. Grower 60(8):6. Aug.1952. 80 F6622

13036 LEMAISTRE, J. Le système radiculaire du goyavier et de quelques autres arbres fruitiers tropicaux. Fruits 7:435-436. Oct.1952. 80 F9492

13037 LEON, J. DE. Citrus growing progresses through the aid of the Bureau of Plant Industry. Agr. & Indus. Life 14(9):15. Sept.1952. 25 Ag8
In the Philippines.

13038 MARUN, J. J. Propagación del olivo; elección y preparación de la semilla. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:375-376. 1951/52. 9 Ag874

13039 MENON, H. B. La piña, cultivo racional, industrialización y usos. Agr. Costarricense 10:231-235,237-238. (Cont.) Oct.1952. 8 Ag895

13040 MENON, K. P. V. Kalpavriksha. Indian Cent. Coconut Comt. B. 5:143-146. Apr.1952. 77.9 In292
Coconut palm.

13041 MONTSERIN, B. G. The cultivation of bananas and plantains. Agr. Soc. Trinidad & Tobago. Proc. 52:242-268. June 1952. 8 T73

13042 MOORE, P. No trees—no crop. Calif. Citrog. 38(2):70-72. Dec.1952. 80 C125
Replacing trees in citrus orchard.

13043 MOORE, P. W. So you are changing to avocados. Calif. Citrog. 38(2):48,62-63. Dec.1952. 80 C125

13044 MUKHERJEE, S. K. The origin of mango. Indian J. Genet. & Plant Breeding 11:49-56. Ref. June 1951. 64.8 In2

13045 PARSAI, P. S. Top working of inferior type of mango trees to superior varieties. Nagpur Agr. Col. Mag. 26:1-3. 1951/52. 107.5 N132

13046 RENAUD, M. Evolution de la technique culturale de l'olivier. Fruits et Primeurs de l'Afrique du Nord 22:299-303. July/Aug.1952. 80 F9482

13047 SOUSA, J. S. I. DE. Brazilian olive trees that bear olives. (In Portuguese.) Chacaras e Quintais 86: 241-242. Aug.15,1952. 9.2 C34

13048 TICO, L. La naranja, su cultivo y abonado. Siembra [Madrid] 8(7):22-24. July 1952. 15 Si1
Spain.

13049 TRINIDAD. DEPT. OF AGRICULTURE. Backyard citrus. Port of Spain?1952? 3 p. 93.33 T73B

13050 TSULAIA, V. I. Characteristics of lemons cultivated in dug-outs. (In Russian.) Agrobiologiia 5: 120-123. Sept./Oct.1952. 20 Ag822

13051 VINSOT, J. Considérations d'un planteur sur les problèmes de l'ananas frais. Fruits 7:436-438. Oct.1952. 80 F9492
Includes marketing.

13052 WALLACE, A., and others. The rootstock-scion influence on the inorganic composition of citrus. Amer. Soc. Hort. Sci. Proc. 59:133-142. Ref. June 1952. 81 So12
C. J. Naude, R. T. Mueller, and Z. I. Zidan, joint authors.

13053 WILLIAMS, E. P. Passion fruit species. Queensland Fruit & Veg. News 2(44):22-23. Sept.12,1952. 280.38 Q3

13054 ZITO, F. The kaki persimmon crisis and selection of fruit varieties within the framework of problems of the industry. (In Italian.) Gior. di Agr. 62: 343. Nov.9,1952. 16 It1G

Fruits--Deciduous

13055 ASTREGO, J. J. Peach culture in France. III. (In Dutch.) Groenten en Fruit 8:205. Sept.25,1952. 80 G89

13056 BAUDEWIJN, J. Plant systems and distances. (In Flemish.) Tuinbouwberichten 16:119-120. Aug.15, 1952. 80 T817
Fruit.

13057 BIANCHI, D. La Explotación del manzano. XX-XXII. Uruguay. Min. de Ganad. y Agr. B. Inform. 426:13; 428:13; 429:11. July 31,Aug.13-21,1952. 9.9 G15B

13058 BOĬKOV, D., and ZAKHOV, T. Vishnia i cheresha [Sweet and sour cherry]. Sofiia,Zemizdat,1951. 162 p. 93.32 B63

13059 BROWN, D. S. Climate in relation to deciduous fruit production in California. IV. Effect of the mild winter of 1950-51 on deciduous fruits in northern California. Amer. Soc. Hort. Sci. Proc. 59:111-118. June 1952. 81 So12

13060 BUSH, R. Some fruit-growing problems. Country Life [London] 112:1556-1557. Nov.14,1952. 80 C83
Deciduous fruit.

13061 CANISIUS, J. J. Harvesting of hard fruit. (In Dutch.) Fruitteelt 42:691. Sept.18,1952. 86 N28

13062 DEKKER, P. Best fruit a requirement of the times. (In Flemish.) Cult. en Handel 18:568-570. Oct. 1952. 80 C892

13063 DEKKER, P. What apple varieties deserve to be planted? (In Flemish.) Cult. en Handel 18:505-507. Sept.1952. 80 C892

13064 DEVIATOV, A. S. On the mentor effect of scions on rootstocks of adult apple trees. (In Russian.) Agrobiologiia 5:75-79. Sept./Oct.1952. 20 Ag822

13065 DULLUM, N. Erhvervsfrugtavl. Rapport fra en studierejse i U.S.A. i 1950 [Commercial fruit growing. Report from a study trip in U.S.A. in 1950]. København, Udenrigsministerium,1951. 21 p. (Teknisk Bistand under Marshall-Planen) 93.21 D88

13066 EVREINOFF, V. A. L'abricotier; espèces spontanées, sélection et observations biologiques. Fruits 7:417-423. Ref. Oct.1952. 80 F9492

13067 GREEN, L. Vertical and oblique cordons. (In Swedish.) Trädgårdstidningen 24(9):5-6. Sept.1952. 80 T67

13068 HEYMAN, J. The pear: Doyenne du Comice. (In Flemish.) Cult. en Handel 18:564-568. (Cont.) Oct.1952. 80 C892

13069 HIELE, T. VAN. Harvesting and storage of fruit. (Excerpts.) (In Dutch.) Fruitteelt 42:706-707. Sept.25,1952. 86 N28
Apples.

13070 HIEMELEERS, J. Care of our farm orchards. (In Flemish.) Tuinbouwberichten 16:134-135. Sept.15, 1952. 80 T817

13071 KRAMER, C., and POST, J. J. The climate of Belgium in connection with vegetable and fruit culture. (In Dutch.) Groenten en Fruit 8:205-206. Sept.25,1952. 80 G89

13072 KURSAKOV, G. A. Grafting of [apple] root cuttings. (In Russian.) Agrobiologiia 5:118-120. Sept./Oct.1952. 20 Ag822

13073 LANGEVELD, D. W. The black water rat and its control. (In Dutch.) Fruitteelt 42:777-778. Oct.23, 1952. 86 N28
Fruit damage.

13074 MEYER, A. Wann ist die nordwestschweizerische kirschenernte 1952 zu erwarten? Schweiz. Z. f. Obst- u. Weinbau 61:478-480. Nov.15,1952. 80 Sch9

13075 MODAI, S. Stalks for stonefruits. (In Hebrew.) Hassadeh 32:531-535. Aug./Sept.1952. 26 H27

13076 MORETTINI, A. Die neuen in italien gezüchteten pfirsichsorten Morettini. (Extr.) Obst. u. Gemüse 4:917-918. Sept.18,1952. 286.83 Ob72

13077 MORISSET, P. Les mulots n'ont pas de pitié pour les pommiers. B. des Agr. 34(10):12-13. Oct. 1952. 7 B872

13078 MORRISON, C. F. Your best is none too good. Idaho State Hort. Soc. Trans. 1951:40-44. 81 Id12
Fruit culture in Washington.

13079 ØHLERS, H. Impressions and observations on the trip to Holland. (In Danish.) Erhvervsfrugtavleren 19:14-16. Oct.1,1952. 80 Er3
Fruit culture in Holland.

13080 PASSECKER, F. Wie steht es jetzt mit dem St.-Pauler-weinapfel? Obst u. Gart. 7:134-135. Sept. 1952. 80 Ob75

13081 PIROVANO, A. "Porporata," a new pear variety. (In Italian.) Terra e Sole 122:337-338. Oct. 1952. 16 T273

13082 POST, J. J. Climate and picking date of fruit. (In Dutch.) Fruitteelt 42:704-705. Sept.25,1952. 86 N28
Apples.

13083 RICKLI, E. Ein streifzug durch oberitalienische pfirsichkulturen. Obst u. Gemüse 4:934,936-937. Sept.18,1952. 286.83 Ob72

13084 ROBERTS, R. H. Pruning Golden Delicious to secure good apple size. Amer. Soc. Hort. Sci. Proc. 59:184-186. June 1952. 81 So12

13085 SPRENG, F. Förderung des tafelkirschenanbaues. Schweiz. Z. f. Obst- u. Weinbau 61:477-478. Nov. 15,1952. 80 Sch9

13086 TIKHONOV, N. N. Appearance of pear-like fruits on apple trees. (In Russian.) Agrobiologiia 5:117-118. Sept./Oct.1952. 20 Ag822
Probably due to climatic conditions in Siberia.

13087 TONNER, R. Die geschichtliche entwicklung des viezobstanbaues an der Mosel. Trier, Institut für Agrarpolitik und Marktforschung der Universität Bonn, 1951. 40 p. Ref. 93.26 T61

13088 TURNBULL, J. Twenty years of Cox's orange pippin; why some growers get twice as much as others. Grower [London] 38:1138-1139. Dec.6,1952. 286.83 M34

13089 VEN'IAMINOV, A. N. Clonal selection of cherries. (In Russian.) Agrobiologiia 5:45-58. Sept./Oct.1952. 20 Ag822

13090 VERBOND DER FRUITKWEKERS VAN OOST-VLAANDEREN. Laxton Epicure. (In Flemish.) Tuinbouwberichten 16:136. Sept.15,1952. 80 T817

13091 VERNER, L. Idared and Idajon apples. Idaho State Hort. Soc. Trans. 1952:26-27. 81 Id12

Fruits--Small

13092 BABAK, V. S., ZALOZH, F. K., KHRUSTALEVA, F. E. Our methods of caring for grapes. (In Russian.) Vinodel. i Vinograd. 4:13-16. Apr.1952. 95.8 V77

13093 BARSKIĬ, IA. S. Increasing the fruitfulness of grape vines. (In Russian.) Vinodel. i Vinograd. 4:59-60. Apr.1952. 95.8 V77

13094 BAUER, W. Kleine rebsortenkunde. Osterr. Weinztg. 7:118. (Cont.) Sept.25,1952. 390.8 Os7

13095 BERRY-SMITH, F. Viticulture. New Zeal. Dept. Agr. B. 354,72 p. 1952. 23 N48Bu

13096 BICK, F. Spezialbericht uber den anbau von talfeltrauben. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p. 183-186. Hoeilaart, Gemeentehuis,1951. 95.09 In82

13097 BIRK, H. Der derzeitige stand der tafeltraubenkultur in Deutschland. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.87-90. Hoeilaart, Gemeentehuis,1951. 95.09 In82

13098 BOGOLIUBOV, V. V. Superior agricultural technique, proper organization of work. (In Russian.) Vinodel. i Vinograd. SSSR 3:9-12. Mar.1952. 95.8 V77

13099 BOXALL, H. G. Grape growing in Worthing. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.173-174. Hoeilaart,Gemeentehuis,1951. 95.09 In82

13100 BROUN, M. M., NAĬDENOV, L. N., and MALTABAR, L. M. The "Denevitsa" nursery sovkhoz. (In Russian.) Vinodel. i Vinograd. SSSR 3:54-56. Mar. 1952. 95.8 V77
Grape culture.

13101 BRUMEN, M. Let's improve the grapevine production and the quality of cuttings. (In Slovenian.) Sadjarstvo Vinarstvo Vrtnarstvo 4:109-115. Apr.1952. 21.5 Sa1

13102 CLAIR, E. Raisins de table hybrides et métis; l'Italia. Réveil Agr. 61:289-290. Oct.1,1952. 14 R322

13103 CLAVERIE, P. A. Au sujet de l'origine de certains cépages français. Terre d'Oc 34:342-349. Sept.1952. 14 Ar5

13104 DALMASSO, G., and COSMO, I. Investigations on grape strains grown in Italy. (In Italian.) Ann. della Sper. Agr. (n.s.)6(5,sup.),29 p. 1952. 16 An76

13105 DARROW, G. M. Breeding of small fruits in the United States. Sci. Mon. 75:288-297. Nov.1952. 470 Sci23

13106 DU PLESSIS, S. J. Viticulture in the Union of South Africa. Brit. Agr. B. 5:229-234. Ref. Nov.1952. 10 B776

13107 FELFAU, R. Le problème de l'affinité greffon—porte-greffe. Réveil Agr. 61:305-306. (Cont.) Oct.15,1952. 14 R322
Grapes.

13108 FILMER, R. S., and DOEHLERT, C. A. Use of honeybees in cranberry bogs. Cranberries 17(7):8-9. Nov.1952. 80 C852

13109 GEMEREN, F. VAN. Summer planting of strawberries. (In Dutch.) Groenten en Fruit 8:95. July 31,1952. 80 G89

13110 GEVORKIAN, A. M. Shortening the time until grape vines come into bearing. (In Russian.) Vinodel. i Vinograd. 4:36-38. Apr.1952. 95.8 V77

13111 GIRARD, P. J. The grape industry in Guernsey. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.103-106. Hoeilaart,Gemeentehuis,1951. 95.09 In82

13112 GOLDSCHMIDT, E. Deutschlands weinbauorte und weinbergslagen. Ed. 6. Mainz,1951. 263 p. 95.3 G57

13113 GONZALEZ, C. Instrucciones para plantar las parras. Agr. Trop. 8(8):23-25. Aug.1952. 26 Ag8

13114 GRIEBL, H. Gärtenmässige kultur der himbeere. Osterr. Imker 2:172-173. (Cont.) Oct.1952. 424.8 Os7

13115 GROENEVELD, C. Care of strawberries. (In Dutch.) Betuws Tuinbouwbl. 10(13):6. Sept.6,1952. 80 B464

13116 HALL, C. J. I put by my chart and glass, took to raising cranberry sass. Cranberries 17(7):10,12-16. Nov.1952. 80 C852
History

13117 HARMON, F. N., and SNYDER, E. Comparative value of three rootstocks for seventeen Vinifera grape varieties. Amer. Soc. Hort. Sci. Proc. 59:147-149. June 1952. 81 So12

13118 HEUCKMANN, W. Grundlagen zur technik der rebenveredlung. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.177-179. Hoeilaart, Gemeentehuis,1951. 95.09 In82

13119 HUSFELD, B. Erzeugung von neuen rebenarten—methoden und ergebnisse. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.189-192. Hoeilaart, Gemeentehuis,1951. 95.09 In82

13120 HYAMS, E. S. Grapes under cloches. London,Faber & Faber,1951. 133 p. 95.3 H99G

13121 INTERNATIONAAL CONGRES VAN DE TAFELDRUIF, HOEILAART, 1951. Verslagen en notulen, Rapports et comptes-rendus, Hoeilaart (België) 28-29 September 1951. Hoeilaart,Gemeentehuis,1951. 197 p. 95.09 In82

13122 KELAREV, M. P. Accelerated method for growing seedlings. (In Russian.) Vinodel. i Vinograd. SSSR 3:30-31. Mar.1952. 95.8 V77

13123 KING, A. P. The strawberry certification scheme explained. Grower [London] 38:985,987,989. Nov.15,1952. 286.83 M34

13124 KUZ'MIN, A. IA. Changing time of ripening and quality of seedling grape crop. (In Russian.) Vinodel. i Vinograd. 4:34-36. Apr.1952. 95.8 V77

13125 LANDRY, C. F. Calendrier de la vigne et du vin. Zurich,Off. de Propagande pour les Produits de l'Agriculture Suisse,1951. 109 p. 95 L23

13126 LEVADOUX, L. Particularité de la culture des raisins de table. Agriculture [Paris] 16:225-226. Sept.1952. 14 Ag823

13127 LOOMIS, N. H. Effect of fourteen rootstocks on yield, vigor, and longevity of twelve varieties of grapes at Meridian, Mississippi. Amer. Soc. Hort. Sci. Proc. 59: 125-132. Ref. June 1952. 81 So12

13128 LUQUE, J. A. El amugronamiento o "amugronado" en la vid. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:104-107. 1951/52. 9 Ag874
Propagation method.

13129 LUQUE, J. A. Calendario agricola de la vid. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:411-415. 1951/52. 9 Ag874

13130 MCINTYRE, W. Growing better raspberries. (Sum.) Grower [London] 38:881,883. (Cont.) Nov.1, 1952. 286.83 M34

13131 MAGER, M. I. Effective method for upkeep of vineyards. (In Russian.) Vinodel. i Vinograd. 4:39-41. Apr.1952. 95.8 V77

13132 MANZONI, G. Determination of some variables on the vine self-bearers. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1271-1287. 1952. 16 An76
English summary.

13133 MARNEFFE, R. DE., and DELHAYE, R. Resultats des essais pratiques à la Station Provinciale des Recherches de Viticulture, a La Hulpe, pour l'obtention de varietes nouvelles. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.97-100. Hoeilaart, Gemeentehuis,1951. 95.09 In82

13134 MEL'NIK, N. M. Growing seedlings in northern grape-growing regions. (In Russian.) Vinodel. i Vinograd. SSSR 3:32-34. Mar.1952. 95.8 V77

13135 MUSAMUKHAMEDOV, R. Formation and pruning of grapevines. (In Russian.) Kolkhoz. Proizvodstvo 12(10):59-60. Oct.1952. 281.8 K83

13136 O'ROURKE, F. L. The influence of the position of the basal cut on rooting of hardwood cuttings of blueberry. Amer. Soc. Hort. Sci. Proc. 59:153-154. June 1952. 81 So12

13137 O'ROURKE, F. L. Propagation studies with the low dryland blueberry, Vaccinium vacillans Torr. Amer. Soc. Hort. Sci. Proc. 59:150-152. June 1952. 81 So12

13138 PARFENOV, T. T. Experiment in grape culture in the Saratov Region. (In Russian.) Vinodel. i Vinograd. 4:42-44. Apr.1952. 95.8 V77

13139 PIROVANO, A. Production de nouvelles varietes de raisins de table. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.75-78. Hoeilaart, Gemeentehuis,1951. 95.09 In82

13140 ROME. ISTITUTO DI FRUTTICOLTURA E DI ELETTROGENETICA. Nuove uve italiane [New Italian grapes]. Roma,Menaglia,1951. 110 p. 95.1 R66

13141 ROSHCHIN, I. L. Maintaining vineyards by means of green cuttings. (In Russian.) Vinodel. i Vinograd. 4:41-42. Apr.1952. 95.8 V77

13142 ROSHCHIN, I. L. New way to fight spring frosts. (In Russian.) Vinodel. i Vinograd. SSSR 3:47. Mar.1952. 95.8 V77
Petroleum burned in shallow ditches for frost prevention.

13143 SCHRIJVER, L. DE. Control of maturity in grapes. (In Dutch.) In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.163-171. Hoeilaart, Gemeentehuis,1951. 95.09 In82
French summary.

13144 SCHUBERT, V. Strawberry culture on large plots of land. (In Czech.) Za Socialist. Zeměděl. 2:816-820. July 1952. 19.5 Z1
Czechoslovakia.

13145 SHURKOV, T. Artificial pruning of vines is not suitable for our vine-growing districts. (In Serbo-Croatian.) Socijalisticko Zemjodelstvo 4(5):40-42. May 1952. 280.28 So7
Yugoslavia.

13146 SIBASHVILI, Z. G. New method for pollination of grapes in hybridization. (In Russian.) Vinodel. i Vinograd. SSSR 3:34-35. Mar.1952. 95.8 V77

13147 SLATE, G. L. and KLEIN, L. G. Black raspberry breeding. Amer. Soc. Hort. Sci. Proc. 59:266-268. June 1952. 81 So12

13148 SNYDER, E. Production of new vinifera table grapes by breeding. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.81-84. Hoeilaart, Gemeentehuis,1951. 95.09 In82

13149 TABIDZE, D. I. New Georgian grape varieties. (In Russian.) Vinodel. i Vinograd. SSSR 3:36-41. Mar. 1952. 95.8 V77

13150 TOMKINS, J. Balanced pruning of grapes. Queensland Fruit & Veg. News 2(31):15-17. June 13, 1952. 280.38 Q3

13151 VIDAL, R. A. Grape without rival. (In Portuguese.) Agros [Lisboa] 35:228-230. July/Oct.1952. 15.5 Ag82
Description of a grapevine in Spain of unusual size and with unusual yields.

13152 WELLINGTON, R. Five promising new grapes—two of them seedless. Farm Res. [N. Y. State Sta.] 18(4):12-13. Oct.1952. 100 N48A

13153 YOUNG, R. S. Growth and development of the blueberry fruit (Vaccinium corymbosum L. and V. angustifolium Ait.). Amer. Soc. Hort. Sci. Proc. 59:167-172 June 1952. 81 So12

Nuts

13154 BAISCH, F. Nuts and nut culture. Idaho State Hort. Soc. Trans. 1951:6-8. 81 Id12

13155 BALASHOV, P. K. Nuts in the area of dry steppes on buried Chestnut soils. (In Russian.) Lesn. Khoz. 5(4):27-29. Apr.1952. 99.8 L5622

13156 CHEVALIER, A. Sur une variété spontanée d'amandier spéciale à l'Afrique du Nord et les hybrides d'Amandier-Pêcher. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:385-387. July/Aug.1952. 26 R323

13157 FILMAN, O. Nut growing in Canada. Family Herald & Wk. Star 83(41):7,57. Oct.9,1952. 7 F21
Includes new hardy varieties.

13158 KROTKEVICH, P. G. Nut culture on irrigated lands. (In Russian.) Les i Step' 5:38-41. May 1952. 99.8 L565

13159 MARTIN LEBER, A. Excelente es el nogal pecan para el Delta. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:109-112. 1951/52. 9 Ag874
Culture.

13160 OLENIUK, N. A. Introduction of walnuts [Juglans regia] into the forest crops. (In Russian.) Lesn. Khoz. 5(4):30. Apr.1952. 99.8 L5622

13161 OLIFIRENKO, N. L. Wider inclusion of nut species. (In Russian.) Les i Step'4(7):52-54. July 1952. 99.8 L565
Windbreaks.

13162 SLIUSAREV, V. T. Growing pecan nuts in southern regions. (In Russian.) Les i Step' 3:59-61. Mar.1952. 99.8 L565

Shade Trees and Ornamental Plants

13163 ABERCONWAY, LORD. Gardens without flowers. Roy. Hort. Soc. J. 77:392-393. Nov.1952. 84 L84J

13164 ADDISON, G. H., and HENDERSON, M. R. Singapore hybrid orchids. Orchid Rev. 60:174-176. Nov.1952. 80 Or15

13165 ADE, A. Die zierpflanzen und sträucher auf dem Stuppacher madonnenbild v. Matthias Grünewald, um 1520. Aschaffenburg. Natwiss. Mus. Nachr. 35:47-48. May 1952. 409.6 As2

13166 AHLGREN, G. H., and ENGEL, R. E. Spring care of established lawns. N. J. Agr. Expt. Sta. C. 524, 4 p. Feb.1952. 100 N46S

13167 ALLEN, P. H. Telipogon endresianum Kranzl. Orchid J. 1:292-293. July/Aug.1952. 80 Or174

13168 ALLEN, R. C. What's new in roses. Amer. Rose Mag. 10(10):18-19. Oct.1952. 80 Am327A

13169 AMALIA, K. F. Horse sense about tree care. Horticulture 30:420,439. Nov.1952. 80 H787

13170 AMELINCKX, F. Harvesting, treatment, storage and planting of tree seeds. (In Flemish.) Cult. en Handel 18:526-528. Sept.1952. 80 C892

13171 BACHER, J. G. Gardens for Alaska. Amer. Rhododendron Soc. Q. B. 6:182-184. Oct.15,1952. 81 Am398

13172 BALTHIS, F. K. Plants for the little conservatory. Gard. J. 2:173,186. Nov./Dec.1952. 80 G1635

13173 BANGHART, E. H. Larger leaved Cotoneasters. Arboretum B. 15(3):7-8,32-33. Fall 1952. 451 Ar1

13174 BASTELEUS, R. On en parle depuis 300 ans; la duplicature des giroflées. Cour. Hort. 14:479-481. Sept.1952. 80 C834

13175 BELENGER, E. Ginkgo biloba. B. Hort. (n.s.) 7:288-290. Oct.1,1952. 80 B873

13176 BERGE, J. S. Vandas. Austral. Orchid Rev. 17:93-94. Sept.1952. 80 Au73

13177 BLACKBURN, B. The black-alder [Ilex verticillata]. Pop. Gard. [Albany] 3(12):30-31,45. Dec.1952. 80 P812

13178 BOWLING, J. L. Brazilian Laelias. Natl. Capital Orchid Soc. B. 6:30-33. Sept.1952. 81 N2122

13179 BRADLEY, C. Camellias—with a new look. South. Florist & Nurseryman 65(33):98,100. Nov.7,1952. 80 So86

13180 BREDDY, N. C. The asymbiotic raising of orchid seedlings. Austral. Orchid Rev. 17:99-100. (Cont.) Sept.1952. 80 Au73

13181 BROEN, M. La Anemona es una flor de atractiva belleza en los jardines y para adorno en interiores. Mundo Agr. 4(40):29-30. Sept.1952. 9 M92

13182 BROOKE, J. The flower in season: a calendar of wild flowers. London,Bodley Head,1952. 160 p. 90.52 P79

13183 BROWN, J. F. Hurdles for the amateur orchidist. Orchid J. 1:261-264. July/Aug.1952. 80 Or174

13184 BUCK, W. Q. Colchicine as a tool in breeding. Hemerocallis Soc. Ybk. 5:33-34. 1951. 81 M583

13185 BURES, O. Growing orchids in Czechoslovakia. Orchid J. 1:271-272. July/Aug.1952. 80 Or174

13186 BURR, H. B. My experiences with seeds and seedlings. Mega 12(4):22-23. Sept.1952. 90.32 M52B

13187 CALDER, J. R. L. Camellias in Australia. Camellia Rev. 14:18-19. Oct.1952. 97.31 So82

13188 CALVINO, E. M. Zinnias of yesterday and today. (In Italian.) Italia Agr. 89:683-689. Oct.1952. 16 It1
Varieties.

13189 CARRA, P., and THEAU, A. Travaux du Jardin d'Essai du Hamma sur le Strelitzia reginae. Rev. Hort. de l'Algérie 56:222-234. Aug./Sept.1952. 87 R32

13190 CARRA, P. Travaux sur Narcisses entrepris au Jardin d'Essai du Hamma. Rev. Hort. de l'Algérie 56: 202-206. June/July 1952. 87 R32

13191 CARRIER, L. E. Low temperature tolerance of rose plant portions as influenced by their diameter and postion in the plant. Amer. Soc. Hort. Sci. Proc. 59:501-508. June 1952. 81 So12

13192 CATES, J. M. Success with Aurelian lilies. Calif. Hort. Soc. J. 13:138-141. Oct.1952. 81 C1293

13193 CAVE; N. L. Blue Irises. New Zeal. Iris Soc. B. 6:3-5. Sept.1951. 96.45 N48

13194 CAVE, N. L. Medium and deep blue Irises. New Zeal. Iris Soc. B. 7:7-9. Mar.1952. 96.45 N48

13195 CHALTIN, G. Plantes ornementales mellifères Cour. Hort. 14:499-500. Sept.1952. 80 C834

13196 CHATHAM, K. H. Cyrtopodiums are showy. Orchid J. 1:336-337. Sept.1952. 80 Or174

13197 CLARKE, D. A garden on gravel. Gard. Illus. 69(12):306-307. Dec.1952. 80 G169

13198 CLARKE, J. H. Some trends in the development of the Knap Hill Azaleas. Amer. Rhododendron Soc. Q. B. 6:179-181. Oct.15,1952. 81 Am398

13199 CORLISS, P. G. One man's opinion. Hemerocallis Soc. Ybk. 6:56-60. 1952. 81 M583
Selection of varieties for superior performance.

13200 CORLISS, P. G. Promising new daylilies. Hemerocallis Soc. Ybk. 5:39-41. 1951. 81 M583

13201 COUNCILMAN, E. C. Plan winter grafts now. Camellia Rev. 14:10,14. Oct.1952. 97.31 So82

13202 COUTINHO, M. C. P. Aspects of the preservation of old trees. (In Portuguese.) Agros [Lisboa] 35:217-227. Ref. July/Oct.1952. 15.5 Ag82

13203 CRAN, H. J., JR. The unfolding of a master street tree plan in New Haven. Conn. Woodlands 17:55-56. Sept.1952. 99.8 C76

13204 CURTIS, C. H. The common myrtle [Myrtus communis]. Gard. Chron. 132:174-175. Nov.1,1952. 80 G162

13205 DANIEL, W. H., and others. The lawn, its making and maintenance. Purdue. U. Agr. Ext. B. 254, rev.,19 p. Aug.1952. 275.29 In2E
R. B. Hull, O. C. Lee, and E. G. Sharvelle, joint authors.

13206 DARLING, H. Planting new greens. Golf Course Rptr. 20(5):22-24. Sept./Oct.1952. 60.18 G83

13207 DAVIÐSSON, I. 90%-100% double crowned stocks. (In Icelandic.) In Islenska Gardyrkjufjelag. Gróðurhúsabokin, p.105-106. Reykjavik,1951. 91 Is4
Stock culture in Norway and Denmark.

13208 DECKER, J. S. Floricultura [Floriculture]. Ed. 2, rev. São Paulo,Melhoramentos,1951? 228 p. Biblioteca Criação e Lavoura 8) 96.04 D352

13209 DEKKER, P. Flower culture on the Riviera. (In Flemish.) Cult. en Handel 18:574-576. Oct.1952. 80 C892

13210 DIX, J. F. C. Spring flowering Crocus species. Zaad-, Bloem- en Bollenwereld 16:323,325. Aug.1952. 61.8 Z12

13211 DOUGLAS, G. Hitch your wagon to a star. Hemerocallis Soc. Ybk. 6:53-54. 1952. 81 M583
Breeding.

13212 DUTTON, W. S. What a crazy way to grow flowers! Sat. Evening Post 225(22):30-31,58-59,61-62. Nov.29,1952. 110 Sa8

13213 EARP, D. D. A "living fence". Reclam. Era 38:260-261,268. Nov.1952. 156.84 R24
Multiflora rose.

13214 EASTWOOD, T. Forcing Creole lilies at different levels of soil nitrate. Amer. Soc. Hort. Sci. Proc. 59:531-541. June 1952. 81 So12

13215 EMSWELLER, S. L. Lilies—for Maryland gardens. Md. Gard. 6(9):6-7. Sept.1952. 80 M362

13216 ENE DE PIRO, M. Les oeillets remontants: le marcottage. Réveil Agr. 61:294-295. Oct.1,1952. 14 R322

13217 ENGLISH, C. S., JR., and others. The raising of Rhododendrons from seed. Arboretum B. 15(3):12-14. 25. Fall 1952. 451 Ar1
E. H. English, J. F. Caperci, W. R. Hill, and L. E. Brandt, joint authors.

13218 FIGUEIREDO, E. R. DE. Floricultura Brasileira. e. Roseiras e rosas [Brazilian floriculture. 4. Rose bushes and roses]. Sao Paulo,Chacaras e Quintais,1951. 60 p. 96 R612

13219 FLORY, J. R. S. Plant Pennsylvania with Ericaceous plants. Pa. Forests 37:76-77. July/Sept. 1952. 99.8 F763

13220 FOOTE, G. B. Distribution of orchids in India and Ceylon and note on their culture.(Abs.) Indian J. Genet. & Plant Breeding 11:88. June 1951. 64.8 In2

13221 FORSBERG, J. L. Dry your Gladiolus corms. Canad. Florist 47(21):15-16. Oct.11,1952. 80 C163

13222 FREE, M. What about the background against which you see your perennial garden? Beyond the border. Home Gard. 20(6):52-55. Dec.1952. 80 H756

13223 GEEL, J. D. W. VAN. Forcing bulbs into flower with the aid of artificial light. Zaad-, Bloem- en Bollenwereld 16:361,363. Sept.1952. 61.8 Z12

13224 GILBERT, P. A. Potting receptacles—large or small? Austral. Orchid Rev. 17:95-96. Sept.1952. 80 Au73

13225 GLENNY, G. The Camellia japonica. IV. Propagating by cutting. Camellia Rev. 14:12-13,16-17. Oct.1952. 97.31 So82

13226 GOSS, N. P. Daylilies are wonderful performers. Hemerocallis Soc. Ybk. 6:49-50. 1952. 81 M583

13227 GOSS, N. P. Daylilies in Cleveland. Hemerocallis Soc. Ybk. 5:92-93. 1951. 81 M583

13228 GREGORY, C., and HENRY, J. R. Overseeding with bent helps solve Texas greens problem. Golfdom Sept.1952,44,46,58-60. 60.18 G58

13229 GRISVARD, P. Les arbres d'ombrage de la région parisienne considérations sur leur comportement. Jard. de France 126:175-183. Aug./Sept.1952. 86 So13

13230 GUBA, E. F. Culturing carnation cuttings. Carnation Craft 21:4-5. Sept.1952. 80 C21

13231 HAES, E. C. M. Some useful relatives of borage. Gard. Illus. 69(12):309. Dec.1952. 80 G169
Boraginaceae.

13232 HAMBLIN, S. F. How deep for the union. Amer. Rose Mag. 10(10):22-23. Oct.1952. 80 Am327A
Rose propagation.

13233 HANSEN, R. M. Two years of progress at the trial garden. Amer. Rhododendron Soc. Q. B. 6:206-207. Oct.15,1952. 81 Am398
Portland, Oreg.

13234 HARP, H. F. Propagation of Sambucus. West. Canad. Soc. Hort. Rpt. Proc. 8:101-103. 1952. 82 W522

13235 HEIMLICH A. I., and THIBODEAU, J. More small treasures for your garden. Horticulture 30:421. Nov.1952. 80 H787
Bulbs.

13236 HELLINGS, M. L. Brown bulbs. Herb Grower Mag. 6:142-145. Oct./Dec.1952. 80 Am316

13237 HELLYER, A. G. L. Chrysanthemums that are different. Country Life [London] 112:1472-1473. Nov.7, 1952. 80 C83

13238 HENDERSON, I. B. The unpopularity of daylilies. Hemerocallis Soc. Ybk. 6:14-24. 1952. 81 M583

13239 HILL, H. T. Regional performance of a few Hems. Hemerocallis Soc. Ybk. 5:43-44. 1951. 81 M583

13240 HILL, W. R. Rhododendrons. Arboretum B. 15(3):15,33. Fall 1952. 451 Ar1

13241 HINDMAN, O. M. Seed sowing experiments. Hemerocallis Soc. Ybk. 5:42. 1951. 81 M583

13242 HOLTTUM, R. E. Orchids as cultivated plants in southern Asia. Indian J. Genet. & Plant Breeding 11: 83-87. June 1951. 64.8 In2

13243 HOMANN, H. Der baum im landschaftsbild der Sumerer. Unser Wald 5(10):6-7. Oct.1952. 99.8 Un7

13244 HOYT, G. M. Odontoglossum culture. Orchid Digest 16:225-228. Sept.1952. 80 Or172

13245 HUDSON, J. P. The management of pot plants. So. Austral. Dept. Agr. J. 56:97-99. Sept.1952. 23 So84

13246 HUME, H. H. Camellias. Gard. J. 2:183-186. Nov./Dec.1952. 80 G1635

13247 HURD, C. K. Hodges lift single Fuchsia to highest point of perfection. Fuchsia Fan 12(10):6-8. Oct.1952. 96.532 F952

13248 IBBETT, W. C. Flowers under cold glasshouses. Grower [London] 38:1093,1095. Nov.29,1952. 286.83 M34

13249 ISACHENKO, KH. M. More extensive utilization of various forms of trees and shrubs [in ornamental planting]. (In Russian.) Lesn. Khoz. 5(3):92-96. Mar. 1952. 99.8 L5622

13250 JAMES, T. H. Orchid growing on the Blue Mountains, N. S. W. Austral. Orchid Rev. 17:81-82. Sept.1952. 80 Au73

13251 JAMIESON, H. B. The cultivation of Cymbidiums. Austral. Orchid Rev. 17:87-88. Sept.1952. 80 Au73

13252 JANSE, J. A. Don't forget the smaller bulb plants. (In Dutch.) Huis en Hof 4:190-192,194. Oct.1952. 80 H87

13253 JOHNSON, A. T. Some old roses. Gard. Chron. 132:174. Nov.1,1952. 80 G162

13254 KELLENBERGER, F. S. Variation by spots. Horticulture 30:418,441. Nov.1952. 80 H787
House plants with variegated leaves.

13255 KERNAN, H. S. Transplanting wild trees and shrubs. Org. Gard. 20(12):18-19,57. Dec.1952. 56.8 Or3

13256 KEYES, C. G. Survival of fall and spring sown sown sweet pea seed when germinated before planting. Amer. Soc. Hort. Sci. Proc. 59:523-526. June 1952. 81 So12

13257 KIRCH, W. Hawaiian Dendrobium hybrids. Pacific Orchid Soc. Hawaii. B. 10:91-104. Sept.1952. 96.2 P11

13258 KLINE, F. W. Experiments with Hemerocallis in Puerto Rico. Hemerocallis Soc. Ybk. 5:35-38. 1951. 81 M583

13259 KNOWLES, R. H. Vegetative propagation of Juniperus species and varieties. West. Canad. Soc. Hort. Rpt. Proc. 8:93-97. 1952. 82 W522

13260 KNOWLTON, H. W. Altissima hybrids. Hemerocallis Soc. Ybk. 5:57. 1951. 81 M583

13261 KNOWLTON, H. W. Daylily favorites in New England. Hemerocallis Soc. Ybk. 6:69-72. 1952. 81 M583

13262 KNOWLTON, H. W. Hemerocallis in New England. Hemerocallis Soc. Ybk. 5:61-64. 1951. 81 M583

13263 KOFRANEK, A. M. Producing early daisies with artificial lights. South. Florist & Nurseryman 65(33):93-95. Nov.7,1952. 80 So86
Chrysanthemum.

13264 KOFRANEK, A M. Some effect of low soil temperatures upon the growth of Euphorbia pulcherrima. Amer. Soc. Hort. Sci. Proc. 59:509-515. June 1952. 81 So12

13265 KOHANKIE, H. J. Dwarf evergreens for modern homes. Gard. J. 2:176-177. Nov./Dec.1952. 80 G1635

13266 KOHL, Harry C., and POST, K. Time for production of roses as influenced by season and method of cutting. Amer. Soc. Hort. Sci. Proc. 59:527-530. 81 So12

13267 KOMIANOS, E. B. Colorful window gardens. Org. Gard. 20(12):26-27,44-46. Dec.1952. 56.8 Or3

13268 KRISTOFFERSEN, T. Artificial light and regulation of length of day for greenhouse cultures. (In Norwegian.) Gartneryrket 42:719-728,733-738. Oct.18, 1952. 80 G1938
Ornamentals.

13269 KROFSKY, J. Terrariums—those woodsy gardens in glass bowls—are fun to make and ideal for Christmas giving. East. States Coop. 28(12):22-23. Dec.1952. 280.28 Ea7

13270 KROMDIJK, G. Ficus culture. (In Flemish.) Cult. en Handel 18:512-514. Sept.1952. 80 C892

13271 KROMDIJK, G. Zygocactus truncatus. (In Flemish.) Cult. en Handel 18:571-573. Oct.1952. 80 C892

13272 KÜHN, E. Vom sinn der planung im städtebau. Pflanze u. Gart. 2(9):12-14. Sept.1952. 80 P48

13273 LANCASTER, B. Rhododendron albiflorum. Amer. Rhododendron Soc. Q. B. 6:208. Oct.15,1952. 81 Am398

13274 LAVIOLETTE, C. DE. De jolies plantes d'appartement. Cour. Hort. 14:485-486. Sept.1952. 80 C834

13275 LEACH, D. G. How to grow Azaleas from seed. Home Gard. 20(6):44-48. Dec.1952. 80 H756

13276 LENINGTON, G. E. The growth of a private collection. Hemerocallis Soc. Ybk. 5:65-66. 1951. 81 M583

13277 LESTER, H. W. Daylilies from Florida to Iowa. Hemerocallis Soc. Ybk. 5:94-99. 1951. 81 M583

13278 LEWIS, C. E. Tips for better landscapes. Amer. Nurseryman 96(11):12,36. Dec.1,1952. 80 Am371

13279 LOTHIAN, N. Wild flower popularity poll. So. Austral. Nat. 26:39-40. July 1952. 410 So82

13280 LUNTS, L. B. Zelenoe stroitel'stvo [Landscape gardening]. Moskva,Goslesbumizdat,1952. 441 p. 98.5 L97

13281 LÜTTGE, G. Hausgarten bei Hamburg. Pflanze u. Gart. 2(9):10-11. Sept.1952. 80 P48

13282 MCKAY, J. A. Propagation of lilacs. West. Canad. Soc. Hort. Rpt. Proc. 8:98-101. 1952. 82 W522

13283 MACKENZIE, I. S. Landscape gardening in Sweden. Gard. Chron. 132:164. Oct.25,1952. 80 G162

13284 MASTRANGEL, W. So ya wanna grow Cactus. V. Cactus & Succulent J. 24:155-157. Sept./Oct.1952. 451 C11

13285 MOIR, W. W. G. Orchids on a sugar tour. 2. Pacific Orchid Soc. Hawaii. B. 10:108-113. Sept.1952. 96.2 P11
Tour included West Indies.

13286 MORAN, P. J. Literature review of propagation of Spirea. West. Canad. Soc. Hort. Rpt. Proc. 8: 91-92. 1952. 82 W522

13287 NEARING, G. G. A further discussion of breeding methods. Amer. Rhododendron Soc. Q. B. 6: 209-212. Oct.15,1952. 81 Am398

13288 NESMITH, MRS. T. Color combinations and garden culture of Hemerocallis. Hemerocallis Soc. Ybk. 5:45-46. 1951. 81 M583

13289 NILSON, S. What's become of fragrance? Home Gard. 20(6):25-30. Dec.1952. 80 H756

13290 NORTON, J. B. S. Scientific research on Hemerocallis. Hemerocallis Soc. Ybk. 5:55,57. 1951. 81 M583

13291 NUESE, J. Annual Lobelia gives four months' bloom. Home Gard. 20(6):56-58. Dec.1952. 80 H756

13292 NYCE, L., and NYCE, MRS. L. Prize-winning Camellias; a report of how choice blooms are grown under glass at Holly Hill [Pa.]. Pop. Gard. [Albany] 3(12): 26-27,46-47. Dec.1952. 80 P812

13293 OLSCHOWY, G. Massnahmen zur landschaftspflege bei der Rissbachüberleitung in den Walchensee. Pflanze u. Gart. 2(9):16-18. Sept.1952. 80 P48

13294 OSBORNE, D. Iris kaempferi. Gard. Chron. 132:194-195. Nov.15,1952. 80 G162

13295 OTTERLOO, J. W. VAN. Boskoop cultures. (In Dutch.) Zaad-, Bloem- en Bollenwereld 16:349,383-384. (Cont.) Aug.-Sept.1952. 61.8 Z12
Rhododendrons and lilacs.

13296 OTTERLOO, J. W. VAN. Cotoneasters. (In Flemish.) Tuinbouwberichten 16:137-138. Sept.15,1952. 80 T817

13297 OTTERLOO, J. W. VAN. Rhododendron culture. II. (In Flemish.) Tuinbouwberichten 16:123-124. Aug. 15,1952. 80 T817

13298 PARRY, J. A grand tour of American gardens. Gard. Illus. 69(12):310-313. Dec.1952. 80 G169

13299 PEER, R. Investigating Camellia species. Camellia Rev. 14:3. Oct.1952. 97.31 So82

13300 PILCHER, G. A. Carnations and pinks under cloches. Mr. Chase's Cloche Gard. Notes 11:146-148. Oct.1952. 80 M69

13301 POTTER, C. H. Bedding plants. 3-4. Florists' Rev. 111(2870):45-46,134-135; (2871):23-24,109. Nov.27-Dec.4,1952. 80 W41
3, Propagation of cutting; 4, Transplanting and care.

13302 POTTER, C. H. A growers' guide to bedding plants. 2. Seeds. Florists' Rev. 111(2869):33-34,60-61. Nov.20,1952. 80 W41

13303 PRIDHAM, A. M. S. Preliminary report on defoliation of nursery stock by chemical means. Amer. Soc. Hort. Sci. Proc. 59:475-478. June 1952. 81 So12
Tests with Endothal and Nacconol N. R.

13304 RAALTE, D. VAN. Lilies once more. (In Flemish.) Cult. en Handel 18:515-517. Sept.1952. 80 C892

13305 RAALTE, D. VAN. Some problems in connection with Chrysanthemum culture. (In Flemish.) Cult. en Handel 18:576-579. Oct.1952. 80 C892

13306 RENTOUL, J. N. Genetics, or just plain chance? Austral. Orchid Rev. 17:85-86. Sept.1952. 80 Au73
Hybridizing Cymbidium.

13307 RICE, B. M. Hemerocallis reigns supreme in Valdosta, Georgia. Hemerocallis Soc. Ybk. 5:69. 1951. 81 M583

13308 RICHARDS, R. E. Old reliables. Hemerocallis Soc. Ybk. 5:67-68. 1951. 81 M583

13309 ROBERSON, F. K. In praise of dwarf Cotoneasters. Arboretum B. 15(3):6,3€. Fall,1952. 451 Ar1

13310 ROBINSON, P. L. What style can do to improve your garden. 2. Home Gard. 20(6):32-35. Dec. 1952. 80 H756

13311 ROCKWELL, F. F. First year flowers from early sown perennials. Home Gard. 20(6):66-68. Dec. 1952. 80 H756

13312 ROCKWELL, F. F. Hold that view! Home Gard. 20(6):14-17. Dec.1952. 80 H756

13313 ROGERS, D. P. The Glastonbury thorn. Gard. J. 2:181-182. Nov./Dec.1952. 80 G1635
Crataegus variety.

13314 ROPER, L. The phenomenon of autumn colour. Roy. Hort. Soc. J. 77:405-411. Nov.1952. 84 L84J

13315 ROSS, MRS. M. Evolution of the Hemerocallis Society. Hemerocallis Soc. Ybk. 5:7-13. 1951. 81 M583

13316 ROSS, MRS. M. Hemerocallis favorites of 1951. Hemerocallis Soc. Ybk. 6:35-38. 1952. 81 M583

13317 RUPP, H. M. R. The genus Bulbophyllum in Australia. Austral. Orchid Rev. 17:97-98. Sept.1952. 80 Au73

13318 SANDER, D. F. Back crosses. Orchid Rev. 60:173-174. Nov.1952. 80 Or15

13319 SANDERSON, M. V. Perennials for autumn cloching. Mr. Chase's Cloche Gard. Notes 11:148-150. Oct.1952. 80 M69

13320 SAXE, R. E. The lure of the auricula. Amer. Primrose Soc. Q. 10(2):2-3. Oct.1952. 96.575 Am3
Primula auricula.

13321 SCHMIDT, E. Zwei wenig bekannte Tulpen. Schweiz. Gärtztg. 55(39):2-3. Oct.2,1952. 80 G1939

13322 SCHUDEL, H. L., and RAMPTON, H. H. Home lawns for Oregon. Oreg. Agr. Expt. Sta. B. 516,45 p. 1952? 100 Or3

13323 SERVICE, W. A. The gravel culture of Cattleyas. Austral. Orchid Rev. 17:83-84. Sept.1952. 80 Au73

13324 SIGURÐSSON, P. Roses [Rosa]. (In Icelandic.) In Islenska Garðyrkjufjelag. Gróðurhúsabókin, p.51-63. Reykjavik,1951. 91 Is4

13325 SKINNER, F. L. Propagation of roses. West. Canad. Soc. Hort. Rpt. Proc. 8:97-98. 1952. 82 W522

13326 SMITH, A. F. Using Hemerocallis in landscaping. Hemerocallis Soc. Ybk. 5:58-60. 1951. 81 M583

13327 SMITH, A. U. Brighten your winter landscape. Pop. Gard. [Albany] 3(12):29,50. Dec.1952. 80 P812

13328 SOBRERO, L. R. Los arboles alrededor de las casas. Pampa Argentina 25(290):5. Feb.1952. 9 P19

13329 SOSNIN, L. I. Boxtree [Buxus sempervirens]. (In Russian.) Priroda 41(8):117-118. Aug.1952. 410 P933

13330 ŠTAMPAR, V. Great snow—a new reminder to correctly cover the tree crown. (In Slovenian.) Sadjarstvo Vinarstvo Vrtnarstvo 4:101-103. Apr.1952. 21.5 Sa1

13331 STAPLETON, L. B. Deciduous Azaleas in Butte County. Calif. Hort. Soc. J. 13:123-124. Oct.1952. 81 C1293

13332 STEVENS, H. A Hyperion mutation. Hemerocallis Soc. Ybk. 6:77-78. 1952. 81 M583

13333 STEVENS, J. What makes a good Iris? New Zeal. Iris Soc. B. 6:8-14. Sept.1951. 96.45 N48
Standards for breeding.

13334 STOCKUM (W. P. VAN) & SON, THE HAGUE. Welcome to bulb-land. The Hague,Van Stockum,1951? unpaged. 126 St6

13335 STOUT, A. B. Segregations in habit of growth in hybrid daylilies. Hemerocallis Soc. Ybk. 5:28-32. 1951. 81 M583

13336 SYMONS-JEUNE, B. Breeding Phloxes for English gardens. Gard. Illus. 69(12):307-308. Dec.1952. 80 G169

13337 TALOUMIS, G. The gardens of Europe today. Horticulture 30:426-428. Nov.1952. 80 H787

13338 TAYLOR, MRS. B. Suggestions for rating daylilies. Hemerocallis Soc. Ybk. 6:51-52. 1952. 81 M583

13339 TAYLOR, M. B. Rose-growing as it is. Amer. Rose Mag. 10(10):4-6. Oct.1952. 80 Am327A

13340 THOMSON, R. Why not more hybrid perpetuals? Amer. Rose Mag. 10(10):7-9. Oct.1952. 80 Am327A

13341 THWING, W. E. Lewisia, evergreen native of the Northwest. Home Gard. 20(6):62-65. Dec.1952. 80 H756

13342 TORPEN, MRS. B. Adventure with Primulas. Amer. Primrose Soc. Q. 10(2):3-4. Oct.1952. 96.575 Am3

13343 TUGGLE, R. Succession of bloom in the window garden. Green Thumb [Denver] 9(11):24-25. Nov.1952. 80 G82

13344 TURF research review, 1950. Beltsville,Md., U. S. Golf Assoc., Green Sect.,1951. 41 p. 60.18 T844

13345 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Culture of Rhododendrons and Azaleas. Beltsville,Md.,1952? 14 p. 1.965 A2C892

13346 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Propagation of Rhododendrons and Azaleas. Beltsville,Md.,1952? 9 p. 1.965 A2P944

13347 VAN GILDER, J. S. Amaryllis in an apartment window. Horticulture 30:419,440. Nov.1952. 80 H787

13348 WALKER, J. Propagation of Caragana. West. Canad. Soc. Hort. Rpt. Proc. 8:87-91. 1952. 82 W522

13349 WANDELER, C. DE, and CHALTIN, G. La culture forcée des oignons à fleurs. Cour. Hort. 14: 482-483. Sept.1952. 80 C834

13350 WARNE, E. F. Hawaiiana—Dendrobium hybrids—a complete list. Pacific Orchid Soc. Hawaii. B. 10:104-108. Sept.1952. 96.2 P11

13351 WELLS, J. S. Propagation of Taxus. Amer. Nurseryman 96(11):13,37-43. Dec.1,1952. 80 Am371

13352 WEST, MRS. N. F. Concerning good standard low-priced daylilies. Hemerocallis Soc. Ybk. 5:48-53. 1951. 81 M583

13353 WHEELDON, T. What has happened to the Sander hybrid Azaleas? Amer. Rhododendron Soc. Q. B. 6:184-185. Oct.15,1952. 81 Am398

13354 WIDMER, R. E. Are your house plants up to date? Minn. Hort. 80:135-137. Nov.1952. 81 M66

13355 WILLIAMS, R. Some experiments with scree. Calif. Hort. Soc. J. 13:118-123. Oct.1952. 81 C1293
Rock gardens.

13356 WILSON, A. E. Tree planting in streets. Agr. Gaz. N. S. Wales 63:457-460. (Cont.) Sept.1952. 23 N472

13357 WOLFE, H. S. Landscaping with tropical and subtropical fruits. South. Florist & Nurseryman 65(37): 94-97. Dec.5,1952. 80 So86

13358 WOOD, J. P. Notes from the Northwest. Hemerocallis Soc. Ybk. 6:61. 1952. 81 M583

13359 WRIGHT, A. And now Episcias. Pop. Gard. [Albany] 3(12):34-35,42. Dec.1952. 80 P812

13360 WYNNE, R. B. Pinks and plums. Hemerocallis Soc. Ybk. 5:99-103. 1951. 81 M583
Color terminology.

13361 ZEINER, H. M. Some "easy to grow" house plants. Green Thumb [Denver]9(11):12-14. Nov.1952. 80 G82

Vegetable and Truck Crops (Including Potatoes)

13362 ALEXEJEVOVA, M. V. Effect of removing dry scales of seed crops and obtaining a second crop of turnip onions. (In Czech.) Za Socialist. Zeměděl. 2: 437-443. Apr.1952. 19.5 Z1

13363 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE FOMENTO AGRICOLA. Descripción de buenas variedades hortícolas de berenjena, pimiento y tomate; indicaciones para la siembra. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:357-358. 1951/52. 9 Ag874

13364 ASHTON, L. S. Plan for peppers. Org. Gard. 20(12):50-53. Dec.1952. 56.8 Or3

13365 AVANZI, E. In quest of Italian potato varieties. (In Italian.) Italia Agr. 89:646-648. Oct.1952. 16 It1

13366 BAILEY, J. E. Head lettuce grown successfully in north Georgia. Res. News [Ga. Sta.] 3(8):2-3. Oct. 1952. 100 G29R

13367 BANGA, O., and KEULS, M. Praktijkproeven wortelen amsterdamse bak 1949-1950 [Practical tests of the roots of Amsterdam Bak[carrots]]. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 37,33 p. July 1952. 86 W12
Statistical method.

13368 BANGA, O., and KEULS, M. Praktijkproeven zomerwortelen 1949-1950 [Tests for summer rootcrops]. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 38,20 p. July 1952. 86 W12

13369 BEAUSSIER. Rhône: monographie du departement concernant spécialement le pomme de terre. Pomme de Terre Franç. 15(158):10-18. Oct.1952. 75.8 P77

13370 BERMAN, S. Vegetable garden for self-supply. (In Hebrew.) Hassadeh 32:526-528. Aug./Sept.1952. 26 H27

13371 CAHN, R. I. Artificial light gives high yield of early tomatoes. Grower [London] 38:926-927. Nov. 8,1952. 286.83 M34

13372 CAMARGO, L. DE S. Production of Cruciferae seeds (cabbage, caulliflower, broccoli, etc.). (In Portuguese.) Soc. Rur. Bras. Rev. 32(380):62. Sept.1952. 9.2 B733

13373 CAMPBELL, J. A., and BAIN, D. C. Kopiah, a new tomato variety developed in Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 474,2 p. Sept.1952. 100 M69In

13374 CAMPBELL, J. A., and BAIN, D. C. New tomato named Kopiah developed at Truck Crops Branch Experiment Station. Miss. Farm Res. [Miss. Sta.] 15(9): 1,7. Sept.1952. 100 M69Mi

13375 CAMPBELL, J. A. Varieties, diseases and fertilization are studied at Truck Crops Station. Miss. Farm Res. [Miss. Sta.] 15(9):2,8. Sept.1952. 100 M69Mi

13376 CASSERES, E. H., and THOMAS, N. F. Milfruto—nueva variedad de chile dulce. Turrialba 2: 113-115. July/Sept.1952. 8 T86

13377 CASSINA, E. D. Cultivo de la achicoria de Bruselas para la producción del "witloof." Argentina. Min. de Agr. y Ganad. Almanaque 26/27:117-118. 1951/52. 9 Ag874

13378 CHASE, J. L. H. Lettuce for the home gardener. Mr. Chase's Cloche Gard. Notes 11:152-155. Oct. 1952. 80 M69

13379 CONNECTICUT VEGETABLE GROWERS' ASSOCIATION. Proceedings, thirty-ninth annual meeting, Manchester, on December 12, and 13, 1951. Manchester? 1952. 54 p. 75.9 C76

13380 COYLE, J., JR. Yield comparison of fertilized and irrigated vegetables. West. Canad. Soc. Hort. Rpt. Proc. 8:111-114. 1952. 82 W522

13381 EIRI, A., and TANAKA, T. Influence of deep and early planting on the yield in the early harvesting of spring potato. (In Japanese.) Kyushu Noji Shikenjo 9:75-76. Mar.1952. 107.6 K996

13382 ETTINGER, J. Summing-up the spring season of vegetable growing. (In Hebrew.) Hassadeh 32:518-519. Aug./Sept.1952. 26 H27

13383 FÉDÉRATION NATIONALE DES PRODUCTEURS DE PLANTS DE POMMES DE TERRE. Production du plant de pommes de terre en France. Paris,1952. 104 p. 75.9 F31

13384 FOSTER, R. E., STEWART, J. K. Late spring lettuce. Prog. Agr. Ariz. 4(3):9,12. Oct./Dec.1952. 6 P9452

13385 GELOSO, A. R. Aubergines as grown in France. Grower [London] 38:984. Nov.15,1952. 286.83 M34

13386 GROENEWEGEN, J. H., and MARKUS, A. The growth and flowering of tomatoes. (In Dutch.) Groenten en Fruit 7:243-244. Oct.11,1951. 80 G89

13387 GROENEWEGEN, J. H. Selection of tomato varieties. (In Dutch.) Groenten en Fruit 7:244. Oct.11, 1951. 80 G89

13388 GROENEWEGEN, J. H. What did the variety test in 1951 teach us about greenhouse tomatoes? (In Dutch.) Groenten en Fruit 7:247-248. Oct.11,1951. 80 G89

13389 GROSZMANN, H. M. Pulse crops (beans and peas). Queensland Fruit & Veg. News 2(33):15-17; (34): 9-11. June 27-July 4,1952. 280.38 Q3
Chiefly culture.

13390 HAYWARD, P. R. Winter beans for protein. Farmer & Stock-Breeder 66(3281):41,43. Sept.9/10, 1952. 10 F228
Cultivation and manuring.

13391 HINDMARSH, R. G. Again—members report some great potato crops. East. States Coop. 28(12):13-15. Dec.1952. 280.28 Ea7
Fertilizing and spraying practices and yields obtained.

13392 IBBETT, W. C. Cold cropping lettuce & tomatoes. Grower [London] 38:1038-1039. (Cont.) Nov. 22,1952. 286.83 M34

13393 ISAACSON, I. New Golden Pershaw melon shown. West. Grower & Shipper 23(12):145,169. Nov. 1952. 280.38 W52

13394 ISAACSON, I. Row crop research progress report. West. Grower & Shipper 23(12):116-119. Nov. 1952. 280.38 W52
Cultural problems.

13395 JOHNSON, W. B., and BENNETT, E. A turbidity test for measuring the maturity of sweet corn. Amer. Soc. Hort. Sci. Proc. 59:400-404. June 1952. 81 So12

13396 JONSSON, H. O. Tomatoes (Lycopersium esculentum). (In Icelandic.) In Islenska Garðyrkjufjelag. Groðurhusabókin, p.35-50. Reykjavik,1951. 91 Is4

13397 KEMP, G. A. Development of earliness in canning tomatoes. West. Canad. Soc. Hort. Rpt. Proc. 8:78-80. Ref. 1952. 82 W522

13398 KLOEN, D. The growth of turnips. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:341-347. Sept.1952. 12 N383M

13399 KOMEN, G. Endives all year round. (In Dutch.) Huis en Hof 4:193-194. Oct.1952. 80 H87

13400 KRAMER, A. A tri-metroc test for sweet corn quality. Amer. Soc. Hort. Sci. Proc. 59:405-413. Ref. June 1952. 81 So12

13401 KUPPERS, G. A. Die knollensonnenblume topinambur wird kulturpflanze. Kosmos 48:464-468. Oct.1952. 474 K842

13402 LANA, E. P., and HABER, E. S. Seasonal variability as indicated by cumulative degree hours with sweet corn. Amer. Soc. Hort. Sci. Proc. 59:389-392. June 1952. 81 So12

13403 LARSON, R. E., and POLLACK, B. L. The interactions of planting dates and strains as measured in maturity and productivity of tomatoes. Amer. Soc. Hort. Sci. Proc. 59:377-383. June 1952. 81 So12

13404 LAUMONT, P., and CHEVASSUS, A. Travaux d'experimentation sur pommes de terre poursuivis par le Service de l'Experimentation Agricole. Rev. Hort. de l'Algérie 56:186-201. June/July 1952. 87 R32

13405 LINDEN, L. VAN DER. Early potato variety test. II. (In Flemish.) Tuinbouwberichten 16:131-132. Sept.15,1952. 80 T817

13406 LINDEN, L. VAN DER. Variety tests of early potatoes. (In Flemish.) Tuinbouwberichten 16:116-118, 124. (Cont.) Aug.15,1952. 80 T817

13407 LUNA ERCILLA, C. A. Tomate de monte. Chacra 23(264):34. Nov.1952. 9 C34
Culture.

13408 MARIÈN, A. Late lettuce culture. (In Flemish.) Tuinbouwberichten 16:114-115. Aug.15,1952. 80 T817

13409 MARKUS, A., and GROENEWEGEN, J. H. Experiences with the greenhouse tomato culture in 1951. (In Dutch.) Groenten en Fruit 7:249. Oct.11,1951. 80 G89

13410 MARVEL, M. E. and HAVIS, J. R. The influence of depth of transplanting on size and shape of head lettuce. Amer. Soc. Hort. Sci. Proc. 59:372-376. June 1952. 81 So12

13411 MICHAEL, R., and SMITH, P. G. Stimulation of sweet potato sprout production. Amer. Soc. Hort. Sci. Proc. 59:414-420. June 1952. 81 So12

13412 MIDDLEBROOK, S. Every packet can't be perfect. Grower [London] 38:1153,1155. Dec.6,1952. 286.83 M34
Mushroom culture.

13413 MIKES, J. Cultivation of early vegetables in a large-scale socialist economy. (In Czech.) Za Socialist. Zeměděl. 2:400-407. Apr.1952. 19.5 Z1
Czechoslovakia.

13414 MILLS, S. D. The chayote or climbing squash. Org. Gard. 20(12):36-37. Dec.1952. 56.8 Or3

13415 MINNUM, E. C. The production of sweet corn. Conn. Agr. Col. Ext. Folder 48,8 p. Jan.1951. 275.29 C76E

13416 MINNUM, E. C. Summer squash. Conn. Agr. Col. Ext. Folder 55,4 p. Feb.1952. 275.29 C76Ex

13417 MINNUM, E. C. Winter squash and pumpkins. Conn. Agr. Col. Ext. Folder 56,8 p. Feb.1952. 275.29 C76Ex

13418 MOLERES, P. R. La papa para semilla. Bolsa de Com. Rosario. Rev. 40(976):5-6. Sept.15,1952. 287 R71
Culture.

13419 MOORE, J. F. A study of field plot technique with sprouting broccoli. Amer. Soc. Hort. Sci. Proc. 59:471-474. June 1952. 81 So12

13420 MOROCCO. MISSION HORTICOLE. SERV. DE L'HORTICULTURE. Compte-rendu des résultats de deux essais comparatifs de divers écartements pour les cultures de pommes de terre de saison (campagne 1950-51). Terre Marocaine 26:386-392. (Cont.) Oct. 1952. 24 T44

13421 MULLIN, R. S. Seed potato tests 1952. Veg. Growers News 7(6):3-4. Dec.1,1952. 275.28 V52
Varietal yields and diseases.

13422 NATH, P. Seed potato development in Himachal. Indian Farming (n.s.)2(6):22-25,29,32. Sept.1952. 22 In283

13423 NONNECKE, I. L. Some measuring devices used in vegetable research. West. Canad. Soc. Hort. Rpt. Proc. 8:77-78. 1952. 82 W522

13424 OKA, T. Problems for early harvest of sweet potato. (In Japanese.) Kyushu Noji Shikenjo 9:43-44. Mar.1952. 107.6 K996

13425 OPPENHEIMER, J. Vegetable growing in the north of the Negev. (In Hebrew.) Hassadeh 32:519-521. Aug./Sept.1952. 26 H27

13426 PERSSON, A. R. Experiments with Norwegian varieties and strains of autumn and winter cabbages 1947—1950. (In Norwegian.) Forsk. og Førsok i Landbr. 3:1-29. 1952. 11 F772

13427 PFÖRTNER, K. Welche anforderungen stellt die konserven-industrie an anbau und züchtung zur qualitätsverbesserung der rohware? Landwirt. Forsc'.. Sonderh. 2:88-93. 1952. 18 L2333A
Vegetables.

13428 PICKETT, B. S. Home gardening is big business. Mega 12(4):30-32. Sept.1952. 90.32 M52B

13429 PIOVANO, A. P. Cultivo de zanahoria para semilla. Chacra 23(264):42,47. Nov.1952. 9 C34

13430 PORTE, W. S. Commercial production of tomatoes. U. S. D. A. Farmers' B. 2045,46 p. Sept. 1952. 1 Ag84F
Supersedes Farmers' Bulletin 1338.

13431 REEVE, E., and SCHMIDT, W. A. Influence of plant spacing on canning tomato yields. Amer. Soc. Hort. Sci. Proc. 59:384-388. June 1952. 81 So12

13432 REEVE, E. Influence of vitamin supplements on mushroom yields. Amer Soc. Hort. Sci. Proc. 59:367-371. June 1952. 81 So12

13433 REINHOLD, J. Bäuerlicher gemüse-zwischenfruchtbau. Deut. Landwirt. 3:415-417. Aug.1952. 18 D4822
Russian Zone.

13434 SALAMAN, R. N. The social influence of the potato. Sci. Amer. 187(6):50-52,54,56. Dec.1952. 470 Sci25

13435 SHEWELL-COOPER, W. E. Sow peas in December. New Health 27(4):60-62. Winter 1952. 449.8 N45

13436 SIGGEIRSSON, E. I. Cucumbers (Cucumis sativus L.) (In Icelandic.) In Islenska Garðyrkjufjelag. Gróðurhusabókin, p.8-26. Reykjavik,1951. 91 Is4

13437 SIGGEIRSSON, E. I. Muskmelons (Cucumis melo L.) (In Icelandic.) In Islenska Garðyrkjufjelag. Gróðurhúsabokin p.27-34. Reykjavik,1951. 91 Is4

13438 SMEDT, A. DE. Kidney beans as catch crop under glass. (In Flemish.) Tuinbouwberichten 16:115-116. Aug.15,1952. 80 T817

13439 SOLOVJOVA, V. K. Increasing the germination rate of pea seeds. (In Czech.) Za Socialist. Zeměděl, p.11-12. In Zpravodaj Ustredi Zemedel. Vyzkumn. 2(3). Mar.1952. 19.5 Z1

13440 STEINBLINK, L. T. Increasing the vegetable crops by close planting and irrigation. (In Czech.) Za Socialist. Zemedel. 2:807-808. July 1952. 19.5 Z1
Czechoslovakia.

13441 STRACHAN, G., and TORFASON, W. E. Maturity studies of vegetables in Alberta. West. Canad. Soc. Hort. Rpt. Proc. 8:19-22. Ref. 1952. 82 W522

13442 SWITZERLAND EIDGENÖSSISCHE LANDWIRTSCHAFTLICHE VERSUCHSANSTALT ZURICH-OERLIKON. Das schweizerische richtsortiment im kartoffelbau 1952/53. Grüne 80:1191-1199. Oct.31,1952. 17 Sch9

13443 TAPLEY, W. T. Red Top—a new paste tomato. Canner 115(19):14-15. Nov.8,1952. 286.83 C16

13444 TAPLEY, W. T. Red Top—a new paste tomato. Farm Res. [N. Y. State Sta.] 18(4):3. Oct.1952. 100 N48A

13445 TORFASON, W. E. The germination of sweet corn at low temperatures. West. Canad. Soc. Hort. Rpt. Proc. 8:80-82. 1952. 82 W522

13446 TORTI, M. Aristocratic vegetables from the common field chicory. (In Italian.) Gior. di Agr. 62: 335. Nov.2,1952. 16 It1G

13447 TOYOOKA, J., YOSHITAKE, S., and FUZIN, O. T. Studies on the seed-harvesting of Tokinashi radish. (A Japanese Spring variety) in North Kyushu Area. II. (In Japanese.) Kyushu Noji Shikenjo 9:71-72. Mar.1952. 107.6 K996

13448 VERBRUGGEN, A. An interesting catch crop: winter spinach. (In Flemish.) Cult. en Handel 18:518. Sept.1952. 80 C892

13449 VERBRUGGEN, A. Seeding of early cauliflower. (In Flemish.) Cult. en Handel 18:519-520. Sept. 1952. 80 C892

13450 VERMA, R. D. Rabi vegetables. Indian Farming (n.s.)2(6):8-9,18-20. Sept.1952. 22 In283

13451 WALKER, H. City folks grow more food. Indian Farming (n.s.)2(6):30-31. Sept.1952. 22 In283

13452 WALKOF, C. Prairie vegetable trials—1951. West. Canad. Soc. Hort. Rpt. Proc. 8:71-76. 1952. 82 W522

13453 WALTHER, R. Untersuchungen an gurken und tomaten zur schnelleren gewinnung von hochwertigem saatgut. Saatgut-Wirt. 4:208-210. (Concl.) Sept.1952. 61.8 Sa1

13454 WILLARD, J. New vegetable varieties. Conn Veg. Growers' Assoc. Proc. 39:7-12. 1952. 75.9 C76

13455 WOODBURY, G. W. Your vegetable garden. Idaho. Agr. Col. Ext. C. 124,12 p. Sept.1952. 275.29 Id13C

13456 WRAY, C. G. Next year's tomatoes depend on this year's details. Grower [London] 38:816-818. Oct.25,1952. 286.83 M34
Greenhouse sanitation.

13457 YOSHIMURA, K. On the varieties of spring carrot in mountainous cold regions. (In Japanese.) Kyushu Noji Shikenjo 9:77-78. Mar.1952. 107.6 K996

WEEDS AND POISONOUS PLANTS

13458 ALLRED, B. W. Post oak and blackjack oak. Sheep & Goat Raiser 32(8):22-23. May 1952. 45.8 Sh3
Control.

13459 ARASHI, K., and KUNITAKE, M. Studies on the distribution of the weeds on the drainaged paddy field cultivating winter crops in Tikugo Plain. (In Japanese.) Kyushu Noji Shikenjo 9:113-114. Mar.1952. 107.6 K996

13460 BARRONS, K. C. Vegetation control on industrial lands. Advn. Agron. 4:305-327. Ref. 1952. 30 Ad9
Weed control.

13461 BEATTY, R. H., and DAVIS, B. H. Winter is a good time to kill brush with chemicals. East. States Coop. 28(12):8-10. Dec.1952. 280.28 Ea7

13462 BORASIO, L., REGE, F. DE, and GIRARDI, A. Attempt to solve the problem of algae [in rice fields]. (In Italian.) Riso 1(8):16-20. Sept.1952. 59.8 R49

13463 BREJCHA, V. Herbicidal effect of certain chemicals. (In Czech.) Za Socialist. Zeměděl. 2:166-172. Ref. Feb.1952. 19.5 Z1

13464 CALLANTINE, E. J. Curlycup gumweed (Grindelia squarrosa). S. Dak. Stockgrower 6(9):16. Oct. 15,1952. 49 So84

13465 CANNON, R. C. Weed sprays in pineapples. Queensland Agr. J. 75:139-141. Sept.1952. 23 Q33

13466 CARILLI, A. Trials for the control of nut grass (Cyperus rotundus L.) with soil fumigants. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1161-1171. Ref. 1952. 16 An76
English summary.

13467 ČESALIN, J. A. Care of the crop as a measure to control weeds. (In Czech.) Za Socialist. Zeměděl. 2: 187-196. Feb.1952. 19.5 Z1

13468 ČESALIN, J. A. Preventive measures against weeds. (In Czech.) Za Socialist. Zeměděl. 2:161-166. Feb.1952. 19.5 Z1
Czechoslovakia.

13469 ČESALIN, J. A. Role of soil preparation in controlling weeds in fields. (In Czech.) Za Socialist. Zeměděl. 2:172-182. Feb.1952. 19.5 Z1

13470 CESARONI, F. Herbicides in the improvement of pastures. (In Italian.) Monti e Boschi 3:350-352. Aug.1952. 16 M76
English summary.

13471 CIFERRI, R. Effect of the total and partial, hand-made and chemical weed control on wheat. (In Italian.) Not. sulle Mal. delle Piante 19:4-6. Apr./June 1952. 464.8 N84
English summary.

13472 CIFERRI, R. Preliminary report on "Ibertox" as selective herbicide. (In Italian.) Not. sulle Mal. delle Piante 19:1-4. Apr./June 1952. 464.8 N84
English summary.

13473 DEFRANCE, J. A., and SIMMONS, J. A. Comparison of various chemicals for crabgrass control in turf. Amer. Soc. Hort. Sci. Proc. 59:479-484. June 1952. 81 So12

13474 DENMARK. STATENS UKRUDTSFORSØG. The Danish Institute for Weed Research—annual report. (In Danish.) Tidsskr. f. Planteavl 55:723-729. 1952. 11 T439
English summary.

13475 FREED, V. H., BAYER, D. E., and FURTICK, W. R. Control of weedy annual grasses in perennial grasses grown for seed; a progress report. Oreg. Agr. Expt. Sta. C. Inform. 514,6 p. Oct.1952. 100 Or3C

13476 GRANCINI, P. Researches on rice weeding during the year 1951. (In Italian.) Not. sulle Mal. delle Piante 19:50-58. Apr./June 1952. 464.8 N84
English summary.

13477 GRAY, J. H. I'm learning the hard way there's no easy way out of weeds. Farm & Ranch Rev. 48(10):8-9 Oct.1952. 7 F223

13478 HUMPHREY, R. R. Control mesquite by fire. Prog. Agr. Ariz. 4(3):10,12. Oct./Dec.1952. 6 P9452

13479 HUMPHREY, R. R. Fire is potent weapon - mesquite eradication. West. Live Stock 38(3):160-161. Oct.1952. 49 W523

13480 JHA, A. Common weeds of Bihar. Bihar Agr. Col. Mag. 8:16-21. Feb.1952. 107.5 B482

13481 JOHNSON, A. Mintweed [Salvia reflexa] in the North-West. Agr. Gaz. N. S. Wales 63:453-456,504. Sept.1952. 23 N472

13482 KACZYNSKI, H. Weed control in nursery beds. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 3:11-12. Oct.15,1951. 99.9 N422

13483 KÁS, V. Problem of weed dissemination with local fertilizers. (In Czech.) Za Socialist. Zeměděl. 2: 156-161. Feb.1952. 19.5 Z1

13484 KILLING brush with chemicals, it's only the beginning of a range improvement program. West. Livestock J. 30(58):61,169-171. Oct.15,1952. 6 F2278

13485 KRÜGER. Unkrautbekämpfung auch auf dem grünlande? Hannoversche Land- u. Forstwirt. Ztg. 105:399. Apr.19,1952. 18 H194

13486 KUNITAKE, M. Observation on the seasonal variations of the weed species and their growth in Tikugo Plain. (In Japanese.) Kyushu Noji Shikenjo 9:111-112. Mar.1952. 107.6 K996

13487 LEEFE, J. S. Chemical control of weeds in peas. Sci. Agr. 32:581-585. Nov.1952. 7 Sc12

13488 LING, L. El control de las malas hierbas con hormonas. Tierra [México] 7:448-450. July 1952. 8 T445

13489 LOVVORN, R. L., and others. Second panel discussion: weed control in cotton. Cotton Gin & Oil Mill Press 53(23):60,73-75. Nov.8,1952. 304.8 C822
F. A. Kummer, E. B. Williamson, P. J. Talley, H. P. Smith, J. R. Tavernetti, and F. Fletcher, joint authors.

13490 MCKINZIE, J. A. Brush eradication. Telephony 143(21):18-20,36,38-39. Nov.22,1952. 335.8 T23
Use of growth inhibitors.

13491 MCMURRAY, S. F., and others. Chemical control of weeds in field crops. Tenn. Agr. Expt. Sta. B. 224,20 p. May 1952. 100 T25S
J. K. Leasure, J. Epps, and T. H. Jones, joint authors.

13492 MARINI, E. Chemical control of Panicum spp. (In Italian.) Not. sulle Mal. delle Piante 19:21-23. Apr./June 1952. 464.8 N84
English summary.

13493 MARINI, E. Lack of toxicity for the fishes on rice fields sprayed with 2,4-D and MCPA. (In Italian.) Not. sulle Mal. delle Piante 19:17-18. Apr./June 1952. 464.8 N84
English summary.

13494 MARINI, E. Sensibility of Artemisia vulgaris to the phytormonic weeding. (In Italian.) Not. sulle Mal. delle Piante 19:14-16. Apr./June 1952. 464.8 N84
English summary.

13495 MARINI, E. Sensibility of rice weeds to 2,4-D and MCPA as related with a few cultural methods. (In Italian.) Not. sulle Mal. delle Piante 19:18-21. Apr./June 1952. 464.8 N84
English summary.

13496 MÁRSICO, O. J. V. Modernos procedimientos de destrucción de malezas. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:409-410. 1951/52. 9 Ag874

13497 MATHIEU, A. M. The onion dies. Farm Q. 7(4):36-39,91-93. Winter 1952. 6 F22995
Control of Allium vineale.

13498 NIKOLOVSKI, B. The struggle with weeds. (In Serbo-Croatian.) Socijalisticko Zemjodelstvo 4(5):21-28. May 1952. 280.28 So7
Yugoslavia.

13499 NUTTER, G. C., and CORNMAN, J. F. Endothal for clover control. Golf Course Rptr. 20(5): 10-12. Sept./Oct.1952. 60.18 G83

13500 PEETERS, F. J. Thistles. (In Flemish.) Cult. en Handel 18:536-537. Sept.1952. 80 C892

13501 PINHEIRO, J. V., and KRUG, H. P. Côntrole de ervas daninhas em sementeiras de eucalipto [Control of weeds in Eucalyptus seedplots]. Co. Paulista de Estradas de Ferro. Serv. Florestal. B. 2,18 p. 1951. 99.9 C738

13502 REA, H. E. Control of early weed and grass seedlings in cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1508, 4 p. Nov.14,1952. 100 T31P

13503 RICHARDSON, J. M. Short-fruited wild turnip (Rapistrum rugosum All). So. Austral. Dept. Agr. J. 56: 73-74. Sept.1952. 23 So84

13504 RUSSELL, M. Weed battle. Colo. Rancher & Farmer 6(20):1,28. Oct.25,1952. 6 C714

13505 SCHAUS, R. G. Juniper eradication in the West. Amer. Cattle Prod. 34(6):11-12. Nov.1952. 49 P94

13506 SCHRADER. Die unkrautbekämpfung. Hannoversche Land- u. Forstwirt. Ztg. 105:397-398. Apr.19,1952. 18 H194

13507 SHENEFELT, R. D. Residual effect of chlordane on crabgrass when applied to lawn for control of sod webworm [Crambus sp.]. J. Econ. Ent. 45:895. Oct. 1952. 421 J822

13508 SIMON, J. Plan for removing weeds from the soil under different conditions. (In Czech.) Za Socialist. Zeměděl. 2:125-144. Feb.1952. 19.5 Z1
Czechoslovakia.

13509 SOKOLOV, N. S. Weeds and their elimination. (In Czech.) Za Socialist. Zeměděl. 2:182-187. Feb.1952. 19.5 Z1
Czechoslovakia.

13510 SWEET, R. D. Chemical weeding of vegetables. Conn. Veg. Growers' Assoc. Proc. 39:31-37. 1952. 75.9 C76
Includes discussion.

13511 THAKUR, C. Effect of MCP on nutgrass [Cyperus rotundus]. Agron. J. 44:589-590. Nov.1952. 4 Am34P

13512 THOMPSON, D. R. Farm weeds: an aid to their recognition; colour plates reproduced from water-colours. London,Shell Chem.,1952? 32 p. 79 T37

13513 TOMASELLI, R. Control of weeds of rice and clover fields with "Methoxon." (In Italian.) Not. sulle Mal. delle Piante 19:40-43. Apr./June 1952. 464.8 N84
English summary.

13514 TOMASELLI, R. Phytosociological survey of rice field weeds using 2,4-D. (In Italian.) Not. sulle Mal. delle Piante 19:28-40. Apr./June 1952. 464.8 N84
English summary.

13515 TOMASELLI, R. Summer-fall control of buttercups [Ranunculus] on clover fields with 2,4-D. (In Italian.) Not. sulle Mal. delle Piante 19:43-47. Apr./June 1952. 464.8 N84
English summary.

13516 TOMASELLI, R. Weed control of giant reed fields. (In Italian.) Not. sulle Mal. delle Piante 19:23-28. Apr./June 1952. 464.8 N84
English summary.

13517 U. S. RURAL ELECTRIFICATION ADMIN. REA standard for herbicides for rural power systems. U. S. Rur. Electrif. Admin. REA Specif. C-2,1 p. Feb. 1952. 1.933 Sp36

13518 WALDRIP, W. J., and WILSON, D. G. What is being done about cedar? Sheep & Goat Raiser 32(8):28, 31. May 1952. 45.8 Sh3
Juniperus.

13519 WEBB, L. J. Nitrate content and toxicity of Queensland plants. Austral. Inst. Agr. Sci. J. 18:164-167. Sept.1952. 23 Au74

13520 WHITWORTH, S. E. Sagebrush control in Beaverhead County. Mont. Wool Grower 26(11):24-26. Nov.1952. 45.8 M762

13521 WILLIS, J. D. Methods used to eradicate vegetation along creeks, drains and sloughs in the Shasta area. Calif. Mosquito Control Assoc. Proc. & Papers 20: 90-92. 1952. 428 C763

MISCELLANEOUS ECONOMIC PLANTS
(Drug, Dye, Rubber, Etc.)

13522 ASHLEY, T. E. Tung investigations are important part of work of South Mississippi Station. Miss. Farm Res. [Miss. Sta.] 15(9):5. Sept.1952. 100 M69Mi

13523 BUSH, I. E., and TAYLOR, D. A. H. The paper-chromatographic examination of the cardiac aglycones of Strophanthus seeds. Biochem. J. 52:643-648. Ref. Dec.1952. 382 B52

13524 CHAVANCY, A. L'abrasin [Aleurites] en Indochine. Agron. Trop. [Nogent-sur-Marne] 7:455-486 (Cont.) Sept./Oct.1952. 26 Ag86

13525 COLLURA, A. M. La amapola azul. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:147-148. 1951/52. 9 Ag874
Papaver somniferum.

13526 DAVIES, R. M. An account of the vegetative propagation of tea in Ceylon. Rhodesia Agr. J. 49:229-234. July/Aug.1952. 24 R34

13527 FISCHER, E. Plantes medicinales. Lausanne, 1952? 64 p. (Petits Atlas de Poche Payot 21) 459.6 F52Af
Issued also in German under title: Heilpflanzen (459.6 F52)

13528 GONZÁLEZ LAGUINGE, E. M. El guayule y su cultivo. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:310-315. 1951/52. 9 Ag874

13529 GRIGOR'EV, G. V. "Selitrianka"—shrub for shelterbelt silviculture in the semi-desert. (In Russian.) Lesn. Khoz. 5(4):32. Apr.1952. 99.8 L5622

13530 HASHIMOTO, G. Estudo de vegetais que aparecem nas feiras de S. Paulo [Study of the plants appearing in the markets in São Paulo]. São Paulo. Inst. Kurihara da Cien. Nat. Bras. B. 1,126 p. Ref. Feb.1951. 516 Sa63

13531 HERB SOCIETY OF AMERICA. A primer for herb growing. Boston,1952? 11 p. 97.21 H41P

13532 HOLTTUM, R. E. Zingiberaceae cultivated in southern Asia. Indian J. Genet. & Plant Breeding 11:105-107. June 1951. 64.8 In2

13533 INDIA. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH. PHARMACEUTICALS AND DRUGS RESEARCH COMMITTEE. Distribution of British pharmacopoeial drug plants and their substitutes growing in India, by S. L. Nayar and I. C. Chopra. New Delhi,1951. 56 p. 460.12 In23

13534 INDIAN TEA ASSOCIATION. SCIENTIFIC DEPT. Annual report, 1951. Tocklai,1951. 36 p. 68.19 T56

13535 KAWATANI, T. Studies on the parasitic cultivation of ergot with Claviceps litoralis Kawatani. III. (In Japanese.) Japan. Natl. Hyg. Lab. B. 69:165-221. Dec.1951. 449.9 J27
English summary.

13536 KHAN, M. S. Anona squamosa, Linn. Indian Forester 78:469-470. Sept.1952. 99.8 In2

13537 MACHADO, A. El uso de la correlación y de la regresión en los sistemas de investigación. Cent. Nac. de Invest. de Café. Bibliot. B. Inform. 3(31):25-44. Ref. July 1952. 68.29 C332
In coffee research.

13538 MANN, L. K. Discoveries made in garlic tests. West. Grower & Shipper 23(12):143-144. Nov. 1952. 280.38 W52
Culture.

13539 MERRILL, S., JR., and KILBY, W. W. Effect of cultivation, irrigation, fertilization, and other cultural treatments on growth of newly planted tung trees. Amer. Soc. Hort. Sci. Proc. 59:69-81. June 1952. 81 So12
At White Sand, Miss.

13540 MERRILL, S., JR. Methods of selecting tung seedlings. Amer. Tung News 3(10):9,13. Nov.1952. 307.8 Am33

13541 MIKES, J. Ergot production. (In Czech.) Za Socialist. Zemedel. 2:957-962. Aug.1952. 19.5 Z1

13542 MINTZER, M. G. Yuchan o palo borracho (Chorisia insignis H. Kth.). Argentina. Min. de Agr. y Almanaque 26/27:185-190. 1951/52. 9 Ag874

13543 MOHAMED, A. F., and HALIM, Y. Agar from Egyptian seaweed. Amer. J. Bot. 39:689-690. Nov.1952. 450 Am36
Pterocladia capillacea.

13544 MOLFINO, J. F. Plantas medicinales de la flora argentina. Chacra 23(264):66. Nov.1952. 9 C34

13545 MUENSCHER, W. C. Herb recollections [Ruta graveolens]. Herb Grower Mag. 6:150-151. Oct./Dec. 1952. 80 Am316

13546 NEFF, M. S. Tung planting and cultivation. Amer. Tung News 3(10):7. Nov.1952. 307.8 Am33

13547 OBERNBERG, H. VON. Matricaria chamomilla L.—die echte kamille. Berlin. u. Münch. Tierärztl. Wchnschr. 65:229-232. Ref. Nov.1952. 41.8 B45

13548 OLBERG, G. Ruderalpflanzen als bienentrachtpflanzen. Hess. Biene 88:153-155. Sept.1952. 424.8 B476

13549 ONOFRY, A. El cultivo industrial de "Arundo donax" en Ramallo (Argentina). Rev. Argentina de Agron. 19:133-139. Sept.1952. 9 R327

13550 OSSADCHA-JANATA, N. Herbs—in Ukrainian folk medicine. I. Gard. J. 2:171-172,188. Nov./Dec.1952. 80 G1635

13551 PISETZKY, F. M. Maravillosas plantas del oriente peruano aumentan la fecundidad. Res 20:27404-27405,27408. Sept.20,1952. 286.85 R31

13552 RANGACHARLU, V. S. Cacao or the chocolate tree. Indian Farming (n.s.)2(7):18-19. Oct.1952. 22 In283

13553 ROUSSY, L. Les merveilles de la flore mellifère, la primevère officinale (Primulas veris - Primulacées). Gaz. Apic. 53:291-292. Oct.1952. 424.8 G25

13554 SALOM CALAFELL, J. El algarrobo, fuente de riqueza. Hacienda 47(11):48-49. Nov.1952. 6 H11
Culture.

13555 SAMOSADOVA, K. ΠA. Shelterbelts as an additional source of honey flow for honeybees. (In Russian.) Pchelovodstvo 29(3):38-41. Mar.1952. 424.8 P295

13556 SARMANHO, W. L. Coffee growing problems. Coffee & Tea Indus. 75(11):43-44. Nov.1952. 389.8 Sp4

13557 SCHWEIZER, J., and GILS, G. E. VAN. Conference of rubber research institutes, Far East, held at Bogor from July 15 to July 20, 1952. (In Dutch.) Bergcultures 21:351,353,355,357,359. Sept.1,1952. 22.5 B45

13558 SCHWEIZER, J. Killing old Hevea stands with sodium arsenite. (In Dutch.) Bergcultures 21:340-343, 345,347,349. Sept.1,1952. 22.5 B45
English summary.

13559 SIMMONDS, N. W. Bananas and Manila hemp. World Crops 4:407-409. Dec.1952. 281.8 W892

13560 SOUZA, W. W. C. DE. Restoration of coffee plantations. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:688-694. Aug.1952. 68.29 Sa63

13561 STOEBER, P. Eine nutzbare wildbeerengruppe [Sorbus aucuparia]. Unser Wald 5(9):17. Sept. 1952. 99.8 Un7

13562 STORTI, N. Especies aromáticas utiles: las Salvias. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:283-284. 1951/52. 9 Ag874

13563 TROFIMOV, T. T. Vegetative propagation of Corydalis halleri Willd. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(3):68-76. Ref. 1952. 511 M85

13564 TYLER, V. E., JR., and SCHWARTING, A. E. The culture of Claviceps purpurea. I. Growth and nutrition in submerged culture. Amer. Pharm. Assoc. J. Sci. Ed. 41:590-594. Ref. Nov.1952. 396.9 Am33J

13565 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Pyrethrum [Chrysanthemum cinerariaefolium], by M. S. Lowman. Washington?1952. 7 p. 1.965 T2P99
Culture, harvesting, yields, and losses.

13566 VOGÜE, A. DE. Les progrès techniques de l'hévéaculture en Indochine depuis 1945. Soc. Belge d'Etudes et d'Expansion. B. 51:648-653. Aug./Oct.1952. 280.8 So17

13567 WALKER, A. Emplois de Lonchocarpus sericeus au Gabon. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:396-397. July/Aug.1952. 26 R323

13568 WEISS, F. J. The useful algae. Sci. Amer. 187(6):15-17. Dec.1952. 470 Sci25

13569 WOODWARD, F. H. Seaweeds—a new source of chemicals and food. World Crops 4:403-407. Dec.1952 281.8 W892

SOILS AND FERTILIZERS

SOIL SCIENCE

13570 BENNEKOM, H. VAN. Soil science. (In Dutch.) Zaad-, Bloem- en Bollenwereld 16:349-351. Aug.1952. 61.8 Z12

Soil Physics

13571 BARBRE, C. The story behind krilium. Mega 12(4):33-35. Sept.1952. 90.32 M52B

13572 BEZUSYJ, G. Soil ridges retain moisture. (In Czech.) Za Socialist. Zeměděl. 2:214-215. Feb. 1952. 19.5 Z1

13573 BLANCO M., G. Que es el crilio? Agronomia [Monterrey] 23:4,7. July/Aug.1952. 8 Ag828

13574 BLONDEL, L. Humus structure du sol, perméabilité. Rev. Agr. de l'Afrique du Nord 50:602-611. Sept.5,1952. 80 R326

13575 COLBY, W. G. Soil conditioners—old and new. Horticulture 30:417,435. Nov.1952. 80 H787

13576 DUBIEF, J. Le problème de l'evaporation des sols en Algérie. Rev. Agr. de l'Afrique du Nord 50:557-560. Sept.5,1952. 80 R326
From L'Agria.

13577 GRUBINGER, H. Bodenwasserhaushalt. Osterr. Landtech. 5:82-84. Mar.1952. 58.8 L236

13578 KENNEDY, A. P. Some factors influencing infiltration into soils under natural and artificial rainfall. N. S. Wales Soil Conserv. Serv. J. 8:115-121. July 1952. 56.9 N472

13579 KERN, H. Die temperaturverhältnisse in niedermoorboden im gegensatz zu mineralboden. Landwirt. Jahrb. f. Bayern 29:587-602. Sept./Oct.1952. 18 L24

13580 LEMMON, A. B. Soil conditioners in fertilizer? Agr. Chem. 7(11):37-38,97,99. Nov.1952. 381 Ag8

13581 LORCH, J. The International Symposium on Deserts. (In Hebrew.) Hassadeh 32:502-504. (Concl.) Aug./Sept.1952. 26 H27

13582 MONAHAN, A. C. Soils solidified by chemicals. Chemistry 26(3):1-6. Nov.1952. 381 J826A

13583 OTA, T., and HATANAKA, H. Survey of orchard soil moisture in dry period of 1951. (In Japanese Kyushu Noji Shikenjo 9:69-70. Mar.1952. 107.6 K996

13584 POZZI-ESCOT, M. E. Determinación del agua de impregnación de la tierra arable formando el plasma del suelo, talmente diferente del agua perdida a la desecación. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:288. May 1952. 385 R322

13585 RAINERI, C. Mechanical structure of the soil and conditioners for increasing fertility. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(99):1-2. Nov.25, 1952. 281.8 Ag3

13586 SINGH, K. A soil compactometer. J. Sci. Food & Agr. 3:501-505. Ref. 382 So12

13587 SWANSON, C. L. W. Some physical facts about Connecticut soils. Conn. (State) Agr. Expt. Sta. Spec. B. Soils X,8 p. Feb.29,1952. 56.9 C767

13588 TEIPEL, R. Das ausmass der strukturschäden auf verschiedenen böden Thüringens, untersucht an 140 profilen. I. Deut. Landwirt. 3:587-591. (Cont.) Nov.1952. 18 D4822

13589 TOLNER, J. Soil fertility and krilium. III. (In Dutch.) Nieuwe Veldbode 19:42-44. (Cont.) Oct.16, 1952. 12 V542N

13590 TOLNER, J. Soil fertility and krilium. IV. (In Dutch.) Nieuwe Veldbode 19:62-65. Oct.23,1952. 12 V542N

13591 VRIES, D. A. DE. Het warmtegeleidingsvermogen van grond. The thermal conductivity of soil. Landbhogesch. Meded. 52,73 p. Ref. 1952. 105.2 W122
English summary.

13592 ZAMÍÂTINA, V. B., and CHERNIKOVA, T. N. Fast method of determining the moisture of soils. (In Russian.) Sovet. Agron. 10(10):70-75. Oct.1952. 20 So84
Infrared rays.

Soil Chemistry and Mineralogy

13593 ANDERSON, A. J. The significance of sulphur deficiency in Australian soils. Austral. Inst. Agr. Sci. J. 18:135-139. Ref. Sept.1952. 23 Au74
Effects on plants and animals.

13594 AOMINE, S., and WADA, K. Studies on the fixation of ammonium in soils. III. (In Japanese.) J. Sci. Soil & Manure, Japan 22:315-318. June 1952. 56.8 J27
English summary.

13595 ARCA BIELICH, M. Estudio comparativo en la determinación del fosforo y el potasio por los métodos de solventes químicos y el método fisiológico de Neubauer en los suelos del C. N. de I. Y E. A. de La Molina. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:288,290. May 1952. 385 R322

13596 BAIER, W. E. Boron problems in the citrus industry. Chemurg. Digest 11(11):8-10. Nov.1952. 381 N213Na

13597 BAKHULIN, M. D., and TERÍAEVA, A. I. Agrochemical analysis of types of peat with a high ash content. (In Russian.) Vsesoiùzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(10):27-31. 1952. 20 Ak1
Peat soils and peat for fertilizer.

13598 BEATER, B. E. A method for the rapid assessment of the fertility status of the soil. Chem. & Indus. 47:1150-1152. Nov.22,1952. 382 M31C

13599 BREMNER, J. M. The nature of soil-nitrogen complexes. J. Sci. Food & Agr. 3:497-500. Ref. Nov.1952. 382 So12

13600 BRYAN, O. C. Deceptive nature of soil pH analyzed and explained. Fla. Grower 60(8):10,13. Aug. 1952. 80 F6622

13601 CHAPMAN, H. D., LAURANCE, B. M., and BINGHAM, F. T. Salinity changes in irrigated soils. Calif. Citrog. 38(2):46,58. Dec.1952. 80 C125

13602 CHIOETTO, F. Soil analyses; the problem of chemical extraction of the assimilable fraction of nutritive elements. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):375-386. 1952. 388 C765Re
English summary.

13603 CULVER, A. J., JR. Inactivation of phenyl mercury triethanol ammonium lactate by colloidal clays in vitro. (Abs.) Phytopathology 42:513. Sept.1952. 464.8 P56

13604 EBERT, D. Die spatendiagnose und ihre anwendung. Deut. Landwirt. 3:397-399. Aug.1952. 18 D4822

13605 EVANS, E., and GOTTLIEB, D. The role of gliotoxin in the soil. (Abs.) Phytopathology 42:465-466. Sept.1952. 464.8 P56

13606 FUNABIKI, T., and GOTO, K. A simple method for estimating the exchangeable bases in soils. (In Japanese.) J. Sci. Soil & Manure, Japan 22:331-332. June 1952. 56.8 J27

13607 GROOTE, R. DE. Injurious elements in irrigation water. (In Flemish.) Cult. en Handel 18:588-590. Oct.1952. 80 C892
To plants.

13608 HAFNER, S., and MÄRKI, P. Chemische veränderungen des erdbodens bei menschlichen siedlungen. Leben u. Umwelt 9:36-42. Ref. Nov.1952. 410 L49

13609 HASHIMOTO, S., and SAKAGAMI, A. Studies on manganese-deficient soils. III. (In Japanese.) J. Sci. Soil & Manure, Japan 22:279-282. Ref. June 1952. 56.8 J27
English summary.

13610 HENDE, A. VAN DEN, COTTENIE, A., and JONGHE, P. DE. The value of some methods for chemical soil analysis applied to several Belgian soils. (In Flemish.) Gent. Landbouwhogesch. Meded. 17:353-358. June 1952. 105.1 G344
English summary.

13611 HÉNIN, S., and DUPUIS, J. Nouvelles considérations sur la pectographie des colloides des sols et formations superficielles. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:327-334. May/June 1952. 14 F8499

13612 KAMOSHITA, Y., and KOBAYASHI, K. On the qualitative test for easily soluble iron in soils. (In Japanese.) J. Sci. Soil & Manure, Japan 22:328-330. June 1952. 56.8 J27
English summary.

13613 KAMOSHITA, Y., and OKADA, H. Rapid method of determining the absorptive power of soils for phosphoric acid by Spurway's method. (In Japanese.) J. Sci. Soil & Manure, Japan 22:313-314. June 1952. 56.8 J27
English summary.

13614 KUDRIN, S. A. Phosphorus circulation in the soil and conversion of phosphate fertilizers. (In Russian.) Agrobiologiîà 5:91-101. Ref. Sept./Oct.1952. 20 Ag822

13615 MEHLICH, A., and COLEMAN, N. T. Type of soil colloid and the mineral nutrition of plants. Advn. Agron. 4:67-99. Ref. 1952. 30 Ad9

13616 MUKHERJEE, M. K. Phosphates in Indian red and laterite soils. Sci. Club J. 6:29-32. June/Aug.1952. 475 Sci29

13617 MULDER, E. G., and GERRETSEN, F. C. Soil manganese in relation to plant growth. Advn. Agron. 4: 221-277. Ref. 1952. 30 Ad9

13618 NODA, M., and SAIO, K. Studies on the phosphate fixing capacity by iron and aluminum in soil. 2. (In Japanese.) J. Sci. Soil & Manure, Japan 22:273-278. June 1952. 56.8 J27
English summary.

13619 PAVEL, L. Fulvene acids—a valuable part of soil. (In Czech.) Za Socialist. Zeméděl. 2:838-841. July 1952. 19.5 Z1

13620 PICCI, G. A method of determination of the sulfur in the soil by means of Aspergillus niger. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1405-1409. 1952. 16 An76
English summary.

13621 SEMB, G. Soil investigation in connection with field tests. (In Norwegian.) Tidsskr. f. det Norske Landbr. 59:230-242. July/Aug.1952. 11 T433

13622 SHIHA, K., and KODAIRA, F. Studies on the minor elements contained in the soil and some green leaves. 5-6. (In Japanese.) J. Sci. Soil & Manure, Japan 22:308-312. June 1952. 56.8 J27
English summary.

13623 SPEK, J. VAN DER. What is meant by knik or knip soil [a very impervious clay layer]? (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:325-327. Sept.1952. 12 N383M

Soil Biology

13624 BALICKA, N. The influence of mixed culture of red clover and timothy on the microflora in their rhizosphere. (In Polish.) Acta Microbiol. Polon. 1:58-64. Ref. 1952. 448.3 Ac82
English summary.

13625 BURMAN, J. H. Soil fauna; how vital to soil life, and your life, are these unseen, hard-working organisms! Org. Gard. 20(12):24-25,39-40. Dec.1952. 56.8 Or3

13626 CARLETON, M. Earthworms: good or bad? Amer. Rose Mag. 10(10):14-15. Oct.1952. 80 Am327A

13627 CONNELL, T. D. A survey of bacteria antagonistic to Pythium arrhenomanes in Louisiana sugarcane soils. (Abs.) Phytopathology 42:464. Sept.1952. 464.8 P56

13628 DUTTON, L. O. Probable role of airborne soil bacteria in perennial hay fever and asthma. Ann. Allergy 10:615-619. Sept./Oct.1952. 448.8 An72

13629 EHRLICH, J., and others. Streptomyces venezuelae: soil studies. Antibiotics & Chemother. 2: 595-596. Nov.1952. 396.8 An8
L. E. Anderson, G. L. Coffey, and D. Gottlieb, joint authors.

13630 GOTTLIEB, D., SIMINOFF, P., and MARTIN, M. M. The production and role of antibiotics in soil. IV. Actidione and clavacin. Phytopathology 42:493-496. Ref. Sept.1952. 464.8 P56

13631 HAUKE-PACEWICZOWA, T. Selection of Rhizobium suitable for inoculation of Galega officinalis. (In Polish.) Acta Microbiol. Polon. 1:36-38. 1952. 448.3 Ac82
English summary.

13632 JEFFERYS, E. G. The stability of antibiotics in soils. J. Gen. Microbiol. 7:295-312. Ref. Nov.1952. 448.3 J823

13633 KUZNIAR, K. The energy of cellulose decomposition in the soils of the National Park in Pieniny mountains. (In Polish.) Acta Microbiol. Polon. 1:52-57. 1952. 448.3 Ac82
English summary.

13634 MALISZEWSKA, W. The microbial characteristics of the soils from statistical experiments in Agr. Exp. Station Gołębiew. (In Polish.) Acta Microbiol. Polon. 1:123-136. Ref. 1952. 448.3 Ac82
English summary.

13635 MASEFIELD, G. B. The nodulation of annual legumes in England and Nigeria: preliminary observations. Empire J. Expt. Agr. 20:175-186. July 1952. 10 Em7

13636 MUGGLETON, P. W., and WEBB, M. The exocelluar bacteriolytic system of soil Actinomyces. IV. Biochim. et Biophys. Acta 9:343-355. Ref. Oct.1952. 381 B522

13637 OKAMI, Y. On the new Streptomyces isolated from soil. J. Antibiotics 5:477-480. Sept.1952. 396.8 J824

13638 OXLEY, C. D., and GRAY, E. A. The microbiology of four steamed soils. J. Agr. Sci. 42:353-361. Ref. Oct.1952. 10 J822
Great Britain.

13639 POWELL, T. Emphasis on earthworms. Org. Gard. 20(12):48-49,59-60. (Cont.) Dec.1952. 56.8 Or3

13640 ROHDE, G. Bodenbedeckung und bodenleben. Deut. Landwirt. 3:591-597. Ref. Nov.1952. 18 D4822
Russian Zone of Germany.

13641 SCHREAD, J. C. Habits and control of the Oriental earthworm. Conn. (State) Agr. Expt. Sta. B. 556, 15 p. Aug.1952. 100 C76St

13642 SOPRUNOV, F. F., and SOPRUNOVA, N. ÍA. On interrelations between predatory soil fungi and nematodes. (In Russian.) Mikrobiologiíà 21(1):23-30. Ref. Jan./Feb.1952. 448.3 M582
Didymozoophaga.

13643 STOVER, R. H., THORNTON, N. C., and DUNLAP, V. C. Changes in the soil flora of banana lands flood fallowed for the eradication of Fusarium oxysporum cubense. (Abs.) Phytopathology 42:476. Sept.1952. 464.8 P56

13644 SUSHKINA, N. N. Present-day data on the ecology of Azotobacter chroococcum. (In Russian.) Mikrobiologiíà 21(1):96-108. Ref. Jan./Feb.1952. 448.3 M582

13645 WAKEMAN, S. A. Soil microbiology. New York,Wiley,1952. 356 p. Ref. 56.5 W13So

13646 WALKER, N., and EVANS, W. C. Pathways in the metabolism of the monohydroxybenzoic acids by soil bacteria. (Abs.) Biochem. J. 52:xxiii-xxiv. Dec. 1952. 382 B52

13647 WILCKE, J. Soil fauna and soil fertility. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:288-298. Aug.1952. 12 N383M

13648 WROBEL, T. The influence of 2,4-D on Rhizobium. (In Polish.) Acta Microbiol. Polon. 1:39-41. 1952. 448.3 Ac82
English summary.

13649 ZRAZHEVSKII, A. I. Methods of investigating the activity of earthworms in soils under a forest canopy. (In Ukrainian.) Akad. Nauk Ukrain. RSR. Inst. Lisivnytstva. Pratsi 2:3-42. Ref. 1951. 99.9 K54
Russian summary.

Soil-Plant-Animal Relationships

13650 GILBERT, F. A. Trace minerals mean better health. Battelle Tech. Rev. 1:96-97. Sept.1952. 470 B32

13651 HICKS, SIR C. S. El suelo y la salud. Tierra [México] 7:446-447,464-465. July 1952. 8 T445

Soil Genesis, Formation, Classification, and Mapping

13652 BESKOW, G. Amerikansk och svensk jordklassifikation speciellt för vägar och flygfält. American and Swedish soil classification especially for highways and airfields. Stockholm,Haeggström,1951. 48 p. (Gothenburg. Chalmers Tekniska Högskola. Handlingar, 111) 56.1 B46

13653 BRICHETEAU, J. Contribution à l'étude des sols de la plaine de la Mitidja. Algeria. Inst. Agr. Ann. 6(7),12 p. Feb.1952. 108 AL35

13654 CALTON, W. E. The use of the catena in Tanganyika Territory. Soils & Fert. 15:369-371. Dec. 1952. 241 Im7Sf

13655 GT. BRIT. SOIL SURVEY RESEARCH BOARD. Soil survey of Great Britain. Gt. Brit. Soil Survey Rès. Bd. Rpt. 4,34 p. 1952. 56.9 G792

13656 HENDERSON, A. F. C. Granitic soils: their horticultural uses. Queensland Fruit & Veg. News 2(43): 13. Sept.5,1952. 280.38 Q3

13657 KANNO, I. Humus contents and C/N ratios of the Japanese volcanic ash soils. (In Japanese.) Kyushu Noji Shikenjo 9:61-62. Mar.1952. 107.6 K996

13658 KANNO, I., and NAGAI, M. Mechanical analysis of the Japanese volcanic ash soils. II. On the yellowish brown type of Kuroishibara, Kumamoto Prefecture. (In Japanese.) Kyushu Noji Shikenjo 9:59-60. Mar.1952. 107.6 K996

13659 KANNO, I., NAGAI, M., and ARIMURA, S. A pedological investigation of the Japanese volcanic ash soils in Japan. II. (Sum.) Kyushu Noji Shikenjo 9:3-4. Mar.1952. 107.6 K996

13660 KANNO, I., NAGAI, M., and ARIMURA, S. Studies on the red soil developed on the limestone plateau of Akiyoshidai, Yamaguchi Prefecture. (In Japanese.) J. Sci. Soil & Manure, Japan 22:269-272. Ref. June 1952. 56.8 J27
English summary.

13661 MANCINI, F. Études sur le pedogenèse de sols calcaires. (In Italian.) Italia Forest. e Mont. 7:191-194. July/Aug.1952. 99.8 It12
French summary.

13662 MINSER, E. The Iowa soil survey. Iowa Agr. 51(3):11,42. Nov.1952. 6 Io9

13663 MOORMANN, F. R. Bodemkaart van Belgie. Carte des sols de la Belgique. Verklarende tekst bij het kaartblad. Texte explicatif de la planchette de Lampernisse, 51, W. Brussels?1951. 55 p. 56.24 M78Bo

13664 MOORMANN, F. R. Bodemkaart van België. Carte des sols de la Belgique. Verklarende tekst bij het kaartblad. Texte explicatif de la planchette de Nieuwpoort-Nieuport, 36, W. Brussels?1951. 52 p. 56.24 M78Bod

13665 MOORMANN, F. R. Bodemkaart van België. Carte des sols de la Belgique. Verklarende tekst bij het kaartblad. Texte explicatif de la planchette d'Oostduinkerke, 35, E. Brussels?1951. 40 p.and map. 56.24 M78B

13666 PRINCIPI, P. The agricultural soils of Sicily. XVII. (In Italian.) Italia Agr. 89:669-682. Oct. 1952. 16 It1

13667 ROLFE, B. N., and JEFFRIES, C. D. A new criterion for weathering in soils. Science 116:599-600. Nov.28,1952. 470 Sci2

13668 RUIZ, J. I., and GARCIA ESPINEL, A. Suelos; breve descripción de las series de suelos dominantes en las principales regiones agrícolas de Colombia. Rev. Nac. de Agr. 46(570):13-17,19-23,25-29,31-34. Oct.1952. 9.4 R32

13669 SAFAR, R. Der boden als baugrund. Landwirtschaft 21/22:338-340. Nov.1952. 19 L235
Soil types in Austria.

13670 THOMPSON, C. H. A soil survey of the northern portion of the Parish of East Prairie, Darling Downs, Q'ld. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt. 5/52,20 p. July 1952. 56.9 Au7

13671 WRIGHT, A. C. S., and MILLER, R. B. Soils of south-west Fiordland. New Zeal. Dept. Sci. & Indus. Res. Soil Bur. B. (n.s.)7,31 p. Mar.1952. 56.9 N483

SOIL MANAGEMENT

13672 CALZECCHI-ONESTI, A. Hill protection. (In Italian.) Gior. di Agr. 62:357. (Cont.) Nov.23,1952. 16 It1G
Reclamation.

13673 CASPARE, H. E. 28 years of biodynamic development. (In Dutch.) Nederlandse Ver. tot Bevord. der Biol.-Dyn. Landb- Methode. Vruchtbare Aarde. 10:55-61. Sept.1952. 80 N28

13674 CUOMO, E. I. Manejo de los suelos negros. Chacra 23(264):8-9,69. Nov.1952. 9 C34

13675 DIMBLEBY, G. W. Soil regeneration on the north-east Yorkshire moors. J. Ecol. 40:331-341. Ref. Oct.1952. 450 J829

13676 DROUINEAU, G., LEFEVRE, G., and BLANC-AICARD. Observations sur l'effet de la paille enfouie ou mise en couverture, sur l'économie de l'azote minéral sous le climat méditerranéen. Acad. d'Agr. de France. Compt. Rend. 39:442-444. June 25/July 9,1952. 14 P215Bc

13677 EHWALD, F. E. Massnahmen zur erhaltung und mehrung der bodenfruchtbarkeit. Wald 2:306-309. Oct.1952. 99.8 W143

13678 FLAY, A. H. Cropping and its effect on soil fertility. (A). Lincoln Col. Farmers' Conf. Proc. 1952: 7-16. 27 L63
Includes discussion.

13679 GARRE, A. L. Las enfermedades, la nutrición y la fertilizacion de la tierra. Bolsa de Com. Rosario. Rev. 40(977):5-6,8. Sept.30,1952. 287 R71

13680 GRIFFITH, M. Taking the plough up among the hills. Power Farmer 9:160-161. Nov.1952. 58.8 P872
Soil management.

13681 KAWAMORI, T. On the effect of ferruginous materials, as applied to the rice plants grown in degraded paddy soil, to the barley after the rice harvest. (In Japanese.) J. Sci. Soil & Manure, Japan 22:283-287. June 1952. 56.8 J27
English summary.

13682 KOBAYASHI, T. Studies on the low productive soils in reclaimed lands. V. (In Japanese.) J. Sci. Soil & Manure, Japan 22:293-296. June 1952. 56.8 J27
English summary.

13683 LAUWAET, P. Les sols congolais,principaux remèdes à leur dégradation. B. Hort. (n.s.)7:298-303. Ref. Oct.1,1952. 80 B873

13684 MATTHEWS, T. H. Farm cropping and manuring programmes. Kent Farmer 1:239,241. Sept.1952. 10 K412

13685 MONTI, P. Reclamation of the Baraggia Vercellese. (In Italian.) Riso 1(8):5-8. Sept.1952. 59.8 R49

13686 MYERS, R. E. A geologist looks at conservation. Pa. Farmer 147(10):381,404. Nov.22,1952. 6 P383
Watershed management.

13687 PHILLIPS, R. Marginal land. Brit. Vet. J. 108:368-375. Oct.1952. 41.8 V643
Reclamation.

13688 RODRIGUEZ, A. Efectos de la quema sobre los suelos de la serie Chinchina. Cent. Nac. de Invest. de Café. Bibliot. B. Inform. 3(30):34-46. Ref. June 1952. 68.29 C332
Colombia.

13689 SKVORCOV, A. F. System of soil maintenance in fruit orchards. (In Czech.) Za Socialist. Zemédél. 2: 415-418. Apr.1952. 19.5 Z1
Czechoslovakia.

13690 SLATER, G. S. Cropping and its effect on soil fertility. (B). Lincoln Col. Farmers' Conf. Proc. 1952:16-20. 27 L63
Includes discussion.

13691 SMITH, C. S. New life for Foulshaw. Farmers Wk. [London] 37(13):68-69. Sept.26,1952. 10 F2226
Rehabilitation of land in Great Britain and cost of improvements.

13692 SWANSON, C. L. W. The net worth of our Northeastern soils. Conn. (State) Agr. Expt. Sta. Spec. B. Soils XI,7 p. May 14,1952. 56.9 C767

13693 SWANSON, C. L. W. Our soil—a basic natural resource. Conn. (State) Agr. Expt. Sta. Spec. B. Soils I/500,7 p. Jan.30,1952. 56.9 C767
The soil and its management.

13694 TAMHANE, R. V. Land utilisation and management in soil conservation. In Damodar Valley Corporation. Symposium on soil conservation, p.23-24. Hazaribagh,1951. 56.7 D18

13695 TENNESSEE. AGRICULTURAL EXPERIMENT STATION. Soil management for Lawrence County farms according to their soil resources. Tenn. Agr. Expt. Sta. B. 222,48 p. July 1951. 100 T25S

13696 WESTERHOF, J. J. A few words on the reclamation of sandy soils. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:303-311. Aug.1952. 12 N383M

13697 WESTLAKE, A. T. Trying out the actumus technique. Soil Mag. 4:53-55,81. Sept.1952. 56.8 So36

13698 WILSON, C. M. The good earth. So. Austral. Dept. Agr. J. 56:84-85. Sept.1952. 23 So84
Soil management.

Soil Fertility

13699 ACHARYA, C. N. Legumes and the soil. Indian Farming (n.s.)2(7):12-13. Oct.1952. 22 In283

13700 ALBRITTON, R. C. Major emphasis on dairy and pasture research at Northeast Branch Station. Miss. Farm Res. [Miss. Sta.] 15(9):3. Sept.1952. 100 M69Mi
Mainly pasture fertilization.

13701 ALDRICH, D. G. and COONY, J. J. A field response of citrus to phosphorus and potassium fertilization. Amer. Soc. Hort. Sci. Proc. 59:13-21. June 1952. 81 So12

13702 ALDRICH, D. G. A pressure apparatus for tree injection. Amer. Soc. Hort. Sci. Proc. 59:349-351. June 1952. 81 So12
Includes citrus nutrition.

13703 ALDROVANDI, A. Fertilizing of sugar beets in Italy. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):387-400. 1952. 388 C765Re
English summary.

13704 ALDROVANDI, A., and ANTONELLI, C. Fertilizing sugar beets necessary to their culture. (In Italian.) Indus. Sac. Ital. 45:266-279. Ref. July/Aug. 1952. 65.8 In23

13705 ALLAEYS, H. Fertilizing in fruit culture. (In Flemish.) Cult. en Handel 18:599-600. Oct.1952. 80 C892

13706 ANDERSON, A. J. Responses of subterranean clover and lucerne to boron. Austral. Inst. Agr. Sci. J. 18:159-163. Ref. Sept.1952. 23 Au74

13707 ARLAND, A. Die anwendung von mineraldünger im blickfelde der "anwelkmethode." Deut. Landwirt. 3:409-412. Aug.1952. 18 D4822
Russian Zone.

13708 BALLESTEROS, B. Q. Effects upon the growth and yield of upland rice plants of adding animal manure to fertilized and unfertilized soils. Philippine Agr. 35: 207-216. Sept.1951. 25 P542

13709 BAXTER, A. What about sulfur? Crops & Soils 5(3):7-9. Dec.1952. 6 W55
Effect on crops.

13710 BEERI, Z. The absorption of foodstuffs by different vegetables. (In Hebrew.) Hassadeh 32:528-529. Aug./Sept.1952. 26 H27

13711 BERENDES, P. Der kalk als dünger. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1907-1908. Nov.20,1952. 18 L2346

13712 BLIXT, B., and LÖNNEMARK, H. The straw problem is of interest again. (In Swedish.) Lantmannen 36:901-902. Nov.8,1952. 11 L234
Plowing under stubble.

13713 BOSSTRAETEN, F. VAN. Composition of soil and fertilizing in Cyclamen culture. (In Flemish.) Tuinbouwberichten 16:122-123. Aug.15,1952. 80 T817

13714 BOTTINI, E. Phosphate fertilizers and their relation to the structure of soils. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1097-1106. Ref. 1952. 388 C765Re
English summary.

13715 BOYNTON, D., SMOCK, R. M., and ANDERSON, L. C. Short term effects of non-leguminous hay mulch and nitrogen fertilizer separately and in varying combinations on the behavior of McIntosh apple trees. A progress report. Amer. Soc. Hort. Sci. Proc. 59:103-110. June 1952. 81 So12

13716 BURSON, B. M., and KEOGH, J. L. Our soils need fertilizer. Land O'Lakes News 33(8),i.e.,32(10):11-12. Oct.1952. 44.8 L22

13717 CAIN, J. C. A comparison of ammonium and nitrate nitrogen for blueberries. Amer. Soc. Hort. Sci. Proc. 59:161-166. Ref. June 1952. 81 So12

13718 CARR, J. M., and NEAS, I. Influence of fertilizer rates on four varieties of flue-cured tobacco. Ga. Coastal Plain Expt. Sta. C. 22,14 p. June 1952. 100 G292

13719 CHRISTENSEN, P. D., and LYERLY, P. J. Cotton yields in the El Paso Valley in 1951 as influenced by applications of ammonium nitrate and superphosphate. Tex. Agr. Expt. Sta. Prog. Rpt. 1490,3 p. Aug.21,1952. 100 T31P

13720 CHRISTENSEN, P. D., BAYLES, J. J., and LYERLY, P. J. Yield of seed cotton at Pecos in 1951 as influenced by applications of ammonium nitrate and superphosphate. Tex. Agr. Expt. Sta. Prog. Rpt. 1489, 2 p. Aug.21,1952. 100 T31P

13721 CHURCH, B. M. Recent trends in fertilizer practice in England and Wales. I. The national position. Empire J. Expt. Agr. 20:249-256. July 1952. 10 Em7

13722 DALBRO, S. Muriate of potash or sulphate of potash for apples? (In Danish.) Tidsskr. f. Planteavl 55: 578-590. 1952. 11 T439
English summary.

13723 DORPH-PETERSEN, K. Field experiments with anhydrous ammonia as a nitrogenous fertilizer. (In Danish.) Tidsskr. f. Planteavl 55:645-657. 1952. 11 T439
English summary.

13724 DUINKER, A. Lime spreading. (In Dutch.) Landbouwberichten 7:181. Oct.16,1952. 12 L236

13725 DU TOIT, J. L. Foliar diagnosis or leaf analysis; what it is and how it can be applied. So. African Sugar J. 36:613,615,617. Oct.1952. 65.8 So8

13726 ELROD, J. M. Crimson clover is recommended as winter cover crop. Res. News [Ga. Sta.] 3(8):3-4. Oct.1952. 100 G29R

13727 FONDARD, L. Fertilisation azotée rationnelle du blé. Réveil Agr. 61:290-291. Oct.1,1952. 14 R322

13728 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Efficient use of fertilizers. London,Hill,1952. 158 p. 57 F732

13729 FRANKE. Die herbstdüngung des wintergetreides. Landwirt. Z. der Nord-Rheinprov. 119:1110. Oct.11,1952. 18 L2344

13730 FUKAI, T., and KUSHIZAKI, M. The rôle of nitrogen, phosphorus and potassium in the yield of rice-plant in relation to the meteorological conditions. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63: 37-42. Mar.1952. 107.6 H68
English summary.

13731 GACHON, L. Application du diagnostic foliaire au pommier: comparaison de l'alimentation N. P. K. d'arbres adultes et d'arbres agés. Acad. d'Agr. de France. Compt. Rend. 39:477-479. June 25/July 9,1952. 14 P215Bc

13732 GAEL', A. G., and ALEKSEEV, V. D. Fertilizing tree species [Populus] planted in sands. (In Russian.) Les i Step' 4(7):72-75. July 1952. 99.8 L565

13733 GEERING, J. Wie wirkt urgesteinsmehl? Landwirt. Jahrb. der Schweiz (n.s.)1:715-753. 1952. 17 L23

13734 GILAI, B. Soil, rotation and fertility. (In Hebrew.) Hassadeh 32:555-557. Aug./Sept.1952. 26 H27

13735 GISIGER, L. Bericht über einen steinmehldüngungsversuch auf einer magerwiese. Landwirt. Jahrb. der Schweiz (n.s.)1:701-713. 1952. 17 L23

13736 GOOR, C. P. VAN. Litter plunder threatens our forest again. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:238-241. Sept.1952. 99.8 N28
Effects on forest soils.

13737 GOVINDARAJAN, S, V. Improved fertilizer practices to benifit the grow more food drive. Mysore Agr. J. 28:26-29. Jan./June.1952. 22 M993

13738 GRONINGEN, C. VAN. Results of two lenghty phosphate tests on arable land. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:355-360. Sept.1952. 12 N383M

13739 GROS, A. La fumure des céréales d'automne. B. des Engrais 344:148-150. Sept.1952. 57.8 B87

13740 GRUNNET, H. O., and VENDELBOE, B. Experiments on the fertilizing of gooseberries and currants. (In Danish.) Tidsskr. f. Planteavl 55:591-620. 1952. 11 T439
English summary.

13741 GUSTAVSSON, H., and EKBERG, L. The fibre flax and the growth nutrition. (In Swedish.) Lin 6:77-79. Sept.1952. 73.18 L63
English summary.

13742 HAASJES, K. H. S. Value of a field method in plant research. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:327-335. Sept.1952. 12 N383M
Fertilizers.

13743 HALAIS, P. Fumure et irrigation des cultures industrielles de cannes à sucre d'après les indices foliaires. Cong. Internaz. Indus. Agr. Relaz. 9(1):1051-1066. Ref. 1952. 388 C765Re
English summary.

13744 HARMER, P. M. The nutrition of muck crops. Better Crops Plant Food 36(9):6-12,40-41. Nov.1952. 6 B46

13745 HARPER, H. J. Cotton burs and cotton bur ashes as fertilizer for cotton on a claypan soil. Okla. Agr. Expt. Sta. B. B-387,10 p. Oct.1952. 100 Ok4

13746 HARRIS, R. W., and BOYNTON, D. Nitrogen fertilization and cultural practices in relation to growth and fruitfulness of an Elberta peach orchard in New York. Amer. Soc. Hort. Sci. Proc. 59:36-52. Ref. June 1952. 81 So12

13747 HEGE, H. C. Growing your own fertilizer. Soil Sci. Soc. Philippines. J. 4:182-185. Third Q.1952. 56.9 So35

13748 HENDE, A. VAN DEN, SLYCKEN, A. VAN, and COTTENIE, A. Influence of long time, one sided treatments on the production and chemical composition of some grasses and white clover. (In Flemish.) Gent. Landbouwhogesch. Meded. 17:359-366. June 1952. 105.1 G344
English summary.
Fertilizing.

13749 HENDE, A. VAN DEN, SLYCKEN, A. VAN, and ANDRIES, A. Influence of long time one-sided treatment on the production, the botanical and chemical composition of a grass-association. (In Flemish.) Gent. Landbouwhogesch. Meded. 17:367-375. June 1952. 105.1 G344
English summary.

13750 HERVEY, C. Liquid nitrogen - big news. Farm J. 76(12):33,109. Dec.1952. 6 F2212

13751 HJELTNES, A. Tomato fertilizing in greenhouses. (In Norwegian.) Gartneryrket 42:687-690. Oct. 4,1952. 80 G1938

13752 HOPFENGART, M. Stickstoffdüngung im herbst. Landwirt. Wchnbl. 142:1153-1154. (Concl.) Oct.11,1952. 18 L2338

13753 HORLACHER, M. Bundesmittel für phosphorsaüre-dünger! Landwirt. Wchnbl. 142:1151-1152. Oct. 11,1952. 18 L2338

13754 HOVD, A. Liming and effects of liming on bogs. (In Norwegian.) Norsk Landbr. 18:386-388. (Concl.) Oct.24,1952. 11 N8122

13755 ISHIBASHI, H. Influence of soil addition and application of various kinds of materials on the growth and yield of rice plant. (In Japanese.) Kyushu Noji Shikenjo 9:63-64. Mar.1952. 107.6 K996

13756 IVANOV, V. K. In regard to placement of manure and mineral fertilizers in grass-field crop rotations without a clean fallow. (In Russian.) Sovet. Agron. 10(10):59-64. Oct.1952. 20 So84

13757 JACKOBS, J. A. The performance of six grasses growing alone and in combination with legumes with differential nitrogen and phosphate fertilization in a Yakima Valley pasture. Agron. J. 44:573-578. Nov. 1952. 4 Am34P

13758 JAMES, T. H. Cymbidium potting mixture. Austral. Orchid Rev. 17:84. Sept.1952. 80 Au73

13759 JEX, W. F. C. Trash blanketing and fertility; how the soil can be made to benefit. So. African Sugar J. 36:625,627,629. Oct.1952. 65.8 So8

13760 KERN, J. Waldstreunutzung. Bauernwald 6: 30-31. Sept.27,1952. 99.8 B32

13761 KOBAYASHI, T., and others. Studies on the high productivity of paddy field for paddy rice plants. I-II. (In Japanese.) Kyushu Noji Shikenjo 9:55-58. Mar.1952. 107.6 K996
T. Ogata, Y. Yoshida, and Y. Sato, joint authors.
I, Properties of irrigation water in the high productive region of paddy rice plants in Kyushu; II, Characteristic properties of the soils in high productive region of paddy rice plants in Kyushu.

13762 KOFOED, A. D. Application of superphosphate and potash. (In Danish.) Dansk Landbr. 71:517-518. Oct.23,1952. 280.28 V91

13763 KOHOUT, K. Effect of lowlands and very rich soil upon the hardiness of newly planted fruit trees. (In Czech.) Za Socialist. Zemedel. 2:427-432. Apr.1952. 19.5 Z1
Czechoslovakia.

13764 KOMATSU, N. Effects of the varied amount of phosphatic fertilizer on the growth of bright leaf tobacco. (In Japanese.) J. Sci. Soil & Manure, Japan 22:257-263. Ref. June 1952. 56.8 J27
English summary.

13765 LANGE, K. P. Agricultural technique in growing rootstocks in the Central Volga Valley. (In Russian.) Sad i Ogorod 4:19-21. Apr.1952. 80 Sa13
Fertilizing fruit.

13766 LARSEN, S. More on Karsten Iversens observation stripes and related subjects. (In Danish.) Dansk Landbr. 71:569-570. Nov.20,1952. 280.28 V91
Fertilizer experiments.

13767 LINDENBEIN, W. Über einige chemische interessante Aktinomycetenstämme und ihre klassifizierung. Arch. f. Mikrobiol. 17:361-383. Ref. 1952. 442.8 Ar26

13768 LIPCHINSKIĬ, K. V. External feeding—a great force in transforming the nature of plants. (In Russian.) Lesn. Khoz. 5(5):23-29. May 1952. 99.8 L5622
Nutrient solutions for plants.

13769 LOWREY, G. W., OLSON, R. A., and DREIER, A. F. Commercial fertilizer results with oats, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 25,13 p. Oct. 1952. 100 N27O

13770 MARK, L. Soil fertility is the key to maximum production. Iowa Agr. 51(3):18-19,56-57. Nov.1952. 6 Io9
Use of fertilizers.

13771 MARTIN, S. La fumure du blé. Défense Agr. de la Beauce et du Perche 49:426-427. Oct.18,1952. 14 D36

13772 MENON, P. M. K. Green manuring of the coconut. Indian Cent. Coconut Comt. B. 5:191-194. July 1952. 77.9 In292

13773 MEREDITH, D. B. D. Report on a visit to the United States of America June 27th to October 28th 1951. Johannesburg,Agr. Adv. Dept., African Explosives & Chem. Indus.,1951. 94 p. 31.3 M54
Fertilizers, weed control, and pasture management.

13774 MITSUI, S., ASO, S., and TENSHO, K. Dynamic studies on the nutrients uptake by crop plants. 2-3. (In Japanese.) J. Sci. Soil & Manure, Japan 22:297-307. Ref. June 1952. 56.8 J27
2, The absorption, translocation and efflux of P^{32} by the root of rice seedling, by S. Mitsui and S. Aso; 3, The reducing power of the roots of growing plants as revealed by nitrite formation in the nutrient solution, by S. Mitsui and K. Tensho.
English summary.

13775 MONTELARO, J., HALL, C. B., and JAMISON, F. S. Studies on the nitrogen nutrition of tomatoes with foliar sprays. Amer. Soc. Hort. Sci. Proc. 59:361-366. Ref. June 1952. 81 So12

13776 MORANI, V., and FRANCESCONI, F. Second contribution on experimental fertilizing of sugar beets in Foligno District. (In Italian.) Indus. Sac. Ital. 45: 280-286. July/Aug.1952. 65.8 In23

13777 MUSSER, H. B. Fundamentals in turf fertilization. Golf Course Rptr. 20(5):31-32. (Cont.) Sept./Oct. 1952. 60.18 G83

13778 MYERS, L. F., and MOORE, R. M. The effect of fertilizers on a winter weed population. Austral. Inst. Agr. Sci. J. 18:152-155. Sept.1952. 23 Au74

13779 NAGATA, T. Studies on the soil and manure of medicinal plants. III. (In Japanese.) Japan. Natl. Hyg. Lab. B. 69:156-165. Dec.1951. 449.9 J27
English summary.

13780 NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. CRANBERRY-BLUEBERRY RESEARCH LABORATORY. Liquid fertilizer makes strong blueberry plants in propagating bed, by C. A. Doehlert. Pemberton, 1951? 1 p. 57.7 N46

13781 NOBRE, C. G. A. Selection of lands suitable for cotton production. (In Portuguese.) Granja [Lisboa] 11:235-243. Oct./Dec.1952. 15.5 G76

13782 NOCE, G. D. The Marzolara demonstration field. (In Italian.) Avvenire Agr. 60:225-226. Sept. 1952. 16 Av9
Wheat fertilizer tests.

13783 NYE, P. H. Studies on the fertility of Gold Coast soils. IV. The potassium and calcium status of the soils and the effects of mulch and kraal manure. Empire J. Expt. Agr. 20:227-233. July 1952. 10 Em7

13784 OHMASA, M. Studies on beech forest soils. Japan. Forest Expt. Sta. Forest Soils of Japan. Rpt. 1, 243 p. Mar.1951. 56.9 J27

13785 OW, L., FREIHERR VON. Beobachtungen bei der düngung von pappelpflanzen. Allg. Forstz. 7:476-478. Nov.12,1952. 99.8 AL52

13786 OWEN, O., WINSOR, G. W., and LONG, M. I. E. The properties of some urea-formaldehyde materials in relation to their possible use as nitrogenous fertilizers. J. Sci. Food & Agr. 3:531-541. Ref. Nov.1952. 382 So12

13787 PEARSON, C. H. O. Progress report on the field experiments dealing with the treatment of trash and fertilizer applications. So. African Sugar Technol. Assoc. Proc. 26:124-129. 1952. 65.9 So83
Includes discussion.

13788 PICARD, R. La traction mécanique en agriculture a-t-elle une incidence sur la fertilité des sols? Culture 37:2-3. (Cont.) July/Aug.1952. 14 C894

13789 PLAKIDA, E. K. Supplementary feeding for grapes. (In Russian.) Vinodel. i Vinograd. SSSR 3:49-53. Mar.1952. 95.8 V77

13790 POSCHENRIEDER, H. Weitere mitteilungen über den einfluss langjähriger einseitiger düngungsmassnahmen auf die knöllchenbildung bei der sojabohne. Landwirt. Jahrb. f. Bayern 29:603-609. Ref. Sept./Oct. 1952. 18 L24

13791 POTASAS ESPAÑOLAS. Abonado y cultivo de: cereales, leguminosas hortalizas, raices y tubérculos, plantas industriales, prados, arboles y arbustos. Madrid, 1951. 7 Nos. (Its Publicaciones 1-7) 57.7 P84

13792 PRUMMEL, J. A fertilizer method new to our country. (In Dutch.) T. N. Q.-Nieuws 7:285-287. Sept. 1952. 475 T11

13793 PUENTE, J. M. DE LA. Los abonos verdes en la agricultura. Agronomia [Monterrey] 23:2-3,7. (Cont.) July/Aug.1952. 8 Ag828

13794 PUERTAS FABILA, J. L. Fertilizantes en el cultivo del trigo. Agronomia [Monterrey] 23:5-6. July/Aug.1952. 8 Ag828

13795 RAT'KOVSKII, S. P. Selection of soils for conifer species in Central Asia. (In Russian.) Les i Step' 5:84-85. May 1952. 99.8 L565

13796 RATTRAY, A. G. H., and ELLIS, B. S. Maize and green manuring in Southern Rhodesia. Rhodesia Agr. J. 49:188-197. July/Aug.1952. 24 R34

13797 RISI, J. La forêt au service de l'agriculture. 7. La valeur de la lignine comme amendement en horticulture. Forêt Conserv. 18(9):6. Nov.1952. 99.8 F792

13798 ROUILLARD, G. Travaux réalisés en 1951 sur diverses propriétés de l'Ile par le Centre Agronomique du Nord en particulier. Rev. Agr. de l'Ile Maurice 31:116-125. May/June 1952. 24 M44
Includes discussion.
Fertilizer experiments.

13799 RUDERT. Zweck und ziel der grünlandkalkung. Allgäuer Bauernbl. 20:574-575. Oct.16,1952. 18 AL53

13800 SAEKI, H., and IZAWA, G. Studies on the ammonium-loving character of rice plants. I. Oxidation reduction potentials. (In Japanese.) J. Sci. Soil & Manure, Japan 22:264-268. Ref. June 1952. 56.8 J27
English summary.

13801 ŠAFRÁNEK, B. Organic fertilizers in the crop rotation system. (In Czech.) Za Socialist. Zemédél. 2:766-772. July 1952. 19.5 Z1
Czechoslovakia.

13802 SAMUELS, G., LUGO-LOPEZ, M. A., and LANDRAU, P., JR. Influence of fertilizers on sucrose content of sugar cane. Sugar 47(11):49-51. Nov.1952. 65.8 F11

13803 SCHEIBNER, F. Die moorbodenuntersuchung im lande Nordrhein-Westfalen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1949-1950. Nov.27,1952. 18 L2346
Fertility and fertilizer requirements.

13804 SCHMITT, L. Der einfluss der düngung auf die qualität des wiesenfutters. Landwirt. Forsch. Sonderh. 2:46-50. 1952. 18 L2333A

13805 SCHULTZE-GROBLEBEN, W. Die humusfrage. Württemb. Wchnbl. f. Landwirt. 119:927-928. Oct.11,1952. 18 W96

13806 SCHWARZ, D., and CUZIN, J. Metode d'étude quantitative de l'influence des engrais sur la croissance du tabac. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9 (1):1277-1278. 1952. 388 C765Re
English summary.

13807 SELKE, W. Die herbstkalkung. Deut. Landwirt. 3:412-415. Aug.1952. 18 D4822

13808 SHANKS, J. B., and LINK, C. B. Poinsettia stock plant nutrition in relation to production, rooting and growth of cuttings. Amer. Soc. Hort. Sci. Proc. 59:487-495. June 1952. 81 So12.

13809 SHEPHERD, C. J. Green manuring. Rhodesia Agr. J. 49:198-202. Ref. July/Aug.1952. 24 R34

13810 SKEPPER, A. H. Fertilizers for fruit trees. Agr. & Indus. Life 14(9):20,45. (Cont.) Sept.1952. 25 Ag8

13811 SLAGLE, A. B. Cotton burrs should go back to the soil. Sowest. Crop.& Stock. 6(10):13,100. Oct. 1952. 6 So8942

13812 SMITH, J. B., SALOMON, M., and BEVERAGE, R. M. Nitrogen fertilizers for rye cover crops. R. I. Agr. Expt. Sta. B. 314,19 p. Ref. June 1952. 100 R34S

13813 SPIRHANZL, J. Certain new methods for the use of peat in plant growing. (In Czech.) Za Socialist. Zeměděl. 2:683-688. June 1952. 19.5 Z1

13814 SPIRHANZL, J. Fertility of the soil. (In Czech.) Za Socialist. Zeměděl. 2:887-890. Aug.1952. 19.5 Z1

13815 STENUIT, D., and VANDERAUWERA, G. Studies on the soil and fertilizer question in greenhouse grape culture. (In Dutch.) In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p. 135-139. Hoeilaart,Gemeentehuis,1951. 95.09 In82
French summary.

13816 STRUTZ, I. Beiträge zur kenntnis der biologie der Aktinomyceten. Arch. f. Mikrobiol. 17:353-360. Ref. 1952. 442.8 Ar26

13817 TAKAHASHI, T., and YOSHIDA, D. Studies on the potash nutrition of yellow tobacco. 3. (In Japanese.) J. Sci. Soil & Manure, Japan 22:288-292. June 1952. 56.8 J27
English summary.

13818 TISDALE, S. L., and others. Sources of nitrogen in crop production. N. C. Agr. Expt. Sta. Tech. B. 96,63 p. Dec.1952. 100 N81
Contents: Sources of nitrogen for cotton, by W. L. Nelson and C. D. Welch; for corn, by W. V. Chandler; for flue-cured tobacco plant beds, by W. G. Woltz; for flue-cured tobacco, by S. L. Tisdale, W. G. Woltz, and J. M. Carr; for vegetable crops, by H. J. Evans; for small grains, by W. H. Rankin and W. W. Woodhouse.

13819 TMĚJ, F. Insignificant remainder of mountain rock (basic slag as fertilizer for fruit trees). (In Czech.) Za Socialist. Zeměděl. 2:835-837. July 1952. 19.5 Z1

13820 TONKAL', E. A., and DOBROTVORSKAIA, K. M. On dates and methods of fertilizer application to grass-legume mixtures. (In Russian.) Sovet. Agron. 10 (10):65-69. Oct.1952. 20 So84

13821 TORSTENSSON, G., LUNDBORG, G., and ZATHEL, K. Plowing stubble under. (In Swedish.) Lantmannen 36:902-904. Nov.8,1952. 11 L234

13822 TSIURUPA, B. N. Influence of granulated organic mineral fertilizers on the growth of oak. (In Russian.) Les i Step' 3:66. Mar.1952. 99.8 L565

13823 VALICEK, J. Granulated fertilizers as nourishment for winter wheat. (In Czech.) Za Socialist. Zemedel. 2:773-777. July 1952. 19.5 ZI
Czechoslovakia.

13824 VERMA, R. D. How to get the maximum benefit from the application of fertilizers. Indian Farming (n.s.)2(7):30-31. Oct.1952. 22 In283

13825 VIANNA E SILVA, M. Phosphate fertilizers. (In Portuguese.) Vida Agr. 15(91):2-3. (Cont.) Sept./Oct.1952. 15.5 V66

13826 VIRO, P. J. Nutrient status and fertility of forest soil. I. Pine stands. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 39(4),54 p. Ref. 1951,pub. 1952. 99.9 F493

13827 WALKER, T. W., and others. The use of fertilizers on herbage cut for conservation. I. Brit. Grassland Soc. J. 7:107-130. Ref. Sept.1952. 60.19 B773
G. H. A. Edwards, A. J. Cavell, and T. H. Rose, joint authors.

13828 WALLACE, A., and others. Influence of nitrogen fertilizers on orange trees and on the soil in the coastal zone of southern California. Amer. Soc. Hort. Sci. Proc. 59:22-30. Ref. June 1952. 81 So12
M. H. Kimball, R. T. Mueller, and H. V. Welch, Jr., joint authors.

13829 WELTE. Boden und pflanzenqualität. Landwirt. Forsch. Sonderh. 2:40-45. 1952. 18 L2333A

13830 WILLIGEN, A. H. A DE. Influence des engrais chimiques et du pH du sol sur la viscosité de la fécule de pomme de terre. Cong. Internaz. Indus. Agr. Relaz. 9(1): 357-366. 1952. 388 C765Re
English summary.

13831 WUNDERINK, A. E., and BAUSCH, J. Report on the central lime test field at Heino for the year 1951. (In Dutch.) Stichting Nederlands Landb. Kalk Bur. Voorlichtingsbl. 5:17-36. Apr.1952. 57.9 St5

13832 YAMADA, I. Available nutrients of the soils planted continuously with pyrethrum-plants. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:33-36. Mar.1952. 107.6 H68
English summary.

13833 ZHELEZNIAK, P. G. Complete utilization of local fertilizers for improving the feed supply base. (In Russian.) Sotsialist. Zhivotnovod. 14(5):32-36. May 1952. 49 So71

13834 ZÜRN F. Die düngung der mäh- und dauerweiden. Landwirt. Jahrb. f. Bayern 29:544-570. Ref. Sept /Oct 1952. 18 L24

Soil Tilth and Tillage

13835 BECHTOLD, L. J. Do you woo your Hemerocallis? Hemerocallis Soc. Ybk. 5:54. 1951. 81 M583
Use of mulch in culture.

13836 BITIUKOV, K. Accumulation and preservation of moisture from autumn and winter precipitation in the soil. (In Russian.) Kolkhoz. Proizvodstvo 12(10):30-31. Oct.1952. 281.8 K83
Tillage mainly.

13837 CHRISTENSEN, A. Straw mulching. (In Danish.) Erhvervsfrugtavleren 19:16-17. Oct.1,1952. 80 Er3

13838 DOUWES, B. Deep plowing in Groninger clay. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:229-235. Sept.1952. 12 N282

13839 EASTIN, J. An old practice and a new idea. Crops & Soils 5(3):14-15. Dec.1952. 6 W55
Subsurface tillage and the effect on crop yields.

13840 FRANCKE. A Vom totpflügen und toteggen des bodens. Deut. Landwirt.-Gesell. Mitt. 67:727. Oct.9, 1952. 18 N39

13841 FRY, H. S. Plowing match de luxe. Country Guide 71(11):11,66. Nov.1952. 7 G76
International Plowing Match and Farm Machinery Demonstration, Ontario.

13842 GOODMAN, R. N. Orchard mulches in relation to effectiveness of precipitation. Amer. Soc. Hort. Sci. Proc. 59:119-124. June 1952. 81 So12
In Missouri orchards.

13843 KISELEV, I. I., BELASH, G. N., and FERE, I. E. Factors in utilizing the machine-tractors on fields with shelterbelt plantations. (In Russian.) Les i Step' 2: 65-69. Feb.1952. 99.8 L565
Tillage.

13844 KONNECKE, G., and WAHN, W. Untergrundlockerung zur herbst- und winterfurche. Deut. Landwirt. 3:399-402. Aug.1952. 18 D4822

13845 LEEUWEN, J. VAN. How do we keep the soil in condition for tomatoes? (In Dutch.) Groenten en Fruit 7:242-243. Oct.11,1951. 80 G89

13846 MANLEY, T. R. Mulches on Hemerocallis. Hemerocallis Soc. Ybk. 6:7-13. 1952. 81 M583

13847 MARSHALL, R. M., and RECHENTHIN, C. A. Deep plowing can pay off. Sowest. Crop & Stock. 6(10): 15,105. Oct.1952. 6 So8942

13848 RIOS ROMERO, F. DE LOS. Posibilidades de Los Monegros y programa a desarrollar. In Sociedad Economica Aragonesa de Amigos del Pais. Los Monegros, p. 27-49. Zaragoza,1951. 33.23 So1
Dry farming and the need for irrigation.

13849 SINGH, K. Effects of soil cultivation on the growth and yield of winter wheat. IV. Effects of cultivation on root development. J. Sci. Food & Agr. 3:514-525. Ref. Nov.1952. 382 So12

13850 SPIRHANZL, J. New ideas and stages in soil preparation. (In Czech.) Za Socialist. Zemedel. 2:759-762. July 1952. 19.5 Z1
Czechoslovakia.

13851 SPRINGER, G. Stone mulching. Org. Gard. 20(12):14-15,38. Dec.1952. 56.8 Or3

Drainage, Irrigation, Water Supply, and Flood Control

13852 ALDRICH, R. A., and MOLENAAR, A. An analysis of branching flow in pipes. Agr. Engin. 33:780-781,783. Dec.1952. 58.8 Ag83

13853 ALFANI, A. Irrigation by furrow infiltration. (In Italian.) Italia Agr. 89:701-710. Oct.1952. 16 It1

13854 ALVAREZ DE LA CADENA, G. Instrucciones generales para la localización y diseño de los canales de riego y sus estructuras. Ingen. Hidrául. en Méx. 6: 62-68. (Cont.) Jan./Mar.1952. 290.8 In43
English summary, p. III.

13855 ANANOV, I. Control of flood waters in the Caucasian Region. (In Russian.) Les i Step' 3:75-76. Mar.1952. 99.8 L565

13856 AVER'ÏANOV, S. F. On speeding up the drawing off of excess surface waters during agricultural drainage. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(10):32-39. 1952. 20 Ak1

13857 BADEN, W., and EGGELSMANN, R. Ein beitrag zur hydrologie der moore. Wasser u. Boden 4: 244-249. Ref. Aug.1952. 56.8 W28

13858 BENASSINI, O. Desarrollo de las obras de riego en Mexico. Ingen. Hidrául. en Méx. 6:52-61. Jan./Mar.1952. 290.8 In43
English summary, p. II-III.

13859 BILLIB, H. Schauordnung für anlagen zur bewässerung mit abwasser. Wasser u. Boden 4:240-242. Aug.1952. 56.8 W28

13860 BLANCO MACIAS, G. El control de las inundaciones y el combate contra la sequia. Tierra [México] 7:524-526,561. Aug.1952. 8 T445
Mexico.

13861 BODO, F. Die wasserfrage im obstbau. Landwirtschaft 19/20:295-297. Oct.1952. 19 L235
Austria.

13862 BORODIN, I. V. On efficient utilization of asbestos-cement pipes in the construction of irrigation systems on collective and state farms. (In Russian.) Gidrotekh. i Melior. 4(2):53-58. Feb.1952. 290.8 G362

13863 CALISSONE, F. Overhead irrigation in vineyards. (In Italian.) Rass. dell'Agr. Ital. 7(7):15-16. July 1952. 281.8 R18

13864 CHAMBERLAIN, A. R. Measuring water in small channels with WSC flume. Wash. Agr. Expt. Sta. C. 200,9 p. Sept.1952. 100 W27S
Irrigation water.

13865 CHIBA, T. Preliminary researches on duty of water in the rice-field of peat-bog. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:54-63. Mar. 1952. 107.6 H68
English summary.

13866 CHRISTENSEN, P. D., and LYERLY, P. J. Water quality, as it influences irrigation practices and crop production—El Paso and Pecos areas. Tex. Agr. Expt. Sta. C. 132,19 p. Aug.1952. 100 T31S

13867 DIMIT, B. H. Big dam—little dam flood control. Pa. Grange News 49(7):1-2. Oct.1952. 6 P38

13868 DOLGOV, S. I., and PROTSEROV, A. V. Supply of soil moisture and moisture-storage irrigation. (In Russian.) Sovet. Agron. 10(10):12-17. Ref. Oct.1952. 20 So84

13869 DOROZHKO, P. Surface irrigation methods for agricultural crops. (In Russian.) Tekhsovety MTS 13(23/24):1-5. June 1952. 58.8 T233

13870 DRAGHETTI, A. The soil-water basis of rational irrigation with particular reference to overhead irrigation. (In Italian.) Macch. e Motori Agr. 10:991-998. Oct.1952. 58.8 M13

13871 DUBEĬKOVSKIĬ, I. I. Machine-reclamation stations and their role in the utilization of bogs and marshy mineral lands. (In Russian.) Gidrotekh. i Melior. 4(5):49-58. May 1952. 290.8 G362
Drainage chiefly.

13872 ECHEVERRIA RONCAL, M. Las obras hidraulicas en Los Monegros. In Sociedad Economica Aragonesa de Amigos del Pais. Los Monegros, p. 85-97. Zaragoza, 1951. 33.23 So1
Includes irrigation.

13873 EVDOKIMOVA, V. I. Strengthening the walls of mole drains by physico-chemical methods. (In Russian.) Gidrotekh. i Melior. 4(3):48-61. Ref. Mar.1952. 290.8 G362

13874 FRANCIS, C. J. Drainage in the Red River Valley of North Dakota. Agr. Engin. 33:787-788,790. Dec.1952. 58.8 Ag83

13875 FUJIKAWA, T., and others. Research of the stability of dykes built on the muddy tidal shore. VII-VIII. (In Japanese.) Kyushu Noji Shikenjo 9:89-92. Mar.1952. 107.6 K996
K. Mizutani, S. Nakamura, and M. Mitsuda, joint authors.

13876 GRANDE COVIAN, R. Posibilidades en el cultivo de las marismas de Andalucia la Baja. Asoc. Nac. de Ingen. Agrón. B. 29:3-8. Ref. Aug.1952. 58.9 As5

13877 GUTIERREZ AYALA, E., and HIGUERA VEGA, W. Planfación agrícola del Distrito de Riego de Tehuantepec, Oax., desde el punto de vista del clima y de las disponi bilidades hidraulicas. Mexico. Dir. Gen. de Dist. de Riego. Dept. de Planeación, Invest. y Estadís. Memo Téc. 60,20 p. Dec.1,1951. 292.9 M572

13878 HALL, O. D. LPG irrigation system saves farmer 50% in costs. Butane-Propane News 14(10):76-77. Oct.1952. 309.8 B97

13879 HARGREAVES, J. Through fire and water to dried grass. Farmers Wk. [London] 37:60-61. Nov.28, 1952. 10 F2226
Dried grass yields from reclaimed peat bogs in Notts and potential yields from fertilized airfields.

13880 HARTMAN, L. The soil water problems in North Holland. (In Dutch.) Plattelands-Post 8(35):6. Sept.4,1952. 12 P69

13881 HEUPEL. Die unterhaltung der wasserläufe. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1948-1949. Nov.27,1952. 18 L2346
Precipitation and water spreading.

13882 HUBERTY, M. R., and others. First panel discussion: cotton irrigation. Cotton Gin & Oil Mill Press 53(23):56,71-73. Nov.8,1952. 304.8 C822
K. Engler, R. V. Thurmond, H. C. Schwalen, W. P. Law, and C. H. Sorter, joint authors.

13883 HUDSON, A. W. Drowned crops and pugged pastures are causing enormous loss on some 225,000 acres of our ploughable country. New Zeal. Dairy Exporter 28(4):36-39. Oct.1952. 44.8 N484
Need for drainage.

13884 ÏAKSHTAS, I. A., and PRASOLOVA, A. T. Fergana type dam and control of silt deposits. (In Russian.) Gidrotekh. i Melior. 4(2):64-69. Feb.1952. 290.8 G362

13885 ÏUNEVICH, D. P. In regard to methods of draining marshes. (In Russian.) Gidrotekh. i Melior. 4(2):70-78. Feb.1952. 290.8 G362

13886 JANES, B. E., and others. When, why and how much irrigation should I use? Conn. Veg. Growers' Assoc. Proc. 39:12-17. 1952. 75.9 C76

13887 JENSEN, M. C. Unnecessary irrigation of orchards. Idaho State Hort. Soc. Trans. 1952:16-20. 81 Id12

13888 JOHNSTON, C. N. Irrigation pumps; their selection and use. Calif. Agr. Expt. Sta. C. 415,54 p. Aug.1952. 100 C12S

13889 JONAS, H. Small motors—big rain; with pump and sprinklers they return four to six dollars for each dollar's worth of electricity they use. Elect. Farm. Mag. 25(10):9-10. Dec.1952. 335.8 EL27

13890 JONES, L. A. Drainage as a tool for increased crop production. Washington, U. S. Soil Conserv. Serv., 1952. 8 p. 1.96 R31Dra
Paper at American Society of Agricultural Engineers' Soil and Water Program, Centennial of Engineering, Chicago, Sept. 9, 1952.

13891 KABAKOV, M. M. Determining the losses of [irrigation] water by data of the river-bed balance. (In Russian.) Gidrotekh. i Melior. 4(6):10-26. June 1952. 290.8 G362

13892 KAL'ÏANOV, G. S. Technical and utilization indexes of electric sprinkling assembly. (In Russian.) Sel'khozmashina 7:10-14. July 1952. 58.8 Se42

13893 KANARDOV, I. P., and NOVIKOV, V. M. Earthen settlers in irrigation with sewage. (In Russian.) Gidrotekh. i Melior. 4(4):20-26. Apr.1952. 290.8 G362

13894 KARNEEV, M. D. Flood irrigation under conditions of Saratov Region. (In Russian.) Gidrotekh. i Melior. 4(6):30-35. June 1952. 290.8 G362

13895 KOOYMAN, H., and KRUIJK, P. A. Irrigation installations in horticulture. (In Dutch.) Groenten en Fruit 8:91,93. July 31,1952. 80 G89

13896 KOZIN, ÎA. D. Transforming the nature of Crimean steppes. (In Russian.) Priroda 41(8):43-50. Aug.1952. 410 P933
Irrigation plan chiefly.

13897 KRIMGOLD, D. B. Determining time and amount of irrigation. Agr. Engin. 33:705-707. Ref. Nov. 1952. 58.8 Ag83

13898 LAWRENCE, J. E. Farm drainage problems. Rur. New-Yorker 102:650,652. Oct.18,1952. 6 R88

13899 LETUNOV, P. Construction of the Principal Turkmenian Canal and development of agriculture. (In Russian.) Kolkhoz. Proizvodstvo 12(10):3-5. Oct.1952. 281.8 K83
Irrigation policy chiefly.

13900 LISOVENKO, S. A collective farm is changin over to irrigated agriculture. (In Russian.) Kolkhoz. Proizvodstvo 12(10):28-29. Oct.1952. 281.8 K83
Grain irrigation chiefly.

13901 MCCLYMONDS, A. E. 23 farmers defeat floods. Soil Conserv. 18:78-79. Nov.1952. 1.6 So3S

13902 MANN, D. What kind of irrigation will fit you farm? Kans. Farmer 89(22):4,40. Nov.15,1952. 6 K13

13903 MAY, L. National irrigation project proposed Cotton Digest 25(12):82,84-85,96-97. Nov.29,1952. 286.82 C822

13904 MIÂSNIKOV, N. G. On moisture-storage irrigation. (In Russian.) Agrobiologiîa 5:132-134. Sept./Oct.1952. 20 Ag822
Effect on wheat.

13905 MILOSEVIĆ, M. A date which warns us. (In Serbo-Croatian.) Narod. Šumar 6:153-154. May/June 1952. 99.8 N16
Flood danger.

13906 MOLENAAR, A., CRIDDLE, W. D., and PAIR, C. H. Estimates of consumptive use and irrigation requirements of crops in Washington. Wash. Agr. Expt. Sta. C. 201,20 p. Sept.1952. 100 W27S

13907 MURAOKA, S. Reclamation of tidal agricultural land by the tide-flooding. (In Japanese.) Kyushu Noji Shikenjo 9:95-96. Mar.1952. 107.6 K996

13908 NATAL'CHUK, M. F. On coefficients of effective action of irrigation systems. (In Russian.) Gidrotekh. i Melior. 4(5):38-48. May 1952. 290.8 G362

13909 NICHOLSON, H. H. Fundamental problems of land drainage. Power Farmer 9:156-158. Nov.1952. 58.8 P872

13910 NIELSEN, V. Drainage experiments on marshland, 1937-1948. (In Danish.) Tidsskr. f. Planteavl 55: 621-644. 1952. 11 T439
Effects on crops.

13911 NUTTALL, V. W. Results from garden irrigation demonstration at Morden, Manitoba for the period 1947-51 inclusive. West. Canad. Soc. Hort. Rpt. Proc. 8:110-111. 1952. 82 W522

13912 ORLOV, P. N. Irrigation works in forestry. (In Russian.) Lesn. Khoz. 5(3):22-24. Mar.1952. 99.8 L5622

13913 PEATFIELD, A. E. The construction of cement culverts and drain outfalls. Power Farmer 9:190. Nov.1952. 58.8 P872

13914 PEREL'MAN, È. I. District reclamation construction work (Practices of Pavlov District Division of Reclamation in Leningrad Region). (In Russian.) Gidrotekh. i Melior. 4(6):64-74. June 1952. 290.8 G362

13915 PICK, L. A. Flood control. Mil. Engin. 44: 323-327. Sept./Oct.1952. 290.9 Un3

13916 POPEL', S. G. Temporary systems for growing rice by flooding. (In Russian.) Gidrotekh. i Melior. 4(1):11-16. Jan.1952. 290.8 G362

13917 POPOV, N. I. New machines for sprinkler irrigation. (In Russian.) Gidrotekh. i Melior. 4(8):23-30. Aug.1952. 290.8 G362

13918 POURTAUBORDE, J. L'irrigation au Maroc. Inform. Marocaine 612:3. Oct.4,1952. 281.8 In3

13919 PUCHKO, V. I. Operation of irrigation canals under winter conditions. (In Russian.) Gidrotekh. i Melior. 4(8):39-46. Aug.1952. 290.8 G362

13920 RABINOVICH, N. I. Pumping power equipment for irrigation with underground water. (In Russian.) Gidrotekh. i Melior. 4(2):40-44. Feb.1952. 290.8 G362

13921 RASMUSSEN, G. Overhauling irrigation equipment. Queensland Fruit & Veg. News 2(35):11. July 11, 1952. 280.38 Q3

13922 REHNBERG, R. D. Costs of pumping water compared. Prog. Agr. Ariz. 4(3):3,12. Oct./Dec.1952. 6 P9452

13923 RIDDICK, T. M. Dowsing—an unorthodox method of locating underground water supplies or an interesting facet of the human mind. Amer. Philos. Soc. Proc. 96:526-534. Oct.15,1952. 500 P533

13924 ROCA, M. Riego de almacigas de tabaco. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:302-304. 1951/52. 9 Ag874

13925 ROMANINI, A. Irrigation of alfalfa on clay soils. (In Italian.) Avvenire Agr. 60:224. Sept.1952. 16 Av9

13926 SALAKHOV, F. S., and KOROBKIN, S. F. Cotton irrigation by sprinkling in the western districts of Azerbaijan SSR. (In Russian.) Gidrotekh. i Melior. 4(4):12-19. Apr.1952. 290.8 G362

13927 SÁNCHEZ TORRES, C. La industrializición de los regadios de la Provincia de Cáceres. Plasencia, La Victoria,1951. 20 p. 282.176 Sa52

13928 SANTALIN, K. Setting up of irrigation system with delivery conduit [in forest nurseries]. (In Russian.) Lesn. Khoz. 5(3):74-76. Mar.1952. 99.8 L5622

13929 SAVEL'EV, M. ÎA. On movement of water in temporary irrigation canals and its hydraulic calculation. (In Russian.) Gidrotekh. i Melior. 4(1):17-23. Ref. Jan. 1952. 290.8 G362

13930 SEMKIN, G. P. Utilization of irrigated lands [for field crops] on collective farms in Voronezh Region. (In Russian.) Gidrotekh. i Melior. 4(2):18-22. Feb.1952. 290.8 G362

13931 SHEARING, D. A novel ditching machine. Diesel Prog. 18(12):50-51. Dec.1952. 291.8 D56
For irrigation canals.

13932 SHKLIAREVSKIÎ, A. I. Conference on the problem and methods of agricultural crop irrigation. (In Russian.) Gidrotekh. i Melior. 4(6):75-80. June 1952. 290.8 G362

13933 SHUMAKOV, B. A., and SKRIPCHINSKAÎA, L. V. Transition to new system of irrigation for rice culture by flooding. (In Russian.) Gidrotekh. i Melior. 4(4):6-11. Apr.1952. 290.8 G362

13934 SHUTTS, E. E. Rice irrigation in Louisiana. Amer. Soc. Civ. Engin. Proc. Sep. 156,14 p. Oct.1952. 290.9 Am3Ps

13935 SLEEMAN, J. R. The soils and irrigation potential of proposed irrigation area Mullengudgery, N. S. W. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt. 4,18 p. July 1952. 56.9 Au7

13936 SMITH, E. R. Irrigate your farm. Queensland Fruit & Veg. News 2(44):30. Sept.12,1952. 280.38 Q3

13937 STÄNGLE. Kleinbagger zum ausheben von drängräben. Wasser u. Boden 4:236-237. Aug.1952. 56.8 W28

13938 STRATTON, C. L. Irrigation necessary for Northeastern vegetable growers. Mkt. Growers J. 81(11):10-11. Nov.1952. 6 M34

13939 SUDAN GERIZA BOARD. Annual report, 1950/51. Barakat,Sudan,1952. 24 p. 24 Su27
Gezira Irrigation Project.

13940 SUKHAREV, I. P., and SUKHAREVA, E. M. From the practices in irrigation in Voronezh Region. (In Russian.) Gidrotekh. i Melior. 4(5):7-22. May 1952. 290.8 G362

13941 TABCADA R., E. Tablas y nomogramas para calcular medidores Parshall. Ed. 2. Mexico. Dir. Gen. de Dist. de Riego. Dept. de Planeación, Invest. y Estadis. Memo. Téc. 63,69 p. Mar.1,1952. 292.9 M572

13942 TERBUSH, L. S. The small-dam program in flood control. Agr. Engin. 33:716. Nov.1952. 58.8 Ag83

13943 THURMOND, R. V. Do you need more water for crops? Sowest. Crop & Stock 6(10):94-95. Oct.1952. 6 So8942

13944 TISDALL, A. L. Factors affecting the use of a probe in an irrigated soil. Austral. Inst. Agr. Sci. J. 18: 156-158. Sept.1952. 23 Au74

13945 TREE, E. F. Irrigation of tomatoes (Bowen). Queensland Fruit & Veg. News 2(43):3. Sept.5,1952. 280.38 Q3

13946 TROFIMOV, V. V. In regard to determining the irrigation capacity of an unregulated river stream. (In Russian.) Gidrotekh. i Melior. 4(5):23-29. May 1952. 290.8 G362

13947 TSYSHEVSKIĬ, V. K. Results of works in transferring to the new system of irrigation. (In Russian.) Gidrotekh. i Melior. 4(1):3-10. Jan.1952. 290.8 G362

13948 UHDEN, O. Notwendigkeit und grenzen der wasserwirtschaft in einem kulturlande. Wasser u. Boden 4:233-235. (Cont.) Aug.1952. 56.8 W28

13949 U. S. BUR. OF RECLAMATION. Working water for California's Central Valley. Washington,1952? 20 p. 156.85 W892

13950 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States 1950. 4. St. Lawrence River Basin. U. S. Geol. Survey Water-Supply Paper 1174, 309 p. 1952. 407 G29W

13951 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States 1950. Part 8. Western Gulf of Mexico basins. U. S. Geol. Survey Water-Supply Paper 1178,395 p. 1952. 407 G29W

13952 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS.REGIONAL INVESTIGATIONS BR. The Volga-Don irrigation project. Foreign Agr. 16:175-178. Oct.1952. 1.9 Ec7For

13953 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Iowa counties along Missouri River channel restoration, 1952. Milwaukee,1952. map. 1.6 So3I

13954 VARTANIAN, G. V. Methods of measuring water rates [in irrigation systems] based on principles of electro-radio engineering. (In Russian.) Gidrotekh. i Melior. 4(5):74-80. May 1952. 290.8 G362

13955 WARNER, U. H. Altus farmers speak up. 2. Reclam. Era 38:267-268. Nov.1952. 156.84 R24
Irrigation in Oklahoma.

13956 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Irrigation Experiment Station research program, 1952. Wash. Agr. Expt. Sta. C. 198,8 p. July 1952. 100 W27S

13957 WHITLOW, S. Portable sprinkler irrigation holds promise of bigger returns from East Texas acres. Farmer-Stockman 55(10):14,59. Oct.1952. 6 F22127

13958 WILLSON, R. J. Canal safety is our business. Reclam. Era 38:256-258. Nov.1952. 156.84 R24
Irrigation canals.

13959 WILSON, C. M. Good earth from bad rivers. Nat. Hist. 61:366-371. Oct.1952. 500 N483J
Reclamation.

13960 ZHELEZNOV, G. F. To hasten the inclusion of sands in the farm economy. (In Russian.) Les i Step' 5:32-37. May 1952. 99.8 L565

13961 ZUBETS, V. M. Utilization of KM-1000 and KM-800 canal diggers in laying the irrigation system in White Russian SSR. (In Russian.) Gidrotekh. i Melior. 4(5):68-73. May 1952. 290.8 G362

Erosion and Erosion Control

13962 ALORI SALAS, C. La erosión de los campos. Pampa Argentina 25(290):3,26-27. Feb.1952. 9 P19

13963 ANDERSON, H. O., and MCNALL, P. E. Soil conservation in southwestern Wisconsin. Wis. Agr. Col. Dept. Agr. Econ. Ag. Econ. 2,13 p. Aug.1951. 281.9 W75

13964 BAKER, J. H. The citizen's part in conservation. Soil Conserv. 18:90-93. Nov.1952. 1.6 So3S
Conservation of natural resources.

13965 BEIRNE, K. G. Soil erosion in the Camden District. N. S. Wales. Soil Conserv. Serv. J. 8:122-131. July 1952. 56.9 N472

13966 BODSWORTH, F. We're running out of water. Outdoors Illus. 4:148-155. Nov./Dec.1952. 410 C162
Includes soil erosion.
From Maclean's Magazine.

13967 BRONZOVA, G. IA. Role of perennial grasses in erosion control measures. (In Russian.) Les i Step' 3: 21-24. Mar.1952. 99.8 L565

13968 BUJUKALIC, H. An important law. (In Serbo-Croatian.) Narod. Sumar 6:148-149. May/June 1952. 99.8 N16
Prohibits annual cultivation on lands of twenty degree or more slope.

13969 CALDWELL, C. Soil conservation provides a means of producing more food. (In Portuguese.) Soc. Rur. Bras. Rev. 32(380):48. Sept.1952. 9.2 B733

13970 CAMPBELL, D. A. Soil conservation practices in other lands. New Zeal. Soil Conserv. and Rivers Control Council. B. 9,89 p. 1951. 56.9 N49

13971 COSTA, A. E. Erosion and decomposition of agricultural soil; need for its control on S. Miguel Island. (In Portuguese.) Granja [Lisboa] 11:203-220. Oct./Dec. 1952. 15.5 G76

13972 DAKSHINDAS, D. G. Increasing yields by combating erosion on the students' farm [Nagpur Agriculture College]. Indian Farming (n.s.)2(7):24-25. Oct. 1952. 22 In283

13973 ELLISON, L. Observations on ecological research relating to soil erosion of pasturelands in eastern New South Wales. Austral. Inst. Agr. Sci. J. 18:147-151. Sept.1952. 23 Au74

13974 EVANS, E. F. Conservation education on the march. Sowest. Crop & Stock. 6(10):18,91,93. Oct.1952. 6 So8942

13975 FILIN, V. I. Control [by planting] of river-bed sedimentation by the products of surface and gully erosion. (In Russian.) Lesn. Khoz. 5(4):22-24. Apr.1952. 99.8 L5622

13976 GUTIERREZ CORTES, H. Los deslizamientos de Bucaramanga. Agr. Trop. 8(8):53-56. Aug. 1952. 26 Ag8

13977 HACHENBERG, F. Landschaftschutz und umlegung. Unser Wald 5(10):3-4. Oct.1952. 99.8 Un7
Soil erosion.

13978 HASS, H. C. Wisconsin bankers lead cooperative drive. Soil Conserv. 18:88-89. Nov.1952. 1.6 So3S
Educating high-school agriculture students in land judging and soil conservation.

13979 HEDGE, A. M. Navy battles erosion. Soil Conserv. 18:82-83. Nov.1952. 1.6 So3S

13980 HEGER, W. Die Grüne Front. Osterr. Imker 2:169-172. Oct.1952. 424.8 Os7

13981 KHAILO, A. S. Afforestation of sands near Tiasmin River [Ukraine]. (In Russian.) Lesn. Khoz. 5 (2):40-42. Feb.1952. 99.8 L5622

13982 KHARITONOV, G. A. Erosion in the area of the Tsimlyansk water reservoir and safeguard against its silting up. (In Russian.) Les i Step' 5:21-32. May 1952. 99.8 L565

13983 KING, B. Contour farming is paying off. South. Planter 113(11):6,16-17,20. Nov.1952. 6 So89

13984 KRAEMER, O. Geschützte moore und ödländer in Bayern. Mitt. f. Moor- u. Torfwirt. 2:1-31. (Cont.) Jan./Mar.1952. 60.1 M69

13985 KYI, U. Soil erosion problem, its causes and the possible soil conservation measures for a possible prevention as employed in other countries with an outline of proposed study programme for the Shan State conditions. Burmese Forester 1:57-71. Sept.1951. 99.8 B92

13986 LANGDON, A. L. Gilgai Soil Conservation Demonstration. N. S. Wales. Soil Conserv. Serv. J. 8: 111-114. July 1952. 56.9 N472

13987 LEVANOVSKIĬ, L. B., and FANDEEV, V. V. Crumbling of banks of large irrigation canals. (In Russian.) Gidrotekh. i Melior. 4(4):54-59. Apr.1952. 290.8 G362

13988 LONGWORTH, L. D. Soil erosion in rain shadow areas of the Upper Burrinjuck Catchment. Soil Conserv. Serv. J. &:104-110. July 1952. 56.9 N472

13989 LOWDERMILK, W. C. Soil and water conservation. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(91):1-3. Oct.29,1952. 281.8 Ag3

13990 MCCAFFREY, L. A. H. Land use factors in the conservation of steep grazing lands in the central highlands. N. S. Wales. Soil Conserv. Serv. J. 8:97-103. July 1952. 56.9 N472

13991 NISHIKATA, T., and TAKEUCHI, Y. Studies on soil erosion control. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:43-50. Mar.1952. 107.6 H68
English summary.

13992 PARKS, W. R. Soil conservation districts in action. Ames,Iowa State Col. Press,1952. 242 p. 56.7 P23

13993 PASTUSHENKO, V. O., and DUNAEVSKIĬ, V. N. Effect of grass and legume buffers on increase of winter wheat yields on slopes. (In Russian.) Sovet. Agron. 10(10):91. Oct.1952. 20 So84
Clover in control of soil erosion.

13994 PREGO, A. J. La erosión eólica y la agricultura de secano. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:226-228. 1951/52. 9 Ag874

13995 REBMAN, E., and GRIMM, W. Pupils teach themselves. Soil Conserv. 18:81-82. Nov.1952. 1.6 So3S
About soil conservation and soil erosion.

13996 RECHENTHIN, C. A. Erosion on southern High Plains. Sowest. Crop & Stock. 6(10):14,105. Oct. 1952. 6 So8942
Control by planting vegetation.

13997 ROBERTSON, T. C. A new deal for the Karroo. Wolboer 6:21-22,61. Aug.1952. 45.8 W83
Soil conservation.

13998 ROGERS, R. W. High lights of fiscal 1952. Soil Conserv. 18:96. Nov.1952. 1.6 So3S
Accomplishments of Soil Conservation Service.

13999 STALLINGS, J. H. Abstracts of recent published material on soil and water conservation. U. S. D. A. PA-213,71 p. Oct.1952. 1 Ag84Pro

14000 STECKHAN, H. Wie erhalten wir den boden und seine fruchtbarkeit? Kosmos 48:437-444. Oct.1952. 474 K842

14001 SUAREZ DE CASTRO, F. Perdidas por erosión de elementos nutritivos, bajo diferentes cubiertas vegetales. Agr. Trop. 8(8):31-36. Aug.1952. 26 Ag8

14002 U. S. DEPT. OF AGRICULTURE. For higher production—soil and water conservation. U. S. D. A. PA-204,6 p.-folder. Sept.1952. 1 Ag84Pro

14003 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Each acre to its best use; a tour guide of the Soil Conservation Station, LaCrosse, Wisconsin, by O. E. Hays and I. O. Hembre. La Crosse? 1951. 24 p. 1.6 So3Ea

14004 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Technical specifications for conservation practices. Revised for Missouri for 1952. Milwaukee,1952. 44 p. 1.9605 T224

14005 VAN'KEVICH, A. P., and ZUBETS, V. M. Reinforcing the banks of drainage canals by planting grasses and legumes. (In Russian.) Gidrotekh. i Melior. 4(4):44-53. Apr.1952. 290.8 G362

14006 WIGHT, E. L. How to conduct an instructional field trip relating to soil conservation. Washington, U.S. Indian Serv.,1951. 10 p. 156.5 H83

14007 ZRAZHEVSKII, A. I. Experiment in planting on the rock dumps in Donbas. (In Ukrainian.) Akad. Nauk Ukrain. RSR. Inst. Lisivnytstva. Pratsi 2:147-158. 1951. 99.9 K54
Russian summary.

Sanitation

14008 BRAVENBOER, L. Soil diseases and their control. (In Dutch.) Groenten en Fruit 7:245-246. Oct. 11,1951. 80 G89

14009 BRENY, R. La défense des cultures. X. Les fumigants du sol. B. Hort. (n.s.)7:283-287. Oct.1,1952. 80 B873

14010 ENGELHARD, J. Voici la désinfection du sol à la vapeur. Rustica 25:963. Oct.12,1952. 14 R92
Equipment.

14011 KRUIJK, P. A. Practical chemical disinfection of soils for tomatoes. (In Dutch.) Groenten en Fruit 8:87,89. July 31,1952. 80 G89

14012 KRUIJK, P. A. Present practice of steaming soil for tomatoes. (In Dutch.) Groenten en Fruit 8:85,87. July 31,1952. 80 G89

14013 MARTIN, J. P., and ERVIN, J. O. Is fumigation harmful to soil? West. Grower & Shipper 23(12): 102-104. Nov.1952. 280.38 W52

14014 PETRIK, C. About the new agents for destruction of nematodes in soil. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):18-19. Aug.1952. 21.5 V87

14015 SZLADITS, I. Interactions of soil and antiseptics. Soils & Fert. 15:299-302. Ref. Oct.1952. 241 Im7Sf

MATERIALS FOR SOIL IMPROVEMENT

14016 SANDS, V. E. Bonemeal fertilizers; their manufacture in Uruguay. (In Portuguese.) Fazenda 47 (10):46,48. Oct.1952. 6 H11P

Mixed Fertilizers and Fertilizer Technology

14017 BEMELMANS, J. Fertilizer mixtures in the Tropics and Sub-Tropics and especially Brazil. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:695-700. Ref. Aug.1952. 68.29 Sa63

14018 FRANKS, C. G. Fertilizer that flows like water. Ill. Agr. Assoc. Rec. 30(11):8-9. Nov.1952. 6 IL62
Mixed fertilizers which have been given the name of Gro-Flo.

14019 FUDGE, J. F. New technical developments bring added problems to fertilizer control officials. Agr. Chem. 7(11):35-37. Nov.1952. 381 Ag8

14020 GERMANOV, A. A. Continuous granulating machine for organic-mineral fertilizers. (In Czech.) Za Socialist. Zemedel. 2:203-208. Feb.1952. 19.5 Z1

14021 MATAGRIN, A. Quelques nouvelles compositions d'engrais français ou américains. Terre d'Oc 34: 282-284. July 1952. 14 Ar5

Fertilizer Statistics

14022 AHRER, K. Sind handelsdüngermittel zu teuer? Bauer 5(35):10-11. Oct.11,1952. 19 B32
Austria.

14023 BLÜMKE. Warum eigentlich keine höherprozentigen düngemittel? Deut. Landwirt.-Gesell. Mitt. 67:729-732. Oct.9,1952. 18 N39

14024 BOWERS, A. H., and WILEY, A. L. The Southeast cornerstone of the plant food industry. Com. Fert. 85(5):24-26,28-29. Nov.1952. 57.8 C73

14025 CARDEW, J. East German potash; exploitation of the rich deposits. Fert. Feed. Stuffs & Farm Supplies J. 38:749,751. Nov.12,1952. 57.8 F413

14026 COLEMAN, R. Highlights of the N F [National Fertilizer Association] program 1952—a year of impressive achievement. Com. Fert. 85(5):20-21. Nov.1952. 57.8 C73

14027 ENGEL, H. Der düngungsplan in der produktionsgenossenschaft und im einzelbetrieb. Deut. Landwirt. 3:566-571. Nov.1952. 18 D4822
Russian Zone of Germany.

14028 GALE, J. F. NFA [National Fertilizer Association] consumption report for 1951. Com. Fert. Ybk. 85 (3A):35-37. Sept.1952. 57.8 C73Y

14029 GOVINDARAJAN, S. V. The Fertilizer Quality Control Act—a legislation intended to safeguard the interest of the ryot of the State. Mysore Agr. J. 28:24-25. Jan./June.1952. 22 M993

14030 GROGGINS, P. H. Looking forward with the fertilizer industry. Com. Fert. 85(5): 22,73-76. Nov.1952. 57.8 C73

14031 KNUDSEN, A. F. Fertilizing in USA. (In Danish.) Denmark. Landbrraadet. Meddel. 44:788-790. Oct.30,1952. 11 D415L

14032 MISSION FRANÇAISE DE PRODUCTIVITÉ. L'industrie de l'azote aux États-Unis. Mines de Potasse d'Alsace. B. d'Inform. Econ. Etude Doc. 38,59 p. Sept.1952. 280.9 M666

14033 ORGANISATION FOR EUROPEAN ECONOMIC CO-OPERATION. SUB-COMMITTEE ON FERTILISERS, FUNGICIDES AND INSECTICIDES. Fertilisers trade regulations in OEEC countries. Paris,1951. 78 p. 286.377 Or3

14034 SCHOLL, W., and WALLACE, H. M. USDA report: U. S. fertilizer consumption 1950-1951. Com. Fert. Ybk. 85(3A):19-21,24-25,28-29,32-33,35. Sept.1952. 57.8 C73Y

14035 SHIDELER, F. J., and PRITCHETT, W. L. Bolivian phosphate discovery may boost country's agriculture. Foreign Agr. 16:182-184. Oct.1952. 1.9 Ec7For

14036 TAYLOR, J. R., JR. Trends and critical status of fertilizers. Com. Fert. 85(5):40-41,69-72. Nov.1952. 57.8 C73

14037 VAN, W. R. Fertilizers. Foreign Trade 12 (304):11-13. Oct.25,1952. 286.8 C162
Canadian trade with Cuba.

Mineral Soil Amendments

14038 RICHMAN, M. Limestone grading would help all concerned. Hoosier Farmer 37(11):46. Nov.1952. 280.82 H76

14039 SORTEBERG, A. Experiments with different kinds of lime preparations on sphagnum soil. (In Norwegian.) Tidsskr. f. det Norske Landbr. 59:206-213. May/June 1952. 11 T433

Manures and Composts

14040 CHANDLER, F. B. Cranberry "trash" is useful to grower. Cranberries 17(7):6-7. Nov.1952. 80 C852
For compost.

14041 DYMOND, G. C. The recovery of waste products. So. African Sugar Technol. Assoc. Proc. 26: 106-110. 1952. 65.9 So83
Chiefly compost.

14042 ENGLERT. Der kompost im lichte der neueren forschung. Obstbau 71:152-153. Oct.1,1952. 80 Ob73

14043 GROOTE, R. DE. Substitution of composted city sewage for manure in grape culture. (In Dutch.) In Internationaal Congress van de Tafeldruif. Verslagen en notulen, p.129-133. Hoeilaart,Gemeentehuis,1951. 95.09 In82
English summary.

14044 GURNEY, H. The utilization of town refuse. Roy. Sanit. Inst. J. 72:700-706. Nov.1952. 449.9 R812
As fertilizer.
Includes discussion.

14045 KEARL, C. D. Is manure worth what it costs? Poultry Indus. [Boston] 58(3):9,18. Nov.1952. 47.8 N44

14046 KLEIN, F. W. Kompostbereitung. Deut. Wirtgeflügelzucht. 4:584. Sept.6,1952. 47.8 D483

14047 KRUMM, H. E. The effect on the citric solubility of 'Langfos' when composted with waste products of the sugar industry. So. African Sugar Technol. Assoc. Proc. 26:100-105. 1952. 65.9 So83
Includes discussion.

14048 LEVY, F. And yet another compost. Amer. Primrose Soc. Q. 10(2):11. Oct.1952. 96.575 Am3

14049 LISS, G. O. You'd think he enjoys making compost. Grower [London] 38:931-932. Nov.8,1952. 286.83 M34

14050 MAUGER, P. Comment utiliser la paille. Rev. Agr. de l'Afrique du Nord 50:500-501. Aug.1,1952. 80 R326
Includes use for compost.

14051 OWEN, W. L. Dewaxed filter press muds as a plant food material. IV. Sugar. 47(12):56-57. Dec.1952. 65.8 F11

14052 PAASCH, E. W. Die zweckmässige organisation der landwirtschaftlichen abwasserverwertung bei wechselnden natürlichen und wirtschaftlichen voraussetzungen. Deut. Landwirt. 3:442-445. Aug.1952. 18 D4822

14053 SALAZAR, E. El A.B.C. del composte. Agr. Costarricense 10:222-226. Oct.1952. 8 Ag895

14054 STOREY, I. F. Faults in composting traced by fungi. Grower [London] 38:1099,1103. Nov.29,1952. 286.83 M34
Mushrooms.

14055 TEENSMA, B. Importance of city sewage for agriculture and horticulture. (In Dutch.) Groenten en Fruit 8:244. Oct.9,1952. 80 G89

14056 TIULIN, V. A., and BEUS, T. B. On the effect of organo-mineral composts. (In Russian.) Sovet. Agron. 10(10):92-93. Oct.1952. 20 So84
Experiments with potatoes.

14057 VAN KLEECK, L. W. Utilization of sewage sludge; best use of sludge in soil conditioning requires data on related factors. Water & Sewage Works 99:463-467. Nov.1952. 290.8 M92

14058 WITTMANN, J. Landwirtschaftliche abwasserverwertung. Obstbau 71:153-154. Oct.1,1952. 80 Ob73

14059 ZUTAVERN, O. Gesetzmässigkeiten und grenzen der misterzeugung und viehhaltung im landwirtschaftlichen betrieb. Darmstadt,Von Liebig,1952? 94 p. Ref. 57.3 Z8

FORESTRY

GENERAL

14060 AXELSON, C. A., ÖQUIST, H., and WIGREN, B. Permanent labor crews in the domain of the forest protection boards. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 50:15*20* 1952. 99.8 Sk5

14061 BOTTENBURG, M. VAN. The forest situation in Colombia. Unasylva 6:65-70. June 1952. 99.8 Un1

14062 EIDMANN, F. E. Nordrhein-Westfalen als gastland der ersten nachkriegstagung des Deutschen Forstvereins. Forst u. Holz 7:231-233. Sept.1,1952. 99.8 F7724

14063 FALCHI, M. Aspetti principali del problema forestale in Sardegna [Principal aspects of the forest problems in Sardinia]. Cagliari, Il Quotidiano Sardo, 1952. 131 p. Ref. 99.25 F18

14064 FORESTRY practice in the British Colonies. Timber Canada 13(3):25-30. Nov.1952. 99.81 T487

14065 GRANDJEAN, A. J. The excursion of the Dutch Forestry Association to Denmark. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:230-238. Sept.1952. 99.8 N28
Includes description of forestry in Denmark.

14066 HILF, H. H. Die forstarbeit in weltweiter betrachtung. Forst u. Holz 7:264-269. Oct.1,1952. 99.8 F7724

14067 HOUTZAGERS, G., and BURGER, F. W. The sixth session of the International Poplar Commission at Rome. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24: 221-229. Sept.1952. 99.8 N28

14068 KHODOROVSKIĬ, K. Problems in forestry development in the Baltic Area; scientific conference of foresters of Lithuania, Latvia, and White Russia. (In Russian.) Lesn. Khoz. 5(4):95-96. Apr.1952. 99.8 L5622

14069 KIAER, T. H. Technical and other research in Norway. (In Norwegian.) Norsk Skogindus. 6:300-305. Oct.1952. 99.82 N81
English summary.
Includes forestry and forest industry research.

14070 KITCHINGMAN, G. D. Forest research at Alice Holt Lodge. Roy. Inst. Chartered Surveyors. J. 32:316-318. Nov.1952. 282.9 C38J

14071 KLEM, G. G. Some Norwegian experiences concerning simplification of forest work. (In Norwegian.) Svenska Skogsvårdsför. Tidskr. 50:249-262. 1952. 99.8 Sk5

14072 LAMP, I. Einmannarbeit? Osterr. Forst- u. Holzwirt. 7:86-88. Mar.7,1952. 99.81 Os7
Forest labor management.

14073 LECHNER, W. Die forstwirtschaft in Süd-Rhodesien. Internatl. Holzmarkt 43(19):6-7,10-12. Sept.20,1952. 99.81 In82

14074 MANN, W. Gegenwartsprobleme der forst- und holzwirtschaft in der Bundesrepublik Deutschland. Z. f. Weltforstwirt. 15:145-147. Aug.1952. 99.8 Z35
English summary.

14075 MATAIX LORDA, M. La coyuntura actual del mercado de madera y su influencia sobre la renta nacional. Montes 8:361-369. Sept./Oct.1952. 99.8 M763

14076 NYGAARD, J. Forests and forestry in Scotland. (In Norwegian.) Skogbrukeren 27:189-197,213-220. (Cont.) Sept.1,Oct.1,1952. 99.8 Sk54

14077 THE ORGANISATION and work of the Forest Research Institute of Sweden. World Crops 4:413-417. Dec.1952. 281.8 W892

14078 RUSTEN, P., and SJURSEN, T. Wages of forest technicians. (In Norwegian.) Skogbrukeren 27:221-222. Oct.1,1952. 99.8 Sk54

14079 SCHAMEL, K. Einige fragen zum prinzip der wirtschaftlichen rechnungsführung. Wald 2:290-292. (Cont.) Oct.1952. 99.8 W143

14080 SCHENCK, C. A. Forestry in the U. S. A. Z. f. Weltforstwirt. 15:147-150. Aug.1952. 99.8 Z35

14081 SOEST, J. VAN. Forestry along the Moselle. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:278-280. Oct.1952. 99.8 N28
In Germany.

14082 TAMESIS, F. Economy of forests and forest products in relation to the sugar industry. Sugar News [Manila] 28(9):409-411. Sept.1952. 65.8 Su36
Philippines.

14083 TCROPOGRITSKIĬ, D. P. Organization of labor in afforestation of dells and ravines of kolkhoz land. (In Russian.) Les i Step' 5:47-48. May 1952. 99.8 L565
Windbreaks.

14084 U. S. FOREST SERV. Impressions of European forestry, by L. I. Barrett. Washington,1952. 30 p. 1.962 A2In7

14085 VERBESSERTE leistung durch verhütung von unfällen bei der waldarbeit. Bau u. Holz 3:93-95. Apr. 1952. 296.8 B32

14086 VOGEL, F. H. Forestry in Honduras. U. S. Inst. Inter-Amer. Aff. Div. Agr. & Nat. Resources. Act. Ser. 2,18 p. May 1952. 173.3 In833

14087 WENDELBERGER, G. Wider die ausländermanie! Allg. Forstztg. 63:224-226. Oct.1952. 99.8 AL53
Tree introduction.

14088 WIE. Gründende versammlung der Arbeitsgemeinschaft "Naturnahe Waldwirtschaft" in Bad Aussee am 26. und 27. Mai 1952. Osterr. Forst- u. Holzwirt. 7: 286-287. July 21,1952. 99.81 Os7
Forestry associations.

Education

14089 ACKERL, F. Stellungnahme und berichtigende aufklärung zum artikel von o. Prof. Dipl.-Ing. Dr. Hermann Flatscher "Der Niedergang der Forstlichen Fakultät an der Hochschule für Bodenkultur." Allg. Forstztg. 63:230-231. Oct.1952. 99.8 AL53

14090 ANUCHIN, N. P. Soviet forestry is not in need of a scientific-like teaching on biogeocenosis detached from reality. (In Russian.) Agrobiologiia 5:150-155. Sept./Oct.1952. 20 Ag822
Also in Les i Step' 4(9):33-38. Sept.1952. 99.8 L565

14091 DENK. Die waldbauernschule hohenkammer. Bauernwald 6:29-30. Sept.27,1952. 99.8 B32

14092 HANDEL-MAZZETTI, P. Forstliches bildarchiv. Allg. Forstztg. 63:228. Oct.1952. 99.8 AL53

14093 HASANDEDIĆ, S. On the results of professional examinations taken by forestry engineers and technicians. (In Serbo-Croatian.) Narod. Šumar 6:149-152. May/June 1952. 99.8 N16

14094 KÄSA, J. Forest school practice and grade hunting. (In Norwegian.) Skogbrukeren 27:201-204. Sept.15,1952. 99.8 Sk54

14095 LISNEVSKIĬ. Forestry enterprises and forest conservation stations of Ukraine at regional agricultural fairs. (In Russian.) Lesn. Khoz. 5(5):[illegible]-87. May 1952. 99.8 L5622

14096 LUK'ĬANOV, B. N. Forestry propaganda at the forestry enterprises of Lithuanian SSR. (In Russian.) Lesn. Khoz. 5(4):79-82. Apr.1952. 99.8 L5622

14097 PILZ, O. Die bedeutung des erfahrungsaustausches. Wald 2:318-319. Oct.1952. 99.8 W143

14098 POSCHKO, F. Unsere holzwirtschaft und die Bundesgewerbeschule Mödling. Osterr. Forst- u. Holzwirt. 7:254-256. July 7,1952. 99.81 Os7

14099 TOTSENKO, V. P. A valuable form of propaganda and dissemination of leading practices. (In Russian.) Lesn. Khoz. 5(5):88. May 1952. 99.8 L5622
Excursions to forestry enterprises and research institutions.

14100 U. S. FOREST SERV. Forestry schools in the United States. Washington,1951. 8 p. 1.962 A2F7682

14101 U. S. FOREST SERV. How to plan a forest show-me trip for clubwomen. Washington?1952? 4 p. 1 F76Ho

14102 WILCKENS, H. A. Universitas? Forst u. Holz 7:251-253. Sept.16,1952. 99.8 F7724

Policies, Programs, Administration

14103 AGOGUE, R. Las grandes obras del Servicio Forestal francés. Montes 8:337-344. Sept./Oct.1952. 99.8 M763

14104 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Annual report, 1951-52. South Melbourne,1952. 41 p. 99.9 Au722R

14105 BAKER, W. J. The Oregon Forest Products Laboratory, revised by R. H. Plow. Oreg. Forest Prod. Lab. Inform. C. 3,rev.,22 p. June 1952. 99.9 Or3522I

14106 BALABAS', N., and VEDENEEV, P. On merging the forestry enterprises with the forest conservation stations. (In Russian.) Lesn. Khoz. 5(3):24-25. Mar. 1952. 99.8 L5622

14107 BARASHEV, V. F. Systematizing work of planning at forest conservation stations. (In Russian.) Les i Step' 3:25-27. Mar.1952. 99.8 L565

14108 BELOTSERKOVSKAIA, O. IU. First successes of the Kharabali foresters. (In Russian.) Les i Step' 4:70-72. Apr.1952. 99.8 L565

14109 BENGAL. AGRICULTURE, FORESTS AND FISHERIES DEPT. Annual progress report on forest administration in the Presidency of Bengal for the year 1946-47. Alipore,1952. 85 p. 99.9 In2Be

14110 BESKOW, S. Desiderata for forest care. (In Swedish.) Skogen [Stockholm] 39:99*-100*. Sept.15,1952. 99.8 Sk51
Includes Government aid to forestry.

14111 BORGO, G. El Servicio Forestal de los Estados Unidos; algunas de sus practicas y posible aplicación a las condiciones mexicanas. México,1951. 196 p. Ref. 99.61 B64

14112 BRAGINA, F. G., and LEBEDEV, P. S. Field protecting forests on kolkhozes of the Salsk Region. (In Russian.) Les i Step' 4(1):56-63. Jan.1952. 99.8 L565
Windbreaks.

14113 BRITISH COLUMBIA. FOREST SERV. Report, 1951. Victoria,1952. 153 p. 99.9 B77

14114 BUENOS AIRES. MINISTERIO DE HACIENDA, ECONOMÍA Y PREVISIÓN. La forestación en la Provincia de Buenos Aires. Buenos Aires,1952. 37 p. 99.47 B863

14115 BYNGHAM, D. Forestry or timber famine. Soil Mag. 3:244-251. Nov.1951. 56.8 So36

14116 CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. FORESTRY BR. Research facilities of the Forest Products Laboratories Division, Ottawa and Vancouver. Ottawa,1952. 15 p. 99.79 C164

14117 CEYLON. CONSERVATOR OF FORESTS. Administration report for 1951. Colombo,1952. 35 p. 99.9 C33

14118 CHAMPION, H. G. Cooperation between state and non-state organizations in the promotion of forestry. Brit. Columbia. U. H. R. MacMillan Lectureship Forestry 2,12 p. 1952. 99.9 B7722

14119 CHERNYSHEV. Practices of the mechanizers of Kalinin Forest Conservation Station. (In Russian.) Lesn. Khoz. 5(4):73-74. Apr.1952. 99.8 L5622

14120 CORDON, G. Tree farming. Timber Prod. Assoc. Mon. B. 8(2):12,14-15. Oct.1952. 99.9 T482

14121 CYPRUS. FOREST SERV. Forest report 1951. Nicosia,1952. 20 p. 99.9 C992

14122 DAVLETOV, A. D. Friendly collective. (In Russian.) Les i Step' 3:61-63. Mar.1952. 99.8 L565
Forest conservation stations.

14123 DEAN, G. W. Progress in developing Virginia's forest resources. Va. U. News Let. 29(5):1. Dec.1,1952. 280.9 V815

14124 DOBROKHVALOV, V. P. On the slopes of the Krimean highlands. (In Russian.) Les i Step' 5:73-78. May 1952. 99.8 L565
Afforestation.

14125 DUBIAU, R. H. Experimentacion forestal en Suecia. Rev. Forest. Chilena 2:9-11. May 1952. 99.8 R3292

14126 EBNER, A. Mérida in Venezuela das neue lateinamerikanische zentrum für forstliche forschung und lehre. Allg. Forstz. 7:469-471. Nov.12,1952. 99.8 AL52

14127 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. CONFERENCE. The principles of forest policy adopted by the sixth session of the Conference of the Food and Agriculture Organization of the United Nations, Rome, Italy, November 19—December 6, 1951. Washington,U. S. Forest Serv.,1952. 4 p. 1.962 A2P93

14128 GORSHKOV, M. A. Achievements of forest conservation stations in Buzuluk Forest. (In Russian.) Lesn. Khoz. 5(3):70-71. Mar.1952. 99.8 L5622

14129 GT. BRIT. FORESTRY COMMISSION. State aid available to woodland owners; planting and maintenance grants, loans, technical advice. London,1951. 9 p. 99.66 G799S

14130 HARTIG, R. Zur rationalisatoren- und erfinderbewegung im staatlichen forstwirtschaftsbetrieb Mirow. Wald 2:289. Oct.1952. 99.8 W143

14131 HERMANSEN, N. K. Consolidation of forest lots in Switzerland. (In Danish.) Dansk Skovfor. Tidsskr. 37:439-466. Ref. Sept.1952. 99.8 D23

14132 HMAN, M. Organization of forest services. Burmese Forester 1:45-51. Sept.1951. 99.8 B92

14133 HVOSLEF, O. Reforestation in Troms. (In Norwegian.) Skogen [Oslo] 17:61-63. 1952. 99.8 Sk56

14134 IGNATENKO, V., and KRASIUKOV, P. We shall finish afforestation of fields eleven years early. (In Russian.) Les i Step' 4(7):63-66. July 1952. 99.8 L565

14135 KHARCHENKO, N. F. Ukrain sovkhozes striving for pre-deadline forestation of fields. (In Russian.) Les i Step' 4:58-60. Apr.1952. 99.8 L565

14136 KHRAMOV, N. V. Toward increasing the productive capacity of labor in forestry. (In Russian.) Lesn. Khoz. 5(4):75-78. Apr.1952. 99.8 L5622
Policy.

14137 KOCHERGA, F. K. Protective afforestation in the zone of the main Turkmenian Canal. (In Russian.) Les i Step'5:10-20. May 1952. 99.8 L565

14138 KOCHERGA, F. K. Scientists of Middle Asia—for the Stalin projects. (In Russian.) Lesn. Khoz. 5(2): 5-10. Feb.1952. 99.8 L5622
Forestry research in the area of the Turkmenian Canal.

14139 KRONSKII, E. A. Serious neglect on part of Chkalovskii foresters. (In Russian.) Les i Step' 2:23-28. Feb.1952. 99.8 L565

14140 KRUGLOV, V. E. Leading mechanizers of Kharabalinsk Forest Conservation Station. (In Russian.) Lesn. Khoz. 5(3):83-85. Mar.1952. 99.8 L5622

14141 KUZHELEV, N. M. Competition between foresters of two districts. (In Russian.) Les i Step' 3:41-44. Mar.1952. 99.8 L565

14142 LEBEDEV, V. V. Project for afforestation of the Vetlianskii irrigation massif. (In Russian.) Les i Step' 2:54-59. Feb.1952. 99.8 L565
Windbreaks.

14143 MANTEL, W. Möglichkeiten für ein einheitliches vorgehen bei der forsteinrichtung innerhalb der Bundesrepublik. Allg. Forstz. 7:445-446. Oct.29,1952. 99.8 AL52

14144 MARTIN, C. S. Weyerhaeuser Timber Company forestry. Yale Forest Sch. News 40:54-55. Oct.1952. 99.8 Y1

14145 MEDVEDEV, L. M. Principles for planning forest shelterbelts in the Volga Region. (In Russian.) Les i Step' 4:27-32. Apr.1952. 99.8 L565

14146 MOORE, E. B. The state nurseries and reforestation. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 3:5-6. Oct.15,1951. 99.9 N422

14147 MUSTAFAEV, M. G. Forestry of Azerbaijan on a higher level. (In Russian.) Lesn. Khoz. 5(4):33-39. Apr.1952. 99.8 L5622

14148 NABABKIN, F. G. Forest improvement brigade of Sof'ia Popkov. (In Russian.) Les i Step' 3:28-30. Mar.1952. 99.8 L565

14149 NAGOVITSYN, N. A. Projects and research work in steppe silviculture in the years 1950-1951. (In Russian.) Lesn. Khoz. 5(2):18-23. Feb.1952. 99.8 L5622

14150 NEW ZEALAND FOREST RESEARCH INSTITUTE. Annual report for the year ended 31 March, 1952. Forest Res. Inst. Forest Res. Notes 1(5),136 p. July 1952. 99.9 W46

14151 NEW ZEALAND. FOREST SERV. Annual report for the year ended 31 March 1952. Wellington,1952. 76 p. 99.9 N49A

14152 NORSKE SKOGSELSKAP. Arsberetning fra det Norske Skogselskap for 1951 [Annual report of the Norwegian Forest Association for 1951]. Oslo,1952. 32 p. 99.9 N813

14153 NORWAY. SKOGVESENET. Arsmelding for 1950 [Annual report of the Forestry Service for 1950]. Olso,1952. 70 p. 99.9 N83

14154 OSIPIAN, L. G. Forestry problems of Armenia. (In Russian.) Lesn. Khoz. 5(4):40-43. Apr.1952. 99.8 L5622

14155 ORINICH, N. IA. Leaders of the Kamyshin Forest Conservation Station. (In Russian.) Les i Step' 4(1):74-75. Jan.1952. 99.8 L565
Windbreaks.

14156 ORUDZHEV, A. K. Experimental forest plantations in Azerbaidzhan. (In Russian.) Les i Step' 4(7):88-90. July 1952. 99.8 L565

14157 POCKBERGER, J. Naturnahe waldwirtschaft. Osterr. Forst- u. Holzwirt. 7:149-151,169-171. (Cont.) Apr.21-May 7,1952. 99.81 Os7

14158 POCKBERGER, J. Um eine neue waldgesinnung. Osterr. Forst- u. Holzwirt. 7:269-271. July 21, 1952. 99.81 Os7

14159 PRAX, J. Le rétablissement de l'équilibre agro-sylvo-pastoral et la mise en valeur forestière du Bassin supérieur de l'Agout. Ecole Natl. des Eaux et Forêts et Sta. de Rech. et Expér. Ann. 12:467-523. 1951. 99.9 F845
English summary.

14160 RODRIGUEZ MUNOZ, R. El mito de la reforestacion. Mensajero Forest. 96:5-8,25-28,3-4. Aug. 1952. 99.8 M522

14161 SABININ, S. V. Forest belts in the Kulunda Steppe. (In Russian.) Les i Step' 3:44-48. Mar.1952. 99.8 L565

14162 SAMBERGS, Å. Government forest loans. (In Swedish.) Skogsägaren 28:175-178. Aug.1952. 99.8 Sk55

14163 SAVITSKII, V. M. Informal inspection of forest plantations. (In Russian.) Les i Step' 5:67-69. May 1952. 99.8 L565
Windbreaks.

14164 SHLIAKHANOV, L. D. Ukrainian foresters-champions of the Stalin plan. (In Russian.) Les i Step' 4(1):51-55. Jan.1952. 99.8 L565

14165 SIERRA LEONE. FORESTRY DEPT. Annual report for the year 1950. Freetown,1952. 18 p. 99.9 Si12

14166 SIMON Y DE SIMON, E. DE. Repoblaciones en consorcio. Montes 8:241-245. July/Aug.1952. 99.8 M763

14167 SOTNIKOV, F. F. Results of persistent work. (In Russian.) Les i Step' 4:72-74. Apr.1952. 99.8 L565
Windbreaks.

14168 SOUTH AUSTRALIA. WOODS AND FORESTS DEPT. Annual report for the year 1950-1951. Adelaide, 1952. 16 p. 99.9 So8R

14169 SOUTHERN RHODESIA FORESTRY DEPT. Report for the year 1951. Salisbury,1952. 19 p. 99.9 R34

14170 STAZHILOV, A. We shall fulfill with honor our socialist obligations. (In Russian.) Lesn. Khoz. 5 (2):95. Feb.1952. 99.8 L5622
Achievements of Osterskii Forestry Enterprise in Chernigov Region.

14171 STEINBERG, D. S. Forests for the future. Lake States Timber Digest 6(12):1,6-8. Oct.1952. 99.81 L14
Forestry program of the forest industries.

14172 STREYFFERT, T. German forest policy and Swedish. (In Swedish.) Skogen [Stockholm] 39:94*-96*. Sept.15,1952. 99.8 Sk51

14173 STROBL, F. Aktuelle wirtschaftspolitische und forstpolitische forderungen der forstwirtschaft. Osterr. Forst- u. Holzwirt. 7:229-232. June 21,1952. 99.81 Os7
Forest product prices.

14174 STRONG, D. Norway plans by the century. Amer. Forests 58(11):24-25,36-38. Nov.1952. 99.8 F762

14175 TOMEO LACRUE, M. Notas forestales sobre Monegros. In Sociedad Economica Agragonesa de Amigos del Pais. Los Monegros, p.51-81. Zaragoza, 1951. 33.23 So1
Policy.

14176 TRUBNIKOV, M. Practices of innovators at conservation stations. (In Russian.) Lesn. Khoz. 5(3):63-70. Mar.1952. 99.8 L5622

14177 UGANDA. FOREST DEPT. Annual report for the year ended 31st December 1951. Entebbe,1952. 37 p. 99.9 Ug1

14178 UNION OF SOUTH AFRICA. DEPT. OF FORESTRY. Annual report for the year ended 31st March, 1951. Pretoria,1952. 26 p. 99.9 So84R

14179 U. S. FOREST SERV. The work of the U. S. Forest Service. U. S. D. A. Agr. Inform. B. 91,22 p. Aug.1952. 1 Ag84Ab
Revision of Miscellaneous Publication 290.

14180 U. S. TENNESSEE VALLEY AUTHORITY. DIV. OF FORESTRY RELATIONS. Annual report for the fiscal year ending June 30, 1952. n.p.,1952. 66 p. 173.2 T25Fr

14181 USHAKOV, V. P. Why the Dubrava Forest Conservation Station had failed to fulfill its production plan. (In Russian.) Lesn. Khoz. 5(5):92-93. May 1952. 99.8 L5622

14182 VICTORIA. FORESTS COMMISSION. Thirty-second annual report, financial year 1950-51. Melbourne,1952. 36 p. 99.9 V66

14183 WODERA, H. Forstpflege in den Vereinigten Staaten. Wien,1951. 263 p. (Die Studienreise; Schriftenreihe des Osterreichischen Produktivitäts-Zentrums) 99.61 W81

Legislation and Taxation

14184 BURKART, E. Liberalismus und bindung als prinzipien der forstgesetzgebung. Osterr. Forst- u. Holzwirt. 7:138-140. Apr.7,1952. 99.81 Os7

14185 KAMPLER, M. Die besteuerung der kalamitätsnutzungen. Osterr. Forst- u. Holzwirt. 7:219-220. June 7,1952. 99.81 Os7

14186 LUCAS. Die einkommensteuer aus holzeinschlägen. Bauernwald 6:31-32. Sept.27,1952. 99.8 B32

14187 PRAHAR, L. Federal tax treatment of gains and losses on the cutting of timber. J. Forestry 50:869-871. Nov.1952. 99.8 F768

14188 RAIA, N. A proposed law favoring poplar culture. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(95):6-7. Nov.11,1952. 281.8 Ag3

14189 ROTHERY, J. E. A study of forest taxation in the Pacific Northwest. Portland,Indus. Forestry Assoc., 1952. 47 p. 99.72 R74

14190 SCHROTTER, FREIHERR VON. Erfahrungen mit dem forstlichen artgesetz. Forst u. Holz 7:233-236. Sept.1,1952. 99.8 F7724

14191 SCHULTE-UENTROP, A. Zusammenschlüsse des kleinwaldbesitzes unter der einwirkung des gesetzes zum schutz des waldes in Nordrhein-Westfalen. Allg. Forstz. 7:457-460. Nov.5,1952. 99.8 AL52

14192 STRUNZ. Die erhöhung der grundsteuer. Osterr. Forst- u. Holzwirt. 7:198-199. May 21,1952. 99.81 Os7

14193 VETTER, O. Scheingewinne und ihre entsteuerung. Osterr. Forst- u. Holzwirt. 7:112-115, 136-138. Mar.21-Apr.7,1952. 99.81 Os7

14194 YLI-VAKKURI, P. A vital task—intensification of the enforcement of the Private Forest Act. (In Finnish.) Metsätaloudellinen Aikakauslehti 8:217-218. 1952. 99.9 F49
English summary.

Forest Description and Resources

14195 ÅKERHIELM, L. The virgin forest in the crown forest Alanäset in Jämtland. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 50:275-291. 1952. 99.8 Sk5

14196 BAKER, H. L., and POLI, A. Area and ownership of forest land in Sonoma County, California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 14,23 p. Sept.1952. 1.9 F7626F

14197 BOROVOĬ, V. Forest plantations in the Hungarian People's Republic. (In Russian.) Les i Step' 5: 93-94. May 1952. 99.8 L565

14198 CHONCHOL, J. Recursos forestales de Aisen y Chiloe continental. Rev. Forest. Chilena 2:38-43. June/July 1952. 99.8 R3292

14199 FOURCHY, P. Les peuplements forestiers de l'Oisans. Ecole Natl. des Eaux et Forêts et Sta. de Rech. et Expér. Ann. 12:409-466. 1951. 99.9 F845
English summary.

14200 GT. BRIT. FORESTRY COMMISSION. Britain's forests: Thornthwaite. London,1951. 19 p. 99.9 G795N

14201 HØDAL, A. An older planting of forest trees in Hordaland. (In Norwegian.) Skogen [Oslo] 17:74-80. 1952. 99.8 Sk56

14202 HUECK, K. Die Araukarienwälder des nördlichen Patagonien. Z. f. Weltforstwirt. 15:163-167. Aug. 1952. 99.8 Z35
English summary.

14203 ILVESSALO, Y. Metsikkölajien esiintyminen Suomen metsissä. Occurrence of the different kinds of wood stands in the Finnish forests. Finland. Metsäteteellisen Tutkimuslaitoksen. Julkaisu. 39(2),27 p. 1951, pub.1952. 99.9 F493
English summary.

14204 KALMYKOV, S. S. The Pistacia vera forests of Kazakhstan—unused reserve of natural resources. (In Russian.) Lesn. Khoz. 5(2):49-53. Feb.1952. 99.8 L5622

14205 KHARCHENKO, E. I. The forest-orchards of Crimea. (In Russian.) Lesn. Khoz. 5(4):61-62. Apr. 1952. 99.8 L5622

14206 LEHMANN, E. VON. Der wald des "hohen venn." Unser Wald 5(9):19-20. Sept.1952. 99.8 Un7

14207 LYBYE, S., NYHOLM, I., and GROSEN, S. On South Schleswig and Holstein. (In Danish.) Dansk Hedesellsk. Hedeselsk. Tidsskr. 73:175-183. Sept.10, 1952. 11 G35
Forests and reforestation.

14208 MINNESOTA. OFF. OF IRON RANGE RESOURCES AND REHABILITATION. The forest resource of Beltrami County, by S. K. Dickinson, Jr., A. G. Horn, and P. C. Guilkey. St. Paul,1952. 66 p. 99.14 M66

14209 PATRONE, G. The coefficient of forest lands in the regions of Italy. (In Italian.) Italia Forest. e Mont. 7:213-215. July/Aug.1952. 99.8 It12

14210 PEREKHOD, V. I. Forests of Soviet White Russia. (In Russian.) Lesn. Khoz. 5(2):44-48. Feb.1952. 99.8 L5622

14211 RANDHAWA, M. S. Progressive desiccation of northern India in historical times. Indian Forester 78: 497-505. Ref. Oct.1952. 99.8 In2
Includes effects on forests.

14212 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Forest statistics for Tennessee. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 70,56 p. June 1952. 1.9 F7624F

14213 VENET, J. La forêt domaniale de Haye: notice sur les 4e et 8e séries de futaie. Nancy,École Nationale des Eaux et Forêts,1951. 18 p. 99.25 V55

14214 WARD, J. D. U. From a forest notebook. Country Life [London] 112:1484-1485. Nov.7,1952. 80 C83

Individual Genera and Species

14215 ADAMIANTS, G. I. Pyramidal poplars [Populus nigra pyramidalis]. (In Russian.) Les i Step' 4(7):77-78. July 1952. 99.8 L565

14216 ARESES VIDAL, R. El tejo [Taxus] de Puentedeume (La Coruña). Montes 8:313-321. Sept./Oct.1952. 99.8 M763

14217 BADOUX, E. Les cultures de peuplier du Fort. Forêt 6:3-8. Oct.1952. 99.8 F7683

14218 BROCKMAN, C. F. Western red cedar (Thuja plicata D. Don.) Arboretum B. 15(3):10,25. Fall,1952. 451 Ar1

14219 BUKOV, A. S. Chestnut-leaf oak [Quercus castaneaefolia]. (In Russian.) Les i Step' 2:92-93. Feb. 1952. 99.8 L565

14220 CANDIDA, F. The revival of poplar culture. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(94): 10-11. Nov.8,1952. 281.8 Ag3

14221 COOK, D. B., SMITH, R. H., and STONE, E. L. The natural distribution of red pine [Pinus resinosa] in New York. Ecology 33:500-512. Ref. Oct.1952. 410 Ec7

14222 DUGELAY, A. La production et l'industrie du liège en France. Rev. Forest. Franç. 11:728-751. Nov. 1952. 99.8 R329

14223 FRONTERA MARQUES, B. La mejora en el genero Populus. Montes 8:247-262. Ref. July/Aug.1952. 99.8 M763

14224 GLOBA-MIKHAILENKO, D. A. Increasing the frost resistance of Eucalyptus. (In Russian.) Les i Step' 4(7):70-72. July 1952. 99.8 L565

14225 GUINIER. La question du peuplier dans le monde. Acad. d'Agr. de France. Compt. Rend. 39:435-440. June 25/July 9,1952. 14 P215Bc
Includes discussion.

14226 GUNZL, L. Die anzucht und kultur der pappeln. Osterr. Forst- u. Holzwirt. 7:115-116,158-159. Mar.21, Apr.21,1952. 99.81 Os7

14227 GUTIEV, G. T. Eldarica pine. (In Russian.) Les i Step' 5:83. May 1952. 99.8 L565

14228 HAUKOM, A. S. Northern white cedar (Thuja occidentalis). Wis. Conserv. B. 17(11):36-37. Nov. 1952. 279.8 W752

14229 HOLTEN, J., and MOLTESEN, P. Larch. (In Danish.) Dansk Skovfor. Tidsskr. 37:393-425. Ref. Aug. 1952. 99.8 D23
Culture and utilization.
Discussion p. 426-434.

14230 HOLTEN, J. The larch. (In Danish.) Svenska Skogsvårdsför. Tidskr. 50:263-274. 1952. 99.8 Sk5

14231 HUFNAGL, H. Die esche. Bauer 5(29):2-3. Aug.30,1952. 19 B32

14232 IANKAUSKAS, M. A. Distribution of larch species in Lithuanian SSR. (In Russian.) Lesn. Khoz. 5 (2):80-84. Feb.1952. 99.8 L5622

14233 JAMES, N. D. G. A forestry letter. I. The case for lime and cherry. Land Agents' Soc. J. 51:467-469. Oct.1952. 282.9 L22
As forest trees.

14234 KADAMBI, K. On the occurrence of Bambusa polymorpha Munro in Bori Valley, Hoshangabad Division, Madhya Pradesh. Indian Forester 78:506-508. Oct.1952. 99.8 In2

14235 KOZDON, P. Observaciones sobre el comportamiento de diversas especies forestales en la precordillera argentina. Rev. Forest. Chilena 2:86-88. Aug.1952. 99.8 R3292

14236 KRONSKII, E. At the Borovoi Forest Experimental Station. (In Russian.) Les i Step' 4:61-64. Apr. 1952. 99.8 L565
Pinus.

14237 LEGGAT, G. Eucalyptus in the urban and rural economy of Uganda. East African Agr. J. 17:176-178. Apr.1952. 24 Ea74

14238 LUNGO, A. DEL. Allanthus, cellulose plant. (In Italian.) Terra e Sole 122:345-349. Oct.1952. 16 T273

14239 MCATEE, W. L. The lash-horn tree. Nat. Mag. 45:540-541. Dec.1952. 409.6 N214
Abies fraseri.

14240 MCCLURE, F. A. Bamboo in Latin America Turrialba 2:110-113. July/Sept.1952. 8 T86

14241 MARTIN LEBER, A. Posibilidades sobre el cultivo del Eucaliptus en el Delta de Buenos Aires, Argentina. Min. de Agr. y Ganad. Almanaque 26/27: 100-103. 1951/52. 9 Ag874

14242 MATTOON, W. R. Slash pine [Pinus caribaea]. U. S. D. A. Farmers' B. 1256,rev.,56 p. 1951. 1 Ag84F

14243 MICKALITIS, A. B. Honeylocust [Gleditsia triacanthos] thorny or thornless. Pa. Forests & Waters 4:112-113,117. Sept./Oct.1952. 99.8 P38

14244 MONTALDO B., P. Los arboles chilenos y su denominacion. Rev. Forest. Chilena 2:53-57. June/July 1952. 99.8 R3292

14245 NARZIKULOV, M. N. Whether or not to introduce black locust [Robinia pseudoacacia] into the shelterbelt plantations. (In Russian.) Lesn. Khoz. 5(5):49. May 1952. 99.8 L5622

14246 NAVARRO DE ANDRADE, E. En Argentina el árbol más productivo y de más fácil cultivo es el eucalipto. Montes 8:281-282. July/Aug.1952. 99.8 M763

14247 O'BYRNE, J. W. Sweet gum (Liquidambar styraciflua L.). Va. Forests 7(5):3,14. Sept./Oct.1952. 99.8 V81

14248 OFFNER, H. Stirbt die weisstanne aus? Allg. Forst- u. Jagdztg. 124:39-51. Nov.15,1952. 99.8 AL3

14249 ROHMEDER, E., and MEYER, H. 23jährige anbauversuche in Bayern mit Pinus contorta Douglas (Pinus murrayana Balfour) verschiedener herkunft. Forstwiss. Centbl. 71:257-272. Ref. Sept./Oct.1952. 99.8 F775

14250 ROL, R. Les peupliers et les principales essences forestières et l'est des Etats-Unis. Ecole Natl. des Eaux et Forêts et Sta. de Rech. et Expér. Ann. 12: 525-637. 1951. 99.9 F845

14251 ROVSKĬI, V. M. On prospects of Eucommia culture in Middle Asia. (In Russian.) Lesn. Khoz. 5(4): 16-18. Apr.1952. 99.8 L5622

14252 SANTOS BILONI, J. Un árbol argentino: alecrín o ibirá-pepé. Mundo Agr. 4(40):22. Sept.1952. 9 M92
Holocalyx.

14253 SCHENK, P. J. Taxodium distichum Rich. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:257-261. Oct.1952. 12 N282

14254 SHALYT, M. S. On the natural plantations of tamarix. (In Ukrainian.) Akad. Nauk Ukrain. RSR. Inst. Lisivnyfstva. Pratsi 2:117-146. Ref. 1951. 99.9 K54
Russian summary.

14255 SMITH, N. F. Basswood [Tilia]. Timber Prod. B. 115:10-11. Oct.1952. 99.9 T482B

14256 SMITH, N. F. White pine [Pinus strobus]. Timber Prod. B. 114:10-11. Sept.1952. 99.9 T482B

14257 SPLETTSTOSSER. Die omoricafichte. Forst u. Holz 7:272-273. Ref. Oct.1,1952. 99.8 F7724

14258 TANSLEY, A. G. Oaks and oak woods. London,Methuen,1952. 50 p. (Field Study Books) 99.3 T15

14259 TSERLING, G. I. Larch-tree in the Volga Region. (In Russian.) Les i Step' 4(7):76-77. July 1952. 99.8 L565

14260 VERESIN, M. M. An interesting specimen of oak [Quercus robur]. (In Russian.) Lesn. Khoz. 5(2):53-56. Feb.1952. 99.8 L5622
Formation of willow-like leaves.

14261 WILLIER, E. C. Trees of the West. New York,Pageant Press,1952. 29 p. 99.3 W67

FOREST MANAGEMENT AND FINANCE

14262 BARANOV, N. I., and KURBATSKII, N. P. Taksatsiia lesosek [Valuation of cutting areas]. Moskva, Goslesbumizdat,1951. 120 p. 99.57 B23

14263 BECKING, J. H. Increase in forestry returns in the Netherlands. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:242-243. Sept.1952. 99.8 N28

14264 BORODIN, M. M. Good organization of work is responsible for the success of the business. (In Russian.) Les i Step' 4:35-37. Apr.1952. 99.8 L565
Trees.

14265 CRAIG, J. B. The changing forest pattern. Lumberman 79(11):98,100,103. Nov.1952. 99.81 W52
Forest credit.

14266 DIMITZ, J. Waldwertrechnung als ergebnis der tatsächlichen erscheinungen und forderungen des wirtschaftslebens. Allg. Forstztg. 63:221-224. (Cont.) Oct.1952. 99.8 AL53

14267 DUERR, W. A., and BOND, W. E. Private forest management in the American "lower South." Unasylva 6:59-65. Ref. June 1952. 99.8 Un1

14268 FEDOROV, P. F. New machines and devices for forestry. (In Russian.) Lesn. Khoz. 5(3):56-60. Mar.1952. 99.8 L5622

14269 FLINTA, C. M. Banco mixto de crédito forestal. Chacra 23(264):59. Nov.1952. 9 C34
Argentina.

14270 FUCHS, F., and SCHMALZ, W. Die aufgaben der forsteinrichtung. Wald 2:316-318. Oct.1952. 99.8 W143

14271 GIBBS, J. A., and LANE, K. Slash pine [Pinus caribaea] planting makes remarkable growth. J. Forestry 50:837-839. Nov.1952. 99.8 F768
Returns per acre from timber.

14272 HACHENBERG, F. Bedenken gegen einseitige verfahren. Unser Wald 5(9):4-6. Sept.1952. 99.8 Un7
Forest engineering.

14273 HOLM, J. Volume observations in the Bregentved area. (In Danish.) Dansk Skovfor. Tidsskr. 37:390-392. Aug.1952. 99.8 D23

14274 JARVINEN, A. E. On the profitability of forestry in north Finland. (In Finnish.) Metsätaloudellinen Aikakauslehti 8:221-223. 1952. 99.9 F49

14275 KARIGL, H. Die kehrseite der holzüberschlägerungen. Osterr. Forst- u. Holzwirt. 7:109-110. Mar.21,1952. 99.81 Os7

14276 KOENINGS, R. H. Well-managed private woodland benefits you. Wis. Conserv. B. 17(11):22-24. Nov.1952. 279.8 W752

14277 KOHLER. Waldwege-inventur und wegeneuplanung im Harz. Forst u. Holz 7:255. Sept.16,1952. 99.8 F7724

14278 KOVALIN, D. T. Development of mechanization in forestry. (In Russian.) Lesn. Khoz. 5(3):6-17. Mar.1952. 99.8 L5622

14279 KOZLENKO. G. M. Rationalization of work with aerial photographs in forest management. (In Russian.) Lesn. Khoz. 5(5):61-65. May 1952. 99.8 L5622

14280 KRUGLOV, V. E. Valuable experience of the Slobodskoi mechanizers. (In Russian.) Les i Step' 4: 45-48. Apr.1952. 99.8 L565
Forestry.

14281 LORENZ-LIBURNAU, H. Zusammenhänge zwischen zuwachs, kulturrückständen und angemessenem holzeinschlag. Osterr. Forst- u. Holzwirt. 7:151-154. Apr.21,1952. 99.81 Os7

14282 PATRONE, G. Plan d'amenagement des bois de la Commune de Civitanova del Sannio. (In Italian.) Italia Forest. e Mont. 7:168-190. July/Aug.1952. 99.8 It12
French summary.

14283 POCKBERGER, J. Die schweizer schule. Osterr. Forst- u. Holzwirt. 7:68-70. (Concl.) Feb.21, 1952. 99.81 Os7

14284 PUTNAM, J. A. Cutting schedule for even-aged bottomland hardwoods. J. Forestry 50:866-867. Nov.1952. 99.8 F768

14285 QUERENGASSER, F. Fragen des grossprivatwaldes in den USA. Z. f. Weltforstwirt. 15:150-156. Aug. 1952. 99.8 Z35
English summary.

14286 SIMON, G. Rentabilité du boisement des dunes maritimes. Rev. Forest. Franç. 11:709-713. Nov.1952. 99.8 R329

14287 SKARPENGLAND, B. Forest assessment in time of high prices. (In Norwegian.) Skogbrukeren 27: 223-224. Oct.1,1952. 99.8 Sk54

14288 SPURR, S. H. Aerial photos aid forest management. Minn. Farm & Home Sci. [Minn. Sta.] 10:15,17. Oct.1952. 100 M668

14289 STRANGE, J. D. Gair Woodlands practices integrated utilization. AT-FA Journal 15:5-6. Oct.1952. 309.8 Am3

14290 STREYFFERT, T. Overcutting and import requirements in Western Germany. (In Swedish.) Svensk Trävaru-Tidn. Svensk Pappersmassetidn. 17:981-982, 985-986. 1952. 99.81 Sv22

14291 TAN CHEIN HOE. Working plan for the Delta Forest Division for the period 1947-48 to 1956-57. Rangoon,1952. 2 v. 99.67 T15

14292 THONET, H. M. Die österreichische waldwerttafel und ihre verwendung. Osterr. Forst- u. Holzwirt. 7:256-259. July 7,1952. 99.81 Os7

14293 VESELI, D. Primeval forests and their conversion into economic forests. (In Serbo-Croatian.) Narod. Šumar 6:130-137. May/June 1952. 99.8 N16

14294 WACKERMAN, A. E. Problems and progress in forestry in the pine forests of the southeastern United States. Z. f. Weltforstwirt. 15:159-163. Aug.1952. 99.8 Z35

14295 WALDBAUER, H. Was erwartet die praxis von der forsteinrichtung? Allg. Forstz. 7:446-448. Oct.29, 1952. 99.8 AL52

14296 WEITBRECHT, P. Bewirtschaftungsprobleme in einem buntsandsteinrevier des Hochschwarzwaldes. Allg. Forst- u. Jagdztg. 124:51-57. (Cont.) Nov.15,1952. 99.8 AL3

14297 YLI-VAKKURI, P. On illegal felling in immature forests. (In Finnish.) Metsätaloudellinen Aikakauslehti 9:233-234. 1952. 99.9 F49
English summary.

14298 ZLATOGORSKIĬ, N. V. Tasks of forest shelter belt stations and machine-tractor stations in getting ready for spring work. (In Russian.) Les i Step' 4(1):39-42. Jan.1952. 99.8 L565
Equipment.

Farm Woodlands

14299 BENNETT, H. D. Managing your woodland: harvesting the crop. Amer. Forests 58(11):17,42-43. Nov.1952. 99.8 F762

14300 CARNEVALE, J. A. Plantacion de forestales para las necesidades de la chacra. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:329-334. 1951/52. 9 Ag874

14301 EDLIN, H. L. Timber II. Farmers Wk. [London] 37(20):66-67. Nov.14,1952. 10 F2226
How to conserve stocks and make use of the timber on the farm.

14302 ELAGIN, I. N. To improve the collective farm forests in every way. (In Russian.) Lesn. Khoz. 5(2):76-78. Feb.1952. 99.8 L5622

14303 FOX, L. Managed woodland—more timber. Soil Conserv. 18:86-87,89. Nov.1952. 1.6 So3S

14304 GRÎAZNOV, A. N. Experience of a forest improving brigade of the "Krasnyi" sovkhoz. (In Russian.) Les i Step' 5:64-67. May 1952. 99.8 L565
Windbreaks.

14305 HANSEN, H. L., and DUNCAN, D. P. Thirty years of windbreak studies. Minn. Farm & Home Sci. [Minn. Sta.] 10:18-19. Oct.1952. 100 M668

14306 ÎAKOVLEV, M. I. Screens of corn for the protection of fields and young forest belts. (In Russian.) Les i Step' 3:65-66. Mar.1952. 99.8 L565
Windbreaks.

14307 IVCHENKO, S. I. Forest cultivation on kolkhozes of the Valkovskii Region. (In Russian.) Les i Step' 3:49-51. Mar.1952. 99.8 L565
Windbreaks.

14308 KARIGL, H. Edelhölzer im bauernwald. Bauer 5(34):2. Oct.4,1952. 19 B32
Austria.

14309 MOORE, E. B. The New Jersey Farm Forestry Program. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 4:4-5. Apr.10,1952. 99.9 N422

14310 OREGON. FARM FORESTRY COMMITTEE. Farm forestry; an appraisal of the problems and a statement of recommendations. Oreg. Agr. Expt. Sta. Oreg. Agr. 13,47 p. Aug.1952. 100 Or3O

14311 SAUER, E. Fragen des kleinprivatwaldes in den USA. Z. f. Weltforstwirt. 15:156-159. Aug.1952. 99.8 Z35
English summary.

14312 SØRENSEN, H. Maintenance of windbreaks. (In Danish.) Jydsk Landbr. 34:699-701. Oct.9,1952. 11 J99

14313 SYLVESTRE, J. Vingt acres de bois sur chaque ferme. Forêt Conserv. 18(9):7,9. Nov.1952. 99.8 F792

14314 U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. There's money in your woods, by S. H. Buehling. Asheville,N.C.,1952. 8 p. 1.9622 S4T34

14315 WENKE, H. U. Der bäuerliche wald, gesehen unter organisatorischen und forstpolitischen notwendigkeiten. Deut. Forstmann, p.75-77. In Forst u. Holz 7(19). Oct.1,1952. 99.8 F7724

14316 WINCH, F. E., JR. Care of forest plantations on farm lands. N. Y. Agr. Col. Cornell Ext. B. 867,24 p. Oct.1952. 275.29 N48E

14317 ZHIVAEV, N. N. Foresters avoid a pattern in establishing field shelterbelts. (In Russian.) Les i Step' 5:61-64. May 1952. 99.8 L565
Windbreaks.

14318 ZOTOV, V. V. Forest belts—an important factor in the struggle for crops. (In Russian.) Les i Step' 4:38-40. Apr.1952. 99.8 L565
Windbreaks.

Mensuration, Surveying, Photogrammetry

14319 BEDELL, G. H. D., and MACLEAN, D. W. Nipigon growth and yield survey. Canada. Forest Res. Div. Silvicult. Res. Note 101,51 p. Ref. 1952. 99.9 C16Re

14320 BITTERLICH, W. Der visiermesswinkel mit kreisflächen- gewichtsteilung. Osterr. Forst- u. Holzwirt. 7:233-235. June 21,1952. 99.81 Os7

14321 BRITISH COLUMBIA LUMBER MANUFACTURERS ASSOCIATION. EDUCATIONAL DEPT. Lumber tallying and shipping, by L. B. Dixon. Vancouver, 1951. 48 p. 99.4 B772

14322 CARVALHO, A. DE. Cubagem de madeiras [Wood volume measurement]. Ed. 3. São Paulo,1952. 193 p. (Manuais Técnicos LEP. 6) 99.4 C252
Volume tables for logs and lumber.

14323 CLAUSER, F. Total caliper in the measurement of timber. (In Italian.) Italia Forest. e Mont. 7:211-213. July/Aug.1952. 99.8 It12

14324 DANILOV, V. N. Peculiarities of mensuration of the saxoul [Haloxylon ammodendron] forests in Middle Asia. (In Russian.) Lesn. Khoz. 5(5):59-60. May 1952. 99.8 L5622

14325 DAVIDOV, M. V. Rate of growth of closed-canopy beech [Fagus] plantations. (In Russian.) Lesn. Khoz. 5(4):48-51. Apr.1952. 99.8 L5622
Volume tables.

14326 ESCORIHUELA ALLEPÚZ, T. Tasaciones y cubicaciones de maderas, leñas y demás productos forestales por el celador del distrito forestal de Castellon de la Plana. n.p.,Gómez,1951. 64 p. 99.75 Es1

14327 EVANS, T., and MCCLAY, T. A. Rules-of-thumb for volume and value in pulpwood trees. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 4,2 p. Jan.1952. 1.9622 S4R312

14328 FORBES, R. H. Aerial photos in fifteen minutes. Amer. Forests 58(11):28,30. Nov.1952. 99.8 F762

14329 FOSTER, R. E., and FOSTER, A. T. Estimating decay in western hemlock. Brit. Columbia Lumberman 36(11):42-43,93,96,100,118. Nov.1952. 99.81 B77
Tsuga heterophylla.

14330 GEVORKIANTZ, S. R., and OLSEN, L. P. Cubic content of sawlogs in standing trees. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 382,1 p. Oct.1952. 1.9 F7625T

14331 HORKY, A. Die waldstandsaufnahme in Osterreich. (Extr.) Osterr. Forst- u. Holzwirt. 7:214-219. June 7,1952. 99.81 Os7

14332 ILVESSALO, Y. III valtakunnan metsien arviointi. Suunnitelma ja maastotyön ohjeet. Third national forest survey of Finland. Plan and instructions for field work. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 39(3),67 p. 1951,pub.1952. 99.9 F493
English summary.

14333 IVANIŪTA, V. M. A logarithmic slide rule in forestry. (In Russian.) Lesn. Khoz. 5(4):92-93. Apr. 1952. 99.8 L5622
For mensuration calculations.

14334 JOHNSON, E. W. Using aircraft in checking forest photo-interpretation. J. Forestry 50:853-855. Nov.1952. 99.8 F768

14335 KELTIKANGAS, V. Some aspects of tree growth calculation, with special attention on changes in tree form. (In Finnish.) Metsätaloudellinen Aikakauslehti 8:205-209. 1952. 99.9 F49

14336 KIMMEY, J. W., and HORNIBROOK, E. M. Cull and breakage factors and other tree measurement tables for redwood [Sequoia sempervirens]. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 13,28 p. May 1952. 1.9 F7626F

14337 KOMMITTÉN FOR SKOGLIG FOTOGRAMMETRI. STOCKHOLM. Flygbilden i skogsbrukets tjänst [Aerial photography in the service of forestry]. Stockholm,1951. 196 p. 325.2 K83

14338 KUUSELA, K. The possible use of the differential method in growth calculation. (In Finnish.) Metsätaloudellinen Aikakauslehti 8:209-211. 1952. 99.9 F49
English summary.

14339 MANDELSLOH, VON. Fotografieren im walde. Allg. Forstz. 7:451-452. Oct.29,1952. 99.8 AL52

14340 MERRICK, A. M., and MARTINELLI, M., JR. Calculation of volume of hardwood logging waste. J. Forestry 50:824. Nov.1952. 99.8 F768

14341 MICHELL, A. S. Weight of wood as a measure of volume. Annu. Ring 1952:24-25. 99.8 An74

14342 OGORODOV, N. V. Compiling tables for types of growth at the factory of mechanized accounting. (In Russian.) Lesn. Khoz. 5(4):55-57. Apr.1952. 99.8 L562[illegible]

14343 SCHUSTER, F. Altersklassentabelle nach der gleichflächenmethode und in konkreten flächen. Osterr. Forst- u. Holzwirt. 7:271-274. July 21,1952. 99.81 Os7

14344 SEGEMARK, K. R. Aerial photography. (In Swedish.) Skogen [Stockholm] 39:114*115*118* Oct.15, 1952. 99.8 Sk51

14345 SUSMEL, L. Normal state (II) and calculation of yield in Comelico fir. (In Italian.) Monti e Boschi 3: 387-397. Sept.1952. 16 M76
English summary.

14346 STAEBLER, G. R. The formula Scribner log rule. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Notes 78,6 p. Mar.1952. 1.9 F7629Fr

14347 THIELE, R. Kubiktabelle für rundholz nach mittenumfang. Stuttgart,Holz-Zentralblatt,1952. 45 p. 99.4 T34K

14348 TODD, A. S., JR. Rates of net annual growth in cords applicable to large forested areas in South Carolina. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 3, 1 p. Jan.1952. 1.9622 S4R312

14349 TRET'ÎAKOV, N. V., GORSKIĬ, P. V., and SAMOĬLOVICH, G. G. Spravochnik taksatora; tablitsy dlîa taksatsii lesa [Reference book for the estimator; tables for forest valuation]. Moskva,Goslesbumizdat, 1952. 852 p. 99.4 T72

14350 U. S. FOREST SERV. NORTHEASTERN FOREST EXPERIMENT STATION. Report on cooperative test of "continuous-inventory" forest survey system in eastern Maryland, by C. A. Bickford, R. A. Chapman, and A. B. Caporaso. Upper Darby,Pa.,1952. 31 p. 1.9622 N2R29

14351 WECK. Folgerungen aus neueren erkenntnissen der waldwachstumskunde. (Sum.) Allg. Forstz. 7: 463-464. Nov.5,1952. 99.8 AL52

14352 YOUNG, H. E. Practical limitations of the dial gauge dendrometer. Ecology 33:568-570. Oct.1952. 410 Ec7

14353 ZIMMERMAN, A. H., and CUMMINGS, W. H. Redcedar [Juniperus virginiana] cumulative volume tally. J. Forestry 50:867. Nov.1952. 99.8 F768

Silviculture

14354 ALONZO, A. E. Provisión de madera para envases; cultivo del álamo en Rio Negro. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:169-174. 1951/52. 9 Ag874

14355 BUNUŠEVAČ, T. Gajenje šuma [Forest cultivation], v. 1. Beograd,Naučna Knjiga,1951. 450 p. 99.45 B88

14356 CHERNOBROVTSEV, M. S. Growth and development of oak cultivated in groups during the first years of life. (In Russian.) Lesn. Khoz. 5(4):87-88. Apr.1952. 99.8 L5622

14357 COILE, T. S. Soil and the growth of forests. Advn. Agron. 4:330-398. Ref. 1952. 30 Ad9

14358 DEMENT'EV, P. I. Some peculiarities in Siberian larch cultivation. (In Russian.) Lesn. Khoz. 5(2):24-26. Feb.1952. 99.8 L5622

14359 GLADYSHEVSKII, M. K. 130 years experience in shelterbelt silviculture in Mokhovoye. (In Russian.) Lesn. Khoz. 5(2):29-31. Feb.1952. 99.8 L5622

14360 GOLINEVICH, P. N. Analysis of change of species and progress of natural regeneration by statistical data. (In Russian.) Lesn. Khoz. 5(2):71-76. Feb. 1952. 99.8 L5622

14361 GRACHEV, A. G. Mechanization of silvicultural work. (In Russian.) Lesn. Khoz. 5(3):40-41. Mar. 1952. 99.8 L5622

14362 HEIKINHEIMO, O. Kokemuksia visakoivun kasvatuksesta. Experiences in the growing of curly birch [Betula pendula]. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 39(5),26 p. Ref. 1951,pub.1952. 99.9 F493
English summary.

14363 HEUELL. Umwandlung von niederwald in hochwald. Unser Wald 5(9):8-9. Sept.1952. 99.8 Un7

14364 HILLS, G. A. The classification and evaluation of site for forestry. Ontario. Dept. Lands & Forests. Res. Div. Res. Rpt. 24,41 p. Aug.1952. 99.9 On84

14365 HILLS, G. A. The role of site in forestry. Annu. Ring 1952:22-23. 99.8 An74

14366 HUECK, K. Verbreitung und standortsansprüche der brasilianischen Araukarie (Araucaria angustifolia). Forstwiss. Centbl. 71:272-289. Ref. Sept./Oct.1952. 99.8 F775

14367 ĪŪNASH, G. G. Manifestation of interspecific mutual assistance in the forest plantings on the dry sand dunes of the Buzuluk Forest. (In Russian.) Lesn. Khoz. 5(2):56-61. Feb.1952. 99.8 L5622

14368 KALASHNIKOV, A. Growth of oak in solonetz soils. (In Russian.) Les i Step' 5:85-86. May 1952. 99.8 L565

14369 KORNEV, V. P. Change in underbrush during growth of pine plantations. (In Russian.) Lesn. Khoz. 5(2):65-70. Feb.1952. 99.8 L5622

14370 KORNEV, V. P. Cultivation of Crimean pine [Pinus nigra caramanica] on the sands of the Middle Don. (In Russian.) Lesn. Khoz. 5(5):38-39. May 1952. 99.8 L5622

14371 KOZDON, P. Cuidados y manejo de los bosques de pinos insignes. Rev. Forest. Chilena 2:46-48. June/July 1952. 99.8 R3292

14372 LARIN, I. I. For a high adaptation of forest crops [to their environmental conditions]. (In Russian.) Lesn. Khoz. 5(4):85-86. Apr.1952. 99.8 L5622
Pinus culture chiefly.

14373 LAVRINENKO, D. D. Pine-oak crops [in forest plantations]. (In Ukrainian.) Akad. Nauk Ukrain. RSR. Inst. Lisivnytstva. Pratsi 2:56-116. Ref. 1951. 99.9 K54
Russian summary.

14374 LEIBUNDGUT, H. Aufbau und waldbauliche bedeutung der wichtigsten natürlichen waldgesellschaften in der Schweiz. Ed. 2, rev. and enl. Bern,Sekretariat der Eidg. Inspektion für Forstwesen, Jagd und Fischerei, 1951. 102 p. Ref. 463.83 L53

14375 LĪŪBICH, F. P. Accelerating the growth and development of oak. (In Russian.) Les i Step' 3:7-11. Mar.1952. 99.8 L565

14376 MIROV, N. T., DUFFIELD, J. W., and LIDDICOET, A. R. Altitudinal races of pinus ponderosa—a 12-year progress report. J. Forestry 50:825-831. Ref. Nov.1952. 99.8 F768

14377 ORLOV, A. IA. Distribution and nature of growth of Fagus orientalis and Abies nordmanniana in various parts of north-western Caucasus. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(3):61-67. 1952. 511 M85

14378 PAULUCCI, C. M. Instrucciones prácticas para el cultivo de la acacia blanca. Res 20:27163. July 20,1952. 286.85 R31

14379 PICCAROLO, G. Poplar cultivation. (In Italian.) Cam. di Com. Indus. e Agr. di Alessandria. Rass. Econ. 6(8):2-9. Aug.1952. 287 AL24

14380 POBEDINSKIĬ, A. V. Change in forest growing environment effected by tractor hauling. (In Russian.) Lesn. Khoz. 5(3):34-39. Mar.1952. 99.8 L5622
Forest regeneration chiefly.

14381 POGREBNIAK, P. S. Investigation of soils and root systems in the forests of Polesye, Ukrainian SSR. (In Ukrainian.) Akad. Nauk Ukrain. RSR. Inst. Lisivnyĭstva. Pratsi 2:3-42. Ref. 1951. 99.9 K54
Russian summary.

14382 PROTASOV, A. N. Cultivation of Siberian larch in the area of dark Chestnut soils in Kazakhstan. (In Russian.) Lesn. Khoz. 5(2):31-33. Feb.1952. 99.8 L5622

14383 SAKHAROV, M. I. Relation of temperature of pine trunks to forest types. (In Russian.) Akad. Nauk SSSR. Dok. 85:1373-1376. Ref. Aug.21,1952. 511 P444A

14384 SARVAS, R. Tutkimuksia puolukkatyypin kuusikoista. Investigations into the spruce stands of Vaccinium type. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 39(1),82 p. Ref. 1951,pub.1952. 99.9 F493
English summary.

14385 SHUMAKOV, V. S. Type of oak plantations on Chestnut and light Chestnut soils. (In Russian.) Lesn. Khoz. 5(5):45-48. May 1952. 99.8 L5622

14386 STOUT, B. B. Species distribution and soils in the Harvard forest. Harvard Forest B. 24,29 p. 1952. 99.9 H264

14387 TSALIKHINA, M. N. Oak spends the winter in forest shelter belts. (In Russian.) Les i Step' 4(1):84. Jan.1952. 99.8 L565

14388 WENGER, K. F. Effect of moisture supply and soil texture on the growth of sweetgum [Liquidambar styraciflua] and pine [Pinus taeda and P. echinata] seedlings. J. Forestry 50:862-864. Nov.1952. 99.8 F768

14389 WIN, U. N. A note on kyathaung (Bambusa polymorpha) flowering in Pyinmana Forest Division. Burmese Forester 1:52-56. Sept.1951. 99.8 B92
Opportunity to introduce teak.

Silvicultural Practices

14390 ANTROPOV, T. F. Soil tillage for shelterbelts on slopes. (In Russian.) Lesn. Khoz. 5(2):26-28. Feb. 1952. 99.8 L5622

14391 AREND, J. L., and COULTER, L. L. Frill girdle tests with 2,4,5-T in lower Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 385,1 p. Oct.1952. 1.9 F7625T

14392 BECKING, J. H. The economy of heavy thinning in Douglas fir plantations. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:257-269. Oct.1952. 99.8 N28
English summary.

14393 BRISTULF, P. O. Maintenance of forest ditches in Gävleborg Province. (In Swedish.) Tidskr. f. Hushsällsk. och Skogsvårdsstyr. i Gävleborgs Län 27:132-133. 1951. 11 T434

14394 DANNECKER. Das plenterprinzip mit vorratskontrolle waldführungen der arbeitsgemeinschaft naturgemässe waldwirtschaft. Allg. Forstz. 7:475-476. Nov.12,1952. 99.8 AL52

14395 DANNECKER, K. Das plenterprinzip im fichtenwald. Forst u. Holz 7:295-298. Ref. Nov.1,1952. 99.8 F7724

14396 DZIVAK, M. F. Care of young oak forests by the method of girdling and cutting. (In Russian.) Lesn. Khoz. 5(5):52-55. May 1952. 99.8 L5622

14397 ELPAT'EVSKIĬ, M. P., and ALBÍAKOV, M. P. Mechanization of work in forest drainage. (In Russian.) Lesn. Khoz. 5(3):26-34. Mar.1952. 99.8 L5622

14398 IVANOV, N. M. Wider utilization of the powerful [mechanized] assemblage in forest planting and forest care. (In Russian.) Les i Step' 4:41-45. Apr.1952. 99.8 L565

14399 KURUSHIN, F. M. Results of the competition for a forest cultivator. (In Russian.) Lesn. Khoz. 5(3): 52-56. Mar.1952. 99.8 L5622

14400 LENZ, A. Die durchforstung als produktionsfördernde massnahme. Landwirtschaft 21/22:330-331. Nov.1952. 19 L235
Methods in Austria.

14401 LITTLE, S., SOMES, H. A., and ALLEN, J. P. Choosing suitable times for prescribed burning in southern New Jersey. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 51,7 p. Aug.1952. 1.9622 N2St22

14402 LUKKALA, O. J. Kokemuksia Jaakkoinsuon koeojitusalueelta. Experiences from Jaakkoinsuo experimental drainage area. Finland. Metsätieteellisen Tutkimuslaitoksen. Julkaisu. 39(6),53 p. 1951,pub.1952. 99.9 F493
English summary.

14403 LUNDBERG, G. Skogsdikningarna på Bjurfors kronopark. En sammanfattning av resultat och erfarenheter. Entwässerungsarbeiten im Forstamt Bjurfors. Sweden. Skogshögsk. Skr. 8,92 p. 1952. 99.9 St63
German summary.

14404 LUTHARDT, W. Biologische stubbenrodung. Wald 2:294-297. Oct.1952. 99.8 W143

14405 MALHOTRA, K. C. Treatment of waterlogged areas. Indian Forester 78:509-513. Oct.1952. 99.8 In2

14406 MARDZHANISHVILI, A. S. Contradictions in the "Instructions on improvement cuttings in the mountain forests." (In Russian.) Lesn. Khoz. 5(5):50-51. May 1952. 99.8 L5622

14407 MEYER, O. R. Metodos de corta aplicables en los bosques argentinos. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:273-276. 1951/52. 9 Ag874

14408 MICHAUT, H. La conversion des taillis sous futaie a base de chêne chez les particuliers de la Région de l'Est. Forêts de France et Action Forest. 41:8-9. Aug./Sept.1952. 99.9 F315

14409 MIKHOVICH, A. I. Experiments in caring for forest trees in south-eastern regions. (In Russian.) Les i Step' 4(1):71-73. Jan.1952. 99.8 L565

14410 MURAV'EV, V. S. Influence of tillage equipment on acclimatization and growth of pines in sandy soil. (In Russian.) Les i Step' 5:52-56. May 1952. 99.8 L565

14411 PAVLOVSKIĬ, D. TA. New forest cultivator for tillage between rows. (In Russian.) Les i Step' 3:35-40. Mar.1952. 99.8 L565

14412 PLETMINTSEVA, T. Effect of intensive improvement cuttings on the quality of young oak forests. (In Russian.) Lesn. Khoz. 5(4):52-53. Apr.1952. 99.8 L5622

14413 POGREBNIAK, P. S., FLOROVSKIĬ, A. M., and IL'KUN, G. M. Forest crops grown in groups and fertilized with peat. (In Russian.) Lesn. Khoz. 5(2):11-17. Feb.1952. 99.8 L5622
Cultivation of pine on sandy soils.

14414 POLÍAKOV, A. Wide-catching KUTP-5,0 tractor cultivator [in silvicultural work]. (In Russian.) Lesn. Khoz. 5(3):61-62. Mar.1952. 99.8 L5622

14415 RYBAL'CHENKO, I. S. Strip tillage on grass covered sands with the P-5-35 tractor plow. (In Russian.) Les i Step' 4:48-49. Apr.1952. 99.8 L565
Forests.

14416 SAMOĬLOVICH, G. G. Utilization of aviation in surveying the blooming of pine plantations. (In Russian.) Lesn. Khoz. 5(4):58-60. Apr.1952. 99.8 L5622

14417 SHAW, E. W., and STAEBLER, G. R. An analysis of investments in pruning. J. Forestry 50:819-823. Nov.1952. 99.8 F768

14418 SORKIN, S. L., and NAZAROV, F. G. Accumulation of moisture in the soil by the moldboard and jointer [of a furrow-plow]. (In Russian.) Lesn. Khoz. 5(3):43-45. Mar.1952. 99.8 L5622
Tillage of forest soils.

14419 STOCKL, J. Einmannarbeit? Osterr. Forst- u. Holzwirt. 7:197-198. May 21,1952. 99.81 Os7
Thinning; labor management.

14420 STOECKELER, J. H., and ARBOGAST, C. Power-saw girdling saves time in timber stand improvement. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 383,1 p. Oct.1952. 1.9 F7625T

14421 TROMP, P. H. M. Zur maschinellen bearbeitung des waldbodens. Tech. f. Bauern u. Gärt. Ausg. A. 4:398-399. (Cont.) Sept.10,1952. 58.8 T223

14422 TSCHERMAK, L. Die durchforstung als mittel der produktionssteigerung. (Sum.) Osterr. Forst- u. Holzwirt. 7:64-66. Feb.21,1952. 99.81 Os7

14423 VYSTAVKIN, P. S. Densely planted oak groves on the land plot "Dedovo-Vesëloe." (In Russian.) Les i Step' 2:45-53. Feb.1952. 99.8 L565

14424 YORK, H. H. Tree pruning tools. Ala. Conserv. 23(6):8-9. July/Aug.1952. 279.8 AL1

14425 ZUHLKE, D. S. Kahlflächen und weideraufbau eines biologisch gesunden waldes. Allg. Forstz. 7:454-455. Oct.29,1952. 99.8 AL52

Seeding and Planting

14426 ADRIANOV, S. N. Organizing forest planting work on Gigant Grain State Farm. (In Russian.) Lesn. Khoz. 5(3):18-21. Mar.1952. 99.8 L5622

14427 ANDERSSON, E., and JANSSON, B. O. Field grafting of conifers at Brunsberg, Fiskeby, Hällefors and Uddeholm. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 50:231-248. Ref. 1952. 99.8 Sk5

14428 ARBUZOV, I. N. Operation of SLCH-1 tree planting machine. (In Russian.) Lesn. Khoz. 5(3):71-72. Mar.1952. 99.8 L5622

14429 BABBITT, D. M. Hunterdon County uses tree planter with outstanding results. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 3:4-5. Oct.15,1951. 99.9 N422

14430 BASHKIROV, N. A. Sowing pine in spots under the protection of the removed sod. (In Russian.) Lesn. Khoz. 5(4):31. Apr.1952. 99.8 L5622

14431 BEREZOVSKII, N. I. Forest shelterbelt plantations on sovkhozes of the Rostov Territory. (In Russian.) Les i Step' 4:50-55. Apr.1952. 99.8 L565

14432 BIRIUKOVA, N. Improvement of devices for nest planting of oak. (In Russian.) Les i Step' 3:34. Mar. 1952. 99.8 L565

14433 BODROV, V. A. Growing oak with fast-growing species. (In Russian.) Lesn. Khoz. 5(4):4-7. Apr. 1952. 99.8 L5622

14434 BOROZDIN, V. S. Experiments in 3-hole planting of acorns. (In Russian.) Les i Step' 4(7):62-63. July 1952. 99.8 L565

14435 BURTSEV, A. Growing seedlings in [forest] nurseries with hard soils. (In Russian.) Lesn. Khoz. 5 (5):94. May 1952. 99.8 L5622

14436 CHECHKO, F. E. Growing pine seedlings densely sown and fertilized. (In Russian.) Les i Step' 4(7):60-61. July 1952. 99.8 L565

14437 CROSSLEY, D. I. White spruce [Picea glauca] reproduction resulting from various methods of forest soil scarification. Canada. Forest Res. Div. Silvicult. Res. Note 102,18 p. 1952. 99.9 C16Re

14438 DINGLE, R. W. Survival and growth of forest plantations in Missouri. J. Forestry 50:845-849. Nov. 1952. 99.8 F768

14439 DMITRIEV, I. A. Cooperation between two brigades. (In Russian.) Les i Step' 4:56-58. Apr.1952. 99.8 L565
Planting windbreaks with tractors.

14440 DOTSENKO, A. P. Economic effect of wide-row planting in [forest] nurseries. (In Russian.) Lesn. Khoz. 5(2):91-94. Feb.1952. 99.8 L5622

14441 DRAZHEVSKII, A. G. We shall make each planted tree grow. (In Russian.) Lesn. Khoz. 5(5):89-90. May 1952. 99.8 L5622

14442 EDLIN, H. L. Timber. III. Farmers Wk. [London] 37(21):69. Nov.21,1952. 10 F2226
Planting trees on the farm.

14443 ENGSTROM, W. H. 1952 cone crop survey report. Oreg. State Bd. Forestry. Res. Note 7,6 p. Aug. 1952. 99.9 Or32R

14444 FLOROVSKII, A. M. Peat nest planting of pine in the sands of the lower Drepr. (In Russian.) Les i Step' 3:64-65. Mar.1952. 99.8 L565

14445 GERHARD, H. Hundert jahre heideaufforstung in Schleswig-Holstein. Forst u. Holz 7:269-272. Oct.1, 1952. 99.8 F7724

14446 GINNASI, G. The cypress on the Imolese Pliocene. (In Italian.) Monti e Boschi 3:413-419. Sept. 1952. 16 M76
English summary.
Planting and use as windbreaks.

14447 GOLUBINSKII, S. S. Creation of forest belts by nest planting of black locusts [Robinia pseudoacacia] and honey locusts [Gleditsia triacanthos]. (In Russian.) Les i Step' 5:69-71. May 1952. 99.8 L565

14448 GOLUBINSKII, S. S. Growing poplars from seeds. (In Russian.) Les i Step' 3:54-56. Mar.1952. 99.8 L565

14449 GORDEEV, A. V. Introduction of highly resiniferous pine varieties upon sands. (In Russian.) Les i Step' 4(7):18-26. July 1952. 99.8 L565

14450 GRIAZNOV, A. N. Growing shelterbelts by the group method. (In Russian.) Lesn. Khoz. 5(4):25-26. Apr.1952. 99.8 L5622

14451 GUDTSEV, I. I., and ROMANOV, D. V. Preplanting treatment of ordinary pine seeds by the vernalization method. (In Russian.) Lesn. Khoz. 5(5):73. May 1952. 99.8 L5622

14452 GUNSTON, D. To-day's seeds are tomorrow's timber; the success of our afforestation schemes depends on the quality of the seeds from which the trees are grown. Co-op. Home Mag. 57(10):2. Oct. 1952. 280.28 W563
Collecting of tree seeds.

14453 GUTTENBERG, S. Sweetgum [Liquidambar styrciflua] seed is overrated flier. J. Forestry 50:844. Nov.1952. 99.8 F768

14454 HAGG, K. E. Om plantdistributionen inom Kristianstads län. [Plant distribution in Kristianstad Province]. Sweden. Skogsstyr. Från Skogsvardsstyr. Arbfält. 1,13 p. 1952. 99.9 Sw3F
Forest seedlings.

14455 HARADA, Y., and YANAGISAWA, T. A long-time storage of tree-seed in northern Japan. (In Japanese.) Hokkaido Forestry Expt. Sta. Sapporo Br. Rpt. 71: 47-68. July 1952. 99.9 H683
English summary.

14456 HARADA, Y., and YANAGISAWA, T. Study on the environment of the forest after the fires and its method of afforestation. (In Japanese.) Hokkaido Forestry Expt. Sta. Sapporo Br. B. 20,150 p. Ref. Oct. 1951. 99.9 H683B
English summary.

14457 HARADA, Y., and YANAGISAWA, T. Turnout of seed storing experiments for some trees. (In Japanese.) Hokkaido Forestry Expt. Sta. Sapporo Br. Rpt. 71: 26-46. July 1952. 99.9 H683
English summary.

14458 HARADA, Y., and YANAGISAWA, T. Universal seed-selector by motor. (In Japanese.) Hokkaido Forestry Expt. Sta. Sapporo Br. Rpt. 71:1-25. July 1952. 99.9 H683
English summary.

14459 HOUGH, A. F. Preliminary results of red pine [Pinus resinosa] seed source, seed weight, seedling weight, and height growth in Kane Test Plantation. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 50,14 p. Ref. Aug.1952. 1.9622 N2St22

14460 HOUGH, A. F. Preliminary results of red pine [Pinus resinosa] seed-source tests in northwestern Pennsylvania. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 49,28 p. Ref. Aug.1952. 1.9622 N2St22

14461 IAKOVLEV, N. IA. Experiment in dense planting [of conifers] on fresh clearings. (In Russian.) Lesn. Khoz. 5(5):40-42. May 1952. 99.8 L5622

14462 IL'IASHEVICH, I. N. Importance of tree and fruit nurseries at inhabited localities in the sparsely-wooded districts. (In Russian.) Lesn. Khoz. 5(2):33-35. Feb.1952. 99.8 L5622

14463 IURRE, N. A. To prevent the natural thinning of seedlings in the group plantings of oak. (In Russian.) Lesn. Khoz. 5(5):36-37. May 1952. 99.8 L5622
Chiefly on acorn quality and method of planting.

14464 IUSHKEVICH, N. I. We strive for complete acclimatization of plants. (In Russian.) Les i Step' 4(1): 76. Jan.1952. 99.8 L565

14465 IVASYSHIN, S. N., and IUNNIKOVA, M. N. Forest planting under the arid conditions of the Volga Region. (In Russian.) Les i Step' 4(1):64-68. Jan.1952. 99.8 L565
Windbreaks.

14466 JOHNSSON, H. Einige fragestellungen der forstlichen nachkommenschaftsprüfung. Z. f. Forstgenet. u. Forstpflanzenzücht. 2:2-8. Ref. 1952. 99.8 Z36
English summary.

14467 KARPOV, V. I. Proper nest planting of oak. (In Russian.) Les i Step' 2:81-83. Feb.1952. 99.8 L565

14468 KARVETSKII, V. V. Care of shelterbelt plantations. (In Russian.) Les i Step' 5:87-89. May 1952. 99.8 L565

14469 KHARLAMOV, G. I. Mechanization of the processes of stocking up and treatment of forest seeds. (In Russian.) Lesn. Khoz. 5(3):42-43. Mar.1952. 99.8 L5622

14470 KHOLODNYI, N. G., and ANTONOV, N. M. Planting pine in shady hollows. (In Russian.) Les i Step' 2:88-91. Feb.1952. 99.8 L565

14471 KLAEHN, F. U. Zur kreuzungsfähigkeit einiger birkenarten und der möglichkeit ihres anbaues. Allg. Forstz. 7:448-450. Oct.29,1952. 99.8 AL52

14472 KLOPOV, A. A. Accelerated stratification of tree and shrub seeds. (In Russian.) Lesn. Khoz. 5(2):85. Feb.1952. 99.8 L5622

14473 KOCHKAR', N. T. Preparing poplar cuttings in the winter. (In Russian.) Les i Step' 2:93-94. Feb. 1952. 99.8 L565

14474 KOEHLER, W. Erfahrungen mit dem Bungartz-pflanzlochbohrer im Forstamt Rosengarten. Forst u. Holz 7:253-255. Sept.16,1952. 99.8 F7724

14475 KOKHNENKO, G., and KISLENKO, I. For an annual procurement of stable yields of acorns. (In Russian.) Lesn. Khoz. 5(5):69-70. May 1952. 99.8 L5622

14476 KOLESNICHENKO, M. V., and POLONETSKII, S. D. Condition of oaks planted by a mechanized nest method. (In Russian.) Les i Step' 2:40-44. Feb.1952. 99.8 L565

14477 KOLESNIK, F. I. Exponents of experiments with planting machines in nest planting of oak. (In Russian.) Les i Step' 3:31-33. Mar.1952. 99.8 L565

14478 KORUNOV, I. I. Summer plantings of pine in the small nurseries of the forestry enterprises. (In Russian.) Lesn. Khoz. 5(5):71-72. May 1952. 99.8 L5622

14479 KRONSKOGO, E. Overhead climbers—gatherer of [pine] cones. (In Russian.) Les i Step' 3:52. Mar. 1952. 99.8 L565

14480 KUTLOEV, ÎÛ. S. Nine hundred thousand mulberry tree seedlings per hectare. (In Russian.) Les i Step' 3:69. Mar.1952. 99.8 L565

14481 LEONT'EV, A. A. Inventory of trees [growing] in sands. (In Russian.) Les i Step' 4:33-35. Apr.1952. 99.8 L565

14482 LINFORD, A. B. State association runs own nursery. Soil Conserv. 18:75-77. Nov.1952. 1.6 So3S
Tree planting operations of the State Association of Soil Conservation Districts, North Dakota.

14483 LISIN, S. S. Processing seeds and growing plantation stock for the creation of shelterbelts. (In Russian.) Les i Step' 2:98-104. Feb.1952. 99.8 L565

14484 LITTLE, S., and MOORE, E. B. Mechanical preparation of seedbeds for converting oak-pine stands to pine. J. Forestry 50:840-844. Nov.1952. 99.8 F768

14485 LÎÛBAVSKAÍA, A. ÎA. Influence of self-pollination and cross pollination upon the planting qualities of birch seeds. (In Russian.) Les i Step' 4(7):27-34. July 1952. 99.8 L565

14486 LOZOVOÏ, A. A. Growing oak in the State tree belt: Vishnevaîa Mountain-Caspian Sea. (In Russian.) Lesn. Khoz. 5(5):13-18. May 1952. 99.8 L5622

14487 MELZER, E. Diskussionsbeitrag zur gruppenmethode (speziell für fichte). Wald 2:313-315. Oct.1952. 99.8 W143

14488 MINCKLER, L. S. What do foresters hope to accomplish in forest genetics? J. Forestry 50:871-872. Nov.1952. 99.8 F768

14489 MININ, D. Procurement and storage of acorns. (In Russian.) Kolkhoz. Proizvodstvo 12(9):28-29. Sept.1952. 281.8 K83

14490 MISHKOV, F. F., and TREGUBOV, G. A. Regeneration of Amur velvet tree [Gynura] by injuring the roots. (In Russian.) Lesn. Khoz. 5(5):56-58. May 1952. 99.8 L5622

14491 MITSCHERLICH, G., and WEIHE, J. Untersuchungen an tannenjungwüchsen. Allg. Forst- u. Jagdztg. 124:33-39. Nov.15,1952. 99.8 AL3

14492 MOLCHADSKII, S. R. Nest planting of oak under the cover of high-stalked plants. (In Russian.) Les i Step' 2:76-80. Feb.1952. 99.8 L565
Corn and sunflower.

14493 MOSKALEV, N. A., and PLETNEV, A. V. Sowing [seeds] of green ash beneath flood waters [on snow]. (In Russian.) Les i Step' 3:67. Mar.1952. 99.8 L565

14494 MUHAMED, V. Fertility of seeds of 17-year old cultures on Trebevic Mountain. (In Serbo-Croatian.) Narod. Šumar 6:154-156. May/June 1952. 99.8 N16
Abies.

14495 MUSHEGÎAN, A. M. Nest planting of oak in southern Kazakhstan. (In Russian.) Les i Step' 4(1):69-70. Jan.1952. 99.8 L565

14496 NAUMENKO, I. M. Nest planting of oak. (In Russian.) Les i Step' 3:15-20. Mar.1952. 99.8 L565

14497 NERINCX, E. A propos d'une plantation de peupliers a l'aide d'explosifs. Soc. Roy. Forest. de Belg B. 59:400-404. Aug./Sept.1952. 99.9 B83

14498 NIER. Historique et avenir des reboisements dans le Département de la Loire. Rev. Forest. Franç. 11:714-727. Nov.1952. 99.8 R329

14499 NIKULIN, I. A. Cover crops in nest planting. (In Russian.) Les i Step' 3:11-14. Mar.1952. 99.8 L565
Windbreaks.

14500 NORDSTROM, L. The seed problem in Norrland's hills. (In Swedish.) (Sum.) Skogen [Stockholm] 39:108* Oct.15,1952. 99.8 Sk51
Pines.

14501 OLIVE, C. L., JR., and UMLAND, C. B. Cost accounting in TVA forest nurseries. J. Forestry 50:831-833. Nov.1952. 99.8 F768

14502 OL'SHANSKII, M. A. Three year experiments in growing oak by the nest method. (In Russian.) Les i Step' 2:30-39. Feb.1952. 99.8 L565

14503 ON, D. 2,3,5-triphenyl tetrazolium chloride as a viability indicator of certain coniferous seeds. (Abs.) J. Forestry 50:868. Nov.1952. 99.8 F768

14504 PARRY, M. S. The softwood plantations of the East Transvaal and Swaziland. East African Agr. J. 17: 188-200. Apr.1952. 24 Ea74
Reforestation.

14505 POND, J. D. The "TreeP" for Christmas trees. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 5:11-12. Sept.15,1952. 99.9 N422
Tree planting machine.

14506 PRIOL, J. On the results of our experiments with slips. (In Slovenian.) Sadjarstvo Vinarstvo Vrtnarstvo 4:98-100. Apr.1952. 21.5 Sa1
Dealing chiefly with poplars.

14507 RASTORGUEV, L. I. Acceleration of the growth of oak. (In Russian.) Les i Step' 4(1):81-83. Jan.1952. 99.8 L565

14508 ROHMEDER, M., and DIMPFLMEIER, R. Larix decidua Mill. x Laris gmelini Pilg., ein in grafrath mehrfach natürlich entstandener luxurierender bastard. Z. f. Forstgenet. u. Forstpflanzenzücht. 2:16-19. 1952. 99.8 Z36

14509 ROISIN, P. La reforestation d'un sart en Ardenne. Soc. Roy. Forest. de Belg. B. 59:353-399. Aug./Sept.1952. 99.9 B83

14510 RUBTSOV, A. M. Valuable experiments of a leading forest nursery. (In Russian.) Les i Step' 2:83-87. Feb.1952. 99.8 L565

14511 SAKHAROV, I. Transplanting seedlings of tree and shrub species. (In Russian.) Lesn. Khoz. 5(4):91-92. Apr.1952. 99.8 L5622

14512 SCHUBERT, C. H. Germination of various coniferous seeds after cold storage. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Notes 83, 7 p. July 16,1952. 1.9 F7626R

14513 SHITKO, A. E. Experience of the Georgievsk tree nurseries. (In Russian.) Les i Step' 3:57-58. Mar. 1952. 99.8 L565

14514 SIBIRÎAKOVA, M. D. Causes for good regeneration in the pine-heather forests. (In Russian.) Lesn. Khoz. 5(2):96. Feb.1952. 99.8 L5622

14515 SLÍÛSAREV, M. G. Outflow of acorns from the openings [of planting machine]. (In Russian.) Lesn. Khoz. 5(3):79-81. Mar.1952. 99.8 L5622

14516 STARCHENKO, I. I. Geographic crops of pine at Kazan Forestry Enterprise. (In Russian.) Lesn. Khoz. 5(5):43-44. May 1952. 99.8 L5622
Pine grown from seeds received from various districts of the country.

14517 TOROPOGRITSKII, D. P. Oak nest plantings on a northern steppe. (In Russian.) Les i Step' 2:70-75. Feb.1952. 99.8 L565
Use of cover crops.

14518 TRAVEN', F. I., and DUBININ, P. S. Growing oak in a steppe under the shelter of a snow-gathering screen of fast growing tree species. (In Russian.) Les i Step' 4:17-27. Apr.1952. 99.8 L565

14519 TRAVEN', F. I. Methods of growing oak in the steppe districts of the South East [U.S.S.R.]. (In Russian.) Lesn. Khoz. 5(5):4-12. May 1952. 99.8 L5622

14520 VASIL'EVA, P., and ZHELEZNOV, G. Problems of developing forests in the light of P. A. Kostychev's theory. (In Russian.) Les i Step' 3:70-73. Mar.1952. 99.8 L565

14521 VEIGA, A. DE A. Reforestation of soils unsuited to the cultivation of annual plants. (In Portuguese.) Soc. Rur. Bras. Rev. 32(380):60. Sept.1952. 9.2 B733

14522 VEKHOV, N. K. Method for laying out mother tree plantations. (In Russian.) Les i Step' 4(1):7-15. Jan.1952. 99.8 L565

14523 VERBITSKIĬ, A. IA. Effect of menilite slate on the development of oak seedlings. (In Russian.) Lesn. Khoz. 5(5):42. May 1952. 99.8 L5622

14524 VET, E. I. Oak planting with acorns treated with AB preparations and granosan. (In Russian.) Lesn. Khoz. 5(4):89-90. Apr.1952. 99.8 L5622

14525 WAGEMANN WIDENBRUG, G. Memorandum sobre regeneracion natural de las montañas chilenas. Rev. Forest. Chilena 2:44-45. June/July 1952. 99.8 R3292

14526 WAITE, D. The coppice forest. Va. Forests 7(5):8-9. Sept./Oct.1952. 99.8 V81

14527 YOUNGBERG, C. T. Effect of soil fertility on the physical and chemical properties of tree seed. J. Forestry 50:850-852. Ref. Nov.1952. 99.8 F768

14528 ZHURBIN, A. I. Breeding new hybrid poplars. (In Ukrainian.) Akad. Nauk Ukrain. RSR. Inst. Lisivnytstva. Pratsi 2:174-179. 1951. 99.9 K54
Russian summary.

14529 ZOTOV, V. V. Nest planting of oak on kolkhozes of the Penza Region. (In Russian.) Les i Step' 4(7):55-59. July 1952. 99.8 L565

Forest Protection and Damage

14530 BEAL, J. A. Role of the States and private timber owners in cooperative forest pest control. J. Forestry 50:859-861. Nov.1952. 99.8 F768

14531 DIE BEKAMPFUNG der elementaren waldschäden. Osterr. Forst- u. Holzwirt. 7:274-275. July 21, 1952. 99.81 Os7

14532 BLOWDOWN and beetle killed timber reaching magnitude of Tillamook burn kill. Lumberman 79(11):85-86. Nov.1952. 99.81 W52

14533 BOOTH, C. E. Christmas vandalism in our forests. Nat. Mag. 45:538-539. Dec.1952. 409.6 N214

14534 DINESMAN, L. G. On problems of zoological investigations of vertebrates in the clayey semideserts of Zavolzh'e in connection with shelterbelt silviculture. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(1):3-9. Ref. 1952. 511 M85

14535 FLEROV, S. K. Forest protection—a new branch of knowledge in forestry. (In Russian.) Lesn. Khoz. 5(5):75-76. May 1952. 99.8 L5622

14536 GARCIA DIAZ, E. La riqueza forestal y la ganaderia. Montes 8:235-239. July/Aug.1952. 99.8 M763

14537 JUUTINEN, P. On damages in spruce seed crops caused by squirrels in Finland. (In Finnish.) Metsätaloudellinen Aikakauslehti 8:219-221. 1952. 99.9 F49

14538 KOEGEL, L. Waldkatastrophen. Orion 7:757-762. Oct.1952. 474 Or4

14539 LEITENBERGER, L. Rauchschäden - eine gefahr für die forstwirtschaft. Osterr. Forst- u. Holzwirt. 7:156-157. Apr.21,1952. 99.81 Os7

14540 LIUBARSKIĬ, L. V. Silvicultural importance of excrescences on branches of ordinary pine. (In Russian.) Lesn. Khoz. 5(2):78-79. Feb.1952. 99.8 L5622
Caused by Cronartium quercus and Peridermium.

14541 LUNDBERG, J. Effect of the 1947 injuries on the growth of the Douglasfir. (In Danish.) Dansk Skovfor. Tidsskr. 37:467-472. Sept.1952. 99.8 D23
Frost and sooty mold due to Phaeocryptus gäumanni.

14542 MARTIN, F. Le problème forestier dans nos territoires de la France d'Outre-Mer. Rev. Internatl. des Prod. Colon. 27:157-159. Aug./Sept.1952. 286.8 R326
Problem of conservation.

14543 PRIAULX, A. W. Hunter's paradise imperiled. Amer. Forests 58(11):6-9. Nov.1952. 99.8 F762
Damage to forests by hunters.

14544 RAZOUS, P. La production en sylviculture en exploitation forestière et dans les industries du bois. Bois et Scieries 58:999-1001. (Cont.) Oct.2,1952. 99.81 B632
Deals mainly with protection against fire, fungus diseases and insects.

14545 SIBILIA, C. Conséquences pour nos bois de la sécheresse persistante pendant les dix dernières années. (In Italian.) Italia Forest. e Mont. 7:161-167. July/Aug.1952. 99.8 It12
French summary.

14546 SOLOV'EV, K. P., and PROZUMENSHCHIKOVA, L. T. Safeguarding the pine belt of the Zavitin sovkhoz. (In Russian.) Les i Step' 4(7):87-88. July 19[illegible] 99.8 L565

14547 SOTTER, K. Snow injuries in the Hälsinge forests. (In Swedish.) Tidskr. f. Hushsällsk. och Skoogsvårdsstyr. i Gävleborgs Län 27:131-132. 1951. 11 T434

14548 TIRABOSCHI, G. Observations and practical notes on attacks of pests on trees. (In Italian.) Italia Forest. e Mont. 7:208-211. July/Aug.1952. 99.8 It12
Rodents, fungi and insects.

Fire

14549 AMERICAN FOREST PRODUCTS INDUSTRIES. The effectiveness of forest protection, 1952 edition. Lake States Timber Digest 6(12),8 p. Oct.1952. 99.81 L14
Fire statistics.

14550 BROWN, A. A. Mainstays of forest fire protection. Fire Control Notes 13(4):29-34. Oct.1952. 1 F766Fi

14551 COBB, S. S. An answer to forest fire prevention and control in anthracite coal fields. J. Forestry 50: 834-837. Nov.1952. 99.8 F768

14552 DEMOTTE, E. L. Well-equipped association gives fire protection to its members. Miss. Val. Lumberman 84(12):8. Nov.7,1952. 99.81 M69
Central Fire Control Association, Mississippi.
Similar title in South. Lumberman 185(2319):43. Nov.15, 1952. 99.81 So82

14553 DEYOUNG, J. S. Our flaming forests. Outdoor Ind. 19(10):2,17. Oct.1952. 279.8 Ou82
Control.

14554 DONOHOE, J. F. Class in the outdoors. Fire Control Notes 13(4):5-8. Oct.1952. 1 F766Fi
Fire prevention.

14555 EGER, B. A. Fire control, wildlife and cooperation. Va. Wildlife 13(11):10-11. Nov.1952. 410 V81

14556 ERSHOV, I. A. Fire-fighting roadside [tree] belts. (In Russian.) Lesn. Khoz. 5(5):84. May 1952. 99.8 L5622

14557 FEDRUNOV, V. Study of speed of forest fire spreading. (In Russian.) Lesn. Khoz. 5(4):66-67. Apr. 1952. 99.8 L5622

14558 FRANKLIN, R. C. Remote-controlled radio network and fire communication equipment. Fire Control Notes 13(4):12-16. Oct.1952. 1 F766Fi

14559 GARCIA ESCUDERO, P. El seguro de incendios en los montes. Montes 8:329-336. (Cont.) Sept./Oct.1952. 99.8 M763

14560 GENNBURG, O. Der wald brennt! Unser Wald 5(9):11,14. Sept.1952. 99.8 Un7

14561 GRITSENKO, M. V., and GAVRILOVA, V. M. Origin of forest fires in connection with weather conditions. (In Russian.) Lesn. Khoz. 5(4):64-65. Apr.1952. 99.8 L5622

14562 LATHAM, B. Fighting forest fires. Timber Trades J. 203:1306-1308. Nov.22,1952. 99.81 T48
Smoke jumpers.

14563 LUITEN, I. H. Power-saw motor drives portable fire pump. Fire Control Notes 13(4):9-11. Oct.1952. 1 F766Fi

14564 RANDALL, A. G. Maine foresters put fire protection on stage. Fire Control Notes 13(4):18-19. Oct.1952. 1 F766Fi

14565 SEIDEL, W. J. Fire protection for the Christmas tree crop. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 5:7,11. Sept.15,1952. 99.9 N422

14566 SMITH, J. M. Smokey the bear. Fire Control Notes 13(4):1-4. Oct.1952. 1 F766Fi
Forest fire prevention programs.

14567 SOUTHERN PULPWOOD CONSERVATION ASSOCIATION. Forest fires your loss. Atlanta,1951? 12 p. 99.51 So8F

14568 TORTORELLI, L. A. Los incendios de bosques. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:377-378. 1951/52. 9 Ag874

14569 U. S. FOREST SERV. ARCADIA EQUIPMENT DEVELOPMENT CENTER. Tanker sprinkler bar. Fire Control Notes 13(4):24-25. Oct.1952. 1 F766Fi

14570 WEBSTER, L. T., and FRASER, D. L. Slip-on pumper units for forest fire suppression in the Douglas-fir region. Fire Control Notes 13(4):20-23. Oct.1952. 1 F766Fi

14571 WOOD, W. C. Para-cargo nets. Fire Control Notes 13(4):26-28. Oct.1952. 1 F766Fi

14572 WOOD, W. C. Wind and drift indicator. Fire Control Notes 13(4):17. Oct.1952. 1 F766Fi
For use on helicopter missions.

Forest Influences

14573 BIRIUKOV, N. M. Afforestation of sands in the Cherkassy Region. (In Russian.) Les i Step' 4:66-69. Apr.1952. 99.8 L565
Soil conservation.

14574 BRAUDE, I. D. Placing forest belt plantations in eroded regions of the Central forest-steppeland. (In Russian.) Les i Step' 4(1):29-36. Jan.1952. 99.8 L565
Windbreaks.

14575 BURNATSKII, D. P., and others. Influence of forest belts upon microclimate. (In Russian.) Les i Step' 4(1):15-24. Jan.1952. 99.8 L565
I. K. Vinokurova, M. A. Kaganov, A. D. Rozhanskaia, and A. F. Chudnovskii, joint authors.

14576 CHATURVEDI, M. D. The Rajputana desert, a scheme for its immobilization. Indian Forester 78:486-489. Oct.1952. 99.8 In2

14577 CHUMAK, I. V., and KOLYVANOV, S. E. Attacking the sands. (In Russian.) Les i Step' 4(1):77-80. Jan.1952. 99.8 L565
Windbreaks.

14578 CITTADINI, J. C. Cercos en el territorio de Santa Cruz. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:305-309. 1951/52. 9 Ag874

14579 DERIABIN, D. I. Distribution of winter precipitation and accumulation of moisture reserve in the forest and field. (In Russian.) Lesn. Khoz. 5(2):62-65. Feb.1952. 99.8 L5622
Forest influences.

14580 FREUDING, O. Windschutzanlagen im walde. Allg. Forstz. 7:481-483. Ref. Nov.19,1952. 99.8 AL52

14581 GORCHAKOVSKII, P. L. Water and soil protective importance of the high-mountain forest of the Urals. (In Russian.) Lesn. Khoz. 5(4):18-21. Apr.1952. 99.8 L5622

14582 HAAKH, T. Wald und wild. Pirsch 4:669-672. Oct.11,1952. 410 P66

14583 HACHENBERG, F. Zu: "Der einfluss des waldes auf die wasserwirtschaft des landes." Forst u. Holz 7:299-300. Nov.1,1952. 99.8 F7724

14584 HARADA, T. Effects of the windbreak in a field. II. (In Japanese.) Kyushu Noji Shikenjo 9:103-104. Mar.1952. 107.6 K996

14585 IVIN, I. A. Influence of shelterbelts on crops. (In Russian.) Les i Step' 5:42-46. May 1952. 99.8 L565
Windbreaks chiefly for wheat.

14586 LOGGINOV, B. I. Protective forestation of irrigated lands in the area of the South-Ukrainian Canal. (In Russian.) Lesn. Khoz. 5(4):7-12. Apr.1952. 99.8 L5622

14587 MESSINES, J. Sand-dune fixation and afforestation in Libya. Unasylva 6:50-58. June 1952. 99.8 Un1

14588 SENKEVICH, A. A., and MOGILKO, N. V. On the river bed-forming role of shelterbelt plantations. (In Russian.) Lesn. Khoz. 5(5):19-23. May 1952. 99.8 L5622

14589 SUKHAREV, I. P. Shelterbelts around ponds and reservoirs. (In Russian.) Gidrotekh. i Melior. 4(6):3-9. June 1952. 290.8 G362
Chiefly effect on evaporation.

14590 SUMAROKOV, V. S. Influence of forest belts upon snow melting and surface drainage. (In Russian.) Les i Step' 4(1):36-38. Jan.1952. 99.8 L565
Windbreaks.

14591 WITTICH, W. Der einfluss des waldes auf die wasserwirtschaft des landes. Allg. Forstz. 7:433-438. Oct.22,1952. 99.8 AL52

14592 WITZGALL, L. Der einfluss des waldes auf die wasserwirtschaft des landes. Forst u. Holz 7:298-299. Nov.1,1952. 99.8 F7724

Miscellaneous Forest Uses

14593 BRENNER, B. Land grabbers in national forests. Nation's Agr. 27(11):14-15. Dec.1952. 280.82 B89
Acquisition of forest land under the mining law.

14594 CREIGHTON, G. W. I. Forests and wild life. Timber Canada 13(3):31,37. Nov.1952. 99.81 T487

14595 GLADKOV, N. A. Animal world of the area of shelterbelt silviculture. (In Russian.) Priroda 41(8):24-30. Aug.1952. 410 P933

14596 JULANDER, O. Forage habits of mule deer during the late fall as measured by stomach content analyses. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Note 2,5 p. Mar.1952. 1.9622 I2R312

14597 MARININ, D. N. Experiment in developing landscape forest-park crops. (In Russian.) Lesn. Khoz. 5(5):66-68. May 1952. 99.8 L5622

14598 PARKER, K. W. New trends in standards of range use. J. Forestry 50:856-859. Ref. Nov.1952. 99.8 F768

14599 RAI, L. Management and improvement of forest grazing in the Madhya Pradesh. Indian Forester 78:431-439. Sept.1952. 99.8 In2

14600 U. S. FOREST SERV. Number of visits to the national forests for utilization of the recreation resources calendar year 1924 to present. Washington? 1952. 2 p. 1.962 A2N91

FOREST INDUSTRIES AND TRADE

14601 AMUNDSEN, O. D. French and English lumber purchasers in 1856. (In Norwegian.) Skogeieren 39:132-133. Sept.15,1952. 99.81 Sk5
Lumber trade in Norway.

14602 EUTING, H. H. Marktpreis—weltmarktpreis. Holz 6:209-211. Sept.1952. 99.82 H743

14603 HEINRICHS, W. Im norden bessere holzverkäufe zu höheren preisen. Internatl. Holzmarkt 43(19):3-4. Sept.20,1952. 99.81 In82

14604 HELM, G. Die kanadischen wälder und ihre wirtschaftliche bedeutung. Osterr. Forst- u. Holzwirt. 7:239-240. June 21,1952. 99.81 Os7

14605 HOLZVERSORGUNG 1952 ausgeglichen das Holzkomitee über die entwicklung des marktes. Osterr. Forst- u. Holzwirt. 7:237-239. June 21,1952. 99.81 Os7

14606 KLOSE. Die holzmarktlage in Nordrhein-Westfalen an der wende zum neuen forstwirtschaftsjahr. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1915-1916, 1921. (Cont.) Nov.20,1952. 18 L2346

14607 NEW HAMPSHIRE FORESTRY AND RECREATION COMMISSION. Directory of sawmills and other primary wood-using industries of New Hampshire. n.p.,1952. 19 p. 99.9 N45W

14608 NEWMAN, G. A. The market for hardwoods. Foreign Trade 12(305):21-22. Nov.1,1952. 286.8 C162
United States market for Canadian product.

14609 PALOSUO, V. J. Timber markets in September. (In Finnish.) Metsätaloudellinen Aikakauslehti 9: 231-232. 1952. 99.9 F49
English summary.

14610 SCHEIDEL. Erleichterung des aussenhandels! Osterr. Forst- u. Holzwirt. 7:210-211. June 7,1952. 99.81 Os7
Lumber trade.

14611 SIMPSON, H. V. This is a growing country. Miss. Val. Lumberman 84(14):6,30. Nov.21,1952. 99.81 M69

14612 STAFFELBACH, E. Un marché libre mais ordonné. Forêt 6:11-13. Oct.1952. 99.8 F7683

14613 UNITED AFRICA CO. Timber in West Africa. United Africa Co. Statis. & Econ. Rev. 10:1-61. Sept. 1952. 280.9 Un372
Forest industries.

14614 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on logging, manufacture, and utilization of timber, lumber, and other wood products. U. S. Forest Serv. Forest Prod. Lab. Rpt. R790,22 p. Oct.1952. 1.9 F761R

14615 URRAGG, F. Osterreich und der englische weichholzmarkt. Osterr. Forst- u. Holzwirt. 7:83-84. Mar.7,1952. 99.81 Os7

14616 WAGEMANN W., G. Produccion y comercio mundial de maderas aserradas y rollizas. Rev. Forest. Chilena 2:98-102. Aug.1952. 99.8 R3292

14617 WEISS. Aus der offiziellen holzstatistik, 1951. Osterr. Forst- u. Holzwirt. 7:122-123. Mar.21,1952. 99.81 Os7

Lumbering

14618 APPELBE, F. Log marks, hammertracks of history. Brit. Columbia Lumberman 36(11):44-45,97. Nov.1952. 99.81 B77

14619 BARRAMEDA, D. M. Logs into lumber. Agr. & Indus. Life 14(9):6-7,50-51. Sept.1952. 25 Ag8
The industry in the Philippines.

14620 BOONE, A. R. Harvesting the world's biggest crop; selective cutting, tree farms and new processing methods add up to a constant supply of redwood. Pop. Sci. Mon. 161(6):127-130. Dec.1952. 470 P81

14621 CROWE, W. S. Historical notes on Michigan's timber industry. Timber Prod. B. 114:8-9; 115:14-15. (Cont.) Sept.-Oct.1952. 99.9 T482B

14622 EVEREST, D. C. Reappraisal of the lumber barons. Timber Prod. B. 114:28-29; 115:28-29. Sept.-Oct.1952. 99.9 T482B

14623 HEYDER. Sorten- oder mittelstammtarif bei den stücklöhnen? Allg. Forstz. 7:438-439. Oct.22,1952. 99.8 AL52

14624 LAKHTANOV, G. S., and others. Novyĭ metod povysheniĭa vykhoda delovoĭ drevesiny [New method of increasing the output of lumber]. Moskva,Goslesbumizdat,1951. 11 p. 99.76 L14
K. A. Volchek, A. M. Apanovich, and M. L. Gol'din, joint authors.

Lumbering Equipment

14625 BAAK, W. Prüfung der neuen und alten zahnformen im Institut für Forsttechnik in Neuroofen. Wald 2:297-300. (Cont.) Oct.1952. 99.8 W143

14626 ERIKSSON, H. Pulleys in lumber transportation. (In Swedish.) Skogen [Stockholm] 39:97*-98*. Sept.15,1952. 99.8 Sk51

14627 HANSEL, E. Der kerndorfer verladekran. Osterr. Forst- u. Holzwirt. 7:154-156. Apr.21,1952. 99.81 Os7

14628 HIAS, G. L'art du cabliste forestier. Rev. Forest. Franç. 11:759-772. Nov.1952. 99.8 R329

14629 KENNEL, H. Die randlückensäge. Allg. Forstz. 7:442. Oct.22,1952. 99.8 AL52

14630 MEYR, R. Das "mariabrunner seilgerät" ein wertvoller helfer bei der holzbringung im gebirge. Osterr. Forst- u. Holzwirt. 7:194-196. May 21,1952. 99.81 Os7
Hauling logs.

14631 PONCET, A. Les câbles pour le débardage par téléférique dans les forêts de montagne. Rev. du Bois 7(11):4-7. Nov.1952. 99.82 R32

14632 SOLLI, S. Modern Swedish horse equipment for transportation of logs. (In Norwegian.) Skogeieren 39:124-125. Sept.15,1952. 99.81 Sk5

Logging

14633 BITTERLICH, E. "Leerschlittenaufzug" ein weiterer schritt zur mechanisierung der holzlieferung im gebirge. Osterr. Forst- u. Holzwirt. 7:118-119. (Concl.) Mar.21,1952. 99.81 Os7

14634 CARR, G. J. Tree-length logging of pulpwood. Pulp & Paper Mag. Canada 53(12):136-138,140,142,144, 147,150. Nov.1952. 302.8 P96

14635 FILBERG, R. J. Salvage and forest management at Duncan Bay. Canada Lumberman 72(11):46-47, 58. Nov.1952. 99.81 C16

14636 GARUZOV, V. I. Potochnoe proizvodstvo v lesozagotovitel'nykh predpriiatiiakh [Continuous systems of production at the logging enterprises. Moskva,Goslesbumizdat,1951. 164 p. 99.76 G19

14637 GLASER, H. Die behandlung stehender bäume mit chemikalien zur leichteren entrindung und gewichtsverminderung. (Abs.) Holz 6:224-225. Sept.1952. 99.82 H743

14638 HACKL, W. Holzbringung auf steilstrecken. Osterr. Forst- u. Holzwirt. 7:67-68. Feb.21,1952. 99.81 Os7

14639 HEISKANEN, V. Some observations on mechanized loading of pulpwood in the United States. (In Finnish.) Metsätaloudellinen Aikakauslehti 9:239-241. 1952. 99.9 F49
English summary.

14640 LLOYD, A. H. A new mechanized portable cableway for getting timber from difficult sites. Austral. Timber J. 18:428,430. July 1952. 99.81 Au7

14641 MCCRAW, W. E. Build better logging roads and save. Austral. Timber J. 18:354,357-358. June 1952. 99.81 Au7

14642 MCCULLOCH, W. F. The "firstest" logger. Amer. Forests 58(11):10-11,32-34,36. Nov.1952. 99.8 F762

14643 MASANI, N. J. Forest booms. Indian Forester 78:514-532. Oct.1952. 99.8 In2

14644 NEFF, L. P. Logging damage to reproduction under swamp black spruce [Picea mariana]. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 381,2 p. Oct.1952. 1.9 F7625T

14645 NORDSTRÖM, T. Logging in Belgian Congo. (In Swedish.) Paperi ja Puu. B 34:352-356. Sept.15,1952. 302.8 P1991
English summary.

14646 RAMBO, L. M. Debarking, pro and con. South. Lumber J. 56(11):28,31-32,34,36. Nov.1952. 99.81 So8

14647 SOLLI, S. Logging in the public forests in North Sweden. (In Norwegian.) Skogeieren 39:130-132. Sept.15,1952. 99.81 Sk5
Chiefly on roads and housing.

14648 VAN CAMP, J. L. Conservation with a bang! Forest & Outdoors 48(11):11,21,28. Nov.1952. 99.8 C16
Wire skidding of pulpwood.

14649 WALLECZEK, F. Eine neue seilbahn für die forstwirtschaft. Internatl. Holzmarkt 43(19):13-14. Sept.20,1952. 99.81 In82

Sawmills

14650 GRANVIK, B. A., and LEVANTO, S. Investigations in regard to the sawing of certain sleeper assortments with field circular saws. (In Finnish.) Työtehoseura. Julkaisu. 64:43-86. 1952. 20 M11
Swedish summary,p. 88-89.

14651 HASSELT, W. Probleme der leistungsmessung und -entlohnung am vollgatter. Norddeut. Holzwirt. 6(40):4. (Concl.) Oct.1,1952. 99.82 N75

14652 HASSELT, W. Probleme der leistungsmessung und leistungsentlohnung am vollgatter. Norddeut. Holzwirt. 6(39):7. (Cont.) Sept.25,1952. 99.82 N75

14653 HENCH, M. The "up-and-down sawmill," an aid to the early development of Pennsylvania. Pa. Forests & Waters 4:106-107,118. Sept./Oct.1952. 99.8 P38

14654 HYLAND, J. The rudiments of sawmilling. 5. Timber News 60:498-499. Oct.1952. 99.81 T482
From the Denny log.

14655 HYLAND, J. The rudiments of sawmilling. 6. Timber News 60:549-551. Nov.1952. 99.81 T482
From The Denny log.

14656 HYLER, J. E. Sawmill carriages and auxiliaries. IV. South. Lumberman 185(2319):60-61,64. Nov.15,1952. 99.81 So82

14657 KRAMER-DRAUBERG, O. Schmale schnittfugen (die Biermann'sche gittersäge). Osterr. Forst- u. Holzwirt. 7:177-180,191-194. May 7-21,1952. 99.81 Os7

14658 MAKKONEN, A. Mechanical saws.IV. Comet saws. (In Finnish.) Teho 7/8:347-349. 1952. 20 T98
English summary.

14659 * SIMONSSON, A. Plans for the Austrian sawmill industry. Unasylva 6:70-72. June 1952. 99.8 Un1

Processing and Woodworking

14660 CANADIAN WOODWORKER. 1952 annual directory. Canad. Woodworker 52(10),172 p. Oct.1952. 99.82 C162

14661 DICKINSON, T. A. Vacuum-impregnation technique improves quality. Wood Working Digest 54: 129-130,132,134-135. Nov.1952. 99.82 W87

14662 DINGLINGER, E. Die verwendung von hartmetall beim bohren, oberfräsen und sägen von holz. Holz 6:212-213. (Cont.) Sept.1952. 99.82 H743

14663 HERBINE, S. C. Eye safety in woodworking. Wood Working Digest 54:137-138,140,142,144. Nov.1952. 99.82 W87

14664 KIVIMAA, E. Cutting force in woodworking. (In Finnish.) Paperi ja Puu. B 34:332-341. (Cont.) Sept.15,1952. 302.8 P1991

14665 MANKEVICH, L. A., and ABUKHOV, L. G. Rapid bending of wood on machines. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 1(3):26-27. June 1952. 99.82 D44

14666 SCHULZ, F. Holzbearbeitungsmaschinen auf der Technischen Messe Hannover 1952. Holz als Roh- u. Werkst. 10:311-319. Aug.1952. 99.81 H74

14667 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Partial list of publications for furniture manufacturers, woodworkers and teachers of wood shop practice. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1775,16 p. Aug.1952. 1.9 F761R

14668 VILLIERE, A. Nouvelles techniques pour le cintrage des bois. Rev. du Bois 7(11):15. Nov.1952. 99.82 R32

14669 WANGAARD, F. F. The steam-bending of beech. Beech Util. Ser. 3,26 p. Ref. Feb.1952. 99.79 N815

Seasoning, Conditioning and Finishing

14670 ANDERSSON, R. Heat economy in timber drying. (In Swedish.) Paperi ja Puu. B 34:319-332. Ref. Sept.15,1952. 302.8 P1991
English summary.

14671 BROWNE, F. L. Wood siding left to weather naturally. Architect. Rec. 112(5):197-199. Nov.1952. 296.8 Ar23

14672 GARDNER, R. H. Finishing wood, old and new. Utah. State Agr. Col. Ext. C. 171,29 p. June 1952. 275.29 Ut1

14673 HÄCKER, G. Holzbeizen; zusammensetzung, herstellung, wirkungsweise. Garmisch-Partenkirchen, Moser,1951. 24 p. (Fachliteratur- Ermittlungs- und Berichtsdienst für Industrie und Forschung. Archiv 794) 306 H112

14674 HODGE, R. E. How does it season? Timber News 60:535-537. Nov.1952. 99.81 T482

14675 PERSHANOV, N. A. A device for checking the drying process of wood at a distance. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 6:5-7. Sept.1952. 99.82 D44

14676 ROBERTSON, W. S. Synthetic resin finishes for furniture. Canad. Woodworker 52(11):48,50. Nov. 1952. 99.82 C162

14677 SELMANOVIĆ, A. Collection of yellow wood and its processing. (In Serbo-Croatian.) Narod. Šumar 6:143-147. May/June 1952. 99.8 N16

14678 STADLER, S. Einen grossen schritt weiter durch klima-spiral-zentrifugen! Holz 6:213-217. Sept 1952. 99.82 H743
Seasoning.

14679 STURANY, H. Trocknung im reinen heissdampf. Holz als Roh- u. Werkst. 10:358-362. Sept.1952 99.81 H74

14680 TIEMANN, H. D. The kiln-drying of lumber. 47. Recent developments in transportable kilns. South. Lumberman 185(2319):56,58. Nov.15,1952. 99.81 So82

Wood Preservation and Damage

14681 BAVENDAMM, W. Lentinus lepideus (Buxb.) Fr., pflanzliche holzschädlinge. Holz als Roh- u. Werkst. 10:337-338. Ref. Aug.1952. 99.81 H75

14682 BAVENDAMM, W., and BELLMANN, H. U-salze, holzschutzmittel. Holz als Roh- u. Werkst. 10: 375-378. Ref. Sept.1952. 99.81 H74

14683 BECKER, G. Untersuchungen über die schutzwirkung von pentachlorphenol gegen holzzerstörende insekten. Holz als Roh- u. Werkst. 10:341-352. Ref. Sept.1952. 99.81 H74

14684 CARR, D. R. The preservation of timber for light building construction. (Extr.) Austral. Timber J. 18:350,353. June 1952. 99.81 Au7

14685 DAHMS, W. G. Service life of treated and untreated fence posts on the Pringle Falls Experimental Forest. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Note 80,3 p. Sept.1952. 1.9 F7629Fr

14686 DAIMLER, K. Bemerkenswertes zum neuen holzschutzmittel-verzeichnis hinsichtlich der feuerschutzmittel. Holz 6:218-219. Sept.1952. 99.82 H743

14687 DOLGER, F. W. Individuelle tiefkonservierung von bau- und freilandhölzern. Holz 6:230-231. Sept. 1952. 99.82 H743

14688 GERLAND. Wie lassen sich wissenschaft und baupraxis auf dem gebiete des holzschutzes erfolgreich verbinden. (Abs.) Holz 6:222-224. Sept.1952. 99.82 H743

14689 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Preservation of timber and metal. Gt. Brit. Min. Agr. & Fisheries. Fixed Equip. Farm. L. 17,18 p. 1952. 10 G7944

14690 HÄCKER, G. Feuerschutzimprägnierung von holz. Garmisch-Partenkirchen,Moser,1951. 15 p. (Fachliteratur-Ermittlungs-und Berichtsdienst für Industrie und Forschung. Archiv 795) 296.6 H112

14691 HARRIS, W. V. A note on wood preservatives for termite control. East African Agr. J. 17:109-110. Jan.1952. 24 Ea74

14692 HOF, T. Het optreden van blauw in hout [The occurrence of blue stain in wood]. Houtinst. T.N.O. C. 16,19 p. Ref. Feb.1952. 99.9 C336

14693 HUDDLESTON, E. B. Preserving timber buildings on the farm. Queensland Fruit & Veg. News 2(43):9-10. Sept.5,1952. 280.38 Q3

14694 MCMULLEN, M. J. A direct method of detecting boron in timber. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(4):12. Dec.1951,pub. 1952. 99.9 N472T

14695 MANN, R. H. 54-year-old creosoted pine poles free from decay and in excellent condition. Wood Preserv. News 30:113-117. Nov.1952. 300.8 W853

14696 RIABUSHIN, P., and MAL'KO, B. Wood-destroying fungi and insects—pests of wood and their control. (In Russian.) Sel'sk. Stroitel' 7(3):15-16. May/June 1952. 296.28 Se4

14697 ROBINSON, T. G. Day-to-day problems of a timber preserving plant. (Sum.) Timber News 60:540-541. Nov.1952. 99.81 T482

14698 SANDERMANN, W., and JONAS, G. Z. Uber die imprägnierung von hölzern mit öligen schutzmitteln, unter besonderer berücksichtigung der fichte. Holz als Roh- u. Werkst. 10:305-311. Ref. Aug.1952. 99.81 H74

14699 SCHULZ, G. Ein mykologisches verfahren zur bewertung fungicider grundiermittel mit bläuewidriger wirkung. Holz als Roh- u. Werkst. 10:353-356. Sept. 1952. 99.81 H74

14700 SEDZIAK, H. P. The evaluation of two modern wood preservatives. Forest Prod. Res. Soc. J. Preprint 230,9 p. 1952. 99.9 F7662J
Pentachlorophenol and copper naphthenate.

14701 TEWARI, M. C., PANDE, J. N., and PURUSHOTHAM, A. Testing of wood preservatives. I. Indian Forester 78:442-453. Ref. Sept.1952. 99.8 In2

14702 THUNELL, B. Einwirkung der bläue auf die festigkeitseigenschaften der kiefer. Holz als Roh- u. Werkst. 10:362-365. Ref. Sept.1952. 99.81 H74

14703 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Prevention and control of decay in dwellings. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 251,rev.,6 p. Oct.1952. 1.9 F761

14704 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Weathering and decay. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 221,rev.,2 p. Oct. 1952. 1.9 F761

FOREST PRODUCTS

14705 DER AFRIKANISCHE tropenwald und seine holzexportgebiete. II. Nigeria/wichtigstes holz ist abachi. Norddeut. Holzwirt. 6(46):3. Oct.15,1952. 99.82 N75

14706 FEDERAL RESERVE BANK OF BOSTON. Forest market report, 1952. N. H. Agr. Col. Ext. B. 102 26 p. Dec.1951. 275.29 N45
U. S. Forest Service, Northeastern Forest Experiment Station cooperating.

14707 WASHINGTON. FOREST PRODUCTS COMMISSION. Third biennial report October 1, 1950 - September 30, 1952. Olympia,1952. 19 p. 99.9 W279

Lumber and Rough Products

14708 AUSTILL, H. 100 years of engineering progress with wood on the railroads. (Extr.) Wood Preserv. News 30:104-107,111-112. Oct.1952. 300.8 W853

14709 BLAIR, T. A. Two years' experience on the Santa Fe in using tie inspectors to determine the cause of failure of ties at the time they are removed. Cross Tie B. 33(11):40,42,44,46. Nov.1952. 99.82 C87

14710 BROWN, N. C. North American grading rules. Wood [London] 17:428-430. Nov.1952. 99.82 W855

14711 EDLIN, H. L. Timber; types of timber and the purposes for which it is used on the farm. I. Farmers Wk. [London] 37(18):69. Oct.31,1952. 10 F2226

14712 EUROPEAN pitprop and pulpwood supplies. Unasylva 6:73-78. June 1952. 99.8 Un1

14713 GAHAN, E. J. B. Notes on re-laying and maintenance, Nigerian railway. (Extr.) Timber News 60:483-485. Oct.1952. 99.81 T482

14714 GOJMERAC, M. Structure and formation of prices of products in lumber industry. (In Serbo-Croatian.) Narod. Šumar 6:105-119. May/June 1952. 99.8 N16

14715 GOLDENSTERN. Richtiges aufarbeiten, aushalten und sortieren des holzes. Hannoversche Land- u. Forstwirt. Ztg. 105:976. Sept.27,1952. 18 H194
Pine wood.

14716 HARVESON, C. B. History of cross ties on the Baltimore & Ohio Railroad. Cross Tie B. 33(11):46,48-52. Nov.1952. 99.82 C87

14717 HOYLE, R. J. Changes in our lumber market. Wood Working Digest 54:47-50,52-55. Nov.1952. 99.82 W87

14718 KUEHN, A. L. The life of cross ties. What is the most economic length of life? Cross Tie B. 33(11): 30,32,34,36,38,40. Nov.1952. 99.82 C87

14719 LUDWIG, T. M. Modern handling in a retail lumber yard. Canada Lumberman 72(11):50-51,69,72-73. Nov.1952. 99.81 C16

14720 MATSON, E. E. Lumber-grade recovery from Oregon coast-type Douglas-fir [Pseudotsuga taxifolia]. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Paper 3,10 p. May 1952. 1.9622 P2R3J

14721 MATSON, E. E. Lumber grades from young-growth Douglas-fir [Pseudotsuga taxifolia]. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Note 79,2 p. Sept.1952. 1.9 F7629Fr

14722 MATSON, E. E. Recovery from lower grades of Douglas fir logs. Timberman 54(2):106-107. Dec. 1952. 99.81 T484

14723 PARKS, W. H. Formation of quality classes for second-growth Douglas-fir logs based on lumber grade recovery. (Abs.) J. Forestry 50:868-869. Nov. 1952. 99.8 F768

14724 PECK, E. C. Storage and handling of lumber (at wholesale and retail yards and at consumer plants). U. S. Forest Serv. Forest Prod. Lab. Rpt. D1919,17 p. June 1952. 1.9 F761R

14725 PONGRACZ, A. F. Combination lighting for lumber grading. Timberman 54(2):94-96. Dec.1952. 99.81 T484

14726 SMITH, W. R. Never lift a board. South. Lumberman 185(2319):66,68,70,72. Nov.15,1952. 99.81 So82

14727 UM DIE anpassung der mindestpreise. Osterr. Forst- u. Holzwirt. 7:209-210. June 7,1952. 99.81 Os7
Lumber prices and trade.

14728 WARD, W. W. Comparison of values obtained from the utilization of low grade oak trees for pulpwood, lumber and cross ties. Cross Tie B. 33(11):61-66. Nov. 1952. 99.82 C87

14729 WEISS. Die schnittholzproduktion 1951. Osterr. Forst- u. Holzwirt. 7:160-161. Apr.21,1952. 99.81 Os7

14730 ZUR FRAGE des grubenholzexportes. Osterr. Forst- u. Holzwirt. 7:61-63. Feb.21,1952. 99.81 Os7
Germany and Austria.

Building Construction

14731 ABBING, W. J. R. Wood as construction material. (In Dutch.) Houthandel 5:237-241. Sept.18,1952. 99.81 H81

14732 AIMONI, G. Le bois dans le parquetage des chambres. (In Italian.) Italia Forest. e Mont. 7:203-207. July/Aug.1952. 99.8 It12
French summary.

14733 ANZENBERGER, H. Holzhäuser für Neuseeland. Bau u. Holz 3:197-199. Oct.1952. 296.8 B32

14734 DOYLE, D. V. Research in wind-resistant farm building construction. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1930,8 p. Ref. Aug.1952. 1.9 F761R

14735 GRIFFAULT, P. Le châlet en bois. Bois et Scieries 58:1045-1046,1084,1086. Oct.16-23,1952. 99.81 B632
Prefabricated.

14736 LUXFORD, R. F. Prefabricated house system developed by the Forest Products Laboratory. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1165,rev.,9 p. Oct. 1952. 1.9 F761R

14737 SCHAFFER, F. Ingenieurholzbau in Osterreich. Bau u. Holz 3:73-76. Apr.1952. 296.8 B32

14738 SEITZ, H. Formänderungen an einem 40 jahre alten bretterzaun. Holz als Roh- u. Werkst. 10: 357-358. Sept.1952. 99.81 H74

Veneers, Plywood and Adhesives

14739 BOOTH, H. E. Properties of waterproof plywood. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(4):13-15. Dec.1951,pub.1952. 99.9 N472T

14740 BRITISH STANDARDS INSTITUTION. Sampling and testing vegetable adhesives. Brit. Standards Inst. Brit. Standard 844,15 p. 1951. 290.9 B77

14741 CARRUTHERS, J. F. S., and LACEY, P. M. C. The Risborough platen-oven, a machine for rapid moisture content determinations upon veneers. Wood [London] 17:420-423. Nov.1952. 99.82 W855

14742 EGNER, K., and BRUNING, H. Herstellung von weichenschwellen durch keilzinken-verleimung im hochfrequenten kondensatorfeld. Holz als Roh- u. Werkst. 10:319-323. Aug.1952. 99.81 H74

14743 FINOSHIN, A. E. Veneering [furniture] in hot presses with cooling system. (In Russian.) Derevoperera batyvaſushchaſa i Lesokhim. Promysh. 1(5):27-28. Aug.1952. 99.82 D44

14744 FYSH, D., and JONES, E. C. Animal glues for wood. 1. The properties of animal glue. Wood [London] 17:424-427. Nov.1952. 99.82 W855

14745 GRAHAM, P. H. Electronic gluing. 2. Edge gluing. Wood Working Digest 54:78,80-88,90.92,94,96-100,102,104,106,108-111. Nov.1952. 99.82 W87

14746 GRAHAM, P. H. Various phases affect electronic core gluing. Veneers & Plywood 46(11):14,34-37. (Cont.) Nov.1952. 99.82 V55

14747 KRASOVSKII, S. P. On the technology of manufacturing plywood plastics. (In Russian.) Derevoperera batyvaſushchaſa i Lesokhim. Promysh. 1(3):11-13. June 1952. 99.82 D44

14748 KREIDER, C. New process for making hardwood veneer panels. (Sum.) Wood & Wood Prod. 57(12): 26-27. Dec.1952. 99.82 W856

14749 KUENZI, E. W. Effect of elevated temperatures on the strengths of small specimens of sandwich construction of the aircraft type. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1804-B,5 p. Sept.1952. 1.9 F761R

14750 MARCH, H. W. Behavior of a rectangular sandwich panel under a uniform lateral load and compressive edge loads. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1834,29 p. Ref. Sept.1952. 1.9 F761R

14751 NORTHCOTT, P. L. The development of the glueline-cleavage test. Forest Prod. Res. Soc. J. Preprint 223,9 p. 1952. 99.9 F7662J

14752 PERRY, T. D. Products development. Canad. Woodworker 52(10):70-71,78-79. Oct.1952. 99.82 C162
Plywood.

14753 PERRY, T. D. Types of plywood. 12. Resin impregnated plywood. Wood Working Digest 54:67-70,72, 74,76-77. Nov.1952. 99.82 W87

14754 POROKHIN, A. A., and EGOROV, A. N. Plywood pipes. (In Russian.) Derevopererabatyvaſushchaſa i Lesokhim. Promysh. 1(2):18-21. May 1952. 99.82 D44

14755 ROACH, D. J. A scientific approach to wood. 6. Natural and synthetic resin adhesives and impregnants. Timber News 60:488-489. (Cont.) Oct.1952. 99.81 T482

14756 ROACH, D. J. A scientific approach to wood. 6. Natural and synthetic resin adhesives and impregnants. Timber News 60:537-539. Nov.1952. 99.81 T482

14757 ROEM, B. Plywood: a modern material. (In Dutch.) Houthandel 5:242-245. Sept.18,1952. 99.81 H81

14758 SACHT, H. J. Die entwicklung der waagerechten furniermessermaschine bis zum heutigen stand der technik. Holz Als Roh- u. Werkst. 10:324-327. Aug. 1952. 99.81 H74

14759 SAKS, E. V. Elm lends itself to artistic effects in plywood production. Veneers & Plywood 46(11): 32-34. Nov.1952. 99.82 V55

14760 SMIRNOV, A. V. On potential productive capacity of plywood enterprises. (In Russian.) Derevopererabatyvaſushchaſa i Lesokhim. Promysh. 1(4):29-31. July 1952. 99.82 D44

14761 STAMENKOVIĆ, B. The plant of plywood and wood panels in Blažuje and plant of wood panels in Foča our new objects of final production and their significance for our economy. (In Serbo-Croatian.) Narod. Šumar 6: 125-130. May/June 1952. 99.8 N16

14762 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on glue, glued products, and veneer. U. S. Forest Serv. Forest Prod. Lab. Rpt. R513,18 p. Aug.1952. 1.9 F761R

14763 VIART, F. Collage du bois par radiofréquence. III. Rev. du Bois 7(11):10-14. Nov.1952. 99.82 R32

14764 WERREN, F. Fatigue of sandwich constructions for aircraft (aluminum facing and expanded-aluminum-honeycomb core sandwich material tested in shear). U. S. Forest Serv. Forest Prod. Lab. Rpt. 1559-K,4 p. July 1952. 1.9 F761R

14765 WERREN, F. Shear-fatigue properties of various sandwich construction. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1837,4 p. Ref. July 1952. 1.9 F761R

Furniture

14766 JOEL, D. Furniture timbers in relation to design. 5. Some exotic timbers. Wood [London] 17:440-441. Nov.1952. 99.82 W855

Containers

14767 SOULILLOU, A. Le bois et le vin. Rev. du Bois 7(11):21-24. Nov.1952. 99.82 R32

14768 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on box and crate construction and packaging data. U. S. Forest Serv. Forest Prod. Lab. Rpt. R791,17 p. Aug.1952. 1.9 F761R

Pulp and Paper

14769 BELL, G. E., and MARTIN, P. E. Portable and small stationary type chippers. Canada. Forest Prod. Lab. Div. Mimeog. 0-163,4 p. Jan.1952. 99.9 C1612M

14770 BLOSHTEĬN, I. I. A present-day factory of high quality sulfite cellulose. (In Russian.) Bumazhnaîa Promysh. 27(11):17-21. Nov.1952. 302.8 B88

14771 BOROVOĬ, V. IA. Paper industry of the People's Republic of Bulgaria. (In Russian.) Bumazhnaîa Promysh. 27(10):29. Oct.1952. 302.8 B88

14772 DELAHEY, W. A. Foresters in the pulp and paper industry over the past three decades. Annu. Ring 1952:42-44. 99.8 An74

14773 DENISOV, IŪ. A. Method of speeding up the production of sulfate cellulose. (In Russian.) Bumazhnaîa Promysh. 27(6):22-23. June 1952. 302.8 B88

14774 DZHELIŪK, S. P., and SOLOMKO, V. S. Experiment in manufacturing sulfate cellulose from larch [wood]. (In Russian.) Bumazhnaîa Promysh. 27(10):21-24. Oct.1952. 302.8 B88

14775 EVANS, J. C. W. Fine paper manufacture in Canada. Pulp & Paper Mag. Canada 53(12):100-104. Nov. 1952. 302.8 P96

14776 GINZBURG, L. I. On some technical and economic indexes of cellulose production. (In Russian.) Bumazhnaîa Promysh. 27(6):28-29. June 1952. 302.8 B88

14777 GRAHAM, C. R. A market analyst looks at chemical trends in pulp and paper. Paper Indus. 34:977-979. Nov.1952. 302.8 P1923

14778 HATCH, R. S. Research in the pulp and paper industry. South. Pulp & Paper Mfr. 15(11):60-61,88. Nov.10,1952. 302.8 So8

14779 HATCH, R. S. Research in the pulp and paper industry. Tappi 35(11):125A-126A. Nov.1952. 302.8 T162

14780 HORN, A. G. Ten years' pulpwood production in the Lake States (1942-1951). U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 384,2 p. Oct.1952. 1.9 F7625T

14781 JAYME, G., and LICHT, W. Einfluss der sulfidität beim alkalischen aufschluss von buchenholz. Papier 6:450-456. (Cont.) Ref. Nov.1952. 302.8 P1934

14782 KESWICK, R. J. P. Semi-chemical pulping at Bathurst. Pulp & Paper Mag. Canada 53(12):127-131. Nov.1952. 302.8 P96

14783 KINGSBURY, R. M., and LAKE, C. L. The determination of copper in wood pulps with tetraethylene pentamine. Tappi 35:527-528. Nov.1952. 302.8 T162

14784 LARIN, P. S. Sulfite cooking of pressed wood. (In Russian.) Bumazhnaîa Promysh. 27(8):12-16. Aug. 1952. 302.8 B88

14785 LOCKWOOD'S directory of the paper, and allied trades, ed. 78, 1953. New York,1952. 1548 p. 302 L81

14786 MCCORMACK, J. F. Southern pulpwood production hits new high. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 15,2 p. July 1952. 1.9622 S4R312

14787 MACDONALD, R. G. T.A.P.P.I. in the South. South. Pulp & Paper Mfr. 15(11):58,60. Nov.10,1952. 302.8 So8

14788 MANNBRO, N. Sulphite waste liquor as cooking liquor for neutral sulphite cooking. (In Swedish.) Svensk Papperstidn. 55:665-667. Sept.15,1952. 302.8 Sv2
English summary.

14789 MAY, M. N. Chemical reaction equilibria in the combustion of sodium-base pulping liquors. Tappi 35 511-517. Nov.1952. 302.8 T162

14790 MURTO, J. O. The Finnish wood as raw material for pulp and paper. (In Finnish.) Paperi ja Puu B 34:343-351. (Cont.) Sept.15,1952. 302.8 P1991

14791 NATIONAL directory of the Canadian pulp and paper industries 1952. Gardenvale,1952. 473 p. 225 N2123

14792 NEPENIN, IŪ. N., and SAPITSYNA, L. N. Effect of cooking with a high consumption of alkali on the chemical properties of sulfate cellulose. (In Russian.) Bumazhnaîa Promysh. 27(6):10-15. Ref. June 1952. 302.8 B88

14793 NICHOLSON, G. W. E. Forecast of future developments in the southern pulp and paper industry. Paper Mill News 75(46):49,156. Nov.15,1952. 302.8 P195

14794 NICHOLSON, G. W. E. The southern pulp and paper industry and the technologist. South. Pulp & Paper Mfr. 15(11):54,56-57. Nov.10,1952. 302.8 So8

14795 NICHOLSON, G. W. E. The southern pulp and paper industry and the technologist. Tappi 35(11):126A-128A. Nov.1952. 302.8 T162

14796 NOLAN, W. J., and BROW, W. F. Studies in continuous alkaline pulping. II. High yield cellulose pulp from scrub oaks. Tappi 35:505-510. Nov.1952. 302.8 T162

14797 O'BRIEN, A. S., and DAVIS, T. L. The colorimetric determination of pentosans in highly refined pulp. Tappi 35:499-505. Ref. Nov.1952. 302.8 T162

14798 ORTIZ, R. La escasez mundial del papel. Rev. Forest. Chilena 2:104-105. Aug.1952. 99.8 R3292

14799 PALMGREN, H., and HEDSTRÖM, B. O. A. Flow of pulp suspensions in pipes. Svensk Papperstidn. 55:691-699. Ref. Sept.30,1952. 302.8 Sv2

14800 PRYDZ, A. Slipmassaindustriens tekniska utveckling i Sverige, 1857-1950. [The technical development of the mechnical wood pulp industry in Sweden, 1857-1950]. Stockholm,1952. 193 p. Ref. 302.9 Sv2

14801 RENNERFELT, E. The wood storage problem of the pulp industry. (In Swedish.) Svensk Papperstidn. 55:609-612. Sept.4,1952. 302.8 Sv2
Prevention of rot.

14802 SAMUELSON, O., GABRIELSON, G., and HARTLER, N. Distillation of alcohol in connection with the evaporation of sulfite waste liquor. (In Swedish.) Svensk Papperstidn. 55:613-619. Ref. Sept.4,1952. 302.8 Sv2
English summary.

14803 SCHOLANDER, A. Sulfur balance by the evaporation of sulfite waste liquor. (In Swedish.) Svensk Papperstidn. 55:620-621. Sept.4,1952. 302.8 Sv2

14804 SILLÉN, L. G., and ANDERSSON, T. Solid-gas equilibria of importance in burning concentrated calcium or magnesium sulfite waste liquor. Svensk Papperstidn. 55:622-631. Ref. Sept.4,1952. 302.8 Sv2

14805 SOLOMKO, V. S., and DZHELIŪK, S. P. Rapid methods of [sulfate] cellulose production. (In Russian.) Bumazhnaîa Promysh. 27(6):5-10. June 1952. 302.8 B88

14806 SYMÉ, T. D., and DAWSON, J. A. A mill study of kraft pulp refining. Canad. Pulp & Paper Indus. 5(11): 8-12,14,16,18,20,22,24. Nov.1952. 302.8 W52

14807 TOMLINSON, G. H., II, and TUCK, N. G. M. The use of the centricleaner with special reference to the cleaning of alkaline hardwood pulp. Pulp & Paper Mag. Canada 53(12):109-114. Nov.1952. 302.8 P96

14808 TUMBIN, P. A. For improving the cooking process [of pulp] (In Russian.) Bumazhnaia Promysh. 27(1):19-20. Oct.1952. 302.8 B88

14809 VALEUR, C. The influence of the moisture of the wood upon the quality and yield of kraft pulp. (In Swedish.) Svensk Papperstidn. 55:776-783. Oct.31,1952. 302.8 Sv2
English summary.

14810 WILSON, H. A. B. Methods of reducing the consumption of chlorine in pulp bleaching. Paper-Maker & Brit. Paper Trade J. 124:403-404,406-408,410-411. Ref. Nov.1952. 302.8 P1922

14811 WURZ, O. Moderne arbeitsmethoden skandinavischer sulfitzellstoffwerke. Papier 6:457-464. Nov.1952. 302.8 P1934

14812 ZHURKOV, A. V. Preparation of paper pulp in water grinders. (In Russian.) Bumazhnaîa Promysh. 27(8):28-30. Aug.1952. 302.8 B88

Chemical Products and Distillates

14813 BAYFIELD, R. Chemicals from the leaves of forest flora. I. Eucalypts. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(4):16-19. Dec.1951, pub.1952. 99.9 N472T

14814 BRAVO, G. A. Le bois de chataignier et son extrait tannant. Rev. Tech. des Indus. du Cuir 44:165-171. (Cont.) Sept.1952. 303.8 C89

14815 HICOCK, H. W., OLSON, A. R., and CALLWARD, F. M. The Connecticut charcoal kiln. Conn. Agr. Col. Ext. B. 431,48 p. June 1951. 275.29 C76B
Includes a report on the manufacture and utilization of charcoal by R. H. Fenton.

14816 LINDER, A. Tall oil refining. Stockholm, Generalstabens Litografiska Anstalts Förlag,1952. 56 p. (Ingeniörsvetenskapsakademiens, Stockholm. Handlingar, 207) 307 L64

14817 MCNEILL, W. M. British forests; their potentialities in relation to the chemical utilization of wood, with special reference to forestry in Scotland. Chem. & Indus. 45:1087-1089. Nov.8,1952. 382 M31C

14818 ROUX, D. G. The fractionation and paper chromatography of black wattle extract. Soc. Leather Trades' Chem. J. 36:274-284. Ref. Sept.1952. 303.9 So12

14819 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on chemistry of wood and derived products. U. S. Forest Serv. Forest Prod. Lab. Rpt. R238,41 p. Aug.1952. 1.9 F761R

Naval Stores

14820 GAVIÑA, M. Problemas economicos actuales de la industria resinera. Cong. Internaz. Indus. Agr. Relaz. 9(1):1107-1122. 1952. 388 C765Re
English summary.

14821 GORDEEV, A. V. Quality of resin and turpentine from high yielding pine species. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 6: 11-13. Sept.1952. 99.82 D44

14822 GORDON, L. V., and TOLKACHEV, A. K. Techniological principles of fifteen-year turpentining of pine. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 1(5):9-12. Aug.1952. 99.82 D44

14823 HOLDMAN, E. E. Naval stores 1953 outlook. Paint, Oil & Chem. Rev. 115(25):100-101. Dec.4,1952. 306.8 P16

14824 HUSSEY, A. T. Progress in naval stores processing. Nav. Stores Rev. 62(33):15,19-20. Nov.15, 1952. 99.81 N22

14825 NAVAL STORES REVIEW. International yearbook, 1952. New Orleans,1952. 98 p. 309 G14N

14826 SNOW, A. G., JR. Gum yields with different frequencies of chipping and treatment. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 5,2 p. Jan.1952. 1.9622 S4R312

14827 VYSOTSKIĬ, I. V. For further introduction of the intensive method of turpentining [pine]. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 1(2): 12-18. May 1952. 99.82 D44

Other Forest Products

14828 BAIRD, P. K., and SCHWARTZ, S. L. Hardboard: processes, properties, potentials. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1928,16 p. Ref. Sept. 1952. 1.9 F761R

14829 BERGEN, E. Farine de bois de pin maritime. Rev. du Bois 7(11):20. Nov.1952. 99.82 R32

14830 BIGGEST Christmas tree grower. Fortune 46(6):140-141,154,156. Dec.1952. 110 F772

14831 BROWN, C. N. Modern tree farm methods make Christmas tree profitable. Wood & Wood Prod. 57 (12):24-25. Dec.1952. 99.82 W856

14832 COWAN, M. H. Selling Christmas trees on the farm. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 4:5-6. Apr.10,1952. 99.9 N422

14833 ELLIS, J. M. Christmas tree marketing for the small grower. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 5:14. Sept.15,1952. 99.9 N422

14834 GRANUM, H. Kutterflis og sagflis som isolasjonsmateriale i bolighus. Planer shavings and sawdust as insulation in buildings. Norsk Tretek. Inst. Utredning 1,33 p. Ref. Mar.1951. 99.9 Os5U
English summary.

14835 HUTCHINSON, C. B. Public relations, buyer vs seller. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 3:13-14. Oct.15,1951. 99.9 N422

14836 PALMER, W. Hoosier pines earn Christmas profits. Outdoor Ind. 19(10):10-11. Oct.1952. 279.8 Ou82
The industry.

14837 SCHWARTZ, S. L. Insulating board and hardboard from four common hardwoods of Northeastern farm woodlots. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1931,12 p. Ref. Sept.1952. 1.9 F761R

14838 SHAW, E. W. The trend is to farmed Christmas trees, Northwest tree buyers adopting quality standards, opening the way for real farming. Oreg. Farmer 78(22):884,912. Nov.20,1952. 6 Or32

14839 VOSS, K. Die wärmebehandlung von holzfaserhartplatten. Holz als Roh- u. Werkst. 10:299-305. Ref. Aug.1952. 99.81 H74

WOOD TECHNOLOGY

14840 ADLER, E., and LINDGREN, B. O. Some aspects on lignin structure. Svensk Papperstidn. 55:563-575. Ref. Sept.4,1952. 302.8 Sv2

14841 ALMIN, K. E. The reaction between cellulose and heavy water. Svensk Papperstidn. 55:767-770. Oct. 31,1952. 302.8 Sv2

14842 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. The non-resistant polyaldouronide hemicellulose content of Eucalyptus regnans F. v. M. wood as determined by methanol and water extractions of holocellulose, by C. M. Stewart and L. J. Harvey. South Melbourne,1952. 15 p. (Sub-Project C. 5-4, Progress Report No. 5) 99.79 Au7C

14843 BIANCHI, A. T. J. Oude practijkproeven met merbau (Intsia sp.) in Nederland.(Old service tests with merbau (Intsia spec.) in Holland.) Inst. Afd. Trop. Prod. Ber. 231,8 p. 1951. 503 Am82B
English summary.

14844 BOGOMOLOV, B. D., and SOKOLOVA, A. A. Alkali sulfate lignin. (In Russian.) Bumazhnaîa Promysh. 27(9):10-13. Sept.1952. 302.8 B88

14845 CHOWDHURY, K. A. West Bengal commercial timbers (their identification, properties and uses). Indian Forest Rec. New Ser. Wood Anat. 1:29-96. 1951. 99.8 In22W

14846 ELFVING, L. Absorption of ammonia on cellulose. (In Swedish.) Svensk Papperstidn. 55:794-795. Oct.31,1952. 302.8 Sv2

14847 ENKVIST, T., and MOILANEN, M. Digestion of lignin model substances with sodium hydrosulphide solutions. Svensk Papperstidn. 55:668-673. Ref. Sept. 15,1952. 302.8 Sv2

14848 ENKVIST, T., ALFREDSSON, B., and HÄGGLUND, E. Studies on the sulfonation of alkali lignins. Svensk Papperstidn. 55:588-596. Ref. Sept.4, 1952. 302.8 Sv2

14849 ERDTMAN, H., and MISIORNY, A. Constituents of pine heartwood XXXI. The content of pinosylvin phenols in Swedish pines. Svensk Papperstidn. 55:605-608. Sept.4,1952. 302.8 Sv2

14850 FREUDENBERG, K. Die entstehung des lignins in der pflanze. Holzforschung 6:37-42. 1952. 99.8 H74
English summary.
Wood chemistry.

14851 HESS, R. W. Practical facts on how to use imported hardwoods. III. Wood & Wood Prod. 57(12):44,65. Dec.1952. 99.82 W856

14852 HEUSER, E. The present status of the chemistry of cellulose. Tappi 35:481-489. Ref. Nov.1952. 302.8 T162

14853 LAMB, G. N. Foreign woods. Wood & Wood Prod. 57(12):16. Dec.1952. 99.82 W856
Licaria and Vochysia.

14854 LEOPOLD, B. Studies on lignin. XIV. The composition of Douglas fir wood digested by the West Indian dry-wood termite (Cryptotermes brevis Walker). Svensk Papperstidn. 55:784-786. Ref. Oct.31,1952. 302.8 Sv2

14855 LINDSTEDT, G., and MISIORNY, A. Constituents of pine heartwood. XXX. A method for the quantitative estimation of pinosylvin phenols in pine heartwood. Svensk Papperstidn. 55:602-604. Sept.4,1952. 302.8 Sv2

14856 NIKITIN, V. M., and KRASOVSKAÍÀ, O. N. On the oxidation of lignin by oxygen. (In Russian.) Bumazhnaía Promysh. 27(11):13-16. Nov.1952. 302.8 B88

14857 PAVOLINI, T., and AVI, M. The chemistry of lignin. (In Italian.) Chimica (n.s.)7:297-306. Ref. 1952. 385 C445

14858 PRINCES RISBOROUGH, ENG. FOREST PRODUCTS RESEARCH LABORATORY. Brachystegia and Isoberlinia species. Gt. Brit. Dept. Sci. & Indus. Res. Forest Prod. Res. Lab. L. Feb.1952,5 p. 99.9 G796L

14859 PRINCES RISBOROUGH, ENGLAND. FOREST PRODUCTS RESEARCH LABORATORY. Makoré - Mimusops heckelii. Gt. Brit. Dept. Sci. & Indus. Res. Forest Prod. Res. Lab. L. Feb.1952,3 p. 99.9 G796L

14860 RYDHOLM, S. Etherification of cellulose. II. Reactivity of sodium cupricellulose. Svensk Papperstidn. 55:661-664. Ref. Sept.15,1952. 302.8 Sv2

14861 SAEMAN, J. F., MILLETT, M. A., and LAWTON, E. J. Effect of high-energy cathode rays on cellulose. Indus. & Engin. Chem. 44:2848-2852. Ref. Dec.1952. 381 J825

14862 SANDERMANN, W., SCHARFE, E., and CASTEN, R. Eine methode zur kolorimetrischen bestimmung von quecksilber in kyanisiertem holz und technischen celluloseprodukten. Holzforschung 6:42-43. 1952. 99.8 H74
English summary.

14863 SCHMIDT, E. Canarium, Canarium schweinfurthii Engl. familie Burseraceae. Uberseehölzer 33,4 p. 1952. 99.82 Ub3

14864 TIMELL, T. E. A method for estimating the distribution of the substituents in partially substituted carboxymethylcelluloses. Svensk Papperstidn. 55:649-660. Ref. Sept.15,1952. 302.8 Sv2

14865 TIMELL, T. E., and SPURLIN, H. M. The distribution of the substituents in partially substituted carboxymethylcelluloses. II. Svensk Papperstidn. 55: 700-708. Ref. Sept.30,1952. 302.8 Sv2

14866 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on the growth, structure, and identification of wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R177,23 p. Sept.1952. 1.9 F761R

14867 VALTASAARI, L. Intrinsic viscosity of cellulose in cupri-ethylenediamine solution. Finland. Valtion Tek. Tutkimuslaitos. Tiedoitus 104,16 p. Ref. 1952. 330.9 F49T

14868 ZENCZAK, P. Extraction of lignin from wood with triethylene glycol. Nowest. Sci. 26:145-151. Nov. 1952. 470 N81

Properties and Structure

14869 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. The recovery of wood after compression at high temperatures, by P. U. A. Grossman. South Melbourne,1952. 10 p. (Sub-Project T.P. 16-0; Experiment T.P.16-0/1) 99.79 Au7PLa

14870 COZZO, D. Madera de Conifera. Chacra 23 (264):28. Nov.1952. 9 C34
Properties.

14871 DEMIDOVA, L. A. Dielectric properties of laminated wood. (In Russian.) Derevopererabatyvaîushchaía i Lesokhim. Promysh. 6:9-11. Sept.1952. 99.82 D44

14872 ELLERTON, J. R. Tests on behaviour of British Guiana Wallaba [Eperua]. 2. Timber News 60: 486-488. Oct.1952. 99.81 T482

14873 JANE, F. W. The structure of timbers of the world. 14. Timber News 60:529-532. Nov.1952. 99.81 T482

14874 KONIG, E. ABC der holzeigenschaften. Norddeut. Holzwirt. 6(51):3. (Cont.) Oct.27,1952. 99.82 N75

14875 KONIG, E. Farbe und zeichnung des holzes. Norddeut. Holzwirt. 6(38):5. (Concl.) Sept.18,1952. 99.82 N75

14876 MACLEAN, J. D. Effect of moisture changes on the shrinking, swelling, specific gravity, air or void space, weight and similar properties of wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1448,rev.,28 p. Sept.1952. 1.9 F761R

14877 MARKWARDT, L. J. How surface condition of nails affects their holding power in wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1927,rev.,4 p. Aug.1952. 1.9 F761R

14878 NAMBIYAR, V. P. N. Russel effect in Indian timber woods. Indian Forester 78:490-496. Oct.1952. 99.8 In2

14879 NEW ZEALAND. STATE FOREST SERV. The physical and mechanical properties of the principal indigenous woods of New Zealand, by A. R. Entrican, W. C. Ward, and J. S. Reid. Wellington,Owen,1951. 82 p. 99.79 N482

14880 PAO, Y. H., and MARIN, J. Deflection and stresses in beams subjected to bending and creep. Pa. Engin. Expt. Sta. Tech. Paper 99,7 p. 1952. 290.9 P38Tp

14881 SCENTED satinwood [Ceratopetalum apetalum]. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(4):2-6. Dec.1951,pub.1952. 99.9 N472T

14882 SIIMES, F. E., and LIIRI, O. Puun lujuustutkimuksia. I. Pienet virheettömät mäntykoekappaleet. Investigations of the strength properties of wood. I. Tests on small clear specimens of Finnish pine (Pinus silvestris). Finland. Valtion Tek. Tutkimuslaitos. Tiedoitus 103,88 p. Ref. 1952. 330.9 F49T
English summary.

14883 SORSA, B., and NYKÄNEN, P. Puun dielektrisistä ominaisuuksista. The dielectric properties of wood. Finland. Valtion Tek. Tutkimuslaitos. Tiedoitus 88,17 p. 1952. 330.9 F49T
English summary.

14884 VENET, J. Etude de la résistance mécanique des bois de mine. Ecole Natl. des Eaux et Forêts et Sta. de Rech. et Expér. Ann. 12:321-408. 1951. 99.9 F845
English summary.

14885 WAGEMANN W., G. La madera y sus propiedades. I-III. Rev. Forest. Chilena 2:20-24,65-69,342-348. Apr.-June/July 1952. 99.8 R3292

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

14886 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DEPT. DE INSEMINACION ARTIFICIAL. La inseminacion artificial; cuidados inherentes a su aplicación. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:97-98. 1951/52. 9 Ag874

14887 BETTINI, T. M. Criteria to evaluate breeding animals. II. (In Italian.) Riv. di Zootec. 25:251-255. (Cont.) Sept.1952. 49 R52

14888 BLOMKVIST, M. Organizing breeding work on [livestock] farms. (In Russian.) Kolkhoz. Proizvodstvo 12(10):43-45. Oct.1952. 281.8 K83

14889 BO, C. DEL, and CATTANEO, A. Official speeches made on April 26th 1952, in the event of the inauguration of the new headquarters of the L. Spallanzani Institute for Artificial Insemination. (In Italian.) Zootec. e Vet. 7:320-326. Aug.1952. 41.8 Z7

14890 BONADONNA, T. The law on artificial insemination approved in Italy. (In Italian.) Zootec. e Vet. 7:257-259. June/July 1952. 41.8 Z7

14891 BONADONNA, T. Problems of the international exchange of semen. (In Italian.) Zootec. e Vet. 7:259-268. June/July 1952. 41.8 Z7

14892 BONADONNA, T. Sterility of domestic animals. I. (In Italian.) Mondo Agr. 3(40):6. Oct.5,1952. 16 M74

14893 BRØNDEGAARD, V. J. From magic to agricultural practice. (In Danish.) Dansk Landbr. 71:522-524. Oct.23,1952. 280.28 V91
Artificial insemination.

14894 FALCONER, D. S. The problem of environment and selection. Amer. Nat. 86:293-298. Ref. Sept./Oct.1952. 470 Am36
In relation to livestock.

14895 FORESTI, C. The problem of artificial insemination. (In Italian.) Prog. Vet. 7:678,680. Oct.15,1952. 41.8 P942

14896 GENOUD, J. F. Selección y producción. Buenos Aires y La Pampa 19(110):45-47. July/Aug. 1952. 9 B868
Livestock.

14897 GÖTZE, R. Die unfruchtbarkeit der haustiere im allgemeinen. Fortpflanzung u. Besamung der Haustiere 2:49-51. July 15,1952. 41.8 F773

14898 KARRAS, W. Wärmewasserbad und registratur, ihre entwicklung und anwendung. Fortpflanzung u. Besamung der Haustiere 2:68-69, (Concl.) Sept.15, 1952. 41.8 F773
Method of testing sperm fertility.

14899 KNOPFF. Werden und sterben einer züchtervereinigung; zum 71. gründungstag der "Ostpreussischen Herdbuchgesellschaft" e. V. Deut. Landwirt.-Gesell. Mitt. 67:732-735. Oct.9,1952. 18 N39

14900 LEBEDEV, M. M., and LIBIZOV, M. P. Skreshchivanie i dvoĭnoe sparivanie v pol'zovatel'nom zhivotnovodstve [Crossing and double-mating in profitable animal husbandry]. Moskva,Gos. Izd-vo Selkhoz Lit-ry, 1952. 166 p. Ref. 40 L492

14901 MUSSER, K. B. Sire selection most important phase of livestock breeding. Guernsey Breeders' J. [Peterborough] 86:887. Nov.15,1952. 43.8 G93

14902 NETHERLANDS. CENTRALE COMMISSIE VAN TOEZICHT OP DE UITVOERING VAN DE KUNSTMATIGE INSEMINATIE. Jaarverslag 1951 [Annual report of the Central Commission for Inspection of Artificial Insemination Activities, 1951]. Utrecht,1952? 63 p. 280.9 N383J
English summary, p. 56-57.

14903 OERTZEN, H. U. VON. Wir sahen die tierzucht in den österreichischen nachbarländern. Tierzüchter 4:564-567. Nov.20,1952. 49 T445

14904 POHL, A. Die grenzen der künstlichen besamung. Bauer 5(34):10-12. Oct.4,1952. 19 B32

14905 QUITTET, E., and POLY, J. Conceptions actuelles en matiere d'elevage. B. du HBN 13:8-32. Oct. 1952. 43.8 R11
English summary.
Breeding and hybridization.

14906 SCHILLINGS. Die aufbringung der kosten zur beschaffung und unterhaltung der vatertiere ist sache der ganzen gemeinde. Bad. Landwirt. Wchnbl. 119:715,718-719. Oct.11,1952. 18 B142

14907 SHULTZ, F. M. Are we livestock breeders or propagators? Sheepman 23:265,295. Dec.1952. 45.8 Sh32

14908 SINGLETON, R. E. Livestock improvement. Sheep Breeder 73(12):40,42,44. Dec.1952. 45.8 Am31

14909 ZAYAS, C., JR. Inseminación en Cuba. Rev. Ganad. [Habana] 12(11):36-38. Nov.1952. 49 R321

FEEDS AND FEEDING

14910 ALEKSEEV, I. Harvesting and ensilage of forage crops. (In Russian.) Tekhsovety MTS 13(19/20): 6-12. May 1952. 58.8 T233

14911 ANGOVE, P. C. Good grazing obtained from chou moellier in the Upper North. So. Austral. Dept. Agr. J. 56:58-59. Sept.1952. 23 So84

14912 ARMSTRONG, R. H., and THOMAS, B. The availability of calcium in three legumes of grassland. J. Agr. Sci. 42:454-460. Ref. Oct.1952. 10 J822

14913 AXELSSON, J. Feeding and fertility of livestock. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 30:94,99. Aug.1952. 49.9 Sk1

14914 BARNETT, A. J. G. Recent studies on the lactic acid content of silage. (Sum.) Soc. Appl. Bact. Proc. 14(2):viii-ix. Oct.1951,pub.Oct.1952. 448.39 So12

14915 BECKER, M. Über praktische fütterungsversuche. Futter u. Fütterung 22:159-161. Sept.1952. 389.78 F98

14916 BETHKE, R. M. Nutritional quality in formula feeds. Flour & Feed 53(7):18. Dec.1952. 298.8 F66

14917 BOHSTEDT, G. Role of major minerals in livestock nutrition. Feedstuffs 24(48):26,28-31,34-35. Nov.29,1952. 286.81 F322

14918 BOWMAR, S. C. Fodder crops and their utilisation. Lincoln Col. Farmers' Conf. Proc. 1952: 94-99. 27 L63
Includes discussion.

14919 BREIREM, K. Feed from fishes and sea animals. (In Norwegian.) Tidsskr. f. det Norske Landbr. 59:139-161. May/June 1952. 11 T433

14920 BRÜGGEMANN. Der einsatz von künstlichem trockengut bei der verfütterung an wiederkäuer. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1903-1904. Nov.20,1952. 18 L2346

14921 BURRELL, J. H. The importance of vitamins A and D in animal nutrition. Amer. Feed & Grain Dealer 36(10):21,66. Nov.1952. 298.8 C83

14922 BUYSSE, F., MARTIN, J., and REYNTENS, N. Comparative ensiling between fresh and wilted lucerne in closed and open silos. (In Flemish.) Gent.Landbouwhogesch. Meded. 17:376-390. June 1952. 105.1 G344
English summary.

14923 CARD, L. E. Some new developments in alfalfa research. Feedstuffs 24(47,spec.alfalfa sect.): 32a,34a-35a. Nov.22,1952. 286.81 F322
Feeding value.

14924 COLBORN, L. R. Compound feeding stuffs—past, present, future. Brit. Agr. B. 5:218-223. Nov.1952. 10 B776
Chiefly feed mixtures and nutritive value.

14925 COLLINS, F. C., and COPEMAN, T. N. S. Silage quality in England and Wales. Gt. Brit. Min. Agr. Agriculture 59:367-371. Nov.1952. 10 G79J

14926 COOP, I. E. Seasonal productivity and stock feed requirements. Lincoln Col. Farmers' Conf. Proc. 1952:82-89. 27 L63
Includes discussion.

14927 CRAMPTON, E. W. Need for specialty rations questioned by comparative nutrition standards. Canad. Milling & Feed 33(9):17-18,24. Sept.1952. 298.8 C162

14928 DAVIS, G. K. The need for copper in animal nutrition. Grain & Feed J. Consolidated 109(10):15-16. Nov.26,1952. 298.8 G762

14929 DES CHAUMES, J. Tecnicamente es posible producir mas carne. Mundo Agr. 4(40):26. Sept.1952. 9 M92
Feeding and artificial insemination.

14930 EGOSHIN, E. T , and RÍASHCHENKO, L. P. Effect of changeable utilization of park pastures on productivity of spotted reindeer stags. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):45-49. Jan./Feb.1952. 49 K14

14931 FRANKENA, H. J. Hay, silage, dried grass together. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:556-558. Sept.3,1952. 44.9 AL3
Nutritive value.

14932 GARRETT, H. E. Planning the feeding programme. Lincoln Col. Farmers' Conf. Proc. 1952: 109-111. 27 L63

14933 GONZALEZ, A. DE J. Deficiencias protéicas de nuestras principales forrajeras. Cuba Ganad. 13(1):17-18. Sept.1952. 49 C89

14934 GRASHUIS. Uber das silieren von grünfutter, insbesondere von junggras. Landwirtbl. Weser-Ems 99: 1034-1035. Oct.9,1952. 18 L2345

14935 GREEN alfalfa, an economical feed. West. Livestock J. 30(58):50-51,68,70. Oct.15,1952. 6 F2278

14936 GROSS, F. C. Silage making with modern methods. So. Austral. Dept. Agr. J. 56:51-57. Sept.1952. 23 So84

14937 HART, E. B. Phosphorus compounds in nutrition and in industry. Amer. Dietet. Assoc. J. 28: 1036-1038. Nov.1952. 389.8 Am34
Chiefly in animals.

14938 HVIDSTEN, H. Vitamin E in animal nutrition. (In Norwegian.) Tidsskr. f. det Norske Landbr. 59:194-205. Ref. May/June 1952. 11 T433

14939 JUCKER, H. Futtervoranschlag und richtiges einteilen der futtervorräte. Grüne 80:1213-1217. Nov. 7,1952. 17 Sch9

14940 KABOZOV, S. Ensilage of forage potatoes. (In Russian.) Kolkhoz. Proizvodstvo 12(10):39-40. Oct.1952. 281.8 K83

14941 KALMANSON, S. Utilization of malt grains as feed for livestock. (In Russian.) Kolkhoz. Proizvodstvo 12(10):41. Oct.1952. 281.8 K83

14942 KAS, V. Silage in a "straw silo" in the DDR. (In Czech.) Za Socialist. Zemédél. 2:823-826. July 1952. 19.5 Z1

14943 KEYES, E. A. Grass and legume silage in a livestock feeding program. Mont. Wool Grower 26(11): 51-52,54-55. Nov.1952. 45.8 M762

14944 KIRSCH, W. Qualitätsfütterung. Deut. Landwirt.-Gesell. Mitt. 67:747-748. Oct.16,1952. 18 N39

14945 KNOBLICH. Gedanken zur diesjährigen winterfütterung im Sauerland. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1830-1831. Nov.6,1952. 18 L2346

14946 KNOPFF. Die wertigkeit der grundfuttermittel und das kraftfutter. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1777-1778. Oct.30,1952. 18 L2346

14947 KONDYREV, V. D. New data on livestock feeding. (In Czech.) Za Socialist. Zemedel. 2:294-302. Mar.1952. 19.5 Z1
Czechoslovakia.

14948 KRIDER, J. L., and SOLDNER, W. L. New meal improves feeding results. Soybean Digest 13:22. Nov.1952. 60.38 So9
Soybean meal.

14949 LADRAT, J. L'aliment approprié au bon moment. Agriculture [Paris] 16:207-209. Sept.1952. 14 Ag823
Livestock feeding.

14950 LEITCH, I. Commonwealth Bureau of Animal Nutrition. Gt. Brit. Min. Food. B. 679:8-9. Nov.29,1952. 389.9 G79B

14951 MACLAY, W. D., and THOMPSON, C. R. Keeping the "A" in alfalfa. Nulaid News 30(7):8-9,29. Dec. 1952. 47.8 N917

14952 MALIS, O. Use of silage in the summer season. (In Czech.) Za Socialist. Zemédél. 2:525-528. May 1952. 19.5 Z1
Czechoslovakia.

14953 MAN, T. J. DE, and ZWIEP, N. The use of antibiotics in animal nutrition. (In Dutch.) Voeding 13: 313-333. Ref. Aug.15,1952. 389.8 V85

14954 MEREDITH, J. P. Modern silage making in U. K. Tasmanian Farmer 21(52):6-8. Aug.28,1952. 23 T186

14955 MORRISON, F. B. Latest developments in livestock feeding. Grain & Feed J. Consolidated 109(11): 28,31,33. Dec.10,1952. 298.8 G762

14956 MORRISON, F. B. Molasses in livestock feeding. Flour & Feed 53(7):24-25,34. Dec.1952. 298.8 F66

14957 MOUILHAUD. La cuisson et l'ensilage des pommes de terre. Nord Agr. 8(52):7. Oct.17,1952. 14 N75

14958 MOVSISIANTS, A. P. On a rational utilization of seasonal pastures. (In Russian.) Sovet. Zootekh. 7(10): 3-12. Ref. Oct.1952. 49 So822

14959 NADEAU, J. D. Les antibiotiques dans l'alimentation des animaux. Canad. J. Compar. Med. 16: 357-370. Ref. Oct.1952. 41.8 C162

14960 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. Bietenkoppen en -blad. [Sugar beet heads and leaves]. Netherlands. Dir. van de Landb. Vlugschr. v. de Landb. 16,12 p. 1951? 12 N38Vs
Chiefly on its use as feed.

14961 OLSON, R. O., and HEADY, E. O. Economic use of forages in livestock production on Corn Belt farms. U. S. D. A. C. 905,44 p. Ref. July 1952. 1 Ag84C

14962 RECHKA, J. Mineral and vitamin value of forage. (In Czech.) Za Socialist. Zemédél. 2:688-696. June 1952. 19.5 Z1

14963 REINACH, N., and LOUW, J. G. The supplementation of phosphate to animals through their drinking water. Farming So. Africa 27:417-419,440. Sept.1952. 24 So842

14964 RICHARDSON, L. R., and HALICK, J. V. Moisture in molasses as a factor in the heating of feeds. Tex. Agr. Expt. Sta. B. 754,15 p. Oct.1952. 100 T31S

14965 ROTH, F. J. Mineralstoffversorgung der landwirtschaftlichen nutztiere und düngung des grünlandes unter besonderer berücksichtigung der phosphorsäure. Praxis u. Forsch. 4:95-96. Aug.20,1952. 18 P89

14966 SAHAI, K., and KEHAR, N. D. Investigations on trace element copper. I. The distribution of copper in biological materials. Indian J. Vet. Sci. & Anim. Husb. 21:235-243. Ref. Dec.1951,pub.1952. 41.8 In22
In feed.

14967 SCHAEFER, H. C. Current research in dehydrated alfalfa meal. Feedstuffs 24(47,spec.alfalfa sect.):25a-27a. Nov.22,1952. 286.81 F322
As feed.

14968 SCHAIBLE, P. J. Distillers feeds. Amer. Feed & Grain Dealer 36(10):56-57,69. Nov.1952. 298.8 C83

14969 SCHMIDT, H. Drouth and vitamin A deficiency in our ruminants. Sheep & Goat Raiser 33(2):20-21,24. Nov.1952. 45.8 Sh3

14970 SCHNEIDER, B. H. Deficiency disease dietary essentials for large animals. Sowest. Vet. 6:66-71. Fall 1952. 41.8 So82

14971 SEEKLES, L., and WEGELIN, E. Valorisation du petit lait dont la teneur en sel et en lactose est diminuée, comme source de protéine dans l'alimentation des animaux. Cong. Internaz. Indus. Agr. Relaz. 9(2):921-934. 1952. 388 C765Re
English summary.

14972 SMITH, S. E. Cobalt and vitamin B_{12}. Flour & Feed 53(7):26. Dec.1952. 298.8 F66
In animal nutrition.

14973 SOKOLOV, S. E., and GLUSHNEV, M. P. Organizing the pasturing of reindeer in the taiga area. (In Russian.) Sotsialist. Zhivotnovod. 14(5):53-55. May 1952. 49 So71

14974 SPERLING. Futterwerttabellen der DLG. Futter u. Fütterung 22:165-166. Sept.1952. 389.78 F98

14975 STAFIICHUK, A. A. Content and digestibility of common and organic sulfur in hay in relation to dates of harvesting the plants. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(10):22-26. 1952. 20 Ak1

14976 STRÖM, E., and LARSSON, A. F. G. Analysis of silage in the Province. (In Swedish.) Tidskr. f. Hushsällsk. och Skogsvardsstyr. i Gävleborgs Län 27: 121-124. 1951. 11 T434

14977 TALAPATRA, S. K. Some aspects of fodder conservation. II. Silage-making. Indian Dairyman 4: 37-39. Sept.1952. 44.8 In282

14978 THOMAS, B., and ARMSTRONG, D. G. The nutritive value of common heather (Calluna vulgaris). I. J. Agr. Sci. 42:461-464. Ref. Oct.1952. 10 J822

14979 ULVESLI, O., HAUGEN, L., and SLETVOLD, L. Analysis of silage from the delivery district of Moelven Creamery. (In Norwegian.) Meieriposten 41: 755-760,799-804. Oct.18,Nov.1,1952. 44.8 M47

14980 USPENSKAIA, M. V. Composition and digestibility of the carbohydrate-lignin complex of alfalfa hay. (In Russian.) Sovet. Zootekh. 7(7):87-89. July 1952. 49 So822

14981 USUELLI, F., and PIANA, G. Utilization of dairy industry products for livestock feeding. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):897-912. 1952. 388 C765Re
English summary.

14982 VAZQUEZ, E. A. Carne y leche de la caña de azucar. II. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:331-339. Sept.1952. 65.9 As5B
Sugarcane waste as feed.

14983 VELAZQUEZ ANCHONDO, S. La alimentación del ganado. Tierra [México] 7:519-521,563-566. Aug.1952. 8 T445

14984 VIKTOROV, P. I., USTINOV, V. G., and SINIUTIN, V. I. Coriander oil cake [as feed]. (In Russian.) Sotsialist. Zhivotnovod. 14(5):81-82. May 1952. 49 So71

14985 VINE, R. Where do we stand with antibiotics? New Zeal. Farmer 73(15):3-4. Sept.25,1952. 23 N484

14986 WALDEN, H. T., II. Corn gluten feeds. Amer. Feed & Grain Dealer 36(10):34,66-67. Nov.1952. 298.8 C83

14987 WALLIN, B. The silage problem. (In Swedish) Beten-Vallar-Mossar 4:50-51. May 1952. 11 B46
Preparation.

14988 WILDER, O. H. M. Animal by-products offer advantages. Amer. Feed & Grain Dealer 36(10):54-55, 66. Nov.1952. 298.8 C83
As feed.

14989 WILDER, O. H. M. New facts uncovered on animal protein values. Natl. Provisioner 127(22):24,27-28. Nov.29,1952. 286.85 N21
In livestock nutrition.

14990 WOHLBIER. Ist eine futterberatung notwendig? Bad. Landwirt. Wchnbl. 119:712-713. Oct.11,1952. 18 B142

14991 WÖHLBIER. Welche forderungen sind an die qualität der pflanzlichen futtermittel vom standpunkt der tierernährung zu stellen? Landwirt. Forsch. Sonderh. 2:61-67. 1952. 18 L2333A

14992 WOOD, A. J. Experiments show use of refuse screenings as animal feed. Com. Rev. 102(3):16-17; (4): 18-20. Sept.16-23,1952. 286.8 C735

14993 WORDEN, A. N. Vitamin B_{12}, animal protein factor and antibiotics in animal nutrition. Vet. Rec. 64: 654-656. Ref. Nov.1,1952. 41.8 V641

14994 YEKUTIELI, N. The silage. (In Hebrew.) Hassadeh 32:545-547. Aug./Sept.1952. 26 H27

14995 ZUBRILIN, A. A., ZUBRILINA, Z. I., and GOL'DBERG, S. G. Innovation in the technology of preparation of a protein-vitamin paste. (In Russian.) Sovet. Zootekh. 7(7):92-94. July 1952. 49 So822

VETERINARY MEDICINE

14996 AITKEN, W. A. The responsibilities of a veterinarian. Vet. Sci. News 6(3):4-5. Oct.15,1952. 41.8 V6492

14997 AJELLO, P. Etiopathogenesis of unviolent traumatic wounds in veterinary surgery. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:53-71. Ref. 1951. 41.9 So17
English summary.

14998 AKÜN, R., and SCHULTE, F. Untersuchungen über die beeinflussung der kapselsubstanz des milzbrandbazillus durch hyaluronidase. Deut. Tierärztl. Wchnschr. 59:337-339. Ref. Nov.15,1952. 41.8 D482

14999 ALEXANDER, R. A. Rabies in South Africa. So. African Vet. Med. Assoc. J. 23:135-139. Sept.1952. 41.8 So8

15000 AMMANN, K. Die chirurgischen nähte. Operationskurs für tierärzte und studierende. Zürich, Akademische Buchgenossenschaft,1951. 64 p. Ref. 41 Am62

15001 ANIMAL HEALTH TRUST. Fifth report, 1st July 1950—30th June 1951. London,1951? 4 v. 41.9 V644
Includes Canine, Equine, Farm Livestock and Poultry Sections.

15002 ANSORENA DE RIZZO, M. A., BERGUE, C. E. DE, and COLAK, M. Remisión de material para análisis bacteriológico, histopatológico y parasitológico. Argentina. Min. de Agr. y Ganad. Almanaque 26/27: 401-408. 1951/52. 9 Ag874
For diagnosis of livestock diseases.

15003 ATIENZA, T. Técnicas operatorias de las hernias. Col. Prov. de Vet. de Burgos. B. 66:7-13. Aug. 1952. 41.9 B91

15004 BAGEDDA, G., and FAUSTINI, R. Placental filter and antibiotics researches on the concentration of C. A. F. (cloramphenicol) in the placentome, in liquids and in ovular tissues. (In Italian.) Zootec. e Vet. 7:222-229. June/July 1952. 41.8 Z7

15005 BAILEY, J. W. Use your watch and a thermometer. Guernsey Breeders' J. [Peterborough] 86:962, 965. Nov.15,1952. 43.8 G93
For observing pulse rate and temperature in sick animals.

15006 BALLESTEROS, E. La fiebre aftosa o glosopeda y el tratamiento de sus lesiones. Siembra [Madrid] 8(7):25-26. July 1952. 15 Si1

15007 BARBARO, A. D'A. The effect of some fat-soluble vitamins on the growth of the ciliate populations of rumen, in vitro. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:478-484. 1951. 41.9 So17
English summary.

15008 BARBOUR, D. S. Foot-and-mouth disease in Scotland. Scot. Agr. 32:81-83. Autumn 1952. 10 Sco82So

15009 BARKE, A. Die begriffe "selbstdispensieren" und "tierärztliches dispensierrecht." Deut. Tierärztl. Wchnschr. 59:324-325. Nov.1,1952. 41.8 D482

15010 BERTOCCHI, D. L'echinococcose en Sicile. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:264-270. 1951. 41.9 So17
French and German summaries.

15011 BARRON, H. T., and BURCH, G. R. A new general purpose lubricant. Vet. Med. 47:507-508,512. Dec.1952. 41.8 M69

15012 BAUMANN, R. Der zubau für das museum der Lehrkanzel für Pathologische Anatomie und Gerichtliche Tierheilkunde. Wien. Tierärztl. Monatsschr. 39:652-658. Nov.1952. 41.8 T345
Of the Tierärtzliche Hochschule.

15013 BELTRAN MONFERRER, J. M. El peligro de las pieles carbuncosas. B. de Divulg. Ganad. [Ciudad Real] 7(70/72):25-28. Apr./June 1952. 49.9 Sp14
In animals and man.

15014 BETTS, A. O. The susceptibility of man to the virus of foot-and-mouth disease. Vet. Rec. 64:640-641. Ref. Oct.25,1952. 41.8 V641

15015 BIOCCA, E., and MASSI, O. Preliminary results of the survey on the incidence of echinococcosis in Italy. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:262-264. 1951. 41.9 So17
English summary.

15016 BIOCCA, E., and MASSI, O. Problems of echinococcosis in Italy: observations and considerations. (In Italian.) Riv. di Parassitol. 13:235-240. July 1952. 436.8 R52
English summary.

15017 BLENDINGER, W. Ein neues, universal verwendbares kastrationsinstrument. Tierärztl. Umschau 7:428. Nov.1952. 41.8 T445

15018 BLOOD, B. D. La profesión médica veterinaria en las Américas: su proporción y distribución. Ofic. Sanit. Panamer. B. 33:391-393. Nov.1952. 449.9 P192B

15019 BOHL, E. H., and FERGUSON, L. C. Leptospirosis in domestic animals. Amer. Vet. Med. Assoc. J. 121:421-428. Ref. Dec.1952. 41.8 Am3

15020 BOLEY, L. E. Advances in large animal medicine. Vet. Sci. News 6(3):22-24. Oct.15,1952. 41.8 V6492

15021 BORRELLI, G. Unemployment and our professional activities. (In Italian.) Prog. Vet. 7:633-634, 636-638,672-674,676-678. Oct.1-15,1952. 41.8 P942

15022 BRAZ, M. B. Allergic pathergy in comparative pathology. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:30-34. Jan./Mar.1952. 41.8 R3215
French summary.

15023 BRAZ, M. B. Tests for diagnosis of oral allergization and identification of allergens. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:120-130. Apr./June 1952. 41.8 R3215
French summary.

15024 BRITISH VETERINARY ASSOCIATION. Seventieth annual congress, Harrogate, September 7th to 13th, 1952. Vet. Rec. 64:663-715,723-732,743-753,763-777. Nov.8-29,1952. 41.8 V641

15025 BROOME, A. E. Future expectation of radiology in large animals. Sowest. Vet. 6:42-45. Fall 1952. 41.8 So82

15026 BRYGOO, E. Action du bacille de Whitmore sur les hematies de differentes espèces animales. Inst. Pasteur. Ann. 83:413-415. Sept.1952. 448.3 An75
Includes domestic animals.

15027 CANO, D. Castración a vuelta o pulgar. In Colegio Oficial de Veterinarios de Granada. Divulgaciones ganaderas, p.91-107. Granada,1951. 40 C672

15028 CERVIO, P. Researches upon "Fragmentatio cordis" in slaughtered animals. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:201-204. Ref. 1951. 41.9 So17
English summary.

15029 CLARE, N. T. Photosensitization in diseases of domestic animals. Commonwealth Bur. Anim. Health. Rev. Ser. 3,58 p. Ref. 1952. 41.9 Im7

15030 CONFERENCE ON ANTHRAX, WASHINGTON, 1952. Proceedings. Washington,U. S. Bur. Anim. Indus., 1952. 64 p. 1.972 A2P949
U. S. Live Stock Sanitary Association, U. S. Bureau of Animal Industry, and other agencies participating.

15031 CROSS, R. F., and others. Five previously unreported parasites in the Hawaiian Islands. No. Amer. Vet. 33:849-850. Dec.1952. 41.8 N812
E. H. Willers, J. M. Gooch, and D. D. Bonnet, joint authors.

15032 CUZZONI, R. Bacitracin (its history--therapeutic properties - use in veterinary medicine). (In Italian.) (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:415-417. 1951. 41.9 So17
English summary.

15033 DALLING, SIR T. Foot-and-mouth vaccines. Discovery 13:314-317. Oct.1952. 472 D63

15034 DASQUE, G. Influences intrinsèques dans l'évolution des maladies infectieuses. Porc 23(8):33. Sept.1952. 46.8 P822

15035 DAVIDSON, J. L. Modern diarrhea therapy. J. Small Anim. Med. 1:51-57. Aug.1952. 41.8 J828

15036 DIANA, A. Research on the action of some antibiotics (streptomycin and penicillin) on Bacillus anthracis. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5: 445-450. 1951. 41.9 So17
English summary.

15037 EALES, C. E., and TURNER, A. W. Description of Clostridium botulinum type D recovered from soil in South Australia. Austral. J. Expt. Biol. & Med. Sci. 30:295-300. Ref. Aug.1952. 442.8 Au7
Toxic to livestock.

15038 EPSTEIN, B. Estudios con el microscopio electrónico de enfermedades animales. Uruguay. Min. de Ganad. y Agr. B. Inform. 426:11. July 31,1952. 9.9 G15B

15039 ERBIN, I. E. Les abattoirs et l'inspection des viandes en Turquie; les maladies contagieuses rencontrées sur les animaux abattus. Path. Gén. 52:472-475. July 1952. 448.8 R326

15040 FAUSTINI, R. Concentration of chloramphenicol in some domestic animals. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:438-445. 1951. 41.9 So17
English summary.

15041 FLIPO, J. Enclouage endo-medullaire des fractures chez les petits animaux. (Sum.) Canad. J. Compar. Med. 16:378-385. Ref. Nov.1952. 41.8 C162

15042 FLORESTANO, H. J., and BAHLER, M. E. A critical comparison of the antibacterial properties of commonly employed sulfonamides. Amer. Vet. Med. Assoc. J. 121:474-477. Ref. Dec.1952. 41.8 Am3

15043 FLÜCKIGER, G. Der verlauf und die bekämpfung der maul- und klauenseuche im jahre 1951/52 in den europäischen weststaateen. Schweiz. Bauer 106 (116):5-7. Oct.6,1952. 17 Sch95

15044 FONSECA, J. P. DA. The veterinary doctor in the modern army. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:35-51. Jan./Mar.1952. 41.8 R3215
French summary.

15045 FOURIE, P. J. J. Tuberculosis in man, an animal health problem. Onderstepoort J. Vet. Res. 25(3): 7-37. Ref. Mar.1952. 41.8 On1

15046 GALLINA, L. Cesarian section or embryotomy? (In Italian.) Prog. Vet. 7:658,660,662,664. Oct. 1,1952. 41.8 P942

15047 GALLINA, L. More on the use of estrogens. (In Italian.) Prog. Vet. 7:729-730,732. Nov.1,1952. 41.8 P942

15048 GALLUT, J. Recherches immunochimiques sur Vibrio foetus. I-II. Inst. Pasteur. Ann. 83:449-463. Ref. Oct.1952. 448.3 An75

15049 GARM, O., and SKJERVEN, O. Investigations on the cervical mucus for diagnosis of early pregnancy and endocrine changes in the reproductive organs in domestic animals. (In Norwegian.) Nord. Vetmed. 4:1098-1103. Nov.1952. 41.8 N813
English summary.

15050 GIUFFRIDA, S. Veterinary progress. (In Italian.) Prog. Vet. 7:640. Oct.1,1952. 41.8 P942

15051 GODINA, G. Observations on the development of the gliacells of the cerebral cortex. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:75-79. 1951. 41.9 So17
English summary.

15052 GODINA, G. Observations on the processes of histogenesis and differentiation of the neurons of the cerebral cortex with special regard to the development of the pyramidal cells. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:80-87. 1951. 41.9 So17
English summary.

15053 GOMEZ, O. J. El organismo animal y su contenido protéico. Cuba Ganad. 13(2):27-28. Oct.1952. 49 C89

15054 GONZALEZ CUBILLO, J. El diagnóstico de gestación en las hembras domésticas. Ceres [Valladolid] 17(195):27-28. Sept.1,1952. 15 C33

15055 GRILLO TORRADO, J. M., and GIACOSA, A. M. Antígeno para la prueba de fijación de complemento en rabia, obtenido a partir de "stock vacuna" antirrabica cloroformada. Rev. de Med. Vet. [Buenos Aires] 33:261-263. Oct./Dec.1951. 41.8 B86
English summary.

15056 GROLLET, L. Hommes et bêtes: la pathologie comparée. Cahiers Franç. d'Inform. 216:10-11. Nov.15,1952. 280.8 C11

15057 GRZIMEK, B. Ein franzose besiegte die tollwut. Übersicht 3(7):50-56. July 1952. 18 Ub3

15058 GÜNTHER, O. Bemerkungen und erläuterungen zu der arbeit von Lindenstruth: Erfahrungen mit dem kleinen ve- veterinärbesteck zur serologischen salmonella- diagnostik nach Dr. O. Günther in jahrgang 2 (1951), S. 169, dieser zeitschrift. Lebensmitteltierarzt 3:83. Sept.1952. 41.8 L49

15059 HAIG, D. A. Note on the use of the white mouse for the transport of strains of heartwater. So. African Vet. Med. Assoc. J. 23:167-170. Sept.1952. 41.8 So8

15060 HEINSOHN DE BRIGARD, J. Virus aftosos colombianos. Colombia. U. Nac. Facul. de Med. Vet. y de Zootec. 20(104):5-39. 1952. 41.8 R3214

15061 HENNINGER, W. Die veterinärmedizin in den Vereinigten Staaten von Amerika. Berlin. u. Münch. Tierärztl. Wchnschr. 65:233-235. Nov.1952. 41.8 B45

15062 HUDDLESON, I. F., and others. Studies in brucellosis. III. Mich. Agr. Expt. Sta. Mem. 6,114 p. Ref. Jan.1952. 100 M58S
1 1, The dissociation pattern in the species of the genus Brucella, by I. F. Huddleson; 2, The characteristics and dissociation pattern of type G (microcolony type) of Brucella abortus, by I. F. Huddleson and B. Baltzer; 3, The antigenic properties of several colonial types of the smooth, rough and mucoid growth forms of the genus Brucella, by J. Warner and I. F. Huddleson; 4, Differentiation of bacterial species and variations within species by means of tetrazolium salts, by I. F. Huddleson; 5, Study of the Brucella growth-inhibiting factor in bovine serum and colostrum, by M. A. Richardson and I. F. Huddleson.

15063 ILLINOIS. AGRICULTURAL EXPERIMENT STATION. DEPT. OF VETERINARY RESEARCH. Microscopic diagnosis of parasitism in domestic animals. Ill. Agr. Expt. Sta. C. 698,135 p. Ref. Aug.1952. 275.29 IL62Gr

15064 KARSTEN. Einsendung von untersuchungsmaterial. Hannoversche Land- u. Forstwirt. Ztg. 105: 398-399. Apr.19,1952. 18 H194
For animal disease diagnosis.

15065 KAWEH, M. Les brucelloses animales en Iran. (Sum.) Téhéran. Facul. de Méd. Vét. Rev. 13:3. 1952. 41.9 T23

15066 KLENNER, W. Die verbreitung parasitärer tierkrankheiten in Bremen und im Kreise Verden. Giessen,1951. 36 p. 436 K674

15067 KOCH, C. R. How good are hormones? Farm Q. 7(4):44-47,76-78. Winter 1952. 6 F22995
Effectiveness of hormones in reproductive disorders of livestock.

15068 KOCH, P. Neue erkenntnisse auf dem gebiete der erbpathologie. Fortpflanzung u. Besamung der Haustiere 2:65-68. Sept.15,1952. 41.8 F773

15069 KOCH, W., and DOUWE, F. VAN. Das "einbrechen" der beckenbänder. Berlin. u. Münch. Tierärztl. Wchnschr. 65:228-229. Nov.1952. 41.8 B45

15070 LOCKHART, G. P. Investigacion y nuevos productos en medicina veterinaria. Vet. Uruguay 1:3-7. June 1952. 41.8 V6495

15071 LOCKHART, G. P. La lucha contra la fiebre aftosa. Rev. Ganad. [Habana] 12(11):16-18,62-64. Nov. 1952. 49 R321

15072 LUMB, W. V. The perineal stand. Sowest. Vet. 6:49. Fall 1952. 41.8 So82

15073 MACGREGOR, R. The structure of the meat animals; a guide to their anatomy and physiology. London,Tech. Press,1952. 238 p. 444 M17

15074 MAÏBORODA, A. A. Experiments in treatment of brucellosis with an inactivated and living vaccine. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:18-25. Ref. 1951. 41.9 K522

15075 MALININ, K. Winter preventive measures [against diseases] on [livestock] farms. (In Russian.) Kolkhoz. Proizvodstvo 12(10):32-33. Oct.1952. 281.8 K83

15076 MANTEUFFEL, R. VON. Geschichte der tuberkulinreaktionen in der veterinärmedizin; thermische und örtliche reaktionen, gegenseitige beeinflussung. Giessen,1951. 47 p. Ref. 41.2 M313
Inaug.-Diss. - Giessen.

15077 MARTINI, I. The leading exponents of the new regulation of veterinary inspection. (In Italian.) Prog. Vet. 7:654,656,658. Oct.1,1952. 41.8 P942

15078 MASSON, M. J., and others. Galvanotropic fractionation of rumen ciliates. Roy. Micros. Soc. J. (ser.3)72:67-69. Jan.1952. 440.9 R81J
A. Iggo, R. S. Reid, and G. F. Mann, joint authors.

15079 MAYER, H. F., ALVAREZ LOTTERO, A., and FERNANDEZ, O. Encuesta serológica sobre infección brucélica en el Chaco. Ofic. Sanit. Panamer. B. 33:384-390. Nov.1952. 449.9 P192B
English summary.
In man.

15080 MERRITT, W. E. Fixation of the patella in cases of medial luxation. Sowest. Vet. 6:31. Fall 1952. 41.8 So82

15081 MEYER, H. G. Die hormonale trächtigkeitsdiagnose bei den haustieren mit dem grünen wasserfrosch; eine literaturübersicht und praktische versuche. Giessen,1951. 57 p. Ref. 41.2 M5737
Inaug.-Diss. - Giessen.

15082 MICHELSEN, E. On the immunity due to foot-and-mouth disease vaccine. (In Danish.) Tolvmandsbladet 24:257-259. Oct.1952. 11 T58

15083 MINCHEV, P. Veterinarno akusherstvo i ginekologiîa [Veterinary obstetrics and gynecology] v. 1, red. A. Prokopanov. Sofiia,1951. 236 p. (Universitetska Literatura) 41 M665

15084 MORETTI, B. Pathology of the cardiac rhythm in domestic animals. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:17-51. Ref. 1951. 41.9 So17
English summary.

15085 MURA, D., and CONTINI, A. Immunoreactions for inoculations of anti-pasteurella bacteria devitalized by antibiotics. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:285-292. Ref. 1951. 41.9 So17
English summary.

15086 NAI, D. D. The Direction General of the Veterinary Service. (In Italian.) Prog. Vet. 7:705-706, 708-709. Nov.1,1952. 41.8 P942

15087 NALBANDOV, A. V. Hormones—what they will and won't do for livestock. Successful Farming 50(11):31, 58-59. Nov.1952. 6 Su12

15088 NARANJO BATMALE, F. La glosopeda en nuestra provincia. B. de Divulg. Ganad. [Ciudad Real] 7(70/72):29-30. Apr./June 1952. 49.9 Sp14

15089 NICOLAS, E., and BRION, A. Vade-mecum du vétérinaire. Formulaire vétérinaire de pharmacologie, de thérapeutique et d'hygiène. Ed. 9, rev. and enl. Paris,Vigot,1952. 842 p. 41 N544

15090 NORTHERN RHODESIA. DEPT. OF VETERINARY SERV. Annual report for year 1951. Lusaka,1952. 24 p. 41.9 N816

15091 PALLASKE, G. Zur ausscheidungsfrage der fleischfressertuberkulose (beitrag zur gegenseitsbeziehung zwischen tuberkulose von mensch und tier). Deut. Tierärztl. Wchnschr. 59:314,341-343. Oct.15,Nov. 15,1952. 41.8 D482

15092 PARAMONOV, A. A. Paraziticheskie chervi (gel'minty) zhivotnykh i rasteniĭ i bor'ba s nimi [Parasitic worms (helminths) of animals and plants and their control]. Moskva,Moskovskoe Obshchestvo Ispytateleĭ Prirody,1952. 111 p. (Moskovskoe Obshchestvo Ispytateleĭ Prirody. Sredi Prirody 45) 436 P212

15093 PATRIZI, F., and MASSI, O. Results of bacteriological examinations on different muscular groups. (In Italian.) Soc. Ital. delle Sci. Vet. Attl. 5:247-250. 1951. 41.9 So17
English summary.
Livestock.

15094 PELLEGRINI, D. Present aspects of the prophylaxis of hydatidosis. (In Italian.) Prog. Vet. 7:694-696,698,700-702. Oct.15,1952. 41.8 P942

15095 PICKARD, J. R. Let's unite to eradicate brucellosis. Agr. Leaders' Digest 34(9):10-12. Oct.1952. 275.28 Am3

15096 PLUM, N. Cultivation of bovine and avian tubercle bacilli on media containing iso-nicotinic acid hydracide. Nord. Vetmed. 4:1090-1092. Nov.1952. 41.8 N813

15097 PRITCHARD, W. R. Toxic hazards of pesticides to livestock. Vet. Sci. News 6(3):11-17. Ref. Oct. 15,1952. 41.8 V6492

15098 QUESADA, A., and ALTIERI, M. Research on Fermi's anti-rabies vaccine. I-II. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:304-313. 1951. 41.9 So17
English summary.

15099 RAFYI, A. Les vaccins associés en médecine vétérinaire. (Sum.) Téhéran. Facul. Vét. Rev. 13:2. 1952. 41.9 T23

15100 RILEY, W. F., JR. Surgical shortcuts in farm practice. Sowest. Vet. 6:25-29. Fall 1952. 41.8 So82

15101 RODRIGUEZ GARCIA, J. A. Los lombrididas: cuáles y como deben emplearse en la lucha contra los parásitos. Uruguay. Min. de Ganad. y Agr. B. Inform. 431:13. (Cont.) Sept.4,1952. 9.9 G15B
Control of helminthiasis in livestock.

15102 ROEMMELE. Trichloräthylen—ein ebenso billiges wie sicher wirkendes schnelldesinfektionsmittel und narkotikum für den praktizierenden tierarzt. Tierärztl. Umschau 7:419-421. Ref. Nov.1952. 41.8 T445

15103 ROGERS, A. Animal disease and health. Amer. Hereford J. 43(14):58-60,62-63. Nov.15,1952. 43.8 Am32

15104 ROLLE, M., and MAYR, A. Koniferenöle als desinfektionsmittel gegen tuberkulose. Monatsh. f. Prakt. Tierheilk. 4:421-432. 1952. 41.8 M74

15105 ROMANELLI, V. Observations and considerations on the stem cells of bone marrow in domestic animals (synthetic note). (In Italian.) Soc. Ital. delle Sci. Vet. Attl. 5:88-91. 1951. 41.9 So17
English summary.

15106 ROSATI, T., and BADIALI, L. Observations on the virulence of fixed rabies virus injected subcutaneously when added to dog saliva and to hyaluronidase. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:293-300. Ref. 1951. 41.9 So17
English summary.

15107 ROWLANDS, W. T. The world food problem and the veterinary profession. Soc. Dairy Technol. J. 5:293-298. Oct.1952. 44.8 So12
Includes discussion.
Livestock disease control.

15108 RUIZ CASTAÑEDA, M. Algunos problemas en relacion con la brucelosis. Ofic. Sanit. Panamer. B. 33: 377-383. Nov.1952. 449.9 P192B

15109 RUIZ MARTINEZ, C. Bajo el signo de la aftosa—la danza de las variantes. Inst. de la Fiebre Aftosa. B. Inform. 14:9-18. July 1952. 41.9 C172

15110 RUIZ MARTINEZ, C. Les maladies infectieuses du bétail au Venezuela. Off. Internatl. des Epiz. B. 37:530-535. Sept./Oct.1952. 41.8 Of2

15111 SAMPSON, J. Carbohydrate metabolism and the stress diseases. Vet. Sci. News 6(3):18-21. Oct.15, 1952. 41.8 V6492

15112 SANTA-OLALLA PEREZ, M. F. Ganadería.-ganado de trabajo. Enfermedades: glosopeda, viruela y peste porcina. In Colegio Oficial de Veterinarios de Granada.Divulgaciones ganaderas, p.121-135. Granada, 1951. 40 C672

15113 SAXER, E., and VONARBURG, H. Weitere untersuchungen am tuberkelbazillus; gleichzeitig ein beitrag zur typendifferenzierung. Schweiz. Z. f. Allg. Path. u. Bakt. 15:474-478. 1952. 448.8 Sch9
Includes bovine tuberculosis.

15114 SCHEUNEMANN, H. "Auresan"—ein ohrenzwangmittel. Tierärztl. Umschau 7:426-428. Nov.1952. 41.8 T445

15115 SCHOPFLOCHER, R. Servicio veterinario de emergencia. Chacra 23(264):18-19. Nov.1952. 9 C34
Argentina.

15116 SCHROEDER, C. R. Disease prevention in animals. Flour & Feed 53(7):34. Dec.1952. 298.8 F66

15117 SEETHARAMAN, C., and DATT, N. S. Frequency of occurrence of different strains of foot-and-mouth disease virus in India. Indian J. Vet. Sci. & Anim. Husb. 21:251-255. Ref. Dec.1951,pub.1952. 41.8 In22

15118 SINHA, S. S. Endocrine glands. Bihar Agr. Col. Mag. 3:22-26. Feb.1952. 107.5 B482
In animals.

15119 SKJERVEN, O. Synthetic estrogens in veterinary medicine. IV. Synthetic estrogens in pathological conditions of uterus. (In Norwegian.) Nord. Vetmed. 4: 1104-1112. Ref. Nov.1952. 41.8 N813
English summary.

15120 SLAVIN, G. "Q" fever: the domestic animal as a source of infection for man. Vet. Rec. 64:743-753. Ref. Nov.22,1952. 41.8 V641
In Great Britain.
Includes discussion.

15121 SORIA, G. E. Normas prácticas para la vacunación de animales. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:325-328. 1951/52. 9 Ag874

15122 STARR, L. E. A graphic view of rabies in Georgia. Ga. Vet. 4(5):13-14. Sept./Oct.1952. 41.8 G29

15123 TODD, F. A. Progress in veterinary civil defense. Vet. Sci. News 6(3):6-10. Oct.15,1952. 41.8 V6492
Biological warfare.

15124 TZORTZAKIS, N. D. Necrobacilloses et sulphonamides. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B 5:37-40. Jan./Mar.1952. 41.9 So18
French summary.

15125 U. S. AGRICULTURAL RESEARCH ADMIN. Defense against biological warfare on farm animals and crops. Washington,1952. 4 p. 1.98 D36

15126 VAN DRIMMELEN, G. C. Brucella abortus strain 19 vaccine more readily available. So. African Vet. Med. Assoc. J. 23:149-150. Sept.1952. 41.8 So8

15127 VAN RENSBURG, S. W. J. The march of veterinary science in South Africa. So. African Vet. Med Assoc. J. 23:127-133. Sept.1952. 41.8 So8

15128 VERA, V. R. DE. Los quistes renales en los animales de abasto. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:350-352. 1951/52. 9 Ag874

15129 VERGE, J., DEPARIS, M., and ANTOINE, B. Epidemiologie des brucelloses. Presse Med. 60:1338-1341. Ref. Oct.8,1952. 448.8 P92

15130 VIVES SABATER, J. El problema epidemiológico de la rabia en Barcelona desde 1911 a 1948. Rev. Ibérica de Parasitol. 12:111-203. (Cont.) Ref. Apr.1952. 436.8 R32

15131 VUILLAUME, R. Les récentes modifications a la liste des substances vénéneuses. Rec. de Med. Vét. 128:206-218. Apr.1952. 41.8 R24
Toxic to livestock.

15132 WEIDENMÜLLER, H. Zur laboratoriumsdiagnose des milzbrandes. Tierärztl. Umschau 7:409-411. Ref. Nov.1952. 41.8 T445

15133 WESTERLUND, A. Rumen physiology. (In Swedish.) Ladugården 9:263-265. Sept.1952. 44.8 L12

15134 WILKINS, H. F. More research—disease problems demand study. West. Livestock J. 30(58):192-195. Oct.15,1952. 6 F2278
Livestock diseases.

15135 WILLIS, T. E., and WECKERLY, L. An automatic means of controlled respiration for open thoracic surgery. No. Amer. Vet. 33:870-872. Dec.1952. 41.8 N812

15136 WORTON, H. Veterinary public health. Canad. J. Compar. Med. 16:394-398. Nov.1952. 41.8 C162
Canada.

MISCELLANEOUS

15137 ABRAHAMS, M. 54th American Royal Show. Natl. Live Stock Prod. 31(2):8,19. Dec.1952. 280.38 N21

15138 ALONSO MOLINA, R. Mejora ganadera en el Marquesado. In Colegio Oficial de Veterinarios de Granada. Divulgaciones ganaderas, p.101-107. Granada, 1951. 40 C672

15139 BALEARIC ISLANDS. INSTITUTO PROVINCIAL DE BIOLOGIA ANIMAL. Memoria, año 1951. Palma,1952. 65 p. 442.9 P18

15140 BOGOLÍUBSKIĬ, S. I. From the history of Russian zootechnical science (18—first half of 19th century). (In Russian.) Sovet. Zootekh. 7(7):72-84. July 1952. 49 So822

15141 COLEGIO OFICIAL DE VETERINARIOS DE GRANADA. Divulgaciones ganaderas. Granada,1951. 164 p. (Its Publicaciones) 40 C672

15142 ERITSIAN, A. Scientific workers [of the Armenian Agricultural Institute] are assisting a collective farm in the development of livestock. (In Russian.) Kolkhoz. Proizvodstvo 12(10):36-37. Oct.1952. 281.8 K83

15143 FELÚ, S. Cada raza en su ambiente. Chacra 23(264):26. Nov.1952. 9 C34

15144 FETHERS, G. Studies in animal behaviour. Past. Rev. 62:941-942. Sept.16,1952. 23 Au75

15145 FLORES, D. G. Livestock farming. Agr. & Indus. Life 14(9):4-5,46. Sept.1952. 25 Ag8

15146 FROLICH, A., and KIHLÉN, G. The laboratories of the new building [of the State Livestock Research Institute]. (In Swedish.) Lantmannen 36:931-932. Nov. 15,1952. 11 L234

15147 GAY, C. W. Question of showing by colleges. Shorthorn World 37(17):31-34. Nov.25,1952. 43.8 Sh8

15148 GRAHN, B. Livestock research in Norrland. (In Swedish.) Lantmannen 36:936,939. Nov.15,1952. 11 L234

15149 GRANELL FUERTES, F. Bosquejo sobre la ganadería alpujarreña. In Colegio Oficial de Veterinarios de Granada.Divulgaciones ganaderas, p.137-143. Granada,1951. 40 C672

15150 HELLBERG, A. Livestock experiments at Alnarp. (In Swedish.) Lantmannen 36:933-934,936. Nov. 15,1952. 11 L234

15151 JANER, C. O. The State Livestock Research Institute in a new building. (In Swedish.) Lantmannen 36: 921-922. Nov.15,1952. 11 L234

15152 JELINEK, V. Guaranteeing livestock protection. (In Czech.) Za Socialist. Zemédél. 2:532-538. May 1952. 19.5 Z1
Protection of livestock in the fields.

15153 JESPERSEN, J. Development of animal husbandry in Denmark during 50 years. 2. (In Danish.) Tidsskr. f. Landøkon. 11:441-465. Nov.1952. 11 T43

15154 KESTEVEN, K. V. L. The activities of the Food and Agriculture Organisation of the United Nations in matters of animal husbandry and the control of diseases of livestock. Vet. Rec. 64:677-681. Nov.8,1952. 41.8 V641

15155 KOCH, A. Organisation und aufgabenbereich der Bundesforschungsanstalt für Kleintierzucht (BFAK) in Celle. Deut. Pelztierzüchter 26:141-143. Aug.25,1952. 412.628 D48

15156 KORKHAUS, R. Tierschutz-taschenbuch. Ed. 5, rev. and enl. Hannover,Schaper,1951. 183 p. 40 K842

15157 LADRAT, J. Les animaux au 61e Concours Général Agricole de Paris. Rev. de Méd. Vét. [Toulouse] 103:356-365. June 1952. 41.8 R32

15158 MCMEEKAN, C. P. Ruakura Animal Research Station [New Zealand]. Brit. Agr. B. 5:195-207. Nov. 1952. 10 B776

15159 NIKOLAEV, N. N. Reindeer Farming Combine in the Extreme North. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):49-52. Jan./Feb.1952. 49 K14

15160 OLSSON, N. Horses, sheep, poultry and fur animals. (In Swedish.) Lantmannen 36:925-926. Nov.15, 1952. 11 L234

15161 OLSSON, N. Swedish livestock experiments during 50 years. (In Swedish.) Lantmannen 36:919-920. Nov.15,1952. 11 L234

15162 PEYRONNET, R. L'oeuvre des syndicats d'elevage. Organisation du Service de l'Elevage et les syndicats d'elevage. Soc. des Agr. d'Algerie. B. 96:145-151. 1951/52. 24 So1

15163 POTVIN, B. L'exposition régionale de Québec. Ferme 14:18,50-51. Sept.1952. 7 F38
Livestock.

15164 TASSI, L. Present situation as to meat consumption in Florence and the need for reform in our slaughtering establishments. (In Italian.) Zooprofilassi 7:310-315. July 1952. 41.8 Z72
Italy.

15165 WALKER, J. F. Consider the livestock man. Sheep Breeder 72(12):10,12,52,54,56,58. Dec.1952. 45.8 Am31

15166 WALTON, L. Poultry, cattle, sheep fit into program of Black Belt Branch Station. Miss. Farm Res. [Miss. Sta.] 15(9):3. Sept.1952. 100 M69Mi
Research program at the Station.

15167 ZAVADSKIJ, V. A. Livestock raising in the Peoples Republic of Bulgaria. (In Czech.) Za Socialist. Zemédél. 1,1.e.2:93-96. Jan.1952. 19.5 Z1

CATTLE

Breeds and Breeding

15168 AAMDAL, J. Effect of dilution and storage on the viability of semen. (In Norwegian.) Norsk Landbr. 18:427-429. Nov.21,1952. 11 N8122
Cattle.

15169 AEHNELT, E. Verdünnungstemperatur und nachverdünnung beim bullensperma. Fortpflanzung u. Besamung der Haustiere 2:53-55. July 15,1952. 41.8 F773

15170 ALLIX, J. De quelques mesures fondamentales d'amélioration du cheptel. Cahiers Franç. d'Inform. 215:6-12. Nov.1,1952. 280.8 C11
Cattle.

15171 AVELSFÖRENINGEN FÖR FINSK BOSKAP. Report on the activities of the Society for the Breeding of Finnish Cattle during the year 1951. (In Swedish.) Finsk Boskap 6:8-12. Apr.1952. 43.8 F492

15172 BARKER, C. M. British breeds of livestock. XVI. The British Friesian. Brit. Agr. B. 5:235-241. Nov.1952. 10 B776

15173 BEATTIE, W. A. The management of cattle stations. XI. Cattle breeding. Past. Rev. 62:940-941. Sept.16,1952. 23 Au75

15174 BECK, C. T. The Galloway breed. New Zeal. Studmasters' Annu. Rev. 4:41-43. 1952. 49.7 N48

15175 BECKER, A. Das höhenfleckvieh auf der 2. Landwirtschafts- und Gartenbauausstellung der DDR. Deut. Landwirt. 3:597-601. Nov.1952. 18 D4822

15176 BECKER, R. B., and ARNOLD, P. T. D. What happens to those good bulls? Hoard's Dairyman 97:946-947. Nov.25,1952. 44.8 H65
Causes for loss from artificial service.

15177 BERRY, J. C. Line breeding and how it works. County Guide 71(11):12,70. Nov.1952. 7 G76
Cattle breeding.

15178 BONADONNA, T. Cattle breeding in Italy. (In Italian.) Zootec. e Vet. 7:344-353. Sept.1952. 41.8 Z7

15179 BONIFACE, L. The Milking Shorthorn breed. New Zeal. Studmasters' Annu. Rev. 4:136-140. 1952. 49.7 N48

15180 BRADFORD, C. R., and BRADFORD, M. Angus on the Plains. Sowest. Crop & Stock. 6(10):40-41, 78. Oct.1952. 6 So8942

15181 BRANTON, C., ARENSBOURG, G. D', and JOHNSTON, J. E. Semen production, fructose content of semen and fertility of dairy bulls as related to sexual excitement. J. Dairy Sci. 35:801-807. Ref. Oct.1952. 44.8 J822

15182 BRITISH KERRY CATTLE SOCIETY. Herd book, v. 52, 1951. Stanmore Hill,1952? 91 p. 43.9 B77

15183 BROWN, B. All purebreds in 6 years. Breeder's Gaz. 117(12):9,15. Dec.1952. 49 B74
Cattle.

15184 BROWNE, P. Artificial breeding in Maine. New Eng. Homestead 125(22):12,14. Nov.22,1952. 6 N442
Dairy cattle.

15185 CALISTI, V., and QUACQUARINI, P. Research work on the fertilising power of cattle semen when treated with hyaluronidase. (In Italian.) Zootec. e Vet. 7:239-243. June/July 1952. 41.8 Z7

15186 CANADA. DEPT. OF AGRICULTURE. PRODUCTION SERV. Purebred dairy cattle, Holstein-Friesian; regulations, standards and records of cows qualified for certification 1949-50. Canad. Rec. Performance Purebred Dairy Cattle. Rpt. 42, 272 p. 43.9 C16

15187 CANADIAN SHORTHORN ASSOCIATION. The Canadian Shorthorn herd book, containing the pedigrees of Shorthorn cattle, imported and Canadian bred, v. 62, pt. 1. Guelph,1952. 388 p. 43.9 D71

15188 CEMBROWICZ, H. J. Fertility levels of bulls kept at an artificial insemination centre. J. Agr. Sci. 42: 323-334. Ref. Oct.1952. 10 J822

15189 CHRISTENSEN, H. G. The Jutland cattle would have disappeared without the hybridization. (In Danish.) Husmandshjemmet 2(36):8. Sept.9,1952. 11 H963
Crossbreeding of Black Pied Jutland and Friesian.

15190 COPELAND, L. Bulls through the years. Jersey B. 71:1648-1649,1737-1740. Nov.25,1952. 43.8 J48

15191 COPELAND, L. Eight breeding tools. Guernsey Breeders' J. [Peterborough] 86:898-899,954-955. Nov.15,1952. 43.8 G93

15192 CORLEY, E. L., BAYLEY, N. D., and HENDRICKSON, F. A. The fertility of interbreed vs. intrabreed matings as determined from artificial breeding data. J. Dairy Sci. 35:963-965. Nov.1952. 44.8 J822

15193 CUMING, C. A. Ayrshire cattle. New Zeal. Studmasters' Annu. Rev. 4:90-98. 1952. 49.7 N48

15194 CUMING, C. A. The Jersey breed. New Zeal. Studmasters' Annu. Rev. 4:74-87. 1952. 49.7 N48

15195 DAGAEV, M. M. Cattle breeding in the area of the Volga-Don Canal. (In Russian.) Sovet. Zootekh. 7(10):20-29. Oct.1952. 49 So822
Astrakhan X Shorthorn crossing.

15196 DIETRICH, J. P., and POU, J. W. Efficient breeding for dairy herds. Md. Agr. Col. Ext. Fact Sheet 61,2 p. Oct.1952. 275.29 M36Fa

15197 EMBLETON, I. The bull—is he half the herd? Jersey B. 71:1652,1733-1737. Nov.25,1952. 43.8 J48

15198 ERB, R. E., EHLERS, M. H., FLERCHINGER, F. H. Modified resazurin reduction test for estimating fertilizing capacity of bull semen. J. Dairy Sci. 35:881-888. Oct.1952. 44.8 J822

15199 EVANS, J. V. Aberdeen Angus. New Zeal. Studmasters' Annu. Rev. 4:26-32. 1952. 49.7 N48

15200 EVANS, J. V. Hereford cattle. New Zeal. Studmasters' Annu. Rev. 4:34-38. 1952. 49.7 N48

15201 EVANS, J. V. Shorthorn cattle. New Zeal. Studmasters' Annu. Rev. 4:38-40. 1952. 49.7 N48

15202 FECHHEIMER, N. S., LUDWICK, T. M., and ELY, F. A method for the intrauterine insemination of certain cows. J. Dairy Sci. 35:808-812. Oct.1952. 44.8 J822

15203 FENOGLIO, P. A. Chloramine as a cure for bovine sterility. (In Italian.) Prog. Vet. 7:732,734,736. Nov.1,1952. 41.8 P942

15204 FINLEY, C. B., and others. Thoughts on selecting a herd sire; observations from years of experience in the field. Guernsey Breeders' J. [Peterborough] 86:888-897. Nov.15,1952. 43.8 G93
A. W. Telfer, R. L. Holden, T. C. Main, J. M. Jeter, G. W. Chambers, J. Pendergast, A. M. MacKay, B. K. Bennett, joint authors.

15205 FISCHER, H. Stellungnahme zum artikel: II. Kongress für Physiologie und Pathologie der Tierischen Fortpflanzung und der Künstlichen Besamung. Tierzüchter 4:569-570. Nov.20,1952. 49 T445
Artificial insemination.
Reply by Dr. Winnigstedt, p. 570-572.

15206 FLIPSE, R. J., THACKER, D. L., and ALMQUIST, J. O. Effects of feeding large amounts of grass silage to dairy bulls on feed utilization, body measurements and semen quality. J. Dairy Sci. 35:949-956. Ref. Nov.1952. 44.8 J822

15207 FOLEY, L. K. Caution! Handle with care. Jersey B. 71:1655,1722-1724. Nov.25,1952. 43.8 J48
Bulls.

15208 FOSSUM, P. Technical insemination—its objective and its limitations. (In Norwegian.) Norsk Landbr. 18:404-407. Nov.7,1952. 11 N8122
Cattle.

15209 FULGENZI, U. N. The Umbrian regional show and sale of Chianina-Perugia cattle with especial regard to the production of Perugian meat-producing cattle. (In Italian.) Riv. di Zootec. 25:270-275. Sept.1952. 49 R52

15210 GASSNER, F. X., and others. Effect of castration and steroid therapy on seminal plasma with respect to fructose utilization by normal bull sperm. Soc. Expt. Biol. & Med. Proc. 81:43-49. Ref. Oct.1952. 442.9 So1
E. R. Rutherford, M. L. Hopwood, and H. J. Hill, joint authors.

15211 GASSNER, F. X., and HOPWOOD, M. L. Seminal amino acid and carbohydrate pattern of bulls with normal and abnormal testes function. Soc. Expt. Biol. & Med. Proc. 81:37-43. Ref. Oct.1952. 442.9 So1

15212 GDOVIN, T. Sterility of cattle and recent cures. (In Czech.) Za Socialist. Zemedel. 2:331-339. Mar.1952. 19.5 Z1

15213 GILMORE, L. O. What your calves may inherit. Hoard's Dairyman 97:929,954. Nov.25,1952. 44.8 H65

15214 GIULIANI, R. Breeding in pure lines and cross-breeding. (In Italian.) Riv. di Zootec. 25:245-250. Sept.1952. 49 R52
Cattle and swine.

15215 GLASSCOCK, R. S. The Hereford saga. Ranch & Farm World 4(6):18-19,31. Oct.1952. 6 R154

15216 GOLLBECK. Studienbericht über das thema "Tierärztliche fragen der künstlichen besamung und der bekämpfung der deckinfektionen"; (reise in die Schweiz v. 1.—8. 7. 52). Tierärztl. Umschau 7:431-432. Nov. 1952. 41.8 T445
Cattle.

15217 GORIO, G. Sterility of cattle and lack of mineral salts. (In Italian.) Zootec. e Vet. 7:230-238. June/July 1952. 41.8 Z7

15218 GREGORY, P. W., MEAD, S. W., and REGAN, W. M. A genetic analysis of prolonged gestation in cattle. Portugaliae Acta Biol. Sér. A 1949/51:861-882. Ref. 442.8 P83

15219 GRÜTER. Stammbullenschau des westfälischen rinderstammbuches 1952. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1826-1828. Nov.6,1952. 18 L2346

15220 HAAG. Stammbullenschau und elite-absatzveranstaltung der rheinischen rotbuntzucht. Landwirt. Z. der Nord-Rheinprov. 119:1112-1113. Oct.11,1952. 18 L2344

15221 HAHN, H. Die bullennachzuchtprämiierung und elitebullenanerkennung im jahre 1952 in Sachsen-Anhalt. Tierzucht 6:289-293. Sept.1952. 49 T443

15222 HAMBRUCH, P. Die künstliche besamung in Frankreich. Tierärztl. Umschau 7:421-422. Nov.1952. 41.8 T445
Cattle.

15223 HANSSON, A. Rearing dairy stock. II. Jersey Cow (n.s.)37:24,26-27,29-31. Autumn 1952. 43.9 En3J
In Sweden.

15224 HARING, F. Züchtungsziele der harzviehzucht. Deut. Landwirt. 3:431-440. Aug.1952. 18 D4822
Russian Zone.

15225 HIGHLAND CATTLE SOCIETY OF SCOTLAND. The Highland herd book, containing the pedigrees of Highland cattle, v. 29. Stirling,1952? 128 p. 43.9 H53

15226 HOFMANN, W. Über störungen in der fruchtbarkeit beim rind infolge fütterungsbedingter ursachen. Schweiz. Arch. f. Tierheilk. 94:712-723. Nov. 1952. 41.8 Sch9
English summary.

15227 HUNDT, H. Persönlichkeitseinsatz im dienste der allgemeinheit. Deut. Molk.-Ztg. 73:1268-1269. Oct.3,1952. 44.8 Su2
Artificial insemination of cattle.

15228 ISHIHARA, M., and others. Studies on the Japanese Polled breed of cattle. (In Japanese.) Chugoku-Shikoku Agr. Expt. Sta. B. Ser. B (Anim. Indus.) 2:245-292. Ref. July 1952. 107.6 T5752B
T. Okawa, H. Tsuchiya, S. Yoshida, T. Yoshida, and M. Yamauchi, joint authors.
English summary.

15229 ISHIHARA, M. Studies on the multiple births in Japanese breed of cattle. (In Japanese.) Chugoku-Shikoku Agr. Expt. Sta. B. Ser. B (Anim. Indus.) 2:315-334. Ref. July 1952. 107.6 T5752B
English summary.

15230 ISHII, S., and OKAMOTO, S. The effect of hotness on the spermatogenous function in bull. (In Japanese.) Kyushu Noji Shikenjo 9:81-82. Mar.1952. 107.6 K996

15231 ISHII, S., and OKAMOTO, S. Studies on the simple test of motility based on the cloudiness of bull semen. (In Japanese.) Kyushu Noji Shikenjo 9:79-80. Mar.1952. 107.6 K996

15232 JOHANSSON, F. Comments on the selection of bulls. (In Swedish.) Jönköpings Läns Hushsällsk. Handl. och Tidskr. 2:71-74. 1951,pub.1952. 11 J732

15233 JOHNSON, L. E., and AEGERTER, T. Are cattlemen interested in production tested sires? Shorthorn World 37(13):16-17,70-71. Sept.25,1952. 43.8 Sh8

15234 JÜRGENS, J. Untersuchungen zur konservierung von bullensperma. (Sum.) Giessen,1951. 36 p. Ref. 40 J97
Inaug.-Diss. - Giessen.

15235 KRASOTA, V. F., LOBANOV, V. T., and BABUSHKINA, V. A. Bestuzhevskiĭ skot [Bestuzhev cattle]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 190 p. Ref. 43 K862

15236 LAUBERT, W. Die künstliche besamung der Besamungsstation Grebenstein imjahre 1949. Giessen, 1951. 72 p. 40 L362
Inaug.-Diss.—Giessen.
Cattle.

15237 LINDSTRÖM, J. R. We have a lot to learn when it comes to artificial insemination. (In Norwegian.) Produsenten 20(9):11. Sept.1952. 11 P94
Cattle associations.

15238 LOHLE, K. Höhere befruchtungsergebnisse durch bessere hygiene auf den besamungsstationen. Tierzucht 6:294-297. Sept.1952. 49 T443

15239 LOI, P. Milk production and feed for the Jersey breed. (In Italian.) Prog. Vet. 7:666,668. Oct.1, 1952. 41.8 P942

15240 LONKA, T. Raising meat cattle in Finland. (In Swedish.) Finsk Boskap 6:4-5. Apr.1952. 43.8 F492

15241 MCARTHUR, A. T. G. Some sons of progeny-tested sires are duds. Dairy Farmer [Ipswich] 25(11): 23-24. Nov.1952. 44.8 D1414

15242 MCINTOSH, H. W. Do you believe that half the breeding goes down the throat? New Zeal. Dairy Exporter 28(3):41-42. Sept.1952. 44.8 N484
Importance of cattle breeding.

15243 MACMONNIES, W. Choosing a herd sire. Jersey B. 71:1653,1725-1730,1732-1733. Nov.25,1952. 43.8 J48

15244 MAGLIANO, A. The Piedmont cattle breed. (In Italian.) Gior. di Agr. 62:326. Oct.26,1952. 16 It1G

15245 MEACHEM, W. S. Tom Smith selects a herd sire. Jersey B. 71:1650-1651,1741-1744. Nov.25,1952. 43.8 J48

15246 MERCURI, S. Milk in the Agro Romano. (In Italian.) Gior. di Agr. 62:359. Nov.23,1952. 16 It1G
Production by different breeds of cattle.

15247 MOIR, R. M. Red Poll cattle. New Zeal. Studmasters' Annu. Rev. 4:89. 1952. 49.7 N48

15248 MONTMAGNY, C. DE. Le groupement bovin Pie Rouge de l'Est. Vie à la Campagne 41:381-382. Nov.1952. 80 V67

15249 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF DAIRYING. Progeny recorded bulls (semi-official) and register of merit, by I. W. Scott. Sydney,Pettifer,1952. 170 p. 43 N47P

15250 PRABHU, S. S., and BHATTACHARYA, P. Comparison of first and second ejaculates collected in rapid succession from the Indian water-buffalo Bos bubalis. Indian J. Vet. Sci. & Anim. Husb. 21:257-262. Ref. Dec.1951,pub.1952. 41.8 In22

15251 PROULX, J. R., and LECLERC, M. Canadian dairy cattle. Canad. Tractor Farming 34(2):4-5,22. 1952. 58.8 C162

15252 RAGSDALE, A. C. Care and health of the herd sire. Jersey B. 71:1654,1724-1725. Nov.25,1952. 43.8 J48

15253 ROPER, N. R. Friesian cattle. New Zeal. Studmasters' Annu. Rev. 4:98-132. 1952. 49.7 N48

15254 ROYAL GUERNSEY AGRICULTURAL AND HORTICULTURAL SOCIETY. The herd book of the bailiwick of Guernsey,v.LXII,1951. 137 p. 43.9 G93

15255 ROZZI, U. Selection of Brown Alpine bulls. (In Italian.) Avvenire Agr. 60:201-212. Aug.1952. 16 Av9

15256 SCHULTZE, A. B., and MAHLER, D. The effect of sodium arsenite on the respiration of bovine semen and the relation of this response to the fertilizing ability of semen. J. Dairy Sci. 35:906-909. Nov.1952. 44.8 J822

15257 SMIRNOV, I. V. Preservation of semen of breeding sires. (In Russian.) Sotsialist. Zhivotnovod. 14(5):76-77. May 1952. 49 So71
Cattle.

15258 SOBEK, V. Preventive measures as the main factor in eliminating sterility in cattle. (In Czech.) Za Socialist. Zeměděl. 2:937-941. Aug.1952. 19.5 Z1

15259 SOCIETA ITALIANA PER IL PROGRESSO DELLA ZOOTECNICA. Local cattle breeds of Northern Italy and their technical and economical signification. (In Italian.) Zootec. e Vet. 7:292-317. Aug.1952. 41.8 Z7

15260 SPITAL, H. Wie urteilen unsere rotbuntzüchter über die letzten rindviehschauen in Holland? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1779-1780. Oct.30,1952. 18 L2346

15261 STEWART, H. A. Breeding productive beef cattle. Amer. Hereford J. 43(14):54,56. Nov.15,1952. 43.8 Am32

15262 STRETTON, H. What are Lincoln Reds? Shorthorn News [Queenstown] 12:43,45,47. Sept.1952. 43.8 Sh86

15263 SUNSTRÖM, J. H. The economy of milk production. (In Swedish.) Ladugården 9:279-280. Sept. 1952. 44.8 L12
Calving intervals.

15264 SUVENVUO, K. Durability of breeding cattle. (In Swedish.) Finsk Boskap 6:5-6. Apr.1952. 43.8 F492

15265 UDICKI, A. On the possibilities of improvement of cattle breeding in Kikinda County. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):6-8. Aug. 1952. 21.5 V87

15266 U. S. BUR. OF DAIRY INDUSTRY. Alphabetical index of sires proved in Dairy-Herd Improvement Associations, 1946 to 1950, inclusive. U. S. Dairy Indus. BDIM-996a,102 p. Sept.1952. 1.9 D14Bd

15267 URIBE GRAJALES, P. Cómo se escogieron los reproductores para el servicio de inseminación artificial. Holstein Colomb. 6(43):7-10. July/Aug.1952. 43.8 H744
Cattle.

15268 VLACHOS, C. Le lait de vache comme diluent du sperme du taureau. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B 5:23-30. Ref. Jan./Mar.1952. 41.9 So18
French summary.

15269 WARDOJO, M. The existence of cattle breeding for the development of Indonesia. (In Indonesian.) Hemera Zoa 58:461-491. Aug.1951. 41.8 V51
English summary.

15270 WEISS, K. Spermaverdünnung mit milch. Wien. Tierärztl. Monatsschr. 39:668-672. Nov.1952. 41.8 T345

15271 WESTERHEIM, O. Reorganization of artificial insemination. (In Norwegian.) Buskap og Avdrått 3:11-15. 1952. 49 B96
Cattle.
Reply, by H. Skjervold, p. 15, 28.

15272 WHITCOMB, G. Brahman impact on cattle breeds. Sowest. Crop & Stock 6(10):110,113-114. Oct. 1952. 6 So8942

15273 WHITCOMB, G. Impact of the Brahman on beef production. West. Livestock J. 30(58):198-203. Oct. 15,1952. 6 F2278

15274 WIENER, G., and YAO, T. S. Growth of the pedigree Ayrshire cattle population in Great Britain. Empire J. Expt. Agr. 20:195-208. Ref. July 1952. 10 Em7

15275 WILLETT, E. L., and LARSON, G. L. Fertility of bull semen as influenced by dilution level, antibiotics, spermatozoan numbers and the interaction of these factors. J. Dairy Sci. 35:899-905. Ref. Nov.1952. 44.8 J822

15276 WILSON, J. G. Herd functional infertility, with reference to nutrition and mineral intake. Vet. Rec. 64:621-623. Oct.18,1952. 41.8 V641

Feeds and Feeding

15277 ABRAMS, J. T. The phosphorus requirements of dairy cattle. Gt. Brit. Min. Agr. Agriculture 59:363-367. Ref. Nov.1952. 10 G79J

15278 BAIRD, D. M. Beef yearlings tested on three types of winter pasture. Res. News [Ga. Sta.] 3(8):1,4. Oct.1952. 100 G29R

15279 BEYNON, V. H. Economics and the feeding of dairy cows. Dairyman 69:711-713. Dec.1952. 44.8 D1426
Costs.

15280 BEYNON, V. H. Some considerations on the feeding of dairy cows. Gt. Brit. Min. Agr. Agriculture 59:301-305. Oct.1952. 10 G79J

15281 BLOOM, S., and KNODT, C. B. The value of aureomycin and vitamin B_{12} in milk replacement formulas for dairy calves. J. Dairy Sci. 35:910-914. Ref. Nov.1952. 44.8 J822

15282 BLOSSER, T. H., and others. The use of large amounts of silage in the dairy ration. Wash. Agr. Expt. Sta. C. 202,6 p. Sept.1952. 100 W27S
G. W. Porter, R. E. Lintott, A. O. Shaw, and U. S. Ashworth, joint authors.

15283 BRÜGGEMANN, J., SCHOLE, J., and VOGEL, H. Beiträge zur frage der verwendung von masthilfsmitteln. 2. Uber den gehalt und verbleib von methylthiouracil im körper von rindern, welche unter verwendung dieses masthilfsmittels gemästet wurden. Landwirt. Jahrb. f. Bayern 29:511-522. Sept./Oct.1952. 18 L24

15284 BURBO, I. Fattening [beef] cattle with bagasse. (In Russian.) Mîasnaîa Indus. SSSR. 23(2):76-78. Mar./Apr.1952. 50.8 M58

15285 BUSEV, G. S., and UTKIN, V. P. Organizing the fattening of [beef] cattle on collective farms of Northern Caucasus and Povolzh'e. (In Russian.) Sotsialist. Zhivotnovod. 14(5):46-50. May 1952. 49 So71

15286 BYRNE, P. N. Rearing calves by dry feeding. So. Austral. Dept. Agr. J. 56:70-72. Sept.1952. 23 So84

15287 CARBONE, E. Influence of feeding cattle with various forages on cheese production. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):889-896. 1952. 388 C765Re
English summary.

15288 CRADDOCK, C. E. Beef from the bush. Country Guide 71(7):8,29. July 1952. 7 G76

15289 DODSWORTH, T. L., and CAMPBELL, W. H. M. Report on an experiment to compare the fattening values, for beef cattle, of silages made from grass cut at different stages of growth. J. Agr. Sci. 42:395-402. Oct.1952. 10 J822

15290 DRY LOT dairying: dairy cows in California may never see a pasture. They're stuffed with feed to produce milk. Farm Q. 7(4):56-58,105-109. Winter 1952. 6 F22995

15291 DUNLOP, G. Butterfat from the sea. Farmers Wk. [London] 37(21):59. Nov.21,1952. 10 F2226
Dried seaweed meal in the dairy ration.

15292 EATON, H. D., and MOORE, R. A. Utilization of artificially-dehydrated alfalfa by the young dairy calf. Feedstuffs 24(47,spec.alfalfa sect.):40a-42a. Nov.22, 1952. 286.81 F322

15293 ELAM, F. L. Change in feeding boosts production. Hoard's Dairyman 97:932. Nov.25,1952. 44.8 H65

15294 ELAM, F. L. Supplemental feeding; a sound practice. West. Livestock J. 30(58):60,140,143. Oct.15, 1952. 6 F2278
Pasturing cattle.

15295 EVANS, J. Corn cobs for cattle? Iowa Agr. 51(2):9,14-16. Oct.1952. 6 Io9

15296 FERRIN, E. F. Stop wasting cheap roughages. West. Livestock J. 30(58):45,64-67. Oct.15,1952. 6 F2278
Utilization as feed for cattle and sheep.

15297 FORD, R. G., and OTTOSON, H. W. How to choose a cattle feeding program. Colo. Rancher & Farmer 6(20):8,29. Oct.25,1952. 6 C714

15298 GRASHUIS, J. Feeding of dairy cattle in the winter months. (In Dutch.) Overijsselsch Landbbl. 34 (1676):7. Oct.16,1952. 12 Ov2

15299 GROENEWALD, J. W. Wheaten bran as phosphatic supplement. 27:432. Sept.1952. 24 So842
For cattle.

15300 GUERILLOT, J., and others. Influence du carotène alimentaire sur la teneur en provitamine et en vitamine A du lait de vache. Cong. Internaz. Indus. Agr. Relaz. 9(2):877-888. 1952. 388 C765Re
J. Guerillot-Vinet, L. Delmas, H. Wilczynska, J. Malterre, and J. Duranton, joint authors.
English summary.

15301 HANSON, D. Year-round grazing at the feed bunk. Successful Farming 50(12):45,92-94. Dec.1952. 6 Su12
Silage in a beef cattle feeding system.

15302 HOFFMAN, E. N., BOGART, R., and BURRIS, M. J. Corn, barley, and bonemeal for fattening cattle rations in the Snake River Valley, Oregon. Oreg. Agr. Expt. Sta. B. 528,19 p. Oct.1952. 100 Or3

15303 HOMB, T. Barn feeding this winter. (In Norwegian.) Norsk Landbr. 18:397-402. Nov.7,1952. 11 N8122
Cattle.

15304 HOULE, G. R. Vitamin E deficiency in beef calves. Amer. Vet. Med. Assoc. J. 121:485-487. Dec. 1952. 41.8 Am3

15305 HUGHES, C. E. Are beef cattle a gamble. Farm Q. 7(4):30-33,118-125. Winter 1952. 6 F22995
Feeding and feed costs and prices of beef cattle.

15306 TURMALIAT, A. P. In regard to standardization of dairy cattle feeding (From the practices of leaders in animal industry). (In Russian.) Sovet. Zootekh. 7(7):27-36. July 1952. 49 So822

15307 JONES, J. H. You can't cheat a steer, he responds to what he gets to eat. Farmer-Stockman 55(10): 15,52. Oct.1952. 6 F22127

15308 KEITH, T. B., JOHNSON, R. F., and LEHRER, W. P., JR. The optimum ratio of concentrate to alfalfa hay for fattening steers. Idaho. Agr. Expt. Sta. B. 290, 15 p. June 1952. 100 Id1

15309 KIRSCH, W., and SPLITTGERBER, H. Vollwertige ernährung der milchkühe; neuzeitliche fütterung nach menge und güte. Hamburg,Parey,1952. 113 p. 389.7 K63V

15310 KLOCHKO, I. M., and SOLOV'EV, S. V. Practices in developing a high producing herd of [dairy] cows. (In Russian.) Sovet. Zootekh. 7(7):63-71. July 1952. 49 So822
Chiefly on feeding.

15311 KOLLATH, W., and FINDEISEN, F. Optimale aufzucht von kälbern mit magermilch unter zugabe eines gemisches von wirkstoffen und mineralien, einschl. von spurenelementen, gen. "druna." Cong. Internaz. Indus. Agr. Relaz. 9(2):935-940. 1952. 388 C765Re

15312 KORDTS, E. Über die fütterung und haltung von zuchtbullen. Unser Milchvieh. 4(8):2. Aug.1952. 43.8 Un7

15313 KRUKOVSKY, V. N., and LOOSLI, J. K. Further studies on the influence of tocopherol supplementation on the vitamin content of the milk fat, stability of milk, and milk and fat production. J. Dairy Sci. 35: 834-838. Ref. Oct.1952. 44.8 J822

15314 KUZNETSOV, I. M., and MAGIDOV, G. A. Methods for evaluating the effectiveness of standard feed rations and standardizing the feeding of dairy cows. (In Russian.) Sovet. Zootekh. 7(7):16-26. July 1952. 49 So822

15315 LAMMERS, H. W. Individual feeding of cattle. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:315-316. Aug.1952. 12 N383M

15316 LANGEN, V. Die milchkuh in unseren zuckerrübenbetrieben. IV. Abmelkwirtschaft oder durchhaltewirtschaft? Landwirt. Z. der Nord-Rheinprov. 119:903. Aug.23,1952. 18 L2344
Feed requirements under the two systems.

15317 LOOKER, C. D. Cows need more salt. East. Feed Merchant 3(11):24. Nov.1952. 389.78 Ea7

15318 LOOSLI, J. K., TURK, K. L., and MORRISON, F. B. The value of distillers feeds for milk production. J. Dairy Sci. 35:868-873. Ref. Oct.1952. 44.8 J822

15319 LUITEN, J. W. Effect of pasture on fat content of milk. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:317-318. Aug.1952. 12 N383M

15320 MACGREGOR, H. D. Alimentación de vacas lecheras. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:254-255. 1951/52. 9 Ag874

15321 MAYMONE, B. Relation existing between the feeding of cattle, the composition of milk and the production of cheese products. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):831-850. Ref. 1952. 388 C765Re
English summary.

15322 MELIUKOV, A. N., and VESELOV, N. A. Utilization of seeded pastures. (In Russian.) Sotsialist. Zhivotnovod. 14(5):78-79. May 1952. 49 So71
Dairy cattle grazing.

15323 MERCIER, E. Influence de l'alimentation sur la reproduction des bovins laitiers. 1. Digeste de l'Eleveur 7(2):14-16. Oct.1952. 49 D56

15324 MEREGALLI, A. Importance of alpine pastures in livestock raising. (In Italian.) Riv. di Zootec. 25:264-266. Sept.1952. 49 R52
Cattle.

15325 MIHAJLOVIĆ, S. Artificial milk-feeding of calves. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(11):12-13. July 1952. 21.5 V87

15326 MILLER, J. I. Flexible program for feeding steers. Farm Res. [N. Y. State Sta.] 18(4):15. Oct.1952. 100 N48A

15327 MURLEY, W. R., JACOBSON, N. L., and ALLEN, R. S. The effect of aureomycin supplementation on growth and feed utilization of young dairy calves. J. Dairy Sci. 35:846-856. Ref. Oct.1952. 44.8 J822

15328 NELSON, A. B. Winter feeding and management. Shorthorn World 37(13):11-12,82-84. Sept.25,1952. 43.8 Sh8

15329 NEVILLE, W. Growth rate of calves affected by level of milk feeding. Res. News [Ga. Sta.] 3(8):2. Oct.1952. 100 G29R

15330 NEWTON, T. How a Nottinghamshire farmer feeds a pedigree herd of Ayrshire cows. Brit. Sugar Beet Rev. 21:37-38,48. Sept.1952. 66.8 B77

15331 OOSTHUIZEN, S. A. Bulky feed and concentrates in rations for dairy cows. Farming So. Africa 27:427-428. Sept.1952. 24 So842

15332 PAKHUCHIĬ, V. M. Feed rations for dairy cattle of the forest-steppe area in Ukrainian SSR. (In Russian.) Sovet. Zootekh. 7(7):36-50. July 1952. 49 So822

15333 PIERCE, J. B. Should I add vitamin A to my cattle ration this winter? Farm Q. 7(4):40-41,126-128. Winter 1952. 6 F22995

15334 PLANNING winter feeding of dairy cattle. (In Norwegian.) Buskap og Avdrått 3:16-17,19-22,31. 1952. 49 B96

15335 PODOL'SKIĬ, I. K. Inter-collective farm fattening of [beef] cattle [on pasture]. (In Russian.) Sotsialist. Zhivotnovod. 14(5):51-52. May 1952. 49 So71

15336 RECHKA, J. Scientific feeding of cattle. (In Czech.) Za Socialist. Zemedel. 2:303-318. Mar.1952. 19.5 Z1
Czechoslovakia.

15337 RIGOLI, A. Why isn't rapid weaning of calves practiced more? (In Italian.) Bianco Nero 5:21-22. May/Aug.1952. 43.8 B47

15338 SCHULZE-ALLENDORF. Auch milchkühe schätzen die abwechslung. Deut. Landwirt.-Gesell. Mitt. 67:751-753. Oct.16,1952. 18 N39

15339 SCURTI, J. Sulfonyl chloride for the preservation in the fresh state of forage legumes and for the production of quality milk. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):449-460. 1952. 388 C765Re
English summary.

15340 SENDA, H., and FUJINO, Y. On the vitamin C in storage of skim milk for the calf. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:129-131. Mar.1952. 107.6 H68
English summary.

15341 SERGEEV, IA. A. On the digestibility of various types of rations [in cattle]. (In Russian.) Sovet. Zootekh. 7(10):57-65. Oct.1952. 49 So822

15342 SHEEHY, E. J. Winter feeding of dairy cows. Agr. Ireland 9:249-251. Nov.1952. 10.5 Ag8

15343 SHOKAROVSKI, J. Correct and rational feeding of lactating cows as applied at the Faculty of Economics, Skopje. (In Serbo-Croatian.) Socijalisticko Zemjodelstvo 4(5):33-39. May 1952. 280.28 So7

15344 SIMON, G. Utilization of preharvest drop fruit; use of fruit for cattle. (In Flemish.) Cult. en Handel 18:598-599. Oct.1952. 80 C892

15345 SKORY, J., and HARTWIG, H. B. The quality of hay on some New York dairy farms. N. Y. (Cornell) Agr. Expt. Sta. Mem. 313,54 p. Ref. May 1952. 100 N48C

15346 SMITH, S. E. Salt studies with dairy cattle. Guernsey Breeders' J. [Peterborough] 86:875,880. Nov.15,1952. 43.8 G93

15347 SOLUN, A. S., DOMRACHEV, G. V., and ZAITSEV, V. I. On prevention of mineral and vitamin deficiencies in high producing cows. (In Russian.) Sovet. Zootekh. 7(7):51-62. July 1952. 49 So822

15348 SPANN, D. J. Über erstmaliges saugenlassen und erstmaliges melken nach dem kalben. Tierzüchter 4: 567-568. Nov.20,1952. 49 T445

15349 SPILLERS. ADVISORY DEPT. Spillers milk production book. London,1952? 28 p. 389.7 Sp42
Chiefly feeding of dairy cattle.

15350 SWANSON, E. W., and HERMAN, H. A. The digestibility of coarsely ground and finely ground alfalfa for dairy heifers. J. Anim. Sci. 11:688-692. Nov.1952. 49 J82

15351 TRIBE, D. E., GORDON, J. G., and GIMINGHAM, C. H. The nutritive value of weeds and coarse-herbage (browse) for young cattle grazing a temporary pasture. Empire J. Expt. Agr. 20:240-248. July 1952. 10 Em7

15352 TRIMBERGER, G. W. Is your herd sire properly fed? Jersey B. 71:1646-1647,1744-1746. Nov.25, 1952. 43.8 J48

15353 TURK, K. L. Forage preservation as it affects milk production. (Sum.) Holstein-Friesian World 49: 2599-2600. Nov.15,1952. 43.8 H742
Hay and silage.

15354 VEZZANI, V., CARBONE, E., and BARTOLINI, A. Research on the influence of ensiled forages on the production of Fontina and Bra cheese. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):869-876. 1952. 388 C765Re

15355 WEIGMANN, H. Erfahrungen über weidebeifütterung. Futter u. Fütterung 22:163. Sept.1952. 389.78 F98
Cattle.

15356 WILLEY, N. B., and others. The influence of level of fat and energy in the ration upon feedlot performance and carcass composition of fattening steers. J. Anim. Sci. 11:705-711. Ref. Nov.1952. 49 J82
J. K. Riggs, R. W. Colby, O. D. Butler, Jr., and R. Reiser, joint authors.

15357 ZHETVIN, D. Bagasse—a valuable feed for cattle. (In Russian.) Kolkhoz. Proizvodstvo 12(10):41-42. Oct.1952. 281.8 K83

Veterinary Medicine

15358 ACHER, R., CHAUVET, J., and FROMAGEOT, P. L'ordre d'enchaînement de quelques acides aminés dans la vasopressine de boeuf. Biochim. et Biophys. Acta 9:471-472. Ref. Oct.1952. 381 B522

15359 ANDRES, J. Über die kieferaktinomykose des rindes und über die aktinomykose im allgemeinen. Schweiz. Arch. f. Tierheilk. 94:694-712. Ref. Nov.1952. 41.8 Sch9
English summary.

15360 AZEVEDO, M. J. B. DE. Bovine spirochetosis in Portugal. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:1-5. Jan./Mar.1952. 41.8 R3215

15361 BAILEY, J. W. Get rid of Bang's or you'll lose your dairy market. Successful Farming 50(11):47,152-155. Nov.1952. 6 Su12

15362 BAILEY, J. W. How to trim hoofs. Successful Farming 50(12):60,62. Dec.1952. 6 Su12
Hoofs of cattle.

15363 BAILEY, J. W. Keep 'em healthy. Winter skin troubles. Amer. Hereford J. 43(15):62,64. Dec.1,1952. 43.8 Am32

15364 BALLANTYNE, E. E. Brucellosis control experiences in Alberta. Canad. Cattlemen 15(10):18-19, 22-23. Oct.1952. 49 C16

15365 BAUMGARTNER, G. Ein äusserlich erkennbares trächtigkeitsmerkmal beim rind. Tierärztl. Umschau 7:415-416. Nov.1952. 41.8 T445

15366 BELL, W. T. Lameness or fractures in cattle. Ga. Vet. 4(5):10. Sept./Oct.1952. 41.8 G29

15367 BELONJE, C. W. A. A disease of cattle associated with stomatitis and stiffness. So. African Vet. Med. Assoc. J. 23:141-147. Sept.1952. 41.8 So8

15368 BERTHELON, M. Essai de traitement de la brucellose bovine par la parabortine. Rev. de Méd. Vét. [Toulouse] 103:257-262. May 1952. 41.8 R32

15369 BERTHELON, M., and TOURNUT, J. Le granulome de Roeckl est il curable par la streptomycine? Rev. de Méd. Vét. [Toulouse] 103:321-325. June 1952. 41.8 R32
Cattle.

15370 BOLOTTI, O. Further researches about the histamine contents of secreta and organs of normal cattle (urine, pancreas, spleen, bronchial and mediastinal glands). (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5: 182-186. 1951. 41.9 So17
English summary.

15371 BORCHERT, A. Die trichomonadenseuche der rinder. II. Monatsh. f. Vetmed. 7:386-391. Ref. Oct.1, 1952. 41.8 M742

15372 BØRSTING, J. Control of mastitis. (In Danish.) Dansk Landbr. 71:587-588. Nov.27,1952. 280.28 V91

15373 BURDIN, M. L., and PLOWRIGHT, W. Comparison of the toxic effects of four trypanocidal substances for East African Zebu type of cattle. Vet. Rec. 64:635-639. Oct.25,1952. 41.8 V641

15374 CALISTI, V. Recherches histochimiques sur la sécrétion muqueuse du col de l'utérus de la vache. (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:146-148. 1951. 41.9 So17
Summaries also in Italian and German.

15375 CASAROSA, L. Injuries of a general character in young oxen (calves and aged calves) to be considered in the group with so-called "calf's green specks." (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:485-490. 1951. 41.9 So17
English summary.
Ascaris larvae suspected.

15376 CAZABAT, H. Bufothérapie du purpura hemorragique des bovins. Rec. de Med. Vet. 128:219-220. Apr.1952. 41.8 R24

15377 CELLA, F. Effects of the use of novocaine with vitamin B_1 in spinal anesthesia. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:142-146. 1951. 41.9 So17
English summary.
Tests with cattle and dogs.

15378 CHAMBERS, E. E. Some diseases of beef cattle. No. Amer. Vet. 33:858-860. Dec.1952. 41.8 N812

15379 CHANDA, R., CLAPHAM, H. M., and OWEN, E. C. The effect of thyrotrophin on the metabolism of carotenoids and vitamin A in the lactating cow. (Abs.) Biochem. J. 52:xvii-xviii. Dec.1952. 382 B52

15380 CHANDLER, R. L. Comparative tolerance of West African N'dama cattle to trypanosomiasis. Ann. Trop. Med. & Parasitol. 46:127-134. Sept.1952. 448.9 L75A

15381 CHINNIAH, G. S. Embryotomy of Siamese twins in a buffalo cow. Vet. Rec. 64:625. Oct.18,1952. 41.8 V641

15382 CLARA, I. Bovine influenza. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:423-427. 1951. 41.9 So17
English summary.

15383 CLYATT, B. M. Pseudo-rabies in cattle. Ga. Vet. 4(5):3-4. Sept./Oct.1952. 41.8 G29

15384 CORSICO, G. On case of cystic mammary fibriosis in the cow. (In Italian.) Zootec. e Vet. 7:354-361. Sept.1952. 41.8 Z7
English summary.

15385 DALE, D. G., and MOXLEY, J. E. Prenatal tendon contracture in a herd of Milking Shorthorns. Canad. J. Compar. Med. 16:399-404. Nov.1952. 41.8 C162

15386 DAVIS, L. R., BOWMAN, G. W., and PORTER, D. A. Portable pens compared with other enclosures for control of diseases of dairy calves. Vet. Med. 47:485-490,512. Ref. Dec.1952. 41.8 M69

15387 DIDKOVSKAÏA, M. K. Change in organisms and improving the metabolic functions in young cattle. (In Russian.) Sovet. Zootekh. 7(10):83-85. Oct.1952. 49 So822
Effect of feeding.

15388 DIETER. Fragen einer künftigen krankheitsbetrachtung unter besonderer berücksichtigung der tuberkulose des rindes. Deut. Tierärztl. Wchnschr. 59:305-310. Ref. Oct.15,1952. 41.8 D482

15389 DUARTE, A. T., and SOUSA, J. L. DE. Linguatuliasis in cattle in the Azores. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:14-29. Ref. Jan./Mar. 1952. 41.8 R3215
French summary.

15390 EDDS, G. T., HANCOCK, B. B., and KING, S. J. New therapy for greater production in the cattle industry. Amer. Vet. Med. Assoc. J. 121:446-452. Ref. Dec.1952. 41.8 Am3
Chiefly drugs.

15391 FACCINCANI, F. Contributions to the histopathologic study of hemorrhagic carbuncle ovaritis in cows. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:213-218. 1951. 41.9 So17
English summary.

15392 FEY, H. Isolierung eines colistammes vom typ 55:B5 aus boviner mastitis. Schweiz. Z. f. Allg. Path. u. Bakt. 15:444-448. Ref. 1952. 448.8 Sch9

15393 FIENNES, R. N. T. W. Trypanosome infections of cattle—diagnosis by blood examinations when parasites are rare. Vet. Rec. 64:733. Nov.15,1952. 41.8 V641

15394 FISCHER, E. Untersuchungen über die blutreserven des rindes. Quakenbrück,Kleinert,1951. 43 p. Ref. 444 F525
Inaug.-Diss. - Giessen.

15395 FONTANELLI, E., and MASSI, O. Chronic poisoning of cattle from Agrostemma githago. (In Italian.) Zooprofilassi 7:399-404,407-413. Ref. Sept.1952. 41.8 Z72
English summary.

15396 FUECHSEL, R. E. An approach to the problem of acute pulmonary emphysema in cattle. Norden News 27(10):7,15. Nov./Dec.1952. 41.8 N75

15397 GAGLIARDI, G. Serology in bovine trichomoniasis with particular reference to the complement-fixation test. (In Italian.) Zooprofilassi 7:349-362. Ref. Aug.1952. 41.8 Z72
English summary.

15398 GARDINAZZI, L. Exceptional anatomical and pathological findings in a cow dead from an acute hemorrhage. (In Italian.) Prog. Vet. 7:704. Oct.15,1952. 41.8 P942

15399 GARNER, R. J. Disturbances in carbohydrate metabolism in cattle associated with liver disease. J. Compar. Path. & Ther. 62:292-299. Ref. Oct.1952. 41.8 J82

15400 GARNER, R. J. Dye excretion tests in the detection of liver disease in cattle. J. Compar. Path. & Ther. 62:306-310. Oct.1952. 41.8 J82

15401 GARNER, R. J. Flocculation tests in the detection of liver disease in cattle. J. Compar. Path. & Ther. 62:300-305. Ref. Oct.1952. 41.8 J82

15402 GARNER, R. J. Serum alkaline phosphatase in cattle in health and disease. J. Compar. Path. & Ther. 62:287-291. Ref. Oct.1952. 41.8 J82

15403 GARNER, R. J. Variations in serum protein levels in cattle. J. Compar. Path. & Ther. 62:279-286. Ref. Oct.1952. 41.8 J82

15404 GAUL, J. G. Untersuchungen über die verbreitung der Bang-infektion und trichomonaden-infektion bei schlachtrindern unter besonderer berücksichtigung der eileiter. Giessen,1951. 19 p. Ref. 41.2 G234

15405 GEIGER, W. Beobachtungen über die entstehung des seuchenganges 1951 der MKS. Monatsh. f. Prakt. Tierheilk. 4:355-363. 1952. 41.8 M74
Germany.

15406 GENSICKE, G. Untersuchungen über das verhältnis der histopathologischen befunde im zentralnervensystem zur stärke der beobachteten klinischen erscheinungen beim bösartigen kartarrhalfieber des rindes in Rheinland-Pfalz. Giessen,1951. 36 p. 41.2 G284
Inaug.-Diss. - Giessen.

15407 GIANELLI, F. Contributions to the knowledge of pancreatic calculosis in cattle. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:218-224. Ref. 1951. 41.9 So17
English summary.

15408 GONZÁLEZ, F. M. La tuberculosis bovina en el hombre. Chacra 23(264):67. Nov.1952. 9 C34

15409 GOPALKRISHNAN, V. R. Some observations on the regional and seasonal incidence of bovine contagious pleuropneumonia in Assam. Indian J. Vet. Sci. & Anim. Husb. 21:245-250. Dec.1951,pub.1952. 41.8 In22

15410 GORIAINOVA, Z. S. Motor reflex reaction of the rumen to various external factors. (In Russian.) Sovet. Zootekh. 7(10):66-82. Oct.1952. 49 So822
Diagnosis of diseases in cattle.

15411 GORIO, G. On the case of perianal neoplasia in a cow. (In Italian.) Zootec. e Vet. 7:244-247. June/July 1952. 41.8 Z7

15412 GÖTZE, R. Gutachten über eine besamungsinfektion bei einer hochtragenden kuh. Fortpflanzung u. Besamung der Haustiere 2:69-71. Sept.15,1952. 41.8 F773

15413 GÖTZE, R. Microbiological disturbances of the reproduction of cattle and their control through artificial insemination. (In Dutch.) Vlaams Diergeneesk. Tijdschr. 21:137-154. July/Aug.1952. 41.8 V84
German summary.
Discussion, p. 155-160.

15414 GREGOIRE, C. La distomatose des bovidés. Sillon Belge 22(530):1-3. Oct.18,1952. 13 Si3

15415 GREGORY, P. W., and BROWN, B. B. A profilometer for studying head form of the bovine. J. Anim. Sci. 11:700-704. Nov.1952. 49 J82

15416 GRULL, F. Untersuchungen über hitzeresistente tuberkelbakterien-stämme. Giessen,1951. 46 p. Ref. 448.2 G923
Inaug.-Diss. - Giessen.
Bovine tuberculosis and milk bacteria.

15417 HABEL, R. E. Guide to the dissection of the cow. Ed. 2. Ithaca, N. Y.,Cornell Coop. Soc.,1951. 127 p. Ref. 444 H117G

15418 HENDERSON, G. W. Metabolic disturbances in cattle. Canad. J. Compar Med. 16:371-373. Oct.1952. 41.8 C162

15419 HENRIKSSON, A. Pregnancy problems. (In Swedish.) Ladugården 9:274-275. Sept.1952. 44.8 L12
Cattle.

15420 HEPPLE, J. R. Necrotic enterotoxaemia in a calf due to Clostridium welchii type B. Vet. Rec. 64:633-634. Oct.25,1952. 41.8 V641

15421 HERRICK, J. B. When is a placenta "retained?" Haver-Glover Messenger 32(11-12):6. Nov./Dec.1952. 41.8 H29
Cattle.

15422 HILDÉN, E. Parturient paresis in the light of recent research. (In Swedish.) Finsk Boskap 6:3-4. Apr.1952. 43.8 F492

15423 HOFLUND, S. Hoof split inflammation—a current autumn disease. (In Swedish.) Ladugården 9:265. Sept.1952. 44.8 L12
Foot rot of cattle and sheep.

15424 HOGREVE, F., and LEHMANN, C. F. Tuberkulose und konstitutionstyp bei 1000 schwarzbunten schlachtkühen am braunschweiger schlachthof 1950/52. Tierärztl. Umschau 7:416-418. Nov.1952. 41.8 T445

15425 HOLCOMB, H. B. Pyelonephritis in a bull. Sowest. Vet. 6:54-55. Fall 1952. 41.8 So82

15426 HUBNER. Volksabstimmung im Kanton Zürich über ein kantonales gesetz zur bekämpfung der rindertuberkulose. Monatsh. f. Prakt. Tierheilk. 4:383-384. 1952. 41.8 M74

15427 HUFFMAN. C. F. Roamin' in the rumen. East. Feed Merchant 3(11):28,30,76. Nov.1952. 389.78 Ea7
Cattle.

15428 HUGHES, H. V. A case of congenital hydrocephalus with hydromyelia in a calf. Vet. Rec. 64:753-755. Nov.22,1952. 41.8 V641

15429 ISHIHARA, M., YOSHIDA, S., and KUROHIZI, I. Studies on the congenital ichthyosis in Japanese breed of cattle. (In Japanese.) Chugoku- Shikoku Agr. Expt. Sta. B. Ser. B (Anim. Indus.) 2:335-341. Ref. July 1952. 107.6 T5752B
English summary.

15430 IVANOV, P. A. Discovery of Sarcosporidia in the heart muscle of cattle. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:251-256. 1951. 41.9 K522

15431 JOHNSON, B. Adaptations of beef cattle to climatic conditions. N. Y. Agr. Col. Farm Econ. 187: 4915-4916. Nov.1952. 280.8 C812

15432 JOHNSON, H. W. Intradermal cervical tuberculin testing. Vet. Sci. News 6(3):25-27. Oct.15,1952. 41.8 V6492
Cattle.

15433 JOHNSON, M. J. Diseases of feedlot cattle. Norden News 27(10):8-10,16. Nov./Dec.1952. 41.8 N75

15434 KAZAKOVA, E. M. Biochemical and morphological blood indexes in calves raised in unheated stalls. (In Russian.) Sovet. Zootekh. 7(10):85-88. Oct.1952. 49 So822

15435 KLUSSENDORF, R. C. Shipping fever. No. Amer. Vet. 33:856-857. Dec.1952. 41.8 N812
Cattle.

15436 KRAMER, W. K. Die verbreitung der rinderseuchen abortus Bang, tuberkulose, gelber galt und fetus-trichomoniasis im Kreise Heilbronn. Giessen,1951. 20 p. 41.2 K868

15437 KÜNZEL, E. Zur praktischen anatomie des beckenausganges beim rinde. Berlin. u. Münch. Tierärztl. Wchnschr. 65:232-233. Nov.1952. 41.8 B45

15438 KURTZE, H. Betrachtungen über das tympanieproblem des rindes. Deut. Tierärztl. Wchnschr. 59:343-344. Nov.15,1952. 41.8 D482

15439 LANG, K. Tuberkulosetilgung und rinderzucht. Berlin. u. Münch. Tierärztl. Wchnschr. 65:226-228. (Cont.) Nov.1952. 41.8 B45

15440 LEGATES, J. E., and GRINNELLS, C. D. Genetic relationships in resistance to mastitis in dairy cattle. J. Dairy Sci. 35:829-833. Ref. Oct.1952. 44.8 J822

15441 LEMBKE, A. Die agglutination als diagnostische grundlage für hygienische und therapeutische massnahmen. Molk.- u. Käserei-Ztg. 3:1114-1117. Sept.11,1952. 44.8 M736

15442 LIENERT, E., and MATHOIS, H. Überprüfung der zweckmässigkeit weiterer tierkohlekombinationen bei infektiösem darmkatarrh. Wien. Tierärztl. Monatsschr. 39:540-541. Sept.1952. 41.8 T345
English summary.

15443 LOFGREEN, G. P., KLEIBER, M., and SMITH, A. H. The excretion of injected P^{32} into the gastrointestinal tract of the young calf. J. Nutr. 47:561-569. Ref. Aug.11,1952. 389.8 J82

15444 LOFGREEN, G. P., KLEIBER, M., and LUICK, J. R. The metabolic fecal phosphorus excretion of the young calf. J. Nutr. 47:571-581. Ref. Aug.11,1952. 389.8 J82

15445 LYSENKO, I. P. On the antigen for obtaining an immune serum against paratyphoid in calves. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:130-143. Ref. 1951. 41.9 K522

15446 MCGEOWN, M. G., and MALPRESS, F. H. Studies on the synthesis of lactose by the mammary gland. 2. The sugar-phosphate esters of milk. Biochem. J. 52:606-611. Ref. Dec.1952. 382 B52

15447 MARSH, H. Urinary calculi in cattle. Mont. Stockgrower 24(10):55-56. Oct.15,1952. 49 M76

15448 MELANCON, J. L. Foamy bloat in cattle. Iowa Vet. 23(6):24-25. Nov./Dec.1952. 41.8 Io9

15449 MEYN. Dänemark frei von rindertuberkulose. Monatsh. f. Prakt. Tierheilk. 4:382-383. 1952. 41.8 M74

15450 MOREIRA-JACOB, M. Bacteriological diagnosis of [bovine] streptococcic mastitis. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:6-13. Ref. Jan./Mar. 1952. 41.8 R3215
English summary.

15451 MORQUER, R., RIVALS, P., and ANDRAL, L. Une plante dangereuse pour le betail: le Galega officinalis. Rev. de Méd. Vét. [Toulouse] 103:327-342. (Cont.) June 1952. 41.8 R32

15452 MOSER, F. Planung zur tilgung der rindertuberkulose in einem dorfe der schwäbisch-bayerischen hochebene. (Sum.) Giessen,1951. 27 p. 41.2 M854

15453 MÜLLER, J. A case of adenocarcinomatosis in a tuberculous cow. (In Danish.) Nord. Vetmed. 4:1093-1097. Nov.1952. 41.8 N813
English summary.

15454 MÜLLER, W. Untersuchungen über eine trockenmilchserum- reaktion zur feststellung der rindertuberkulose. Giessen,1951. 31 p. Ref. 41.2 M9123
Inaug.-Diss. - Giessen.

15455 NADERMANN, H. Der stand der tuberkulose unter den rinderbeständen des Siegkreises im jahre 1950. Giessen,1951. 41 p. 41.2 N12

15456 NICHOLS, R. E. Is age a factor or a coincidence in ketosis and milk fever? Amer. Vet. Med. Assoc. J. 121:465-466. Dec.1952. 41.8 Am3
In cattle.

15457 NOACK, G. H. F. Die geschichte und der derzeitige stand der erkenntnisse über die ätiologie der nichttuberkulösen lungeninfektionen des rindes. Giessen, 1951. 42 p. 41.2 N662
Inaug.-Diss. - Giessen.

15458 PARRISH, D. B., and FOUNTAINE, F. C. Contents of the alimentary tract of calves at birth. J. Dairy Sci. 35:839-845. Ref. Oct.1952. 44.8 J822

15459 PATRIZI, F., and MORICONI, M. Death of ten bovines due to rape-seed poisoning. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:225-227. 1951. 41.9 So17
English summary.

15460 PEDINI, B. Electrocardiographic picture in a case of [bovine] myocarditis due to foot-and-mouth disease. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5: 173-177. 1951. 41.9 So17
English summary.

15461 PETRENKO, B. G., and GOVOROV, A. M. Sarcosporidia in the heart muscle of cattle sick with chronic hematuria. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:245-250. Ref. 1951. 41.9 K522

15462 PFEIFFER, D. H., and LOUW, A. J. An outbreak of [bovine] anthrax at the municipal abattoir, Bloemfontein. So. African Vet. Med. Assoc. J. 23:157-161. Sept.1952. 41.8 So8

15463 PISTOR, W. J. Mastitis and milk fever. West. Live Stock 38(3):27,34. Oct.1952. 49 W523

15464 QUESADA, A., and PAPANDREA, E. Bilharziasis in Sardinia. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:273-278. Ref. 1951. 41.9 So17
English summary.
In cows and sheep.

15465 RAMON, G., and others. De l'influence des suspensions de streptocoques et de staphylocoques tués (anavaccin) sur l'immunité engendrée, chez les bovidés, par l'anatoxine staphylococcique. Off. Internatl. des Epiz. B. 37:514-529. Sept./Oct.1952. 41.8 Of2
R. Richou, P. Julienne, J. Jacquet, C. Gerbeaux, and G. Leneveu, joint authors.

15466 RAMON, G. A propos de l'éradication de la tuberculose bovine au Danemark. Off. Internatl. des Epiz. B. 37:493-498. Sept./Oct.1952. 41.8 Of2

15467 REINOSO CASTRO, H. W. Prolapso uterino. Argentina. Min. de Agr. y Ganad. Almanaque 26/27: 115-116. 1951/52. 9 Ag874
In cattle.

15468 RENOUX, G. Etalonnage de l'antigéne coloré au chlorure de phényl tétrazolium (Bendsten) pour l'épreuve de l'anneau sur le lait. Off. Internatl. des Epiz. B. 37:542-545. Sept./Oct.1952. 41.8 Of2

15469 RENTSCH, H. Vergleichende kulturelle untersuchungen über das vorkommen von tuberkelbakterien in der muskulatur und im herzmuskel tuberkulöser rinder. Giessen,1951. 26 p. 41.2 R295

15470 RICE, C. E., and others. The conglutination complement-fixation test as a supplementary method of detecting activity with Brucella abortus antigens. Canad. J. Compar. Med. 16:348-356. Oct.1952. 41.8 C162
P. Boulanger, C. Mackie, and T. Moore, joint authors.
Tests with cattle.

15471 RIECK, G. W. Die trichomoniasis des rindes; eine kritische bibliographie des letzten jahrzehnts. Monatsh. f. Prakt. Tierheilk.4:387-401. (Cont.) 1952. 41.8 M74

15472 RIEKER, J. Über das vorkommen von tuberkelbakterien in der milch tuberkulöser kühe ohne euter-tuberkulose. Giessen,1951. 28 p. Ref. 41.2 R4492
Inaug.-Diss.—Giessen.

15473 RIVERA, E. Rinder-tuberkulose in Costa-Rica. Deut. Tierärztl. Wchnschr. 59:327. Nov.1,1952. 41.8 D482

15474 RUTH, P. Kritische betrachtungen über den hauptmangel "Tuberkulöse erkrankung" bei nutz- und zuchtrindern und gedanken über die möglichkeit eines einbaues der viehwährschaftsbestimmungen in die tuberkulosebekämpfung beim rind. Giessen,1951. 46 p. Ref. 41.2 R932
Inaug.-Diss. - Giessen.

15475 SANDSTEDT, H. Dehorning of calves through burning. (In Swedish.) Ladugården 9:276. Sept.1952. 44.8 L12

15476 SANTOS SALGADO, J. No es cierto que el ganado Normando haya traído aftosa de Europa. Holstein Colomb. 6(43):16-18. July/Aug.1952. 43.8 H744

15477 SAXER, E. Weitere untersuchungen über die tuberkulöse reinfektion beim rind und ihren einfluss auf die resistenz. Schweiz. Arch. f. Tierheilk. 94:741-760. Ref. Nov.1952. 41.8 Sch9
English summary.

15478 SCHIPPER, I. A. Handle with care; the udder is a delicate gland; any injury, no matter how slight, opens door to mastitis; these safeguards will protect your herd. Hoard's Dairyman 97:931. Nov.25,1952. 44.8 H65

15479 SCHMIDT, H. Texas fever—a historical review of the pioneer contributions of Dr. Mark Francis (1864-1936). Sowest. Vet. 6:32-41. Fall 1952. 41.8 So82

15480 SCHNEIDER, P. A. La muco-agglutination dans le diagnostic de la trichomonose bovine. Schweiz. Arch. f. Tierheilk. 94:761-765. Nov.1952. 41.8 Sch9
English summary.

15481 SCHROEDER, C. R. and others. Rabies in cattle. I. Prevention of vampire bat paralytic rabies, derriengue, vaccination with chick-embryo-adapted rabies virus. Vet. Med. 47:502-506. Dec.1952. 41.8 M69
J. Black, R. L. Burkhart, and H. Koprowski, joint authors.

15482 SCHULTZ, L. H. Ketosis in dairy cattle. Farm Res. [N. Y. State Sta.] 18(4):9. Oct.1952. 100 N48A

15483 SCHWABE, H. Die möglichkeiten der tilgung der rindertuberkulose unter den verhältnissen der rheinisch-westfälischen tiefebene. (Excerpts.) Giessen, 1951. 16 p. Ref. 41.2 Sch9
Inaug.-Diss.—Giessen.

15484 SCHWILL. Die demodikose des rindes, eine wirtschaftlich bedeutungsvolle krankheit. Deut. Tierärztl. Wchnschr. 59:325-327. Nov.1,1952. 41.8 D482
Due to Demodex folliculorum.

15485 SEREN, E., and others. The A and D vitamins as coadjutants in the prophylaxis and therapy of infections in the new-born calves. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:396-398. 1951. 41.9 So17
G. Mantovani, M. Ferraudo, and E. Quarna, joint authors.
English summary.

15486 SEREN, E., MANTOVANI, G., and RAGNI, M. The action of a derivative of naphthoquinone with vitamin K (anti-brucellosis vitamin) in the treatment of contagious abortion in cattle. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:399-403. 1951. 41.9 So17
English summary.

15487 SEREN, E., VACIRCA, G., and BABINI, A. Notes on a practical method for the graphic recording of the motility of the rumen in cattle. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:158-164. 1951. 41.9 So17
English summary.

15488 SERRA, A. New research on the action of 2-methyl 6-oxy 1,4-naphthoquinone in the treatment of bovine brucellosis. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:403-414. 1951. 41.9 So17
English summary.

15489 SHERIFF, D., and PIERCY, S. E. Experiments with an avianised strain of the organism of contagious bovine pleuropneumonia. Vet. Rec. 64:615-621. Oct.18, 1952. 41.8 V641

15490 SIMMONS, G. C., LAWRENCE, J. J., and FORBES, B. R. V. The identification of Leptospira pomona isolated from calves in Queensland. Austral. Vet. J. 28:227-228. Ref. Sept.1952. 41.8 Au72

15491 SIMON, J., and SCHMIDT, E. G. The therapeutic efficiency of furacin and furacin-penicillin mixture for mastitis caused by Streptococcus agalactiae. Amer. Vet. Med. Assoc. J. 121:467-468. Dec.1952. 41.8 Am3

15492 SMART, R. F. Rumenotomy in a calf. Sowest. Vet. 6:54. Fall 1952. 41.8 So82

15493 SPALLINI, A. Preliminary note on the use of Zothelone in the treatment of bovine tick fever. (In Portuguese.) Rev. dos Criadores 23(9):39-40. Ref. Sept. 1952. 43.8 R32

15494 STONEBRINK, B. Ontwikkeling van een voedingsbodem voor de primaire cultuur van Mycobacterium tuberculosis var bovis [Development of a medium for the primary isolation of Mycobacterium tuberculosis var. bovis]. Van Gorcum's Diergeneesk. Biblioth. 4,134 p. 1951. 41.8 V29
English summary.

15495 SYKES, J. F., THOMAS, J. W., and MOORE, L. A. Observations on the electrocardiograms of cattle fed thyroprotein. J. Anim. Sci. 11:693-699. Nov.1952. 49 J82

15496 TARLATZIS, C. B. La mammite pyocyanique de la vache laitière en Grèce. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 5:41-44. Ref. Jan./Mar.1952. 41.9 So18
French summary.

15497 THESING, B. Beitrag zur pathologie und chirurgie der perforierenden zitzenwunde und milchfistel. Giessen,1951. 34 p. Ref. 41.2 T3423
Inaug.-Diss. - Giessen.

15498 THEWES, J. Zum vorkommen von trichomonaden bei kälbern und jungtieren. Giessen,1951. 34 p. Ref. 41.2 T3424
Inaug.-Diss.—Giessen.

15499 TINDALL, C. We must control brucellosis! Mo. Rur. 93(22):4-5,30. Nov.22,1952. 6 R8891
In dairy cattle.

15500 TZUR, I. The cattlefever. (In Hebrew.) Hassadeh 32:543-544. Aug./Sept.1952. 26 H27

15501 ULBERG, L. C., and others. The use of antibiotics in the treatment of low fertility cows. Amer. Vet. Med. Assoc. J. 121:436-440. Ref. Dec.1952. 41.8 Am3
W. G. Black, H. E. Kidder, L. E. McDonald, L. E. Casida, and S. H. McNutt, joint authors.

15502 VALLEJO, L. C. Mamitis infecciosa o enzoótica de los bovinos; una prueba rápida para su comprobación. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:151-155. 1951/52. 9 Ag874

15503 VARDIMAN, P. H. Sporadic bovine encephalitis. Sowest. Vet. 6:46. Fall 1952. 41.8 So82

15504 VERGE, J., DAVENAS, P., and DABRIGEON, J. Recherches sur la bacillémie dans la tuberculose des Bovidés. Rev. de la Tuberc. 16:442-448. 1952. 448.8 R32
English summary.

15505 VIGUE, R. F. Influence of protein on the milk fever complex: a four year study. II. Ketosis (acetonemia). Vet. Med. 47:491-496,506. Ref. Dec.1952. 41.8 M69

15506 VOIGT, A. Zum problem des ansteckenden scheidenkatarrhs der rinder. Berlin. u. Münch. Tierärztl. Wchnschr. 65:221-223. Nov.1952. 41.8 B45

15507 WEISS, K., and HOLZ, J. Die epidemiologie, feststellung und bekämpfung der trichomonadenseuche der rinder. Fortpflanzung u. Besamung der Haustiere 2:52-53. Ref. (Concl.) July 15,1952. 41.8 F773

15508 WERSCHING, S. Die tuberkulinreaktion als mittel zur bekämpfung der tuberkulose des rindes in theorie und praxis. Monatsh. f. Prakt. Tierheilk. 4:377-382. 1952. 41.8 M74

15509 WHITTLESTONE, W. G., BASSETT, E. G., and TURNER, C. W. Factors influencing the amount of milk "let-down" hormone in the posterior lobe of Jersey cattle. J. Dairy Sci. 35:889-893. Ref. Nov.1952. 44.8 J822

15510 WHITTLESTONE, W. G., and others. Frequency of discharge of pituitary milk "let-down" hormone. J. Dairy Sci. 35:894-898. Nov.1952. 44.8 J822
D. R. Perrin, R. D. Parkinson, and C. W. Turner, joint authors.

15511 WILKE, E. Beitrag zur frage der petechialen nierenblutungen bei schlachtrindern. Giessen,1951. 46 p. Ref. 41.2 W655
Inaug.-Diss. - Giessen.

15512 WILLIAMS, S. Longevity in the dairy cow. Farmers Wk. [London] 37:64-65,67. Nov.28,1952. 10 F2226

15513 WITHERS, F. W. Mortality rates and disease incidence in calves in relation to feeding, management and other environmental factors. II. Brit. Vet. J. 108: 382-405. Oct.1952. 41.8 V643
Thesis (Ph.D.) - University of London.

15514 WOERNLE, H. Über den zusammenhang der schlachtwertklassen der rinder mit dem grade der bei ihnen festgestellten tuberkulose. Marbach a. Neckar, Remppis,1951. 39 p. Ref. 41.2 W822
Inaug.-Diss.—Giessen.

15515 WOLFSTELLER, W. Citología vaginal de la vaca. (Sum.) Rev. de Med. Vet. [Buenos Aires] 33:293-295. Oct./Dec.1951. 41.8 B86

15516 WRIGHT, N. Infectious diseases of cattle. 3. Anthrax. Canad. Cattlemen 15(10):8-9. Oct.1952. 49 C16

15517 YANG, S. H. A method of assessing cutaneous pigmentation in bovine skin. J. Agr. Sci. 42:465-467. Oct.1952. 10 J822

15518 ZHOVANIK, P. N. Vaccine against brucellosis (second communication). Experiments in preventive immunization of cattle. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:26-46. Ref. 1951. 41.9 K522

15519 ZIEGLER, M. Zu der mitteilung von Leonhardt, H. "Zur Entwicklungsdauer und zur Entschädigung der Tuberkulose des Euters und der weiblichen Geschlechtsorgane." Berlin. u. Münch. Tierärztl. Wchnschr. 65:225-226. Nov.1952. 41.8 B45

Miscellaneous

15520 ARES, F. N. Size and composition of the herd. Amer. Cattle Prod. 34(7):14,16,18. Dec.1952. 49 P94
At Jornada Experimental Range.

15521 BONCALES, A. O. Cattle and carabaos found in the municipalities of Bay, Calauan, and Pila, Laguna. Philippine J. Anim. Indus. 11:83-93. Second/Fourth Q. 1950,pub.1952. 49.9 P53P

15522 BONDE, N. The cattle at the show in Randers. (In Danish.) Jydsk Landbr. 34:543-555. Aug.21,1952. 11 J99

15523 BOSTICCO, A. Les variations de la production laitière chez les bovines par rapport au nombre de lactations. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:104-118. 1951. 41.9 So17
French and German summaries.

15524 BRITISH OIL & CAKE MILLS. The dairyman's handbook; incorporating "Feeding for higher yields." London,1952. 45 p. 44 B774D
Cattle care.

15525 COUTURIER, P. Elevage et viande. Agriculture [Paris] 16:211-212. Sept.1952. 14 Ag823
Conversion to dairy type cattle.

15526 COX, A. K. H. Cowman, why don't you write a book? Farmers Wk. [London] 37(17):68-69. (Concl.) Oct.24,1952. 10 F2226
Care of dairy stock.

15527 CUNHA, T. J. Southeastern cattle production. Shorthorn World 37(17):57-59. Nov.25,1952. 43.8 Sh8

15528 DAIL, H. Dams, fences, roads. West. Livestock J. 30(58):53,112,117,121. Oct.15,1952. 6 F2278
Easier movement of cattle, an aid in herd management.

15529 DARCHINIAN, A. P. Leading practices of the milkmaids of Avangard Kolkhoz in Siisiansk District, Armenian SSR. (In Russian.) Sotsialist. Zhivotnovod. 14(5):43-45. May 1952. 49 So71

15530 DODD, F. H. Fast milkers yield more. Farmer & Stock-Breeder 66(3287):45,47. Oct.21/22,1952. 10 F228

15531 DOMRACHEV, V. Potentialities of the dairy cattle industry on state farms. (In Russian.) Sotsialist. Sel'sk Khoz. 23(9):36-49. Sept.1952. 281.8 So73

15532 DUCK, R. W. The beef cattle breeding business. Rur. New-Yorker 102:716-717. Nov.15,1952. 6 R88
Care of the breeding herd.

15533 DUPAS, R. Les particularités de l'abattage rituel des bovins et la préparation de conserves de boeuf assaisonné, destinées à l'Etat d'Israël. Rev. Vet. Mil.7: 156-159. 1952. 41.8 R3295

15534 FERRAGUT LEON, C. La clasificación del ganado y de las carnes. Cuba Ganad. 13(2):17-18. Oct. 1952. 49 C89

15535 FLETCHER, R. G. Cattle rearing at Ardlussa, Jura, 1946-51. Scot. Agr. 32:68-74. Autumn 1952. 10 Sco82So

15536 GILL, J. B. Beef cattle and pastures feature research work at Brown Loam Branch Station. Miss. Farm Res. [Miss. Sta.] 15(9):4. Sept.1952. 100 M69Mi

15537 GLADKOV, G. M. A dairy farm of a collective farm. (In Russian.) Sotsialist. Zhivotnovod. 14(5):84-85. May 1952. 49 So71

15538 HAMRÉN, J. B. Polled cows give more milk with hand stripping. (In Swedish.) Ladugården 9:280-281. Sept.1952. 44.8 L12

15539 HAPP. Milchleistungsergebnisse 1951 in Westfalen-Lippe. Tierzüchter 4:401-403. Aug.20,1952. 49 T445

15540 HERVEY, M. C. Triplets and identical twins speed dairy research. Minn. Farm & Home Sci. [Minn. Sta.] 10:10-11. Oct.1952. 100 M668

15541 ISHIHARA, M., and others. The influence of temperature on the working ability of cattle and the prevention of its undesirable effects. (In Japanese.) Chugoku-Shikoku Agr. Expt. Sta. B. Ser. B (Anim. Indus.) 1: B17-B38. Jan.1952. 107.6 T5752B
T. Yoshida, S. Yoshida, S. Katsuki, M. Hayashi, and S. Miyashita, joint authors.
English summary.

15542 ISHIHARA, M., and YOSHIDA, T. Studies on the type of cattle desirable for working purpose. (In Japanese.) Chugoku- Shikoku Agr. Expt. Sta. B. Ser. B (Anim. Indus.) 2:293-312. Ref. July 1952. 107.6 T5752B
English summary.

15543 ISHIHARA, M., and others. The testing of tractive ability of cows for plowing purpose. (In Japanese.) Chugoku-Shikoku Agr. Expt. Sta. B. Ser. B (Anim. Indus.) 1:B1-B16. Jan.1952. 107.6 T5752B
T. Yoshida, Y. Habu, and S. Uesaka, joint authors.
English summary.

15544 JONAS, S. Cattle raising in Palestine. Agr. Hist. 26:93-104. July 1952. 30.98 Ag8

15545 JÖNKÖPINGS LÄNS CENTRALA KONTROLLFÖRENING. Report on the activities of Jönköping Province Central Control Association during the control year 1/10 1950-30/9 1951. (In Swedish.) Jönköpings Läns Hushsällsk. Handl. och Tidskr. 2:81-126. 1951,pub.1952. 11 J732

15546 JOVANOVIC, A., and OBRADOVIC, D. Mogućnosti za povećanje proizvodnje mleka u našoj zemlji [Possibilities for increasing milk production in our country]. Beograd,Zadružna Knjiga,1951. 83 p. Ref. 44 J82

15547 KLOCKO, I. M. Experiments of Ukrainian leaders in the milk yield of cows. (In Czech.) Za Socialist. Zemedel. 2:709-713. June 1952. 19.5 Z1

15548 KÖNIG. Die züchter des Argentales stellten ihr vieh vor. Allgäuer Bauernbl. 20:558-559. Oct.9, 1952. 18 AL53

15549 LEGGE, T. Forty acres with thirty fields. Farmers Wk. [London] 37(21):60-61. Nov.21,1952. 10 F2226
Dairy farming in West Cornwall.

15550 MACE, J. A. Dairy herd improvement work in British Columbia. Butter-fat 30(9):4. Dec.1952. 44.8 B98

15551 MALLESON, M. Beef as a by-product. Farmer & Stock-Breeder 66(3287):48-49. Oct.21/22, 1952. 10 F228
Rearing dairy-bred bull calves.

15552 MORRISON, S. R. The small herd. I. Amer. Hereford J. 43(13):84-85,313. Nov.1,1952. 43.8 Am32

15553 MUÑOZ CAÑIZARES, R. Generalidades sobre el ganado vacuño productor de leche. In Colegio Oficial de Veterinarios de Granada. Divulgaciones ganaderas, p.145-164. Granada.1951. 40 C672

15554 NORDFELDT, S. Three important periods; experiments with cattle and preparation of silage. (In Swedish.) Lantmannen 36:923-924,926-927. Nov.15,1952. 11 L234

15555 OLSSON, V. Care and feeding of calves raised for veal. (In Swedish.) Tidskr. f. Hushsällsk. och Skogsvårdsstyr. i Gävleborgs Län 27:125-127. 1951. 11 T434

15556 PACI, C. Meat production from races generally used for milk production. (In Italian.) Riv. di Zootec. 25:256-263. Sept.1952. 49 R52
Cattle.

15557 PAUL, R. A., and PEGG, S. E. Register of Merit for dairy cattle. Queensland Agr. J. 75:155-171. Sept.1952. 23 Q33

15558 PEGG, S. E. Improved herd production as shown by herd recording. Austral. Dairy Rev. 20(10):16-17. Oct.1,1952. 44.8 Au73

15559 PETUKHOV, K. Raising calves on the leading [collective] farms. (In Russian.) Kolkhoz. Proizvodstvo 12(10):34-35. Oct.1952. 281.8 K83

15560 PLUM, M., SINGH, B. N., and SCHULTZE, A. B. Relationship between early rate of growth and butterfat production in dairy cattle. J. Dairy Sci. 35: 957-962. Ref. Nov.1952. 44.8 J822

15561 POHL, A. Die tierbeurteilung. Bauer 5(35): 2,4,6-7. Oct.11,1952. 19 B32
Cattle.

15562 REEDER, N. How many cows for a one man farm? Capper's Farmer 63(11):22-23. Nov.1952. 6 M693

15563 ROSHCHINA, A. A. Nash opyt vyrashchivaniia telíat v kolkhoze [Our method of raising calves on a collective farm]. Moskva,"Znanie,"1952. 21 p. 43 R735N

15564 RUZHEVSKIĬ, A. B. Increasing the milk fat content of cows. (In Russian.) Sotsialist. Zhivotnovod. 14(5):56-60. May 1952. 49 So71

15565 SCHABINGER, J. R. Production testing for Maryland dairymen. Md. Agr. Col. Ext. Fact Sheet 60, 2 p. Oct 1952. 275.29 M36Fa

15566 SCHRÖTER, G. Massnahmen in minderleistungsbetrieben 1950 im lande Sachsen-Anhalt. Tierzucht 6:297-298. Sept.1952. 49 T443

15567 SCOTT, I. Christmas cow customs. Cattleman 39(7):115-116. Dec.1952. 49 C29

15568 SCOTTI, G. Should milk producers be forced? (In Italian.) Bianco Nero 5:20. May/Aug.1952. 43.8 B47

15569 SHAW, J. C. North from Texas; incidents in the early life of a range cowman in Texas, Dakota and Wyoming, 1852-1883. Evanston,Ill.,Branding Iron Press, 1952. 109 p. 120 Sh22

15570 UL'IANKIN, I., and RAD'KO, T. Machine milking of cows in the pasture. (In Russian.) Kolkhoz. Proizvodstvo 12(6):47. June 1952. 281.8 K83

15571 ZETTLER. Das zungenschlagen bei rindern. Tierärztl. Umschau 7:431. Nov.1952. 41.8 T445

DOGS AND CATS

Breeds and Breeding

15572 AUSTRALIAN AND NEW ZEALAND GREYHOUND ASSOCIATION. The Australian Greyhound studbook, v. 11, 1952. Melbourne,1952. 479 p. 48.9 Au7

15573 BEAK, L. G. How to breed Fox Terriers successfully. N. Z. Dog World 7(7):5. Aug.1952. 48.8 N48

15574 CHARLESWORTH, W. M. Golden Retrievers. London,Williams & Norgate,1952. 96 p. 48 C38

15575 GOULD, E. The English Shepherd breed. Bloodlines 35(6):11-12. Nov./Dec.1952. 48.8 B62

15576 GUINOT, R. Le Cocker-chien de chasse et chien d'agrément. Rustica 25:939,943. Oct.5,1952. 14 R92

15577 HESELTON, L. Our English Shepherd. Bloodlines 35(6):11. Nov./Dec.1952. 48.8 B62

15578 SAGET, H. Le chat persan. Rustica 25:987, 1006. Oct.19,1952. 14 R92

15579 ST. BERNHARDSKLUB. Zuchtbuch 30, 1949 und 1950. München,1951. 46 p. 48.9 Sa2

15580 SCHWARZ, D. A. DE. Teckel o Dachshund. Chacra 23(264):58. Nov.1952. 9 C34

15581 SEXTON, A. The genetic make-up of Frost Points. I. All-Pets Mag. 23(10):72-73,76-77. Oct.1952. 48.8 AL5
Siamese cats.

15582 STEFFENS, H. Wissenswertes für den hundezüchter. Deut. Kleintier-Züchter 7(17):3-4. Sept.5,1952. 49 D483

15583 VERSTEEG, H. Le Fox-terrier. Cour. Hort. 14:509-510. Sept.1952. 80 C834

15584 WHITNEW, D. D. The silver Poodle. Dog World [Bradford] 35:1854. Nov.21,1952. 48.8 D674

Feeds and Feeding

15585 SIEDLER, A. J., and SCHWEIGERT, B. S. Effect of the level of fat in the diet on the growth performance of dogs. J. Nutr. 48:81-90. Sept.10,1952. 389.8 J82

Veterinary Medicine

15586 ALLAM, M. W., and others. The anatomy of the brachial plexus of the dog. Anat. Rec. 114:173-179. Ref. Oct.1952. 447.8 An1
D. G. Lee, F. E. Nulsen, and E. A. Fortune, joint authors.

15587 BANKS, W. C., and MONLUX, W. S. Canine hydrocephalus. Amer. Vet. Med. Assoc. J. 121:453-454. Dec.1952. 41.8 Am3

15588 BARONTI, A. C. Chronic splenitis. No. Amer. Vet. 33:872. Dec.1952. 41.8 N812
Case of a dog.

15589 BARTON, A. The sexual behavior of the dog and cat. J. Small Anim. Med. 1:147-157. Oct.1952. 41.8 J828

15590 BILD, C. E. Clinical hematology. No. Amer. Vet. 33:866-867. Dec.1952. 41.8 N812
Dogs.

15591 BRANDARIZ, C., and BREA, A. J. J. Fracturas del antebrazo en el perro. (Sum.) Rev. de Med. Vet. [Buenos Aires] 33:296. Oct./Dec.1951. 41.8 B86

15592 BURCH, G. R. Treatment of ear-canal mites [Otodectes cynotis] in dogs. J. Small Anim. Med. 1:74-76. Aug.1952. 41.8 J828

15593 BURKHARDT, B. S., and PHILLIPS, L. R. Control of canine estrual odor with chlorophyll. J. Small Anim. Med. 1:47-49. Aug.1952. 41.8 J828
Addendum 1:157, Oct. 1952.

15594 CAMPBELL, R. S. F., and LAUDER, I. M. Gastric carcinoma in the dog. J. Compar. Path. & Ther. 62:275-278. Ref. Oct.1952. 41.8 J82

15595 COSTA, A. Aujeszky's disease in Sardinia. (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:414-415. 1951. 41.9 So17
Summaries also in Italian and French.
Case of cats fed meat from diseased pig.

15596 COTCHIN, E. Neoplasms in cats. Roy. Soc. Med. Proc. 45:671-674. Ref. Oct.1952. 448.9 R814

15597 CRUZ, A. A. DA., SOUSA, J. L. DE., and CABRAL, A. A parasitic index on "Felix domesticus" in the city of Lisbon. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:142-152. Ref. Apr./June 1952. 41.8 R3215
English summary.

15598 DOMIZIO, G. DI. Types of hepatitis in dogs. I-III. (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:190-193. 1951. 41.9 So17
Summaries also in Italian and French.

15599 DOZZA, G. Idiopathic megacolon in the cat. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:151-158. Ref. 1951. 41.9 So17
English summary.

15600 ERICHSEN, S. Follicular cysts, hyperestrogenism and the pathogenesis of pyometra in dog. (In Norwegian.) Nord. Vetmed. 4:1078-1089. Nov.1952. 41.8 N813
English summary.

15601 FARMER, H. H., and WITTER, W. F. Canine guinea worm (Drancunculus insignis) infestation. J. Small Anim. Med. 1:174. Oct.1952. 41.8 J828

15602 FAUSTINI, R. Concentration of chloramphenicol in the blood and tissues of the dog. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:433-437. Ref. 1951. 41.9 So17
English summary.

15603 GALLEGO BERENGUER, J., and PUMAROLA BUSQUETS, A. El parasitismo por helmintos en los perros vagabundos de Barcelona. Rev. Ibérica de Parasitol. 12:205-213. Apr.1952. 436.8 R32

15604 GARBUTT, R. J. Reduction of fractures of the distal end of the femur. Vet. Med. 47:509-512. Dec.1952. 41.8 M69
Dogs.

15605 GARCIA, J. A procedure for the control of post castration hemorrhage in adult male cats. J. Small Anim. Med. 1:175-178. Oct.1952. 41.8 J828

15606 GLEDHILL, A. W. Feline enteritis. Vet. Rec. 64:723-732. Ref. Nov.15,1952. 41.8 V641
Includes discussion.

15607 GÖBEL, F. Die tötung von hunden und katzen mit eunarcon. Tierärztl. Umschau 7:422-423. Nov.1952. 41.8 T445

15608 GRATZL, E. Die hartballenkrankheit (hard pad disease) der hunde. (Excerpts.) Wien. Tierärztl. Monatsschr. 39:585-599. Ref. Oct.1952. 41.8 T345
English summary.

15609 GRAUSGRUBER, W. Impfschäden nach wutschutzimpfungen bei hunden mit einem virulenten karbol-glyzerin-impfstoff. Monatsh. f. Prakt. Tierheilk. 4:337-348. Ref. 1952. 41.8 M74

15610 HALPIN, B. An extension apparatus for small-animal orthopaedic procedures. Vet. Rec. 64:657. Nov.1,1952. 41.8 V641
Fractures of dogs.

15611 HOFMEYR, C. F. B. Toxic coxitis in a dog. So. African Vet. Med. Assoc. J. 23:183-184. Sept.1952. 41.8 So8

15612 INNES, J. R. M. Canine hysteria. No. Amer. Vet. 33:862-863. Dec.1952. 41.8 N812

15613 KLAUSMAN, B. S. Successful treatment of dermatoses in small animals. Vet. Med. 47:524-525. Dec.1952. 41.8 M69
Dogs and cats.

15614 KLOTZ, A. P., and BREWER, N. R. Double aortic arch in a dog. No. Amer. Vet. 33:867-869. Dec. 1952. 41.8 N812

15615 KOUTZ, F. R. Demodex folliculorum studies. 1. The use of phenamidine as internal medication for the treatment of demodectic mange in the dog. Amer. Vet. Med. Assoc. J. 121:470-473. Dec.1952. 41.8 Am3

15616 LITTON, C. T. A rapid technic for spaying cats. J. Small Anim. Med. 1:13-19. July 1952. 41.8 J828

15617 LÓPEZ-PACHECO, O. A. Fifty canine distemper immunizations using avianized virus clinically. Amer. Vet. Med. Assoc. J. 121:468-469. Dec.1952. 41.8 Am3

15618 MCILNAY, J. Foreign body penetration. J. Small Anim. Med. 1:116-117. Sept.1952. 41.8 J828
Dogs.

15619 MACIVER, A. F., and MACIVER, B. R. When rabies strikes. Country Guide 71(11):7,32-33. Nov.1952. 7 G76
Rabies in dogs, Alberta and Manitoba.

15620 MANTOVANI, A., and BENAZZI, P. L'isolement de la Coxiella burnetii du chien naturellement infecté au moyen de la tique Rhipicephalus sanguineus. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:363-368. Ref. 1951. 41.9 So17
French and German summaries.

15621 MARSHAK, R. R. Injury of gastrointestinal tract by porcupine quills. Amer. Vet. Med. Assoc. J. 121:477. Dec.1952. 41.8 Am3
In a dog.

15622 MEYNARD, J. A. Fracture double du coude, chez le chien. Rev. de Méd. Vét. [Toulouse] 103:269-271. May 1952. 41.8 R32

15623 MONTI, F. Les effects de la streptomycine et de l'acide para-amino-salycilique dans un cas de tbc du chien. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:421-423. 1951. 41.9 So17
French and German summaries.

15624 MORRIS, P. G. D. Pseudo-hermaphrodite dog. Brit. Vet. J. 108:375-376. Oct.1952. 41.8 V643

15625 NESERKE, E. I. False extra-uterine pregnancy. Amer. Vet. Med. Assoc. J. 121:441-442. Dec. 1952. 41.8 Am3
In a cat.

15626 NITZ, K. J. Die experimentelle erzeugung einer C-avitaminose beim hund. Giessen,1951. 38 p. Ref. 41.2 N632
Inaug.-Diss. - Giessen.

15627 OTTEN, E. Beitrag zur otitis externa parasitaria; die bekämpfung der Otodectes-milbe bei katze und hund. Tierärztl. Umschau 7:423-425. Nov.1952. 41.8 T445

15628 PAPANDREA, E. Investigations on the spread of helminthiasis in the dog in Sardinia. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:490-493. 1951. 41.9 So17
English summary.

15629 PEDINI, B. Black-tongue in a dog. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:177-182. 1951. 41.9 So17
English summary.

15630 PELLISSIER, A., and TRINQUIER, E. A propos d'une épidémie de rage canine survenue a Brazzaville. Inst. Pasteur. Ann. 83:410-411. Sept.1952. 448.3 An75

15631 PLEBANI, R. Systematical researches on the presence of hyalin and amyloid in kidneys of dogs affected by interstitial nephritis. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:204-208. Ref. 1951. 41.9 So17
English summary.

15632 REAGAN, R. L., and BRUECKNER, A. L. Studies of Newcastle disease and canine distemper viruses in puppies. Vet. Med. 47:513-514. Dec.1952. 41.8 M69

15633 REMINGTON, J. W. An index to the bleeding volume of the dog. Amer. J. Physiol. 170:285-293. Ref. Aug.1952. 447.8 Am3

15634 REUTNER, T. F., and EADS, F. E. Chloromycetin (chloramphenicol): effect on hematopoietic system of dogs. J. Small Anim. Med. 1:115. Sept.1952. 41.8 J828

15635 RIDDELL, W. K. Caudal anesthesia in canine surgery. J. Small Anim. Med. 1:159-166. Oct.1952. 41.8 J828

15636 ROBERTS, S. R. Increased bleeding tendency in dogs and cats. Amer. Vet. Med. Assoc. J. 121:271-277. Ref. Oct.1952. 41.8 Am3

15637 SALUTINI, E. Cardiac catheterism in the dog. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:170-173. 1951. 41.9 So17
English summary.

15638 SASUM, H. Zur leptospirose des hundes. Giessen,1951. 39 p. Ref. 41.2 Sa73
Inaug.-Diss.—Giessen.

15639 SHOPMAKER, A. B., and EPSTEIN, E. E. Tuberculosis in a young Dachshund. Vet. Med. 47:525. Dec.1952. 41.8 M69

15640 STOCKTON, A. E. Canine hepatitis. J. Small Anim. Med. 1:191-192. Oct.1952. 41.8 J828

15641 TAYLOR, H. C. Aureomycin for cystitis in cats. J. Small Anim. Med. 1:59-61. Aug.1952. 41.8 J828

15642 TELLER, H. Über behandlung katarrhalischer, intestinaler und pektoraler staupe mit lachesis. Monatsh. f. Vetmed. 7:339-343. Ref. Sept.1,1952. 41.8 M742

15643 TURNBULL, N. R. Injuries to the stifle joint in young dogs. Vet. Rec. 64:735. Nov.15,1952. 41.8 V641

15644 WINTER, H., and STEPHENSON, H. C. A case of eosinophilic myositis in a dog. Cornell Vet. 42:531-537. Oct.1952. 41.8 C81

15645 YOUNG, W. A. Feline restraint and medication. J. Small Anim. Med. 1:107-114,167-173. (Cont.) Sept.-Oct.1952. 41.8 J828

15646 ZALTENBACH, P. Behandlungsversuche mit Polamivet (Hoechst) bei der nervösen form der hundestaupe. Tierärztl. Umschau 7:429. Nov.1952. 41.8 T445

Miscellaneous

15647 GROHE, C. Formbeurteilung des jagdgebrauchshundes unter zugrundelegung der lehre vom goldenen schnitt. Pirsch 4: 680-684. Oct.11,1952. 410 P66
With remarks by K. Andreas.

15648 LACKNER, H. Züchterische probleme um den deutschen Jagdterrier und andere jagd- und haushundrassen. Pirsch 4:618-619. Sept.13,1952. 410 P66

15649 LOWRY, R. K. Dealing with vicious dogs. All-Pets Mag. 23(10):62-63,65. Oct.1952. 48.8 AL5

15650 MITCHELL, L. M. This is why dog shows attract some fanciers. Amer. Kennel Gaz. 69(11):16,99. Nov.1952. 48.8 Am3

15651 MOXON, P. R. A. Faults in a gundog. III. Special training exercises for the dog which persists in refusing certain kinds of game, or runners. Field 200: 580. Oct.11,1952. 10 F45

15652 MURR, L. J. What every breeder-exhibitor should know. Amer. Kennel Gaz. 69(11):19,104. Nov. 1952. 48.8 Am3

15653 OGAWA, S., ed. Inu no hyakka jiten [Encyclopedia of dogs]. Tokyo,Seibudo Shinkosha,1951. 215 p. 48 Og1

15654 PALMER, G. F. Retraining that difficult pup. N. Z. Dog World 7(7):3-4. (Cont.) Aug.1952. 48.8 N48

15655 PALMER, G. F. What constitutes a gundog? N. Z. Dog World 7(8):2-3. (Cont.) Sept.1952. 48.8 N48

15656 ROIG, O. A. Dog psychology and training. (In Norwegian.) Norsk Kennel Klub. Tidsskr. 53:105-114. Aug.1952. 48.9 N81T

15657 SCHMICK, W. M. Has increase in fees harmed show entries? Amer. Kennel Gaz. 69(11):18,82. Nov.1952. 48.8 Am3

15658 SIX, J. Etude sur la façon de dresser un chien pour la defense ou le pistage, mener un aveugle, garder un troupeau. Chasse, Chiens et Venerie (n.s.)13(9):16-18. (Cont.) Oct.1952. 48.8 C43

15659 SMITH, C. E. Puzzling puppy purchases. Fur-Fish-Game 47(11):32-33. Nov.1952. 410 F962

15660 TØNSAGER, E. Judging hunting tests. (In Norwegian.) Norsk Kennel Klub. Tidsskr. 53:135-141. Sept. 1952. 48.9 N81T
Of dogs.

15661 TUCK, V. An American judge in England finds answer; here is one reason why British shows far surpass ours in number of dogs. Amer. Kennel Gaz. 69(11): 13,22. Nov.1952. 48.8 Am3

15662 WARD, J. D. U. Working dogs of the 'good old days.' Frontiers 17:46-48. Dec.1952. 410 F92

15663 WISE, P. E. Wanted: good judges. Cocker Spaniel Visitor 14(10):9-10. Oct.1952. 48.8 C64

FUR ANIMALS - PEN RAISED

Breeds and Breeding

15664 ABRAMOV, M. D., and PANENKOV, G. D. Ways of increasing the productivity of minks. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):41-45. Jan./Feb.1952. 49 K14
Mating chiefly.

15665 GOTHIER, F. C. How to select your breeding stock. U. S. Fur Rancher 31(4):8-9. Nov.1952. 412.629 Am3M
Minks.

15666 KOZHUSHNYĬ, T. I. On technique of mating minks. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):40-41. Jan./Feb.1952. 49 K14

15667 MEZGER, H. P., and VEASEY, J. Great improvement in mutations. Black Fox Mag. & Mod. Mink Breeder 36(7):44,69-71. Nov.1952. 410 B56

15668 NATIONAL CHINCHILLA BREEDERS OF AMERICA. Statistical report on chinchilla inspection. Natl. Chinchilla Breeder 8(8):14-15. Oct.1952. 412.628 N21
On breeding.

15669 SAFONOV, N. F. Greater attention to sable breeding on state farms. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):45-47. Mar./Apr.1952. 49 K14

15670 SHABUNĬA, E. F. Six whelps per Silver Black fox. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2): 61-63. Mar./Apr.1952. 49 K14

15671 SHACKELFORD, R. M., and MOORE, W. D. Mutations of the future. Black Fox Mag. & Mod. Mink Breeder 36(7):42-43,58-60. Nov.1952. 410 B56

15672 SHACKELFORD, R. M. Superfetation in the ranch mink. Amer. Nat. 86:311-319. Ref. Sept./Oct. 1952. 470 Am36

15673 STARKOV, I. D. On evaluating and rejecting male foxes according to the semen quality. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):77-78. Jan./Feb. 1952. 49 K14

Feeds and Feeding

15674 KING, K. W., and ORCUTT, F. S. Nutritional studies of the chinchilla, with special reference to ascorbic acid and thiamine. J. Nutr. 48:31-39. Ref. Sept.10,1952. 389.8 J82

15675 MELIN, G. Experiments with fresh slaughter waste, fresh fish and dried animal feed for minks. II. (In Swedish.) Våra Pälsdjur 10:242-244. Sept.15,1952. 410 V42

15676 POZDNIAKOV, E. V., and FIRSTOV, A. A. Effect of feeding method on digestibility of feeds in Polar foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):49-51. Mar./Apr.1952. 49 K14

15677 ROBERTS, W. L. Use of antibiotics on the mink ranch. U. S. Fur Rancher 31(4):3,12. Nov.1952. 412.629 Am3M
Feeding of antibiotics.

15678 SHISHLOV, V. G. On permissible quantity of meat in rations of fur animals. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):47-48. Mar./Apr.1952. 49 K14

15679 VISHNEVSKĬĬ, V. M. From the practices of feeding the young animals of Silver-Black foxes on Belorusskii fur animal state farm. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):52-53. Jan./Feb.1952. 49 K14

Veterinary Medicine

15680 HURD, R. Chloromycetin. Fur Trade J. Canada 30(3):18-21. Nov.1952. 410 F965
Chinchilla care.

15681 OMEL'CHENKO, T. M. Investigation of gastric juice in Blue Polar foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):72-73. Jan./Feb.1952. 49 K14

15682 PETROV, A. M., and PANYSHEVA, L. V. Treatment of Capillaria infestation of the stomach and bladder in minks and sables with phenothiazine. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):70-71. Jan./Feb.1952. 49 K14

15683 RADKEVICH, P. E., and GRABOVSKIĬ, A. V. Dosages of urotropin for Silver-Black foxes in suboccipital injection. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):72. Mar./Apr.1952. 49 K14

Miscellaneous

15684 AFANAS'EV, V. A. Problems of the state farms of the Principal Fur Animal Industry in 1952. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):33-37. Jan./Feb.1952. 49 K14

15685 FREITAG, C. Zur nerzsituation. Deut. Pelztierzüchter 26:184-185. Oct.25,1952. 412.628 D48

15686 GRIBOV, N. S. Tyrmass fur animal farm of Estonian SSR. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):56-61. Mar./Apr.1952. 49 K14

15687 KUPPER, H. Die weiterentwicklung der standardnerzzucht. Deut. Pelztierzüchter 26:189-191. Oct.25,1952. 412.628 D48

15688 LOFVENBERG, S. Chinchillas. (In Swedish.) Våra Pälsdjur 10:253-256. Sept.15,1952. 410 V42
Includes care and breeding.

15689 MELENT'EV, V. A., and POPOV, A. P. On urgent problems of the State muskrat farms. (In Russian) Karakulevodstvo i Zverovodstvo 5(1):38-39. Jan./Feb. 1952. 49 K14

15690 MIKHAĬLOV, A. E. Fur animal farming on collective farms in Tumen Region. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):51-56. Mar./Apr.1952. 49 K14

15691 PISKUNOV, E. I. From the practices of the fur animal farms in the Extreme North [U.S.S.R.]. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):76-77. Jan./Feb.1952. 49 K14

15692 REICHERT, E. Nutzanwendungen zum erreichen eines hohen fellerlöses in der edelwaschbärzucht. Deut. Pelztierzüchter 26:186-188. Oct.25,1952. 412.628 D48

15693 ROBB, E. G. Mink raising takes guts. Fur-Fish-Game 47(12):38-39,54. Dec.1952. 410 F962

15694 SCHMIDT, F. Climate and quality of mink fur. (In Swedish.) Våra Pälsdjur 10:245-249. Sept.15,1952. 410 V42

15695 SPREHN. Aus der Abteilung für Pelztierhaltung an der Bundesforschungsanstalt für Kleintierzucht Celle. Deut. Pelztierzüchter 26:188-189. Oct.25,1952. 412.628 D48

15696 STEVENSON, J. Notes on British marten breeding. Brit. Fur Trade 34:433. Nov.1952. 412.628 B77

15697 SVERIGES PALSDJURSUPPFODARES RIKSFORBUND. Report of the activities of the Swedish Fur Farmers Association for the fiscal year 7, 1, 1951-6, 30, 1952. (In Swedish.) Våra Pälsdjur 10:234-240. Sept.15,1952. 410 V42

15698 WEISE, H. Erfahrungen mit freigehegen. Deut. Pelztierzüchter 26:181-184. (Cont.) Oct.25,1952. 412.628 D48

HORSES AND MULES

Breeds and Breeding

15699 ANDERSSON, S. The crisis in horse breeding. (In Swedish.) Lantmannen 36:954-955. Nov.22,1952. 11 L234

15700 BOBYLEV, I. F. In regard to indexes of the working capacity of horses of Budennyi breed. (In Russian.) Konevodstvo 22(6):21-29. June 1952. 42.8 K832

15701 BURCH, P. M. Training Thoroughbred horses; stable management. Blood-Horse 64:1104-1105,1158-1159,1182. (Cont.) Nov.22-29,1952. 42.8 T392

15702 COLENBRANDER. The national exhibit of the Netherlands draft horse. I. (In Dutch.) Nieuwe Veldbode 19(2):23-25. Oct.9,1952. 12 V542N

15703 ESTES, J. A. Probability in selecting broodmares. Blood-Horse 64:1162,1164-1166,1168,1188-1192. Nov.29,1952. 42.8 T392

15704 FRANKE, E. R. Der einfluss des hengstes Gaulois du Monceau auf die pferdezucht Sachsen-Anhalts. Tierzucht 6:313-316. Sept.1952. 49 T443

15705 JESPERSEN, J. Development of Danish animal husbandry during 50 years. I. (In Danish.) Tidsskr. f. Landøkon. 10:397-416. Oct.1952. 11 T43
Chiefly on breeding and feeding of horses.

15706 JORDÃO, L. P., CAMARGO, M. X. DE, and GOUVEIA, P. F. Efficiency of reproduction in the Mangalarga horse farm, Coudelaria Paulista. (In Portuguese.) Cong. Bras. de Vet. An. 5:531-562. Ref. 1950,pub.1951. 41.9 C7695A

15707 JYNGE, A. The grey horse in Hadeland and the Rognholt horses in Torpa. (In Norwegian.) Våre Hester 29(3):6-7. Aug.1952. 42.8 V42

15708 KOKHV, F. F. On the participation of indigenous breeds of horses in the development of the Tori breed. (In Russian.) Konevodstvo 22(6):13-20. June 1952. 42.8 K832

15709 LUND, H. La Yeguada Militar; a story of the Thoroughbred in historic Spain. Thoroughbred Rec. 156(24):18-19,31. Dec.13,1952. 42.8 T39

15710 MOLDESTAD, J. The stallions at Nordfjordeid and some more. (In Norwegian.) Våre Hester 29(3):23. Aug.1952. 42.8 V42
Judging.

15711 NECHIPORENKO, G. V. Summary of achievements of the State Breeding Stables and problems of 1952. (In Russian.) Konevodstvo 22(6):6-12. June 1952. 42.8 K832

15712 NISHIKAWA, Y., and others. Studies on the effect of day length on the reproductive function in horses. I-II. (In Japanese.) Natl. Inst. Agr. Sci. B. Ser. G: Anim. Husb. 3:35-43,45-52. Ref. Mar.1952. 49.9 C434
I, by Y. Nishikawa, T. Sugie and N. Harada; II, by Y. Nishikawa and T. Horie.
English summary and tables.

15713 NORDANG. On the stallions at Nordfjordeid. (In Norwegian.) Våre Hester 29(3):22. Aug.1952. 42.8 V42
Judging.

15714 ROUMIGUIERE, F., and DELLEPIANE GALLI, A. D. El Percheron en nuestro pais. Res 20:26849-26850. Mar.5,1952. 286.85 R31
Argentina.

15715 SANDERS, T. Quarter horses. Horse Lover's Mag. 17(3):20-21,61. Oct./Nov.1952. 42.8 H7852

15716 SCHAUS, R. Jeb Stuart's Quarter Horse system. West. Livestock J. 30(58):230-232. Oct.15,1952. 6 F2278

15717 SCHULZE DIECKHOFF. Gedanken zu einem heuerlingsgesetz. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1865-1867. Nov.13,1952. 18 L2346

15718 THOROUGHBRED BREEDERS' ASSOCIATION. Thirty-sixth annual report, 1952. London,1952. 13 p. 42.9 T39A

15719 UGRÏUMOV, B. A. The transmission of the temperament of the sires to offspring. (In Russian.) Konevodstvo 22(8):37. Aug.1952. 42.8 K832

Feeds and Feeding

15720 GIVE your horses good pastures. West. Livestock J. 30(58):217,219,221-222. Oct.15,1952. 6 F2278

15721 ZWAGERMAN, C. The feeding of our agricultural work horse. (In Dutch.) Landbode 6(41):11. Oct. 16,1952. 12 L234

Veterinary Medicine

15722 ALEXANDER, F., MACPHERSON, M. J. D., and OXFORD, A. E. Fermentative activities of some members of the normal coccal flora of the horse's large intestine. J. Compar. Path. & Ther. 62:252-259. Ref. Oct.1952. 41.8 J82

15723 BACLIG, A. F. Cowlicks in horses. Philippine Agr. 35:186-195. Sept.1951. 25 P542

15724 BANG, F. B., and GEY, G. O. Comparative susceptibility of cultured cell strains to the virus of eastern equine encephalomyelitis. Johns Hopkins Hosp. B. 91:427-461. Ref. Dec.1952. 448.8 J63B

15725 BRUNAUD, M., and DUSSARDIER, M. Recherches sur la motricité du tube digestif des équides. II. Motricité normale du duodenum et du caecum. Rev. de Méd. Vét. [Toulouse] 103:342-355. Ref. June 1952. 41.8 R32

15726 CRONIN, M. T. I. The characters of streptococci isolated from the uteri of Thoroughbred mares in Ireland. J. Compar. Path. & Ther. 62:260-265. Ref. Oct.1952. 41.8 J82

15727 DAKIN, W. V. Bone development. Thoroughbred Calif. 15:356,382-384. Nov.1952. 42.8 T393
Of Thoroughbreds.

15728 DEVAUTOUR, J. Sur un cas d'emphysème du cheval traité par "l'Hippospasmine." Rev. Vét. Mil. 7: 160-162. 1952. 41.8 R3295

15729 DOLL, E. R., and HULL, F. E. The Grayson Foundation--a report on its sponsorship of equine virus abortion research. Harness Horse 18:644,648,650. Dec. 10,1952. 42.8 H22

15730 FISCHER, S. Beitrag zu den allergischen erkrankungen des pferdes. Giessen,1951. 28 p. Ref. 41.2 F524

15731 GHISLENI, P. Criteria for determination of the injury caused to a horse by an automobile accident. (In Italian.) Prog. Vet. 7:721-722,724. Nov.1,1952. 41.8 P942

15732 GJESTVANG, P. Care of the hoofs of the horse. (In Norwegian.) Våre Hester 29(3):8-10. Aug.1952. 42.8 V42

15733 GOLD, N. The technical and practical application of electro-therapy in equines. Vet. Rec. 64:681-688. Nov.8,1952. 41.8 V641
Includes discussion.

15734 GUILLAUMIE, M., and others. Propriétés de divers sérums anti-gangreneux au cours de l'immunisation du cheval. Inst. Pasteur. Ann. 83:360-366. Sept. 1952. 448.3 An75
A. Kréguer, M. Geoffroy, and G. Réade, joint authors.

15735 HANDER, R. C. Spaying filly foals. Jen-Sal J., Oct.1952.:5-6. 41.8 J45

15736 HINSHAW, E. R. Equine lymphangitis: a case report. Vet. Med. 47:523-524. Dec.1952. 41.8 M69

15737 HUTCHINS, D. R. Equine colic with particular reference to impaction of the ileocaecal valve. Austral. Vet. J. 28:236-241. Ref. Sept.1952. 41.8 Au72

15738 ĬAZYKOVA, K. N. Pathologico-morphological changes in the liver and spleen of pigeons utilized in the biological test for equine infectious anemia. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:113-123. 1951. 41.9 K522

15739 JOSEPH, H. Le diagnostic biologique de la gestation chez la jument par la réaction de Galli-Mainini adaptée au panthérin d'Algérie. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:25-43. Ref. Jan./Mar.1952. 410.9 So125

15740 KEDROV, V. K. Rectal examination of ovulation in mating of mares and cows. (In Russian.) Sovet. Zootekh. 7(7):85-86. July 1952. 49 So822

15741 KOROL'KOV, A. G. Production indexes in relation to dates of parturition of mares under tabun conditions. (In Russian.) Konevodstvo 22(6):30-32. June 1952. 42.8 K832

15742 KRAHNERT, R. Zum magenkrebs des pferdes. Monatsh. f. Vetmed. 7:399-404. Ref. Oct.15,1952. 41.8 M742

15743 KUMMER, H. Vergiftungen bei pferden durch Adonis in luzerneheu. Tierärztl. Umschau 7:430-431. Nov.1952. 41.8 T445

15744 LANDI, A. Some histochemical reactions of amyloid in the internal organs of serum-horses. (In Italian.) Soc. Ital. delle Sci. delle Sci. Vet. Atti. 5:195-198. Ref. 1951. 41.9 So17
English summary.

15745 LEUTHOLD, A. Die schulterbursitis beim pferd. Schweiz. Arch. f. Tierheilk. 94:724-731. Nov. 1952. 41.8 Sch9
English summary.

15746 LIEBISCH, H. Erfahrungen über den nachweis von tetanusinfectionen in stark mischinfizierten eintrittspforten (hufverletzungen, nabelabszess). Wien. Tierärztl. Monatsschr. 39:599-613. Ref. Oct.1952. 41.8 T345
English summary.

15747 MASCARO, L. A. Presentacion de dos casos de tetania en yeguas madres. Rev. de Med. Vet. [Buenos Aires] 33:289-291. Oct./Dec.1951. 41.8 B86

15748 MILLAR, R. Equine colic. Austral. Vet. J. 28:241-245. Ref. Sept.1952. 41.8 Au72

15749 MILLER, W. C., and HICKMAN, J. Electrocardiography in the horse. Vet. Rec. 64:688-696. Nov.8,1952. 41.8 V641
Incl. disc.

15750 MONTEVERDE, J. J., and GARBERS, G. V. Estreptococos hemoliticos e infecciones en la yegua P. S. C. Rev. de Med. Vet. [Buenos Aires] 33:297-298. Oct./Dec.1952. 41.8 B86

15751 NICOL, L. Aptitude du cheval de troupe à la production des sérums thérapeutiques, principalement à la production de l'antitoxine tétanique. Rev. Vét. Mil. 7: 145-155,162. Ref. 1952. 41.8 R3295

15752 NISHIHARA, Y., and FUJINO, Y. On lactic acid and total CO_2 in plasma of the horse in exercise. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 8:121-123. Mar.1952. 107.6 H68
English summary.

15753 OLEĬNIK, N. K., and KURAPOVA, T. I. Testing a diagnostic sample on pigeons in equine infectious anemia. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:97-112. Ref. 1951. 41.9 K522

15754 PODLIACHOUK, L., and EYQUEM, A. Les groupes sanguins des Equidés. II. Inst. Pasteur. Ann. 83: 405-407. Sept.1952. 448.3 An75

15755 QUINLAN, J., and others. The treatment of obstinate retention of meconium in the foal by laparotomy. So. African Vet. Med. Assoc. J. 23:187. Sept.1952. 41.8 So8
G. Faull, D. Burgess, and I. Banks, joint authors.

15756 RICHTER, W. Ein fall von asthma bronchiale beim pferd. Monatsh. f. Vetmed. 7:383-386. Ref. Oct.1, 1952. 41.8 M742

15757 ROMERO JIMENEZ, R. Contribución al estudio de los cólicos de los équidos. Col. Prov. de Vet. de Burgos. B. 66:15-26. Aug.1952. 41.9 B91

15758 SAINT-MARTIN, A. Prophylaxie et traitement de l'ictère du muleton. Rev. de Méd. Vét. [Toulouse] 103: 263-268. May 1952. 41.8 R32

15759 SCOTT, M. L. Notes on a successful effort to treat horses which bleed. Blood-Horse 64:1008. Nov.8, 1952. 42.8 T392

15760 SPAIS, A. La lymphangite epizootique. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 5: 31-37. Jan./Mar.1952. 41.9 So18
French summary.
Of mules.

15761 TEICHMANN, J. Zur frage der aktiven immunisierung der pferde mit tetanus-adsorbat-impfstoff. Wien. Tierärztl. Monatsschr. 39:659-668. Ref. Nov.1952. 41.8 T345
English summary.

15762 TOYGARLI, S. A. Über einen fall von osteomyelitis malleosa. Deut. Tierärztl. Wchnschr. 59:327-328. Nov.1,1952. 41.8 D482
Of horse.

15763 TUFVESSON, G. Lymphangitis in horses. IV. A study of the blood coagulability. Nord. Vetmed. 4:1046-1060. Nov.1952. 41.8 N813

15764 VERGE, J., and others. Recherches sur l'avortement à virus des juments. Rec. de Méd. Vét. 128: 197-205. Apr.1952. 41.8 R24
A. Lucas, L. Cauchy, L. Andral, and A. Paraf, joint authors.

15765 WETZEL, R. Das blutbild eines ponyfohlens nach künstlicher ansteckung mit Strongylus edentatus. Deut. Tierärztl. Wchnschr. 59:322-323. Ref. Nov.1,1952. 41.8 D482

Miscellaneous

15766 AVDEEV, V. Testings of pedigreed horses in 1951 and problems of the hippodromes in 1952. (In Russian.) Konevodstvo 22(6):42-45. June 1952. 42.8 K832

15767 BANZON, M. G., JR. The effect of World War II on the quality of the horses in Bay, Calauan, and Pila, Laguna. Philippine Agr. 35:202-206. Sept.1951. 25 P542

15768 BRACHO, M. E. Branding the horses of the Conquest. West. Horseman 17(12):16,48-51. Dec.1952. 42.8 W522

15769 CANGAO, F. P. The horses found in Santo Tomas, Tanauan, and Malvar, Batangas. Philippine J. Anim. Indus. 11:115-125. Second/Fourth Q.1950,pub.1952. 49.9 P53P

15770 JEFFERY, K. B. Jeffery's magic hold. IV. Past. Rev. 62:945-947. Sept.16,1952. 23 Au75
Training horses.

15771 KASHTANOV, V. V. In regard to improving the conducting of hippodromic testings of horses of saddle and saddle-draft breeds. (In Russian.) Konevodstvo 22(6):33-38. June 1952. 42.8 K832

15772 LEE, H. Prize colts and how to train them. Morgan Horse Mag. 12(11):12. Dec.1952. 42.8 M82

15773 PABST. Zwischen aller und leine. Hannoversche Land- u. Forstwirt. Ztg. 105:978. Sept.27,1952. 18 H194
Horse show.

15774 PORTER, W. H. Raise 'em to use! West. Livestock J. 30(58):212,215-216. Oct.15,1952. 6 F2278
Horses.

15775 PORTER, W. H. We need more geldings. Horse Lover's Mag. 17(3):46-47,56. Oct./Nov.1952. 42.8 H7852
As cow horses and riding horses.

15776 REUSS, P. Die wirtschaftlichkeit der pony- und kleinpferdehaltung im bäuerlichen betrieb. Deut. Landwirt.-Gesell. Mitt. 67:654-655. Sept.13,1952. 18 N39
Types and value as draft animals.

15777 RUDOFSKY, H. Über das training der fohlen. Tierzuchter 4:413-414. Aug.20,1952. 49 T445

15778 SALVADOR, A. R. N. The acclimatization of Argentine horses in Portugal. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:131-141. Apr./June 1952. 41.8 R3215

15779 YOUNG, J. R. The horse tamers. West. Horseman 17(12):22-23,56-57. Dec.1952. 42.8 W522

LABORATORY ANIMALS, SMALL

Breeds and Breeding

15780 MARIOTH, C. Die zucht der meerschweinschen. Deut. Kleintier-Züchter 7(17):6-7. Sept.5, 1952. 49 D483

15781 WARREN, E. P., and BOGART, R. Effect of selection for age at time of puberty on reproductive performance in the rat. Oreg. Agr. Expt. Sta. Tech. B. 25, 27 p. Ref. July 1952. 100 Or3S

Veterinary Medicine

15782 ABERNATHY, R., and SPINK, W. W. The influence of cortisone and adrenocorticotrophic hormone on brucellosis. I. Cortisone in experimentally infected animals. J. Clin. Invest. 31:947-957. Ref. Nov.1952. 448.8 J8295

15783 CURTO, G. M. Vitamin E and experimental brucellosis. (In Italian.) Arch. Vet. Ital. 3:193-214. Ref. June 30,1952. 41.8 Ar25
English summary.
Tests with guinea pigs.

15784 HAAS, G. Untersuchungen über die wirkungen des synthetischen follikelhormonpräparates foragynol auf ovarium und uterus von meerschweinchen. Giessen, 1951. 67 p. Ref. 444 H118
Inaug.-Diss. - Giessen.

15785 MANTOVANI, G., and MAGLIONE, E. Comparative research on the use of bacitracin, streptomycin, aureomycin and terramycin in the treatment of experimental pasteurellosis in guinea pigs. (In Italian.) Arch. Vet. Ital. 3:297-309. Ref. Aug.31,1952. 41.8 Ar25
English summary.

15786 ROMANELLI, V. Influence of mesomucinase on the development of experimental aphthous infection in guinea pigs. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:338-341. 1951. 41.9 So17
English summary.

Miscellaneous

15787 RIDDING, W. E. The hamstery. All-Pets Mag. 23(10):98-99. Oct.1952. 48.8 AL5

POULTRY

Breeds and Breeding

15788 BERNIER, P. E. Poultry breeding for the future. Canad. Poultry Rev. 76(11):25-26. Nov.1952. 47.8 C16

15789 BERNIER, P. E. Shortcuts in poultry breeding. Canad. Poultry Rev. 76(11):26-28. Nov.1952. 47.8 C16

15790 BOYD, A. M. How to breed Blue Laced Satinettes. Amer. Pigeon J. 41:325. Nov.1952. 47.8 Am35

15791 BYWATERS, J. H. New poultry plant facilities aid breeding, other research. Va. Poultryman 6(10):43, 134-138. Oct.1952. 47.8 V812
At VPI.

15792 CARLSON, A. W. Middlesex fryer trials test present breeding. Turkey World 27(11):16,65-66. Nov. 1952. 47.38 T84

15793 CHERRY, M. Turkey breeding without tears. Farmer & Stock-Breeder 66:50-51. Nov.18/19,1952: 10 F228

15794 CONRAD, F. J. Le Rouen Américain. Cocoricos du Monde 7(10):8-9. Oct.1952. 47.8 C64

15795 DAVYDOV, S. G., and FOMIN, A. I. For extensive introduction of industrial crossing into poultry breeding. (In Russian.) Ptitsevodstvo 7:6-10. July 1952. 47.8 P95

15796 DUFFY, A. Contributions of the Cochins. Amer. Poultryman 15(8):11. Dec.1952. 47.8 So86

15797 ELLIS, G. Delawares; a dual-purpose commercial standardbred fowl. Amer. Poultryman 15(8):16-18. Dec.1952. 47.8 So86

15798 ELLIS, W. Hamps dominate UNH broiler test. N. H. Breeder & Broiler Grower 15(3):4,37. Autumn 1952. 47.8 N45

15799 FARNEK, J. Die pfautaube. Österr. Kleintierzüchter 17/18:139. (Concl.) Sept.1952. 49 Os7

15800 FOSTER, J. C., JR. Pigeon racing. Amer. Racing Pigeon News 68(11):1-3;(12):1-2. (Cont.) Nov.-Dec.1952. 47.8 H75
This section is on breeding.

15801 GLEICHAUF, R. Deutsche Kennhuhnzüchtung. Geflügelhof 15:639-641. Oct.3,1952. 47.8 G276

15802 GONZALEZ SILVA, E. J. La raza de gallinas Leghorn. Pampa Argentina 25(290):20-21. Feb.1952. 9 P19

15803 HAYS, F. A. Broodiness eradicated in Rhode Island Reds. Res. Rev. [Mass. Sta.] 1:12-13. Jan.1952. 100 M38R

15804 HEITZ, T. W. The future of the Beltsville White turkey. Va. Poultryman 6(10):52,101-102. Oct. 1952. 47.8 V812

15805 HILGER, R. 100 jahre blaue Andalusier. Geflügelhof 15:654-655. Oct.10,1952. 47.8 G276

15806 HILL, A. T. Are hatcherymen missing the boat? Canad. Poultry Rev. 76(11):29-32. Nov.1952. 47.8 C16
Poultry breeding.

15807 IYER, S. G. Poultry breeding; selection of breeders. Indian Farming (n.s.)2(7):14-15,31. Oct.1952. 22 In283

15808 JULL, M. A. Wanted—light undercolor. Hatchery & Feed 26(11):53-55. Nov.1952. 47.8 H28
Poultry genetics.

15809 KNOWLES, T. E. Family breeding made simple. Poultry Field 5(11):4-5. Oct.9,1952. 47.8 P8655

15810 KOSIN, I. L. World expert examines breeding and environmental influences. Poultry Field 5(12):9. Oct.23,1952. 47.8 P8655
In egg production.

15811 LARIONOV, V. F. Reproduction, molting, and their correlation in pigeons. (In Russian.) Ptitsevodstvo 10:5-10. Oct.1952. 47.8 P95

15812 MACKLIN, H. P. Pigeon portraits; the American Magpie pigeon. 2. Amer. Pigeon J. 41:328-329,332-333. Nov.1952. 47.8 Am35

15813 MICHELS, J. Races avicoles pures et hybrides. Agriculteur 56(42):3. (Cont.) Oct.19,1952. 13 B63P

15814 MITCHELL, M. S. Increased fertility secured by heat conditioning turkey males. (Excerpts.) Canada Poultryman 39(10):26-27. Oct.1952. 47.8 C166

15815 MOORE, S. A. What are the breed trends? Turkey World 27(11):38,42. Nov.1952. 47.38 T84

15816 MUNRO, S. S. Queen of the West—a story of heterosis in Leghorns. Co-op Chick News 24(2):8-9,14. Apr./June 1952. 47.8 C783

15817 PANKRAT'EV, G. V. Turkeys of Moscow Region. (In Russian.) Sovet. Zootekh. 7(7):89-91. 49 So822
Breeding.

15818 PEHRINGER, J. F. Black Langshans. Amer. Poultryman 15(8):5-6,9. Dec.1952. 47.8 So86

15819 PLATT, C. S. Let's find the "Hen-of-Tomorrow". N. H. Breeder & Broiler Grower 15(3):10-12. Autumn 1952. 47.8 N45
Breeding for egg production.

15820 QUISENBERRY, J. H. Contributions of the American Poultry Association to the poultry industry. Amer. Poultryman 15(7):6. (Cont.) Nov.1952. 47.8 So86
Breeding.

15821 RADFORD, F. W. Plymouth Rock Bantams. All-Pets Mag. 23(10):90,93. Oct.1952. 48.8 AL5

15822 RAUCK, K. Unsere Sussex. Deut. Kleintier-Züchter. Ausg. Geflügel 7(17):8. Sept.5,1952. 47.8 D484

15823 RAWSON, A. Development of Budapest Tumblers. Amer. Pigeon J. 41:324,332. Nov.1952. 47.8 Am35

15824 READMAN, N. From a breeder's point of view. Poultry Indus. [Milford] 18(209):7-8. Dec.4,1952. 47.8 P8644

15825 REINSMITH, R. A. Japanese Bantams. Amer. Poultryman 15(8):7,9-10. Dec.1952. 47.8 So86

15826 RÜBENSTRUNK. Die Paduaner. Deut. Kleintier-Züchter. Ausg. Geflügel 7(18):1-3. Sept.20,1952. 47.8 D484

15827 SMITH, H. E. Bantams and miniature fowl. Poultry World 91(19):i-v. Nov.6,1952. 47.8 P8682

15828 THOMASCHEK, R. Wie ich Mövchenzüchter wurde. Deut. Kleintier-Züchter. Ausg. Geflügel 7(17):1-2. Sept.5,1952. 47.8 D484

15829 TURNER, F. Give this system a trial. Mod. Poultry Keeping 67:487. Nov.12,1952. 47.8 Eg3
Breeding method.

15830 TURNER, G. A. About Bantams two generations ago. Bantam Mag. 11(3):5-7. (Cont.) Sept.1952. 47.8 B22

15831 VANTRESS, C. D. Questions and answers on Vantress cross and the Chicken-of-Tomorrow contest. n.p.,1951? 9 p. 47 V36

15832 VERSTEEG, H. La couleur des Gazzis. Cour. Hort. 14:508. Sept.1952. 80 C834

15833 VLADIMIROVA, ÏU. N. Talov Incubatory Poultry Breeding Station. (In Russian.) Sotsialist. Zhivotnovod. 14(5):71-73. May 1952. 49 So71

15834 WARREN, D. C. Breeding for broiler production. Turkey World 27(11):20-21. Nov.1952. 47.38 T84

15835 WILSON, G. R. These are the recommendations from the R. O. P. breeders' schools. Canad. Poultry Rev. 76(11):23. Nov.1952. 47.8 C16

Feeds and Feeding

15836 BARCELO GARCIA DE PAREDES, A. La alimentación de las aves; el hierro y el cobre. Pampa Argentina 25(290):4. Feb.1952. 9 P19

15837 BLACK, D. J. G., and others. The use of different quantities of dried skimmed milk and riboflavin supplement in chick rations. J. Sci. Food & Agr. 3:551-555. Nov.1952. 382 So12
J. Getty, T. R. Morris, and J. Palgrave, joint authors

15838 BOLOTNIKOV, A. M. Earthworms—a valuable feed for chicks. (In Russian.) Ptitsevodstvo 8:15-16. Aug.1952. 47.8 P95

15839 CARRICK, C. W. Soybean oil meal and corn in poultry feeds. Grain & Feed J. Consolidated 109(11): 40-42. Dec.10,1952. 298.8 G762

15840 CHRISTENSEN, A. Ought we to use antibiotics for poultry? (In Danish.) Andelsbladet 53:1169-1170. Nov.6,1952. 280.28 An2

15841 COUCH, J. R. A roundup on turkey feeding. Turkey World 27(12):40-41,88-89. Dec.1952. 47.38 T48

15842 COUCH, J. R. What can you expect from antibiotics? Common questions on the use of antibiotics in poultry feeds. Poultry Tribune 58(12):8,32-33. Dec.1952. 47.8 P8642

15843 FERRARA, B. Effect of some substances on the weight increase in chicks—experimental researches. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:131-137. 1951. 41.9 So17
English summary.

15844 GALIANI, I. The earthworm as protein food for poultry. (In Hebrew.) Hassadeh 32:552-553. Aug./Sept.1952. 26 H27

15845 GRAU, C. R. Aspects of protein nutrition. Flour & Feed 53(6):12-13. Nov.1952. 298.8 F66
In poultry.

15846 HEIMAN, V. Turkey nutrition and feeding problems. Grain & Feed J. Consolidated 109(9):19-21. Nov.12,1952. 298.8 G762

15847 HEUSER, G. F. Antibiotics and surfactants for poultry. Grain & Feed J. Consolidated 109(9):25-26. Nov.12,1952. 298.8 G762

15848 HILL, F. W. Energy requirements of chickens. Grain & Feed J. Consolidated 109(10):20-23. Nov.26, 1952. 298.8 G762

15849 HILL, F. W. Feed efficiency: keynote in poultry nutrition. Feedstuffs 24(45):34,38,40-42. Nov. 8,1952. 286.81 F322

15850 HOIE, J. Antibiotics. (In Norwegian.) Norsk Landbr. 18:379-382. (Concl.) Oct.24,1952. 11 N8122
As feed for chicks.

15851 JOHNSON, E. A. Grains in poultry rations. Coop. Poultryman 17(11):12-13. Nov.1952. 47.8 C782

15852 JOHNSON, E. L. Protein quality and quantity and unidentified factors in poultry nutrition. Feedstuffs 24(49):46,48. Dec.6,1952. 286.81 F322

15853 JUKES, T. H., and STOKSTAD, E. L. R. Further observations on the utilization of homocystine, choline and related compounds by chicks. J. Nutr. 48: 209-229. Oct.10,1952. 389.8 J82

15854 KOON, A. W. Finish your turkeys. Turkey World 27(11):54-55. Nov.1952. 47.38 T84

15855 KRATZER, F. H. The effect of vitamin B_{12} upon the utilization of choline and betaine by the young poult. J. Nutr. 48:201-207. Ref. Oct.10,1952. 389.8 J82

15856 KRATZER, F. H., and others. Effects on growth of chicks and poults of feeding yeast isolated from streptomycin-fed poults. Soc. Expt. Biol. & Med. Proc. 81:312-315. Oct.1952. 442.9 So1
M. P. Starr, D. M. Reynolds, and C. R. Grau, joint authors.

15857 LEE, C. E. Feeding problems with the laying flock. Everybodys Poultry Mag. 57(11):9,22-27. Dec. 1952. 47.8 F213P

15858 MCCLYMONT, G. L., and DUNCAN, D. C. Studies on nutrition of poultry. III. Toxicity of grain sorghum for chickens. Austral. Vet. J. 28:229-233. Sept. 1952. 41.8 Au72

15859 MACHT. Wandel in der hühnerfütterung. Deut. Wirtgeflügelzucht. 5:15. Oct.11,1952. 47.8 D483

15860 MACINTYRE, T. M., and JENKINS, M. H. Kelp meal in the ration of growing chickens and laying hens. Sci. Agr. 32:559-567. Ref. Nov.1952. 7 Sci2

15861 MCKAY, W. Vitamin requirements. Poultry World 91(17,sup.):i-vi. Oct.23,1952. 47.8 P8682

15862 MACKROTT, H. Die ausnutzung billiger futtermittelguellen für geflügel. Deut. Wirtgeflügelzucht. 4:595,602-603,618-619. Sept.13-27,1952. 47.8 D483

15863 MARTLAND, J. J. Making the best of home grown foods. Poultry Field 5(12):11-12. Oct.23,1952. 47.8 P8655
Poultry feeding.

15864 MASLIEVA, O. I. Use of hay meal for feeding poultry. (In Russian.) Ptitsevodstvo 7:15-18. July 1952. 47.8 P95

15865 MÜHL, H. W. Spurenelemente im geflügelfutter. Deut. Kleintier-Züchter. Ausg. Geflügel 7(17):4-5. Sept. 5,1952. 47.8 D484

15866 MUNRO, S. S., LOHMAN, H., and GOMBOS, G. Relative cost of producing eggs on high and low energy feeds. 1. Co-op Chick News 24(2):4-5. Apr./June 1952. 47.8 C783

15867 PAÑOS MARTI, P. El caracol en la alimentación de patos. B. de Divulg. Ganad. [Ciudad Real] 7(70/72):21-23. Apr./June 1952. 49.9 Sp14

15868 PATRICK, H. Broilers with less feed. Tenn. Agr. Expt. Sta. Prog. Rpt. 3:4. July/Sept.1952. 100 T25F

15869 PEROTTI, R. M. Condiciones esenciales de la ración avícola. Mundo Agr. 4(40):32-33. Sept.1952. 9 M92

15870 PETERSEN, N. Versuche mit verschiedenem eiweissgehalt im futter für eierlegende hühner; (was dänische staats-fütterungsversuche zeigen). Geflügelhof 15:589-590. Sept.12.1952. 47.8 G276

15871 PIGAREV, N. V. In regard to norms in feeding of hens. (In Russian.) Ptitsevodstvo 7:18-21. July 1952. 47.8 P95

15872 PIGAREV, N. V. Standardization of feeding hens at the poultry factories. (In Russian.) Mîasnaîa Indus. SSSR. 23(2):86-90. Mar./Apr.1952. 50.8 M58

15873 RÖMER, R. R. Der futterwert des auslaufes für die hühner. Geflügelhof 15:573-575. Sept.5,1952. 47.8 G276

15874 SCOTT, M. L. Recent nutritional work with geese. Poultry Indus. [Boston] 58(3):11. Nov.1952. 47.8 N44

15875 SLOAN, H. J., PILKEY, A. M., and BRIGGS, G. M. What is the best ration for growing turkeys? Minn. Farm & Home Sci. [Minn. Sta.] 10:16-17. Oct.1952. 100 M668

15876 SMETNEV, S. I. On protein standards in rations for hens. (In Russian.) Ptitsevodstvo 10:11-13. Oct.1952. 47.8 P95

15877 SUVOROV, K. G. Utilization of liquid yeasts as feed for poultry. (In Russian.) Ptitsevodstvo 8:13-15. Aug.1952. 47.8 P95

15878 TEMPERTON, H. How to save feed costs. Mod. Poultry Keeping 67:518-519. (Cont.) Nov.19,1952. 47.8 Eg3

15879 WASHINGTON. STATE COLLEGE. POULTRY COUNCIL. Feeding and management of layers. Wash. State Col. Ext. P. 349,8 p. Sept.1952. (Poultry Pointers 20, rev.) 275.29 W27Pou

Veterinary Medicine

15880 ADLER, H. E., and NILSON, M. A. Immunization of turkeys against swine erysipelas with several types of bacterins. Canad. J. Compar. Med. 16:390-393. Ref. Nov.1952. 41.8 C162

15881 ANGER. Hühnerpest. Tierzucht 6:306-308. Sept.1952. 49 T443

15882 ARRINGTON, L. R., FOX, M. H., and BERN, H. A. Androgen content of testis and adrenal of White Leghorn cockerels. Endocrinology 51:226-236. Ref. Sept.1952. 448.8 En2

15883 ATANASIU, P., and SOUTO PATULEIA, M. C. Action des rayons ultra-violets sur le pouvoir hémagglutinant et le pouvoir infectieux du virus de Newcastle. Inst. Pasteur. Ann. 83:478-486. Ref. Oct.1952. 448.3 An75

15884 ATKINSON, J. M. Pullorum tolerance; thirteenth annual survey. Hatchery & Feed 26(11):56-57. Nov.1952. 47.8 H28

15885 BARBARO, A. D'A. The excretion of CO_2 in young cocks having undergone hormonal castration, under ordinary conditions and after removal of comb and wattles. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5: 471-477. Ref. 1951. 41.9 So17
English summary.

15886 BATTELLI, C. Fowl typhoid caused by Salmonella gallinarum in the mucous phase. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:369-375. 1951. 41.9 So17
English summary.

15887 BEAUDETTE, F. R., and others. Equine encephalomyelitis in pheasants from 1947 to 1951. Amer. Vet. Med. Assoc. J. 121:478-483. Dec.1952. 41.8 Am3
J. J. Black, C. B. Hudson, and J. A. Bivins, joint authors.

15888 BIONDO, G., and PANEBIANCO, F. Variation in the leukocytal form in cockerels submitted to hormonal castration. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5: 467-471. 1951. 41.9 So17
English summary.

15889 BLACK, N. Chemical caponisation. Poultry World 91(21):i-vi. Nov.20,1952. 47.8 P8682

15890 BORENSTEIN, S. About some poultry diseases and pests. (In Hebrew.) Hassadeh 32:549-552. Aug./Sept.1952. 26 H27

15891 BRAUNER, E. J. An attempt to develop a carrier state in turkeys artificially infected with Erysipelothrix rhusiopathiae. Sowest. Vet. 6:63-65. Fall 1952. 41.8 So82

15892 BURKE, R. C., SALVIN, S. B., and GERLOFF, R. K. Cultivation of Coccidioides immitis in the developing hen's egg. Soc. Expt. Biol. & Med. Proc. 81:91-94. Oct.1952. 442.9 So1

15893 BUXTON, A. On the transference of bacterial antibodies from the hen to the chick. J. Gen. Microbiol. 7:268-286. Ref. Nov.1952. 448.3 J823
Salmonella infection.

15894 CÈBE, J. Traitement de la syngamose aviaire. Rec. de Med. Vet. 128:221-222. Apr.1952. 41.8 R24

15895 CHRISTIE, D. G. Fowl cholera. N. S. Wales. Dept. Agr. Div. Anim. Indus. Poultry Dis. L. 11,2 p. 1952. 41.9 N473

15896 CHRISTIE, D. G. Fowl pox. Australas. Poultry World 24(1):25,27. Aug.5,1952. 47.8 Au72

15897 CORONEL, A. B., and others. Streptomycin as a treatment for infectious coryza of chickens. Philippine J. Anim. Indus. 11:159-183. Ref. Second/Fourth Q.1950, pub.1952. 49.9 P53P
N. S. Baluyut, E. De Leon and H. Levin, joint authors.

15898 DAUB, M. Untersuchungen über die wirksamkeit von W. T. 249 gegen befall mit eingeweidenematoden des geflügels. Giessen,Klein,1951. 23 p. Ref. 436 D26
Inaug.-Diss. - Giessen.

15899 DAVIES, A. W. Lowered liver vitamin A reserves in avian coccidiosis. Nature [London] 170:849. Nov.15,1952. 470 N21

15900 DYVERDON, C. Combattre rationnellement les maladies avicoles. Cour. Hort. 14:505-508. Sept.1952. 80 C834

15901 EGGERT, M. J. Poultry disease trends—a laboratory survey of poultry diseases in Virginia. Va. Poultryman 6(10):51,94-95. Oct.1952. 47.8 V812

15902 ERIKSEN, S. Observations on eye vaccination of chicks. Broiler Growing 3(11):46-48. Nov.1952. 47.8 B782
Newcastle immunization.

15903 FALASCHINI, A., and GIORDANO, G. Action of vitamin E upon the female gonads (experimental research on fowl). (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:137-142. 1951. 41.9 So17
English summary.

15904 FEOKTISTOV, P. I. Neurolymphomatosis in poultry. (In Russian.) Ptitsevodstvo 10:25-27. Oct.1952. 47.8 P95

15905 FRITZSCHE, K. Ein beitrag zur kenntnis der krummen zehen bei junghühnern (Crooked-toe-deformity of the chick). Tierärztl. Umschau 7:407-409. Nov.1952. 41.8 T445

15906 FRITZSCHE, K. Die histopathologie der encephalomyelitis und encephalomalacia avium. (Sum.) Deut. Tierärztl. Wchnschr. 59:310-312. Oct.15,1952. 41.8 D482

15907 GIL LEON, J. L. El complejo leucemico de las aves. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:277-280. 1951/52. 9 Ag874

15908 GORDEUK, S., JR. Some dangers resulting from improper medication. Everybodys Poultry Mag. 57(11):12,28-29. Dec.1952. 47.8 F213P

15909 HESS, E. Zur langsamagglutinationsprobe. Geflügelhof 15:635-636. Oct.3,1952. 47.8 G276
Poultry.

15910 HORTON-SMITH, C., and LONG, P. L. The effect of penotrane on the growth in vitro of Candida albicans and Aspergillus fumigatus. J. Compar. Path. & Ther. 62:266-274. Oct.1952. 41.8 J82
Of turkey and fowl origin.

15911 HOUT, A. VAN. New cases of Newcastle disease. (In Flemish.) Cult. en Handel 18:529-530. Sept. 1952. 80 C892

15912 HUBRIG. Allgemeines über parasiten und parasitismus. Thür. Kleintierzüchter 6:290-291. (Cont.) Sept.10,1952. 49 T42
Poultry.

15913 IVEY, W. D., and EDGAR, S. A. The histogenesis of the esophagus and crop of the chicken, turkey, guinea fowl and pigeon, with special reference to ciliated epithelium. Anat. Rec. 114:189-211. Ref. Oct.1952. 447.8 An1

15914 JOHNSON, E. P. Poultry disease research progress and plans at VPI. Va. Poultryman 6(10):40,127-129. Oct.1952. 47.8 V812

15915 JOPPICH, H. O. J. Uber die eignung der "Tiefenkultur" zum nachweis von geflügeltuberkelbakterien. Giessen,1951. 41 p. Ref. 41.2 J742
Inaug.-Diss. - Giessen.

15916 KUSLYS, A. Vergiftung des geflügels durch aprikosenkerne. Geflügelhof 15:641-642. Oct.3,1952. 47.8 G276

15917 LANCASTER, J. E. Common ailments. Poultry World 91(23,sup.):i-vi,viii. Dec.4,1952. 47.8 P8682

15918 LEUSCHNER, F. H. The use of hormones in poultry. Grain & Feed J. Consolidated 109(11):35,37. Dec.10,1952. 298.8 G762

15919 LIEBENBERG, C. R., and ERASMUS, J. E. A numerical criterion of conformation in table birds. Farming So. Africa 27:443-446. Sept.1952. 24 So842
Measurements and weight.

15920 LITVISHKO, N. T. Itching mange (Cnemidocoptosis) of hens and measures for controlling it. (In Russian.) Ptitsevodstvo 8:26-30. Aug.1952. 47.8 P95
Scaly legs due to Cnemidocoptes.

15921 LUTZ, H. Sur le déterminisme de l'orientation des embryons dans la gemellité expérimentale chez les oiseaux. Soc. de Biol. Compt. Rend. 146:1131-1133. July 1952. 442.9 P21
Ducks.

15922 MCGREGOR, J. K. Renal coccidiosis in geese. Amer. Vet. Med. Assoc. J. 121:452-453. Dec.1952. 41.8 Am3

15923 MASSACHUSETTS. AGRICULTURAL EXPERIMENT STATION. POULTRY DISEASE CONTROL LABORATORY. Thirty-second annual report of pullorum disease eradication in Massachusetts. Mass. Agr. Expt. Sta. Control Ser. B. 152,11 p. July 1952. 100 M38H

15924 MATHEY, W. J., JR., and ROSENWALD, A. S. Pink pills for poultry. Nulaid News 30(7):10-11. Dec. 1952. 47.8 N917

15925 MONTI, G. Post-mortem diagnosis of Newcastle disease by means of the Hirst test. (In Italian.) Arch. Vet. Ital. 3:215-226. Ref. June 30,1952. 41.8 Ar25
English summary.

15926 MORCOS, Z. Experiments on salmonellosis of fowls. Brit. Vet. J. 108:376-382. Ref. Oct.1952. 41.8 V643

15927 MOSTAFA, M. S. E. A note on a case of four hearts in a hen. Vet. Rec. 64:624. Oct.18,1952. 41.8 V641

15928 MUELLER, C. D., MOULTRIE, F., and PLUMART, P. E. Classification of feathering in broiler stock. Kans. Agr. Expt. Sta. Tech. B. 72,30 p. June 1952. 100 K13S

15929 NABER, E. C., SNELL, E. E., and CRAVENS, W. W. Effect of nucleic acid derivatives in the reversal of aminopterin inhibition in the chick embryo. Soc. Expt. Biol. & Med. Proc. 81:20-23. Ref. Oct.1952. 442.9 So1

15930 NEW SOUTH WALES DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Favus or "white comb" disease of poultry. N. S. Wales. Dept. Agr. Div. Anim. Indus. Poultry Dis. L. 15, 2p. 1952. 41.9 N473
Mycosis.

15931 NORDIO, C. B., and CURTO, G. M. Effect of the removal of the combs and wattles of young cocks on the growth, oxygen consumption and histological hypophysial modification. (In Italian.) Zootechnia 1(3):8-13. May/June 1952. 41.8 Z73
English summary.

15932 OTRYGAN'EV, G. K. On diagnosis of hypovitaminosis in poultry. (In Russian.) Ptitsevodstvo 10: 28-29. Oct.1952. 47.8 P95

15933 PEARSON, I. G. Coccidiosis, a devastating disease of poultry. N. S. Wales. Dept. Agr. Div. Anim. Indus. Poultry Dis. L. 2,6 p. 1952. 41.9 N473

15934 PEGREFFI, G., QUESADA, A., and PAPANDREA, E. Further investigations on the immunizing action of the cultures of Pasteurella aviaria devitalized by antibiotics (vaccine prepared with streptomycin against fowl cholera). (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:280-285. 1951. 41.9 So17
English summary.

15935 PETERSEN, N. Die nährmangelkrankheiten des geflügels. Geflügelhof 15:556-557. Aug.29,1952. 47.8 G276

15936 PETERSON, J. E., and WRIGHT, A. R. Incubator hygiene—an important factor in the control of hatchery diseases of chickens. Australas. Poultry World 24(2):11,13. Sept.5,1952. 47.8 Au72

15937 PETRUSHKIN, A. A., and KSENOFONTOVA, M. I. Phenothiazine—an effective measure in controlling ascaridosis in hens. (In Russian.) Ptitsevodstvo 7:30-31. July 1952. 47.8 P95

15938 PODGORODETSKIĬ, N. P., SADOVSKAIA, L. I., and DOROSHKO, I. N. Pox-diphtheria in turkeys. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:84-96. 1951. 41.9 K522

15939 POMEROY, B. S. Progress made in improvement of Minnesota turkey breeding flocks. Minn. Gobbles 7(5):6,26. Oct.1952. 47.38 M66
Pullorum testing.

15940 PROKOF'EVA, M. T. Experiments in obtaining baby ducks resistant to paratyphoid by vaccinating laying ducks. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:61-68. 1951. 41.9 K522

15941 PROKOF'EVA, M. T., DOROSHKO, I. N., and ZOLOTOV, N. N. Importance of local strains for increasing the sensibility of pullorum disease antigen. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18: 124-129. 1951. 41.9 K522

15942 PROKOF'EVA, M. T., and DOROSHKO, I. N. Obtaining a vaccine against paratyphoid of waterfowl. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:47-60. Ref. 1951. 41.9 K522
Salmonella typhimurium in ducklings and goslings.

15943 QUESADA, A., and CONTINI, A. A presumably new, infectious disease of chicks. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:324-327. 1951. 41.9 So17
English summary.

15944 ROSENBERG, M. M., BUSHNELL, O. A., and MORIKAWA, W. The effect of graded concentrations of terramycin on the growth and intestinal microflora of chicks. (Abs.) Hawaii. Acad. Sci. Proc. 27:5. 1952. 500 H31A

15945 ROSENWALD, A. S. Why bother with the lab? San Joaquin Val. Poultryman 23(6):5,16. Nov.1952. 47.8 Sa53
Poultry disease research.

15946 ROTOV, I. V. Paratyphoid in young turkeys. (In Russian.) Ptitsevodstvo 7:31. July 1952. 47.8 P95
Salmonella typhimurium.

15947 SANZ SÁNCHEZ, F., and CASTELLÁ BERTRÁN, E. Las posibles acciones antitiroideas de la resorcina en aves. Zootechnia 1(3):14-23. May/June 1952. 41.8 Z73
English summary.

15948 SCOTT, M. L. Prevention of enlarged hock disease in turkeys. Poultry Indus. [Boston] 58(3):6-7. Nov.1952. 47.8 N44

15949 SHELLABARGER, C. J. Pinealectomy vs. pineal injection in the young cockerel. Endocrinology 51: 152-154. Aug.1952. 448.8 En2

15950 SPREHN, C., and SOMMERFELD, J. Kükenaufzucht auf alter stapelstreu. Deut. Kleintier-Züchter. Ausg. Geflügel 7(17):4. (Concl.) Sept.5,1952. 47.8 D484
Transmission of coccidiosis.

15951 SYLSTRA, A. Chronic respiratory—air sac are same disease. Broiler Growing 3(12):15,50-51. Dec. 1952. 47.8 B782

15952 TARASCIO, V. Concerning laryngotracheitis. (In Italian.) Prog. Vet. 7:736-737. Nov.1,1952. 41.8 P942

15953 VRIES, DE. Intestinal parasites and everything connected with them. (In Dutch.) Pluimveeteelt 5(20):1-2. (Concl.) Sept.26,1952. 47.8 P722
Poultry.

15954 WILSON, P. N. Growth analysis of the domestic fowl. I. J. Agr. Sci. 42:369-381. Oct.1952. 10 J822

15955 WORDEN, A. N. Functional anatomy of birds. 21-23. Cage Birds 102(2652-2654):450,482,516. Nov.6-Nov.20,1952. 413.8 C11C

15956 ZELLER, M. Die asiatische geflügelpest unter besonderer berücksichtigung des im jahre 1950 in Württemberg begonnenen seuchenzuges. Deut. Wirtgeflügelzucht. 4:613-615. Sept.27,1952. 47.8 D483

15957 ZINDEL, H. C., and MALLMANN, W. L. Formaldehyde as a disinfectant in the control of incubator-transmitted pullorum disease. Mich. Agr. Expt. Sta. Tech. B. 230,23 p. Ref. June 1952. 100 M58S

Miscellaneous

15958 AMERICAN POULTRY ASSOCIATION. Constitution [and by-laws]. Amer. Poultryman 15(8):19-31. Dec.1952. 47.8 So86

15959 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE PRODUCCION ANIMAL. DIRECCION DE GRANJA. La producción de aves con pedigree de postura. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:385-388. 1951/52. 9 Ag874

15960 BELOTSERKOVSKAIA, M. A. Practices of the leading brigade of the turkey raising farm of Stalin Kolkhoz in Georgiev District, Stavropol Territory. (In Russian.) Ptitsevodstvo 8:17-21. Aug.1952. 47.8 P95

15961 BERRY, E. How the Midwest hatcheryman can improve his lot in '53. Hatchery & Feed 26(12):20,22,24-25. Dec.1952. 47.8 H28

15962 BROEKHUIZEN, E. G., and others. The connection between egg quality and hatchability. (In Dutch.) Tijdschr. v. Diergeneesk. 77:825-838. Ref. Nov. 15,1952. 41.8 T431
M. van Albada, H. Appelman, and P. Ubbels, joint authors.
English summary.

15963 BYWATERS, J. H. VPI and 'a new tomorrow' for Virginia poultrymen. Va. Poultryman 6(10):42,129-133. Oct.1952. 47.8 V812

15964 CAGLE, A. J. Can poultrymen set their own wage? Co-op Chick News 24(4):8-9. Oct./Dec.1952. 47.8 C783

15965 CALIFORNIA. POULTRY IMPROVEMENT COMMISSION. Final report, California official egg laying test, year 1951-1952. Modesto,1952. 15 p. 47.9 C12

15966 CALIFORNIA. POULTRY IMPROVEMENT COMMISSION. Final report, Third California official random sample egg laying test, March 28, 1951-Sept.11, 1952. Modesto,1952. 12 p. 47.9 C12Cp

15967 CECIL, L. When pullets are late laying. Mod. Poultry Keeping 67:466-467. Nov.5,1952. 47.8 Eg3

15968 CHUGUNOV, A. I., and LUK'IANOVA. At the inter-district show of Livna hens. (In Russian.) Ptitsevodstvo 8:9-11. Aug.1952. 47.8 P95

15969 COLLINS, A. E. Ducks, and how to keep them. Victorian Poultry J. 39:25,27. (Concl.) Aug.1,1952. 47.8 V662

15970 CONTACTGROEP OPVOERING PRODUCTIVITEIT. De pluimveeteelt in Amerika [Poultry farming in America]. 's-Gravenhage?1951? 107 p. 281.347 C76

15971 CRETSCHMAR, M. Kükenaufzucht mit verschiedenen infrarot-strahlern. Deut. Kleintier-Züchter. Ausg. Geflügel 7(18):6-7. Sept.20,1952. 47.8 D484

15972 CUNNINGHAM, J. D. Recommendations for hatchery fumigation. Canad. Poultry Rev. 76(11):14,16-18,20. Nov.1952. 47.8 C16

15973 DARBY, C. W. Sanitation problems in poultry production. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:77-80. Ref. 1952. 307.9 C42

15974 DAZUR, C.VON. Zahlen, zeiten und masse für wirtschaftstaubenzüchter. Deut. Wirtgeflügelzucht. 5: 26-27. Oct.18,1952. 47.8 D483

15975 DERIBERE, M. Les applications de la lumière et des radiations dans les techniques avicoles. Cong. Internaz. Indus. Agr. Relaz. 9(2):71-76. Ref. 1952. 388 C765Re
English summary.
Effects of light on egg production.

15976 DICK, A. Rassen- oder standardfehler? Kritische bemerkungen zur deutschen prämiierungspraxis. Geflügelhof 15:555-556. Aug.29,1952. 47.8 G276

15977 DICKERSON, B. Cannibalism [in poultry]—here's how to whip it. Successful Farming 50(11):46,128, 130. Nov.1952. 6 Su12

15978 DOSSIN, C. O. How many broilers should a man tend? Broiler Growing 3(12):19,47. Dec.1952. 47.8 B782

15979 DRESSE, O. Géographie avicole de la Belgique. IX. Cour. Hort. 14:502-503. Sept.1952. 80 C834

15980 DRYDEN, H. Abolish the National Poultry Improvement Plan! Hatchery & Feed 26(12):42,44. Dec. 1952. 47.8 H28

15981 DRYDEN, H. The standard tests should be continued. N. H. Breeder & Broiler Grower 15(3):12-13. Autumn 1952. 47.8 N45

15982 DUPRAT, M., and DUPUIS, F. Sur un projet d'abattoir avicole à Casablanca. Terre Marocaine 26: 376-385. Oct.1952. 24 T44

15983 DUTTLINGER, E. Bäuerliche geflügelhaltung. Soll die bäuerin auf wintereier verzichten. Grüne 80: 1248-1249. Nov.14,1952. 17 Sch9

15984 EBBELL. Holländisches tagebuch. III. Geflügelhof 15:667-670. Oct.17,1952. 47.8 G276

15985 EHLERS, K. Erfahrungen in der batterieaufzucht der küken. Deut. Wirtgeflügelzucht. 5:1-3. Oct.4, 1952. 47.8 D483

15986 FANGAUF, R. Wandel der betriebsweise in der geflügelzucht. Deut. Tierärztl. Wchnschr. 59:345-346. Nov.15,1952. 41.8 D482

15987 FOISY, M. L. Processus de l'inventaire des volailles. Avicult. Québecois 7(10):7. Oct.1952. 47.8 Av55

15988 GERRIETS, E. Neuartige mit propangas beheizte warmwasserglucken. Tierzucht 6:311-313. Sept. 1952. 49 T443
Housing and care of chicks.

15989 GILES, K. D. Planning boosts poultry profits. Australas. Poultry World 24(2):17. Sept.5,1952. 47.8 Au72

15990 GORDON, R. F. No easy way for the lazy; deep litter presents the same problems of management as do other methods. Farmer & Stock-Breeder 66:47-48. Nov.18/19,1952. 10 F228

15991 GOTTSHALL, N. S. Volume isn't everything. Broiler Growing 3(12):16-17,40. Dec.1952. 47.8 B782
Large vs. small-scale poultry farms.

15992 GRANT, R. Pigs and poultry. 11. When birds need artificial light. Grower [London] 38:1041,1043. Nov.22,1952. 286.83 M34

15993 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Chick rearing. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 396,5 p. Oct.1952. 10 G79La

15994 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Egg production faults and their elimination. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 399,5 p. Oct. 1952. 10 G79La

15995 GROMOV, A. M. Ural geese. (In Russian.) Ptitsevodstvo 10:18-20. Oct.1952. 47.8 P95

15996 HALBROOK, E. R. Selecting, handling and killing. Turkey World 27(11):14,73-77. Nov.1952. 47.38 T84
Turkeys.

15997 HALE, R. W. Experimental errors in laying experiments. J. Agr. Sci. 42:347-352. Ref. Oct.1952. 10 J822
Northern Ireland.

15998 HAMBROUCK, K. Management control in poultry farming. (In Flemish.) Cult. en Handel 18:532-534. Sept.1952. 80 C892

15999 HANSEN, H. J., KING, C. H., and BABCOCK, M. C. Plan is democracy in action. Hatchery & Feed 26(11):13-14,16-17. Nov.1952. 47.8 H28
National Poultry Improvement Plan.

16000 HEIN, L. Zum verhalten der hühner. Urania 15:340-342. Ref. Sept.1952. 474 Ur1

16001 HOOGENDOORN, J. Recent aspects in the rearing and housing of hens. (In Dutch.) Plattelands-Post 8(40):5. Oct.9,1952. 12 P69

16002 KASHCHENKO, E. B. 121 eggs per laying hen. (In Russian.) Ptitsevodstvo 8:22. Aug.1952. 47.8 P95

16003 KENT, O. B. Raising young stock. Amer. Poultryman 15(7):5,14. (Cont.) Nov.1952. 47.8 So86
Poultry.

16004 LAYCOCK, G. Turkey profits next year. Country Gent. 122(11):27,76-77. Nov.1952. 6 C833
Reduction of mortality losses.

16005 LEUSCHNER, F. H., and CALLENBACH, E. W. Early care of chicks. Pa. State Col. Agr. Ext. C. 406, 21 p. Aug.1952. 275.29 P38C

16006 LISOVSKII, IA. N. Poultry raising on the state farms of the Ukraine. (In Russian.) Ptitsevodstvo 10: 21-22. Oct.1952. 47.8 P95

16007 LLOYD-THOMAS, W. There is no fool-proof method of sexing geese. Mod. Poultry Keeping 67:460. Nov.5,1952. 47.8 Eg3

16008 LOOMIS, A. P. How the [National Poultry Improvement] Plan has helped us—here's the evidence. Hatchery & Feed 26(12):44,46,48. Dec.1952. 47.8 H28

16009 LULLO, C. DI. The sport of raising chickens. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(96): 10-12. Nov.14,1952. 281.8 Ag3

16010 MCARDLE, A. A. Parafield Official Egg-Laying Competition, 1951-52. So. Austral. Dept. Agr. J. 56(2,sup.),13 p. Sept.1952. 23 So84

16011 MANGUS, H. D. Plan turkey jobs ahead. Amer. Poultry J. 83(12):30,32. Dec.1952. 47.8 Am32

16012 MANUELLI, R. Primeros cuidados de los pollitos. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:175-178. 1951/52. 9 Ag874

16013 MAUPIN, C. J., and others. Culling the poultry flock. N. C. Agr. Col. Ext. C. 156,rev.,15 p. Aug.1952. 275.29 N811
C. F. Parrish, T. B. Morris, and W. G. Andrews, joint authors.

16014 MAY, R. Federn gegen federnfressen. Deut. Wirtgeflügelzucht. 4:565-566. Aug.30,1952. 47.8 D483

16015 MONCRIEF, T. E. Every poultryman can produce clean eggs. Everybodys Poultry Mag. 57(11):8, 20-21. Dec.1952. 47.8 F213P

16016 MOORE, A. C. Find time for this autumn check-up. Poultry 111:247. Oct.14,1952. 47.8 P869

16017 MOORE, A. C. Premature moulting is generally due to mismanagement. Poultry 111:214. Sept.30,1952. 47.8 P869

16018 MOORE, H. L. Questions & answers relative to poultry production. Va. Poultryman 6(10):107-115. Oct.1952. 47.8 V812
Includes diseases, by E. P. Johnson.

16019 MUELLER, C. D. How efficient is your trapnest record system? Hatchery & Feed 26(12):56-59. Dec.1952. 47.8 H28

16020 NEDERLANDSE FEDERATIE VAN ORGANISATIES TER BEHARTIGING VAN DE BELANGEN VAN BEDRIJFSPLUIMVEEHOUDERS. Jaarverslag [Annual report of the Dutch Federation of Organizations for the Promotion of the Interest of the Commercial Poultry Farmer]. Arnhem,1952. 32 p. Ref. 47.9 N28

16021 PETROV, S. G. Negative effect of heat on [egg] productivity of hens. (In Russian.) Ptitsevodstvo 7:22-24. July 1952. 47.8 P95

16022 PIANI, G. Poultry keeping on the share farm. (In Italian.) Gior. di Agr. 62:342. Nov.9,1952. 16 It1G
Italy.

16023 PIJOÁN Y GRAU, M. Gallinas productivas. Zaragoza,La Academica,1591,i.e.1951? 38 p. (Publicaciones Monográficas de La Revista Vinícola y de Agricultura) 47 P63

16024 PLATT, C. S. The truth about red light for poultry. Amer. Poultry J. 83(12):5,10. Dec.1952. 47.8 Am32

16025 PLESHKOV, S. V., and VASIL'EV, N. P. Duck raising farm of Novaia Zhizn' Kolkhoz. (In Russian.) Ptitsevodstvo 7:28-29. July 1952. 47.8 P95

16026 RAIMO, H. F. Some directions for raising broilers. (In Portuguese.) Rev. dos Criadores 23(9):36-37. Sept.1952. 43.8 R32

16027 RANDLES, C. A. Progress in goose husbandry. Poultry Indus. [Boston] 58(3):11,18. Nov.1952. 47.8 N44

16028 RICE, W. H. Managing pullets for egg production; a nine-point program. Md. Agr. Col. Ext. Fact Sheet 59,4 p. Sept.1952. 275.29 M36Fa

16029 RUDAKOV, V. N. First of May hens in Bashkiria. (In Russian.) Ptitsevodstvo 7:27-28. July 1952. 47.8 P95
Comparison of egg production of First of May hens with Leghorns.

16030 RUPPEN, K. Dies und das aus der geflügelzucht. Geflügelhof 15:610-611. Sept.19,1952. 47.8 G276

16031 SANBORN, L. How to cull your flock. Pacific Poultryman 56(12):4-5,39-40. Dec.1952. 47.8 P112

16032 SANTA-OLALLA PEREZ, M. F. Avicultura. In Colegio Oficial de Veterinarios de Granada. Divulgaciones ganaderas, p.17-35. Granada,1951. 40 C672

16033 SCHACHT, H. Lässt sich das kükengeschlecht am ei erkennen? Deut. Wirtgeflügelzucht. 5:25-26. Oct. 18,1952. 47.8 D483

16034 SCHUBERT, G. Rentabilitätsfragen beim ausmerzen von legehennen und bei der aufzucht von ersatztieren. Deut. Wirtgeflügelzucht. 4:566-567,569. Aug. 30,1952. 47.8 D483

16035 STEWART, G. The broiler we want vs. the broiler that's practical. N. H. Breeder & Broiler Grower 15(3):16-19. Autumn 1952. 47.8 N45

16036 SYKES, G. The henyard; with an appendix entitled The turkey yard, by G. Morgan. London, Lockwood, 1952. 108 p. 47 Sy4

16037 TAGGART, J. I. Another phase of turning [hatching eggs] in multiplanes. Hatchery & Feed 26(12): 52-54. Dec.1952. 47.8 H28

16038 TEMPERTON, H. Depreciation of the layers. Mod. Poultry Keeping 67:544-545. (Cont.) Nov.26,1952. 47.8 Eg3
Culling.

16039 TRENCHI, H. Los concursos de postura y su influencia en la avicultura de los Estados Unidos. Uruguay. Min. de Ganad. y Agr. B. Inform. 427:13-14. Aug.7,1952. 9.9 G15B

16040 TRET'IAKOV, N P. Poultry raising in Leningrad Region. (In Russian.) Ptitsevodstvo 7:11-14. July 1952. 47.8 P95

16041 TRINIDAD. DEPT. OF AGRICULTURE. Backyard poultry keeping. Port of Spain? 1952. 4 p. 47 T732B

16042 VAZQUEZ HERNANDO, E. El pato, ave del porvenir. B. de Divulg. Ganad. [Ciudad Real] 7(70/72): 13-19. Apr./June 1952. 49.9 Sp14

16043 WALTNER, R. Bericht über die hühnerleistungsprüfungen der Landwirtschaftskammer für Niederösterreich und Wien in Korneuburg in den legejahren 1949/50 und 1950/51. Landwirtschaft 19/20:301-303. (Cont.) Oct.1952. 19 L235

16044 WALTNER, R. Bericht über die hühnerleistungsprüfungen der Landwirtschaftskammer für Niederösterreich und Wien in Korneuburg in den legejahren 1949/50 und 1950/51. Landwirtschaft 21/22:332-335. Nov.1952. 19 L235

16045 WEEKS, J. P. The poultry profit guide, edited by R. Chesnutt. Birmingham, Ala.,Vulcan Press,1952. 393 p. 281.347 W41

16046 WHELDEN, H. C., JR. Planned replacement for commercial egg producers. Poultry Indus. [Boston] 58(3):5,18. Nov.1952. 47.8 N44

16047 WOOD, E. Some things that I know about the NPIP. Hatchery & Feed 26(12):48-49,51. Dec.1952. 47.8 H28

16048 WYLIE, R. How about fall chicks? San Joaquin Val. Poultryman 23(4):9,14. Sept.1952. 47.8 Sa53

RABBITS

Breeds and Breeding

16049 ANDREWS, Z. A. Herd sire selection and testing. Small Stock Mag. 36(12):5. Dec.1952. 48.8 P442
Rabbits.

16050 FISHER, N. The Silver Marten—black, blue and chocolate. Small Stock Mag. 36(12):8. Dec.1952. 48.8 P442
Rabbits.

16051 GILDOW, E. M. Principles of a successful rabbit breeding program. Amer. Rabbit J. 22:162-164. Nov.1952. 40.28 Am3

16052 IBSEN, H. L. Basic breeding principles. Small Stock Mag. 36(12):34. Dec.1952. 48.8 P442
Rabbits.

16053 KUZNETSOV, S. I. Effect of animal nutrition on selective fertilization. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):60-64. Jan./Feb.1952. 49 K14
Experiments with Chinchilla and Champagne rabbits.

16054 NIEHAUS, H. Angoraleistungsprüfungen. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(17):10-11; 7(18):7-8. (Concl.) Sept.5-20,1952. 40.28 D48

16055 NIEHAUS, H. Worauf beruht die grosse sterblichkeit der weissschecken? Deut. Kleintier-Züchter Ausg. Kaninchen 7(19):6-8. Oct.5,1952. 40.28 D48

16056 PIEGSA, E. Zur vorgeschichte und entstehung der deutschen Grosssilber-kaninchen. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(18):2. Sept.20,1952. 40.28 40.28 D48

16057 ROPER, R. Colour inheritance in Dutch rabbits. Fur & Feather 115:729,735. Nov.6,1952. 49 F96

16058 ROSS, MRS. J. L. How to produce colored Polish. Small Mag. 38(12):26. Dec.1952. 48.8 P442
Rabbits.

16059 SANDFORD, J. C. What is a breed? Fur & Feather 115:623. Sept.25,1952. 49 F96
Rabbits.

16060 ZIMMER, R. Die Deutsche Gross-silberzucht. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(18): 1-2. Sept.20,1952. 40.28 D48

Feeds and Feeding

16061 CRASEMANN, E. Die energetische wirkung einer rohfaserzulage beim kaninchen; ein beitrag zur lehre von der wertigkeit der futtermittel. Schweiz. Arch. f. Tierheilk. 94:731-740. Nov.1952. 41.8 Sch9
English summary.

16062 RUDOLPH, D. Richtig füttern—erfolgreich züchten! Deut. Kleintier-Züchter 7(17):1-2. Sept.5,1952. 49 D483
Angora rabbits.

16063 TSIREL'SON, N., and KEROV, M. Effect of increased nutrition [of rabbits] on change in meat characteristics of animals [weight and measurement]. (In Russian.) Miasnaia Indus. SSSR. 23(2):79-86. Mar./Apr. 1952. 50.8 M58

Veterinary Medicine

16064 DANNEEL, M. Die behandlung der kaninchensyphilis mit neo-arsoluin (früher arsaminol). Monatsh. f. Vetmed. 7:404-405. Oct.15,1952. 41.8 M742

16065 FIELD, E. J. Vacuolated cells in the dorsal root ganglion of the rabbit. J. Compar. Path. & Ther. 62:249-251. Oct.1952. 41.8 J82

16066 GRAY, M. L., LAINE, S. L., and THORP, F. JR. Effects of aureomycin on Listeria monocytogenes and the production of encephalitic symptoms in rabbits. Antibiotics & Chemother. 2:537-543. Ref. Oct.1952. 396.8 An8

16067 HALL, E. R. Investigations on the microbiology of cellulose utilization in domestic rabbits. J. Gen. Microbiol. 7:350-357. Ref. Nov.1952. 448.3 J823

16068 HARDER, W. Die darmlänge bei verschiedenen kaninchen. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(18):3-5. Sept.20,1952. 40.28 D48

16069 HORNLEIN, A. Körperform, bau und vererbung. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(18): 6-7. Sept.20,1952. 40.28 D48

16070 JOST, A., MOREL, F. F., and MAROIS, M. Nouvelles recherches à l'aide du radio-iode I^{131} sur la fonction thyroidienne du fœtus de lapin décapité. Soc. de Biol. Compt. Rend. 146:1066-1070. July 1952. 442.9 P21

16071 JOST, A., and DANYSZ, P. Recherches histochimiques (réaction de MacManus) et expérimentales (décapitation) sur la physiologie de l'hypophyse fœtale du lapin. Soc. de Biol. Compt. Rend. 146:1062-1066. July 1952. 442.9 P21

16072 KAZHDAN, V. I. Female sex hormone in the blood of rabbits. (In Russian.) Akad. Nauk SSSR. Dok. 86:209-212. Sept.1,1952. 511 P444A

16073 LESBOUYRIES, G. Tuberculose du lapin. Rec. de Med. Vet. 128:223-235. Apr.1952. 41.8 R24

16074 LUPANOV, M. T. Castration of rabbits. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):78. Mar./Apr.1952. 49 K14

16075 NORDIO, C. B. Action of light on anemia from Allium cepa. (In Italian.) Arch. Vet. Ital. 3:289-296. Aug.31,1952. 41.8 Ar25
English summary.
In rabbits.

16076 PETEK, M. An outbreak of salmonellosis in a rabbit flock. (In Italian.) Soc. Ital. delle Sci. Vet Atti. 5:320-323. Ref. 1951. 41.9 So17
English summary.

16077 SPREHN, C. Tierische schmarotzer als krankheitserreger beim kaninchen. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(17):1-3. Sept.5,1952. 40.28 D48

16078 SULLIVAN, J. Diseases in Oregon rabbits. Oreg. State Col. Ext. B. 726,12 p. Aug.1952. 275.29 Or32B

Miscellaneous

16079 KELLOGG, C. E. California rabbit production. Amer. Small Stock Farmer 37:23. Oct.1952. 48.8 J82

16080 KELLOGG, C. E. The 4-H and Scout attainments with rabbits. Washington,U. S. Ext. Serv.,1952. 6 p. 1.913 A4F82

16081 KROBOTH, C. Culling New Zealands. Calif. Rabbit News 13(9):5-6. Dec.1952. 40.28 C12

16082 TEMPLETON, G. S. Nest boxes and nest box management. Calif. Rabbit News 13(9):15-16. Dec.1952. 40.28 C12

SHEEP AND GOATS

Breeds and Breeding

16083 ALBORNOZ BUSTAMANTE, A. Analysis of three years of application of artificial insemination in Karakul sheep. (In Italian.) Zootec. e Vet. 7,373-376. Sept.1952. 41.8 Z7
English summary.

16084 AMERICAN HAMPSHIRE SHEEP ASSOCIATION. Flock record 1951 – Hampshire sheep – v. 49. Detroit,1952. 352,495 p. 45.9 H182

16085 ARMOUR, A. R. Selección lanar, base de una buena producción. Argentina.Min. de Agr. y Ganad. Almanaque 26/27:143-146. 1951/52. 9 Ag874

16086 AUSTRALIAN SOCIETY OF BREEDERS OF BRITISH SHEEP. Flock book for British breeds of sheep in Australia, v. 44. Melbourne,1952. 2 v. 45.9 Au72

16087 AVER'IANOV, I. IA., MALYSHEV, P. P., and BUDAGOV, S. M. On the correlation of sexes in Karakul lambs under varied conditions of their parental development. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):55-59. Jan./Feb.1952. 49 K14

16088 BECK, C. T. Dorset Horn sheep. New Zeal. Studmasters' Annu. Rev. 4:72-73. 1952. 49.7 N48

16089 BECKER, D. The problems of sheepbreeding. (In Hebrew.) Hassadeh 32:553-555. Aug./Sept.1952. 26 H27

16090 BOSMAN, S. W. Progeny tests. Wolboer 6:60-61. Aug.1952. 45.8 W83
Merino sheep.

16091 COFFEY, W. C. Looking back a half century or more. Sheepman 23:274-275,297. Dec.1952. 45.8 Sh32
Sheep breeders.

16092 DALLYN, E. J. Closewool sheep. Hearth & Farm 6:179. Spring 1952. 10 B47
Devon Closewool breed.

16093 DEUTSCHE ZUCHTVIEH IM- UND EXPORT. Sheep from Germany. Bonn am Rhein,1951? 26 p. 45 D48

16094 EPANESHNIKOV, D. A. Pechora semi-fine wooled sheep. (In Russian.) Sovet. Zootekh. 7(10):95-96. Oct.1952. 49 So822
Native X Romney Marsh.

16095 FAWKES, G. Southdown sheep. New Zeal. Studmasters' Annu. Rev. 4:61-68. 1952. 49.7 N48

16096 FROBEEN. Von den milchschafzuchttagen in Krefeld. Landwirt. Z. der Nord-Rheinprov. 119:1109. Oct.11,1952. 18 L2344

16097 GOULTER, S. J. Merino sheep. New Zeal. Studmasters' Annu. Rev. 4:58-60. 1952. 49.7 N48

16098 GUICHANDUT, J. J. Elección de reproductores caprinos. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:246-248. 1951/52. 9 Ag874

16099 KANTSEPOL'SKIĬ, A. S. Achievements of Karakul sheep breeders in improving the quality of Karakul fur. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):7-9. Jan./Feb.1952. 49 K14

16100 LEBEL', L. D., and MISHAREV, S. S. Pridon goats and their importance in qualitative improvement of downy goat breeding. (In Russian.) Sotsialist. Zhivotnovod. 14(5):61-65. May 1952. 49 So71

16101 MEZZACCARA, A. The plexiglas speculum in the artificial insemination of sheep. (In Italian.) Zootec. e Vet. 7:270-271. June/July 1952. 41.8 Z7

16102 MUÑOZ CAÑIZARES, R. La cabra Granadina. In Colegio Oficial de Veterinarios de Granada.Divulgaciones ganaderas, p.75-90. Granada,1951. 40 C672

16103 NADZHAROV, V. M. Effort for profitableness in the work of the Karakul [sheep] raising state farms. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):15-17. Mar./Apr.1952. 49 K14

16104 NIKOL'SKIĬ, N. F. On formation of tight curl and manes in Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):10-14. Jan./Feb.1952. 49 K14

16105 ORTAVANT, R. Recherches sur la spermatogenèse des animaux domestiques. Etude des réserves spermatiques chez le bélier. Soc. de Biol. Compt. Rend. 146:1086-1089. July 1952. 442.9 P21

16106 PALIAN, B. Development of the weight of Kupres lambs with regard to the influence of certain exterior factors. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:515-529. 1952. 41.8 V6494
English summary.
Pramenka breed on Kupres State Farm.

16107 RAE, A. L. Sheep breeding in United States of America. New Zeal. Studmasters' Annu. Rev. 4:23-24. 1952. 49.7 N48

16108 RYDBERG, C. O. Important traits in selection of flock. Sårop 2(3):7,9. Nov.1952. 45.8 Sh8
Sheep.

16109 SANCHEZ UCEDA, J. Ganado Karakul y sus posibilidades de adaptación en la Provincia de Granada. In Colegio Oficial de Veterinarios de Granada. Divulgaciones ganaderas, p.109-120. Granada,1951. 40 C672

16110 SMILEVSKI, S. Sheep breeding in Switzerland. (In Serbo-Croatian.) Socijalisticko Zemjodelstvo 4(5): 57-60. May 1952. 280.28 So7

16111 SOCIETY OF BORDER LEICESTER SHEEP BREEDERS. Statement of income and expenditure, 1950/51. Edinburgh,1951. 8 p. 45.9 So12S

16112 STEVENS, P. G. Border Leicester sheep. New Zeal. Studmasters' Annu. Rev. 4:60. 1952. 49.7 N48

16113 STEVENS, P. G. Corriedale sheep. New Zeal. Studmasters' Annu. Rev. 4:53-57. 1952. 49.7 N48

16114 STOĬANOVSKAIA, V. I., IL'CHENKO, L. V., and BUDAGOV, S. M. Use of semen mixture for insemination of Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):25-29. Jan./Feb.1952. 49 K14

16115 TOVEY, H. S. Romney Marsh sheep. New Zeal. Studmasters' Annu. Rev. 4:43-52. 1952. 49.7 N48

16116 VSĬAKIKH, M. I. Effect of supplementary cobalt feeding on the development of sheep of the Romanov breed. (In Russian.) Sovet. Zootekh. 7(10):92-93. Oct. 1952. 49 So822

16117 WALKER, D. Cheviot sheep. New Zeal. Studmasters' Annu. Rev. 4:69-72. 1952. 49.7 N48

16118 ZHUKOV, A. S. Karakul sheep raising on the state farms in the area of the Principal Turkmenian Canal. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):74-76. Jan./Feb.1952. 49 K14

Feeds and Feeding

16119 ALTENKIRCH, W. Kraftfuttereinsparung bei säugenden mutterschafen durch verabreichung höherer heugaben. Tierzucht 6;304-306. Sept.1952. 49 T443

16120 ALTENKIRCH, W. Ratschläge zur herbsthutung der schafe. Deut. Landwirt. 3:441. Aug.1952. 18 D4822

16121 ÁRNASON, M. K. Fish meal and dysentery of lamb. (In Icelandic.) Freyr 47:302. Sept.1952. 11 F89

16122 BABAEV, O. M. How I utilize pastures. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):30-32. Jan./Feb.1952. 49 K14
Sheep grazing.

16123 BACIGALUPO, F. A., and others. Further studies on vitamin E deficiency in the lamb. J. Anim. Sci. 11:609-620. Ref. Nov.1952. 49 J82
R. Culik, R. W. Luecke, F. Thorpe, Jr. and R. L. Johnston, joint authors.

16124 BUĬLOV, S. V., KATKOVA, M. M., and KOTLENKO, N. I. From the experiment of feeding and care of pregnant Karakul ewes under conditions of the South of Ukraine. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):17-24. Mar./Apr.1952. 49 K14

16125 DRUMMOND, J., and BASSETT, J. W. Effects of protein supplement upon wool production. Mont. Wool Grower 26(11):42. Nov.1952. 45.8 M762

16126 GALLUP, W. G., POPE, L. S., and WHITEHAIR, C. K. Ration factors affecting the utilization of urea nitrogen by lambs. J. Anim. Sci. 11:621-630. Ref. Nov.1952. 49 J82

16127 HAUSER, E. R. Feeding lambs and beef cattle. Grain & Feed J. Consolidated 109(10):23-24. Nov.26,1952. 298.8 G762

16128 HUGHES, G. P., TAYLER, J., and EVERITT, G. C. Foggage and silage as winter feed for sheep. Gt. Brit. Min. Agr. Agriculture 59:376-381. Nov.1952. 10 G79J

16129 JACOBSEN, N. A. Minerals and vitamins. Mont. Wool Grower 26(11):57. Nov.1952. 45.8 M762
In sheep nutrition.

16130 MAKHMUDOV, KH. KH. Ways of a rational utilization of pastures of the Sary-Ishik-Otrau Desert for sheep grazing. (In Russian.) Sovet. Zootekh. 7(10): 13-19. Ref. Oct.1952. 49 So822

16131 O'MARY, C. C., and others. The effects of diethylstilbestrol, testosterone, and progesterone on growth and fattening and certain carcass characteristics of western lambs. J. Anim. Sci. 11:656-673. Ref. Nov. 1952. 49 J82
A. L. Pope, G. D. Wilson, R. W. Bray, and L. E. Casida, joint authors.

16132 SCOTT, I. W. Feeding of dairy goats. Austral. Goat World 4(1):3-4;(2):7-8,12;(4):11-13. Jan.-Feb.,Apr.1952. 40.18 Au7

16133 VALIEV, SH. Elimination of deformations in Karakul pelts by the action of feeding factors. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):14-16. Jan./Feb.1952. 49 K14

16134 VAN HORN, J. L., THOMAS, O. O., and HOVERSLAND, A. Should you feed high or low protein pellets? Mont. Wool Grower 26(11):42. Nov.1952. 45.8 M762
Sheep.

Veterinary Medicine

16135 AGRIMI, P., and EMDIN, R. Contribution on the epidemiologic investigations on Q fever in Tuscany; research on the presence of antibodies from Coxiella burneti in serum of sheep in Provinces of Pisa and Livorno. (In Italian.) Zooprofilassi 7:385-390,393-397. Ref. Sept.1952. 41.8 Z72
Spanish summary.

16136 BALDELLI, B. Further observations and research on Q fever in sheep. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:355-363. 1951. 41.9 So17
English summary.

16137 BATHURST, N. O. The amino-acids of sheep and cow urine. J. Agr. Sci. 42:476-478. Oct.1952. 10 J822

16138 BELOV, E. M. Practices in eliminating brucellosis on Karakul sheep raising farms. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):65-66. Jan./Feb.1952. 49 K14

16139 BOURNE, R. F. Ovine enterotoxemia. No. Amer. Vet. 33:852-855. Dec.1952. 41.8 N812

16140 BRION, A. Une vieille maladie qui réapparaît en France, la clavelée. Rev. de l'Elevage 7:540. Oct. 1952. 49 B462

16141 CARMON, J. L., and GREEN, W. W. Histological study of the development of the testis of the ram. J. Anim. Sci. 11:674-687. Nov.1952. 49 J82

16142 CLARK, R., and WEISS, K. E. Reflex salivation in sheep and goats initiated by mechanical stimulation of the cardiac area of the fore stomachs. So. African Vet. Med. Assoc. J. 23;163-165. Sept.1952. 41.8 So8

16143 CONFERENCE ON PARASITES AND PARASITIC DISEASES OF SHEEP. Proceedings. Belle Fourche,S. Dak.,U. S. Bur. Anim. Indus.,1951. 12 p. 1.972 A2P9492

16144 COPPINI, R. New experimental research on chemotherapy for foot-rot of sheep. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:427-430. 1951. 41.9 So17
English summary.

16145 COPPINI, R. Successful experiment of prophylaxis of foot-rot in sheep. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:430-433. 1951. 41.9 So17
English summary.

16146 CREPIN, P. L'âge de la chevre d'apres sa dentition. Mouton 7:103-104. Oct.1952. 45.8 M86

16147 DAVIES, J. Correlated anatomical and histochemical studies on the mesonephros and placenta of the sheep. Amer. J. Anat. 91:263-299. Ref. Sept.1952. 447.8 Am32

16148 D'IACHKOV, I. N., and PIS'MENNAIA, R. T. On morphological structure and types of ringlet curls [in Karakul sheep fur]. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):24-30. Mar./Apr.1952. 49 K14

16149 DICK, A. T. Improved apparatus for aspiration biopsy of the liver in sheep. Austral. Vet. J. 28:234-235. Sept.1952. 41.8 Au72

16150 DOMIZIO, G. DI. Further observations on the pneumonopathies of animals: lambs and calves. (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:194-195. 1951. 41.9 So17
Summaries also in Italian and French.

16151 DYKSTRA, R. R. Livestock diseases are on the increase. Sheep & Goat Raiser 33(2):26,28-29. Nov. 1952. 45.8 Sh3
Chiefly on parasites of sheep.

16152 FRONTINI, C. A. Verminosis gastrica de los caprinos y lanares. Argentina.Min. de Agr. y Ganad. Almanaque 26/27:137-138. 1951/52. 9 Ag874

16153 GELORMINI, N. Lombriz de los lanares. Chacra 23(264):27. Nov.1952. 9 C34

16154 GIGINEĬSHVILI, N. S. Method for early determining of vitality of grey Karakul lambs. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):16-24. Ref. Jan./Feb.1952. 49 K14

16155 GRIFFITHS, W. R. Treatment of pregnancy toxaemia in ewes by oral administration of glycerol. Vet. Rec. 64:734-735. Nov.15,1952. 41.8 V641

16156 HARDY, M. H., FRASER, A. S., and SHORT, B. F. Spread of pigment in sheep skin autografts. Nature [London] 170:849-850. Nov.15,1952. 470 N21

16157 HOBSON, P. N., and MACPHERSON, M. Amylases of Clostridium butyricum and a Streptococcus isolated from the rumen of the sheep. Biochem. J. 52: 671-679. Ref. Dec.1952. 382 B52

16158 KAMMLADE, W. G. JR., and others. Pituitary activity of sheep in relation to the breeding season. J. Anim. Sci. 11:646-655. Nov.1952. 49 J82
J. A. Welch, A. V. Nalbandov, and H. W. Norton, joint authors.

16159 KHUDAIBERDIEV, N. D. Leptospirosis in Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):69-71. Mar./Apr.1952. 49 K14

16160 KOMAROV, A., and HAIG, D. A. Identification of a strain of bluetongue virus isolated in Israel. So. African Vet. Med. Assoc. J. 23;153-156. Sept.1952. 41.8 So8

16161 KOTOV, M. I. Growth and development of Karakul male lambs in connection with milking their mothers. (In Russian.) Karakulevodstvo i Zverovodstvo 4(6):20-22. Nov./Dec.1951. 49 K14

16162 KRAINOV, I. D. Winter lambing of sheep and its importance. (In Russian.) Sovet. Zootekh. 7(10):30-38. Oct.1952. 49 So822

16163 LEBEDEV, P. T. Role of maintenance conditions and feeding of sheep during eradication of brucellosis. (In Russian.) Karakulevodstvo i Zverovodstvo 5 (2):64-66. Mar./Apr.1952. 49 K14

16164 LONGLEY, E. O. Contagious caprine pleuropneumonia; a study of the disease in Nigeria. (Abridged.) Gt. Brit. Colon. Off. Colon. Res. P. 7,27 p. Ref. 1951. 330.9 G7973C

16165 LOPYRIN, A., and LOGINOVA, N. Methods for increasing multiple births in sheep. (In Russian.) Kolkhoz. Proizvodstvo 12(10):37-38. Oct.1952. 281.8 K83

16166 MCFARLANE, D., and others. Investigation into sheep abortion in New Zealand during the 1950 lambing season. Austral. Vet. J. 28:221-226. Sept.1952. 41.8 Au72

R. M. Salisbury, H. G. Osborne, and J. L. Jebson, joint authors.

16167 MCFARLANE, D., and others. Ram epididymitis, ewe abortion and lamb neonatal mortality. Austral Vet. J. 28:226. Sept.1952. 41.8 Au72

J. L. Jebson, W. J. Hartley, R. M. Salisbury, T. J. McClure, and H. G. Osborne, joint authors.

16168 MCGOWAN, B. An epidemic of "sore muzzle" in California sheep. Calif. Livestock News 27(46):1,4. Nov.11,1952. 45.8 C12

16169 MEDDA, A., and SPANEDDA, A. Research on a filtrable virus isolated from the ovine fetus. III. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:328-329. 1951. 41.9 So17

English summary.

16170 MORICONI, A. About the presence of glands and cartilaginous nodules in the oesophageal groove of "Ovis aries." (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:91-94. 1951. 41.9 So17

English summary.

16171 PANEBIANCO, F., and BIONDO, G. Mastocytes of the uterus of underage kids in the course of hormonal treatment. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:462-466. Ref. 1951. 41.9 So17

English summary.

16172 PARTHASARATHY, D., GARTON, G. A., and PHILLIPSON, A. T. The passage of phosphorus across the rumen epithelium of sheep. (Abs.) Biochem. J. 52: xvi-xvii. Dec.1952. 382 B52

16173 PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Phenothiazine for control of internal parasites of sheep. Rev. Pa. State Col. Agr. Ext. L. 151,6 p. Aug.1952. 275.29 P38L

Revision of a leaflet written by W. T. S. Thorp and W. B. Connell.

16174 POPJÁK, G., GLASCOCK, R. F., and FOLLEY, S. J. Incorporation of (carboxy-^{14}C) acetate into lactose and glycerol by the lactating goat udder. Biochem. J. 52:472-475. Ref. Nov.1952. 382 B52

16175 QUESADA, A., and ALTIERI, M. Observations on the cerebrospinal fluid of sheep inoculated with fixed rabies virus. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:301-304. 1951. 41.9 So17

English summary.

16176 REVO, M. V., SHMALIĬ, K. V., and BRENNER, L. IA. Experiment in studying vaccinotherapy of experimental brucellosis in sheep. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:3-17. 1951. 41.9 K522

16177 ROTTGARDT, A. A., and GARCIA PIRAZZI, A. J. Ectima contagioso, inoculación experimental del virus que lo provoca y su comportamiento; un síntoma muy particular en ovinos. Rev. de Med. Vet. [Buenos Aires] 33:251-260. Ref. Oct./Dec.1951. 41.8 B86

16178 SAIZ MORENO, L., and CAÑADAS PEREZ, C. Dermatitis pustulosa contagiosa de los corderos. B. de Divulg. Ganad. [Ciudad Real] 7(70/72):5-9. Apr./June 1952. 49.9 Sp14

16179 SEGHETTI, L. Treatment of sore eyes in young lambs. Natl. Wool Grower 42(11):28. Nov.1952. 45.8 N21N

Entropion.

16180 SMITH, A. H., and others. Distribution of intravenously injected radioactive phosphorus (P32) among sheep tissues. J. Anim. Sci. 11:638-645. Nov.1952. 49 J82

M. Kleiber, A. L. Black, J. R. Luick, R. F. Larson, and W. C. Weir, joint authors.

16181 SPEDDING, C. R. W. The effect of a subclinical worm-burden on the live-weight gain of sheep at pasture. Empire J. Expt. Agr. 20:209-219. Ref. July 1952. 10 Em7

16182 SUTTON, G. D. The use of enterotoxaemia vaccine. So. African Vet. Med. Assoc. J. 23:185-186. Sept.1952. 41.8 So8

16183 TEN, M. P. Infusion of green alfalfa as a vitamin containing medicinal preparation. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):67-68. Mar./Apr. 1952. 49 K14

Treatment of deficiencies in lambs and calves.

16184 WALSBY, J. B. Caesarean section in the ewe. Vet. Rec. 64:651-654. Nov.1,1952. 41.8 V641

16185 WELLS, E. A. Anastomosis between the large intestine and the uterus in a goat. Vet. Rec. 64:639-640. Oct.25,1952. 41.8 V641

16186 WILKINS, H. F. Foot rot in sheep. Mont. Wool Grower 26(11):30,32. Nov.1952. 45.8 M762

16187 ZAMURIĬ, I. P., KOSTRIULINA, Z. N., and SAMOĬLOV, P. P. Diagnosis of brucellosis in lactating sheep and goats by the ring reaction method. (In Russian.) Karakulevodstvo i Zverovodstvo 5(1):67-68. Jan./Feb.1952. 49 K14

Miscellaneous

16188 ALEXANDER, G. I. Milch goats. Queensland Agr. J. 75:117-118. (Cont.) Aug.1952. 23 Q33

16189 ALONSO MUNOZ, A. Pastores. B. de Divulg. Ganad. [Ciudad Real] 70 7(70/72):11-12. Apr./June 1952. 49.9 Sp14

16190 DE KLERK, J. C. Sheep—man's warmest friend. Farming So. Africa 27:425-426. Sept.1952. 24 So842

16191 DIENER, H. O. 25jährige leistungsprüfungen der bayerischen schafzucht 1926—1951. Landwirt. Jahrb. f. Bayern 29:523-537. Sept./Oct.1952. 18 L24

16192 DUCK, R. W. Shorter days in the sheepfold; proper breeding and management of ewes is the best insurance for healthy lambs. Rur. New-Yorker 102:694-696. Nov.1,1952. 6 R88

16193 GAZALOV, B., and ORLOV, V. To carry out the electro-mechanical shearing of sheep on collective farms in an exemplary manner. (In Russian.) Mashinno-Traktornaía Sta. 12(5):18-19. May 1952. 58.8 M11

16194 KAUFFMAN, L. A. Are we worshipping false standards? Sheepman 23:290-291. Dec.1952. 45.8 Sh32

Judging sheep.

16195 MANN, J. L'élevage des moutons au Canada. Digeste de l'Eleveur 7(2):18-20. Oct.1952. 49 D56

16196 MARJANOVIĆ, M. Care of sheep and lambs after shearing. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):5-6. Aug.1952. 21.5 V87

16197 MENDEZ RUS, G. Ganadería lanar de la Provincia. In Colegio Oficial de Veterinarios de Granada. Divulgaciones ganaderas, p.61-74. Granada,1951. 40 C672

16198 MERRILL, MRS. M. L. The Greeks had a word for it, aigiazo. Dairy Goat J. 30(11):4-5. Nov.1952. 40.18 M592

On dairy goat associations.

16199 MONTANA WOOL GROWERS ASSOCIATION. Platform and policy. Mont. Wool Grower 26(12):7-9. Dec.1952. 45.6 M762

16200 MOYAL, M. The trail of the Alp Mountains. Hearth & Farm 6:198-203. Spring 1952. 10 B47

Trek of the sheep farmer and his flocks to the mountain pasturelands.

16201 MUÑOZ CAÑIZARES, R. La oveja y la lana. I-II. In Colegio Oficial de Veterinarios de Granada. Divulgaciones ganaderas, p.37-41,43-46. Granada,1951. 40 C672

Title of part II is La oveja y las telas.

From Ideal de Granada.

16202 RAO, H. A. G. Practical goat (milk) keeping. Mysore Agr. J. 28:14-23. Jan./June.1952. 23 M993

16203 RINEHART, E. F. The Idaho 4-H Sheep Club. Idaho. Agr. Col. Ext. B. 188,20 p. Feb.1952. 275.29 Id13

16204 SKODSHOLM, F. M. L'élevage du mouton au Danemark. Mouton 7:87-88. Aug./Sept.1952. 45.8 M86

16205 URTEL, J. Die ziege als leistungstier. Deut. Kleintier-Züchter 7(17):4-5. Sept.5,1952. 49 D483

16206 ZHARIKOV, I. G. Sheep raising farm of Michurin Collective Farm [in Tutaevskiĭ District, Yaroslavl Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(5):66-68. May 1952. 49 So71

SWINE

Breeds and Breeding

16207 BRÜGGEMANN. Welche probleme beschäftigen heute den schweinezüchter und -mäster? (Extr.) Deut. Landwirt.-Gesell. Mitt. 67:693. Sept.27,1952. 18 N39

16208 DAVIDSON, H. R. The Landrace under fire. Farmer & Stock-Breeder 66(3287):35,37. Oct.21/22,1952. 10 F228

16209 DEARNLEY, N. Successful pig breeding. Hearth & Farm 6:183-184. Spring 1952. 10 B47

16210 DEVUYST, A. Le porc de Piétrain dans l'économie porcine belge. II-III. Sillon Belge 22(524):1-2; 22(527):1,4. Sept.6,27,1952. 13 Si3

16211 ECKHOFF, H. Erbstämme und erblinien der prämien-schweine auf den letzten DLG-schauen. Tierzüchter 4:406-411. Aug.20,1952. 49 T445

16212 HAGGQVIST, G., and BANE, A. Kolchizininduzierte heteroploidie beim schwein. Svenska Vetenskakad. Handl. (ser.4)3(2), 14 p. 1951. 502 St6H

16213 KJØS, O. Objectives and development of swine breeding work. (In Norwegian.) (Excerpts.) Norsk Landbr. 18:410-412. Nov.7,1952. 11 N8122

16214 KNÎAZEV, K. Methods of extensive reproduction of swine on the state farms in Moscow Area. (In Russian.) Mîasnaîa Indus. SSSR. 23(2):69-72. Mar./Apr. 1952. 50.8 M58

16215 MACHTS, K. Schweinezucht und schweinekrankheiten. Wien. Tierärztl. Monatsschr. 39:677-692. (Cont.) Nov.1952. 41.8 T345

16216 RUMA, M. L. The lactation of Berkjala sows. Philippine Agr. 35:217-220. Sept.1951. 25 P542

16217 SEIFERT, H. A. The pedigree pigs. New Zeal. Studmasters' Annu. Rev. 4:134-135. 1952. 49.7 N48

16218 SKJERVOLD, H. Swine breeding. (Excerpts.) (In Norwegian.) Norsk Landbr. 18:432-434. Nov.21,1952. 11 N8122

16219 SKJERVOLD, H. Swine breeding research in U. S. A. (In Norwegian.) Tidsskr. f. det Norske Landbr. 59:162-193. Ref. May/June 1952. 11 T433

16220 UNANOV, G., and TALAEVA, M. Experiment in eliminating sterility in sows. (In Russian.) Mîasnaîa Indus. SSSR. 23(2):73-76. Mar./Apr.1952. 50.8 M58

Feeds and Feeding

16221 ALBA, J. DE. Ensayos de engorde de cerdos con raciones a base de cáscara de cacao, maiz y bananas. Turrialba 2:106-109. July/Sept.1952. 8 T86

16222 ALÎAPKINA, E., ALEMANOVA, V., and FROLOVA, T. How we had organized swine fattening. (In Russian.) Sotsialist. Zhivotnovod. 14(5):41-42. May 1952. 49 So71
Budennyĭ Collective Farm in Pokhvistnevskii District, Kuĭbyshev Region.

16223 AUBEL, C. E. Swine feeding investigations, 1946 to 1949. Kans. Agr. Expt. Sta. C. 287,20 p. June 1952. 100 K13S

16224 BARON, D. Do lean hogs pay? Farmer's Mag. 49(10):52,57. Oct.1952. 7 C165
Feeding costs.

16225 BECKMAN, H. J. Swineman's dream—sleek hogs on green clover. West. Livestock J. 30(58):207-208. Oct.15,1952. 6 F2278

16226 BEESON, W. M. New developments in swine nutrition. Iowa Vet. 23(6):12-13,32. Nov./Dec.1952. 41.8 Io9

16227 BESSI, W. M. New developments in swine nutrition. Norden News 27(10):11,21. Nov./Dec.1952. 41.8 N75

16228 BIBERDIEVA, M. Utilization of acidophilous cultures in raising baby pigs. (In Russian.) Sovet. Zootekh. 7(10):94-95. Oct.1952. 49 So822

16229 BRUNNERT. Rüben bei der schweinemast. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1867-1868. Nov.13.1952. 18 L2346

16230 CAMPBELL, J. The fattening of pigs in winter. Farmers' J. (n.s.)4:30. Nov.1952. 10 F2234

16231 CHEBOTAEV, N. Preparation of potato silage for swine. (In Russian.) Kolkhoz. Proizvodstvo 12(10):40. Oct.1952. 281.8 K83

16232 DALMATOV, V. A. Experiment in supplementary feeding of pure feed [castorbean oilcake] protein to baby pigs. (In Russian.) Sovet. Zootekh. 7(10):91. Oct. 1952. 49 So822

16233 DICKINSON, H. The latest answers to questions on antibiotics. Successful Farming 50(12):38-39,86. Dec.1952. 6 Su12
Mainly in swine and poultry nutrition.

16234 DÜRRWAECHTER. Eröffnung der bayerischen probemastanstalt für Nordbayern in Schwarzenau. Tierzüchter 4:557-559. Nov.20,1952. 49 T445

16235 EVANS, R. E. Nutrition of the bacon pig. XV-XVI. J. Agr. Sci. 42:422-453. Ref. Oct.1952. 10 J822

16236 FEVRIER, R. Les antibiotiques dans l'alimentation du porc. Porc 23(9):27-29. Oct.1952. 46.8 P822

16237 GRUMMER, R. H. The effect of antibiotics on hog carcass quality. Amer. Hampshire Herdsman 27(11): 16,18-19. Nov.1952. 46.8 Am33

16238 HALLER, A. Self feeding the nursing sow. Farm Q. 7(4):54-55,115-118. Winter 1952. 6 F22995

16239 HARWIN, G. O. Pigs following grain-fed cattle in the feedlot. Farming So. Africa 27:421-423. Sept. 1952. 24 So842

16240 HENTGES, J. F. JR., and others. A comparison of swine feeds as sources of provitamin A. J. Anim. Sci. 11:721-726. Ref. Nov.1952. 49 J82
R. H. Grummer, P. H. Phillips, and G. Bohstedt, joint authors.

16241 HUSBY, M. Hog feeding and pork production. (In Norwegian.) Norsk Landbr. 18:421-427. Nov.21,1952. 11 N8122

16242 IWEMA, S. The feeding of fattening pigs. (In Dutch.) Overijsselsch Landbbl. 34(1676):9,11. Oct. 16,1952. 12 Ov2

16243 JUCKER, H. Fütterung und haltung der schweine. Grüne 80:1273-1294. Nov.21,1952. 17 Sch9

16244 KOROLEV, N. A. Is it necessary to cook beets for feeding pigs? (In Russian.) Sovet. Zootekh. 7(10):89-91. Oct.1952. 49 So822

16245 KRAACK. Schweinefütterungsversuch mit roten rüben. Tierzucht 6:300-303. Sept.1952. 49 T443

16246 MACFARLANE, J. C. Let's clean up our piggeries. Our Dumb Anim. 85(10):15. Oct.1952. 48.8 Ou7
Swine fed on garbage.

16247 MILLER, E. C., JR. Handling your brood sows. Breeder's Gaz. 117(12):8,14. Dec.1952. 49 B74
Feeding.

16248 PETERSEN, W. W. Dangers connected with the use of waste food as hog feed. (In Danish.) Dansk Landbr. 71:556. Nov.13,1952. 280.28 V91

16249 PROCK, W., and NOWAK, E. Vergleichsfütterungen mit kartoffeleiweiss, hefe und tierkörpermehl. Landwirtschaft 19/20:299-300. Oct.1952. 19 L235
Swine.

16250 SCHOLZ. Uber die verfütterung von rohen, gemusten kartoffeln in der schweinemast. Deut. Landwirt. 3:601-603. Nov.1952. 18 D4822

16251 SHEFFY, B. E., and others. Fat, fat constants, and phospholipid content of sow's milk. J. Anim. Sci. 11: 727-735. Ref. Nov.1952. 49 J82
P. H. Phillips, H. A, Dymsza, R. H. Grummer, and G. Bohstedt, joint authors.

16252 SMITH, H. J., COLE, J. W., and HOBBS, C. S. Good pasture pays in swine production. Tenn. Agr. Expt. Sta. Prog. Rpt. 3:6-7. July/Sept.1952. 100 T25F

16253 THOMPSON, C. M., and others. Utilization of d-tryptophan by swine. J. Anim. Sci. 11:712-720. Nov. 1952. 49 J82
E. Reber, C. K. Whitehair, and R. MacVicar, joint authors.

16254 WORDEN, A. N., and BUNYAN, J. The administration of a procaine penicillin feeding supplement to "runt" pigs. Vet. Rec. 64:647-651. Ref. Nov.1,1952. 41.8 V641

16255 WUSSOW , and ROSS. Schweinemastversuch zum vergleich der eiweissfütterung von fischmehl und trockenhefe. Tierzucht 6:299-300. Sept.1952. 49 T443

Veterinary Medicine

16256 AÏZINBUDAS, L. B. On methods of studying the alimentary motor reflexes in swine. (In Russian.) Sovet. Zootekh. 7(7):86-87. July 1952. 49 So822

16257 BEHRINGWERKE. Über schutzimpfungen gegen schweinerotlauf. Marburg,1952. 43 p. (Behringwerke Beitrage für die Tierarztliche Praxis) 41 B398U

16258 BERGMANN, J. Zur frage der rotlauf-antikörper. Monatsh. f. Prakt. Tierheilk. 4:363-366. 1952. 41.8 M74

16259 BOTTARELLI, A. Serious form of poisoning of swine due to petroleum sands. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:208-213. 1951. 41.9 So17
English summary.

16260 CHAVARRIA C., M. La cisticercosis como problema de salubridad publica en Mexico. Ofic. Sanit. Panamer. B. 33:394-404. Nov.1952. 449.9 P192B
Includes swine.

16261 CORONEL, A. B., and ALBIS, F. S. Preliminary report on the attenuation of hog cholera virus by alternating passages through pigs and duck embryonated egg. Philippine J. Anim. Indus. 11:127-137. Second/Fourth Q.1950,pub.1952. 49.9 P53P

16262 CORONEL, A. B. Preliminary report on the propagation of hog cholera virus in rabbits. Philippine J. Anim. Indus. 11:107-114. Ref. Second/Fourth Q.1950, pub.1952. 49.9 P53P

16263 CORONEL, A. B. Progress report on the adaptation and/or attenuation of hog cholera virus in rabbits by the alternating technique. Philippine J. Anim. Indus. 11:139-157. Ref. Second/Fourth Q.1950,pub.1952. 49.9 P53P

16264 CORONEL, A. B. The status of hog cholera in the Philippines. Philippine J. Anim. Indus. 11:75-82. Second/Fourth Q.1950,pub.1952. 49.9 P53P

16265 DASQUE, M. G. La lutte contre la peste porcine. Porc 23(9):33-34. Oct.1952. 46.8 P822

16266 DEMNITZ, A. Entwicklung der schutzimpfung gegen schweinerotlauf von Pasteur bis zur gegenwart. In Behringwerke. Über schutzimpfungen gegen schweinerotlauf, p.7-20. Marburg,1952. 41 B398U

16267 DOMIZIO, G. DI. Tests on the transmission of edema in swine. (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:193-194. 1951. 41.9 So17
Summaries also in Italian and French.

16268 DRAGER, K. Über aktive immunisierung gegen rotlauf mit avirulenten rotlaufkulturen. In Behringwerke. Über schutzimpfungen gegen schweinerotlauf, p.21-43. Ref. Marburg,1952. 41 B398U

16269 EISSNER, G. Die messung der wirksamkeit von impfstoffen zur aktiven schutzimpfung gegen schweine-rotlauf. Monatsh. f. Prakt. Tierheilk. 4:401-413. Ref. 1952. 41.8 M74

16270 FEILS, G. J. Semiletale oder letale erbfaktoren als ursache des ferkelsterbens. Giessen,1951. 31 p. Ref. 41.2 F323

16271 GODGLÜCK, G. Zur differentialdiagnose der ansteckenden schweinelähme. Monatsh. f. Prakt. Tierheilk. 4:348-355. Ref. 1952. 41.8 M74

16272 GOODE, E. R., JR. and others. Brucella suis infection in suckling and weanling pigs. II. Amer. Vet. Med. Assoc. J. 121:456-464. Dec.1952. 41.8 Am3
C. A. Manthei, G. E. Blake, and T. E. Amerault, joint authors.

16273 GREEN, J. W. What is this disease, V.E.? Hoosier Farmer 37(11):38. Nov.1952. 280.82 H76
Vesicular exanthema.

16274 GWATKIN, R. and MITCHELL, C. A. Avian tuberculosis infection in swine. Canad. J. Compar. Med. 16:345-347. Oct.1952. 41.8 C162

16275 HAUSMANN, W. Ein neuer rotlauftotimpfstoff ohne aluminiumhydroxyd. Tierärztl. Umschau 7:428-429. Nov.1952. 41.8 T445

16276 HJÄRRE, A., DINTER, Z., and BAKOS, K. Vergleichende untersuchungen über eine influenza-ähnliche schweinerkrankheit in Schweden und Shopes schweineinfluenza. Nord. Vetmed. 4:1026-1045. Ref. Nov.1952. 41.8 N813
English summary.

16277 HUTCHCROFT, T. "V. E." threat is garbage problem. Iowa Agr. 51(2):6-7. Oct.1952. 6 Io9
Vesicular exanthema in swine.

16278 HUTCHINGS, L. M. Death losses in newborn pigs. Iowa Vet. 23(6):26,28,30. Nov./Dec.1952. 41.8 Io9

16279 LEIBINGER, F. Der einfluss von sulfonamiden auf die rotlaufinfektion der weissen maus. Giessen,1952. 47 p. Ref. 41.2 L537
Inaug.-Diss. - Giessen.

16280 LETZ, W. Ein beitrag zur schweinebrucellose in Nord-Württemberg. Giessen,1951. 22 p. 41.2 L566
Inaug.-Diss. - Giessen.

16281 LUCAS, A. Une nouvelle variété du virus de la peste porcine. Porc 23(9):31-32. Oct.1952. 46.8 P822

16282 LUMAINE. La pasteurellose du porc. Sillon Belge 22(529):1-2. Oct.11,1952. 13 Si3

16283 MANTOVANI, G., and FERRAUDO, M. Observations on the practical application of inherited immunity in rearings with stationary swine-pest. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:393-395. 1951. 41.9 So17
English summary.

16284 MEISINGER, O. Über einen fall von hämorrhagischer diathese mit hochgradiger sekundärer anämie beim schwein, verursacht durch langdauernde verfütterung von rübenblättern. Wien. Tierärztl. Monatsschr. 39:621-624. Oct.1952. 41.8 T345
English summary.

16285 NANI, S. Research on the endotoxic components of Erysipelothrix rhusiopathiae. I. (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:346-347. 1951. 41.9 So17
Summaries also in Italian and French.

16286 OSBORNE, J. C., ROLLINS, H. J., and KELLEY, J. Brucellosis in swine. N. C. Agr. Col. Ext. Folder 93,6 p. Nov.1952. 275.29 N811Ex

16287 OWEN, B. D., and BOWLAND, J. P. The pantothenic acid content of the blood and milk of swine fed supplemental levels of the vitamin. J. Nutr. 48:317-324. Ref. Nov.10,1952. 389.8 J82

16288 POPPE, H. H. Neuartige schweinepestvakzinen in den USA. Tierärztl. Umschau 7:412-415. Ref. Nov. 1952. 41.8 T445

16289 RANDAZZO, V. An outbreak of piroplasmosis in swine in Sicily. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:382-384. 1951. 41.9 So17
English summary.

16290 RAUSCH, H. Untersuchungen über die brauchbarkeit der trockenblutreaktion zum nachweis der schweinetuberkulose. Giessen,1951. 21 p. Ref. 41.2 R193
Inaug.-Diss. - Giessen. Auszug.

16291 REUNEBSCGBEUDER, M. N. Vesicular exanthema. Ga. Vet. 4(5):2-3. Sept./Oct.1952. 41.8 G29

16292 ROMANELLI, V. Contribution to the study of enzymes hydrolizing hyaluronic acid and chondroitin-sulfuric acid in strains of Erysipelothrix rhusiopathiae. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:341-345. Ref. 1951. 41.9 So17
English summary.

16293 ROOTS, E., and VENSKE, W. Serologische und immunogene eigenschaften der Erysipelothrix rhusiopathiae (E. muriseptica). 2. Berlin. u. Münch. Tierärztl. Wchnschr. 65:223-225. Nov.1952. 41.8 B45

16294 SABA, B. Research on the filtrates of cultures of Erysipelothrix rhusiopathiae. (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:347-348. 1951. 41.9 So17
Summaries also in Italian and French.

16295 SCHEUHAMMER, F. Über backsteinblattern und ihre therapie. Wien. Tierärztl. Monatsschr. 39:624-629. Ref. Oct.1952. 41.8 T345
English summary.

16296 SHEFFY, B. E., and others. Nitrogen constituents of sow's milk as affected by ration and stage of lactation. J. Nutr. 48:103-114. Ref. Sept.10,1952. 389.8 J82
K. M. Shahani, R. H. Grummer, P. H. Phillips, and H. H. Sommer, joint authors.

16297 SIPPEL, W. L. White blood cell count in hog cholera. Vet. Med. 47:497-501. Ref. Dec.1952. 41.8 M69

16298 SMITH, H. A. Hog cholera: a case report with some advice to young veterinarians. Sowest. Vet. 6:52-53. Fall 1952. 41.8 So82

16299 STRAUCH, D. Ist der zur schutzimpfung von schweinen verwendete "schweine-apathogene" "rotlauf-lebendimpfstoff H7" für den menschen pathogen? Deut. Tierärztl. Wchnschr. 59:344-345. Nov.15,1952. 41.8 D482
Case of a veterinarian.

16300 TIKHONOV, V. N. Weight and line growth of pigs during the embryonic period of their development. (In Russian.) Sovet. Zootekh. 7(10):47-56. Oct.1952. 49 So822

16301 TONELLI, G. Rovac, a new vaccine for hog cholera. (In Italian.) Zooprofilassi 7:289-294. July 1952. 41.8 Z72
English summary.

16302 WALTZ, R. H. Indiana Swine Breeders Association proposes national research foundation. Poland China World 39(9):14-15. Nov.1952. 46.8 Sw62
Swine disease research.

16303 WIESSNER, F., and WIESSNER, W. Oberschenkelfrakturen bei schweinen. Wien. Tierärztl. Monatsschr. 39:613-621. Oct.1952. 41.8 T345
English summary.

Miscellaneous

16304 GRUDEV, D. I. Raising young pigs. (In Czech.) Za Socialist. Zemědél. 1,i.e.2:59-63. Jan.1952. 19.5 Z1
Czechoslovakia.

16305 MESSERSCHMIDT, H. Dänisches versuchswesen 1951/52 auf dem gebiet der schweinezucht. Tierzüchter 4:559-563. Nov.20,1952. 49 T445

16306 MURPHY, L. W. Mercy killing hogs—for profits. Food Indus. 23(12):26-27. Dec.1952. 286.83 C166
Carbon dioxide to anesthetize hogs before slaughter.

16307 NILSSON, N. E. Let the mother sows stay outside. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 30:95-96. Aug.1952. 49.9 Sk1

16308 OLDFIELD, J. E., and others. Swine production in Oregon. Oreg. Agr. Expt. Sta. B. 523,71 p. Aug. 1952. 100 Or3
J. B. Johnson, T. K. Johnson, J. F. Sullivan, R. W. Lauderdale, and C. W. Vrooman, joint authors.

16309 OLOFSSON, N. E. Hog experiments have kept up with the time. (In Swedish.) Lantmannen 36:927-930. Nov.15,1952. 11 L234

16310 SPILLERS. ADVISORY DEPT. Spillers pig book. London,1952? 28 p. 46 Sp4

16311 TARVER, R. Pigs for projects. Nowest. Okla. Cattleman 7(9):7. Oct.1952. 43.8 N812
4-H and FFA work.

16312 USTINOV, V. G., and DONTSOV, I. I. Leading practice in raising baby pigs. (In Russian.) Sovet. Zootekh. 7(10):39-46. Oct.1952. 49 So822

ENTOMOLOGY

GENERAL

16313 ABBOTT, C. E. When is an animal rare? Audubon Mag. 54:388-390. Nov./Dec.1952. 413.8 B53
Insects.

16314 BROWN, A. W. A. The mind of an entomologist. Canada. Sci. Serv. Div. Ent. News-let. 30(11):1-2. Nov.1,1952. 423.92 C16

16315 BURR, M. Field notes from Anatolia. IX. Ent. Rec. & J. Variation 64:309-315. Nov.1952. 421 En89
Insect collecting in Turkey.

16316 BUTCHER, J. W. The problem of sampling for forest insect populations. Ent. Soc. Manitoba. Proc. 7:30-34. Dec.1951. 420 En88

16317 CHISHOLM, A. H. Strange relations of birds and insects. Nat. Mag. 45:526-528,550. Dec.1952. 409.6 N214

16318 ENTOMOLOGICAL SOCIETY OF INDIA. Proceedings of the 12th annual general meeting held on 3rd & 4th January 1950, at Poona. Indian J. Ent. 12:123-126. June 1950,pub.June 1951. 420 In23

16319 FRANZ, J. Farbaufnahmen von insekten als lehr- und forschungsmittel. Deut. Gesell. f. Angew. Ent. Verhandl. 11:175-176. 1949,pub.1951. 420 D48V

16320 FREEMAN, T. N. Some problems of insect biology in the Canadian Arctic. Arctic 5:175-177. Oct. 1952. 470 Ar22

16321 GILMOUR, D., and CALABY, J. H. The magnesium-activated apyrase of insect muscle. Arch. Biochem. & Biophys. 41:83-103. Ref. Nov.1952. 381 Ar2

16322 HACKMAN, R. H. Green pigments of the hemolymph of insects. Arch. Biochem. & Biophys. 41: 166-174. Ref. Nov.1952. 381 Ar2

16323 HERON, R. J. Some relations of the nutrition of phytophagous insects to their ecology. Ent. Soc. Manitoba. Proc. 7:59-63. Ref. Dec.1951. 420 En88

16324 HODSON, A. C. The experimental approach to ecology. Ent. Soc. Manitoba. Proc. 7:21-29. Ref. Dec. 1951. 420 En88

16325 HOSTIE, E. Insectes observés au Grand-Duché de Luxembourg du 10 au 13 juin 1950. Soc. des Nat. Luxemb. B. (n.s.)44:373-374. 1950,pub.1951. 410.9 So127

16326 JACKSON, R. A. The protection of British insects. Oryx 1:355. Nov.1952. 410 Or9

16327 LAWALRÉE, A. Zoocécidies observées au Grand-Duché de Luxembourg en 1950. Soc. des Nat. Luxemb. B. (n.s.)44:182. 1950,pub.1951. 410.9 So127

16328 MCGAHA, Y. J. The limnological relations of insects to certain aquatic flowering plants. Amer. Micros. Soc. Trans. 71:355-381. Ref. Oct.1952. 440.9 Am33

16329 OLIFAN, V. I. Two types of periodicity in the post-embryonic development of insects which became apparent in studying the regularities of their growth. (In Russian.) Akad. Nauk SSSR. Dok. 85:1407-1410. Ref. Aug.21,1952. 511 P444A

16330 SALA DE CASTELLARNAU, P. I. Excursiones cientificas por Alicante y Gerona. Brotéria 21:189-195. 1952. 410 B79C
Chiefly insect collecting.

16331 SCHAELOW, E. New possibilities with the electronic flash equipment for close-up-and magnifier - photographs. Photog. u. Forsch. 5:20-26. Apr.1952. 332.8 P565
Includes insects.

16332 SHIRAI, S. On the behaviours of larvae of several insects and scorpions in early stage. (In Japanese.) (Abs.) Oyo-Kontyu 7:84-85. Aug.1951. 421 Oy6

16333 THORSTEINSON, A. J. The role of host selection in the ecology of phytophagous insects. Ent. Soc. Manitoba. Proc. 7:50-58. Dec.1951. 420 En88

16334 TURNER, A. H. Light-trap records in Somerset. Ent. Rec. & J. Variation 64:293-294. (Cont.) Oct. 1952. 421 En89

16335 TURNOCK, W. J. Discussion of the role of physical factors in ecology. Ent. Soc. Manitoba. Proc. 7: 44-49. Ref. Dec.1951. 420 En88

16336 UTIDA, S. Experimental demonstration of the population fluctuation in the interacting population of an insect and its parasite. (In Japanese.) (Abs.) Oyo-Kontyu 7:88. Aug.1951. 421 Oy6

16337 UTIDA, S., and WATANABE, S. Interaction between host and its parasite. (In Japanese.) (Abs.) Oyo-Kontyu 7:88. Aug.1951. 421 Oy6

16338 VALLENTYNE, J. R. Insect removal of nitrogen and phosphorus compounds from lakes. Ecology 33: 573-577. Ref. Oct.1952. 410 Ec7

16339 ZIKAN, J. F. Wie gross ist die nachkommenschaft bei Lepidopteren, Coleopteren, Mantiden und Orthopteren? Dusenia 3:289-302. July 31,1952. 410 D94

GENERAL - ECONOMIC

16340 ANCHIERRI, and GRIVAZ. Poudrage insecticide dans la peupleraie domaniale de Chautagne. Rev. Forest. Franç. 11:752-758. Nov.1952. 99.8 R329

16341 ANDREWS, J. M. The importance of household insecticides in public health. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:102-106. Ref. 1952. 307.9 C42

16342 BAL, S. N., GUPTA, B., and BASU, U. P. Problems of insecticides in India. Sci. Club J. 6:14-18. Ref. June/Aug.1952. 475 Sci29

16343 BASU, B. C. Insecticides and their application in veterinary practice. Indian J. Ent. 12:99-102. June 1950,pub.June 1951. 420 In23

16344 BECKER, G. Uber einige ergebnisse und probleme der angewandten entomologie auf dem holzschutzgebiet. Deut. Gesell. f. Angew. Ent. Verhandl. 11: 47-70. Ref. 1949,pub.1951. 420 D48V

16345 BELYEA, R. M. Death and deterioration of balsam fir [Abies balsamea] weakened by spruce budworm [Choristoneura fumiferana] defoliation in Ontario. I. Notes on the seasonal history and habits of insects breeding in severely weakened and dead trees. Canad. Ent. 84:325-335. Ref. Nov.1952. 421 C16

16346 BERAN, F., BÖHM, H., and WENZL, H. Kurze anleitung zur schädlingsbekämpfung im obstbau. Ed. 2. Wien,Bundesanstalt für Pflanzenschutz,1951. 66 p. 464.06 B452

16347 BERAN, F., and HENNER, F. Kurze übersicht über die bekämpfung der wichtigsten rebkrankheiten und rebschädlinge. Wien,Bundesanstalt für Pflanzenschutz, 1951. 46 p. 464.05 B45

16348 BLACKALLER V., A. El lindano, insecticida de actualidad. Tierra [México] 7:546-548. Aug.1952. 8 T445
Properties and uses.

16349 BLUMKE. Schafhaltung bedeutet schädlingsbekämpfung. Deut. Landwirt.-Gesell. Mitt. 67:651-653. Sept.13,1952. 18 N39
Chiefly on insect control in pastures.

16350 BOSQ, J. M. Enumeración de predatores observados en la Republica Argentina (Coleopteros y Hemipteros). Argentina. Inst. de Sanid. Veg. [P.], Ser. A 8(54),32 p. Ref. 1952. 464.9 Ar323
Biological control.

16351 BOX, H. E. The biological control of insect pests of sugar-cane, with special reference to the West Indian region. Agr. Soc. Trinidad & Tobago. Proc. 52:183-185,187-189,191-193,195-197,199-200. June 1952. 8 T73

16352 BROWN, A. W. A. Insect control by chemicals. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38: 86-88. Ref. 1952. 307.9 C42

16353 CAMPBELL, W. V., and HUTCHINS, R. E. Toxicity of insecticides to some predaceous insects on cotton. J. Econ. Ent. 45:786-789. Ref. Oct.1952. 421 J822

16354 CASTRO, J. Informe sobre la situación de las plantaciones de algodón en Guatemala con referencia a las plagas de dicho cultivo en el año de 1951. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(9):34-37. June 1952. 8 G937M
Insect pest situation.

16355 CERUSO, H. E. Algunos procedimientos de lucha contra plagas del algodonero. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:119-121. 1951/52. 9 Ag874

16356 CHEKALIN, I. IA. Activity of starlings useful in nurseries. (In Russian.) Les i Step' 4:81-82. Apr. 1952. 99.8 L565
Birds in insect control.

16357 CHEMICAL SPECIALTIES MANUFACTURERS ASSOCIATION. Proceedings, the thirty-eighth mid-year meeting, June 1952, the Sheraton-Plaza Hotel, Boston, Mass. New York,1952. 169 p. 307.9 C42
Includes papers read before the Insecticide Division.

16358 CLARK, E. Resistance of insects to DDT. Farm Res. [N. Y. State Sta.] 18(4):11. Oct.1952. 100 N48A

16359 COLE, T. V., and MULDREW, J. A. The factors of host distribution and time in biological control. I-II. Ent. Soc. Manitoba. Proc. 7:35-43. Dec.1951. 420 En88
I, by T. V. Cole; II, by J. A. Muldrew.

16360 CORKINS, J. P. Fall spraying of hogs. Bugs 5:50-51. Sept./Oct.1952. 421 B86

16361 CORKINS, J. P. Stored grain insects. Bugs 5: 49-50. Sept./Oct.1952. 421 B86

16362 DOBROVOL'SKIĬ, B. V., KUZNETSOV, K. A., and SEMENIKHINA, I. N. In the effort to increase the [acorn] productivity of oak. (In Russian.) Lesn. Khoz. 5(4):62-64. Apr.1952. 99.8 L5622
Chiefly on dusting pests by airplane.

16363 EMERY, G. A. The control of pests of stored farm produce. Essex Farmers' J. 31(8):37,39. Oct.1952. 10 Es72
Farm-stored grain and other feeding stuffs.

16364 ENTOMOLOGICAL SOCIETY OF MANITOBA. Proceedings, volume 7, 1951. Winnipeg,1952. 65 p. 420 En88

16365 FERGUSON, G. R. Industrial uses of insecticides in fabric pest control. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:91-93. 1952. 307.9 C42

16366 FISHER, R. C. Timber entomology. Timber Trades J. 203:781-783. Nov.1,1952. 99.81 T48

16367 FULTON, R. A. Aerosol development program at the Bureau of Entomology and Plant Quarantine. (Sum.) Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:35-36. 1952. 307.9 C42

16368 FULTON, R. A., GELARDO, R. P., and SULLIVAN, W. N. Relative efficiency of several methods of applying lindane in enclosed spaces. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:106-107. 1952. 307.9 C42

16369 GIRTH, H. B. Insects affecting trees grown for Christmas trees and Christmas greens in New Jersey. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 3:7-9. Oct.15,1951. 99.9 N422

16370 GUILLAUME, A. Substances attractives pour les insectes; produits insectillices. Chim. & Indus. 68: 717-722. Nov.1952. 383 C42

16371 HALLEMANS, A. Some pests injurious to roses. (In Flemish.) Cult. en Handel 18:522-523. Sept. 1952. 80 C892

16372 HAMBLETON, E. J. Entomology in the Point Four program. Washington,U. S. Off. Foreign Agr. Relat.,1952. 11 p. 1.943 En8
Paper before the Pacific Branch of the American Association of Economic Entomologists, Santa Barbara, June 24-26,1952.

16373 HAMMARLUND, L. Amount of liquid and strength in spraying. (In Danish.) Erhvervsfrugtavleren 18:325-328. Sept.1,1952. 80 Er3

16374 HASSETT, C. C., and JENKINS, D. W. Use of fission products for insect control. Nucleonics 10 (12):42-46. Ref. Dec.1952. 334.8 N88

16375 HATAI, N., KIMURA, N., and INOUE, H. Study on the relation between the size and the density of insecticide spray particles and the mortality. (In Japanese.) (Abs.) Oyo-Kontyu 7:82. Aug.1951. 421 Oy6

16376 HELVEY, T. C. Insecticidal effect of inert solid diluents. Science 116:631-632. Dec.5,1952. 470 Sci2

16377 HOLMES, E. L. Make your insect control program work. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.19-23. Chicago,1952. 47 In7Sa

16378 INSTITUT PASTEUR DU MAROC. Rapport sur le fonctionnement,années 1950-1951. Alger,1952? 70 p. 448.9 In782
Includes insects as disease vectors, and rabies control work.

16379 IVY, E. E. Testing systemic insecticides. Agr. Chem. 7(11):44-45,121,123. Nov.1952. 381 Ag8

16380 IYATOMI, K. Cryolite as an insecticide. (In Japanese.) (Abs.) Oyo-Kontyu 7:74. Aug.1951. 421 Ov6

16381 JAHN, E. Forstschädlingsauftreten in Tirol 1945-1952. Anz. f. Schädlingsk. 25:148-149. Oct.1952. 421 An9

16382 JOHANSSON, E., and SÖMERMAA, K. A current case of insect and fungus injuries to grain seeds. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1:14-16. Feb.1952. 464.9 Sw3V

16383 JOHNSTON, H. G., and SORENSON, J. W., JR. Control of storage insects in sorghum grain in south Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1488,4 p. Aug.18, 1952. 100 T31P

16384 JONES, H. A., KERBEY, G. F., and INCHO, E. J. Insect-proofing of paper. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:94-96. 1952. 307.9 C42

16385 KEEN, F. P. Insect enemies of western forests. U. S. D. A. Misc. P. 273,rev.,280 p. Ref.,p.246-254. July 1952. 1 Ag84M

16386 KEMPER, H. Nachkriegsprobleme der hygienischen zoologie. Deut. Gesell. f. Angew. Ent. Verhandl. 11:36-46. 1949,pub.1951. 420 D48V

16387 KOROTKIKH, G. I. Aerosols and apparatus for obtaining them. (In Russian.) Sel'khozmashina 4:5-7. Apr.1952. 58.8 Se42

16388 KRAEMER, G. D. Die definierung der brutbaumdisposition bei schädlingsbefall. Deut. Gesell. f. Angew. Ent. Verhandl. 11:171-175. 1949,pub.1951. 420 D48V

16389 KURTZ, O. L., CARSON, N. A., and VAN DAME, H. C. Identification of cereal insects in stored grain by their mandible characteristics. Assoc. Off. Agr. Chem. J. 35:817-826. Nov.15,1952. 381 As7

16390 LEIBY, R. W. Here's how to 'grub-proof' lawns and turf. Co. Agent & Vo-Ag Teacher 8(10):13-14. Oct.1952. 275.28 N213
Control of soil infesting insects with chlordane.

16391 MAINE. FOREST COMMISSIONER. Field book of destructive forest insects, by H. B. Peirson. Ed. 6. Augusta?Maine,1952. 28 p. 423 M283

16392 MARCH, R. B. Aspects of insecticide resistance. Calif. Mosquito Control Assoc. Proc. & Papers 20: 47-52. 1952. 428 C763

16393 MARTORELL, L. F., and ADSUAR, J. Insects associated with papaya virus diseases in the Antilles and Florida. J. Econ. Ent. 45:863-869. Ref. Oct.1952. 421 J822

16394 MASSEE, A. M. Spray recommendations for 1953. Grower [London] 38:868-871. Nov.1,1952. 286.83 M34
Insect control.

16395 MASUDA, Y., UEDA, Y., and SHIMIZU, I. Motor dusting and aerosol application of insecticides. (In Japanese.) (Abs.) Oyo-Kontyu 7:86-87. Aug.1951. 421 Oy6

16396 MATKOVSKIĬ, S. T. Control of soil pests of seedlings of oak and other tree species. (In Russian.) Les i Step' 5:82-83. May 1952. 99.8 L565
Soil insects controlled by benzenehexachloride.

16397 MENON, P. B., GUPTA, C. M. S., and BASU, B. C. Tests of some proprietory insecticides. Indian J. Vet. Sci. & Anim. Husb. 21:215-227. Dec.1951,pub.1952. 41.8 In22

16398 MESANZA, B. DE. Los modernos insecticidas defienden al hombre. Ceres [Valladolid] Sup. Inform. 17(455):10-11. Oct.15,1952. 15 C33

16399 MICHEL, J. M. Combate de plagas y enfermedades en el ganado. Agronomia [Monterrey] 23:8. July/Aug.1952. 8 Ag828

16400 MICKLE, G. T. Colorado field-crop insect pests. Colo. Agr. Col. Ext. B. 419-A,19 p. Apr.1952. 275.29 C71E

16401 MINNESOTA. OFF. OF STATE ENTOMOLOGIST. Orchard pest warning service information bulletin 4-6. University Farm, St. Paul,1952. 3 nos. 423.9 M66O

16402 MORI, H. On the insecticidal method with warming and reduced air pressure. (In Japanese.) (Abs.) Oyo-Kontyu 7:60. Aug.1951. 421 Oy6

16403 NAGASAWA, S. What is the best carrier for DDT dust? (In Japanese.) (Abs.) Oyo-Kontyu 7:87. Aug.1951. 421 Oy6

16404 NARAYANAN, E. S. New chemical weapons for fighting insect menace. Indian Farming (n.s.)2(6):14-15. Sept.1952. 22 In283

16405 NEATBY, K. W. Destiny of the Division of Entomology. Canada. Sci. Serv. Div. Ent. News-let. 30 (10):1-2. Oct.1,1952. 423.92 C16

16406 NEVES, C. M. B. Latest contribution to the study of the chief entomological problems of Portuguese Angola. (In Portuguese.) Agros [Lisboa] 35:197-216. July/Oct.1952. 15.5 Ag82

16407 NICARAGUA. MINISTERIO DE AGRICULTURA Y GANADERIA. DEPT. DE ENTOMOLOGIA. Sugestiones para el control de los insectos del algodon en Nicaragua, por R. B. Swain. Managua,1952. 8 p. 423.92 N51

16408 NOLTE, H. W. Beobachtungen über ölfruchtschädlinge. Deut. Gesell. f. Angew. Ent. Verhandl. 11: 184-189. Ref. 1949,pub.1951. 420 D48V

16409 NOMURA, K. Meteorological consideration on the outbreak zone of agricultural insect pests in Japan. (In Japanese.) (Abs.) Oyo-Kontyu 7:63. Aug.1951. 421 Oy6

16410 PEST CONTROL. Pest control; farmers' handbook, compiled by W. E. Ripper and others. Ed. 10. Cambridge, Eng.,1952. 103 p. 423 P433P
Plant pests and diseases, and weed control.

16411 PONOMARENKO, A. V. Chemical method for controlling pests in the oak group plantings. (In Russian.) Lesn. Khoz. 5(5):77-78. May 1952. 99.8 L5622
Benzene hexachloride.

16412 POOS, F. W. Relative importance of various insects harmful to alfalfa in eastern Canada, and the United States. Alfalfa Impr. Conf. Rpt. 13:34-36. 1952. 60.9 AL2

16413 PORTMAN, R. W. Orchard insect activity during 1950. Idaho State Hort. Soc. Trans. 1951:11-12. 81 Id12

16414 PRICE, M. D. New developments in pest control. Food [London] 21:428-430. Nov.1952. 389.8 F738
New insecticides in the food industry.

16415 RAUSCHER, H. Durchgasung von kleinmühlen. Deut. Gesell. f. Angew. Ent. Verhandl. 11:124-128. 1949. pub.1951. 420 D48V

16416 REED, T. W. Heat evaporization of lindane for insect control. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:108. 1952. 307.9 C42

16417 REICHENOW, E., VOGEL, H., and WEYER, F. Leitfaden zur untersuchung der tierischen parasiten des menschen und der haustiere. Ed. 3, rev. Leipzig,Barth, 1952. 297 p. Ref. 448 R272
Includes arthropods.

16418 RHODES, N. Friend or foe. For Sale, Want & Exch. B. 6(12):1. Oct.15,1952. 280.38 F74
Insects.

16419 ROBERTS, R. M. Fighting pests in the West. West. Grower & Shipper 23(12):196,198. Nov.1952. 280.38 W52
Insect, disease, and weed control.

16420 RODALE, J. I. Smoking out trouble; new greenhouse fumigant makes short, simple work of injurious insects safely. Org. Gard. 20(12):22-23,55. Dec.1952. 56.8 Or3
Smoke from oak leaves.

16421 SAN ROMAN, G. D. Los parasitos de las aves; manera de combatirlos. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:316-318. 1951/52. 9 Ag874
Insect pests.

16422 SCHLATTER, A. J. Schädlinge bedrohen unsere wälder. Wald u. Holz 34:28-33. Oct.1952. 99.8 W14
Insects and fungus diseases.

16423 SCHMIDT, H. W. Der kampf gegen forstschädliche insekten. Unser Wald 5(9):12-13. Sept.1952. 99.8 Un7

16424 SCHREAD, J. C. Tree pests and their control. Conn. Woodlands 17:60-61. Sept.1952. 99.8 C76
Mites, Anisota senatoria and Fenusa pusilla.

16425 SCHULTZ, R. W. Industrial use of insecticides in meat packing plants. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:96. 1952. 307.9 C42

16426 SEN, A. C. Selection of insecticides. Bihar Agr. Col. Mag. 3:4-8. Feb.1952. 107.5 B482
The insecticides for various uses.

16427 SHIMIZU, T., and others. Studies on the fog-fumigation. I-III. (In Japanese.) (Abs.) Oyo-Kontyu 7: 92-94. Aug.1951. 421 Oy6
I-II, by T. Shimizu and I. Imaizumi; III, by T. Shimizu, T. Kagami, and T. Yoshida.

16428 SMITH, M. V., and TOWNSEND, G. F. A method of measuring pollinator populations on field crops. Canad. Ent. 84:314-316. Oct.1952. 421 C16

16429 SMITH, W. A. Tobacco pests in Queensland. Queensland. Agr. J. 75:85-104. Aug.1952. 23 Q33

16430 SPEAR, P. J., and SWEETMAN, H. L. Continuous vaporization of insecticides with special reference to DDT. J. Econ. Ent. 45:869-873. Oct.1952. 421 J822

16431 STARNES, O. Gall-forming pests of Christmas trees. N. J. Farm Forestry & Christmas Tree Growers Assoc. B. 3:10-11. Oct.15,1951. 99.9 N422

16432 STOUTEMAS, E. Injuries to roses under glass. (In Flemish.) Tuinbouwberichten 16:139-140. Sept.15,1952. 80 T817
Pests and diseases.

16433 SUGAWARA, H., OMORI, H., and OYA, T. On the alteration of the insect fauna on the cabbage and Chinese cabbage by spraying insecticides. (In Japanese.) (Abs.) Oyo-Kontyu 7:95. Aug.1951. 421 Oy6

16434 SWAN, D. C. The world wages war on insects. Queensland Fruit & Veg. News 2(33):11-12. June 27, 1952. 280.38 Q3

16435 SWEETMAN, H. L. Continuous vaporization versus fumigation in structural pest control. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:108-109. 1952. 307.9 C42

16436 SYLSTRA, A. W. Incubator fumigation. Poultry Indus. [Boston] 58:7. Sept.1952. 47.8 N44

16437 TAKAOKA, I. Notes on the injurious insects of stored tobacco and tobacco products. (In Japanese.) (Abs.) Oyo-Kontyu 7:78. Aug.1951. 421 Oy6

16438 TAYLOR, L. F., APPLE, J. W., and BERGER, K. C. Response of certain insects to plants grown on varying fertility levels. J. Econ. Ent. 45:843-848. Ref. Oct.1952. 421 J822

16439 THIEL, P. H. VAN. Medical-entomological problems of the present time. (In Dutch.) Acta Leidensia 21:176-189. 1950,pub.1951. 448.9 L59

16440 THORBURN, J. A. The control of ecto-parasites of domestic stock with "toxaphene." So. African Vet. Med. Assoc. J. 23:171-178. Ref. Sept.1952. 41.8 So8

16441 TREICHLER, R. Military aerosol research & development program. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:34-35. 1952. 307.9 C42
Insecticides.

16442 TUNBLAD, B. Current fruit pests. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 3:33-35. June 1952. 464.9 Sw3V

16443 UNTERSTENHOFER, G. Uber wesen und gegenwärtigen stand der inneren therapie der pflanzen. Gesunde Pflanzen 4:257-260. Oct.1952. 464.8 G33
Systemic insecticides.

16444 UTIDA, S., and others. Pattern of special distribution of insects. I-IV. (In Japanese.) (Abs.) Oyo-Kontyu 7:89-91. Aug.1951. 421 Oy6
T. Kono, S. Watanabe, and T. Yosida, joint authors.
I, On the common cabbage worm, Pieris rapae L.; II, On the 28-spotted lady beetle, Epilachna sparsa orientalis Dieke; III, On the larvae of the rice stem borer, Chilo simplex Butler; IV, Experimental studies on the processes of insect dispersion.

16445 VERESHCHAGIN, B. V. Control of predators of fruit crops. (In Russian.) Les i Step' 3:68-69. Mar. 1952. 99.8 L565
Insects.

16446 WASHINGTON. STATE COLLEGE. POULTRY COUNCIL. Common external parasites of chickens and turkeys. Wash. State Col. Ext. B. 370,8 p. Nov.1952. (Poultry Pointers 34,rev.) 275.29 W27Pou

16447 WATTERS, F. L. Stored product insects. Ent. Soc. Manitoba. Proc. 7:13-14. Dec.1951. 420 En88

16448 WHITE, G. D. Experiments in preventing the build-up of insects in newly harvested wheat. U. S. Bur. Ent. & Plant Quar. E-850,3 p. Nov.1952. 1.9 En83

16449 WILCOCKS, C. Summary of recent abstracts. VII. Typhus group of fevers. Trop. Dis. B. 49:917-923. Oct.1952. 448.8 T752
Includes louse, flea, mite and tick as vectors.

16450 WILDE, T. E. Some practical aspects of emulsifiable insecticide formulations. Calif. Mosquito Control Assoc. Proc. & Papers 20:56-57. 1952. 428 C763

16451 WILLE, J. E. Insectos e insecticidas en la campaña algodonera 1951-1952. Vida Agr. [Lima] 29: 699,701,703,705,707,709-714. Aug.1952. 9.6 V66
Peru.

16452 WILSON, M. C., and DAVIS, R. L. Insect problems that develop on alfalfa following treatment with certain insecticides. Ohio J. Sci. 52:343-348. Ref. Nov. 1952. 410 Oh3

16453 YASUTOMI, K. Studies on the toxicities of hydrocarbons and ester oils. 2. (In Japanese.) (Abs.) Oyo-Kontyu 7:91-92. Aug.1951. 421 Oy6

16454 ZACHER, F. Hochfrequenzwärme als mittel zur bekämpfung von vorratsschädlingen. Deut. Gesell. f. Angew. Ent. Verhandl. 11:189-190. 1949,pub.1951. 420 D48V

16455 ZACHER, F. Pulverförmige bekämpfungsmittel gegen getreideschädlinge. Mühle 89:612-613. (Cont.) Sept.25,1952. 298.8 M89

16456 ZACHER, F. Pulverförmige bekämpfungsmittel gegen getreideschädlinge. Mühle 89:627-628. (Cont.) Oct.2,1952. 298.8 M89

16457 ZWOLFER, W. Forstentomologische nachkriegsprobleme in Süddeutschland. Deut. Gesell. f. Angew. Ent. Verhandl. 11:110-120. 1949,pub.1951. 420 D48V

INSECTICIDES

16458 AMERICAN CYANAMID CO. AGRICULTURAL CHEMICALS DIV. Digest of literature on parathion. New York,1951. 159 p. 241.64 Am36

16459 ANDERSON, R. W., BLAKELY, R. M., and MACGREGOR, H. I. The toxicity of aldrin for growing turkeys. Sci. Agr. 32:586-591. Nov.1952. 7 Sci2

16460 BERCK, B. Chemical determination of insecticides. Ent. Soc. Manitoba. Proc. 7:14-15. Dec.1951. 420 En88
DDT residues.

16461 BLINN, R. C., GUNTHER, F. A., and KOLBEZEN, M. J. Identification and properties of the colored compound formed in parathion estimations. Amer. Chem. Soc. J. 74:5516-5518. Nov.5,1952. 381 Am33J

16462 CARMAN, G. E., and others. The physical fate of parathion applied to citrus. J. Econ. Ent. 45:767-777. Ref. Oct.1952. 421 J822
F. A. Gunther, R. C. Blinn, and R. D. Garmus, joint authors.

16463 CASIDA, J. E., ALLEN, T. C., and STAHMANN, M. A. Reaction of certain octamethylpyrophosphoramide derivatives with chymotrypsin. Amer. Chem. Soc. J. 74:5548. Nov.5,1952. 381 Am33J

16464 CROWELL, R. L., RESNICK, S. L., and FAY, R. W. Laboratory development of lindane aerosols for in-flight use in aircraft. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:114-117. 1952. 307.9 C42

16465 DAHM, P. A. Effects of weathering and commercial dehydration upon residues of aldrin, chlordane, and toxaphene applied to alfalfa. J. Econ. Ent. 45:763-766. Oct.1952. 421 J822

16466 FORGASH, A. J. Fundamental investigations on the mode of action of insecticides. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:112-114. 1952. 307.9 C42

16467 FORTUSHNYI, V. A., and GLADENKO, I. N. Testing toxicity of benzene hexachloride on warm-blooded animals. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:257-269. Ref. 1951. 41.9 K522

16468 GARDNER, L. R. The insecticide industry outlook. Calif. Mosquito Control Assoc. Proc. & Papers 20:46-47. 1952. 428 C763

16469 HOPKINS, L., GYRISCO, G. G., and NORTON, L. B. Trials with lime in controlling DDT residues on forage at harvest. J. Econ. Ent. 45:893-894. Oct.1952. 421 J822

16470 HORIGAN, F. D., and COZZI, F. H. The persistency of insecticidal residues on various surfaces; a literature survey. U. S. QM Res. & Devlpmt. Lab. Tech. Libr. Bibliog. Ser. 23,23 p. July 1952. 152.7 B47

16471 INCHO, H. H., and GREENBERG, H. Synergistic effect of piperonyl butoxide with the active principles of pyrethrum and with allethrolone esters of Chrysanthemum acids. J. Econ. Ent. 45:794-799. Ref. Oct.1952. 421 J822

16472 INGLE, L. Chronic oral toxicity of chlordan to rats. Arch. Indus. Hyg. & Occup. Med. 6:357-367. Oct.1952. 449.8 Ar24

16473 JENSEN, J. A., DURHAM, W. F., and PEARCE, G. W. Studies on fate of parathion in rabbits, using radioactive isotope techniques. Arch. Indus. Hyg. & Occup. Med. 6:326-331. Oct.1952. 449.8 Ar24

16474 KAMITO, A., and ITO, F. On the diminution of γ-isomer contained in BHC-dust on the market. (In Japanese.) (Abs.) Oyo-Kontyu 7:92. Aug.1951. 421 Oy6

16475 KAMITO, A., and YAMAMOTO, T. The penetration of γ-BHC to insect integument. (In Japanese.) (Abs.) Oyo-Kontyu 7:56. Aug.1951. 421 Oy6

16476 KAZUO, N., SUZUKI, T., and TAKITA, K. Studies on the physical properties of agricultural chemicals. 4-6. (In Japanese.) (Abs.) Oyo-Kontyu 7:82-83. Aug.1951. 421 Oy6
4, The dispersibility of insecticidal dusts, by N. Kazuo, T. Suzuki and K. Takita; 5-6, Wash off of insecticidal dusts by rainfall or dew, by T. Suzuki and K. Takita.

16477 LELAND, S. J. Some observations on the toxicology of lindane. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:110-112. Ref. 1952. 307.9 C42
Toxicity to man.

16478 MELIS, A. Necessity for cautious use of insecticides for the protection of plants and agricultural products used in the agricultural industries. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):415-430. Ref. 1952. 388 C765Re
English summary.

16479 MILONE, M., and BORELLO, E. Influence des impuretés sur l'analyse spectroscopique infra-rouge de l'hexachlorocyclohexane technique. Chim. Analyt. 34:189-192. Sept.1952. 383 An72

16480 MITCHELL, L. C. A new indicator for the detection of the chlorinated pesticides on the paper chromatogram. Assoc. Off. Agr. Chem. J. 35:928. Nov. 15,1952. 381 As7

16481 MITCHELL, L. C. Separation and identification of chlorinated organic pesticides by paper chromatography. Assoc. Off. Agr. Chem. J. 35:920-927. Nov.15, 1952. 381 As7

16482 ORR, R. T. Insecticides in food plants. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year 38:93-94. 1952. 307.9 C42

16483 PELLEGRINI, J. P., JR., MILLER, A. C., and SHARPLESS, R. V. Biosynthetic preparation of C^{14}-labeled pyrethrins. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:89-91. 1952. 307.9 C42

16484 PLATONE, E. Perfeccionamiento del procedimiento quimico para la fabricación industrial del verde de Schweinfurt (aceto-arsenito de cobre) para fines insecticidas. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:291. May 1952. 385 R322

16485 POST, G. The effects of aldrin on birds. J. Wildlife Mangt. 16:492-497. Oct.1952. 410 J827

16486 ROARK, R. C. A digest of information on allethrin. U. S. Bur. Ent. & Plant Quar. E-846,58 p. Sept.1952. 1.9 En83

16487 ROEGNER-AUST, S. Uber die wirkung der neuen kontaktinsektizide auf fische.• Deut. Gesell. f. Angew. Ent. Verhandl. 11:129-136. 1949,pub.1951. 420 D48V

16488 SAKAI, S., SATO, M., and KOJIMA, K. Insect toxicological studies on the joint toxic action of insecticides. II. On the joint toxic action between contact insecticides. (In Japanese.) (Abs.) Oyo-Kontyu 7:80. Aug. 1951. 421 Oy6

16489 SCHLOSSMAN, J. Procurement planning policy and practice—present and future. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:32-34. 1952. 307.9 C42
Insecticides procurement by the Navy.

16490 SHEPARD, H. H. The Department of Agriculture and its relation to industry raw material requirements for pesticides. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:114. 1952. 307.9 C42

16491 SINCLAIR, W. B., and CRANDALL, P. R. Methods for determining ethylene chlorobromide and ethylene dibromide. J. Econ. Ent. 45:882-887. Oct.1952. 421 J822

16492 SNAPP, O. I. Injury to peach trees from propylene dichloride. J. Econ. Ent. 45:891. Oct.1952. 421 J822

16493 SPARR, B. I. Preliminary screening of emulsifiable toxaphene concentrates. U. S. Bur. Ent. & Plant Quar. E-847,5 p. Sept.1952. 1.9 En83

16494 SPARR, B. I., and others. Studies on the stability of toxaphene emulsions in dipping vats. U. S. Bur. Ent. & Plant Quar. E-849,11 p. Nov.1952. 1.9 En83
J. C. Clark, E. E. Vallier, and A. H. Baumhover, joint authors.
Dipping cattle.

16495 U. S. INTERDEPT. COMMITTEE ON PEST CONTROL. A statement on the health hazards of thermal generators as used for the control of flying insects. Washington,1951. 2 p. 173 In824St

16496 VERNE, J., and WEGMANN, R. Action du DDD ou rhothane sur les surrénales. Soc. de Biol. Compt. Rend. 146:1044-1046. July 1952. 442.9 P21

16497 WAUD, R. A. A study of the toxicology of the insecticide aldrin (hexachloro-hexahydro-dimethano naphthalene). (Abs.) J. Pharmacol. & Expt. Ther. 106: 423. Dec.1952. 396.8 J82

16498 WILBUR, D. A. Effects of insecticidal dusts containing piperonyl butoxide and pyrethrins applied to wheat on the flavor of eggs. J. Econ. Ent. 45:899. Oct. 1952. 421 J822

16499 WILBUR, D. A. Effects of the moisture content of wheat on the toxicity of insecticidal dusts containing piperonyl butoxide and pyrethrins. Kans. Ent. Soc. J. 25:121-125. Oct.1952. 420 K13

16500 YAMAGUCHI, K., NAGASAWA, M., and ABE, S. Requirement of the pyrethrum emulsion for epidemic prevention with commentary and experimental data. (In Japanese.) Japan. Natl. Hyg. Lab. B. 69:28-30. Dec.1951. 449.9 J27
English summary.

APICULTURE AND APIS MELLIFERA

16501 ALBER, M. A. Large cells. (In Italian.) Apic. d'Italia 19:212-214. Oct.1952. 424.8 Ap372

16502 ALBER, M. A. What bee race? (In Dutch.) Maandschr. v. Bijenteelt 54:124-125. Aug.1952. 424.9 V58

16503 ANDREU, E. Les abeilles sont utiles à l'agriculture. Rev. Agr. de l'Afrique du Nord 50:562-563. Sept.5,1952. 80 R326

16504 ANGELERI, G. Why bees swarm. (In Italian.) Apic. Mod. 44:238-239. Oct.1952. 424.8 Ap39

16505 ARMBRUSTER, L. Die älteste bekanntgewordene darstellung eines bienenkorbes im freiburger Münster. Arch. f. Bienenk. 29:127-129. 1952. 424.8 Ar2

16506 ARMBRUSTER, L. Ein auslesezentrum in Norwegen. Arch. f. Bienenk. 29:42-47. 1952. 424.8 Ar2

16507 ARMBRUSTER, L. Bastard-zentrale Kelley-Insel. 1. Arch. f. Bienenk. 29:73-77. Ref. 1952. 424.8 Ar2

16508 ARMBRUSTER, L. Die biene auf griechischen münzen. Arch. f. Bienenk. 29:49-68. Ref. 1952. 424.8 Ar2

16509 ARMBRUSTER, L. Bienenbilder und verwandtes auf antiken gemmen. Arch. f. Bienenk. 29:68-73. Ref. 1952. 424.8 Ar2

16510 ARMBRUSTER, L. Genpartner-schwärme spielen mit fortpflanzung und tod. Arch. f. Bienenk. 29: 12-17. 1952. 424.8 Ar2

16511 BAHR, H. Warum vermehrung der kübler-weide? Hess. Biene 88:179-180. Oct.1952. 424.8 B476

16512 BAILLOD, M. Calfeutrage des ruches. J. Suisse d'Apicult. 49:284-285. Oct.1952. 424.9 So1

16513 BANFF, J. Imkernachwuchs. Hess. Biene 88: 178-179. Oct.1952. 424.8 B476

16514 BANFF, J. Strukturwandel des imkers und der imkerei. Hess. Biene 88:156-157. Sept.1952. 424.8 B476

16515 BATLINER, J. Die natürliche bekämpfung der milbenseuche. Osterr. Imker 2:161-162. Sept.1952. 424.8 Os7

16516 BERNER, U. Die entwicklungslehre und die vererbung. Nordwestdeut. Imkerztg. 4:360-362. Nov. 1952. 424.8 N753

16517 BERNER, U. Magazin oder blätterstock? Nordwestdeut. Imkerztg. 4:331-332. Oct.1952. 424.8 N753

16518 BICHTLER, E. Sind afterweisel sinnlos? Imkerfreund 7:333-335. Oct.1952. 424.8 Im43

16519 BRASSLER, K. Stille stunden am mikroskop eine kleine einführung in die imkerische mikroskopie. Deut. Bienenwirt. 3:229. Nov.1952. 424.8 D489

16520 BUDEL, A., and GRZIWA, J. Die lebensgeschichte einer brutwabe. Imkerfreund 7:310-313. Oct.1952. 424.8 Im43

16521 CMER, S. Installation of queenless bee company. (In Slovenian.) Slovenski Čebelar 54:186-187. Sept.15,1952. 424.8 SL5
Queen introduction.

16522 DEUTSCHER IMKERBUND. Bericht 1951/52. Deut. Bienenwirt. 3:180-193. Sept.1952. 424.8 D489

16523 DINNENDAHL, W. Obstertrag und bienenzucht ein warnruf! Südwestdeut. Imker 4:322-323. Oct.1952. 424.8 Su25

16524 DIOSET. Contre l'insémination artificielle. Gaz. Apic. 53:239,250. Aug.1952. 424.8 G25

16525 DIXON, G. F. An experiment with Père Dugat's system. Bee Craft 34:172. Nov.1952. 424.8 B3925

16526 DOBROVEC, L. On wasps and ants. (In Serbo-Croatian.) Slovenski Cebelar 54:153-155. Aug.15,1952. 424.8 S15
Pests of Apis mellifera.

16527 DOLENC, J. Few words on bee protection. (In Slovenian.) Slovenski Čebelar 54:184-186. Sept.15,1952. 424.8 SL5
Colony management.

16528 DUGAT, M. Elevage des reines. Cahiers Apic. 9/10:41-47. Apr./Sept.1952. 424.8 C73

16529 DUGAT, R. P. Cours d'apiculture moderne. Cahiers Apic. 9/10:4-13. (Cont.) Apr./Sept.1952. 424.8 C73

16530 DUMONT, J. Regles a observer pour reussir en apiculture. Cour. Apic. Franç. 5:59-61. Sept./Oct. 1952. 424.8 C832

16531 ECKERT, J. E. Hive loaders. Gleanings Bee Cult. 80:716-719,759. Dec.1952. 424.8 G47

16532 EVENIUS. Die Arbeitsgemeinschaft der Institute für Bienenforschung. Deut. Bienenwirt. 3:222-224. Nov.1952. 424.8 D489

16533 EVERS, J. H. J. Problems connected with the Aalster management method. (In Dutch.) Maandschr. v. Bijenteelt 54:98-99. July 1952. 424.9 V58

16534 FOWLE, F. E. Starvation drill. Wiltshire Beekeepers' Mag. 82:10-11. Nov./Dec.1952. 424.8 W71

16535 GANZ, A. "Curarina roman" ein mittel gegen bienenstiche. Südwestdeut. Imker 4:318-319. Oct. 1952. 424.8 Su25

16536 GIEGERICH, L., III. Um die zukunft in der deutschen bienenzucht. Hess. Biene 88:155-156. Sept. 1952. 424.8 B476

16537 GRAF, F. Der honigertrag. Schweiz. Bienen-Ztg. 75:456-459. Oct.1952. 424.8 Sch9

16538 GROOT, A. P. DE. Apiculture and bee nutrition. (In Dutch.) Maandschr. v. Bijenteelt 54:152-155, 159. Oct.1952. 424.9 V58

16539 GROTEGUT, L. Bienenwanderung. Westfälische Bienenztg. 65:278-279. Oct.1952. 424.8 W526

16540 HAGEBOLLING, W. Die berufliche erziehung und ausbildung zum imker. Westfälische Bienenztg. 65: 273-274. Oct.1952. 424.8 W526

16541 HALBRITTER. Beutenfragen. Imkerfreund 7: 320-321. Oct.1952. 424.8 Im43

16542 HALLUND, V. Some feeding experiments. (In Danish.) Tidsskr. f. Biavl 85:131-133. Sept.20,1952. 424.8 T43
Apis mellifera.

16543 HAMBLETON, J. I. The new role of honey bees in American agriculture. Pa. U. Morris Arboretum B. 5(2):15-19. Sept.1952. 451 P383
Chiefly as pollinators.

16544 HAMMER, O. Attitude of farmers toward bees and the consequences of that. (In Danish.) Tidsskr. f. Landøkon. 10:417-426. Oct.1952. 11 T43
Pollination and bee poisoning.

16545 HAMMER, O. Warning against salt feeding. (In Danish.) Tidsskr. f. Biavl 85:138. Sept.20,1952. 424.8 T43
Of bees.

16546 HARNEY, W. Arbeiten im spätherbst. Westfälische Bienenztg. 65:283-284. Oct.1952. 424.8 W526

16547 HEBDEN, H. Ways and means to better beekeeping. 14-15. Yorkshire Beekeeper 3:73-75. Oct.1952. 424.8 Y8

16548 HEROLD, E. Pressrahmenbetrieb. Imkerfreund 7:322,327. Oct.1952. 424.8 Im43

16549 HOLENSTEIN, R. Bienensterben infolge unsachgemässer anwendung von ungeziefer-bekämpfungsmitteln. Schweiz. Bienen-Ztg. 75:444-445. Oct.1952. 424.8 Sch9
Insecticides.

16550 HOLZKE, K. Wo bleibt der verstand? Niedersächs. Bienenfr. 10:249-250. Oct.1952. 424.8 N552
Costs and returns.

16551 HOLZL, F. Temperatur—honigtau—waagvolk. Osterr. Imker 2:154-157. Sept.1952. 424.8 Os7

16552 HUMMEL, A. Das gesetz der 40 tage. Südwestdeut. Imker 4:316-317. Oct.1952. 424.8 Su25

16553 HUNDSDORFER, G. The use of nitrous oxide N_2O (laughing gas) in the handling of bees. Gleanings Bee Cult. 80:720-721,757. Dec.1952. 424.8 G47

16554 HUPFELD, H. Sind wir auf dem richtigen weg bei der wiederbeweiselung eines volkes? Hess. Biene 88:125-126. Aug.1952. 424.8 B476

16555 INONE, T. The beekeeping industry in Japan. Gleanings Bee Cult. 80:722-723. Dec.1952. 424.8 G47

16556 JEBSEN, W. Das bienenleben in zahlen. Arch. f. Bienenk. 29:17-30. 1952. 424.8 Ar2

16557 JOERGES, F. Ist die emsländische heide überbesetzt? Nordwestdeut. Imkerztg. 4:355-358. Nov. 1952. 424.8 N753

16558 JOINER, J. Bees buzz to stardom in highway drama of clover. Fla. Grower 60(8):9,18. Aug.1952. 80 F6622

16559 KADESJÖ, S. Impressions of Norwegian apiculture. (In Swedish.) Bitidningen 51:213-214. Sept. 1952. 424.8 B54

16560 KAESER. Bienenschädigungen durch pflanzenschutzmittel. Deut. Gesell. f. Angew. Ent. Verhandl. 11: 141-142. 1949,pub.1951. 420 D48V

16561 KATZNELSON, H., ARNOTT, J. H., and BLAND, S. E. Rapport préliminaire sur le traitement de la loque européenne des abeilles au moyen des antibiotiques. Abeille et l'Erable (ser.2)21:125-126. (Concl.) Oct.1952. 424.8 Ab32

16562 KLAPWIJK, P. An "ideal-combination." (In Dutch.) Maandschr. v. Bijenteelt 54:156-158. Oct.1952. 424.9 V58
Beehives.

16563 KOFER, H. Zusetzen einer königin auf abgesperrter ganzwabe. Imkerfreund 7:330-331. Oct. 1952. 424.8 Im43

16564 KOLLING, F. Nach der auffütterung. Westfälische Bienenztg. 65:279-282. Oct.1952. 424.8 W526

16565 KRAUSS, J. Bienenzucht und schädlingsbekämpfung. Deut. Gesell. f. Angew. Ent. Verhandl. 11:137-141. 1949,pub.1951. 420 D48V

16566 KRCZAL, H. Untersuchungen zur variabilität von flügelindex und rüssellänge bei der honigbiene. Z. f. Bienenforsch. 1:225-234. Ref. Oct.1952. 424.8 Z3

16567 LANGRIDGE, D. F. American foulbrood. Austral. Bee J. 33:146-149. Sept.1952. 424.8 V66

16568 LAPI, E. Hives of ten or of twelve frames? (In Italian.) Apic. d'Italia 19:190-192. Sept.1952. 424.8 Ap372

16569 LA TOISON, M. La "lumière noire." Cahiers Apic. 9/10:48-50. Apr./Sept.1952. 424.8 C73

16570 LEHMANN, A. Schutz der schweizerischen bienenzucht. Schweiz. Bienen-Ztg. 75:395-399. Sept. 1952. 424.8 Sch9

16571 LOTTIN, L. Contribution a l'etude de la ventilation des ruches. Cahiers Apic. 9/10:30-31. Apr./Sept.1952. 424.8 C73

16572 LOWY, P. Soll und haben im haus. Deut. Bienenwirt. 3:224-225. Nov.1952. 424.8 D489

16573 LUDWIG, A. Die honigbiene (Apis mellifica L.). Ed. 2, rev. by J. O. Hüsing. Leipzig,Geest & Portig, 1952. 97 p. (Die Neue Brehm-Bücherei; das Leben der Tiere und Pflanzen in Einzeldarstellungen 31) 424 L96H

16574 MAARZAHL. Die aufgaben des instituts für bienenforschung in Celle von der praxis aus gesehen. Nordwestdeut. Imkerztg. 4:322-324. Oct.1952. 424.8 N753
Niedersächsische Landesinstitut für Bienenforschung.

16575 MAIBACH, E. Ein bienenvolk aus dem Emmental fliegt nach Ostafrika. Schweiz. Bienen-Ztg. 75: 409-411. Sept.1952. 424.8 Sch9

16576 MAIER, K. Lehr- und vortragswesen, unterrichtsstoff für einen anfängerkurs. Deut. Bienenwirt. 3: 202-203. Oct.1952. 424.8 D489

16577 MARSON, J. E. The preparation of microslides of the honeybee. I. General methods for all insects. Bee World 33:183-188. Nov.1952. 424.8 B399

16578 MATHIS, M. Polygynie temporaire, mais constante et naturelle, chez Apis mellifica var. punica en Tunisie: absence de combats mortels entre les reines. Gaz. Apic. 53:230-232. Aug.1952. 424.8 G25

16579 MAUL, H. Das bienenjahr 1952 - rückblick und ausblick. Hess. Biene 88:147-149. Sept.1952. 424.8 B476

16580 MÉDICI, M. Formas de cazar enjambres de abejas. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:270-272. 1951/52. 9 Ag874

16581 MESSINA, A. Imkerbummel in Algerien. Deut. Bienenwirt. 3:204-208. Oct.1952. 424.8 D489

16582 MEYER, E. DE. L'acariose des abeilles (Acarapis woodi) est vaincue. Gaz. Apic. 53:240-241. Aug.1952. 424.8 G25

16583 MEYER, H. Was kann die bienenzucht von der grosstierzucht lernen? Südwestdeut. Imker 4:324-326. Oct.1952. 424.8 Su25

16584 MIHELIC, S. The modern AZ hive. (In Slovenian.) Slovenski Cebelar 54:156-159. Aug.15,1952. 424.8 SL5

16585 MIHELIČ, S. Modern AZ-hive. (In Slovenian.) Slovenski Čebelar 54:183-184. Sept.15,1952. 424.8 SL5

16586 MILNE, P. S. Foul brood in England and Wales, 1942-51. Gt. Brit. Min. Agr. Agriculture 59:306-310. Oct.1952. 10 G79J

16587 MOREAUX, R. Conclusions d'expériences sur la sulfamidothérapie dans la loque maligne. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:148-149. Sept.1952. 424.9 Sy7

16588 NATIONAL BEEKEEPERS' ASSOCIATION OF NEW ZEALAND. Annual report 1951-52. New Zeal. Beekeeper 14(3):3,5-6. Aug.1952. 424.8 N483

16589 NOLD. Räuberei und ableger. Hess. Biene 88: 168-169. Oct.1952. 424.8 B476

16590 NOLD, R. Unterschiede in der stillen umweiselung. Hess. Biene 88:146-147. Sept.1952. 424.8 B476

16591 OCHIAI, M. Development of honey bee larvae by environmental element and factor. (In Japanese.) (Abs.) Oyo-Kontyu 7:73. Aug.1951. 421 Oy6

16592 OKADA, I. On some mailing-cages of the queen bee. (In Japanese.) (Abs.) Oyo-Kontyu 7:54-55. Aug.1951. 421 Oy6

16593 OLBERG, G. Bienen und klee. Nordwestdeut. Imkerztg. 4:358-360. Nov.1952. 424.8 N753

16594 ONCKEN, W. Wie rette ich honigvorräte in trachtloser zeit? Niedersächs. Bienenfr. 10:247-248. Oct.1952. 424.8 N552

16595 OSTHEIMER IMKER-VEREIN. Festschrift des Imkervereins Ostheim v. d. Rhön zur feier seines 90 jährigen bestehens, verbunden mit einer tagung der unterfränkischen imker und einer ausstellung: ein gang durchs bienenjahr, 16-18 Juni 1951. Ostheim v. d. Rhön,Werner, 1951. 32 p. 424.9 Os7

16596 OTT-ESCHKE, M. Die zeidelwirtschaft im Nürnberger Reichswald. Forstwiss. Centbl. 71:313-320. Ref. Sept./Oct.1952. 99.8 F775

16597 PANOV, A. Forest pastures for bees. Phenological retrospect. (In Serbo-Croatian.) Narod. Šumar 6: 137-143. May/June 1952. 99.8 N16

16598 PEETERS, F. J. Combining and strengthening of bee colonies. (In Flemish.) Cult. en Handel 18:531. Sept.1952. 80 C892

16599 PELLAR, R. Rationalisierung der betriebe. Hess. Biene 88:128-130. Aug.1952. 424.8 B476

16600 PIETRI, G. A queen factory. (In Italian.) Apic. d'Italia 19:207-211. Oct.1952. 424.8 Ap372

16601 PIRNAT, J. Discussion about bees. (In Slovenian.) Slovenski Čebelar 54:180-182. Sept.15,1952. 424.8 SL5

16602 RESHOVSKY, E. E. Bee venom therapy for arthritis. Mod. Beekeeping 36:371-373,391. Nov.15,1952. 424.8 B397

16603 RIHAR, J. Importance of bees for pollination of fruit trees. (In Slovenian.) Sadjarstvo Vinarstvo Vrtnarstvo 4:107-108. Apr.1952. 21.5 Sa1

16604 ROGERS, N. V. The wicked heretic replies. Bee Craft 34:175-177. Nov.1952. 424.8 B3925
Colony management.

16605 ROSWALL, G. The beekeeper trip to Austria 1952. (In Swedish.) Bitidningen 51:209-213. Sept.1952. 424.8 B54

16606 ROVEDA, R. J., and LASTRA, M. R. DE. Parasitos de las abejas. Rev. de Med. Vet. [Buenos Aires] 33:265-273. Ref. Oct./Dec.1951. 41.8 B86

16607 RUNK. Auffütterung der bienenvölker zur uberwinterung. Hess. Biene 88:124-125. Aug.1952. 424.8 B476

16608 RUTTNER, F. Bienenzüchtung in Osterreich. Landwirtschaft 21/22:336-338. Nov.1952. 19 L235

16609 RUTTNER, F. Zur dyssymmetrie des flügelgeäders der honigbiene. Z. f. Bienenforsch. 1:219-224. Oct.1952. 424.8 Z3

16610 RUTTNER, F. Zur genetik der honigbiene (Apis mellifica): ihre probleme und möglichkeiten. Portugaliae Acta Biol. Sér. A 1949/51:231-257. Ref. 442.8 P83

16611 SACOMANDI, A. M. Trabajos de primavera en el apiario. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:353-356. 1951/52. 9 Ag874

16612 SANCHEZ UCEDA, J. Colmenas: su rendimiento; cuidados y modo de prevenir sus enfermedades. In Colegio Oficial de Veterinarios de Granada. Divulgaciones ganaderas, p.47-59. Granada,1951. 40 C672

16613 SCHAFER, U. Lehrzeit im Bieneninstitut Celle. Nordwestdeut. Imkerztg. 4:324-325. Oct.1952. 424.8 N753
Niedersächsische Landesinstitut für Bienenforschung.

16614 SCHESTAUBER, J. Der ablauf des bienenjahres—das ABC der erfolgreichen imkerei. Österr. Kleintierzüchter 17/18:145-146. (Cont.) Sept.1952. 49 Os7

16615 SCHNEIDER, R. Kartoffelkäferbekämpfung? Ja, aber keine bekämpfung der honigbiene. Hess. Biene 88:176-177. Oct.1952. 424.8 B476

16616 SCHRODER, W. Ein altes kunstwerk, vom standpunkt des imkers aus betrachtet. Arch. f. Bienenk. 29:11-12. 1952. 424.8 Ar2

16617 SCHUSSLER. Bienenschäden bei der maikäferbekämpfung. Deut. Bienenwirt. 3:167-174. Sept.1952. 424.8 D489

16618 SCHWAN, B. Artificial insemination of bees. (In Swedish.) Lantmannen 36:930-931. Nov.15,1952. 11 L234

16619 SMITH, E. G. The use of electricity in honey extracting and processing equipment. Agr. Gaz. N. S. Wales 63:482-484. Sept.1952. 23 N472

16620 STRANZL, F. The queen returns. Gleanings Bee Cult. 80:715,759. Dec.1952. 424.8 G47
Homing instinct of queens and drones.

16621 STRATTON, C. L. The ingenious beekeeper. Mod. Beekeeping 36:365-370,393. Nov.15,1952. 424.8 B397
Equipment.

16622 STRUTHERS, J. The Stewarton hive. Wiltshire Beekeepers' Mag. 82:2-3. Nov./Dec.1952. 424.8 W71

16623 TEGTMEIER, R. Trachtaussichten. Niedersächs. Bienenfr. 10:267. Oct.1952. 424.8 N552

16624 TOMSIK, B. Beekeeping on Czech Government estates and at the individual agricultural cooperatives. (In Czech.) Za Socialist. Zemédél. 2:539-546. May 1952. 19.5 Z1

16625 TURNER, C. G. A branch apiary or visits to private apiaries? Bee Craft 34:173-174. Nov.1952. 424.8 B3925

16626 TUSCHHOFF, O. Grösstmögliche ernte früher trachten mit dickwaben. Hess. Biene 88:169-172. Oct.1952. 424.8 B476

16627 TUSCHHOFF, O. Königinnenauswahl durch die bienen. Nordwestdeut. Imkerztg. 4:336-337. Oct. 1952. 424.8 N753

16628 VAGLIASINDI, P. A. The swarm and its control. (In Italian.) Apic. d'Italia 19:183-186. Sept.1952. 424.8 Ap372

16629 VOLGIN, P. P. Pchelovodstvo v kolkhozakh Karelo-Finskoi SSR [Beekeeping on the collective farms of Karelo-Finnish SSR]. Petrozavodsk,Gos. Izd-vo Karelo-Finskoĭ SSR,1951. 80 p. Ref. (Bibliotechka Kolkhoznika) 424 V88

16630 VOMSATTEL, M. Pollenversorgung im herbst. Schweiz. Bienen-Ztg. 75:400-401. Sept.1952. 424.8 Sch9

16631 VONK, H. Enlightenment on beekeeping and technical examples. (In Dutch.) Boer en Tuinder 6(296): 8. Oct.11,1952. 12 B632

16632 WEDMORE, E. B. Bee behaviour. II. Swarm control. Bee Craft 34:169. Nov.1952. 424.8 B3925

16633 WENKE. Pfingstlehrgang in Celle. Nordwestdeut. Imkerztg. 4:326-329. Oct.1952. 424.8 N753
Niedersächsische Landesinstitut für Bienenforschung.

16634 WILLSON, R. B. Beekeeping, the poetry of agriculture. Amer. Be J. 92:514-515. Dec.1952. 424.8 Am3
History.

16635 WILLSON, R. B. Beekeeping: the poetry of agriculture. Assoc. Food Distrib. Foods World 1:36-37. 1951. 389.9 As76
History.

16636 WILSON, C. A new kind of observation hive. Mod. Beekeeping 36:351. Oct.15,1952. 424.8 B397

16637 WINKEL, A. Acarine disease in Seeland [Switzerland] and Zeeland. (In Dutch.) Maandschr. v. Bijenteelt 54:139-142. Sept.1952. 424.9 V58

16638 WIRTH, E. D. Hiving the bees. Rur. New-Yorker 100:706,708. Nov.15,1952. 6 R88

16639 WOHLGEMUTH. 25 jahre bieneninstitut Celle. Nordwestdeut. Imkerztg. 4:319-322. Oct.1952. 424.8 N753
Niedersächsische Landesinstitut für Bienenforschung.

16640 WULFRATH, A., and SPEEK, J. J. De la colmena antigua al lucrativo negocio de la colmena moderna. Tierra [México] 7:445,469-471,549-553. July-Aug.1952. 8 T445

ARACHNIDA, MYRIAPODA, ETC.

16641 ALFIMOVA, A. V. New data on the biology o' the mange mite on swine (Acarus siro var. suis). (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18: 238-244. Ref. 1951. 41.9 K522

16642 ALFIMOVA, A. V. Study of morphological peculiarities of the mite of itching mange on swine (Acarus siro var. suis). (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:221-237. Ref. 1951. 41.9 K522

16643 APPLEGARTH, A. G. The anatomy of the cephalic region of a centipede Pseudolithobius megaloporus (Stuxberg) (Chilopoda). Microentomology 17:127-171. Ref. Nov.1,1952. 421 M58

16644 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE SANIDAD ANIMAL. DIRECCION DE CONTRALOR DE PRODUCTOS VETERINARIOS. Los productos antisárnicos a base de hexacloruro de benceno en las balneaciones de ovinos. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:223-224. 1951/52. 9 Ag874

16645 ASANUMA, K., and SEKIKAWA, K. Studies on the distinctive characters among the different sexes and stages within four genera of flour mite. (In Japanese.) (Abs.) Oyo-Kontyu 7:51-52. Aug.1951. 421 Oy6
Tyrophagus, Tyroglyphus, Carpoglyphus and Hoshikadania.

16646 ATTEMS, C. Ergebnisse der Osterreichischen Iran-Expedition 1949/50: Myriopoden vom Iran gesammelt von der Expedition Heinz Löffler und genossen 1949/50. Osterr. Akad. der Wiss. Math.-Natwiss. Kl. Sitzber. Abt. 1 160:387-426. 1951. 510 V67
Includes new species in Geophilus, Diporocyclus n.g., Lithobius, Brachydesmus, Strongylosoma, Alloiopus n.g., Iranopetalum n.g., Chromatoiulus, Atopocystus n.g., and Calyptophyllum.

16647 AUERBACH, S. I. Taxonomic notes on an exotic centipede [Lamyctinus coeculus] taken in Illinois (Chilopoda: Lithobiomorpha: Henicopidae). Ent. Soc. Amer. Ann. 45:413-414. Sept.1952. 420 En82

16648 BALD, J. G., and JEFFERSON, R. N. Injury to Gladioli associated with the root mite, Rhizoglyphus rhizophagus (Bks). Plant Dis. Rptr. 36:435-437. Nov.15, 1952. 1.9 P69P

16649 BONNET, P. Difficultés de nomenclature chez les Aranéides. III. Heteropoda venatoria ou regia? Soc. d'Hist. Nat. de Toulouse B. 86:113-121. May 30,1951. 505 T64

16650 CAMIN, J. H., and ROGOFF, W. M. Mites affecting domesticated mammals. S. Dak. Agr. Expt. Sta. Tech. B. 10,11 p. May 1952. 100 So82

16651 CARDWELL, I. Aerosol PCPBS [para-chlorphenyl benzene sulphonate] for red spider. Grower [London] 38:1142,1146. Dec.6,1952. 286.83 M34

16652 CHAMBERLIN, R. V., and WANG, Y. M. Some records and descriptions of chilopods from Japan and other Oriental areas. Biol. Soc. Wash. Proc. 65:177-186. Nov.5,1952. 500 W272
New species in Esastigmatobius, Chinobius, Arebius and Alaskobius.

16653 CHAMBERLIN, R. V. Two Oregon millipeds of the order Chordeumida. Nat. Hist. Misc. 113,3 p. Nov.3, 1952. 500 C43Na
New species in Caseya and Taiyutyla n.g.

16654 CHAPMAN, P. J., LIENK, S. E., and CURTIS, O. F., JR. Responses of apple trees to mite infestations. I. J. Econ. Ent. 45:815-821. Oct.1952. 421 J822

16655 DELHAYE, R. L'araignée rouge (Eotetranychus [i.e. Tetranychus] telarius) en serre à vignes. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.109-111. Hoeilaart,Gemeentehuis,1951. 95.09 In82

16656 FIEDLER, O. G. H., and DU TOIT, R. A note on the value of aldrin and dieldrin for the control of psoroptic scab in sheep. So. African Vet. Med. Assoc. J. 23:151-152. Sept.1952. 41.8 So8
Caused by Psoroptes equi ovis.

16657 FORSTER, R. R. Western Australia Opiliones. Roy. Soc. West. Austral. J. 36:23-29. June 30,1952. 514 P432
Includes Dingupa n.g.

16658 GREENBERG, B. A review of the new world Acomatacarus (Acarina, Trombiculidae). Ent. Soc. Amer. Ann. 45:473-491. Sept.1952. 420 En82

16659 HUMES, A. G., and HARRIS, S. K. The clam hosts of Najadicola ingens (K.) Acarina in a Quebec lake. Canad. Field-Nat. 66:83-84. May/June 1952. 410.9 Ot8

16660 IBARRA GRASSO, A. Una araña que conviene conocer: la "tarántula" Latrodectus mactans F. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:72-75. Ref. 1951/52. 9 Ag874

16661 KNUTSON, H. A community project for control of the American dog tick [Dermacentor variabilis]. J. Econ. Ent. 45:889-890. Oct.1952. 421 J822

16662 LANCASTER, J. L., JR. Striking at the source of tick infestation. Tex. Livestock J. 11(10):8. Oct.15, 1952. 49 T29
Spraying Arkansas cattle for control of Amblyomma americanum.

16663 LEVITT, V. Line fishing for moths. Austral. Mus. Mag. 10:361-365. Sept.15,1952. 475 Au7
Spiders.

16664 LIPOVSKY, L. J. A new genus [Speleocola] and species of chigger mite (Acarina, Trombiculidae). Kans. Ent. Soc. J. 25:132-137. Oct.1952. 420 K13

16665 LOPEZ ARANGUREN, J. La sarna de los bovinos es facil de combatir. Mundo Agr. 4(40):28. Sept.1952. 9 M92

16666 MACCAGNO-PAULUCCI, T. The tegumental glands in the land isopods. (In Italian.) Arch. Zool. Ital. 36:147-166. Ref. 1951. 410 Ar22
English summary.

16667 MACHADO, A. Myriapods of Portugal. (In Portuguese.) Brotéria 21:161-170. (Cont.) Ref. 1952. 410 B79C

16668 MANIS, H. C. Mite species versus miticides. Idaho State Hort. Soc. Trans. 1952:1-3. 81 Id12

16669 MANIS, H. C. Recent developments in the use of newer insecticides for orchard mite control. Idaho State Hort. Soc. Trans. 1951:8-11. 81 Id12

16670 MARCUS, E. DU B. R. On South American Malacopoda. São Paulo. U. Facul. de Fil. Ciên e Let. Dept. de Zool. Zool. 17:189-209. Ref. 1952. 410.9 Sa64
Includes new species in Oroperipatus and Orzeliscus n.g.

16671 MOORE, E. N. Lice and mites can be controlled. Broiler Growing 3(11):20,26,28. Nov.1952. 47.8 B782
On poultry.

16672 MUMA, M. H., and others. Control of sheep-ticks [Melophagus ovinus] on feeder lambs. J. Econ. Ent. 45:833-838. Ref. Oct.1952. 421 J822
R. E. Hill, E. Hixson, and L. Harris, joint authors.

16673 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Red-legged earth mites (Acarina). Agr. Gaz. N. S. Wales 63:490-491. Sept.1952. 23 N472

16674 PALIMPSESTOV, M. A., FORTUSHNYĬ, V. A., and GLADENKO, I. N. Study of ixodicidal properties of DDT and benzene hexachloride in relation to pasture ticks and experiments in protecting farm animals from tick infestations. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:166-185. Ref. 1951. 41.9 K522

16675 ROIVAINEN, H. Contributions to the knowledge of the eriophyids of Finland. Acta Ent. Fenn. 8, 72 p. Ref. 1951. 421 Ac8
Includes new species in Aceria, Eriophyes, Phytoptus, Vasates, Epitrimerus, Fragariocoptes n.g., Pentamerus n.g., Tetra, Callyntrotus, Anthocoptes and Rhyncaphytoptus.

16676 SCHENK, P. J. The red fruit disease of blackberries. (In Dutch.) Groenten en Fruit 7:255. Oct.11, 1951. 80 G89
Due to Eriophyes essigi.

16677 SUDD, J. H. Laboratory studies on adult female Bdellonyssus bacoti (Hirst, 1916) (Acarina, Parasitiformes). Ann. Trop. Med. & Parasitol. 46:158-164. Ref. Sept.1952. 448.9 L75A

16678 TANAKA, M., and HAYASHIDA, M. Studies on the factors occuring periodical outbreaks of citrus red mites (Paratetranychus [i.e. Metatetranychus] citri). (In Japanese.) Kyushu Noji Shikenjo 9:29-30. Mar.1952. 107.6 K996

16679 TRAGARDH, I. Contributions towards the comparative morphology and phylogeny of the Mesostigmata (Acarina). VIII. On the postembryonal development of the Celaenopsidae. Eos 1950(spec.no.):87-96. Ref. 421 Eo7

16680 TUNBLAD, B. Control of European red mite [Metatetranychus ulmi]. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1:12-14. Feb.1952. 464.9 Sw3V
On fruit.

16681 VERHOEFF, K. W. Chilopoden und Diplopoden. In Titschack, E. Beiträge zur fauna Perus, v.2,p.1-68. Jena,Fischer,1951. 411.3 T53
Includes new family Bacillidesmidae; new subfamilies Perustreptinae, Graphisterninae, Perustigminae and Andenophilinae; new genera Perustreptus, Andenostreptus, Phylacomerium, Phaneromerium, Graphisternum, Titschackia, Hylaiopus, Perusoma, Peruprion, Perusphaerium, Tomeosphaerium, Perucryptus, Perustigmus and Andenophilus; new subgenera and species in Gymnostreptus, Leptodesmus and Pycnotropis; new species in Rhinocricus, Ballophilus and Schizoribautia.

16682 VERHOEFF, K. W. Land-Isopoden. 75. Isopoden-aufsatz. In Titschack, E. Beiträge zur fauna Perus, v.2,p.69-76. Jena,Fischer,1951. 411.3 T53
Includes Andenoniscus n.g.

16683 WHITE, C. M. Ticks and disease. N. C. State Bd. Health. Health B. 67(10):3-5. Oct.1952. 449.7 N81B

16684 WOMERSLEY, H. Our largest South Australian spider [Selenocosmia stirlingi]. So. Austral. Nat. 26:38. July 1952. 410 So82

16685 WOUDENBERG, A. J. New methods of controlling spider mites [Tetranychus]. (In Dutch.) Fruitteelt 42:757-759. Oct.16,1952. 86 N28

16686 ZARIQUIEY ALVAREZ, R. Decapodos españoles. V. Galathea bolivari n. sp. Eos 1950(spec.no.) 311-314. 421 Eo7

COLEOPTERA

16687 AINO, S. On the phototropism of Anomala rufocuprea Motschulsky. (In Japanese.) (Abs.) Oyo-Kontyu 7:52-53. Aug.1951. 421 Oy6

16688 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE INVESTIGACIONES AGRICOLAS. INSTITUTO DE SANIDAD VEGETAL. Los bichos moros de la papa [Epicauta adspersa]. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:128. 1951/52. 9 Ag874

16689 BALTHASAR, V. Les espèces du genre Heptaulacus Muls. avec la description d'un nouveau genre [Renaudius] et d'une espèce nouvelle. Ceskoslov. Společnost. Ent. Časopis 48:145-154. 1951. 420 C33

16690 BALTHASAR, V. Scarabaeidae laparostictae (Col.). 68. Beitrag zur kenntnis der Scarabaeiden. In Titschack, E. Beiträge zur fauna Perus, v.2,p.322-344. Jena,Fischer,1951. 411.3 T53
Includes new species in Ataenius.

16691 BECHYNE, J. Nachträge zu den katalogen von Blackwelder und Junk-Schenkling der neotropischen echten Chrysomeliden. (Col. Phytophaga). Mus. G. Frey. Ent. Arb. 3:1-62. 1952. 420 M923
Includes new species in Planagetes, Stichotaenia, Dorysterna, Cryptostetha, Elytrosphaera, Deuterocampta, Stilodes, Pubistilodes n.g., Grammodesma, Desmogramma, Calligrapha and Zygospila.

16692 BEIER, M. Zur kenntnis der larve von Eubria palustris L. (Col. Dascillidae). Eos 1950(spec.no.):59-85. 421 Eo7

16693 BERNFUS, E. Die kornkäferbekämpfung in der brauerei mit Gelgy 33. Verssta. f. das Gärungsgewerbe. Mitt. 6:89-91. July/Aug.1952. 390.08 V67
Leptinotarsa decemlineata.

16694 BERNHAUER, M. Staphylinidae (Col.). 41. Beitrag zur südamerikanischen Staphylinidenfauna. In Titschack, E. Beiträge zur fauna Perus, v.2,p.267-282. Jena,Fischer,1951. 411.3 T53
Includes new species in Lispinus, Espeson, Thoracophorus, Phyllodrepa, Trogophloeus, Oxytelus, Holotrochus, Echiaster, Monista, Thinocharis, Philonthus, Heterothops, Myllaena, Atheta, Zyras and Aleochara.

16695 BOBB, M. L. The life history and control of the plum curculio [Conotrachelus nenuphar] in Virginia. Va. Agr. Expt. Sta. B. 453,30 p. Ref. May 1952. 100 V81S

16696 BORCHMANN, F. Meloidae, Lagriidae, Alleculidae und Nilionidae (Col.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.300-314. Jena,Fischer,1951. 411.3 T53
Includes new species in Epicauta, Pseudomeloe, Nemognatha, Allecula, Lobopoda, and Xystropus.

16697 BORG, Å. Rape weevil attacks in Västergötland. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 2:23-26. May 1952. 464.9 Sw3V
Ceutorhynchus quadridens and C. assimilis.

16698 BREUNING, S. Revision einiger gattungen aus der gruppe der Saperdini Muls. (Col. Cerambycidae). Mus. G. Frey. Ent. Arb. 3:107-213. 1952. 420 M923
Includes new genera Pareutetrapha, Paramenesia, Parastenostola; new species in Glenida, Paraglenea and Saperda.

16699 BROWN, W. J. Some species of Phytophaga (Coleoptera). Canad. Ent. 84:335-342. Ref. Nov.1952. 421 C16
Including new species in Chlamisus.

16700 CAMERON, M. Contribution à l'étude du peuplement de la Mauritanie Coleoptera, Staphylinidae. Inst. Franç. d'Afrique Noire. B. 14:822-826. July 1952. 515 D14
Includes new species in Bledius, Philonthus, and Myrmecopora.

16701 CARROLL, J. Eelworm and insect pests. IV. Beetles and beetle larvae. Agr. Ireland 9:255-256. Nov. 1952. 10.5 Ag8

16702 CARVALHO, E. L. DE. Contribution to a study of teratology in Coleoptera. (In Portuguese.) Soc. Portug. de Cien. Nat. B. (ser 2)3:152-157. 1951. 506 So1

16703 CARVALHO, E. L. DE. Notas coleopterológicas. IV. Soc. Portug. de Ciên. Nat. B. (ser.2)3:161-171. 1951. 506 So1
Includes new species in Airaphilus.

16704 CAZIER, M. A., and LACEY, L. The Cerambycidae of the Bahama Islands, British West Indies (Coleoptera). Amer. Mus. Novitates 1588,55 p. Ref. Oct.27,1952. 500 N483N
Includes new species in Derancistrus, Elaphidion, Anoplium, Anopliomorpha, Stizocera, Plectromerus, Neoclytus, Trichrous, and Heterops.

16705 COLE, T. V. Biological studies of the more important insects attacking potatoes in Manitoba. Ent. Soc. Manitoba. Proc. 7:8-10. Dec.1951. 420 En88
Leptinotarsa decemlineata, Epitrix cucumeris and Empoasca fabae.

16706 COOMBS, C. W., and WOODROFFE, G. E. Two species of Cryptophagus (Col., Cryptophagidae) new to Britain. Ent. Mon. Mag. 88:259-260. Nov.1952. 421 En86

16707 CRAWFORD, A. Control of grub and caterpillar in Canterbury sheep pastures. New Zeal. Farmer 73(16):3-4. Oct.9,1952. 23 N484

16708 DAHL, J. The musculature of the head and the mouth parts of the larva of Oryctes nasicornis. Ent. Meddel. 26:196-221. Ref. 1952. 421 En82

16709 DEXTER, R. W. Spread of the Japanese beetle [Popillia japonica] into Portage County, Ohio. Ohio J. Sci. 52:360-362. Nov.1952. 410 Oh3

16710 DOBSON, R. M. A new species of Carpophilus Stephens (Col., Nitidulidae) from Australia. Ent. Mon. Mag. 88:256-258. Nov.1952. 421 En86

16711 DOESBURG, P. H. VAN. Passalidae (Col.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.315-321. Jena,Fischer,1951. 411.3 T53

16712 DOLGOVA, A. E. Benzene hexachloride for control of larvae of the Marble cockchafer [Melolontha]. (In Russian.) Vinodel. i Vinograd. 4:45. Apr.1952. 95.8 V77

16713 DOSSE, G. Starkes schadauftreten von Ceuthorrhynchus picitarsis Gyll. an raps und rübsen in Württemberg. Deut. Gesell. f. Angew. Ent. Verhandl. 11: 95-102. 1949,pub.1951. 420 D48V

16714 DUFFY, E. A. J. Coleoptera, Cerambycidae. London,1952. 18 p. (Royal Entomological Society of London. Handbooks for the identification of British insects, v. 5, pt. 12) 422.4 R81

16715 EDWARDS, G. A., and PEREZ GONZALEZ, M. D. Relation of growth and environmental factors to respiration of broca do café, Hypothenemus [i.e. Stephanoderes] hampei (Ferrari). São Paulo. U. Facul. de Fil. Ciên. e Let. Dept. de Zool. Zool. 17:211-248. Ref. 1952. 410.9 Sa64

16716 ENGEL, H. Die bekämpfung des getreideplattkäfers Oryzaephilus surinamensis L. in wohnräumen. Anz. f. Schädlingsk. 25:152. Oct.1952. 421 An9

16717 ESPAÑOL COLL, F. Un nuevo Arthrodeis de la region del Draa: A. (Apentanes) bolivari n. sp. (Col. Tenebrionidae). Eos 1950(spec.no.):363-366. 421 Eo7

16718 FAGEL, G. Contribution a la connaissance des Staphylinidæ. X. Sur quelques Stilicus éthiopiens myrmécophiles. Inst. Roy. des Sci. Nat. de Belg. B. 28(6), 16 p. Jan.1952. 504 B835B
Includes new subgenus and new species.

16719 FAGEL, G. Contribution a la connaissance des Staphylinidæ. XI. Sur quelques Stilicus éthiopiens aptères. Inst. Roy. des Sci. Nat. de Belg. B. 28(9),7 p. Jan.1952. 504 B835B

16720 FAGEL, G. Contribution a la connaissance des Staphylinidæ. XII. Sur quelques Cephalostilicus nouveaux. Inst. Roy. des Sci. Nat. de Belg. B. 28(13),8 p. Jan.1952. 504 B835B
Subgenus of Stilicus.

16721 FAGEL, G. Contribution a la connaissance des Staphylinidæ. XIII. Notes sur quelques Parastilicus africains. Inst. Roy. des Sci. Nat. de Belg. B. 28(16),12 p. Feb.1952. 504 B835B
Subgenus of Stilicus.

16722 FILIPPONI, A. "Protomagalhâensia marottai" n. sp. (Gregarinidae) parasite of "Scaurus striatus." (In Italian.) Ist. Super. di Sanit. Rend. 15:465-475. 1952. 449.9 R66
English summary.

16723 FOLTÝN, J. American beetle [Melolontha melolontha]. (In Czech.) Za Socialist. Zeměděl. 2:697-704. June 1952. 19.5 Z1

16724 FRANCKE-GROSMANN, H. Uber kopulation, eiablage und gelbkörperbildung beim riesenbastkäfer Dendroctonus micans Kug. Deut. Gesell. f. Angew. Ent. Verhandl. 11:142-153. Ref. 1949,pub.1951. 420 D48V

16725 GOLDMAN, M. C. Ladybug, ladybug [Hippodamia convergens], don't fly away. Org. Gard. 20(12): 12-13,55-56. Dec.1952. 56.8 Or3
Biological control of insect pests.

16726 HADLINGTON, P. Forest insects and wood-destroying insects of New South Wales. VI. N. S. Wales. Forestry Comn. Div. Wood Technol. Tech. Notes 5(4):7-9. Dec.1951,pub.1952. 99.9 N472T
Coleoptera.

16727 HANSEN, V. New or rare Danish beetles, 1951. (In Danish.) Ent. Meddel. 26:278-279. 1952. 421 En82

16728 HAYAKAWA, H., and KUREHA, Y. Relation between the infestation of rice leaf beetle (Lema oryzae Kuwayama) and the reduction of rice yield. (In Japanese.) (Abs.) Oyo-Kontyu 7:76-77. Aug.1951. 421 Oy6

16729 HEQVIST, K. J. The pine cone weevil [Pissodes validirostris], a pest of pine cones. (In Swedish.) Skogen [Stockholm] 39:101*-102*. Sept.15,1952. 99.8 Sk51

16730 HERRSTROM, G. Relation between effect of BHC and vitality of Ceutorrhynchus assimilis Payk. Opusc. Ent. 17:113-116. 1952. 421 Op7

16731 HEYROVSKY, L. Notulae Cerambycidologicae I, (Col.). (In Czech.) Ceskoslov. Společnost. Ent. Časopis 48:154-157. 1951. 420 C33
French summary.
Dorcadion and Cerambyx.

16732 HOWE, R. W. Miscellaneous experiments with grain weevils. Ent. Mon. Mag. 88:252-255. Nov.1952. 421 En86
Calandra species.

16733 HRBÁČEK, J. Revue des espèces du genre Hydraena Kug. sur le territoire de la République Tchecoslovaque. (Col. Hydroph.). (In Czech.) Ceskoslov. Společnost. Ent. Časopis 48:201-226. Ref. 1951. 420 C33
French summary.
Includes a new species.

16734 ISHII, S., and URUSHIBARA, H. Studies on the host plant of cowpea weevil (Callosobruchus chinensis L.) XII. (In Japanese.) (Abs.) Oyo-Kontyu 7:59-60. Aug. 1951. 421 Oy6

16735 JAKOB, H. Drei neue subspecies der Melasoma populi L. aus Asien. (Chrys. Col.). Mus. G. Frey. Ent. Arb. 3:104-106. 1952. 420 M923

16736 JAKOB, H. Revision des subg. Protorina Wse. des gen. Chrysochloa Hope (Chrys. Col.). Mus. G. Frey. Ent. Arb. 3:96-103. 1952. 420 M923

16737 JEDLIČKA, A. Les Carabides nouveaux de l'Asie orientale. (Col.). Ceskoslov. Společnost. Ent. Časopis 48:108-116. 1951. 420 C33
In Bembidion, Sofota n.g., Formosiella n.g., and Lebia.

16738 JOLIVET, P. Contribution a l'étude des Coléoptères Chrysomeloidea de la région Indo-Australienne. 1. Inst. Roy. des Sci. Nat. de Belg. B. 27(52),7 p. Aug.1951. 504 B835B
Includes new species in Chrysolinoides n.g., Theopea and Simaethea.

16739 JOLIVET, P., and JOLIVET, Y. Contribution a l'étude des Coléoptères Chrysomeloidea de la région Indo-Australienne. 2. Inst. Roy. des Sci. Nat. de Belg. B. 28(5),7 p. Jan.1952. 504 B835B
Sagra species.

16740 JOLIVET, P. Un nouveau Stenoplatys Baly du Congo Belge (Col. Galerucidæ). Inst. Roy. des Sci. Nat. de Belg. B. 27(58),4 p. Sept.1951. 504 B835B

16741 JOLIVET, P., and THEODORIDES, J. Les parasites, phorétiques et prédateurs des Chrysomeloidea (Coleoptera). 3. Inst. Roy. des Sci. Nat. de Belg. B. 28(20),19 p. Ref. Feb.1952. 504 B835B

16742 JOLIVET, P. Quelques données sur la myrmécophilie des Clytrides (Col. Chrysomeloidea). Inst. Roy. des Sci. Nat. de Belg. B. 28(8),12 p. Ref. Jan.1952. 504 B835B

16743 JOLIVET, P. Variations géographiques chez deux espèces du genre Chrysolina Motschulsky (Coleoptera Chrysomelidæ). Inst. Roy. des Sci. Nat. de Belg. B. 27(51),7 p. Aug.1951. 504 B835B

16744 KASZAB, Z. Neue Epicautinen (Col., Meloidae) aus der orientalischen region. Mus G. Frey. Ent. Arb. 3:79-89. 1952. 420 M923
Includes Denierella, n.g.

16745 KASZAB, Z. Über Lydus susicus Esc. und die neuen arten der gattung Lyttolydulus Reit. (Col., Meloidae). Mus. G. Frey. Ent. Arb. 3:89-95. 1952. 420 M923
Lydus susicus a synonym of Lyttolydulus susicus.

16746 KITZLER, K. Die bekämpfung der engerlinge [Melolontha] und drahtwürmer [Elateridae]! Landwirtschaft 21/22:323-324. Nov.1952. 19 L235

16747 KLEINE, R. Lycidae (Col.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.288-294. Jena,Fischer, 1951. 411.3 T53
Includes new species in Mesopteron, Falsocaenia, Idiopteron, Metapteron, Emplectus, Celetes, Flabellolycinella n.g., Plateros and Lygistopterus.

16748 KNOWLTON, G. F., LIEBERMAN, F. V., and SNOW, S. J. Alfalfa weevil [Hypera postica]. Utah. State Agr. Col. Ext. B. 220,2 p. Mar.1951. 275.29 Ut1

16749 KNULL, J. N. New species of North American Buprestidae (Coleoptera). Ohio J. Sci. 52:349-352. Nov. 1952. 410 Oh3
New species in Acmaeodera, Melanophila, Chrysobothris, and Agrilus.

16750 KNULL, J. N. Two new species of North American Brachys (Coleoptera: Buprestidae). Ohio J. Sci. 52:358-359. Nov.1952. 410 Oh3

16751 KOCH, C. Die Tenebrioniden des südlichen Afrikas. XIII. Vorstudien zu einer monographie der Molurini, 3. Mus. G. Frey. Ent. Arb. 3:214-349. 1952. 420 M923
Includes new genera Synhimba, Namibomodes, Pterostichula; new species in Euphrynus, Psammodes, Tarsocnodes and Phanerotoma.

16752 KONIG, E. Das holzschädlings-lexikon der Norddeutschen holzwirtschaft. Norddeut. Holzwirt. 6(41): 3. Oct.3,1952. 99.82 N75
Hylecoetus and Lymexylon.

16753 KOYAMA, N. Studies on the feeding habits of the large 28-spotted lady beetle, Epilachna vigintioctomaculata Motschulsky. III. (In Japanese.) (Abs.) Oyo-Kontyu 7:65. Aug.1951. 421 Oy6

16754 KRYGER, J. P., and SONDERUP, H. P. S. Biological observations on two hundred species of Danish beetle larvae. III. (In Danish.) Ent. Meddel. 26:281-288. (Cont.) 1952. 421 En82

16755 KUDLA, M. Contribution à la connaissance de la biologie des Longicornes. (Col. Ceramb.). (In Czech.) Ceskoslov. Společnost. Ent. Časopis 48:227-229. 1951. 420 C33
French summary.
Plagionotus arcuatus and Strangalia revestita.

16756 KULZER, H. Sechster beitrag zur kenntnis der Tenebrioniden. Mus. G. Frey. Ent. Arb. 3:63-78. 1952. 420 M923
Revision of Platyholmus, including new species.

16757 KUWAYAMA, S., and NAKAMURA, K. Supplement to the knowledge of the chemical control of the rice leaf beetle (Lema oryzae Kuwayama). (In Japanese.) (Abs.) Oyo-Kontyu 7:85-86. Aug.1951. 421 Oy6

16758 LAST, H. R. Synonymic notes on species of the genus Atheta, subgenus Disopora (Col., Staphylinidae) with description of a new British species. Ent. Mon. Mag. 88:263-264. Nov.1952. 421 En86

16759 LEBEDEVA, L. Chemical control of May beetles. (In Russian.) Lesn. Khoz. 5(5):79-81. May 1952. 99.8 L5622
Airplane dusting of forests with DDT and benzene hexachloride.

16760 LEBEDEVA, L. I. Dust of DDT and BHC for control of May beetle larvae. (In Russian.) Les i Step' 4:79-81. Apr.1952. 99.8 L565
Melolontha melolontha.

16761 LE BERRE, J. R., and CHEVIN, H. Caractères de l'apparition et de l'entrée en activité du doryphore [Leptinotarsa decemlineata] dans le Cotentin en 1952. Acad. d'Agr. de France. Compt. Rend. 39:488-490. June 25/July 9,1952. 14 P215Bc

16762 LIEBKE, M. Carabidae truncatipennae (Col.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.215-266. Jena,Fischer,1951. 411.3 T53
Includes new species in Anchonoderus, Tetragonoderus, Lebia, Nematotarsus, Lia, Phaedrusium n.g., Coptodera, Calleida, Mimodromius, Pentagonica and Agra.

16763 MCKEOWN, K. C. Australian insects. XLVII. Coleoptera, 24. The Cleridae. Austral. Mus. Mag. 10: 368-371. Sept.15,1952. 475 Au7

16764 MANDL, K. Cicindelidae (Col.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.204-214. Jena, Fischer,1951. 411.3 T53

16765 MASSEY, C. L., CHISHOLM, R. D., and WYGANT, N. D. Ethylene dibromide for control of Black Hills beetle [Dendroctonus ponderosae]. J. Econ. Ent. 45: 861-862. Oct.1952. 421 J822

16766 MATHLEIN, R. The grain weevil [Sitophilus granarius] can become DDT resistant. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 2:27-28. May 1952. 464.9 Sw3V

16767 MOISEEV, A. E. Tuber weevils - predators of Siberian acacia [Caragana arborescens]. (In Russian.) Les i Step' 2:94-95. Feb.1952. 99.8 L565

16768 MONROS, F., and MONROS, M. M. DE. Las especies argentinas de Cupedidae (Coleoptera). Soc. Cient. Argentina. An. 154:19-41. Ref. July 1952. 516 So1
English summary.

16769 NAKAJIMA, S., and SHIMIZU, K. On the Spondylis buprestoides Linnaeus (Munemaru kurokamikiri). (In Japanese.) (Abs.) Oyo-Kontyu 7:61-62. Aug. 1951. 421 Oy6

16770 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Yellow monolepta beetle (Monolepta australis). Agr. Gaz. N. S. Wales 63:493. Sept.1952. 23 N472

16771 NIRULA, K. K., ANTONY, J., and MENON, K. P. V. Investigations on the pests of the coconut palm. The rhinoceros beetle (Oryctes rhinoceros L.). Indian Coconut J. 5:57-70. Ref. Jan./Mar.1952. 77.8 In2

16772 NOMURA, S. Neue valgiden-gattung aus Japan (Coleoptera: Scarabaeidae). Mushi 23:29-31. Apr.15, 1952. 421 M97
Yanovalgus n.g.

16773 ORCHYMOND, A. D'. Palpicornia (Col.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.295-299. Jena,Fischer,1951. 411.3 T53

16774 OTUKA, M. The effect of some insecticides on the respiration of adzuki bean weevil, Callosobruchus chinensis L. (In Japanese.) (Abs.) Oyo-Kontyu 7:51. Aug.1951. 421 Oy6

16775 PALM, T. Zwei für Schweden neue Philonthus-arten. (In Swedish.) Opusc. Ent. 17:117-123. 1952. 421 Op7
German summary.

16776 PARKIN, E. A. Symbiosis in Ptilinus pectinicornis L. Nature [London] 170:847. Nov.15,1952. 470 N21

16777 PESCHAUT. Zwei wichtige schädlinge der jungen Kanadapappelkulturen. Osterr. Forst- u. Holzwirt. 7:198. May 21,1952. 99.81 Os7
Chrysomela populi; Phyllobius glaucus.

16778 PILLERI, G. Morphological and systematic study of the genus Anisoplia Serv. (Col., Scarabaeidae). VI. Contribution to the female genitalia of the Anisoplia. (In Italian.) Eos 1950(spec.no.):415-423. 421 Eo7

16779 REGNIER, R. Recherches sur les hannetons; évolution de la population larvaire en fonction des cultures et du climat. Acad. d'Agr. de France. Compt. Rend. 39:448-453. June 25/July 9,1952. 14 P215Bc
Melolontha melolontha.

16780 REICH, H. Ein neuartiges schadbild des apfelblütenstechers (Anthonomus pomorum L.) Obstbauversring. Mitt. 7:146-148. July/Aug.1952. 85 J76

16781 REMEDI, A. L. El gusano alambre. Argentina Min. de Agr. y Ganad. Almanaque 26/27:149-150. 1951/52. 9 Ag874
Monocrepidius spp.

16782 RUMĬANTSEV, P. D., and RATANOVA, V. F. Effective cleaning of grain infested with meal worms. (In Russian.) Vsesoiuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Soobshch. i Ref. 3:6-8. 1951. 59.9 M85S

16783 SAKURAI, K. On the wireworms of the genus Agriotes Esch., (Col., Elateridae) in Hokkaido and Saghalien, with special reference to Agriotes obscurus Linné. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:108-112. Ref. Mar.1952. 107.6 H68
English summary.

16784 SEKIYA, I., and YANAGI, T. On the chemical control of Cleonus superciliosus Schonh. (In Japanese.) (Abs.) Oyo-Kontyu 7:86. Aug.1951. 421 Oy6

16785 SELANDER, R. B. New species of Meloidae from Utah (Coleoptera). Kans. Ent. Soc. J. 25:130-132. Oct.1952. 420 K13
In Zonitis and Epicauta.

16786 SMALLMAN, B. N., and LOSCHIAVO, S. R. Mill sanitation studies. I. Relative susceptibilities of mill stocks to infestation by the confused flour beetle [Tribolium confusum]. Cereal Chem. 29:431-440. Ref. Nov.1952. 59.8 C33

16787 SMETANA, A. Additio ad cognitionem faunae Coleopterorum montium Vysoké Tatry. (In Czech.) Ceskoslov. Společnost. Ent. Časopis 48:229-238. Ref. 1951. 420 C33
Latin summary.

16788 SMITH, S. G. The cytology of some tenebrionoid beetles (Coleoptera). J. Morph. 91:325-363. Ref. Sept.1952. 444.8 J826

16789 STRANEO, S. L. Osservazioni sul gen. Brachygnathus Perty (Coleoptera, Carabidæ).[Observations on the genus Brachygnathus Perty (Coleoptera, Carabidae)]. Inst. Roy. des Sci. Nat. de Belg. B. 27(56), 8 p. Aug.1951. 504 B835B

16790 STREHLER, B. L., and TOTTER, J. R. Firefly [Photinus pyralis] luminescence in the study of energy transfer mechanisms. I. Substrate and enzyme determination. Arch. Biochem. & Biophys. 40:28-41. Ref. Sept.1952. 381 Ar2

16791 SUWANAI, M., ISHII, I., and UEMURA, H. Studies on the behaviour of γ-BHC in the glass tube, by means of the vacuum tube spectrographic analysis and biological assay using cowpea weevil [Callosobruchus chinensis]. (In Japanese.) (Abs.) Oyo-Kontyu 7:81. Aug. 1951. 421 Oy6

16792 SUZUKI, R., YAMASAKI, T., and ISHII, T. The effects of some insecticides on the dehydrogenases of adzuki bean weevil, Callosobruchus chinensis L. (In Japanese.) (Abs.) Oyo-Kontyu 7:58. Aug.1951. 421 Oy6

16793 THÉODORIDÈS, J. Contribution à l'étude écologique des parasites et commensaux de Coléoptères. Soc. d'Hist. Nat. de Toulouse. B. 86:242-244. May 30, 1951. 505 T64

16794 THIEM, H. Uber erfahrungen bei der aufzucht von engerlingen. Deut. Gesell. f. Angew. Ent. Verhandl. 11:77-95. 1949,pub.1951. 420 D48V
Melolontha melolontha and M. hippocastani.

16795 TIELECKE, H. Biologie, epidemiologie und bekämpfung des rübenderbrüsslers (Bothynoderes punctiventris Germ.). Beitr. z. Ent. 2:256-315. Ref. July 1952. 421 B392

16796 TUNBLAD, B. A successful experiment in controlling click beetles [Agriotes]. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 2:29. May 1952. 464.9 Sw3V

16797 VAURIE, P. The checkered beetles of North Central Mexico (Coleoptera, Cleridae). Amer. Mus. Novitates 1597,37 p. Ref. Dec.9,1952. 500 N483N
Includes a new species in Enoclerus.

16798 VILLIERS, A., and CAMERON, M. Mission A. Villiers au Togo et au Dahomey (1950). XVI-XVII. Inst. Franç. d'Afrique Noire. B. 14:819-821,827-836. July 1952. 515 D14
XVI, Coléoptères, Erotylidae subfam. Languriinae, by A. Villiers; XVII, Coléoptères, Staphylinidae, by M. Cameron.
Includes a new species in Stenus.

16799 WENE, G. P., and WHITE, A. N. Control of migratory boll weevils [Anthonomus grandis]. Tex. Agr. Expt. Sta. Prog. Rpt. 1505,3 p. Nov.13,1952. 100 T31P

16800 WILLE, H., and MARTIGNONI, M. E. Vorläufige mitteilung über einen neuen krankheitstypus beim engerling von Melolontha vulgaris F. Schweiz. Z. f. Allg. Path. u. Bakt. 15:470-474. 1952. 448.8 Sch9

16801 WINKLER, J. Some notices on Middle-European Cleridae. (Col., Malacodermata.). (In Czech.) Ceskoslov. Společnost. Ent. Časopis 48:157-167. 1951. 420 C33
English summary.

16802 YAMAMOTO, I., and others. Studies on the effect of high frequency to the rice weevil in grains. I. (In Japanese.) (Abs.) Oyo-Kontyu 7:79-80. Aug.1951. 421 Oy6
F. Yamashita, R. Kawasaki, and N. Kawamoto, joint authors.

16803 YAMASAKI, T., and ISHII, T. The actions of BHC and rotenone on the heart of insect larva, Allomyrina dichotomus L. (In Japanese.) (Abs.) Oyo-Kontyu 7:58. Aug.1951. 421 Oy6

DIPTERA

16804 ALEKSEENKO, F. M. Experiment in using DDT at apiaries for extermination of flies, Senotainia tricuspis Meig. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:192-201. 1951. 41.9 K522

16805 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE SANIDAD VEGETAL. Las moscas de las frutas. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:363-365. 1951/52. 9 Ag874

16806 BARIGOZZI, C. A general survey on heterochromatin. Portugaliae Acta Biol. Sér. A 1949/51:593-620. Ref. 442.8 P83
Illustrative material largely from Drosophila melanogaster.

16807 BERDEN, S. Taxonomical notes on Psychodidae (Dipt. Nem.). I. Psychoda lativentris n. sp., a species hitherto confused with alternata Say. Opusc. Ent. 17:110-112. 1952. 421 Op7

16808 BEYER, F. Bekämpfung der narzissenfliege mit berührungsgift auf gamma-basis. Anz. f. Schädlingsk. 25:149-151. Oct.1952. 421 An9
Lampetia equestris and Eumerus strigatus.

16809 BUCK, J. B., KEISTER, M. L., and POSNER, I. Physiological effects of DDT on Phormia larvae. Ent. Soc. Amer. Ann. 45:369-384. Ref. Sept.1952. 420 En82

16810 BUXTORF, A. Die verwendung von insektiziden zur bekämpfung von Glossinen. Acta Trop. 9:216-232. Ref. 1952. 475 Ac8
English summary.

16811 CASTERLANAU, I. S. DE. Los enemigos naturales de los dípteros. Soc. Portug. de Ciên. Nat. B. (ser.2)3:129-142. Ref. 1951. 506 So1

16812 COLLIN, J. E. On the European species of the genus Odinia R.-D. (Diptera: Odiniidae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:110-116. Aug.15, 1952. 420 L84Pb
Includes new species.

16813 CORDEIRO, A. R. Drosophila (Hirtodrosophila) caxiensis, a new species of fungus-feeding fly from Brasil. Dusenia 3:303-308. July 31,1952. 410 D94

16814 DEFRETIN, R. Présence possible de polysaccharides au niveau des dictyosomes dans la glande salivaire de la larve de chironome. Soc. de Biol. Compt. Rend. 146:1118-1119. July 1952. 442.9 P21

16815 DEFRETIN, R. Sur la sécrétion salivaire de la larve de chironome et quelques réactions combinées des polysaccharides. Présence de phosphatase alcaline. Soc. de Biol. Compt. Rend. 146:1115-1117. July 1952. 442.9 P21

16816 EICHLER, W. Freilandmittelprüfungen in der zwiebelfliegenbekämpfung [Hylemya antiqua]. Deut. Gesell. f. Angew. Ent. Verhandl. 11:180-184. 1949,pub. 1951. 420 D48V

16817 EICHLER, W. Giess- und spritzverfahren als therapeutische massnahmen zur zwiebelfliegenbekämpfung durch kontaktinsektizide. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:167-171. Sept.1952. 464.9 N11
Hylemya antiqua.

16818 FLUKE, C. L. The Metasyrphus species of North America (Diptera, Syrphidae). Amer. Mus. Novitates 1590,27 p. Oct.28,1952. 500 N483N

16819 FOX, I. Light trap studies on Culicoides in Puerto Rico. J. Econ. Ent. 45:888-889. Oct.1952. 421 J822

16820 FOX, I. Six new neotropical species of Culicoides (Diptera: Ceratopogonidae). Ent. Soc. Amer. Ann. 45:364-368. Sept.1952. 420 En82

16821 FRICK, K. E. The status of Agromyza illinoensis Malloch, 1934, and its correct generic position (Agromyzidae, Diptera). Kans. Ent. Soc. J. 25:150-154. Oct.1952. 420 K13

16822 FURUTANI, Y., and KUKII, M. On the injury of soybean caused by Melanagromyza sp. I. Observations on the injury by this pest. (In Japanese.) Kyushu Noji Shikenjo 9:27-28. Mar.1952. 107.6 K996

16823 GEIGY, R., and HUBER, M. Untersuchungen über bau und funktion der stigmen bei verschiedenen Glossina-arten und bei Stomoxys calcitrans. Acta Trop. 9:233-263. 1952. 475 Ac8
English summary.

16824 GERSDORFF, W. A., MITLIN, N., and GERTLER, S. I. Preliminary tests with certain N-substituted piperonylamides for synergistic action in allethrin fly sprays. U. S. Bur. Ent. & Plant Quar. E-848, 6 p. Oct.1952. 1.9 En83

16825 GERSDORFF, W. A., and MITLIN, N. Relative toxicity of furethrin, its natural acid isomer, and pyrethrins to house flies. J. Econ. Ent. 45:849-850. Oct.1952. 421 J822

16826 GLADENKO, I. N., and FORTUSHNYI, V. A. Horse flies (Tabanidae) of the Lower Dnieper flood plains and measures for controlling them. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:186-191. Ref. 1951. 41.9 K522

16827 HARRISON, R. A. Tests with benzene hexachloride residues against houseflies. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:134-138. Sept.1952. 514 N48B

16828 HERING, E. M. Trypetidae (Dipt.). 32. Beitrag zur kenntnis der Trypetidae. In Titschack, E. Beiträge zur fauna Perus, v.2,p.117-171. Jena,Fischer,1951. 411.3 T53
Includes new species in Euribia, Stoneola n.g., Tomoplagia, Acinia, Lamproxyna, Trypanaresta, Paroxyna, Lamproxynella n.g. and Trypanea.

16829 HONDA, T. Tests of some insecticides to Myzus persicae Sulzer. (Preliminary report). (In Japanese.) (Abs.) Oyo-Kontyu 7:85. Aug.1951. 421 Oy6

16830 HOPKINS, C. A. Notes on the biology of certain Culicoides studied in the British Cameroons, West Africa, together with observations on their possible rôle as vectors of Acanthocheilonema perstans. Ann. Trop. Med. & Parasitol. 46:165-172. Ref. Sept.1952. 448.9 L75A

16831 HUITEMA, H. A possibility for biological control of lice flies [Hippobosca]. (In Dutch.) Hemera Zoa 58:443-453. Ref. Aug.1951. 41.8 V51
English summary.

16832 JAMES, M. T. The genera Epideicticus, Afrodontomyia, and Cyrtopus (Diptera, Stratiomyidae). Kans. Ent. Soc. J. 25:125-129. Oct.1952. 420 K13
Includes new species.

16833 JAMES, M. T., and STEYSKAL, G. C. A review of the Nearctic Stratiomyini (Diptera, Stratiomyidae). Ent. Soc. Amer. Ann. 45:385-412. Sept.1952. 420 En82
Includes new species in Stratiomys [i.e. Stratiomyia] and Labostigmina.

16834 JANSSENS, E. Contribution a l'étude des Diptères de l'Urundi. 1. Un nouveau genre de Diptère Asilide : Oxynoton n.g. Inst. Roy. des Sci. Nat. de Belg. B. 27(54),4 p. Aug.1951. 504 B835B

16835 KIDSON, A. L. Flies versus the dairyman. Dairyman 69:715-716. Dec.1952. 44.8 D1426

16836 KLESOV, M. D. Further study of the biology of nematodes of the genus Thelazia Bosc, 1819. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:144-165. 1951. 41.9 K522
Musca larviparva, M. autumnalis, and Morellia simplex as vectors of Thelazia rhodesi, eye parasite in cattle.

16837 KOIDSUMI, K. Are two tropical fruitflies (Chaetodacus cucurbitae Coq. & Cd. ferrugineus var. dorsalis Hendel) possible to distribute in the mainland of temperate Japan? (In Japanese.) (Abs.) Oyo-Kontyu 7: 66-67. Aug.1951. 421 Oy6

16838 KOLOMIETS, IU. S. Gadfly of the nasal passages in horses, Rhinoestrus purpureus Br. in Ukraine and measures for controlling it. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:202-220. Ref. 1951. 41.9 K522

16839 KONSTANTINOV, A. S. In regard to the biology and development of Chironomus [i.e. Tendipes] dorsalis Meig. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(1):40-43. Ref. 1952. 511 M85

16840 KOSTICH, D. Y. Golubac fly (Simulium columbaczensae) in Yugoslav Danubian region. Acta Trop. 9:264-269. 1952. 475 Ac8

16841 KROBER, O. Tabanidae, Therevidae und Conopidae (Dipt.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.184-194. Jena,Fischer,1951. 411.3 T53

16842 LENGERSDORF, F. Lycoriidae (Dipt.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.195-200. Jena,Fischer,1951. 411.3 T53
Includes new species in Neosciara.

16843 LIEBE, J. Ein spinner im wasser. Urania 15: 372-378. Oct.1952. 474 Ur1
Simulium.

16844 LINDNER, E. Stratiomyiiden (Dipt.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.172-183. Jena,Fischer,1951. 411.3 T53
Includes new species in Merosargus, Eulalia, Nemotelus and Aochletus.

16845 MAINX, F. Die bedeutung der chromosomenaberrationen in natürlichen populationen. Portugaliae Acta Biol. Sér. A 1949/51:563-592. Ref. 442.8 P83
Includes Drosophila.

16846 MARCH, R. B., METCALF, R. L., and LEWALLEN, L. L. Synergists for DDT against insecticide-resistant house flies. J. Econ. Ent. 45:851-860. Ref. Oct.1952. 421 J822

16847 MATTINGLY, P. F., and QUTUBUDDIN, M. The hitherto undescribed male of Armigeres (Armigeres) theobaldi Barraud (Diptera: Culicidae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:92-93. Aug.15,1952. 420 L84Pb

16848 MESNIL, L. P. Seconde note préliminaire sur les Tachinaires du Congo Belge. Inst. Roy. des Sci. Nat. de Belg. B. 28(2),15 p. (Cont.) Jan.1952. 504 B835B
Includes new species in Pandelleia, Linnaemyia, Chromatophania, Paratrixa, Synhypostena, Nemorilloides, Lomatacantha, Kiniatilia [i.e. Kiniatilla] and Prodegeeria.

16849 MOLINA, V. Braula coeca, the bee flea, or bee louse. (In Italian.) Apic. Mod. 44:242-244. Oct.1952. 424.8 Ap39

16850 NELSON, W. A. A note on the presence of first-stage larvae of Gasterophilus intestinalis (Degeer) (Diptera: Gasterophilidae) in the mouth of the horse. Canad. Ent. 84:356. Nov.1952. 421 C16

16851 NETTEL F., R. Oncocercosis, revisión del problema entomológico de la oncocercosis y plan para la erradicación de Simulium ochraceum Walker. Medicina 32:414-422,438-441,449-465,482-493,499-508. Ref. Sept.10-Nov.10,1952. 448.8 M4693

16852 NIBLETT, M. Retarded emergences in gall midges. Ent. Rec. & J. Variation 64:327-329. Nov.1952. 421 En89

16853 NISHIJIMA, Y. On the relation between damage of wheat and oviposition of the wheat stem maggot, Meromyza saltatrix (Linné). (In Japanese.) (Abs.) Oyo-Kontyu 7:61. Aug.1951. 421 Oy6

16854 OKAMOTO, D. On the relation between various culture methods of rice and the injury caused by rice stem maggot, Chlorops oryzae Munakata. (In Japanese.) (Abs.) Oyo-Kontyu 7:74-75. Aug.1951. 421 Oy6

16855 OLDROYD, H. A new Chrysops (Diptera, Tabanidae) from the British Cameroons. Ann. Trop. Med. & Parasitol. 46:155-157. Sept.1952. 448.9 L75A

16856 PAINTER, R. H., JONES, E. T., and HEYNE, E. G. Hessian fly [Phytophaga destructor] resistance of Ponca wheat. J. Econ. Ent. 45:778-783. Oct.1952. 421 J822

16857 PARMENTER, L. Notes on the Asilidae (robber flies). Ent. Rec. & J. Variation 64:295-299. (Cont.) Ref. Oct.1952. 421 En89

16858 PFADT, R. E. Seasonal development of cattle grubs in Wyoming. Kans. Ent. Soc. J. 25:137-143. Oct. 1952. 420 K13
Hypoderma.

16859 PICK, F. Sur la rencontre des larves du genre Lucilia sur la peau intacte d'un homme vêtu convenablement. Acta Trop. 9:277-278. 1952. 475 Ac8

16860 RAMACHANDRAN, S. Cyphocera varia Fabr., a tachinid parasite on Spodoptera mauritia Boisd. in South India. Indian J. Ent. 12:107-112. Ref. June 1950,pub. June 1951. 420 In23

16861 REES, B. E. The Hippelates fly or eye gnat in Fresno, California, and the feasibility of its control by present mosquito abatement methods. Calif. Mosquito Control Assoc. Proc. & Papers 20:85-87. 1952. 428 C763

16862 RICHARDS, O. W. Two new Austrian species of Leptocera Oliv. (Dipt.: Sphaeroceridae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:89-91. Aug.15, 1952. 420 L84Pb

16863 RINGDAHL, O. Catalogus insectorum Sueciae. XI. Diptera Cyclorrapha: Muscaria Schizometopa. Opusc. Ent. 17:129-186. 1952. 421 Op7

16864 RINGDAHL, O. Dipterologische notizen. 11-12. Opusc. Ent. 17:107-109. 1952. 421 Op7
11, Lasiops culminum Pok. und subrostratus Zett; 12, Eine neue Fannia-art aus den Alpen.

16865 ROAN, C. C. Tagging oriental fruit flies with radioactive phosphorus for field-movement studies. J. Econ. Ent. 45:826-828. Oct.1952. 421 J822

16866 ROSA, M. DE. Worm damage in cherries. (In Italian.) Gior. di Agr. 62:349. Nov.16,1952. 16 It1G
Rhagoletis cerasi.

16867 SACK, P. Syrphidae (Dipt.). In Titschack, E. Beiträge zur fauna Perus, v.2,p.93-116. Jena,Fischer, 1951. 411.3 T53
Includes new species in Allograpta, Toxomerus, Volucella, Temnocera, Phalacromyia, Eristalis, Dolichogyna, Tuberifera, Myiatropa, Mallota, Ceratophyia and Cerioides.

16868 SANDMANN, B. Beitrag zur abwehr der käsefliege [Piophila casei] Gesunde Pflanzen 4:271. Oct.1952. 464.8 G33

16869 SCHMITZ, H. Neue arten von Gymnophora und Megaselia aus U. S. A. (Diptera, Phoridae). Brotéria 21: 177-188. 1952. 410 B79C

16870 SCHMUTTERER, H. Plastophora rufa (Wood) (Dipt., Phoridae) als eiräuber und parasit von Eulecanium corni (Bché.) (Homopt., Coccoïdea). Anz. f. Schädlingsk. 25:145-148. Ref. Oct.1952. 421 An9

16871 SEGUY, E. Phoresie et role pathogene chez les insectes dipteres. Eos 1950(spec.no.):315-324. Ref. 421 Eo7

16872 SERRA, J. A. A cytophysiological theory of the gene, gene mutation and position effect. Portugaliae Acta Biol. Sér. A 1949/51:401-562. 442.8 P83
Illustrative material chiefly from Drosophila.

16873 SHIBATSUJI, T. Ecological investigations on the soy bean root miner, Ophiomyia sp. V. (In Japanese.) (Abs.) Oyo-Kontyu 7:73-74. Aug.1951. 421 Oy6

16874 SHIRAKI, T. Studies on the Syrphidae. 2. Some new species from Japan, with an interesting Trypetidae. Mushi 23:1-15. Apr.15,1952. 421 M97
New species in Endoiasimyia, Cynorrhina, Penthesilia, Brachypalpus, Eumerus, Narumyia n.g., and Euphranta.

16875 SILVA, G. A. DA, and OLIVEIRA, S. J. DE. On an "Agromyzidae" (Diptera) the larvae of which mine the leaves of the creeping dayflower, Commelina nudiflora. (In Portuguese.) Rev. Bras. de Biol. 12:293-299. Ref. Oct.1952. 442.8 R326
English summary.
Liriomyza commelinae (=Agromyza commelinae Frost).

16876 SLIPKA, J. Tipula (Schummelia) zonaria Goetgh., femina nova. (Dipt.—Nemat.). (In Czech.) Ceskoslov. Společnost. Ent. Časopis 48:119-121. 1951. 420 C33
French summary.

16877 SNYDER, F. M. New species of Pegomyia from Mexico (Diptera: Muscidae). Ent. Soc. Amer. Ann. 45:415-422. Sept.1952. 420 En82

16878 SPEAR, P. J. Fly control by chemical vaporizers. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:109-110. 1952. 307.9 C42

16879 STEINER, L. F. Fruit fly control in Hawaii with poison-bait sprays containing protein hydrolysates. J. Econ. Ent. 45:838-843. Oct.1952. 421 J822
Dacus dorsalis and Ceratitis capitata.

16880 STERN, C., and HANNAH, A. H. The sex combs in gynanders of Drosophila melanogaster. Portugaliae Acta Biol. Sér. A 1949/51:798-812. 442.8 P83

16881 SYLVEN, E. Cabbage midge [Contarinia nasturtii] attack on rape. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1:6-8. Feb.1952. 464.9 Sw3V

16882 SYLVÉN, E. Further experiences in the control of the siliqua gall midge [Dasyneura brassicae]. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 3:41-46. June 1952. 464.9 Sw3V

16883 TAMINO, G. Observations on the aerodynamic characteristics of Diptera and on the flight of insects. (In Italian.) Arch. Zool. Ital. 36:217-251. Ref. 1951. 410 Ar22
English summary.

16884 TAPIA, E. A. El gusano de la semilla [Hylemyia sp.]. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:256. 1951/52. 9 Ag874
Control.

16885 THEOWALD, B. The Dutch Tipulidae. I. (In Dutch.) Ent. Ber. 14:145-149. Oct.1,1952. 420 N38B

16886 THIEL, P. H. VAN. The transmission of toxoplasmosis and the rôle of Calliphora erythrocephala Meig. Acta Leidensia 21:168-175. 1950,pub.1951. 448.9 L59

16887 THIENEMANN, A. Bestimmungstabelle für die larven der mit Diamesa nächst verwandten Chironomiden. Beitr. z. Ent. 2:244-256. Ref. July 1952. 421 B392

16888 TINKHAM, E. R. The eye gnats of Coachella Valley with notes on the 1951 larvaciding program. Calif. Mosquito Control Assoc. Proc. & Papers 20:83-84. 1952. 428 C763
Hippelates species.

16889 TJEDER, B. A new Oxyrhiza (Dipt. Tipulidae). Opusc. Ent. 17:125-127. 1952. 421 Op7

16890 TURCEK, F. J. The larva of Oestromyia satyrus parasitic in the vole Microtus arvalis Pall. (Hypoderm. Dipt.). (In Czech.) Ceskoslov. Společnost. Ent. Časopis 48:240-241. 1951. 420 C33
English summary.

16891 VAILLANT, F. Les larves d'Hermione d'Algérie (Diptères Stratiomyiidae). Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:8-15. Jan./Mar.1952. 410.9 So125

16892 VARGAS, L., and DIAZ NAJERA, A. Nota sobre los simulidos de Mexico y su distribucion geografica (Diptera: Simuliidae). Mex. Inst. de Salubridad y Enferm. Trop. Rev. 12:89-100. Jan./Dec.1951. 449.9 M572

16893 VARGAS, L., and DIAZ NAJERA, A. Phlebotomus beltrani n. sp. y Phlebotomus wirthi n.sp. del Estado de Veracruz (Diptera: Psychodidae). Mex. Inst. de Salubridad y Enferm. Trop. Rev. 12:101-106. Jan./Dec.1951. 449.9 M572
English summary.

16894 VOMSATTEL, M. Die bienenlaus. Schweiz. Bienen-Ztg. 75:445-446. Oct.1952. 424.8 Sch9
Braula coeca.

16895 WEST, L. S. Recent advances in our knowledge of housefly biology. Chem. Spec. Mfr. Assoc. Off. Proc. Mid-Year Mtg. 38:97-101. Ref. 1952. 307.9 C42

16896 WILNED. Las larvas de una mosca: Hypoderma bovis, perjudican notablemente al ganado bovino. Mundo Agr. 4(40):58. Sept.1952. 9 M92

16897 WIRTH, W. W. The genus Alluaudomyia Kieffer in North America (Diptera, Heleidae). Ent. Soc. Amer. Ann. 45:423-434. Sept.1952. 420 En82

16898 WORDEN, A. N. The warble fly [Hypoderma] and other problems of hide improvement. Vet. Rec. 64: 720-721. Nov.8,1952. 41.8 V641

16899 YAMASHITA, Z. On the fauna of injurious insects in rice field of non-transplanting culture. II. On the variation of the occurrence time of rice leaf miner, Agromyza oryzae Munakata, in non-transplanting and transplanting field. (In Japanese.) (Abs.) Oyo-Kontyu 7: 75-76. Aug.1951. 421 Oy6

16900 YUASA, H., and KOYAMA, T. On the relation between resistance to rice stem maggot (Chlorops oryzae Matsumura) and resistance to other insect pests and diseases in rice plant. (In Japanese.) (Abs.) Oyo-Kontyu 7:79. Aug.1951. 421 Oy6

Culicidae

16901 AUGUSTON, G. F. Some observations on mosquitoes from irrigated cotton fields in Madera County, California. Calif. Mosquito Control Assoc. Proc. & Papers 20:89-90. 1952. 428 C763

16902 BARNES, J. S. Mosquito abatement and soil and water conservation. Calif. Mosquito Control Assoc. Proc. & Papers 20:70-71. 1952. 428 C763

16903 BORDAS, E., NAVARRO, L., and DOWNS, W. G.. Estudio comparativo de los habitos del adulto de tres especies de Anopheles mexicanos. Mex. Inst. de Salubridad y Enferm. Trop. Rev. 12:35-38. Jan./Dec. 1951. 449.9 M572

16904 BRADLEY, G. H. Public health policy in pest mosquito control. N. J. Dept. Health. Pub. Health News 33:323-325. Nov.1952. 449.7 N46P
With comments by J. Zemlansky.

16905 CALIFORNIA MOSQUITO CONTROL ASSOCIATION. Proceedings and papers of the twentieth annual conference at Fresno State College, Fresno, California, February 13, 14, 15, 1952. Berkeley,1952. 95 p. 428 C763

16906 CAMPBELL, E. San Francisco Bay marsh land. Calif. Mosquito Control Assoc. Proc. & Papers 20: 64-65. 1952. 428 C763
Reclamation for mosquito control.

16907 CARPENTER, S. J. Ecological observations on mosquitoes in Panama. Calif. Mosquito Control Assoc. Proc. & Papers 20:11-14. 1952. 428 C763

16908 CASTRO, M., and BESSANELLO, M. Revisión de las especies de "Taeniorhynchus (Rhynchotaenia)" (Dipt. Cul.). Rev. Bras. de Biol. 12:229-246. Ref. Oct.1952. 442.8 R326
English summary.

16909 CHOW, C. Y., LIANG, K. C., and PLETSCH, D. J. Observations on anopheline populations in human dwellings in southern Taiwan (Formosa). Indian J. Malariol. 5:569-577. Dec.1951. 448.8 In24

16910 DEWITT, R. H. Source reduction in the Kern Mosquito Abatement District with emphasis on public relations. Calif. Mosquito Control Assoc. Proc. & Papers 20:63. 1952. 428 C763

16911 DOWNS, W. G., and ARIZMENDI, A. Colonizacion de varias especies de anofelinos mexicanos. Mex. Inst. de Salubridad y Enferm. Trop. Rev. 12:21-26. Jan./Dec.1951. 449.9 M572

16912 FLOCH, H., and ABONNENC, E. Anopheles de la Guyane française. Inst. Pasteur de la Guyane et du Ter. de l'Inini. P. 236,91 p. Aug.1951. 448.9 In77

16913 FOOTE, R. H. The larval morphology and chaetotaxy of the Culex subgenus Melanoconion (Diptera, Culicidae). Ent. Soc. Amer. Ann. 45:445-472. Ref. Sept. 1952. 420 En82

16914 GJULLIN, C. M., and PETERS, R. F. Abstract of recent studies of mosquito resistance to insecticides in California. Calif. Mosquito Control Assoc. Proc. & Papers 20:44-45. 1952. 428 C763

16915 GRAY, H. F. Historical highlights of "permanent" mosquito control in California. Calif. Mosquito Control Assoc. Proc. & Papers 20:61-62. 1952. 428 C763

16916 HAMMON, W. M., REEVES, W. C., and SATHER, G. California encephalitis virus, a newly described agent. II-III. J. Immunol. 69:493-514. Ref. Nov. 1952. 448.8 J8232
II. Isolation and attempts to identify and characterize the agent, by W. D. Hammon, W. C. Reeves, and G. Sather; III. Mosquito infection and transmission, by W. C. Reeves and W. M. Hammon.

16917 HANSEN, C. A. CDC participation in California's water resources program. Calif. Mosquito Control Assoc. Proc. & Papers 20:6-7. 1952. 428 C763
Communicable Disease Center.

16918 HORSFALL, W. R., and MORRIS, A. P. Surface conditions limiting larval sites of certain marsh mosquitoes. Ent. Soc. Amer. Ann. 45:492-498. Sept.1952. 420 En82

16919 HOSKINS, W. M. The use of insecticides in mosquito control, history of insecticide use. Calif. Mosquito Control Assoc. Proc. & Papers 20:45-46. 1952. 428 C763

16920 HUSBANDS, R. C., and ROSAY, B. A cooperative ecological study of mosquitoes of irrigated pastures. Calif. Mosquito Control Assoc. Proc. & Papers 20:17-26. 1952. 428 C763

16921 ISAAK, L. W. Progress report. CMCA operational investigations project insecticide investigations. Calif. Mosquito Control Assoc. Proc. & Papers 20:31-36. 1952. 428 C763
Culex insecticide resistance.

16922 JASWANT SINGH, and others. A fungus (Chytridinæ sp.?) resembling plasmodial sporozoites in the salivary glands of A. annularis van der Wulp, 1884. Indian J. Malariol. 5:527-530. Dec.1951. 448.8 In24
S. P. Ramakrishnan, Satya Prakash, A. K. Krishnaswami, A. P. Ray, K. S. Krishnan, and A. David, joint authors.

16923 JASWANT SINGH, and BADRI NATH MOHAN. Studies on nocturnal activities of A. fluviatilis James, 1902. Indian J. Malariol. 5:513-525. Dec.1951. 448.8 In24

16924 JONES, G., and ARNOLD, J. R. Report of the studies made at the College of the Pacific on embryological development of Aedes nigromaculis (Ludlow) and other flood water mosquitoes. Calif. Mosquito Control Assoc. Proc. & Papers 20:36-38. 1952. 428 C763

16925 JONES, G. P. Mosquito source reduction in the Marin County Mosquito Abatement District. Calif. Mosquito Control Assoc. Proc. & Papers 20:65-66. 1952. 428 C763
Drainage.

16926 KIMBALL, J. H. Minimization of industrial sources of mosquitoes in Orange County. Calif. Mosquito Control Assoc. Proc. & Papers 20:66-67. 1952. 428 C763

16927 KRUSE, C. W., HAWKINS, W. B., and LUDVIK, G. F. Resistance of Anopheles quadrimaculatus to DDT in the Tennessee Valley. J. Econ. Ent. 45:810-814. Oct. 1952. 421 J822

16928 LEMMON, A. B. Agricultural pest control law amendments' effect on mosquito control. Calif. Mosquito Control Assoc. Proc. & Papers 20:52-53. 1952. 428 C763

16929 MACDONALD, G. The analysis of equilibrium in malaria. Trop. Dis. B. 49:813-829. Ref. Sept.1952. 448.8 T752
Includes mosquitoes as vectors.

16930 MCDUFFIE, W. C., and KELLER, J. C. The present status of research and control of mosquitoes in Florida. Calif. Mosquito Control Assoc. Proc. & Papers 20:53-55. 1952. 428 C763

16931 MACLEOD, G. F. Agriculture and mosquito control. Calif. Mosquito Control Assoc. Proc. & Papers 20:10-11. 1952. 428 C763

16932 MATTINGLY, P. F. The sub-genus Stegomyia (Diptera: Culicidae) in the Ethiopian Region. I. Brit. Mus. (Nat. Hist.) B. Ent. 2:235-304. Ref. Apr.1952. 420 B773

16933 METCALF, R. L. Emulsification as applied to mosquito control. Calif. Mosquito Control Assoc. Proc. & Papers 20:57-59. 1952. 428 C763

16934 MEZGER, E. G., and others. Salt marsh field study for toxicity comparison of Diesel oil, Diesel oil-DDT concentrate, and DDT-water emulsion on Aedes dorsalis (Meig.) larvae. Calif. Mosquito Control Assoc. Proc. & Papers 20:59-60. 1952. 428 C763
T. Aarons, H. F. Gray, and K. Onishi, joint authors.

16935 MUIRHEAD-THOMSON, R. C., and MERCIER, E. C. Factors in malaria transmission by Anopheles albimanus in Jamaica. I. Ann. Trop. Med. & Parasitol. 46:103-116. Sept.1952. 448.9 L75A

16936 MURRAY, W. D. Private sewage disposal corrections in Delta Mosquito Abatement District. Calif. Mosquito Control Assoc. Proc. & Papers 20:67-68. 1952. 428 C763

16937 MYERS, L. E., JR. The relationship of agricultural drainage to mosquito control. Calif. Mosquito Control Assoc. Proc. & Papers 20:75-76. 1952. 428 C763

16938 OLIFAN, V. I. Changes in the Malpighian vessels of the malaria mosquito [Anopheles maculipennis] during its post-embryonic development. (In Russian.) Akad. Nauk SSSR. Dok. 86:169-172. Ref. Sept.1,1952. 511 P444A

16939 OPERATION Culex tarsalis. Calif. Health 10: 33-36. Sept.15,1952. 449.8 C12

16940 PETERS, R. F. The scope of California mosquito control. Calif. Mosquito Control Assoc. Proc. & Papers 20:7-10. 1952. 428 C763

16941 PORTMAN, R. F., and WILLIAMS, A. H. The control of Aedes dorsalis and other aquatic pests in rice fields. Calif. Mosquito Control Assoc. Proc. & Papers 20:88-89. 1952. 428 C763

16942 POSZ, H. M. Bureau of Reclamation cooperation with the State Department of Public Health in mosquito control. Calif. Mosquito Control Assoc. Proc. & Papers 20:68-69. 1952. 428 C763

16943 RAJINDAR PAL, and others. Laboratory and field studies on the residual toxicity of chlordan, aldrin and dieldrin against mosquitoes. Indian J. Malariol. 5: 559-568. Ref. Dec.1951. 448.8 In24
M. I. D. Sharma, B. S. Krishnamurthy, and S. P. Kashyap, joint authors.

16944 REES, B. E., and OVERBY, R. H. Mosquito abatement techniques employed in urban areas. Calif. Mosquito Control Assoc. Proc. & Papers 20:92-95. 1952. 428 C763

16945 REES, D. M. More effective mosquito control through the American Association. Calif. Mosquito Control Assoc. Proc. & Papers 20:4-6. 1952. 428 C763

16946 SENIOR WHITE, R. A. Studies on the bionomics of Anopheles aquasalis Curry, 1932. II. Indian J. Malariol. 5:465-511. Ref. Dec.1951. 448.8 In24

16947 SMITH, C. N., and others. Mosquito-repellent mixtures. J. Econ. Ent. 45:805-809. Oct.1952. 421 J822
M. M. Cole, G. W. Lloyd, and A. Selhime, joint authors.

16948 SMITH, E. A. Drainage for mosquito source reduction. Calif. Mosquito Control Assoc. Proc. & Papers 20:62-63. 1952. 428 C763

16949 SMITH, G. F. Aedes flight studies, 1951. Calif. Mosquito Control Assoc. Proc. & Papers 20:26-30. 1952. 428 C763

16950 SRIVASTAVA, R. S., and DIWAN CHAND. Control of malaria in Sarda Hydel power-house construction. Indian J. Malariol. 5:579-594. Dec.1951. 448.8 In24

16951 THIEL, P. H. VAN, and WINOTO, R. M. P. Summary report on the control of highly endemic malaria, carried by Anopheles sundaicus, by means of DDT house spraying, in a village of Java (Indonesia). Acta Leidensia 21:190-192. 1950,pub.1951. 448.9 L59

16952 U. S. GEOLOGICAL SURVEY. Water-level fluctuations in limestone sinks in southwestern Georgia. With particular reference to breeding places of Anopheles quadrimaculatus Say. U. S. Geol. Survey Water-Supply Paper 1110-E,246 p. 1952. 407 G29W
U. S. Public Health Service cooperating.

16953 VARGAS, L. Las especies de Psorophora (Diptera: Culicidae). Psorophora (Janthinosoma) fiebrigi Edwards, 1922. Mex. Inst. de Salubridad y Enferm. Trop. Rev. 12:53-58. Jan./Dec.1951. 449.9 M572

16954 VENEZUELA. MINISTERIO DE SANIDAD Y ASISTENCIA SOCIAL. DIV. DE MALARIOLOGÍA. VIII curso internacional de malaria y otras enfermedades metaxenicas. Maracay,Aragua,1951. 3 v. 448 V552
Vol. I includes Anopheles.

16955 WARE, S. J. Future scope of agency participation in the vector control program in California. Calif. Mosquito Control Assoc. Proc. & Papers 20:69-70. 1952. 428 C763

16956 WEATHERSBY, A. B. The role of the stomach wall in the exogenous development of Plasmodium gallinaceum as studied by means of haemocoel injections of susceptible and refractory mosquitoes. J. Infect. Dis. 91: 198-205. Sept./Oct.1952. 448.8 J821

16957 WILLIS, E. R., and ROTH, L. M. Reactions of Aedes aegypti (L.) to carbon dioxide. J. Expt. Zool. 121: 149-179. Ref. Oct.1952. 410 J825

16958 WINTON, G. H., JR. Drainage and improvement districts. Calif. Mosquito Control Assoc. Proc. & Papers 20:76-78. 1952. 428 C763
Includes discussion.

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

16959 BARTLETT, B. R., and ORTEGA, J. C. Relation between natural enemies and DDT-induced increases in frosted scale [Lecanium pruinosum] and other pests of walnuts. J. Econ. Ent. 45:783-785. Oct.1952. 421 J822

16960 BEIRNE, B. P. Canadian species of Orocastus and Auridius (Homoptera: Cicadellidae). Canad. Ent. 84: 352-355. Nov.1952. 421 C16
Includes new species.

16961 BEIRNE, B. P. A new species of Scaphytopius (Cloanthanus), with a key to the Canadian species (Homoptera: Cicadellidae). Canad. Ent. 84:311-313. Oct.1952. 421 C16

16962 BENNETT, C. W. Vein clearing on sugar beet induced by the beet leafhopper [Circulifer tenellus]. Phytopathology 42:535-537. Oct.1952. 464.8 P56

16963 BLOTE, H. C. On some Oncomerini from New Guinea (Heteroptera, Pentatomidae). Rmus. van Nat. Hist. Zool. Meded. 31:251-257. July 16,1952. 410.9 L59
Lyramorpha and Agapophyta, including new species.

16964 CARVALHO, J. C. M., and LESTON, D. The classification of the British Miridae (Hem.), with keys to the genera. Ent. Mon. Mag. 88:241-251. (Concl.) Ref. Nov.1952. 421 En86

16965 CARVALHO, J. C. M. Neotropical Miridae. LVI. Description of three new genera and five new species from Brazil and British Honduras (Hemiptera). Rev. Bras. de Biol. 12:265-272. Oct.1952. 442.8 R326
New genera Kamaiurana, Amazonocoris and Cylapoides.

16966 CARVALHO, J. C. M. A new species of Trigonotylus Fieber, 1858, from Hawaii (Hemiptera, Miridae). Mus. Nac. B. Nova Sér. Zool. 111,3 p. July 3, 1952. 516 R47Bz

16967 CHANDLER, S. C. Life history and control of pecan spittlebug [Clastoptera achatina] in Illinois. J. Econ. Ent. 45:890. Oct.1952. 421 J822

16968 CUMBER, R. A. Studies on Oliarus atkinsoni Myers (Hem. Cixiidae), vector of the "yellow-leaf" disease of Phormium tenax Forst. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:92-98. Sept.1952. 514 N48B

16969 DITMAN, L. P., and BURKHARDT, G. Further experiments on pea aphid [Macrosiphum pisi] control. J. Econ. Ent. 45:880-881. Oct.1952. 421 J822

16970 DONCASTER, J. P., and STROYAN, H. L. G. A new subgenus and new species of aphid from Jan Mayen Island. Ann. & Mag. Nat. Hist. (ser.12)5:984-987. Nov.1952. 410 An77
In Kakimia.

16971 FENNAH, R. G. On the generic classification of Derbidae (Fulgoroidea), with descriptions of new neotropical species. Roy. Ent. Soc. London. Trans. 103:109-170. Ref. June 27,1952. 420 L84
Includes new genera Cenanges, Oropuna, Anchimothon, Goneokarella, Cobacella and Platocerella; new sub genera in Persis and Heronax; new species in Peggia, Mula, Derbe, Dysimia, Cenchrea, Omolicna, Neocenchrea, Cedusa, Patara, Otiocerus, Anotia, Sayiana and Iquitos.

16972 FLANDERS, S. E. A method for transferring infestations of purple scale [Lepidosaphes beckii]. J. Econ. Ent. 45:891. Oct.1952. 421 J822

16973 FRASER, L. R. A disease of a scale insect. Austral. Plant Dis. Recorder 4:39. July 1952. 464.8 Au7
Harpagraphium corynelioides on Calicoccus [i.e. Callococcus] leptospermi.

16974 FREITAG, J. H., FRAZIER, N. W., and FLOCK, R. A. Six new leafhopper vectors of Pierce's disease virus. Phytopathology 42:533-534. Ref. Oct.1952. 464.8 P56

16975 GEERING, Q. A. A cotton stainer (Dysdercus superstitiosus Fabr.) as a potential pest of sorghum. Empire J. Expt. Agr. 20:234-239. Ref. July 1952. 10 Em7

16976 GEIGY, R., and KRAUS, C. Rüssel und stechakt von Rhodnius prolixus. Acta Trop. 9:272-276. 1952. 475 Ac8

16977 GERHARDT, P. D., LINDGREN, D. L. Dictyospermum scale [Chrysomphalus dictyospermi] in California. J. Econ. Ent. 45:874-877. Ref. Oct.1952. 421 J822

16978 HESLOP-HARRISON, G. The genus Rhinocola Förster and associated genera of the Aphalarinae. I. Ann. & Mag. Nat. Hist. (ser.12)5:957-974. Nov.1952. 410 An77

16979 HOLDAWAY, F. G. The leafhopper [Empoasca fabae] problem in an alfalfa improvement program. Alfalfa Impr. Conf. Rpt. 13:37-41. 1952. 60.9 AL2

16980 HOPKINS, L., and GYRISCO, G. G. Tests on pea aphid [Macrosiphum pisi] control in alfalfa and residues from various formulations at harvest. J. Econ. Ent. 45:821-825. Oct.1952. 421 J822

16981 ISHIHARA, T., and MATSUO, I. Influence of the different varieties and various sowing seasons of the kidney bean on the damages caused by some bugs (Hemiptera). (In Japanese.) (Abs.) Oyo-Kontyu 7:62-63. Aug. 1951. 421 Oy6

16982 JACOBI, A. Die singzikaden. In Titschack, E. Beiträge zur fauna Perus, v.2,p.89-92. Jena,Fischer, 1951. 411.3 T53

16983 KATO, M. Analysis of the rice-leafhopper association in Kyushu District. (In Japanese.) (Abs.) Oyo-Kontyu 7:64-65. Aug.1951. 421 Oy6

16984 KNOWLTON, G. F., LIEBERMAN, F. V., and SORENSON, C. J. Lygus bug control for alfalfa seed production. Utah. State Agr. Col. Ext. B. 221,2 p. Mar. 1951. 275.29 Ut1

16985 KNOWLTON, G. F., and LIEBERMAN, F. V. Controlling pea aphid [Macrosiphum pisi] on alfalfa in Utah. Utah. State Agr. Col. Ext. C. 153,2 p. Apr.1952. 275.29 Ut1

16986 KNOWLTON, G. F. Controlling the squash bug [Anasa tristis]. Utah. State Agr. Col. Ext. C. 164, 2 p. Apr.1952. 275.29 Ut1

16987 LAL, R. Further notes on the life-history of Empoasca kerri var. motti Pruthi and on the nature and extent of injury to potato foliage. Indian J. Ent. 12:31-37. Ref. June 1950,pub.June 1951. 420 In23

16988 LALLEMAND, V., and SYNAVE, H. Contribution a l'étude des Hémiptères - Homopteres. I. Inst. Roy. des Sci. Nat. de Belg. B. 28(7),28 p. Jan.1952. 504 B835B

Includes appendix Corrigenda et addenda: Révision des Cercopinæ. I, par V. Lallemand.

Includes new genera Machadoa and Sphenoclypeana; new species in Clovia and Dictyophora.

16989 LAMBERS, D. H. R. The aphid fauna of Greenland. Meddel. om Grønland 136(1),33 p. 1952. 502 C792

Includes new species in Acyrthosiphon, Sitomyzus n.g., Myzus, Cavariella, Paducia, Pterocomma, Calaphis, Betulaphis, Thripsaphis, and Pemphigus.

16990 LLOYD, D. C. Parthenogenesis in the mealybug, Phenacoccus solani Ferris. Canad. Ent. 84:308-310. Ref. Oct.1952. 421 C16

16991 MAILLET, P. Sur la possibilité de transmission de virus par le Phylloxéra de la vigne. Acad. des Sci. Compt. Rend. 235:907-908. Oct.20,1952. 505 P21

16992 MAY, A. W. S. The grape scale [Eulecanium persicae]. Queensland Agr. J. 75:105-107. Aug.1952. 23 Q33

16993 MENOR ORTEGA, J. G. Algunas especies nuevas de afidos (Homoptera, Aphidae). Eos 1950(spec. no.):97-118. Ref. 421 Eo7

In Dasia n.g., Brachyunguis, Brachycolus, Rhopalosiphoninus and Myzaphis.

16994 MILLER, P. W. Relation of temperature to persistence of strawberry yellows virus complex in the strawberry aphid [Capitophorus fragaefolii]. (Abs.) Phytopathology 42:517. Sept.1952. 464.8 P56

16995 MINATTA, M. J. Cochinilla roja australiana; la oportunidad de los tratamientos. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:285-286. 1951/52. 9 Ag874

16996 MIYAKE, T., and HUZIWARA, A. Studies on the appearance of macropterous form (long winged form) in brown leaf hopper (Nilaparvata lugens Stal). (Preliminary report). (In Japanese.) (Abs.) Oyo-Kontyu 7:76. Aug.1951. 421 Oy6

16997 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Citrus aphids (Toxoptera aurantii and Aphis citricidus). Agr. Gaz. N. S. Wales 63:491-492. Sept.1952. 23 N472

16998 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Mealy-bugs (Pseudococcinae). N. S. Wales. Dept. Agr. Insect Pest L. 71,3 p. 1952. 423.92 N47

16999 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Plant bugs (Hemiptera). N. S. Wales. Dept. Agr. Insect Pest L. 79,3 p. 1952. 423.92 N47

17000 OKADA, T. Note on the biological strain of Heterodera marioni (Cornu). (Preliminary report). (In Japanese.) (Abs.) Oyo-Kontyu 7:83-84. Aug.1951. 421 Oy6

17001 OLALQUIAGA FAURE, G. El pulgon de los pinos en Chile. Rev. Forest. Chilena 2:91-92. Aug.1952. 99.8 R3292

17002 OSSIANNILSSON, F. Catalogus insectorum Sueciae. XII. Hemiptera Homoptera Psylloidea. Opusc. Ent. 17:193-200. 1952. 421 Op7

17003 OSSIANNILSSON, F. Synonymy of the Swedish pear psylla. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 2:29-30. May 1952. 464.9 Sw3V

17004 PELLEGRINO, J. Notes on the resistance of "Triatoma infestans" to fasting. (In Portuguese.) Rev. Bras. de Biol. 12:317-320. Oct.1952. 442.8 R326

English summary.

17005 PORTER, T. W. A new species [Hebrus piercei] of Hebridae (Hemiptera) from the Southwest. Kans. Ent. Soc. J. 25:147-149. Oct.1952. 420 K13

17006 PRESEREN, T. An enemy of fruit trees which is here still little known. (In Slovenian.) Sadjarstvo Vinarstvo Vrtnarstvo 4:103-105. Apr.1952. 21.5 Sa1

Ceresa bubalus.

17007 PUTTARUDRAIAH, M. Blister disease "Kajji" of guava fruits (Psidium guava). Mysore Agr. J. 28:8-13. Ref. Jan./June.1952. 22 M993

Caused by Helopeltis antonii.

17008 RAO, V. P. Iceryine scale insects recorded from the Orient. Indian J. Ent. 12:39-66. (Cont.) Ref. June 1950,pub.June 1951. 420 In23

Includes new species in Icerya.

17009 RUCKES, H. Some scutelleroid Hemiptera of the Bahama Islands, British West Indies. Amer. Mus. Novitates 1591,9 p. Oct.28,1952. 500 N483N

Includes a new species in Aethus.

17010 RUPPEL, R. F., and DELONG, D. M. Studies of the genus Kunzeana. III. New species of Mexican Kunzeana. Ohio J. Sci. 52:353-357. Nov.1952. 410 Oh3

17011 SHIBATA, B. Ecological study of aphids. 5. (In Japanese.) (Abs.) Oyo-Kontyu 7:66. Aug.1951. 421 Oy6

17012 SILVESTRI, F. Ceroplastes (or scale) of the fig. (In Italian.) Frutticolt. Campana 2(9):3. Sept.25, 1952. 80 F9474

17013 SNYDER, E. Variedades de vides resistentes a la filoxera y la angululosis [Heterodera]. Mundo Agr. 4(40):86-87. Sept.1952. 9 M92

17014 SUENAGA, H. On the relationship between the occurrence of Sejiro & Tobiiro-leafhoppers and sunshine-times. (In Japanese.) Kyushu Noji Shikenjo 9:25-26. Mar.1952. 107.6 K996

17015 SUGIYAMA, S., and KAWASE, E. A preliminary note on the autumn occurrance of Macrosiphum granarium Kirby. (In Japanese.) (Abs.) Oyo-Kontyu 7: 64. Aug.1951. 421 Oy6

17016 STROYAN, H. L. G. Records of Cambridgeshire Aphididae. Entomologist 85:249-259. (Concl.) Nov. 1952. 421 En8

17017 TAKAHASHI, R. Some mealy bugs (Pseudococcidae, Homoptera) from the Malay Peninsula. Indian J. Ent. 12:1-22. June 1950,pub.June 1951. 420 In23

Includes new species in Pseudococcus, Tylococcus, Trionymus, Formicococcus, Heliococcus and Phenacoccus.

17018 TANAKA, M. Biological studies of Aulacaspis pentagona (Targ.). II. Diminution of reproductive power of the insects on host plants reared in unmanured sand. (In Japanese.) Kyushu Noji Shikenjo 9:31-32. Ref. Mar. 1952. 107.6 K996

17019 TAPIA, E. A. Dos pulgones perjudiciales a los cultivos de cereales. Res 20:26847. Mar.5,1952. 286.85 R31

Toxoptera graminum and Aphis maidis.

17020 TITSCHACK, E. Die bettwanze und die taubenwanze. Deut. Gesell. f. Angew. Ent. Verhandl. 11: 71-77. 1949,pub.1951. 420 D48V

Cimex.

17021 VILLIERS, A. Hémiptères de l'Afrique noire (punaises et cigales). Dakar,1952. 256 p. Ref. (Institut Français d'Afrique Noire, Dakar. Initiations Africaines 9) 431 V71H

17022 WAGNER, E. Teratocoris lineatus nov. spec., eine neue Miridenart (Hem. Het.). Ent. Ber. 14:158-160. Oct.1,1952. 420 N38B

17023 WAHLIN, B. On the spreading of the cabbage aphid [Brevicoryne brassicae] in oil plant fields. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 1:1-6. Feb.1952. 464.9 Sw3V

17024 WITTLAKE, E. B., and BEAMER, R. H. A new Hebecephalus (Homoptera, Cicadellidae). Kans. Ent. Soc. J. 25:154-156. Oct.1952. 420 K13

17025 WOODROFFE, G. E. A note on the food plants of Coriomeris denticulatus (Scop.) (Hem., Coreidae). Ent. Mon. Mag. 88:255. Nov.1952. 421 En86

17026 YASUMATSU, K. On the natural enemies of Ceroplastes rubens Maskell. 2. (In Japanese.) (Abs.) Oyo-Kontyu 7:61. Aug.1951. 421 Oy6

17027 ZAHRADNÍK, J. Contribution à la connaissance des cochenilles. (Homopt. Coccoidea.). (In Czech.) Českoslov. Společnost. Ent. Časopis 48:198-200. 1951. 420 C33
French summary.
Food and host plants of Diaspidiotus bavaricus and Nipaecoccus nipae.

HYMENOPTERA

17028 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. Como combatir a la hormiga minera de misiones (Atta (Neoatta) sexdens piriventris Santschi). Argentina. Dir. de Inform. P. Misc. 365,7 p. 1952. 9 P943

17029 BENSON, R. B. Hymenoptera. 2. Symphyta, Section (b). London,1952. p.51-137. (Royal Entomological Society of London. Handbooks for the identification of British insects, v. 6, pt. 2(b).) 422.4 R81

17030 BOHART, G. E., and KNOWLTON, G. F. Yearly population fluctuation of Bombus morrisoni at Fredonia, Arizona. J. Econ. Ent. 45:890-891. Oct.1952. 421 J822

17031 BRIAN, A. D. Division of labour and foraging in Bombus agrorum Fabricius. J. Anim. Ecol. 21:223-240. Ref. Nov.1952. 410 J826

17032 COLE, A. C. A new Pheidole (Hymenoptera: Formicidae) from Florida. Ent. Soc. Amer. Ann. 45:443-444. Sept.1952. 420 En82

17033 DURR, H. J. R. The Argentine ant Iridomyrmex humilis (Mayr.) II. Control measures. Farming So. Africa 27:429-431,442. Sept.1952. 24 So842

17034 FISCHER, R. L. Pollination of our agricultural crops. Minn. Farm & Home Sci. [Minn. Sta.] 10:14. Oct. 1952. 100 M668
Bees as pollinators.

17035 GROSCH, D. S. The spinning glands of impaternate (male) Habrobracon larvae: morphology and cytology. J. Morph. 91:221-236. Ref. Sept.1952. 444.8 J826

17036 HEADLEY, A. E. Colonies of ants in a locust woods. Ent. Soc. Amer. Ann. 45:435-442. Sept.1952. 420 En82

17037 HERON, R. J. Experimental starvation of larch sawfly [Pristiphora erichsonii] larvae. Ent. Soc. Manitoba. Proc. 7:16-17. Dec.1951. 420 En88

17038 HIRASHIMA, Y. Descriptions and records of bees of the genus Andrena from eastern Asia. I. Mushi 23:37-43. Apr.15,1952. 421 M97

17039 KEMPFF M., N. Enemigos del apiario: algunas abejas indígenas. Agr. Venezol. 17(155):6-7. Aug./Sept.1952. 9.95 Ag8

17040 KÖNIG, E. Das holzschädlings-lexikon der norddeutschen holzwirtschaft. Norddeut. Holzwirt. 6(49): 3. Oct.22,1952. 99.82 N75
Siricidae.

17041 KUBICZEK, H. Die wespenplage. Osterr. Imker 2:182-183. Oct.1952. 424.8 Os7

17042 LINSLEY, E. G., MACSWAIN, J. W., and SMITH, R. F. Outline for ecological life histories of solitary and semi-social bees. Ecology 33:558-567. Ref. Oct.1952. 410 Ec7

17043 MASI, L. Material for a monograph on the Palearctic Brachymeria (Hymen. Chalcidoidea). (In Italian.) Eos 1950(spec.no.):27-58. Ref. 421 Eo7
French summary.

17044 MICKEL, C. E. The Mutillidae (wasps) of British Guiana. Zoologica 37:105-150. Ref. Oct.31,1952. 410 Z722
Includes new genera Lophomutilla, Lophostigma, Ancipitotilla, Mammomutilla, Calomutilla, Pertyella; new species in Ephuta, Traumatomutilla and Pseudomethoca.

17045 MULDREW, J. A. Studies on the natural immunity of the larch sawfly [Pristiphora erichsonii to the parasite Mesoleius aulicus]. Ent. Soc. Manitoba. Proc. 7:15-16. Dec.1951. 420 En88

17046 PARDI, L. Studies on the activities and the division of labor in a colony of Polistes gallicus (L.) from the hatching of the workers. (Researches on the Polistini. XII). (In Italian.) Arch. Zool. Ital. 36:363-431. Ref. 1951. 410 Ar22
English summary.

17047 ROUSSY, L. Le nid du bourdon terrestre dans les hautes Alpes. Gaz. Apic. 53:229. Aug.1952. 424.8 G25

17048 ROZEN, J. G., JR. A new species of Nomadopsis (Hymenoptera, Andrenidae). Kans. Ent. Soc. J. 25: 144-147. Oct.1952. 420 K13

17049 SACHTLEBEN, H. Die parasitischen Hymenopteren des fichtenborkenkäfers Ips typographus L. Beitr. z. Ent. 2:137-189. Ref. July 1952. 421 B392

17050 SAMŠIŇAK, K. Formica fusca r. lemani Bondr. (Hym. Formic.). Českoslov. Společnost. Ent. Časopis 48:122-127. Ref. 1951. 420 C33

17051 SCHENK, P. J. Membrane-winged insects. 2-5. (In Dutch.) Vakbl. v. de Bloemisterij 7:275,285,303. July 25-Aug.15,1952. 80 V22
Hymenoptera.

17052 STEPHEN, W. P. A new name [Colletes noskiewiczi] for Colletes albescens Nosk. (Hymenoptera: Apoidea). Canad. Ent. 84:355. Nov.1952. 421 C16

17053 STUMPER, R. Etudes myrmécologiques. X. La myrmécobiose. Soc. des Nat. Luxemb. B. (n.s.)44: 31-43. 1950,pub.1951. 410.9 So127

17054 SUBRAMANYAM, V. K. Homalotylus flaminius (Dalman), a parasite of Rodolia grubs predatory on the fluted scale, Icerya purchasi Maskell. Indian J. Ent. 12:103-106. June 1950,pub.June 1951. 420 In23

17055 SYLVÉN, E. The dock sawfly [Ametastegia glabrata] and its control. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnot. 3:35-39. June 1952. 464.9 Sw3V

17056 TOKUNAGA, M., TSUJITA, M., and YAMAZAKI, A. Studies on the larvae of the Tenthredinidae. III-V. Mushi 23:33-36,57-64. Ref. Apr.15,1952. 421 M97
III, Arge nipponensis; IV, Cladius pectinicornis; V, Emphytus albicinctus meridionalis.

17057 USMAN, S. Microbracon chinensis, Szepl., a larval parasite of Sesamia inferens Walk. Indian J. Ent. 12:30. June 1950,pub.June 1951. 420 In23

17058 ZYLKA, S. Ein seltenes schadbild an birnenbüschen verursacht durch die birnentriebwespe—Cephus compressus F. Gesunde Pflanzen 4:269-270. Oct.1952. 464.8 G33

See also Apiculture and Apis mellifera.

LEPIDOPTERA

17059 AGENJO, R. Morfologia, biologie y distribucion geografica de Orgya dubia (Tausch.) en España (Lep. Lymantr.). Eos 1950(spec.no.)283-299. 421 Eo7

17060 ANDERSEN, K. Der zünsler Pyrausta nubilalis Hübn. als hopfenschädling. Deut. Gesell. f. Angew. Ent. Verhandl. 11:176-180. 1949,pub.1951. 420 D48V

17061 APPLE, J. W. Corn borer [Pyrausta nubilalis] development and control on canning corn in relation to temperature accumulation. J. Econ. Ent. 45:877-879. Oct.1952. 421 J822

17062 AUDISIO, H. S. El gusano del duraznero (Laspeyresia molesta Busck). Argentina. Min. de Agr. y Ganad. Almanaque 26/27:359-360. 1951/52. 9 Ag874

17063 BARTH, R. Das duftorgan eines maennchens der gattung Eriopyga (Lepidoptera, Noctuidae, Hadeninae). Inst. Oswaldo Cruz. Mem. 49:612-640. Mar.1951. 448.9 In74

17064 BAYNES, E. S. A. A gynandromorph of Bupalus piniaria L. Ent. Rec. & J. Variation 64:290. Oct. 1952. 421 En89

17065 BERNARDI, G. Mission A. Villiers au Togo et au Dahomey (1950). XVIII. Lépidoptères, Pieridae. Inst. Franç. d'Afrique Noire. B. 14:837-841. July 1952. 515 D14

17066 BERNARDI, G., and LESSE, H. DE. La variabilité géographique de Lycaena helle Denis et Schiff. (Lep. Lycaenidae). Rev. Franç. de Lepidoptérologie 13: 203-214. Ref. Mar./Apr.1952. 421 P192

17067 BRADLEY, J. D. Two new species of Meharia (Lep., Cossidae). Entomologist 85:241-244. Nov.1952. 421 En8

17068 BRČÁK, J. Contribution à la connaissance des Lépidoptères des Hautes Tatras. (In Czech.) Českoslov. Společnost. Ent. Časopis 48:167-178. Ref. 1951. 420 C33
French summary.

17069 BRODERSEN, P. Xylina semibrunnea Hw. new for Denmark. (In Danish.) Ent. Meddel. 26:267-268. 1952. 421 En82

17070 BURGEFF, H. Verbreitungsstudien an der gattung Zygaena Fab. (Lepidoptera) (mit besonderer berücksichtigung des problems der zwischen- und nacheiszeitlichen besiedlung der alpen). I. Portugaliae Acta Biol. Sér. A 1949/51:663-728. Ref. 442.8 P83

17071 CASEY, J. Pale empress of the night. Pa. Angler 21(11):14-17. Nov.1952. 410 P382
Actias luna.

17072 CHALMERS-HUNT, J. Orthosia gracilis Schiff. var. rufescens Ckll. in Kent. Entomologist 85:261. Nov.1952. 421 En8

17073 CHEVALLIER, L. H. S. Lampides boeticus Linn. in Surrey. Ent. Rec. & J. Variation 64:274-277. Oct.1952. 421 En89

17074 CHIARELLI DE GAHAN, A. El bicho quemador [Hylesia nigricans]. Argentina Min. de Agr. y Ganad. Almanaque 26/27:139-142. 1951/52. 9 Ag874

17075 COCKAYNE, E. A. Aberrations of Arctia villica Linnaeus. Ent. Rec. & J. Variation 64:301-302. Nov.1952. 421 En89

17076 COCKAYNE, E. A. The genetics of Arctia villica Linnaeus ab. ursula Schultz and ab. kettlewelli Cockayne. Ent. Rec. & J. Variation 64:302-305. Nov. 1952. 421 En89

17077 COCKAYNE, E. A. The problem of Lasiocampa quercus Linnaeus ab. olivaceo-fasciata Cockerell ab. olivacea Tutt and the melanic larva. Ent. Rec. & J. Variation 64:306-309. Nov.1952. 421 En89

17078 CORY, E. N., and others. Parasites of the European corn borer [Pyrausta nubilalis] in Maryland. Md. Agr. Expt. Sta. B. A72,13 p. n.d. 100 M36S
H. S. McConnell, K. D. Arbuthnot, and D. W. Jones, joint authors.

17079 CRAUFURD, C. Aviemore in 1952. Ent. Rec. & J. Variation 64:280-284. Oct.1952. 421 En89
Chiefly on Lepidoptera observed.

17080 DEURS, W. VAN. New or rare butterflies 1950-51. (In Danish.) Ent. Meddel. 26:279-280. 1952. 421 En82

17081 ELLISON, R. E. The identity of Baecula gallopavo Walker and Lepidodes limbatula Guénée (Lep., Noctuidae). Entomologist 85:247-248. Nov.1952. 421 En8

17082 ESTERBERG, L. K. Airplane-chemical control of the nun moth in pine forests. (In Russian.) Lesn. Khoz. 5(5):82-83. May 1952. 99.8 L5622
Lymantria monacha.

17083 FALDINI, J. D., and PASTRANA, J. A. "Bacillus thuringiensis" como agente entomofago de "Colias lesbia." Rev. Argentina de Agron. 19:154-165. Sept.1952 9 R327

17084 FONSECA, J. P. DA. Control of pink bollworm [Pectinophora gossypiella]. (In Portuguese.) Soc. Rur. Bras. Rev. 32(380):44. Sept.1952. 9.2 B733

17085 FORSTER, W., and WOHLFAHRT, T. A. Die schmetterlinge Mitteleuropas. 2. Stuttgart,1952. p.33-115. 430 F77
Includes mounting.

17086 FREEMAN, H. A. Two new species of Megathymus from Texas and Mexico (Lepidoptera, Rhopalocera, Megathymidae). Amer. Mus. Novitates 1593,9 p. Ref. Oct.29,1952. 500 N483N

17087 FRENCH, R. A. The number of broods of Leucania pallens L. in Hertfordshire. Ent. Rec. & J. Variation 64:277-278. Oct.1952. 421 En89

17088 FUKAYA, M. Physiology of diapause in the rice stem borer [Chilo simplex] with special reference to the termination of diapausing larvae and the developmental mechanism of the gonads. (In Japanese.) (Abs.) Oyo-Kontyu 7:69. Aug.1951. 421 Oy6

17089 FURR, R. E., and CALHOUN, S. L. Toxicity of organic insecticides to the fall armyworm [Laphygma frugiperda]. J. Econ. Ent. 45:892. Oct.1952. 421 J822

17090 GEORGIJEVIC, E. Mulberry spinner (Hyphantria cunea Dr.). (In Serbo-Croatian.) Narod. Sumar 6: 119-125. May/June 1952. 99.8 N16

17091 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Cabbage caterpillars. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 69,rev.,7 p. Aug.1952. 10 G79La
Mamestra brassicae and Pieris species.

17092 GROSCHKE, F. Boarmia bistortata Goeze, der heidelbeerspanner, ein neuer grossschädling. Deut. Gesell. f. Angew. Ent. Verhandl. 11:120-124. 1949,pub. 1951. 420 D48V

17093 HAMNER, L. V. Spiney yucca and pronuba moth [Tegeticula yuccasella] forever bound in seasonal desert partnership. West. Live Stock 38(3):22,159. Oct. 1952. 49 W523

17094 HERING, E. M. Generische unterschiede zwischen Stomopteryx Hein. und Aproaerema Durr. (Lep. Gelech.). Opusc. Ent. 17:201-207. 1952. 421 Op7

17095 HIROSE, K. Some notes on the appearance of rice stems infested by rice stem borer [Chilo simplex] in a single field. (In Japanese.) (Abs.) Oyo-Kontyu 7:69. Aug.1951. 421 Oy6

17096 HOERNER, J. L., and LIST, G. M. Controlling cherry fruitworm [Grapholitha packardi] in Colorado. J. Econ. Ent. 45:800-805. Oct.1952. 421 J822

17097 HOFMASTER, R. N., and GREENWOOD, D. E. Fall armyworm [Laphygma frugiperda] control on young sweet corn. Veg. Growers News 7(6):2. Dec.1,1952. 275.28 V52

17098 HOLLOWAY, P. H. Butterfly hunting in Park Hills, Hampshire. Ent. Rec. & J. Variation 64:317-318. Nov.1952. 421 En89

17099 HRUBÝ, K. Colour variation in Dendrolimus pini L. (Lep. Lasiocamp.). (In Czech.) Českoslov. Společnost. Ent. Časopis 48:127-131. Ref. 1951. 420 C33
English summary.

17100 HUGGINS, H. C. The drinker moth [Philudoria potatoria]. Birds & Country Mag. 5(23):23-24. Mar./May 1952. 413.8 B535

17101 HUGGINS, H. C. Notes on Microlepidoptera. Ent. Rec. & J. Variation 64:285-286. Oct.1952. 421 En89
Collecting hints.

17102 HYDE, G. E. Hairstreak butterflies. Birds & Country Mag. 5(23):24-26. Mar./May 1952. 413.8 B535

17103 II, M., and MIYASHITA, K. Relation between the injury of rice stem borer [Chilo simplex] and the yield of rice. I-IV. (In Japanese.) (Abs.) Oyo-Kontyu 7: 69-72. Aug.1951. 421 Oy6

17104 IMPERIAL CHEMICAL INDUSTRIES. Lanoc CN, a substantive, durable moth-proofing agent. London, 1952? 18 p. (Its Technical Circular) 304 Im72L

17105 ISHIKURA, H. Attractiveness of 360 black light fluorescent lamp to paddy and rice borer moths. (In Japanese.) (Abs.) Oyo-Kontyu 7:67-68. Aug.1951. 421 Oy6

17106 JACOBSON, L. A., and others. Preliminary investigations in chemical control of the pale western cutworm, Agrotis orthogonia Morr. (Lepidoptera: Phalaenidae). Sci. Agr. 32:592-596. Nov.1952. 7 Sci2
H. McDonald, I. S. Lindsay, and P. E. Blakeley, joint authors.

17107 JOHN, H. Eine methode zur trockenpräparation von raupen. Beitr. z. Ent. 2:315-317. July 1952. 421 B392

17108 KANEKO, T., FUKAZAWA, N., and ISHII, S. An aseptic method of rearing rice stem borer, Chilo simplex Butler. (In Japanese.) (Abs.) Oyo-Kontyu 7:68. Aug.1951. 421 Oy6

17109 KLOTS, A. B., and CLENCH, H. K. A new species of Strymon Huebner from Georgia (Lepidoptera, Lycaenidae). Amer. Mus. Novitates 1600,19 p. Dec.11, 1952. 500 N483N

17110 KOMÁREK, O. Zygaena laeta Hb. et sa répartition en Bohême. (Lep. Zyg.). (In Czech.) Českoslov. Společnost. Ent. Časopis 48:179-181. 1951. 420 C33
French summary.

17111 KRUEL, W. Das schadauftreten der nonne [Lymantria monacha] im ostdeutschen kieferngebiete 1947-50. Deut. Gesell. f. Angew. Ent. Verhandl. 11:157-171. Ref. 1949,pub.1951. 420 D48V

17112 KUDLA, M. Quelques notes sur l'écologie et l'apparition de l'espèce Scolitantides orion Pall. (Lep., Lyc.). (In Czech.) Českoslov. Společnost. Ent. Časopis 48:132-134. Ref. 1951. 420 C33
French summary.

17113 LATIF, A., and YUNUS, C. M. Observations on the relationship between citrus leaf-miner (Phyllocnistis citrella Stn.) and citrus canker (Pseudomonas citri Hasse). Indian J. Ent. 12:27-29. June 1950,pub.June 1951 420 In23

17114 LE CHARLES, L. Une Zygène nouvelle pour la faune française. Rev. Franç. de Lepidoptérologie 13:219. Mar./Apr.1952. 421 P192

17115 LECLERE, C. The goat moth [Cossus ligniperda]. Birds & Country Mag. 5(23):26-27. Mar./May 1952. 413.8 B535

17116 LE MARCHAND, S. Note sur un nouveau cas de mélanisme chez Mesoacidalia charlotta How. Rev. Franç. de Lepidoptérologie 13:216. Mar./Apr.1952. 421 P192

17117 LEMPKE, B. J. Migrating Macrolepidoptera in 1951. 12th annual report. (In Dutch.) Ent. Ber. 14:150-157. Oct.1,1952. 420 N38B
English summary.

17118 LEPORI, L. A mycosis of the caterpillar of Thaumetopoea pityocampa Schiff. (In Italian.) Not. sulle Mal. delle Piante 19:77-79. Apr./June 1952. 464.8 N84
English summary.

17119 LESSE, H. DE. Contribution à l'étude du genre Erebia. 7. Rev. Franç. de Lepidoptérologie 13: 217-219. Mar./Apr.1952. 421 P192

17120 LORITZ, J. Nouvelles aberrations d'Erebia euryale adyte Hb. Rev. Franç. de Lepidoptérologie 13: 201-202. Mar./Apr.1952. 421 P192

17121 LORITZ, J. Remarques sur Apantesis quenseli Payk. en France. Rev. Franç. de Lepidoptérologie 13:196-201. Mar./Apr.1952. 421 P192

17122 MCDUNNOUGH, J. H. New species and subspecies in the genus Hydriomena, with notes (Lepidoptera, Geometridae). Amer. Mus. Novitates 1592,17 p. Oct.29, 1952. 500 N483N

17123 MARICONI, F. A. M. Palm worms. (In Portuguese.) Biológico 18:103-107. June 1952. 442.8 B529
Brassolis.

17124 MARIN H., C. Origen de las tres principales plagas del algodón en Colombia. Agr. Trop. 8(8):27-29. Aug.1952. 26 Ag8
Sacadodes pyralis, Pectinophora gossypiella and Anthonomus grandis.

17125 MARTIN, D. F. Peach tree borer [Sanninoidea exitiosa] control. Tex. Agr. Expt. Sta. Prog. Rpt. 1486, 3 p. Aug.15,1952. 100 T31P

17126 MATSUMOTO, S., YUSHIMA, T., and SANTA, H. Studies on the number of generations of cabbage armyworm, Barathra brassicae L. (In Japanese.) (Abs.) Oyo-Kontyu 7:60-61. Aug.1951. 421 Oy6

17127 MATTHEWMAN, W. G., HARCOURT, D. G., and PERRON, J. P. Timing of DDT applications for control of caterpillars on cabbage. Canad. Ent. 84:346-352. Nov.1952. 421 C16

17128 MAZOKHIN-PORSHNIAKOV, G. A. Predator [Anarsia lineatella] of Tartar maple [Acer tataricum]. (In Russian.) Les i Step' 4:81. Apr.1952. 99.8 L565

17129 MEEUSE, A. D. J. Mothproofing from the entomological point of view. Netherlands. Vezelinst. T.N.O. Meded. 109,45 p. Ref. 1951. 304.8 N38

17130 MINAMIKAWA, J. On the life-history of the Japanese brown-tail moth (Euproctis pseudoconspersa Strand). (In Japanese.) (Abs.) Oyo-Kontyu 7:77-78. Aug.1951. 421 Oy6

17131 MITCHENER, A. V., and THORSTEINSON, A. J. A summary of results of insecticide trials. Ent. Soc. Manitoba. Proc. 7:10-12. Dec.1951. 420 En88
Grasshoppers and flies.

17132 MIYASHITA, K., and KAWAMURA, E. Effect of spraying with lime water for peach fruit moth (Carposina niponensis Walsingham). (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:113-117. Mar.1952. 107.6 H68
English summary.

17133 MOUCHA, J. Argynnis laodice Pall. en Tchécoslovaquie. (In Czech.) Českoslov. Společnost. Ent. Časopis 48:135-137. 1951. 420 C33
French summary.

17134 MOUCHA, J. Contribution à la connaissance de la distribution géographique du papillon Leptidea morsei Fent. ssp. major Lork. (Lep. Rhop.). (In Czech.) Českoslov. Společnost. Ent. Časopis 48:181-186. Ref. 1951. 420 C33
French summary.

17135 MUSPRATT, V. M. Agapetes galathea L., at St. Jean-de-Luz in 1950. Entomologist 85:245-246. Nov. 1952. 421 En8

17136 NAKAJIMA, S., and NASU, S. On the mouth parts of some noctuid-moths. (In Japanese.) (Abs.) Oyo-Kontyu 7:53. Aug.1951. 421 Oy6

17137 NEUGEBAUER, W. O. Das problem der indifferenz von forstinsekten, unter besonderer berücksichtigung der ökologie des kieferntriebwicklers [Rhyacionia buoliana]. Deut. Gesell. f. Angew. Ent. Verhandl. 11:103-110. 1949,pub.1951. 420 D48V

17138 NEWMAN, L. H. Transformations of butterflies and moths. London,Ward,Lock,1952. 256 p. 430 N462Tr

17139 NORDSTROM, F. To what extent do we know the geographical distribution of the Swedish Macrolepidoptera? (In Swedish.) Opusc. Ent. 17:209-211. 1952. 421 Op7
English summary.

17140 OHIRA, H. Notes on the sweetpotato leaf folder [Brachmia macroscopa] and its natural enemies. (Preliminary report). (In Japanese.) (Abs.) Oyo-Kontyu 7:63-64. Aug.1951. 421 Oy6

17141 OKAZAKI, K. Some notes on the injury to rice plant caused by rice stem borer [Chilo simplex]. (In Japanese.) (Abs.) Oyo-Kontyu 7:68. Aug.1951. 421 Oy6

17142 OUCHI, M., and TAKANO, J. Experiments on releasing the moths of Chilo simplex Butler, to a fluorescent light. (In Japanese.) (Abs.) Oyo-Kontyu 7:67. Aug. 1951. 421 Oy6

17143 PAISSANIDIS, S. E. Nuevo parásito en los manzanares de Río Negro ("Eulia loxonephes"). Rev. Argentina de Agron. 19:185-186. Sept.1952. 9 R327

17144 PENNSYLVANIA. STATE COLLEGE. SCHOOL OF AGRICULTURE. The Lepidoptera of Pennsylvania; a manual, by H. M. Tietz. State College,1951? 194 p. Ref. 430 P382
Pennsylvania Agricultural Experiment Station cooperating.

17145 PLANTROU, J. A propos de la répartition de Limenitis rivularis Scopoli (Nymphalidae) en Haute-Normandie. Rev. Franç. de Lepidoptérologie 13:223-224. Mar./Apr.1952. 421 P192

17146 PORTMAN, R. W. Fruit insects. Idaho State Hort. Soc. Trans. 1952:4-6. 81 Id12
Lepidoptera.

17147 REAL, P. Observations sur quelques formes de Cnephasia de la Collection Cleu. Rev. Franç. de Lepidoptérologie 13:220-222. Mar./Apr.1952. 421 P192

17148 RICHARDSON, A. New varieties of British Lepidoptera. Ent. Rec. & J. Variation 64:269-273. Oct. 1952. 421 En89

17149 ROELL, L. Sammeltage in den Süd- und Ostalpen. Ent. Z. 62:103-104. (Concl.) Oct.1,1952. 421 En85
Lepidoptera.

17150 ROUGEOT, P. Une remarquable aberration de Mesoacidalia charlotta How. (Hymphalidae). Rev. Franç. de Lepidoptérologie 13:215-216. Mar./Apr.1952. 421 P192

17151 RUSSELL, S. G. C. On Lycaena dispar Haworth. Ent. Rec. & J. Variation 64:315-317. Nov.1952. 421 En89

17152 ST. VINCENT, I. British butterflies & moths. London,Blackie,1952? 64 p. 430 Sa22

17153 SCHENK, P. J. The Larix moth [Coleophora laricella]. (In Flemish.) Cult. en Handel 18:524-526. Sept.1952. 80 C892

17154 SCHWENKE, W. Unsicherheitsfaktoren bei der kiefernspannerprognose uns möglichkeiten ihrer überwindung. Beitr. z. Ent. 2:189-243. Ref. July 1952. 421 B392
Bupalus piniarius and Semiothisa liturata.

17155 SCHWINGENSCHUSS, L. Eine für Osterreich neue Zygaena in Niederösterreich. Peucedanophila (Zygaena) cynarae esp. und ihre formen. Wien. Ent. Gesell. Z. 36:135-137. Dec.31,1951,pub.June 30,1952. 421 Os7

17156 SEVASTOPULO, D. G. The genetics of East African Lepidoptera. IV. Entomologist 85:260. Nov.1952. 421 En8

17157 SHIMANUKI, E., and OMURA, S. One of the characteristics of hibernating larva of Hemerophila atrilineata Butler. (In Japanese.) (Abs.) Oyo-Kontyu 7: 54. Aug.1951. 421 Oy6

17158 SLABÝ, O. Concerning the dependence of the lepidopterous fauna on climatic cycles. (In Czech.) Českoslov. Společnost. Ent. Časopis 48:242-253. Ref. 1951. 420 C33
English summary.

17159 SLABÝ, O. Le problème du dimorphisme sexuel de l'espèce Xylomania conspicillaris L. et l'apparition de sa forme typique dans la Bohême de l'Ouest. (Lep. Nost.). (In Czech.) Českoslov. Společnost. Ent. Časopis 48:187-190. 1951. 420 C33
French summary.

17160 STARK, R. W. Analysis of a population sampling method for the lodgepole needle miner [Recurvaria milleri] in Canadian Rocky Mountain parks. Canad. Ent. 84:316-321. Oct.1952. 421 C16

17161 STEINHAUS, E. A. The susceptibility of two species of Colias to the same virus. J. Econ. Ent. 45: 897-899. Oct.1952. 421 J822

17162 STREL'TSOV, I. I. Safeguarding young oaks from injuries by the brown-tail moth [Nygmia phaeorrhea]. (In Russian.) Les i Step' 5:86. May 1952. 99.8 L565

17163 TAKIGUCHI, M. Ecological notes of Euxoa segetum Schiff. in Fukuoka Prefecture. II. Note on the life history. (In Japanese.) Kyushu Noji Shikenjo 9:33-34. Mar.1952. 107.6 K996

17164 TRAVASSOS, L. Contribution to the knowledge of the Arctiidae. XXIX. The genus Nelphe H.-Schaeffer, 1858. (In Portuguese.) Rev. Bras. de Biol. 12:325-330. Oct.1952. 442.8 R326

17165 TRONÍČEK, E. Quelques espèces de papillons nouvelles pour la Bohême du bassin central de l'Elbe. (In Czech.) Českoslov. Společnost. Ent. Časopis 48:191-197. Ref. 1951. 420 C33
French summary.

17166 TROUVELOT, GRISON, and BILIOTTI. La prévision des infestations de processionnaire du chêne en vue de traitements chimiques. Acad. d'Agr. de France. Compt. Rend. 39:486-490. June 25/July 9,1952. 14 P215Bc
Thaumetopoea processionea.

17167 VALDÉS BARRY, F., FLESH, D., and BARRETO DOMINGUEZ, R. El borer [Diatraea sacharalis] ocasiona cuantiosas pérdidas. Caña y Azúcar 1(4): 17-19. July 1952. 65.8 C163

17168 VALLETTA, A. Vanessa cardui Linn. and other migrants in Malta in 1952. Ent. Rec. & J. Variation 64:279-280. Oct.1952. 421 En89

17169 VANDENBURG, D. O. The orange striped oak caterpillar (Anisota senatoria) a defoliater of oak. Pa. Forests & Waters 4:102-103. Sept./Oct.1952. 99.8 P38

17170 VERESHCHAGINA, V. V. Silvicultural measures for protecting the stand from the oak leaf-roller [Tortrix viridana] and gypsy moth [Porthetria dispar]. (In Russian.) Lesn. Khoz. 5(2):86-87. Feb.1952. 99.8 L5622

17171 VLACH, V. Quelques Microlépidoptères rares des environs de Prague. (In Czech.) Českoslov. Společnost. Ent. Časopis 48:137-139. 1951. 420 C33
French summary.

17172 VOÛTE, A. D. Coleophora laricella Hb on Pseudotsuga taxifolia Britt. Nederland. Boschbouw-Tijdschr. 24:244-246. Sept.1952. 99.8 N28
English summary.

17173 WAGENER, P. S. Beitrag zur Lepidopterenfauna des hohen Atlas in Marokko. Ent. Z. 62:97-102. Oct.1,1952. 421 En85

17174 WAGNER-ROLLINGER, C. Introduction à la faune des Lépidoptères de Suisse. Soc. des Nat. Luxemb. B. (n.s.)44:308-348. Ref. 1950,pub.1951. 410.9 So127

17175 WILLE, J. E. El gusano perforador de la hoja del algodonero [Bucculatrix thurberiella]. Vida Agr. [Lima] 29:785-786. Sept.1952. 9.8 V66

17176 WILSUND, E. Three new Macrolepidoptera from Bornholm. (In Danish.) Ent. Meddel. 26:269-277. 1952. 421 En82

17177 WOLFF, N. L. Toxocampa craccae F. new for Denmark. (In Danish.) Ent. Meddel. 26:260-266. 1952. 421 En82

17178 WOLFRAM, R. Die mehlmotte [Ephestia kuhniella] als versuchstier in der vererbungsforschung. Deut. Gesell. f. Angew. Ent. Verhandl. 11:153-157. 1949,pub. 1951. 420 D48V

See also Sericulture and the Silkworm.

ORTHOPTERA

17179 BALÂMÎR, S. The situtation of the desert locust [Schistocerca gregaria] in the Near-East. (In Turkish.) Bitki Koruma B. 3:14-26. July 1952. 464.8 B54
English summary.

17180 CHOPARD, L. Les blattes cavernicoles du genre Nocticola Bol. Eos 1950(spec.no.):301-310. Ref. 421 Eo7
Includes new species.

17181 CHOPARD, L. Orthoptéroides. Paris,1951. 359 p. Ref. (Federation Francaise des Sociétés de Sciences Naturelles. Office Central de Faunistique. Faune de France, 56) 411 F273
Includes Isoptera and Dermaptera.

17182 COLOMBO, G. Brachypterous Anacridium aegyptium. (In Italian.) Arch. Zool. Ital. 36:355-362. Ref. 1951. 410 Ar22

17183 CORKINS, J. P. Progress report on range grasshopper investigations. Mont. Stockgrower 24(10):20. Oct.15,1952. 49 M76

17184 CORKINS, J. P. Range grasshopper investigations. Mont. Wool Grower 26(11):46,48. Nov.1952. 45.8 M762

17185 DIRSH, V. M. Revision of the group Truxales (Orthoptera, Acrididae). Eos 1950(spec.no.):119-247. 421 Eo7
Includes new tribes Truxalini, Acridini; new genera Chromotruxalis, Oxytruxalis, Truxaloides, and Xenotruxalis; and new species in Truxalis.

17186 DIRSH, V. M. A study of the genus Tropidauchen Saussure (Orthoptera: Acrididae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:94-109. Aug.15,1952. 420 L84Pb
Includes new species.

17187 EBNER, R. Ueber macropterie bei Metrioptera (Orthoptera). Eos 1950(spec.no.):267-274. 421 Eo7

17188 GOODWIN, T. W. The biochemistry of locust pigmentation. Cambridge Philos. Soc. Biol. Rev. 27:439-460. Ref. Nov.1952. 442.9 C14

17189 KARABAG, T. Revision of the genus Bucephaloptera Ebner (Orthoptera, Tettigoniidae). Eos 1950(spec. no.):275-282. 421 Eo7

17190 KEVAN, D. K. M. Dermaptera, Manteodea, Phasmatodea and Saltatoria collected by Dr. B. Benzon and Dr. F. W. Bræstrup in southern and central Kenya Colony. Ent. Meddel. 26:222-230. 1952. 421 En82

17191 MALEK, S. R. A. A lipoprotein precursor of sclerotin in the cockroach cuticle. Nature [London] 170: 850-851. Nov.15,1952. 470 N21

17192 MALLO, R. G. Enemigos del agricultor son los grillotopos. Mundo Agr. 4(40):43-44. Sept.1952. 9 M92

17193 MORALES AGACINO, E. Breves notas sobre los Podismini de la Peninsula Iberica (Orth. Acrid.). Eos 1950(spec.no.):366-384. Ref. 421 Eo7
Includes new species in Podisma.

17194 NEUMANN GARNETT, C. Acción integral del Estado en la lucha contra la tucura. Buenos Aires y La Pampa 19(110):16. July/Aug.1952. 9 B868

17195 OSTROVSKAIA, E. N. Testing benzene hexachloride for controlling the cricket [Gryllotalpa gryllotalpa] in nurseries. (In Russian.) Lesn. Khoz. 5(2):88-90. Feb.1952. 99.8 L5622

17196 PASQUIER, R. Quelques propositions de terminologie acridologique. I. Algeria. Inst. Agr. Ann. 6(6),16 p. Mar.1952. 108 AL35

17197 POOS, F. W. Get that grasshopper! Windrow 2(4):4-5. Sept.1952. 60.18 W72

17198 PRUTHI, H. S. The desert locust [Schistocerca gregaria] cycle of 1940-46 in India: its progress and control. Indian J. Ent. 12:67-98. June 1950,pub.June 1951. 420 In23

17199 RAMME, W. Die parallele faerbungsvariation ("parallelochromie") der Acrididae; ihre genetische und phylogenetische bedeutung. (Orthopt.). Eos 1950(spec.no.): 249-266. 421 Eo7

17200 ROONWAL, M. L. Suggestions for the labelling of locust specimens. Indian J. Ent. 12:23-26. Ref. June 1950,pub.June 1951. 420 In23

17201 SHIRAI, S. Observation on the behaviour of hatching larvae of the rice grasshopper, Oxya vicina Brunner von Wattenwyl. (In Japanese.) (Abs.) Oyo-Kontyu 7:77. Aug.1951. 421 Oy6

17202 UVAROV, B. P. The genus Caloptenopsis I. Bolivar and its allies (Orthoptera, Acrididae). Eos 1950 (spec.no.):385-413. 421 Eo7
Including new species.

17203 WILLEMSE, C. On a collection of Orthoptera from the Caroline Islands from the Bernice P. Bishop Museum of Honolulu. Eos 1950(spec.no.):325-361. Ref. 421 Eo7
Includes new species in Phaulula, Dichophaula, Biroa, Salomona, Carolinotettix n.g., Rhicnogryllus and Heterotrypus.

SERICULTURE AND THE SILKWORM

17204 ALI, H. New technique to eliminate infection—Nosema bombycis—among silk-worms. Indian Textile J. 63 (745):46-47. Oct.1952. 304.8 In2

17205 BEARD, E. The early-American silkworm. Frontiers 17:35-38,62. Dec.1952. 410 F92

17206 BUONOCORE, C. The present state of the silkworm egg industry. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):1163-1170. 1952. 388 C765Re
English summary.
Bombyx mori in Italy.

17207 CARRETTA, F. Use of high frequency electric fields for killing of silkworm cocoons and later dehydration treatment. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):187-198. 1952. 388 C765Re

17208 FRAISSE, R., and LAUDANSKI, F. Les variations de la composition chimique de la feuille de murier en fonction de l'état physiologique de celle-ci ou du végétal et leurs conséquences en sériciculture. Acad. d'Agr. de France. Compt. Rend. 39:464-467. June 25/July 9,1952. 14 P215Bc

17209 ITO, T. On the integument of the silkworm during moulting. (In Japanese.) (Abs.) Oyo-Kontyu 7:80-81. Aug.1951. 421 Oy6

17210 KATSUMATA, F. On the optimum temperature for the growth of the silk worm, with special reference to the resistance to hunger, amount of feed and digestion, and body weight in the 5th instar. (In Japanese.) (Abs.) Oyo-Kontyu 7:53-54. Aug.1951. 421 Oy6

17211 LINDE, V. V. On revising the 3707-47 State standard for dry [Bombyx mori] cocoons. (In Russian.) Tekstil'. Promysh. 12(7):20-22. July 1952. 304.8 T23

17212 MALUCELLI, P. Sericulture in depressed areas. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):1125-1138. 1952. 388 C765Re
English summary.
Italy.

17213 PIGORINI, L. The improvement of silk through selection of cocoon characteristics. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):1139-1162. 1952. 388 C765Re

17214 TAKADA, N. The relations between the state of health and the physico-chemical system of the body fluid of silk worms. (In Japanese.) (Abs.) Oyo-Kontyu 7:72. Aug.1951. 421 Oy6

17215 TOUMANOFF, C., and VAGO, C. La nature de l'affection des vers a soie due a Bacillus cereus var. alesti Toum. et Vago. et les modalités d'action de ce bacille. Inst. Pasteur. Ann. 83:421-423. Sept.1952. 448.3 An75

17216 VENEROSO, A. Reeling of cocoons with water purified of calcium salts and magnesium in various ways. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):1171-1180. 1952. 388 C765Re
English summary.

SMALLER ORDERS

17217 ASAHINA, S. Odonata of the Bonin Islands. Mushi 23:45-56. Ref. Apr.15,1952. 421 M97
Includes Boninthemis n.n., Boninagrion n.g., and new species in Austrolestes.

17218 BLUNCK, H. Thrips tabaci als tabakschädling in der Türkei. Deut. Gesell. f. Angew. Ent. Verhandl. 11:18-36. Ref. 1949,pub.1951. 420 D48V

17219 BOESEMAN, M. Diplatys sumatranus, a new earwig from Sumatra. Rmus. van Nat. Hist. Zool. Meded. 31:259-263. Aug.7,1952. 410.9 L59

17220 BURR, M. A note on Embia. Ent. Rec. & J. Variation 64:292. Oct.1952. 421 En89

17221 CLEMENTS, W. B. Termite shields, are they effective in subterranean termite control? Pest Control 20(11):29-30. Nov.1952. 449.8 Ex8

17222 CORBET, P. S. An adult population study of Pyrrhosoma nymphula (Sulzer): (Odonata: Coenagrionidae). J. Anim. Ecol. 21:206-222. Nov.1952. 410 J826

17223 DÜZGÜNEŞ, Z. Taeniothrips simplex Morison. (In Turkish.) Bitki Koruma B. 3:27-30. July 1952. 464.8 B54
English summary.

17224 EVANS, F. C., and SMITH, F. E. The intrinsic rate of natural increase for the human louse, Pediculus humanus L. Amer. Nat. 86:299-310. Sept./Oct.1952. 470 Am36

17225 FRASER, F. C. Methods of exophytic oviposition in Odonata. Ent. Mon. Mag. 88:261-262. Nov.1952. 421 En86

17226 GAINES, J. C., and others. Insecticidal control of thrips on cotton. J. Econ. Ent. 45:790-794. Oct.1952. 421 J822
T. R. Pfrimmer, M. E. Merkl, and F. M. Fuller, joint authors.
Frankliniella species.

17227 HOLLAND, G. P. Descriptions of fleas from northern Canada (Siphonaptera). Canad. Ent. 84:297-308. Ref. Oct.1952. 421 C16
Includes new species in Ceratophyllus.

17228 HOOD, J. D. Brasilian Thysanoptera. III. Biol. Soc. Wash. Proc. 65:141-174. Nov.5,1952. 500 W272
Includes new family Uzelothripidae; new genera Aulacothrips, Uzelothrips, Blepharidothrips, Palinothrips, Saurothrips, Cyphothrips and Smicrothrips; new species in Erythrothrips, Sericothrips, Leucothrips, Pseudodendrothrips, Chirothrips, Podothrips, Trichinothrips, Zeugmatothrips, Hyidiothrips, Hoplothrips, Malacothrips, Orthothrips, Hoplandrothrips, Neurothrips, Arcyothrips, Diceratothrips, Adelothrips, Holothrips, Diplacothrips, Gastrothrips, Symphyothrips, Pygothrips, Oedaleothrips and Anactinothrips.

17229 HOOD, J. D. A new Frankliniella injurious to banana (Thysanoptera, Thripidæ). Biol. Soc. Wash. Proc. 65:137-139. Nov.5,1952. 500 W272
F. musaeperda n. sp.

17230 HOPKINS, G. H. E. Notes on synonymy in Siphonaptera. Wash. Acad. Sci. J. 42:363-365. Nov.1952. 500 W276J

17231 HYNES, H. B. N. The Neoperlinae of the Ethiopian Region (Plecoptera, Perlidae). Roy. Ent. Soc. London. Trans. 103:85-108. Ref. June 27,1952. 420 L84

17232 JORDAN, H. E. K. On Leptopsylla taschenbergi Wagner 1898. Eos 1950(spec.no.):19-26. 421 Eo7

17233 JOUBERT, C. J. The onion thrip [Thrips tabaci] and "witroes" in onion plants. Farming So. Africa 27:420. Sept.1952. 24 So842

17234 KOHNO, M. Notes on Japanese Capniidae with descriptions of new species (Plecoptera). Mushi 23:17-28. Ref. Apr.15,1952. 421 M97
New species in Capnia.

17235 LONGANECKER, D. S., and BURROUGHS, A. L. Sylvatic plague studies, IX. Studies of the microclimate of the California ground squirrel burrow and its relation to seasonal changes in the flea population. Ecology 33:488-499. Ref. Oct.1952. 410 Ec7

17236 MCLEOD, J. H., and CHANT, D. A. Notes on the parasitism and food habits of the European earwig, Forficula auricularia L. (Dermaptera: Forficulidae). Canad. Ent. 84:343-345. Nov.1952. 421 C16

17237 MENON, P. B., GUPTA, C. M. S., and BASU, B. C. Value of a mixture of derris root powder and DDT in the control of poultry lice. Indian J. Vet. Sci. & Anim. Husb. 21:229-234. Ref. Dec.1951,pub.1952. 41.8 In22

17238 PRIESNER, H. On some central African Thysanoptera. Inst. Franç. d'Afrique Noire. B. 14:842-880. July 1952. 515 D14
Includes new species in Malacothrips, Elaphrothrips, Bactrothrips, and Fulgorothrips.

17239 SCHMIDT, E. Fang und aufzucht der larve von Boyeria irene (Fonsc.) (Odon., Aeschnidae). Opusc. Ent. 17:187-192. 1952. 421 Op7

17240 SUGAWARA, H., OMORI, H., and OYA, T. Some investigations on the cabbage "goma" spot by Thrips tabaci Lindeman. (In Japanese.) (Abs.) Oyo-Kontyu 7:94-95. Aug.1951. 421 Oy6

17241 TIMMERMANN, G. New and little-known species of Quadraceps (Mallophaga) from pratincoles, coursers and other plover-like birds. Ann. & Mag. Nat. Hist. (ser.12)5:1026-1037. Nov.1952. 410 An77

17242 TRAUB, R., and JOHNSON, P. T. Four new species of fleas from Mexico (Siphonaptera). Amer. Mus. Novitates 1598,28 p. Dec.10,1952. 500 N483N
In Strepsylla, Hystrichopsylla and Monopsyllus.

17243 VARGAS, L. Jellisonia ortizi n. sp. pulga ceratofilida de Mexico. Mex. Inst. de Salubridad y Enferm. Trop. Rev. 12:39-43. Jan./Dec.1951. 449.9 M572
English summary.

17244 VARGAS, L. Nota acerca de las pulgas mexicanas (Insecta: Suctoria). Mex. Inst. de Salubridad y Enferm. Trop. Rev. 12:81-87. Ref. Jan./Dec.1951. 449.9 M572

17245 VARGAS, L. Polygenis martinez-baezi n. sp., de Mexico (Insecta: Suctoria). Mex. Inst. de Salubridad y Enferm. Trop. Rev. 12:107-111. Jan./Dec.1951. 449.9 M572
English summary.

17246 WAGNER, J. Aphaniptera. In Titschack, E. Beiträge zur fauna Perus, v.2,p.201-203. Jena,Fischer, 1951. 411.3 T53

17247 WYGODZINSKY, P. Notes on the Thysanura (Insecta, Apterygota) of the Canary Islands. Rmus. van Nat. Hist. Zool. Meded. 31:225-232. June 20,1952. 410.9 L59
Includes a new species in Dilta.

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

17248 BEASLEY, R. P. Determining the effect of topography and design on the characteristics of farm ponds. Agr. Engin. 33:702-704. Nov.1952. 58.8 Ag83

17249 CHERNYSH, A. M. Successes of mechanizers of the Forest Conservation Station in building collective farm ponds. (In Russian.) Les i Step' 4(7):50-51. July 1952. 99.8 L565

17250 HATESAUL, E. Unfallverhütung verringert soziallasten! Hannoversche Land- u. Forstwirt. Ztg. 105:870-871. Aug.30,1952. 18 H194

17251 HENDERSON, G. E. Explaining electrical safety. Farm Safety Rev. 10(6):4-5. Nov./Dec.1952. 449.8 F22

17252 KOPP, Z. I. Mechanization of dam building for water reservoirs on kolkhozes. (In Russian.) Les i Step' 4(7):39-43. July 1952. 99.8 L565

17253 LANDYSHEVSKII, V. P. Achievements of collective farm fish farming. (In Russian.) Rybnoe Khoz. 28(6):50. June 1952. 414.8 R962

17254 MCKIBBEN, E. G., and BERRY, M. O. The value of replications in research. Agr. Engin. 33:792, 798. Dec.1952. 58.8 Ag83

17255 MATHER, J. W. Performance standards for tank truck salesmen [of petroleum products] of consumers cooperative association locals. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 166,93 p. May 1952. 166.3 M68
Cooperatives affiliated with Consumers Cooperative Association, Kansas City, Mo.

17256 RUSSELL, H. S. Barns can be saved! Mutual Ins. B. 39(9):4-6. Sept.1952. 284.68 M983
Fire fighting.

17257 SKROMME, L. H. The challenge and rewards of a design career. Agr. Engin. 33:777-779. Dec.1952. 58.8 Ag83

17258 WAKEMAN, T. J. How to teach farm power to vo-ag students. Better Farming Methods 24(12):40,42. Dec.1952. 58.8 B46

17259 WILLS, J. M. Principles of farm design. Queensland Fruit & Veg. News 2(31):27. June 13,1952. 280.38 Q3
Layouts.

17260 YOUARD, G. B. Soil stabilization for farm roads. Gt. Brit. Min. Agr. Agriculture 59:371-375. Nov. 1952. 10 G79J

FARM MACHINES AND EQUIPMENT

17261 ALFELD, E. Meine selbstgebaute elektrische winde für den heuaufzug und ihre anwendung. Osterr. Landtech. 5:228-229. Aug./Sept.1952. 58.8 L236

17262 ANDERSON, K. W. New horizons in farm machinery development. Agr. Engin. 33:765-769. Dec. 1952. 58.8 Ag83

17263 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE INVESTIGACIONES. INSTITUTO DE INGENIERIA RURAL. La producción mecanizada de hortalizas. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:129-136. 1951/52. 9 Ag874

17264 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE INVESTIGACIONES AGRICOLAS. INSTITUTO DE INGENIERIA RURAL. Simultaneidad de las labores en agricultura. Argentina. Min. de Agr. y Ganad. Almanaque 26/27: 225. 1951/52. 9 Ag874
Mechanization.

17265 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE INVESTIGACIONES. INSTITUTO DE INGENIERIA RURAL. El trabajo nocturno en la agricultura mecanizada. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:127. 1951/52. 9 Ag874

17266 BALDONI, R. Share farming and mechanization: general problems of farm mechanization. (In Italian.) Macch. e Motori Agr. 10:967-989. Oct.1952. 58.8 M13

17267 BARMINGTON, R. D., and MCBIRNEY, S. W. Mechanizing the production of sugar beets. Colo. Agr. Col. Ext. B. 420-A,40 p. Apr.1952. 275.29 C71E

17268 BARTLETT, H. D. A vertical potato elevator. Maine. Agr. Expt. Sta. B. 504,11 p. Sept.1952. 100 M28S

17269 BENSON, J. P. Cost of mechanized cotton production in California. (Extr.) Cotton Gin & Oil Mill Press 53(23):65. Nov.8,1952. 304.8 C822

17270 BLASCH, J. "Um es herauszufinden." Gedanken zum landtechnischen ausstellungswesen. Osterr. Landtech. 5:219-221. Aug./Sept.1952. 58.8 L236

17271 BOER, P. G. DE. Some new working methods in arable farming. (In Dutch.) Netherlands. Dir. van de Wieringemeer. Verslag 15:31-59. 1952. 290.9 N382
Equipment.

17272 BRITISH tractors and farm machinery. The green book series, No. 1, 1951/52. London,1951. 244 p. 58.8 B773

17273 BUSTINZA, J. M. DE. Precisiones sobre la mecanización agricola. Cám. Ofic. Sind. Agr. de Barcelona. B. 6:284-285. Dec.1951. 15 C14

17274 CAMPBELL, B. From grandad's plow to now. Iowa Agr. 51(2):10-11. Oct.1952. 6 Io9

17275 CANDURA, G. The effects of mechanization of agriculture on the agricultural industries. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):461-470. 1952. 388 C765Re

17276 CAPEK, D. Some proposals in connection with the manufacture of farm machinery. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(12):24. Aug.1952. 21.5 V87

17277 CARENA, A. Agricultural machinery at the second International Equipment Show. (In Italian.) Macch. e Motori Agr. 10:1013-1029. Oct.1952. 58.8 M13

17278 CARENA, A. Agricultural mechanization. (In Italian.) Gior. di Agr. 62:319. Oct.19,1952. 16 It1G
Italy.

17279 CARENA, A. Research in agricultural technique at the Agricultural Experiment Station, Brunswick-Völkenrode. (In Italian.) Macch. e Motori Agr. 10:855-863. Sept.1952. 58.8 M13

17280 COTTON MECHANIZATION CONFERENCE, 1952. Reports; addresses, panel discussions, photoviews. Cotton Gin & Oil Mill Press 53(23),86 p. Nov.8, 1952. 304.8 C822

17281 EAST BENGAL. DIRECTOR OF AGRICULTURE. Agricultural implements. Mon. Survey Econ. Cond. East Bengal 3:9-12. July 1952. 280.9 Ea76

17282 EJSING, G. Rationalization and mechanization of farm gardens. (In Danish.) Dansk Landbr. 71:519-520. Oct.23,1952. 280.28 V91

17283 ELLIOTT, F. C. Progress of cotton mechanization in Texas. Cotton Gin & Oil Mill Press 53(24):36-40. Nov.22,1952. 304.8 C822

17284 FAIRBANK, J. P. Field demonstration of cotton production machinery and methods. Cotton Gin & Oil Mill Press 53(23):61,70. Nov.8,1952. 304.8 C822

17285 FEDERATION OF MALAYA. DEPT. OF AGRICULTURE. Investigations into the mechanical cultivation of padi in Malaya, August, 1950. Fed. Malaya. Dept. Agr. Mech. Ser. 1,120 p. 1951. 58.9 M29

17286 FISCHER, H. Auf welche weise kann die mechanisierung der klein- und mittelbäuerlichen betriebe gefördert werden? Landmasch.-Markt 31:583-585. Sept.18,1952. 58.8 L239

17287 FISHER, W. J. Mechanization outlook. (Extr.) Cotton Gin & Oil Mill Press 53(23):53-54,58-59. Nov.8, 1952. 304.8 C822
Cotton.

17288 FOLTIN, E. Neue landmaschinen zur messe 1952. Deut. Landwirt. 3:605-608. Nov.1952. 18 D4822
Russian Zone.

17289 FOLTINEK, H. Die Royal Agricultural Show 1952. Osterr. Landtech. 5:194-199. July 1952. 58.8 L236

17290 FRANCE. STATION CENTRALE D'ESSAIS DE MACHINES. Rapport annuel sur l'activité, 1951. France. Cent. de Rech. et d'Expt. du Génie Rur. Études et Trav. 17,various pagings. June 1952. 58.9 P21

17291 GALILEE, M. The objects of mechanization in the plantations. (In Hebrew.) Hassadeh 32:535-539. Aug./Sept.1952. 26 H27

17292 GRIFFING, J. B. What the EMA [Empresa de Mecanização Agrícola] has done in Brazil. (In Portuguese.) Rev. dos Criadores 23(9):9-12. Sept.1952. 43.8 R32
Empresa de Mecanização Agricola established by the International Basic Economy Corporation.

17293 GUNTHART, A. Warum haben die ackerbaukolonnen sich nicht bewährt? Grüne 80:1246-1247. Nov.14,1942. 17 Sch9
Equipment for Swiss farmers.

17294 HAAS, R. H. Cotton mechanization must pay! Crops & Soils 5(3):12-13. Dec.1952. 6 W55

17295 HANSEN, H. J. Conveyor for chopped hay. Farm Res. [N. Y. State Sta.] 18(4):16. Oct.1952. 100 N48A

17296 HILLHOUSE, W. F. Agricultural machinery for the U.S. Foreign Trade 12(309):7-8. Nov.29,1952. 286.8 C162
Canada.

17297 HOSIER, A. J. Some of my inventions. Inst. Brit. Agr. Engin. J. 9:20-25. July 1952. 58.9 In7
Mechanization in agriculture.
Includes discussion.

17298 JENKIN, P. A. The pineapple farm: some thoughts on mechanization. Queensland Fruit & Veg. News 2(45):23-25. Sept.19,1952. 280.38 Q3

17299 JENSEN, N. F., and WILLIS, G. H. Small grain nursery equipment. Agron. J. 44:590-592. Nov. 1952. 4 Am34P

17300 KAIPOV, A. N. Experiment in constructing hand-operated electric garden and orchard implements. (In Russian.) Sel'khozmashina 7:6-10. July 1952. 58.8 Se42

17301 KERESELIDZE, SH. IA. On complex mechanization of tea plantations. (In Russian.) Sel'khozmashina 4:15-16. Apr.1952. 58.8 Se42

17302 KLIMENKO, V. I. Complex mechanization of socialist fruit orchards. (In Czech.) Za Socialist. Zeměděl. 2:397-400. Apr.1952. 19.5 Z1
Czechoslovakia.

17303 KOGSTAD, K. Gardener's and fruit grower's equipment day. (In Norwegian.) Gartneryrket 42:655-657. Sept.20,1952. 80 G1938
In Denmark.

17304 LACOMBE, R. La démonstration de motoviticulture de Montpellier les 17, 18 et 19 octobre 1952. Motorisation Agr. 7:349,351. Sept.1952. 58.8 M85

17305 LANDMASCHINENPRODUKTION. Landtechnik 7:610-613. Oct.31,1952. 58.8 L235

17306 LEES, A. B. Industry's contribution to agricultural research. XII. The Ferguson organisation. World Crops 4:419-421. Dec.1952. 281.8 W892
Equipment.

17307 MALIŪTA, D. Complex mechanization of collective farm production. (In Russian.) Kolkhoz. Proizvodstvo 12(10):6-12. Oct.1952. 281.8 K83

17308 MEINDL, G. Gemeinschaftliche maschinenverwendung in Schweden. Landwirtschaft 21/22:317-321. Nov.1952. 19 L235

17309 MEINDL, G. Landmaschinenschau und landmaschinenvorführung auf der Wiener Herbstmesse 1952. Landwirtschaft 19/20:306-309. Oct.1952. 19 L235

17310 MOISSEEFF, A. The authentic story of Russian agricultural machinery production. Farm Impl. & Mach. Rev. 78:434-435. July 1,1952. 58.8 Im72
Translated from the New Times, Moscow.

17311 MOORE, W. B. West sets the pace in advance of mechanization. Cotton Gin & Oil Mill Press 53(23): 13-14,59. Nov.8,1952. 304.8 C822

17312 NATIONAL COTTON COUNCIL. The story of mechanization. Cotton Digest 25(12):14-18,38-39. Nov.29,1952. 286.82 C822

17313 NIKOLAEV, M. Mechanization of extraction of peat for fertilizer. (In Russian.) Mashinno-Traktornaia Sta. 12(5):24-26. May 1952. 58.8 M11

17314 PESARO. CAMERA DI COMMERCIO INDUSTRIA E AGRICOLTURA. Manifestazione di meccanica agraria: atti del convegno e resoconto sulle prove pratiche di macchine sul terreno [Aspects of mechanization: acts of the meeting and reports on the practical tests of equipment in the field]. Pesaro,1951. 82 p. 58.9 P43

17315 REHRL, K. Die gemeinschaftsbildenden kräfte als grundlage gemeinschaftlicher maschinenverwendung. Osterr. Landtech. 5:222-223. Aug./Sept.1952. 58.8 L236

17316 ROCHEBROCHARD, A. DE LA. La démonstration de motoculture en haute montagne. Motorisation Agr. 7:373,375. Sept.1952. 58.8 M85

17317 RUDAKOV, G. F. On the duties of the State machine-testing stations. (In Russian.) Sel'khozmashina 5:13-15. May 1952. 58.8 Se42
Testing equipment.

17318 SEIBT, H. Motorentechnik und bionome landkultur. Bebauet die Erde 22:33-36. May 1952. 18 B38

17319 SPOUSTA, C. Preparation of machines at the Machine Tractor Station in Czechoslovakia for the spring field work (criticism and method of work). (In Czech.) Za Socialist. Zemedel. 1,i.e.2:53-56. Jan.1952. 19.5 Z1

17320 UNION NATIONALE DES INGENIEURS AGRICOLES. Annuaire des ingénieurs agricoles, 1951. Paris, 1951. 424 p. 225 An729

17321 VAN, W. R. Agricultural machinery. Foreign Trade 12(304):21-23. Oct.25,1952. 286.8 C162
Cuban market for Canadian equipment.

17322 VERDUZIO, A. Mechanization of small farms. (In Italian.) Rass. dell'Agr. Ital. 7(7):14. July 1952. 281.8 R18

17323 VESENJAK, V. Let's mechanize our vineyards. (In Slovenian.) Sadjarstvo Vinarstvo Vrtnarstvo 4:115-118. Apr.1952. 21.5 Sa1
Yugoslavia.

17324 VIC, G. L'intérêt des appareils enjambeurs dans le vignoble. Motorisation Agr. 7:365-366. Sept. 1952. 58.8 M85

17325 WALDEN, R. K. Cost of mechanized cotton production in Arizona. (Extr.) Cotton Gin & Oil Mill Press 53(23):64,67,82-83. Nov.8,1952. 304.8 C822

17326 WALKER, H. B. Engineering appraisal of farm mechanization. Agr. Engin. 33:698-701,704. Ref. Nov.1952. 58.8 Ag83

17327 WESTBROOK, E. C. Progress of cotton mechanization in Georgia. Cotton Gin & Oil Mill Press 53(23):28,34. Nov.8,1952. 304.8 C822

17328 YOKOYAMA, I., and TORIYAMA, M. Studies on the implements for hillside farming. I. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:51-53. Mar. 1952. 107.6 H68
English summary.

Animal Husbandry Equipment

17329 ALBAUGH, R., KELLY, C. F., and BELTON, H. L. Beef handling and feeding equipment. Calif. Agr. Expt. Sta. C. 414,33 p. May 1952. 100 C12S

17330 ATHERTON, R. T. Three minutes from the cow to the cooler. New Eng. Homestead 125(21):10-11. Nov.8,1952. 6 N442

17331 BARTON, H. Winter proof stock waterer. Elect. Farm Mag. 25(8):7. Oct.1952. 335.8 EL27

17332 FEED-lot timesavers. Country Gent. 122(11): 30-31. Nov.1952. 6 C833

17333 FLIKKE, A. M. Frost-free stock watering tank. Minn. Farm & Home Sci. [Minn. Sta.] 10:6. Oct. 1952. 100 M668

17334 FUNK, E. M. Can incubators be made for multiple turning? Hatchery & Feed 26(11):60-62. Nov. 1952. 47.8 H28

17335 GRATON, A. Maniere d'operer les incubateurs. Avicult. Québecois 7(10):5-6. Oct.1952. 47.8 Av55

17336 HENDRICKX, H., and VLEESCHAUWER, A. DE. Corrosion of metals in the dairy industry. (In Flemish.) Gent. Landbouwhogesch. Meded. 17:293-318. Ref. June 1952. 105.1 G344
English summary.

17337 HIGH, J. E. Which feeder is best for broilers? Broiler Growing 3(11):19,36,38-39. Nov.1952. 47.8 B782

17338 HORN, E. Störungen beim maschinenmelken; ihre ursachen und deren behebung. Kontrollangestellte, p. 1-2. In Unser Milchvieh 4(8). Aug.1952. 43.8 Un7

17339 HUNGERFORD, T. A. G. Australia installs third rotolactor. Calif. Dairyman 32(21):14,22. Nov.15, 1952. 44.8 C12

17340 HUNGERFORD, T. A. G. The rotolactor in Australia. Dairyman 69:663,665. Nov.1952. 44.8 D1426

17341 ĪSHIHARA, M., YOSHIDA, T., and HASHIMOTO, S. Studies on the saddle of cattle. (In Japanese.) Chugoku-Shikoku Agr. Expt. Sta. B. Ser. B (Anim. Indus.) 1: B39-B54. Jan.1952. 107.6 T5752B
English summary.

17342 JEBERIN, H. Zum einsatz der melkmaschine auf der weide. Hannoversche Land- u. Forstwirt. Ztg. 105:404-405. Apr.19,1952. 18 H194
Portable equipment.

17343 KIRK, D. E. Mechanical feeders for silage. Oreg. Agr. Expt. Sta. C. Inform. 518,2 p. Nov.1952. 100 Or3C

17344 KIZIRIĬA, A. Organizing the electric shearing of sheep. (In Russian.) Mashinno-Traktornaîa Sta. 12 (5):16-18. May 1952. 58.8 M11

17345 KOROLEV, V., and LARIN, V. How to organize the mechanical milking of cows on a pasture. (In Russian.) Tekhsovety MTS 13(19/20):1-6. May 1952. 58.8 T233

17346 MARTINY, H. C. Melkmaschinen-einsatz. Ausbild. u. Beratung in der Landwirt. 5:113-114. Sept. 1952. 18 N11

17347 MONTGOMERY, G. A. Less work to feed cattle. Capper's Farmer 63(11):25,62-63. Nov.1952. 6 M693
Mechanical equipment.

17348 NOVIKOV, G. Mechanization of livestock farms. (In Czech.) Za Socialist. Zemedel. 2:292-294. Mar.1952. 19.5 Z1
Czechoslovakia.

17349 SAMSONOV, G. Mechanization of work on collective farm livestock farms. (In Russian.) Kolkhoz. Proizvodstvo 12(10):46-49. Oct.1952. 281.8 K83

17350 TEMPLETON, G. S. Automatic watering system for the rabbitry. Calif. Rabbit News 13(7):12-13. Oct.1952. 40.28 C12

17351 VENNMANN, W. Liefert die melkmaschine eine keimreichere milch? Deut. Landwirt.-Gesell. Mitt. 67:657-658. Sept.13,1952. 18 N39

17352 WARNICK, A. C., RUTLAND, P. M., and BONNICKSEN, L. W. A combination lamb brooder and ewe feeder. Oreg. Agr. Expt. Sta. C. Inform. 515,3 p. Oct.1952. 100 Or3C

17353 WHITTLESTONE, W. G. Efficient milking with the combine or releaser milking machine. Soc. Dairy Technol. J. 5:319-323. Oct.1952. 44.8 So12

17354 WORLAN, C. E., and SEARLE, S. Warm water in winter. Successful Farming 50(12):34-35,70. Dec. 1952. 6 Su12
Automatic waterers.

Cultivation and Tillage Equipment

17355 AMATI, P. The Scalmana semi-portable plow. (In Italian.) Macch. e Motori Agr. 10:885-888. Sept.1952. 58.8 M13

17356 BALLU, T. Le dechaumage. Tech. Agr. 61:6-9. Oct.1952. 58.8 T222
Equipment.

17357 CHABERT, F. DE. Les charrues vigneronnes. Motorisation Agr. 7:357,359,361. Sept.1952. 58.8 M85

17358 GASS, J. Setting the mouldboard plough for good work. Power Farmer 9:168-170. Nov.1952. 58.8 P872

17359 KALĪUZHNYĬ, G. D., and GIL'SHTEĬN, P. M. New PKB-56P and PKB-2-54 brush and marsh plows. (In Russian.) Sel'khozmashina 9:19-20. Sept.1952. 58.8 Se42

17360 KOJIMA, K. Load ratio between wheel and tine of the Japanese tiller. (In Japanese.) Kyushu Noji Shikenjo 9:115-116. Mar.1952. 107.6 K996

17361 KROGH, A. VON. Die gitterrollegge—ein neues gerät für die saatbettherrichtung. Deut. Landwirt.-Gesell. Mitt. 67:728. Oct.9,1952. 18 N39

17362 MANFREDI, E. The congress for technical progress in tillage and related fields of agricultural mechanization, Pesaro, June 1952. (In Italian.) Macch. e Motori Agr. 10:891-902. Sept.1952. 58.8 M13

17363 MANIN, K., and BRYSIN, A. A tractor drag for leveling the surface of irrigated fields. (In Russian.) Tekhsovety MTS 13(29/30):10-12. Aug.1952. 58.8 T233

17364 PERDISA, S. Modern mechanical hedge pruning methods. (In Italian.) Macch. e Motori Agr. 10:1009-1012. Oct.1952. 58.8 M13

17365 REECE, A. R. Tillage tool dynamometers. Inst. Brit. Agr. Engin. J. 9:30-34. July 1952. 58.9 In7

17366 ROZHNOV, S. I. Correct use of plows for reclamation of sandy soils. (In Russian.) Les i Step' 2: 60-64. Feb.1952. 99.8 L565

17367 SEMENIUK, I., and GONCHAR, I. Repair of moldboards of tractor plows. (In Russian.) Tekhsovety MTS 13(33/34):15-16. Sept.1952. 58.8 T233

17368 TORSTENSSON, G. Why not double plow? (In Swedish.) Lantmannen 36:889-890. Nov.1,1952. 11 L234

17369 WARBURTON, J. R. The disc plough, a neglected implement. Power Farmer 9:162-163. Nov. 1952. 58.8 P872

Fertilizer and Seed Distributors

17370 ANDASARSKI, D. Mechanical transplantation of tobacco. (In Serbo-Croatian.) Tutun 2:207-214. June/July 1952. 69.8 T88

17371 ANTONENKO, I. ĪA. New sowing machine for narrow-row planting of grain crops. (In Russian.) Sel'khozmashina 6:10-12. June 1952. 58.8 Se42

17372 BETTER know your ammonias. Impl. Rec. 49 (12):21-23,37. Nov.1952. 58.8 Im73
Equipment.

17373 BOGACHEV, V. D. Narrow-row SUB-48 [grain] sowing machine. (In Russian.) Sel'khozmashina 6:8-10. June 1952. 58.8 Se42

17374 FERRARI, R. C. Algo sobre el trasplante mecanico del tabaco. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:113-114. 1951/52. 9 Ag874

17375 GUSINTSEV, F. G. Electric method of recording the uniformity of seed distribution in a row. (In Russian.) Sel'khozmashina 7:17-18. July 1952. 58.8 Se42
Equipment.

17376 HUFNAGLE, R. W. How to adjust a fertilizer spreader. Successful Farming 50(11):50. Nov.1952. 6 Su12

17377 KSENOFONTOV, G. A., and DOBROVOL'SKIĬ, P. M. Mechanization in planting grapes. (In Russian.) Vinodel. i Vinograd. 4:49-51. Apr.1952. 95.8 V77

17378 LUDECKE, H. Können die reihenabstände im zuckerrübenbau genormt werden? Deut. Landwirt.-Gesell. Mitt. 67:685-687. Sept.27,1952. 18 N39
In relation to track width of equipment.

17379 MERKULOV, M. D. Combined SZTK-47 grain and forage plant sowing machine. (In Russian.) Sel'khozmashina 9:17-18. Sept.1952. 58.8 Se42

Harvesting Equipment

17380 ALTUKHOV, M. K., and KLEMM, N. V. Physico-chemical properties of kok-saghyz as a basis for designing harvesting machines. (In Russian.) Sel'khozmashina 6:18-21. June 1952. 58.8 Se42

17381 ARMS, M. F., and HURLBUT, L. W. An experimental harvester for castor seed. Agr. Engin. 33:784-786,790. Dec.1952. 58.8 Ag83

17382 BANK, K. Potato harvesters in England. (In Danish.) Dansk Landbr. 71:584-587. Nov.27,1952. 280.28 V91

17383 BAREISS, G. Fliessernte auch bei futterrüben. Landtechnik 7:615. Oct.31,1952. 58.8 L235

17384 BATEMAN, H. P., PICKARD, G. E., and BOWERS, W. Corn picker operation to save corn and hands. Ill. Agr. Col. Ext. C. 697,11 p. Aug.1952. 275.29 IL62C

17385 BELASH, G. Utilization of capacities of the general [engine] governor in harvesting grain with attached combines. (In Russian.) Tekhsovety MTS 13(19/20):13-16. May 1952. 58.8 T233

17386 BOSOĬ, E. S. Height of the section of cutting devices in harvesting machines. (In Russian.) Sel'khozmashina 5:8-13. Ref. May 1952. 58.8 Se42

17387 BROFALK, G. Combine harvesting, drying and storage. (In Swedish.) Lantmannen 36:832-833. Oct. 18,1952. 11 L234
Grain.

17388 COMBINE harvesting and drying [of grain]. (In Swedish.) Lantmannen 36:866-869. Oct.25,1952. 11 L234
Articles by various authors.

17389 DILLON, M. Harvest home. Agr. Ireland 9: 253,255. Nov.1952. 10.5 Ag8
Harvesting equipment.

17390 ELEMA, H. M. Machines voor de maisoogst. (Machines for maize harvesting). Inst. v. Landbtech. en Rationalisatie. P. 22,35 p. Sept.1952. 58.9 W12
English summary.

17391 EREMEEV, I., and MEL'NIKOV, G. Utilization and repair of SKEM-3 [sugar] beet combine. (In Russian.) Tekhsovety MTS 13(29/30):1-9. Aug.1952. 58.8 T233

17392 FALLOLA, C. La recolección mecánica del heno. Siembra [Madrid] 8(7):10-13. July 1952. 15 Si1

17393 FARMER, S. Perfect stone separation is not yet in sight. Power Farmer 9:177-179,188. Nov.1952. 58.8 P872
Potato harvester trials.

17394 FILATOV, K. V., and ROSLOV, ÎU. A. Utilization of electric drive for hay harvesting machines. (In Russian.) Sel'khozmashina 6:6-8. June 1952. 58.8 Se42

17395 FOLTINEK, H. Mechanisierung der zuckerrübenernte. Osterr. Landtech. 5:223-226. Aug./Sept. 1952. 58.8 L236

17396 GAUS. Neues vom frontmähenden garbenbinder. Landtechnik 7:604-605. Oct.31,1952. 58.8 L235

17397 GAZDAROV, M. Organizing the harvest of sugar beets with the three-row beet combine SKEM-3. (In Czech.) Za Socialist. Zeměděl. 2:899-912. Aug. 1952. 19.5 Z1

17398 GENTSCH, and LANGNER. Der einachser mäht. Landtechnik 7:606-608. Oct.31,1952. 58.8 L235

17399 GLUKHIKH, E. A. On type of potato-harvesting combine for hard soils. (In Russian.) Sel'khozmashina 9:12-14. Sept.1952. 58.8 Se42

17400 HOLEKAMP, E. R., and FROST, K. R. Machine or hand picking? Cotton harvesting efficiencies studied. Prog. Agr. Ariz. 4(3):5,11. Oct./Dec.1952. 6 P9452

17401 HOOGLAND, E. J. A. Beet harvesting equipment and their efficient use. (In Dutch.) Nieuwe Veldbode 18:768-769. Aug.28,1952. 12 V542N

17402 HOSTERMAN, W. H. High-grade alfalfa hay; methods of producing, baling, and loading for market. U. S. D. A. Farmers' B. 1539,rev.,29 p. June 1952.

17403 KALVERKAMP, U. D. Potato harvesting equipment. (In Dutch.) Boerderij 36(49):1-3. Sept.3,1952. 12 B63

17404 KEPNER, R. A. Analysis of the cutting action of a mower. Agr. Engin. 33:693-697,704. Nov.1952. 58.8 Ag83

17405 KLIŬCHNIKOV, A. I., and MERKULOV, M. D. Machines for harvesting peanuts. (In Russian.) Sel'khozmashina 7:3-6. July 1952. 58.8 Se42

17406 KOGAN, S. M. Width of the grip and advancing speed of the grain harvesting combine. (In Russian.) Sel'khozmashina 9:3-7. Sept.1952. 58.8 Se42

17407 LASSCHUIT, J. A. Mechanical tea picking. (In Dutch.) Bergcultures 21:369-370. Sept.16,1952. 22.5 B45

17408 LILJEDAHL, J. B., and RICHEY, F. D. Tennessee hybrids 'OK' for pickers. Tenn. Agr. Expt. Sta. Prog. Rpt. 3:5. July/Sept.1952. 100 T25F
Mechanical corn pickers.

17409 MERTENS. Neue kartoffelroder stellten sich vor. Hannoversche Land- u. Forstwirt. Ztg. 105:928-929. Sept.13,1952. 18 H194

17410 MIGNOTTE, F. La première journée nationale du moissonnage-battage. Agriculture [Paris] 16:215-217. Sept.1952. 14 Ag823

17411 NEUMANN. Hinweise für die kommende zuckerrübenernte. Landwirtbl. Weser-Ems 99:1032-1034. Oct.9,1952. 18 L2345
Equipment.

17412 OLSEN, E. Harvesting of potatoes. (In Danish.) Jydsk Landbr. 34:603-606. Sept.11,1952. 11 J99
Equipment.

17413 PANIN, A. F., and LEBEDEV, M. F. Flattening and pressing down straw in the stackers of harvesting assemblies. (In Russian.) Sel'khozmashina 5:19-22. May 1952. 58.8 Se42
Equipment.

17414 PESARO, A. Harvesting machinery. (In Italian.) Macch. e Motori Agr. 10:865-883. Sept.1952. 58.8 M13

17415 PODLIPENSKIĬ, S. Attachments to combines for harvesting lodged cereals. (In Russian.) Mashinno-Traktornaîa Sta. 12(5):21-24. May 1952. 58.8 M11

17416 PODLIPENSKIĬ, S. ÎA. Agrotechnical conditions in harvesting lodged cereals with combines. (In Russian.) Sel'khozmashina 5:15-18. May 1952. 58.8 Se42

17417 POPOV, N. New machines for harvesting and preliminary processing of cotton. (In Russian.) Tekhsovety MTS 13(31/32):1-9. Aug.1952. 58.8 T233

17418 SCHROEDER, E. W., and REED, I. F. Developing tractor-mounted castor bean harvesters. Agr. Engin. 33:775-776,779. Dec.1952. 58.8 Ag83

17419 SCOTT, I. Potato picking panacea. New Eng. Homestead 125(21):24-25. Nov.8,1952. 6 N442
Potato harvester.

17420 SKORIN, P. F., and PIRTSKHALAĬSHVILI, S. KH. New tea harvesting machine. (In Russian.) Sel'khozmashina 4:12-14. Apr.1952. 58.8 Se42

17421 SOMMERKAMP. Der wert des sammelroders in der zuckerrübenernte. Deut. Landwirt.-Gesell. Mitt. 67:687-688. Sept.27,1952. 18 N39

17422 STĚPÁNEK, J. Experiences in training combine operators. (In Czech.) Za Socialist. Zeměděl. 2:676-677. June 1952. 19.5 Z1
Czechoslovakia.

17423 STROOKER, E. Combines, use and rebuilding of a reaper into a combine. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:347-352. Sept.1952. 12 N383M

17424 THOMSON, B. C. New harvester. (Sum.) Soc. Auto. Engin. SAE J. 60(12):63. Dec.1952. 291.9 So1
Sugarcane

17425 WARDLE, N. Corn harvest clinics. Farm Safety Rev. 10(6):6-7. Nov./Dec.1952. 449.8 F22
Accident prevention.

17426 WESETH, G. Potato harvesting problems. (In Norwegian.) Norsk Landbr. 18:377-379. Oct.24,1952. 11 N8122
Equipment.

17427 WIELAND, F. Quebec's new sweet crop. Canad. Tractor Farming 34(1):12-13. 1952. 58.8 C162
Mechanical harvesting of sugar beets.

17428 ZAVALISHIN, F. S. In regard to evaluating straw harvesting equipment. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(10):42-48. 1952. 20 Ak1

17429 ZHUK, ÎA. M. On operation of Stalinets-8 attachable grain harvesting combines in 1951. (In Russian.) Sel'khozmashina 5:3-8. May 1952. 58.8 Se42

Land Clearing Equipment

17430 KANATOV, O. B., and ÎARUSHIN, M. I. From the experiment in the mechanization of excavation work in the construction of the Kuban-Egorlyk irrigation system. (In Russian.) Gidrotekh. i Melior. 4(8):47-54. Aug.1952. 290.8 G362
Land clearing equipment.

17431 LAYCOCK, G. Land clearing. Farm Q. 7(4): 48-51,111-115. Winter 1952. 6 F22995
Equipment.

17432 MEGAVORÎAN, L. O. Mechanization of stump removal work. (In Russian.) Lesn. Khoz. 5(3):47-52. Mar.1952. 99.8 L5622

17433 VALDAĬSKII, N. P. Utilization of equipment in land clearing during forest melioration by drainage. (In Russian.) Lesn. Khoz. 5(4):68-72. Apr.1952. 99.8 L5622

Processing Equipment Used on the Farm

17434 ARCHIBALD, J. G. Weather, hay, and storage. Res. Rev. [Mass. Sta.] 1:10-11. Jan.1952. 100 M38R

17435 BAKER BROTHERS. Mechanisation and use of silage on a South Canterbury farm. Lincoln Col. Farmers' Conf. Proc. 1952.89-94. 27 L63
Includes discussion.

17436 BIEWINGA, D. T. Shocks, drying frames and hay ricks. (In Dutch.) Netherlands. Dir. van de Wieringemeer. Verslag 15:19-30. 1952. 290.9 N382

17437 BLASCH. Zum verständnis der schnurreutermethode. Osterr. Landtech. 5:203. July 1952. 58.8 L236

17438 BROWN, C. A. C., and FINN-KELCEY, P. G. Drying on the farm. (Sum.) Elect. Times 122:976-977. Nov.27,1952. 335.8 EL26
Grass, hay, and grain.
Includes discussion.

17439 BROWN, W. O., and ROBINSON, K. L. The composition and digestibility of Northern Irish hays. III. Factors influencing the production of high-quality hays. J. Agr. Sci. 42:362-368. Oct.1952. 10 J822

17440 DOBIE, J. B. Suction blower empties mow; it carries chopped hay through molasses mixer and drops it into feed cart. Elect. Farm. Mag. 25(10):10-11. Dec.1952. 335.8 EL27

17441 FARIS, L. M. 1952 trends in alfalfa dehydrating. Feedstuffs 24(47,spec.alfalfa sect.):36a. Nov.22, 1952. 286.81 F322

17442 HAMANN, E. Noch einmal: häckselhof. Osterr. Landtech. 5:229-232. Aug./Sept.1952. 58.8 L236

17443 HECKL, R. Getreidebergung und getreidetrocknung. Osterr. Landtech. 5:191-194. July 1952. 58.8 L236

17444 HOFMANN. Störungen an dreschmaschinen und deren behebung. Landmasch.-Markt 31:592-593. Sept.18,1952. 58.8 L239

17445 HOLMAN, L. E. You can improve on nature by using modern ways of drying grain. Elect. Farm Mag. 25(8):10-12,14-16,32-34. Oct.1952. 335.8 EL27
Equipment.

17446 IVANOV, A., SERAFIMOVICH, L., and GALDIN, M. Complex mechanization of feed preparation. (In Russian.) Mashinno-Traktornaîa Sta. 12(5):3-6. May 1952. 58.8 M11

17447 KONOPLEV, N. A. How to reconstruct the RSB-1,O straw and silage cutter for chopping forage plants as feed for poultry. (In Russian.) Ptitsevodstvo 8: 23-25. Aug.1952. 47.8 P95

17448 KOSTLIN, A. The chopper-blower system, German experiments in fodder handling. Farm Mech. 4: 430-431. Nov.1952. 58.8 B772

17449 LAESTADIUS, R. How does the grain dryer work? (In Swedish.) Lantmannen 36:836-838,845. Oct. 18,1952. 11 L234

17450 LARSEN, H. Artificial drying. (In Danish.) Tolvmandsbladet 24:238-240. Sept.1952. 11 T58

17451 LIEBSCHER, W. Kleinversuch mit der heubelüftung. Osterr. Landtech. 5:199-200. July 1952. 58.8 L236

17452 MAKAROV, A. Mechanized processing of feed on collective farms. (In Czech.) Za Socialist. Zeměděl. 2:285-292. Mar.1952. 19.5 Z1
Czechoslovakia.

17453 MENIS, Y. Potato sorting machines, locally made. (In Hebrew.) Hassadeh 32:522-523. Aug./Sept. 1952. 26 H27

17454 MITCHELL, F. S., and SHEPPERSON, G. Saving a day when making hay; report on trials with new grass-crushing machines. Dairy Farmer [Ipswich] 25 (11):14. Nov.1952. 44.8 D1414

17455 POTTS, M. W. Materials handling "down on the farm." Distrib. Age 51(12):20-23,58. Dec.1952. 288.8 T68
Equipment.

17456 SCHMIDT, H. What makes alfalfa quality in processing. Feedstuffs 24(47,spec.alfalfa sect.):16a. Nov.22,1952. 286.81 F322
Drying.

17457 SCHOLTEN, B. J. H. Barn haying, new method of making hay. (In Dutch.) Overijsselsch Landbbl. 34 (1676):16. Oct.16,1952. 12 Ov2

17458 SHEPARDSON, E. S. Chop grape prunings in the vineyard. Farm Res. [N. Y. State Sta.] 18(4):8. Oct. 1952 100 N48A
Equipment.

17459 STEVENS, H. M. Growers and dehydrators work together. Feedstuffs 24(47.spec.alfalfa.sect.):8a. Nov.22,1952. 286.81 F322
Alfalfa drying.

17460 TROYER, B. L. Save time-save money-save work; this farmer's feed grinding and mixing equipment does all three. Elect. Farm. Mag. 25(10):14,16. Dec. 1952. 335.8 EL27

17461 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Drying shelled corn and small grain with heated air. U. S. D. A. L. 331,12 p. Sept.1952. 1 Ag84L

17462 URBAN, H. Hackselstroh sport arbeit. Landwirt. Wchnbl. 142:1334. Nov.22,1952. 18 L2338

17463 VAN CLEVE, R., and DEFOREST, S. S. You can build yourself an automatic feed-grinding system. Successful Farming 50(12):51,102-103. Dec.1952. 6 Su12

Repair, Maintenance, and Construction Equipment

17464 CRADOCK, T. H. Farm mechanization handbook. Ed. 2. London,Temple Press,1952. 339 p. 58 C84
Maintenance and repair

17465 FUFAEV, A. M. Assembly line method repairs at the tractor yard of the Yershov Forest Conservation Station. (In Russian.) Les i Step' 4(1):43-46. Jan.1952. 99.8 L565
Equipment.

17466 PRILIPP, W. Werkstattausbildung der amerikanischen landjugend. Landtechnik 7:621-622. Oct.31,1952. 58.8 L235

Spraying and Dusting Equipment

17467 BUSH, R. An artificial fog for glasshouse and orchard use. Grower [London] 38:872-874. Nov.1,1952. 286.83 M34
Swing-fog machine.

17468 CHAÏKO, I. Utilization of OPM horse-drawn motorized duster mounted on a truck. (In Russian.) Mashinno-Traktornaîa Sta. 12(5):28-29. May 1952. 58.8 M11

17469 FEDOROV, V. A. Something new in the mechanization of plant protection. (In Russian.) Sel'khozmashina 4:2-4. Apr.1952. 58.8 Se42
Spraying and dusting equipment chiefly.

17470 GRANDIDIER, P. L'adaptation des matériels du sulfatage aux mauvaises conditions atmosphériques. Agriculture [Paris] 16:219. Sept.1952. 14 Ag823
Fungicide spraying equipment.

17471 HENSILL, G. S., and LELAND, S. J. Lindane converters for insect control. Soap & Sanit. Chem. 28 (11):119-121,141,143. Nov.1952. 307.8 So12

17472 KUNDERT, J. Demonstration von neueren spritzgeräten. Schweiz. Z. f. Obst- u. Weinbau 61:480-482. Nov.15,1952. 80 Sch9

17473 LUND, O. Use of motor sprayers in commercial orchards. (In Norwegian.) Gartneryrket 42:706. Oct.11,1952. 80 G1938

17474 MEÏSAKHOVICH, ÎA. A. In regard to choosing an air blower for the pneumatic sprayers. (In Russian.) Sel'khozmashina 4:9-11. Apr.1952. 58.8 Se42

17475 MICHELBACHER, A. E., MIDDLEKAUFF, W. W., and AKESSON, N. B. Power tomato duster money saver. West. Grower & Shipper 23(12):127. Nov.1952. 280.38 W52

17476 PAVLOVSKIÏ, I. V. Investigation of air currents in dusters. (In Russian.) Sel'khozmashina 4:11-12. Apr.1952. 58.8 Se42

17477 SCHUTZ, K. Ein neues mehrzweckgerät zum sprühen und stäuben. Landtechnik 7:616-617. Oct.31, 1952. 58.8 L235

17478 SNEGOVSKIÏ, I. F. To improve the dosing mechanisms of agricultural dusters. (In Russian.) Sel'khozmashina 4:7-9. Apr.1952. 58.8 Se42

17479 TUKEY, L. D. and WILLIAMS, O. A versatile sprayer for experimental purposes. Amer. Soc. Hort. Sci. Proc. 59:343-348. June 1952. 81 So12

Vehicles

17480 ALMEIDA LEME, H. DE. Conservación de tractores. Uruguay. Min. de Ganad. y Agr. B. Inform. 432:7. Sept.11,1952. 9.9 G15B

17481 BABUK, V., and others. Repair and fitting of block and cylinder caps of DT-54 tractor. (In Russian.) Tekhsovety MTS 13(33/34):1-11. Sept.1952. 58.8 T233
A. Kalashnikov, F. Maksimchuk, and G. Samsonenko, joint authors.

17482 BERGLUND, N. Use of direct drive carts in agriculture. (In Swedish.) Lantmannen 36:952-954. Nov. 22,1952. 11 L234

17483 BERING, K. Placement of hitches on our farm tractors. (In Norwegian.) Skogeieren 39:109-111. Aug. 15,1952. 99.81 Sk5

17484 CHUDAKOV, D. A. Issledovanie raboty traktorov s navesnymi sel'skokhozîaĭstvennymi orudiîami [Investigation of operation of tractors with mounted agricultural equipment]. Moskva,Gos. Nauch.-Tekhn. Izd-vo Mashinostroitel'noĭ Lit-ry,1951. 79 p. Ref. (Gosudarstvennyĭ Soîuznyĭ Nauchno-Issledovatel'skii Traktornyĭ Institut NATI. [Publications] 5) 58 C47

17485 DELLENBACH, P. Les essais des tracteurs vignerons. Motorisation Agr. 7:353,355. Sept.1952. 58.8 M85

17486 GALINDO, A. Tractores o ganados? Ceres [Valladolid] 17(195):16-17. Sept.1,1952. 15 C33

17487 GERMANY. FEDERAL REPUBLIC. STATISTICHES BUNDESAMT. Maschinenverwendung in den land- und forstwirtschaftlichen betrieben. 2. Ergebnisse der schleppererhebung vom 14. April 1950. Germany. Statis. Bundesamt. Statis. der Bundesrepub. Deut. 25, 410 p. Oct.1952. 265 G318

17488 HEIMPEL, L. G. Standardizing farm tractors. Family Herald & Wk. Star 83(42):24. Oct.6,1952. 7 F21

17489 HEYDEN, D. Ein neues universal-transportgerät. Forst u. Holz 7:237. Sept.1,1952. 99.8 F7724

17490 HUNT, J. E. Preventive maintenance of a farm tractor. Agr. Gaz. N. S. Wales 63:469,480-481. (Cont.) Sept.1952. 23 N472

17491 HURST, H. Nebraska tractor tests. IV. Farm Impl. News 73(21):60-61,115. Nov.10,1952. 58.8 F22

17492 ĬANOVSKIĬ, I. More attention should be paid to technical care of tractors. (In Russian.) Les i Step' 5:49-51. May 1952. 99.8 L565

17493 ISON, F. M. Power steering will spur tractor sales. (Extr.) Impl. Rec. 49(12):34. Nov.1952. 58.8 Im73

17494 KRIEBEL, M. Auf den reifen kommt es an! Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1911-1912. Nov.20,1952. 18 L2346
Farm wagons.

17495 LARSSON, F. Fuel for 80.000 tractors should be secured; storage tanks for motor fuel for farms. (In Swedish.) Lantmannen 36:883-884. Nov.1,1952. 11 L234

17496 LASSCHUIT, J. A. Skidding of tractors. (In Dutch.) Bergcultures 21:364-367. Sept.16,1952. 22.5 B45
Discussion, by A. P. A. Vink, p. 367, 369.

17497 LYSHKO, G. P. Ways to improve the utilization of Diesel tractors. (In Russian.) Les i Step' 4(7): 44-49. July 1952. 99.8 L565

17498 PALTY, Y. Using airplanes for plantation care. (In Hebrew.) Hassadeh 32:540-541. Aug./Sept. 1952. 26 H27

17499 PAULHUS, N. G., and DELLE DONNE, F. P. Hand truck tricks. Mktg. Activ. 15(9):6-7. Sept.1952. 1.942 A8M34
Egg-case trucks.

17500 PIETRABISSA, E. Methane in agricultural motors. (In Italian.) Terra e Sole 122:332-333. Oct. 1952. 16 T273

17501 PREUSCHEN, G. Wo fehlen noch kenntnisse? Traktor 3:201-203. Sept.1952. 58.8 T677
Tractors.

17502 SMIRNOV, N. I., and ROSHCHANOVSKIĬ, B. V. Universal SNIIGiM assembly for reclamation work mounted on S-80 tractor. (In Russian.) Gidrotekh. i Melior. 4(3):36-47. Mar.1952. 290.8 G362

17503 ŠTARIKOV, M. GB-58 gas-producing tractor. (In Russian.) Tekhsovety MTS 13(39/40):1-15. Oct.1952. 58.8 T233

17504 WEHRLE, R. P. Measurements in tractor design and development. Instruments 25:1582-1586. Nov.1952. 297.8 In72

17505 WETZEL, G. F. Causes of bearing failure. Farm Impl. News 73(23):58-59,104. Dec.10,1952. 58.8 F22

17506 WILSON, M. A. The development of agricultural tractor and implement tyres. Inst. Brit. Agr. Engin. J. 9:2-19. July 1952. 58.9 In7
Includes discussion.

FARM STRUCTURES AND RURAL HOUSING

17507 ASHBY, W. Current research and developments in farm structures. Agr. Engin. 33:770-774,779. Ref. Dec.1952. 58.8 Ag83

17508 BREITENBACH, C. Worauf beim wiederaufbau landw. betriebe besonders zu achten ist. Bas-Rhin Agr. 7:477. Oct.11,1952. 14 B29
Buildings.

17509 CARTER, D. G. Progress in farm building mechanization. Agr. Engin. 33:707. Nov.1952. 58.8 Ag83

17510 GRIN'KO, F. We're building only from brick. (In Russian.) Sel'sk. Stroitel' 7(3):2-3. May/June 1952. 296.28 Se4
Building construction on Molotov Collective Farm, Shipunov District, Altai Territory.

17511 KHOVANSKIĬ, N. Construction of service buildings on a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(10):50-52. Oct.1952. 281.8 K83

17512 KOLESNIKOV, I. We shall fulfill the annual plan on time. (In Russian.) Sel'sk. Stroitel' 7(3):11. May/June 1952. 296.28 Se4
Building construction.

17513 KORENEV, P. D. Results of [building] construction on Karakul [sheep] raising state farms for 1951 and problems in 1952. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):8-11. Mar./Apr.1952. 49 K14

17514 REISMANN, H. G. Arbeitswirtschaftlich richtig und billig umbauen. Landwirt. Wchnbl. 142: 1338-1339. Nov.22,1952. 18 L2338

17515 STRATTON, D. Wooden sheds. Scot. Agr. 32: 90-92. Autumn 1952. 10 Sco82So

17516 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Publications helpful in building, remodeling and repairing farm structures, and related subjects. U. S. Bur. Plant Indus., Soils & Agr. Engin. Inform. Ser. 68,rev.,5 p. Oct.1952. 1.9 R531I

Animal Shelters and Animal Service Buildings

17517 BEACON MILLING CO. Beacon plans for a battery rearing plant and a laying cage plant. Cayuga, 1951? 4 p. 47 B35Bea

17518 BEACON MILLING CO. The Beacon single story 128 x 30 ft. laying house adapted from Cornell University design. Cayuga,1951? 3 pieces. 47 B35Bs

17519 BONZER, B., and LUBINUS, L. Modern poultry housing, with plans for the new South Dakota laying house. S. Dak. State Col. Agr. Ext. C. 481,8 p. June 1952. 275.29 So85

17520 BRANN, V. H. Houses for layers. Agr. Gaz. N. S. Wales 63:498-502. (Cont.) Sept.1952. 23 N472

17521 CARLSSON, C. E. Ventilation of barns. (In Sweden.) Örebro Läns Hushsällsk. Årsskr. 1952:5-8. 1952. 11 Or3

17522 DUNCAN, C. H. Tailor-made for tenants; here is a portable grade A dairy barn that a tenant can move with him. Hoard's Dairyman 97:936. Nov.25, 1952. 44.8 H65

17523 EMEL'ĬANOV, D. G. More extensive construction of adobe poultry houses in the North and South [U.S.S.R.]. (In Russian.) Ptitsevodstvo 7:24-26. July 1952. 47.8 P95

17524 EMEL'ĬANOV, I. We shall build livestock buildings first. (In Russian.) Sel'sk. Stroitel' 7(3):8. May/June 1952. 296.28 Se4
Timiriazev Collective farm in Gorodetskiĭ Raion, Gorki Region.

17525 ERB, R. E., ROBERTS, J., and MURDOCK, F. R. Raising dairy calves in open sheds. Wash. State Col. Ext. C. 211,7 p. Oct.1952. 275.29 W27C

17526 FARNELL, T. A. Planning better barns and stables. Canad. Farm Impl. 48(10):14,16. Oct.1952. 58.8 C163

17527 HARDIN, L. S. Your barn can work for you. Country Gent. 122(11):24-25,68. Nov.1952. 6 C833
Building and remodeling suggestions.

17528 HARTMAN, R. C. 48-foot wide slat fryer house. Pacific Poultryman 56(6):11,41-44. June 1952. 47.8 P112

17529 KALBFLEISCH, W., LOGAN, V. S., and WHITE, J. W. Loose housing of dairy cattle. Canada. Dept. Agr. P. 874, 39 p. May 1952. 7 C16 Pu

17530 KULKE, E. Melkstände und ihre einrichtung. Hannoversche Land- u. Forstwirt. Ztg. 105:874-875. (Cont.) Aug.30,1952. 18 H194

17531 LAMPTON, D. Shelter for your horse. West. Horseman 17(12):27. Dec.1952. 42.8 W522

17532 LEUSCHNER, F. H. Proper insulation pays off during all seasons. Broiler Growing 3(11):16-17,63-65. Nov.1952. 47.8 B782
Poultry houses.

17533 LYSOV, M. V. Compressor disinfecting equipment [for animal quarters]. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):76-77. Mar./Apr.1952. 49 K14

17534 MCDANIEL, W. E., and SMITH, R. C. How does crowding affect profits? Broiler Growing 3(11):11, 51. Nov.1952. 47.8 B782

17535 MANGUS, H. D. A pole type house for turkeys. Amer. Poultry J. 83(11):7,24. Nov.1952. 47.8 Am32

17536 MANN, D. H. An all-purpose farm building. Utah Farmer 72:923,952. Nov.20,1952. 6 D45
Barn.

17537 MAUBECIN, R. A., and SALES, F. Explotación y cria del ganado caprino en el Noroeste Argentino; el corral de encierro. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:262-269. 1951/52. 9 Ag874

17538 MELCHIOR, F. B., JR. Gable roof open laying house. Pacific Poultryman 56(6):9,38-39. June 1952. 47.8 P112

17539 OBER, J. Elektroventilator oder abluftschacht im viehstall? Landwirt. Jahrb. f. Bayern 29: 538-543. Sept./Oct.1952. 18 L24

17540 OREGON. STATE COLLEGE. ANIMAL HUSBANDRY DEPT. Hog houses and equipment. Oreg. State Col. Ext. B. 727,15 p. Aug.1952. 275.29 Or32B
Oregon State College, Agricultural Engineering Department cooperating.

17541 PEROTTI, R. M. Al proyectar el gallinero. Argentina Min. de Agr. y Ganad. Almanaque 26/27: 281-282. 1951/52. 9 Ag874

17542 PRESTON, T. T. Modern bull pen. Jersey B. 71:1658. Nov.25,1952. 43.8 J48

17543 PROMERSBERGER, W. J., and BRYANT, R. L. Forced vs. natural draft ventilation in poultry houses. Agr. Engin. 33:782-783. Dec.1952. 58.8 Ag83

17544 RAE, W. J., and PAYNE, F. E. Poultry house for cold climate. Canada Poultryman 39(10):7-10,34-35. Oct.1952. 47.8 C166

17545 REISMANN, H. G. Ein schwedischer einraumstall. ALB Mitt. 3:41-42. May/June 1952. 296.8 Ar1

17546 SANCTUARY, W. What is necessary for good broiler house ventilation? Broiler Growing 3(12):12-13, 28-30. Dec.1952. 47.8 B782

17547 SCHLEWSKI, G. Ein neuentwickeltes stallfenster. ALB Mitt. 3:46. May/June 1952. 296.8 Ar1

17548 TRAVIS, B. J. There's a cow in the parlor! Internatl. Harvester World 43(11):11-14. Nov.1952. 58.8 H26

17549 VAN VLACK, C. H. Farm building ventilation. (Excerpts.) Iowa Vet. 23(6):9-11. Nov./Dec.1952. 41.8 Io9

17550 VIAZ'MIN, P. M. Construction of livestock buildings on the collective farms in Bogorodskii Raion [Gorki Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(5):82-83. May 1952. 49 So71

17551 VOLCHKOV, V., and ELIASHVILI, A. A reed vaulted pen [for sheep]. (In Russian.) Sel'sk. Stroitel' 7(3):9-10. May/June 1952. 296.28 Se4

17552 WAPLINGER. Geflügelstall für 8 hühner type "Liliput." Österr. Kleintierzüchter 17/18:135-136. Sept.1952. 49 Os7

Farmhouses and Farmsteads

17553 CARTER, D. G., and CORBIN, M. R. Development of cooperative farm housing research in the North Central Region. Ill. Agr. Col. Ext. C. 699,24 p. Sept. 1952. 275.29 IL62C

17554 CAVE, F. J. The Housing Act, 1952, and the Town Development Act, 1952. Roy. Inst. Chartered Surveyors. J. 32:337-343. Nov.1952. 282.9 C38J
Rural.

17555 DAVIDSON, B. Britain's homes. III. The rural underground. New Statesman & Nation 44:595. Nov.22,1952. 280.8 N2132

17556 DENOZIERE. La contribution du Ministère de l'Agriculture à l'amélioration de l'habitat rural. Bas-Rhine Agr. 7:476. Oct.11,1952. 14 B29

17557 FERREYRA, L. G. Galpones y tinglados. Chacra 23(264):64. Nov.1952. 9 C34
Argentina.

17558 HODGE, C. H. In Northumberland's farm homes. Farmer's Mag. 49(10):16-17. Oct.1952. 7 C165

17559 JUNG, A. Neues wohnen - besseres wohnen. Bas-Rhin Agr. 7:478-479. Oct.11,1952. 14 B29

17560 JUNG, J. L'habitation de l'exploitant agricole. Bas-Rhin Agr. 7:483. Oct.11,1952. 14 B29

17561 RIDDER, C. A. Basic distances in 100 farm homes for preparing and serving food and washing dishes. N. Y. (Cornell) Agr. Expt. Sta. B. 879,78 p. Ref. Sept. 1952. 100 N48C

17562 RUDEL, E. Das wohnhaus des bauern. Landwirtschaft 19/20:305-306. (Cont.) Oct.1952. 19 L235
Austria.

17563 RUDEL, E. Das wohnhaus des bauern. Landwirtschaft 21/22:340-341. (Cont.) Nov.1952. 19 L235
Austria.

17564 STEPHENSON, B. L. Post-war housing in rural areas. Roy. Sanit. Inst. J. 72:740-748. Nov.1952. 449.9 R812

17565 THIS modern farm house serves today's farm needs. Amer. Builder 74(11):148-151. Nov.1952. 296.8 Am3
Designs.

17566 THORPE, A. C., and GROSS, I. H. Family use of farm homes; a study of activities carried on by and preferences of family members. Mich. Agr. Expt. Sta. Tech. B. 227,63 p. Apr.1952. 100 M58S

Greenhouses and Plant Service Buildings

17567 CANHAM, A. E. Electrical soil warming for salad crops in frames. Leatherhead,Brit. Elect. & Allied Indus. Res. Assoc.,1952. 9 p. (British Electrical and Allied Industries Research Association. Technical Report. Reference W/T 24) 90.13 C16

17568 HOOF, J. VAN. La distribution publique de chaleur aux exploitations de viticulture sous verre. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.145-152. Hoeilaart,Gemeentehuis,1951. 95.09 In82

17569 HOOF, J. VAN. "District heating" for greenhouse grape culture. (In Dutch.) In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.153-161. Hoeilaart,Gemeentehuis,1951. 95.09 In82
English summary.

17570 LAWRENCE, W. J. C. Natural illumination in glasshouses. In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.141-142. Hoeilaart, Gemeentehuis,1951. 95.09 In82

17571 SEARLE, S. A. Air and soil temperatures in the glasshouse.(Sum.) Grower [London] 38:1147. (Cont.) Dec.6,1952. 286.83 M34

Materials and Methods

17572 LASTOCHKIN, D., and RUZIN, V. Construction [farm buildings] from concrete blocks. (In Russian.) Sel'sk. Stroitel' 7(3):5-6. May/June 1952. 296.28 Se4

17573 TINGAEV, N. Utilization of large pore concrete on collective farms in Crimea. (In Russian.) Sel'sk. Stroitel' 7(3):4-5. May/June 1952. 296.28 Se4

17574 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Plaster and plastering. U. S. Bur. Plant Indus., Soils & Agr. Engin. Inform. Ser. 32,slightly rev.,6 p. Oct.15,1952. 1.9 R531I

Storage Structures

17575 FINN-KELCEY, P. G., and DOW, J. A. Grain bin ventilation and pneumatic conveying with the same fan. Farm Mech. 4:433-436. Nov.1952. 58.8 B772

17576 FORTY ft. glass jar. Farm Q. 7(4):43,88-90. Winter 1952. 6 F22995
The Harvestore, a glass-lined, air-tight crop container.

17577 GRIFFING, J. B. Silos trinchera. Hacienda 47(11):42-45. Nov.1952. 6 H11

17578 GROVES, D. E. There's more than one way to put King Corn in his place! Ohio Farmer 210(9):2-3,36-37. Nov.1,1952. 6 Oh3
Construction of storage space, drying equipment, and mechanical harvesters.

17579 HESSELTINE, W. R., and FELLOWS, I. F. Gas-tight silos. Conn. Agr. Col. Ext. Folder 57,6 p. Jan.1952. 275.29 C76Ex

17580 HOARD, B. Wenatchee orchardist believes small cold storage plant is feasible. West. Fruit Grower 6(12):21-22. Dec.1952. 95.8 G762

17581 LAURSEN, E. Protection of silos against acids. (In Danish.) Jydsk Landbr. 34:647-649. Sept.25, 1952. 11 J99

17582 MANN, G. The ventilation of farm buildings used for the storage of fruit and vegetables. Gt. Brit. Min. Agr. Agriculture 59:335-338. Oct.1952. 10 G79J

17583 NEITZKE, C. H. A look at silo unloaders; another link in the chain toward automatic feeding of roughage. Elect. Farm Mag. 25(8):8-9. Oct.1952. 335.8 EL27

17584 SOUČEK, K. F. Simple silo construction. (In Czech.) Za Socialist. Zeměděl. 2:455-461. Apr.1952. 19.5 Z1

17585 TOUBRO, P. Construction of grain silos. (In Danish.) Jydsk Landbr. 34:632-639. Sept.18,1952. 11 J99

Walls and Fences

17586 INGENUITY can solve your fencing problem. West. Livestock J. 30(58):56,94. Oct.15,1952. 6 F2278

17587 MARSHALL, B. The five-barred gate; its importance to farmer and food production. Roy. Lancashire Agr. Soc. J. 1952:17-21. 10 L22

17588 SCHNEIDER, V. Answers to your problem spots in fencing. Successful Farming 50(12):48-49. Dec. 1952. 6 Su12

17589 SCHNEIDER, V. Some successful new ideas in fencing. Successful Farming 50(11):32-33,64. Nov.1952. 6 Su12

17590 THIEULLOY, E. DE. La cloture en treillage de chataignier. Mouton 7:89-90. Aug./Sept.1952. 45.8 M86

FARM UTILITIES

Electricity and Electrification

17591 BROWN, C. A. C. Farm electrification in the United Kingdom. Brit. Agr. B. 5:212-216. Nov.1952. 10 B776

17592 HALL, H. W. Farm Bureau and rural electrification. Nation's Agr. 27(11):4-6. Dec.1952. 280.82 B89

17593 HUNDLEY, J. C. Co-op written policy, a key to good management. Rur. Electrif. News 18(3/4):9. Oct./Nov.1952. 173.2 R88Ru
Electric cooperative.

17594 LLOYD, J. R. The "all electric" farm: planning the use of electricity. Agr. Gaz. N. S. Wales 63:470-473. (Cont.) Sept.1952. 23 N472

17595 MATHEWS, M. Our electric farming campaign gets results. Rur. Electrif. News 18(3/4):4-8. Oct./Nov.1952. 173.2 R88Ru

17596 RUTLEDGE, P. R. The story of electric service for the farmer. Albany,Delmar,1951. 68 p. 335 R93

17597 SCHWAN. Warum Panzer-isolierstoff? Traktor 3:216-217. Sept.1952. 58.8 T677

17598 SELF, SIR H., and WATSON, E. M. Electricity supply in Great Britain; its development and organization. London,Allen and Unwin,1952. 219 p. (National Board Series) 335 Se4

17599 U. S. RURAL ELECTRIFICATION ADMIN. Basic rules for the electric industry. Washington,1952. 16 p. 1.933 B295
Safety measures.

17600 U. S. RURAL ELECTRIFICATION ADMIN. How electric farming can help your business. U. S. Rur. Electrif. Admin. REA B. 140-1,24 p. 1952. 1 R88Ar

Heating, Lighting, and Radiation

17601 DITCHMAN, J. P. Spray your farm with light and you'll lighten your farm chores. Elect. Farm. Mag. 25(10):7-8,21. Dec.1952. 335.8 EL27

17602 HUISMAN, L. L. Manufacture of gas from manure. 1. (In Dutch.) Friesch Landbbl. 49:495. Aug.29, 1952. 12 F91
Fuel.

17603 MIGNOTTE, F. Le gaz de fumier au service de l'agriculteur. Culture 37:14-16. July/Aug.1952. 14 C894

17604 PAGLIA, G. Methane from agricultural waste. (In Italian.) Macch. e Motori Agr. 10:1001-1006. Oct. 1952. 58.8 M13

17605 RYSKA, Z. Infrared rays and their use in socialized agriculture. (In Czech.) Za Socialist. Zeméděl. 2:821-823. July 1952. 19.5 Z1
Czechoslovakia.

17606 STAUSS, W. Biogas-anlagen. ALB Mitt. 43-45. May/June 1952. 296.8 Ar1

17607 U. S. RURAL ELECTRIFICATION ADMIN. Electric radiant house heating. Rev. Washington,1952. 9 p. 1.933 Eq53

Power Plants, Motors and Engines on the Farm

17608 ARANDA HEREDIA, E. Petroleo agricola. Agricultura [Madrid] 21:540-547. Oct.1952. 15 Ag84

17609 CHIRKOV, M. M. Comparative testing of PD-5 high- and TB-5 low-speed windmills. (In Russian.) Sel'khozmashina 7:15-17. July 1952. 58.8 Se42

17610 EMERGENCY power; when poles are down and lines are dead a standby generator pays off. Farm Q. 7(4):62,96-98. Winter 1952. 6 F22995

17611 FLIKKE, A. M. Standby electric generators. Turkey World 27(11):17,68-72. Nov.1952. 47.38 T84

17612 ROGOZHKIN, N. Our method of raising windmills with a caterpillar tractor. (In Russian.) Tekhsovety MTS 13(31/32):9-14. Aug.1952. 58.8 T233

Telephones

17613 BRADY, J. A. Facts on sound telephone management. Rur. Electrif. News 18(3/4):14. Oct./Nov. 1952. 173.2 R88Ru

17614 STOLLEK, R. Ein noch "unentdecktes gerät." Osterr. Landtech. 5:232. Aug./Sept.1952. 58.8 L236
Telephones.

17615 U. S. RURAL ELECTRIFICATION ADMIN. REA specifications for wood pole brackets. U. S. Rur. Electrif. Admin. PE-4,3 p. Nov.1951. 1.933 Sp38
For glass insulators used on telephone systems.

17616 WORKMAN, M. Hail to the rural operator! Telephony 143(23):34,36,38,70,72. Dec.6,1952. 335.8 T23

Water Supply

17617 AUSTIN, W. H. The Anglesey County water scheme. Roy. Sanit. Inst. J. 72:675-682. Nov.1952. 449.9 R812

17618 KUNDZICH, M. M., and LUTSKII, IA. Z. Construction of pit wells of a new structure in Turkmenian SSR. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):31-32. Mar./Apr.1952. 49 K14

17619 ZLOTIN, A. IA. Experiment in mechanization of water supply from milking equipment. (In Russian.) Sovet. Zootekh. 7(10):88-89. Oct.1952. 49 So822

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

17620 AMSTERDAM. INSTITUUT VOOR DE TROPEN. Inlichtingen en onderzoekingen van de Afdeling Tropische Producten in 1951. Information and research in 1951 of the Tropical Products' Department. Amsterdam. Inst. v. de Trop. Afd. Trop. Prod. Meded. 38,75 p. 1952. 503 Am82
English summary.

17621 ASSOCIATION OF FOOD DISTRIBUTORS. Foods of the world, 1st, 1951. New York,1951. 158 p. 389.9 As76

17622 BARRY, W. R. Half a century of evolution in the food industry. Amer. Miller & Processor 80(9): 64-68,71-72. Sept.1952. 298.8 Am32

17623 BELLAMY, A. W. Atomic warfare and the food supply. Calif. Grocers Advocate 57(43):16,18,20. Oct.24,1952. 286.28 C12

17624 BOERGER, A. Südamerika im nahrungsspielraum der menschheit. Ber. über Landwirt. 30:367-384. Ref. 1952. 18 G31
Food supply in relation to population and agricultural methods.

17625 CANADIAN FOOD INDUSTRIES. Food's who. Canad. Food Indus. 23(12):9,11,13,15,17-19,21,24. Dec. 1952. 286.83 C166

17626 CARTER, C. F. World commodity survey. London & Cambridge Econ. Serv. B. (n.s.)4:vi-vii. In Times Rev. Indus. (n.s.)6(71). Dec.1952. 286.8 T4822
Includes agricultural products.

17627 DEAN, J. D. World hunger growing. Feed Bag 28(11):11,99. Nov.1952. 389.78 F32

17628 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. Le Commonwealth source de matières premières. France. Inst. Natl. de la Statis. et des Études Écon. et Conjoncture, Écon. Mond. 7:354-380. July/Aug.1952. 280.9 F842
Includes discussion of agricultural products obtainable in countries of the British Commonwealth.

17629 HICKS, SIR C. S. The moral basis of the world food shortage. II. Rur. Life, Aug.1952:8-9. 281.28 R884

17630 NIGERIA. COMMERCE AND INDUSTRIES DEPT. Annual report, 1949-50. Kaduna,1951. 24 p. 280.9 N562
Includes agricultural products.

17631 SMITS, C. The problem of hunger. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:262-265. Oct. 1952. 12 N282

17632 WIGHTMAN, R. Farming and the people's food. Hearth & Farm 6:177-179. Spring 1952. 10 B47
The situation in Great Britain.

ANALYSIS AND COMPOSITION

17633 BECKER, E. Über papierchromatographie. Getreide u. Mehl 2:87-91. Aug.1952. 298.8 G332

17634 BRADLEY, R. A., and TERRY, M. E. The rank analysis of incomplete block designs. II. The method for blocks of size three. Va. Agr. Expt. Sta. Statis. Methods Sensory Difference Tests Food Quality. Bi-annu. Rpt. 4(app.A),20 p. June 1952. 389.9 V81

17635 BRESLER, S. E. Structure and synthesis of protein. (In Russian.) Priroda 41(8):31-42. Aug.1952. 410 P933

17636 DESCHREIDER, A. R. Le dosage de traces metalliques dans quelques aliments. Cong. Internaz. Indus. Agr. Relaz. 9(1):321-336. 1952. 388 C765Re

17637 DIXON, E., and TOWNSLEY, P. M. Taste panel analysis offers final criterion for acceptability. Food Canad. 12(10):21-22. Oct.1952. 389.8 F7323

17638 GORBACH, G., and SCHÄFER, P. Mikromethoden auf dem lebensmittelgebiet. IV-V. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:231-238. Oct. 1952. 384 Z39

17639 HOFSTEE, J. A comparison of the rheological properties of starches of different origin. Cong. Internaz. Indus. Agr. Relaz. 9(1):987-998. Ref. 1952. 388 C765Re
English summary.

17640 JAKOVLIV, G., and COLPE, G. Méthode chromatographique sur colonne pour la recherche et l'identification des colorants ajoutés aux aliments. Ann. des Falsif. et des Fraudes 45:354-368. Sept./Oct. 1952. 389.8 An72

17641 JOHNSTON, B. R., and others. Determination of potassium in plant materials with a flame photometer. Assoc. Off. Agr. Chem. J. 35:813-816. Nov.15,1952. 381 As7
C. W. Duncan, K. Lawton, and E. J. Benne, joint authors.

17642 KRAMER, A. Objective methods for measuring kinesthetic factors of quality in foods. Canning Trade 75(19):6. Nov.24,1952. 286.83 T67

17643 KUNOWSKI, H. Stärke- und dextrinklebstoffe. Garmisch-Partenkirchen,Moser,1951. 21 p. Ref. (Fachliteratur- Ermittlungs- und Berichtsdienst für Industrie und Forschung. Archiv 744) 309 K962
Contains material on the chemistry of starches.

17644 LE CORVAISIER, H., and SOLAÜN, A. Sur l'hydrolyse des amidons par les enzymes de l'orge et du malt. Cong. Internaz. Indus. Agr. Relaz. 9(1):1043-1050. Ref. 1952. 388 C765Re
English summary.

17645 NEWBOLD, R. P., and JOSLYN, M. A. Chemistry of analytically important pectic acids. I-II. Assoc. Off. Agr. Chem. J. 35:872-917. Ref. Nov.15, 1952. 381 As7

17646 ONGARO, D. Ion exchange in the agricultural industries. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):491-518. Ref. 1952. 388 C765Re
English summary.

17647 PARKINSON, T. L. The determination of ascorbic acid in canned foods containing ferrous iron. J. Sci. Food & Agr. 3:555-560. Nov.1952. 382 So12

17648 SHIKAMA, K., and OKUMA, S. Studies on the detection of preservatives and artificial sweeteners in food by method of paper chromatography. 1. (In Japanese.) Japan. Natl. Hyg. Lab. B. 69:48-55. Dec.1951. 449.9 J27
English summary.

17649 SUTRA, R. Les constitutions des amidons et des amylases. Cong. Internaz. Indus. Agr. Relaz. 9 (2):773-790. Ref. 1952. 388 C765Re
English summary.

17650 TERRY, M. E., and BRADLEY, R. A. The adaptation of the rank analysis to threshold values. Va. Agr. Expt. Sta. Statis. Methods Sensory Difference Tests Food Quality. Bi-annu. Rpt. 4(app.B),8 p. June 1952. 389.9 V81

17651 VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Statistical methods for sensory difference tests of food quality; bi-annual report No. 4, by R. A. Bradley and M. E. Terry. Blacksburg,1952. various pagings. 389.9 V81

17652 WODSAK, W. Die bestimmung des vitamin D in lebensmitteln und pharmazeutischen produkten. (Sum.) Fette u. Seifen 54:619. Oct.1952. 384 C422

CONSUMPTION AND UTILIZATION

17653 KEPHART, J. C. Chlorophyll and its uses. Natl. Farm Chemurg. Council. Res. Div. Chemurg. Papers (1952 ser.)5,8 p. Ref. 1952. 381 N2132

17654 KROHN, H. B. Verbrauchslenkung und importabhängigkeit; möglichkeiten einer verbesserung der ernährungsbilanz. Übersicht 3(7):3-6. July 1952. 18 Ub3
Germany.

17655 LATHROP, E. C. The characteristics of pulp fibers from agricultural residues. Tappi 35(11):60A,62A, 64A,66A,68A. Nov.1952. 302.8 T162
Straw, bagasse and woody stalks.

17656 SHAFFER, J. D. Some observations concerning the relationship of consumer research to consumer education. J. Farm Econ. 34:551-555. Nov.1952. 280.8 J822

DISTRIBUTION, MARKETING, AND TRANSPORTATION

17657 BAGGE, F. Farm markets. (In Swedish.) Lantmannen 36:962-965. Nov.22,1952. 11 L234
Sweden.

17658 BAUMAN, J. N. Bring hidden delivery costs out into the open. Quick Frozen Foods 15(4):64-66. Nov.1952. 389.8 Q4

17659 BLACK, J. D. He doesn't mean "the market." Farm Policy Forum 5(11):19-21. Nov.1952. 281.8 F2274
Comment on a paper by A. W. Ashby.

17660 BOWLING, C. B. Transportation rates and policies. In U. S. Agricultural Research Admin. Pricing and trade, p.130-146. Washington,1952. 1.98 P932
Includes remarks by J. C. Winter.

17661 BRUNK, M. E. Scientific market management. Appleland News Aug./Oct.1952:32-35. 80 Ap53

17662 CROUSE, E. F. Appraisal of market reporting, crop and livestock estimates and outlook information from a user's point of view. In U. S. Agricultural Research Admin. Pricing and trade, p.26-32. Washington, 1952. 1.98 P932

17663 ECKELS, D. T. A B C's of handling frozen foods. Wholesale Grocer News 27(8):23. Nov.1952. 286.83 W622
Marketing.

17664 HANAU, A., and SCHLANGE, E. S. Die landwirtschaftliche marktforschung in Westdeutschland nach dem zweiten weltkrieg. Ber. über Landwirt. 30:283-292. Ref. 1952. 18 G31

17665 HENDRICKS, W. A. Appraisal of market reporting, crop and livestock estimates, and outlook information. In U. S. Agricultural Research Admin. Pricing and trade, p.33-40. Washington,1952. 1.98 P932

17666 HICKEY, D. G. Transportation developments in the Pacific Northwest. Quick Frozen Foods 15(4):59. Nov.1952. 389.8 Q4

17667 INDIANA. AGRICULTURAL EXPERIMENT STATION. Retail produce departments. Ind. Agr. Expt. Sta. C. 382,11 p. Feb.1952. 100 In2P

17668 LEWIS, R. D. Views on marketing research. In U. S. Agricultural Research Admin. Pricing and trade, p.41-44. Washington,1952. 1.98 P932

17669 LINDGREN, C. D. Plenty of promotion is secret of distribution success. Quick Frozen Foods 15 (5):51-52. Dec.1952. 389.8 Q4

17670 MCCALLISTER, K. J. Market news, retail version. Mktg. Activ. 15(9):14-16. Sept.1952. 1.942 A8M34

17671 MARTIN, C. R. Commodity exchange and consumer. Grain & Feed J. Consolidated 109(9):11-12. Nov.12,1952. 298.8 G762

17672 MIRCHANDANI, R. T. Market news service for farmers. Indian Farming (n.s.)2(6):10-12,31. Sept. 1952. 22 In283

17673 NATIONAL MARKETING RESEARCH WORKSHOP. WORK GROUP II. Report, market reporting and statistics. In U. S. Agricultural Research Admin. Pricing and trade, p.181-192. Washington,1952. 1.98 P932

17674 NATIONAL MARKETING RESEARCH WORKSHOP. WORK GROUP IV. Report, transportation, storage and interregional trade. In U. S. Agricultural Research Admin. Pricing and trade, p.202-215. Washington,1952. 1.98 P932

17675 NATIONAL MARKETING RESEARCH WORKSHOP. WORK GROUP VI. Report, kinds and degrees of competition. In U. S. Agricultural Research Admin. Pricing and trade, p.222-230. Washington,1952. 1.98 P932

17676 NICHOLLS, W. H. Conflicts between economic and legal approaches to monopoly. In U. S. Agricultural Research Admin. Pricing and trade, p.164-172. Washington,1952. 1.98 P932

17677 PAGE, J. How frozen food sales are broken down by categories. Quick Frozen Foods 15(5):46-48, 123. Dec.1952. 389.8 Q4

17678 PEDERSEN, C. Scattered impressions about American farm cooperatives. (In Danish.) Andelsbladet 53:1139-1141. Oct.30,1952. 280.28 An2
Marketing.

17679 PHILLIPS, C. D. Can we afford quality in our food products? Amer. Dietet. Assoc. J. 28:1042-1045. Nov.1952. 389.8 Am34
Grading and marketing.

17680 POULIN, L. P. L'état des marchés agricoles. Terre de Chez Nous 24(36):8,18. Oct.29,1952. 7 T27
Canada.

17681 QUICK FROZEN FOODS. Truck lines & terminals equipped to handle frozen food shipments. Quick Frozen Foods 15(4):81-90,92,94. Nov.1952. 389.8 Q4

17682 ROBERT, S. A., JR. Measuring and developing market potentials. In U. S. Agricultural Research Admin. Pricing and trade, p.158-163. Washington,1952. 1.98 P932

17683 ROGERS, W. The food broker, his vital role in modern distribution. Assoc. Food Distrib. Foods World 1:74-75. 1951. 389.9 As76

17684 RUST, I. How does a farmers' marketing cooperative pay its member-patrons. Hawaii. U. Agr. Ext. C. 325,4 p. June 1952. 275.29 H312Ac

17685 SCHOONMAKER, T. R. From little acorns. Assoc. Food Distrib. Foods World 1:13-16. 1951. 389.9 As76
The Association of Food Distributors.

17686 SCHUMY, V. Landwirtschaft und landhandel. Wien,Allgemeiner Verband für das Landwirtschaftliche Genossenschaftswesen in Österreich,1951. 30 p. 281.177 Sch8L

17687 SHEPHERD, G. S., and GOLDMAN, A. Methods and procedures in planning regional marketing research. In U. S. Agricultural Research Admin. Pricing and trade, p.76-106. Washington,1952. 1.98 P932

17688 SOUTHWORTH, H. M. Developments in marketing processes affecting farm practices. Va. Agr. Col. Ext. Va. Farm Econ. 132:34-41. Aug.1952. 275.29 V813

17689 A TERMINAL directory of refrigerated truck lines. Quick Frozen Foods 15(4):77-80. Nov.1952. 389.8 Q4

17690 U. S. DEPT. OF AGRICULTURE. Futures markets. Commodity Exchange Act and Commodity Exchange Authority. U. S. D. A. L. 330,12 p. 1952. 1 Ag84L

17691 U. S. PRODUCTION AND MARKETING ADMIN. Test of a refrigerator car equipped with dry ice system of refrigeration (at Potomac Yards, Alexandria, Va., January 11-22, 1952), by H. D. Johnson, M. V. Gerrity, J. T. Worthington, and W. H. Redit. Washington,1952. 14 p. 1.956 M343T28
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

17692 VAILE, R. S., GRETHER, E. T., and COX, R. Marketing in the American economy. New York,Ronald, 1952. 737 p. 280.3 V19M
Includes agricultural products.

17693 WARD, D. J. Vigilia pretium est. Assoc. Food Distrib. Foods World 1:69. 1951. 389.9 As76
Association of Food Distributors.

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

17694 BENLLOCH, M. Acción de las plagas o enfermedades de las plantas en la condición o características de las primeras materias vegetales utilizadas en la industria. Cong. Internaz. Indus. Agr. Relaz. 9(1):431-440. 1952. 388 C765Re
English summary.

17695 BLANCK, A. P. Food industry and the law. Assoc. Food Distrib. Foods World 1:26-31. 1951. 389.9 As76

17696 FRANKS, H. A school food poisoning outbreak. Med. Off. 88:228-229. Nov.15,1952. 448.8 M462

17697 HART, W. J., JR. The Dulany approach to quality control. Canning Trade 75(19):9-10. Nov.24, 1952. 286.83 T67
Grading and freezing.

17698 HERMANN, C. A. The Federal Food, Drug and Cosmetic Act, its application to food distributors. Assoc. Food Distrib. Foods World 1:9-11. 1951. 389.9 As76

17699 MACLINN, W. A. The Rutgers food saver. New Brunswick, N. J.,Rutgers U. Press,1952. 127 p. 389 M22
Spoilage and preservation.

17700 MAROTTA, D. Opportunities for international cooperation in defining the characteristics of food products and unifying their regulation and control. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):43-52. 1952. 388 C765Re

17701 NIJHOLT, J. A. Testing of commodities and Commodity Act. J. Sci. Res. 1:69-71. Mar.1952. 475 J822
Includes grading of agricultural products in Indonesia.

17702 PRITCHARD, P. V. Food hygiene. Roy. Sanit. Inst. J. 72:693-699. Nov.1952. 449.9 R812
Includes discussion.

17703 ROSSI, C., and BASS, E. An interesting case of food poisoning from S. typhimurium. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:250-255. Ref. 1951. 41.9 So17
English summary.

17704 SCHLANGE, E. S. Die bedeutung der standardisierung. Agrarwirtschaft 1:272-277. Oct.1952. 281.8 Ag826
Agricultural products in Germany.

17705 SIEGEL, M., and STRASBURGER, L. V. Technologically speaking. Canning Trade 75(22):6. Dec. 15,1952. 286.83 T67
Problem of insecticidal residues.

17706 TOUBEAU, M. Définition et reglementation, au point de vue hygiénique et sanitaire, des produits alimentaires. Utilité d'une coordination internationale. Cong. Internaz. Indus. Agr. Relaz. 9(1):53-66. 1952. 388 C765Re

17707 TURK, A. The effect of atmospheric odors on food flavors. Butchers' Advocate 132(21):11. Nov. 19,1952. 286.85 B97

17708 ZAUN, W. Lebensmittelvergiftungen und andere intoxikationen durch das clostridium botulinum; kasuistik für die jahre 1935-1950. Giessen,1951. 43 p. 41.2 Z16
Inaug.-Diss. - Giessen.

PACKING AND PACKAGING

17709 BOYD, J. M., and BOCK, J. H. Vacuum in canned foods: its significance and its measurement. Continental Can Co. Res. Div. B. 31,13 p. 1952. 389.9 C7624

17710 DAY, F. T. Materials for hygienic packaging. Food [London] 21:416-420. Nov.1952. 389.8 F738

17711 GARNATZ, G. Odor gain and loss. (Sum.) Mod. Packaging 26(4):137-138. Dec.1952. 309.8 M72
In packaging.

17712 GRIEPENKERL, E. C. Dessicants in protective packaging. Food Canada 12(11):16. Nov.1952. 389.8 F7323

17713 HAYHURST, L. J. Research on flexible films for food packaging. Food Technol. 6:454-455. Dec.1952. 389.8 F7398

17714 HEISS, R. Untersuchungen über die verbesserung der haltbarkeit hygroskopischer lebensmittel mit hilfe von frischhaltepackungen. Cong. Internaz. Indus. Agr. Relaz. 9(1):999-1012. 1952. 388 C765Re

17715 HOAG, L. E. Oil-freeness in foods. (Sum.) Mod. Packaging 26(4):137. Dec.1952. 309.8 M72
Packaging.

17716 MORCK, R. A. How far should we go in solving the food-caking problem? (Sum.) Mod. Packaging 26(4):137. Dec.1952. 309.8 M72
In food packaging.

17717 PACKAGING INSTITUTE. 14th annual forum, Hotel Commodore—October 20-22, 1952. Mod. Packaging 26(4):133-146. Dec.1952. 309.8 M72

17718 RABB, N. S. The retailer evaluates your package. Food Canad. 12(10):26-28. Oct.1952. 389.8 F7323

17719 SANBORN, A. W. Heat seal labels spur development of films for prepackaged foods. Food Canada 12(11):17,19-20. Nov.1952. 389.8 F7323

17720 WOODCOCK, C. M. Packaging materials and packages: what the food industry seeks. (Sum.) Mod. Packaging 26(4):136-137. Dec.1952. 309.8 M72

PRICES, PRICE CONTROL, AND RATIONING

17721 ALPE, C. Producers are not the cause of the high cost of living. (In Italian.) Rass. dell'Agr. Ital. 7 (10):17-19. Oct.1952. 281.8 R18
Prices.

17722 BUENO, L. DE F. Monthly index of prices received by farmers in São Paulo. (In Portuguese.) Rev. dos Mercados 3(23):20-22. July 1952. 286.8 R328

17723 COCHRANE, W. W. A theoretical scaffolding for considering governmental pricing policies in agriculture. In U. S. Agricultural Research Admin. Pricing and trade, p.62-75. Washington,1952. 1.98 P932

17724 EISENHOWER, D. Ike's farm pledge 'I stand behind the 90 percent price support law.' (Excerpts.) GTA Digest 12(10):9-12. Oct.1952. 280.28 G11

17725 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Recent changes in the structure of farm prices in western Europe. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 1(5): 2-7. Sept.1952. 251 F73Mb

17726 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. L'évolution récente du niveau des prix en France et a l'étranger. France. Inst. Natl. de la Statis. et des Études Écon. et Conjoncture, Écon. Mond. 7:283-296. July/Aug.1952. 280.9 F842
Includes food prices.

17727 GERL, F. Einkommens-statt preisparität in Deutschland? Bauern-Ztg. 5(41):4,12. Oct.10,1952. 18 B324

17728 GT. BRIT. MINISTRY OF LABOUR AND NATIONAL SERV. Interim index of retail prices; method of construction and calculation. Rev. ed. London,H. M. Stationery Off.,1952. 35 p. 284.3 G7996
Includes agricultural products.

17729 HALL, J. Food industry doing its best to lower prices. (Digest.) Wk. Digest 49(20):3. Nov.15, 1952. 286.83 Am33Fa

17730 JOHNSON, D. G. Price stability—an appraisal from the standpoint of producer, consumer, and marketing agencies. In U. S. Agricultural Research Admin. Pricing and trade, p.121-125. Washington,1952. 1.98 P932

17731 LARSON, A. L. Appraisal of current research in pricing and trade. In U. S. Agricultural Research Admin. Pricing and trade, p.45-55. Washington,1952. 1.98 P932

17732 METZDORF, H. J. Saisonschwankungen der verbraucherpreise für nahrungsmittel. Agrarwirtschaft 1:261-266. Oct.1952. 281.8 Ag826
Germany.

17733 NANCE, G. B. The outlook for farm prices in 1953. Bank News 52(56):19-21. Nov.15,1952. 284.8 B224

17734 NATIONAL MARKETING RESEARCH WORKSHOP. WORK GROUP I. Report, objectives of pricing and trade. In U. S. Agricultural Research Admin. Pricing and trade, p.173-180. Washington,1952. 1.98 P932

17735 NATIONAL MARKETING RESEARCH WORKSHOP. WORK GROUP III. Report, methods of analysis, interpretation and application of price and related data. In U. S. Agricultural Research Admin. Pricing and trade, p.193-201. Washington,1952. 1.98 P932

17736 NATIONAL MARKETING RESEARCH WORKSHOP. WORK GROUP V. Report, governmental participation in pricing. In U. S. Agricultural Research Admin. Pricing and trade, p.216-221. Washington,1952. 1.98 P932

17737 NATIONAL MARKETING RESEARCH WORKSHOP. WORK GROUP VII. Report, pricing at various market stages. In U. S. Agricultural Research Admin. Pricing and trade, p. 231-239. Washington,1952. 1.98 P932

17738 PEARSON, F. A., MYERS, W. I., and WARREN, J. Hot and cold wars, deficit financing, rearmament and commodity prices. N. Y. Agr. Col. Farm Econ. 187:4894-4910. Nov.1952. 280.8 C812

17739 PEDERSEN, S. Fixing prices of agricultural products. (In Danish.) Tolvmandsbladet 24:259-266. Oct.1952. 11 T58
Denmark.

17740 PERLITZ, R. Retail and wholesale pricing practices. In U. S. Agricultural Research Admin. Pricing and trade, p.56-61. Washington,1952. 1.98 P932

17741 ROBINSON, K. L. Taxes, Federal aids to agriculture and food prices. N. Y. Agr. Col. Farm Econ. 187:4911-4913. Nov.1952. 280.8 C812
Price supports.

17742 STEVENSON, A. Farm pledge 'we will continue to protect basic commodities at not less than 90 percent.' (Excerpts.) GTA Digest 12(10):13-16. Oct.1952. 280.28 G11

17743 THATCHER, M. W. Farmers will vote 90 percent. GTA Digest 12(10):4. Oct.1952. 280.28 G11
Parity.

17744 U. S. AGRICULTURAL RESEARCH ADMIN. Pricing and trade, a report of the National Marketing Research Workshop, July 11 to 19, 1952, Texas A and M College. Washington,1952. 244 p. 1.98 P932

17745 U. S. PRODUCTION AND MARKETING ADMIN. The facts about farm prices in 1948. Washington,1952. 7 p. 1.956 A2F1138

17746 WALSH, R. M. Statistical techniques for the analysis and interpretation of price data. In U. S. Agricultural Research Admin. Pricing and trade, p.107-120. Washington,1952. 1.98 P932

17747 WATERSCHOOT, H. Investigation about the economic situation of farms in Belgium. II. Prices. (In Flemish.) Gent. Landbouwhogesch. Meded. 17:223-280. Ref. June 1952. 105.1 G344
English summary.

17748 WAUGH, F. V. Interrelated problems of pricing, trade, and market information. In U. S. Agricultural Research Admin. Pricing and trade, p.17-25. Washington,1952. 1.98 P932

PROCESSING AND STORAGE

17749 ALESSANDRIA, A. V. H. D', and HALBINGER, R. E. Aplicación de diastasas fúngicas hidrolizantes en la industria del alcohol etílico. Rev. Argentina de Agron. 19:147-153. Sept.1952. 9 R327

17750 ALLYNE, R. F. Dry-ice refrigeration growing in popularity. Quick Frozen Foods 15(4):63,104. Nov. 1952. 389.8 Q4

17751 ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY. Food canning. London,1952. 86 p. (Productivity Team Report) 389.3 An42

17752 ANTUN, J. J. The big business. Assoc. Food Distrib. Foods World 1:83-84. 1951. 389.9 As76
The frozen food industry.

17753 BATCHELDOR, G. D. The Veterinary Corps looks at sanitation. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.57-59. Chicago,1952. 47 In7Sa
In the food industry.

17754 BATES, R. W. 6-factor control assures quality deep fat-fried foods. Food Engin. 24(12):82-83, 160. Dec.1952. 389.8 F737

17755 BONNET, J. Les industries agricoles au Congo Belge. Cong. Internaz. Indus. Agr. Relaz. 9(1): 953-969. 1952. 388 C765Re

17756 BORGSTROM, G. Ravaruhantering. Vegetabiliska och animaliska produkter. [Handling of raw material. Vegetable and animal products]. Svenska Inst. f. Konservforsk. P. 22 p. 1952. 389.9 Sv2

17757 BOULANGER, P. Biologische eiweiss-synthese. (Sum.) Brauwelt 39:932. Sept.25,1952. 390.8 B732

17758 BOUSSER, R. Contribution à la résolution du problème alimentaire humain par l'amélioration des techniques de conditionnement, de conservation et de transformation des produits périssables. Cong. Internaz. Indus. Agr. Relaz. 9(1):1263-1270. 1952. 388 C765Re

17759 BOUSSER, R. Les déficiences de nos techniques de conservation; peut-on les améliorer sur le plan de la qualité et sur celui des prix de revient? Cong. Internaz. Indus. Agr. Relaz. 9(1):735-742. 1952. 388 C765Re
English summary.

17760 BOUSSER, R. Recherches en cours et résultats déjà obtenus sur le plan de la stabilisation des produits, à la Station Technologique de l'Ecole Marocaine d'Agriculture. Cong. Internaz. Indus. Agr. Relaz. 9(1): 771-784. 1952. 388 C765Re
Food preservation by dehydration and use of antiseptics.

17761 BRAMSNAES, F. What is C. I. P. C. [Comité International Permanent de la Conserve]? (In Danish.) Konserves 10:73-75. July 1952. 389.8 K835

17762 BREDO, E. Fermentations mycochimiques et produits dérivés. Cong. Internaz. Indus. Agr. Relaz. 9 (1):1253-1262. 1952. 388 C765Re

17763 CAMPBELL, C. For the public weal. Assoc. Food Distrib. Foods World 1:46-48. 1951. 389.9 As76
The National Canners Association.

17764 CARBALLO CAABEIRO, J. Producción de levadura-alimenticia a partir de jugos de gamon (sps. Asphodelus) y mosto de uva. Cong. Internaz. Indus. Agr. Relaz. 9(2):529-540. 1952. 388 C765Re
English summary.

17765 CERLETTI, G. B. Agricultural industries. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1067-1076. 1952. 388 C765Re
English summary.

17766 CHILDRESS, R. L. Why food processors need cost records. Canner 115(19):18,20. Nov.8,1952. 286.83 C16

17767 COOKE, J. Frozen foods have basic strength Quick Frozen Foods 15(4):44,152,154,156-158. Nov.1952. 389.8 Q4

17768 COOVER, L. S. Food planning for infant feeding. Food Technol. 6:416-418. Nov.1952. 389.8 F7398

17769 COURTENAY, V. D. Good housekeeping in the food factory. Food [London] 21:424-427. Nov.1952. 389.8 F738

17770 DANSI, A. Esters of starch. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):761-772. 1952. 388 C765Re
English summary.

17771 DERIBERE, M., and MAISONNEUVE, J. Applications générales des rayons ultraviolets. Cong. Internaz. Indus. Agr. Relaz. 9(2):65-70. 1952. 388 C765Re
English summary.
Processing of agricultural products.

17772 DERIBERE, M., and GESLIN, R. C. Infrarouge et ultraviolet dans la conserverie et la stabilisation des denrées agricoles et alimentaires. Cong. Internaz. Indus. Agr. Relaz. 9(2):59-64. 1952. 388 C765Re
English summary.

17773 DRISCOLL, B. J. Public health and food processing. Food [London] 21:404-405. Nov.1952. 389.8 F738
Plant sanitation.

17774 DVORKOVITZ, V. Sanitation in the food industry. Canad. Chem. Processing 36(12,i.e.11):60,62. Nov.1952. 381 C16

17775 FINZI, M. Homogenization of food. (In Italian.) Italia e i Cereali 7:31-33. Jan.1952. 59.8 It1

17776 FITZWATER, W. D., JR. Warfarin and perimeter rodent control. Food Technol. 6:436-438. Nov.1952. 389.8 F7398

17777 FOSKETT, D. J. Food canning; a select bibliography. n.p.,1951. 28 p. (Metal Box Company. Research Division. Technical Communication 8) 241.64 F782

17778 FRANKEL, H. Profit margins of food manufacturers and distributors. I. General principles. Farm Econ. 7:67-73. 1952. 281.8 F223
Great Britain.

17779 FREY, C. N. Function of the food technologist in modern industry. Food Technol. 6(11):4,8,10,12. Nov.1952. 389.8 F7398
Education.

17780 GAMOVA-KAĬUKOVA, N. I. On selection of industrially valuable microorganisms for the production of food products. (In Russian.) Mikrobiologiîa 21(1):83-86. Ref. Jan./Feb.1952. 448.3 M582

17781 GOLOVKIN, N. A. Utilization of ultraviolet rays in processing and storage of food products. (In Russian.) Miasnaîa Indus. SSSR. 23(2):39-43. Mar./Apr. 1952. 50.8 M58

17782 GONCHAROV, N. Devices for automatic adjustment of refrigeration equipment. (In Russian.) Miasnaîa Indus. SSSR. 23(2):23-28. Mar./Apr.1952. 50.8 M58

17783 GORDON, C. W. Built-in sanitation. 1. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.6-8. Chicago,1952. 47 In7Sa
Food industry.

17784 GT. BRIT. MINISTRY OF FOOD. The ABC of preserving. Rev. ed. London,1952. 33 p. (Its ABC Series. Book 3) 389.3 G794A

17785 GREY, S. T. Food sanitation—yesterday, today and tomorrow. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.1-5. Chicago,1952. 47 In7Sa

17786 HART, R. W. Built-in sanitation. 2. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.9-11. Chicago, 1952. 47 In7Sa
Food industry.

17787 HARVEY, W. C., and HILL, H. Food hygiene. London,Lewis,1952. 511 p. 389 H262

17788 HEINZ, F. C. The important role of machinery and supplies in the progress of canning. Canning Trade 75(21):11-12. Dec.8,1952. 286.83 T67

17789 HIDALGO, L., REUS, A., and GARRIDO, J. Ajuste de ecuaciones de rendimiento en la proliferación de la Torulopsis utilis. Cong. Internaz. Indus. Agr. Relaz. 9(2):541-550. 1952. 388 C765Re
English summary.

17790 HUCKER, G. J. Food plant sanitation, an exacting operation. Canner 115(18):21,24. Nov.1,1952. 286.83 C16

17791 HUCKER, G. J. Food plant sanitation—an exacting operation. Farm Res. [N. Y. State Sta.] 18(4):5. Oct.1952. 100 N48A

17792 INDIA. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Patented inventions of the C. S. I. R. A compilation of the specifications of patented inventions of the Council of Scientific and Industrial Research for the period 1940-1950 (27714-43292). New Delhi,1951. 555 p. 311 In2

17793 JAEGER, H. H. Canning story. Assoc. Food Distrib. Foods World 1:44-45. 1951. 389.9 As76

17794 JENSEN, P. F. The Danish production and import and export of preserved foods in 1950. (In Danish.) Konserves 10:76-82. July 1952. 389.8 K835

17795 JORGENSEN, N. Denmark's co-operative frozen food locker system. Queensland Fruit & Veg. News 2(31):17-18. June 13,1952. 280.38 Q3

17796 KALOYEREAS, S. A. Aphydatosis, a promising process for drying foods and other products affected by high temperatures. Cong. Internaz. Indus. Agr. Relaz. 9(1):231-246. 1952. 388 C765Re

17797 MARILLER. Le problème de la dessiccation sous vide à basse température. Cong. Internaz. Indus. Agr. Relaz. 9(1):697-706. 1952. 388 C765Re
English summary.

17798 MARILLER, C. Etude de l'augmentation des rendements en distillerie par l'emploi de procédés nouveaux. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(21):507-510. 1952. 388 C765Re

17799 NORTON, K. B., TRESSLER, D. K., and FARKAS, L. D. The use of monosodium glutamate in frozen foods. Food Technol. 6:405-411. Nov.1952. 389.8 F7398

17800 NUNZIO, B. DEL. The processes of preservation of agricultural products by cold. (In Italian.) Cong. Internaz. Indus. Agr Relaz. 9(1):657-679. 1952. 388 C765Re
English summary.
Refrigeration and freezing.

17801 PAPPAS, H. J., and HALL, L. A. The control of thermophilic bacteria. Food Technol. 6:456-458. Dec.1952. 389.8 F7398

17802 POLONOVSKI, J., and LINDERBERG, B. Recherche et dosage des dérivés tensioactifs d'ammonium quaternaire (saponiums) à l'état de traces. Cong. Internaz. Indus. Agr. Relaz. 9(2):85-102. Ref. 1952. 388 C765Re
English summary in following paper.

17803 PRATT, C. D. Certain partial ester emulsifier levels in food. Food Technol. 6:425-430. Ref. Nov. 1952. 389.8 F7398

17804 RAEITHEL, H. Über die verwendung von antioxydantien. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:246-262. Oct.1952. 384 Z39

17805 RENAUDIN, C. Rapport sur l'enseignement et la formation des ingenieurs des industries agricoles e alimentaires. Cong. Internaz. Indus. Agr. Relaz. 9(1): 1233-1252. 1952. 388 C765Re

17806 SAMEC, M. Ester of starch. Cong. Internaz. Indus. Agr. Relaz. 9(2):725-760. Ref. 1952. 388 C765Re

17807 SHAW, C. L. A look at the Canadian canning situation at season's close. West. Canner & Packer 44 (12):35. Nov.1952. 286.83 W522

17808 SIM, M. B. Commercial canning in New Jersey: history and early development. Trenton, N. J., New Jersey Agr. Soc.,1951. 510 p. 389.3 Si4

17809 SISLEY, J. P. Recherche et dosage des composés superficiellement actifs d'azote quaternaire à l'état de traces. Cong. Internaz. Indus. Agr. Relaz. 9(2):77-84. Ref. 1952. 388 C765Re
English summary.

17810 SMITH, D. L. Vermont sounded out its locker plants. News Farmer Coop. 19(8):7,15. Nov.1952. 166.2 N47
Survey of frozen food locker cooperatives.

17811 SPENCER, D. A. Make your rodent control program work. 1. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.12-13. Chicago,1952. 47 In7Sa

17812 STANFILL, R. C. Sanitation in food production. Confectioners J. 78(935):33-34. Dec.1952. 389.8 C76

17813 STARE, F. A. Flashback to organized canning in the 19th century. Canner 115(20):18-19. Nov.15,1952. 286.83 C16

17814 STEFFEN, A. J. Make your rodent control program work. 2. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.14-16. Chicago,1952. 47 In7Sa

17815 STRACHAN, G., and SHEWFELT, L. A. Prairie food processing research. West. Canad. Soc. Hort. Rpt. Proc. 8:15-18. 1952. 82 W522

17816 SZASZ, R. El ácido ascórbico en la conservación de productos alimentarios. Indus. y Quim. 14:142-148. Ref. Aug.1952. 385 In28

17817 TÄUFEL, K. Grundlagen und aufgaben bei der vorratspflege von lebensmitteln. Deut. Akad. der Wiss. Wiss. Ann. 1:376-390. Sept.1952. 509 D48W

17818 TEMPLETON, H. L. Putting sanitation facts to work. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.62-66. Chicago,1952. 47 In7Sa
Food industry.

17819 THEVENOT, R. Conservation par le froid des denrées agricoles. Cong. Internaz. Indus. Agr. Relaz. 9(1):681-696. 1952. 388 C765Re
English summary.
Refrigeration.

17820 TREPAUD, G. Réfrigération rurale. Cong. Internaz. Indus. Agr. Relaz. 9(1):757-766. 1952. 388 C765Re

17821 TREPAUD, G. Solution rapide et économique du difficile problème de la réfrigération rurale; premier maillon de la chaîne du froid—par le générateur à glace tubulaire automatique. Cong. Internaz. Indus. Agr. Relaz. 9(1):767-768. 1952. 388 C765Re
Equipment.

17822 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Pointers on freezing yeast and quick breads, pies, cookies, and cake. Washington,1952. 3 p. 1.982 A2P75

17823 VASSOGNE, G. Densité d'entreposage en frigorifique des denrées essentielles. Rev. Prat. du Froid 8:48-49. Oct.1952. 295.8 R323

17824 II. INTERNATIONALER kongress der gärungsindustrien in Knokke-Le Zoute vom 15. bis 20. september 1952. Brauwelt 39:929-933. (Cont.) Sept.25,1952. 390.8 B732

STATISTICS

17825 AUSTRALIA. COMMONWEALTH BUR. OF CENSUS AND STATISTICS. TASMANIA BR. Statistics of the state of Tasmania for the year 1950-51. Hobart? 1952? various pagings. 271.5 St2S
Includes agricultural statistics.

17826 BAKER, J. D., JR., and PAARLBERG, D. How accurate is outlook? J. Farm Econ. 34:509-519. Nov.1952. 280.8 J822

17827 BANK OF JAPAN. STATISTICS DEPT. Economic statistics of Japan, 1951. Tokyo,1952. 372,27 p. 269.7 B221E
Includes agriculture.

17828 BOLSA DE CEREALES, BUENOS AIRES. Revista, número estadístico 1952. Buenos Aires,1952. 120 p. 287 B866
Agricultural production statistics, including grain.

17829 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Agricultural statistics 1945-9; England and Wales. 1. London,1952. 216 p. 256.01 Ag82Aga

17830 THE HANDBOOK of basic economic statistics; 1952 mid-year edition, volume 6, number 7. Washington, Econ. Statis. Bur.,1952. 256 p. 252 H19
Includes agricultural statistics.

17831 MINAS GERAIS. DEPT. ESTADUAL DE ESTATÍSTICA. Anuário estatístico de Minas Gerais [Statistical annual of Minas Gerais], 4th, 1950. Belo Horizonte,1951. 483 p. 255.3 M665A
Includes agriculture.

17832 NEW SOUTH WALES. BUR. OF STATISTICS AND ECONOMICS. New South Wales statistical register for 1949-1950. III. Rural industries and settlement and meteorology. Sydney,1952. p.197-304. 271.1 St2S

17833 ONTARIO. DEPT. OF AGRICULTURE. STATISTICS AND PUBLICATIONS BR. Agricultural statistics for Ontario year 1951. Toronto,1952? 99 p. 253.6 In2R

17834 QUEBEC. BUR. OF STATISTICS. Principales statistiques agricoles 1951. Quebec,1952. 25 p. 253.8 St2P

17835 ROMERO MONTERO, R. Las necesarias estadísticas agrícolas. Siembra [Madrid] 8(7):7-9. July 1952. 15 Si1
Spain.

17836 TRYGGVASON, S. Farm production figures. (In Icelandic.) Freyr 47:325-328. Oct.1952. 11 F89

17837 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural crops: cotton, flowers, lucerne, artificial pasture, spineless cactus and/or salt bush, teff grass, veld grass cut for hay, manna, millet, and ensilage. Union So. Africa. Buro v. Sensus en Statis. Landbsensus. Spesiale Verslagreeks 24(10),45 p. 1952. 270 So87L

17838 UNION OF SOUTH AFRICA. BUR OF CENSUS AND STATISTICS. Agricultural crops: potatoes, sweet potatoes, ground nuts, sunflower seed, dried peas, lentils, cowpeas, soybeans, other dried beans, onions, berry and other small fruits, pineapple plantations, banana plantations, tobacco, chicory root and linseed. Union So. Africa. Buro v. Sensus en Statis. Landbsensus. Spesiale Verslagreeks 24(9),50 p. 1952. 270 So87L

17839 UNITED NATIONS. SECRETARIAT. DEPT. OF ECONOMIC AFFAIRS. Summary of recent economic developments in the Middle East. New York,1952. 99 p. (United Nations [Document] E/2193/Add. 3 (ST/ECA/14/Add. 3)) 280.185 Un33
United Nations. Publications. 1952. II. C. 3.
Supplement to World Economic Report, 1950-51.
Includes production and trade statistics for agricultural products.

17840 U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production: farm production, farm disposition, and value of principal field crops, revised estimates 1944-49, by States. U. S. D. A. Statis. B. 115,90 p. Oct.1952. 1 Ag84St

17841 VIRGINIA COOPERATIVE CROP REPORTING SERV. Virginia farm statistics. Va. Farm Statis. B. 16,122 p. 1952. 2 V812

17842 WIRTH, H. Die versorgungslage bei wichtigen nahrungs- und futtermitteln in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:253-255. Sept.1952. 265 St24

17843 WYOMING. CROP AND LIVESTOCK REPORTING SERV. Wyoming agriculture 1951. Wyo. Dept. Agr. Div. Statis. Agr. Statis. B. 16,73 p. Sept.1951. 2 W99
Statistics.

BEVERAGES AND CONDIMENTS

17844 ABORN, E. Coffee's place in the sun. Coffee & Tea Indus. 75(11):11,17,20. Nov.1952. 389.8 Sp4

17845 BALAGUER SENABRE, J. Los rácimos de Baco. Ceres [Valladolid] 17(195):23,25. Sept.1,1952. 15 C33
Wine industry.

17846 BALZAC, R. Coffee—Colombia's leading cash crop. Tea & Coffee Trade J. 103(5):74,111. Nov.1952. 68.8 T22

17847 BALZAC, R. P. Coffee trends in Colombia. Coffee & Tea Indus. 75(11):50,80. Nov.1952. 389.8 Sp4

17848 BARKLEY, W. D. The spices of life. Nat. Mag. 45:529-533. Dec.1952. 409.6 N214

17849 BARNES, H. S. A fourth dimension for the coffee roaster. Coffee & Tea Indus. 75(11):63,123-126. Nov.1952. 389.8 Sp4

17850 BARRET, A., and BIDAN, P. Les utilisations rationnelles de la vinification à basse tempêrature. Cong. Internaz. Indus. Agr. Relaz. 9(2):607-610. 1952. 388 C765Re
English summary.

17851 BAYLIES, G. U. Trends in cans for coffee. Coffee & Tea Indus. 75(11):71,79. Nov.1952. 389.8 Sp4

17852 BEAMAN, S. H. Coffee brewing in the cup is here to stay. Coffee & Tea Indus. 75(11):77,92. Nov.1952. 389.8 Sp4
Coffee bags.

17853 BEATTY, J. C. Trends in ocean shipping of coffee. Coffee & Tea Indus. 75(11):97,105-106. Nov. 1952. 389.8 Sp4

17854 BECKER, W. Produktionskosten und weinpreise als faktoren der wirtschaftlichkeit des weinbaues. Weinbau 7:514-516. (Cont.) Sept.20,1952. 390.8 W432

17855 BELIEN, R. L. Better qualities from Ruanda-Urundi. Coffee & Tea Indus. 75(11):57. Nov.1952. 389.8 Sp4
Coffee.

17856 BERGAMIN, F. How to make wine at home. (In Portuguese.) Soc. Rur. Bras. Rev. 32(380):50. Sept.1952. 9.2 B733

17857 BERGERET, G. Composición de vinagre de consumo en el Uruguay. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:286. May 1952. 385 R322

17858 BIRCH, H. J. Study of the stability of grain adjuncts in brewing. Crystallization of wax-oil systems. Urbana,1952. 4 p. 386 B53

17859 BOANO, C. Cider and fermented fruit drinks. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):269-278. 1952. 388 C765Re

17860 BOBADILLA, G. F. DE. El envejecimiento natural y el envejecimiento artificial o acelerado de los vinos en relación con su valor fisiológico. Cong. Internaz. Indus. Agr. Relaz. 9(2):611-620. 1952. 388 C765Re

17861 BOUSSER, R. Essai d'une nouvelle méthode de vinification à la Station Technologique de l'Ecole Marocaine d'Agriculture. Cong. Internaz. Indus. Agr. Relaz. 9(2):577-584. 1952. 388 C765Re

17862 BRANSTEN, E., JR. Maintenance of highest standards charge of entire coffee industry. Tea & Coffee Trade J. 103(5):62. Nov.1952. 68.8 T22

17863 BUEVEROVA, E. M., SIDIAKIN, G. P., and TURULOV, A. V. Bentonites and clays of Uzbekistan. (In Russian.) Vinodel. i Vinograd. SSSR 3:20. Mar.1952. 95.8 V77
In wine manufacture.

17864 BURT, J. E. Ethiopia—the cradle of the coffee trade. Tea & Coffee Trade J. 103(5):58. Nov.1952. 68.8 T22

17865 CAMPANA, J. P. Coffee research in Ecuador. Coffee & Tea Indus. 75(11):110-111. Nov.1952. 389.8 Sp4

17866 CÀNDIDA, F. Lombardy Wine Central; Milan at the head of the wine battle. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(91):8-9. Oct.29,1952. 281.8 Ag3

17867 CARDWELL, R. H., JR. Cooperation has been responsible for unique success of NCA [National Coffee Association] Board. Tea & Coffee Trade J. 103(5):82. Nov.1952. 68.8 T22

17868 CASTELLI, T. Fermentation agents for grape must and the influence of climate. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):551-566. 1952. 388 C765Re
English summary.

17869 CHACKO, V. I. India's pepper industry. Coffee & Tea Indus. 75(11):141-142. Nov.1952. 389.8 Sp4

17870 COMMISSION DE DELIMITATION DE L'APPELLATION D'ORIGINE "COTEAUX DU LAYON." Extraits du rapport. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-Vie. B. 42:1-19. July 1952. 390.9 F843

17871 COOK, C. W. Coffee trends in the United States. Tea & Coffee Trade J. 103(5):48,50-51. Nov. 1952. 68.8 T22

17872 COOK, C. W. Trends in solubles. Coffee & Tea Indus. 75(11):41,59. Nov.1952. 389.8 Sp4

17873 COSMO, I., and ROSA, T. DE. Utilization of the Euganean Hills Muscat (results of a technical survey). (In Italian.) Agr. delle Venezie 6:462-475. Oct.1952. 16 Ag826
Wine industry.

17874 COSTE, R. Alerte à la production caféière à Madagascar. Marchés Coloniaux du Monde 8:2294-2296. Aug.30,1952. 286.8 M33

17875 COSTE, R. La production de cacao de qualité doit être encouragée au Cameroun. Marchés Coloniaux du Monde 8:2617-2618,2679-2681. Oct.11-18,1952. 286.8 M33

17876 DELAMARE, J. L. Position of coffee in the European market. Tea & Coffee Trade J. 103(5):100,102. Nov.1952. 68.8 T22

17877 DEMOLIN, J. Field for experiment in marketing. Coffee & Tea Indus. 75(11):89. Nov.1952. 389.8 Sp4
Coffee in Belgium.

17878 DIETRICH, K. R. Kornschlempe als nährsubstrat bei der herstellung von antibiotika. Branntweinwirtschaft 74:349. Oct.10,1952. 390.8 B7322

17879 DOUARCHE, L. Weltkrise des weinbaues und europäischer wein-pool. Weinbau 7:507-508. Sept.20, 1952. 390.8 W432

17880 DUKHOVNYĬ, A. I. Accurate methods of analysis are essential in cognac manufacture. (In Russian.) Vinodel. i Vinograd. 4:32. Apr.1952. 95.8 V77

17881 DUPAIGNE, P. Une determination colorimétrique de la coumarine dans les extraits de vanille. Fruits & Dérivés 16:14-15. 1952. 389.68 J98

17882 DUWEZ, R. Fabriquez vous-même votre vinaigre. Rustica 25:989-900. Oct.19,1952. 14 R92

17883 DYKMAN, D. Coffee in the Philippines. Coffee & Tea Indus. 75(11):95. Nov.1952. 389.8 Sp4

17884 EHLERS, A. E., JR. Our coffee market is growing once again. Coffee & Tea Indus. 75(11):15. Nov.1952. 389.8 Sp4

17885 EISENMENGER, P. I. Taking advantage of "the breaks." Coffee & Tea Indus. 75(11):26,44. Nov. 1952. 389.8 Sp4
Coffee marketing.

17886 ENGWALL, J. Consumption is up in Sweden. Coffee & Tea Indus. 75(11):87. Nov.1952. 389.8 Sp4
Coffee.

17887 EPISKOPOSIÂN, G. L. Calculation in blending wine materials. (In Russian.) Vinodel. i Vinograd. 4:52-55. Apr.1952. 95.8 V77

17888 EWEN, D. F. Tea promotion and the grower. Coffee & Tea Indus. 75(11):135,137. Nov.1952. 389.8 Sp4

17889 FERTMAN, G. I. Technological distillation schemes in manufacture of cognac. (In Russian.) Vinodel i Vinograd. SSSR 3:24-29. Mar.1952. 95.8 V77

17890 FLANZY, M. L'armagnac et son étude. Terre d'Oc 34:269-271. July 1952. 14 Ar5

17891 FLANZY, M. Intégrité biologique du vin et la technique oenologique. Cong. Internaz. Indus. Agr. Relaz. 9(1):529-546. 1952. 388 C765Re
English summary.

17892 FOWLER, R. L., and KEMPF, N. W. Restoring chocolate's old-time flavor. Coffee & Tea Indus. 75(11):143-144. Nov.1952. 389.8 Sp4

17893 FOWLER, R. L., and KEMPF, N. W. Restoring chocolate's old-time flavor. Foreign Agr. 16:184-187. Oct.1952. 1.9 Ec7For

17894 FRATEUR, J., and SIMONART, P. Étude de la flore bactérienne d'un acétificateur de vinaigre d'alcool. Cong. Internaz. Indus. Agr. Relaz. 9(2):643-648. 1952. 388 C765Re

17895 GADZHIEV, D. M. Wine from Matras [grape] variety in the Shemakhinskii Region. (In Russian.) Vinodel. i Vinograd. SSSR 3:13-17. Mar.1952. 95.8 V77

17896 GARINO-CANINA, E. Industrialization in the preparation of wines. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):597-606. 1952. 388 C765Re
English summary.

17897 GAROGLIO, P. G., and FLORENZANO, G. Premises for the study of wine fermentation, including accessory products. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):467-492. 1952. 388 C765Re

17898 GAUSS, W. Coffee advertising in magazines. Coffee & Tea Indus. 75(11):65,84. Nov.1952. 389.8 Sp4

17899 GENEVOIS, L. Les agents de fermentation du vin et l'influence du milieu. Cong. Internaz. Indus. Agr. Relaz. 9(2):567-576. 1952. 388 C765Re
English summary.

17900 GIDLOW, E. Wine-with-meat campaign clicks; to be repeated this fall. Sales Mangt. 69(3):30-32,34,36. Aug.1,1952. 280.38 Sa3

17901 GRANICHER, W. O. Coffee's frontiers. Coffee & Tea Indus. 75(11):35. Nov.1952. 389.8 Sp4

17902 GUILLAUME, J. Considérations sur le rhum. Cong. Internaz. Indus. Agr. Relaz. 9(1):1271-1272. 1952. 388 C765Re

17903 GVELESIANI, K. I. Complete reprocessing of residues in wine manufacture. (In Russian.) Vinodel. i Vinograd. 4:21-24. Apr.1952. 95.8 V77

17904 HALL, M. M. The coffee year in review. Coffee & Tea Indus. 75(11):108-109,121-123. Nov.1952. 389.8 Sp4

17905 HARRIS, R. E. Why radio sells coffee. Coffee & Tea Indus. 75(11):67. Nov.1952. 389.8 Sp4

17906 HEGDE, P. G. India's coffee crops and markets. Coffee & Tea Indus. 75(11):61,93. Nov.1952. 389.8 Sp4

17907 HIRSCHFELD, A. Le vin en Valais. Agriculture [Paris] 16:223-224. Sept.1952. 14 Ag823
The industry.

17908 INDIAN COFFEE BOARD. Eleventh annual report, Bangalore, (1950-51) (from July 1950 to June 1951), v. 1. Bangalore,1952. 218 p. 68.29 In23

17909 JACOBS, M. B. Uses of new flavoring material. Amer. Perfumer & Essential Oil Rev. 60:373, 375,377. Nov.1952. 308.8 Am3
Vanitrope, trade name for propenyl guaethol.

17910 JACOBS, R. Was erwarten wir vom 1952er? Weinbau 7:508-509. Sept.20,1952. 390.8 W432
Wine outlook in Germany.

17911 JIMÉNEZ CUENDE, F. Modernos tipos de prensa para vinificación. Agricultura [Madrid] 21:548-554. Oct.1952. 15 Ag84

17912 JOHNSTON, J. H. Die proteinfraktionen in würze und bier und ihre wirkung auf den brauprozess. (Sum.) Brauwelt 39:932. Sept.25,1952. 390.8 B732

17913 KATTAN, D. A. Coffee progress in Honduras. Coffee & Tea Indus. 75(11):56,67. Nov.1952. 389.8 Sp4

17914 KENYA. COFFEE BOARD. Premium prices for Kenyas? Coffee & Tea Indus. 75(11):59. Nov.1952. 389.8 Sp4

17915 KLAUSHOFER, H. Der DDT-gehalt von zwischen-, end- und abfallprodukten der brauerei bei verwendung von mit DDT bestäubter gerste. Verssta. f. das Gärungsgewerbe. Mitt. 6:91-97. July/Aug.1952. 390.08 V67

17916 KLENK. Neuzeitliche kellerwirtschaft unter besonderer berücksichtigung des tankgärverfahrens. Weinbau 7:545-547. (Cont.) Oct.1952. 390.8 W432

17917 KNAPP, A. La détermination de l'humidité et de la teneur en graisse dans les produits du cacao et du chocolat. Rev. International de la Choc. 7:263-264. 266. Sept.1952. 68.38 R32

17918 KNAPP, A. Dosage des matières minérales (cendre) et leurs alcalinités dans les produits du chocolat et du cacao. Rev. International de la Choc. 7:257-263. Sept.1952. 68.38 R32

17919 KNAPP, A. Neuerliche stellungnahme zum handelsindex für rohkakao. Rev. International de la Choc. 7:271-273. Sept.1952. 68.38 R32

17920 KOCH, J. The yield of nib from raw cocoa; scope for a scheme of grading. Confectionery Prod. 18:773,775,777. Oct.1952. 389.8 C762

17921 KOLBACH, P. Die herstellung der würze. (Sum.) Brauwelt 39:933. Sept.25,1952. 390.8 B732

17922 KOROTKEVICH, A. V. Method for analysis of oak wood. (In Russian.) Vinodel. i Vinograd. SSSR 3: 47-48. Mar.1952. 95.8 V77
Effect of oak containers on wine and cognac.

17923 KOZENKO, E. M. Stable carbon dioxide ethyl ether content in wine. (In Russian.) Vinodel. i Vinograd. 4:25-28. Apr.1952. 95.8 V77

17924 LANDRAU, E. Il y a trop de vins médiocres. (Extr.) Paysan Franç. 28(418):16-17. Oct.1952. 14 P29

17925 LARA, R. Coffee dangers—old and new. Coffee & Tea Indus. 75(11):53,86. Nov.1952. 389.8 Sp4
Problems of the industry.

17926 LINDSAY, C. G. Publicity with a purpose. Coffee & Tea Indus. 75(11):62,87-88,90. Nov.1952. 389.8 Sp4

17927 LÍÛBARSKAÍÀ, L. P., and FAL'KOVICH, S. B. Pyshev bentonite. (In Russian.) Vinodel. i Vinograd. SSSR 3:18-19. Mar.1952. 95.8 V77
In wine manufacture.

17928 MACKAYE, P. Coffee promotion will succeed only when proper brewing methods are used. Tea & Coffee Trade J. 103(5):64,66. Nov.1952. 68.8 T22

17929 MALKIN, B. W. Coffee in the U.K. Coffee & Tea Indus. 75(11):83,126. Nov.1952. 389.8 Sp4

17930 MALKIN, B. W. Tercentenary celebration, decontrol highlight U. K. coffee trade in 1952; National Coffee Week sponsored to stimulate retailers to take greater interest in coffee. Tea & Coffee Trade J. 103(5): 86. Nov.1952. 68.8 T22

17931 MARCUS, I. H. Selling premium wines. Wines & Vines 33(11):22-23. Nov.1952. 95.8 C122

17932 MARESCALCHI, C. Is wine adulteration increasing? (In Italian.) Agenzia Romana Note e Inform. Agr. 5(96):1-2. Nov.14,1952. 281.8 Ag3

17933 MARESCALCHI, C. Regulation of second class spirits and alcoholic materials. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(94):16. Nov.8, 1952. 281.8 Ag3

17934 MARESCALCHI, C. The success of the wine marketing program and grape pools. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(94):14-15. Nov. 8,1952. 281.8 Ag3

17935 MARIANI, E. Chromatographic research on the amino acids present in beer and brewers' wastes. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1087-1096. 1952. 388 C765Re
English summary.

17936 MASSART, L. Le comportement des substances azotées pendant le maltage et le brassage. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(1):905-906. 1952. 388 C765Re
English summary.

17937 MATHERS, A. P., and SCHOENEMAN, R. L. Polarographic determination of benzaldehyde in wine. Assoc. Off. Agr. Chem. J. 35:830-843. Ref. Nov.15, 1952. 381 As7

17938 MAZZEI, A. The manufacture of a drink similar to beer, using grape juice and wine. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1213-1220. 1952. 388 C765Re
English summary.

17939 MESTRE ARTIGAS, C. La industrialización en la preparación de vinos. Cong. Internaz. Indus. Agr. Relaz. 9(2):585-596. 1952. 388 C765Re
English summary.

17940 MIEDEMA, D. D. Le problème de vin en France. (In Dutch.) Econ.-Statis. Ber. 37:853-854. Nov.5,1952. 280.8 Ec722
French summary, p. 843.

17941 MILLS, D. Selling fruit and berry wines. Wines & Vines 33(11):24. Nov.1952. 95.8 C122

17942 MOSTER, J. B., and PRATER, A. N. Color of Capsicum spices. I. Measurement of extractable color. Food Technol. 6:459-463. Dec.1952. 389.8 F7398

17943 NATIONAL COFFEE ASSOCIATION. 1952 convention. Coffee & Tea Indus. 75(11):10-97. Nov. 1952. 389.8 Sp4

17944 NEUMAN, J. S. Coffee now has goodwill insurance. Coffee & Tea Indus. 75(11):13,23,69. Nov. 1952. 389.8 Sp4
Public relations.

17945 NICKE, W. Ursache und behebung von eiweisstrübungen bei weisswein. Österr. Weinztg. 7:117. Ref. Sept.25,1952. 390.8 Os7

17946 OERTZEN, U. VON. Einfluss auf die rohstoffpreise durch ganze massnahmen. Brauwelt 42:1020-1021. Oct.16,1952. 390.8 B732
Hops and barley.

17947 OSPINA B., S. No hay amenaza de super-producción cafetera. II. Agr. Trop. 8(8):43-47. Aug. 1952. 26 Ag8

17948 PARFENT'EV, L. N., and KOVALENKO, V. I. More about theory of champagne manufacture. (In Russian.) Vinodel. i Vinograd. 4:28-29. Apr.1952. 95.8 V77

17949 PARLOW, R. Lecithin in der schokoladenherstellung. Zucker- u. Süsswaren-Wirt. 5:748-749. Sept.20,1952. 286.86 Z8

17950 PARREIRA, A. M. The coffee picture today in Brazil. Coffee & Tea Indus. 75(11):45. Nov.1952. 389.8 Sp4

17951 PEYER, E. Neue ideen in der weinwerbung und im weinabsatz. Schweiz. Z. f. Obst- u. Weinbau 61:489-490. Nov.15,1952. 80 Sch9

17952 PEYER, E. Rotweine aus der Westschweiz. Schweiz. Z. f. Obst- u. Weinbau 61:466-467. Nov.1,1952. 80 Sch9

17953 PEYNAUD, E., and LAFOURCADE, S. Sur les conditions d'emploi de l'anhydride sulfureux dans les vins liquoreux. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de Vie. B. 42:20-31. July 1952. 390.9 F843

17954 PICKER, J. W. Selling brandy. Wines & Vines 33(11):26. Nov.1952. 95.8 C122

17955 POZZI-ESCOT, M. E. Técnica para valoración tártrica en los resíduos vínicos. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:286. May 1952. 385 R322

17956 POZZI-ESCOT, M. E. El tratamiento correctivo dado a los aguardientes. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:284. May 1952. 385 R322

17957 POZZI-ESCOT, M. E. Valoración del ferrocianuro en el deferrage de vinos. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:284. May 1952. 385 R322

17958 PRIDOROGINA, E. M. Defining method for determination of strength of cognacs and cognac spirits. (In Russian.) Vinodel. i Vinograd. 4:30-31. Apr.1952. 95.8 V77

17959 RAPALLI, P. Italienischer knoblauch. Obst u. Gemüse 4:909-910. Sept.18,1952. 286.83 Ob72

17960 REITER, F. Die wandlung des biergeschmackes und ihre beziehung zur reduktonfrage. Q. J. Studies Alcohol 41:987-988. Oct.9,1952. 390.8 B732

17961 RENTSCHLER, H., and TANNER, H. Über redoxpotentiale von getränken. Schweiz. Z. f. Obst- u. Weinbau 61:484-486. Nov.15,1952. 80 Sch9

17962 RIABCHENKO, I. M. On a method of continuous selection of microorganisms from industry. (In Russian.) Mikrobiologiîa 21(1):77-82. Jan./Feb.1952. 448.3 M582
Includes wine yeasts.

17963 RIBÉREAU-GAYON, J., and PEYNAUD, E. Sur l'emploi en vinification de quelques activeurs vitaminiques de la fermentation. Acad. d'Agr. de France. Compt. Rend. 39:444-448. June 25/July 9,1952. 14 P215Bc

17964 RIVEROS, J. E. Elaboración de vino semillon. Chacra 23(264):52. Nov.1952. 9 C34

17965 ROTINI, O. T. Biological integrity of wine and wine manufacturing technique. (In Italian.) Cong. Internaz. Indus Agr. Relaz. 9(1):547-564. Ref. 1952. 388 C765Re
English summary.

17966 ROUSSEL, W. Is cheaper coffee the answer? Coffee & Tea Indus. 75(11):19. Nov.1952. 389.8 Sp4

17967 RUTH, M. J. Outlook brightening for the coffee industry. Tea & Coffee Trade J. 103(5):90. Nov. 1952. 68.8 T22

17968 RUTH, M. J. Supply, demand, promotion. Coffee & Tea Indus. 75(11):23. Nov.1952. 389.8 Sp4
Coffee.

17969 SAENKO, G. N., and KOTLIARENKO, M. P. Pure yeasts in wine manufacture at the "Massandra" kombinat. (In Russian.) Vinodel. i Vinograd. 4:17-20. Apr.1952. 95.8 V77

17970 SARMANHO, W. L. U. S. consumers know very little about coffee. Tea & Coffee Trade J. 103(5): 54,56. Nov.1952. 68.8 T22

17971 SCHELLENBERG, H. Behälterfragen. Schweiz. Z. f. Obst- u. Weinbau 61:483-484. Nov.15,1952. 80 Sch9
For wine.

17972 SCHELLENBERG, A. Die verwertung der ostschweizerischen weinernte im herbst 1952. Schweiz. Z. f. Obst- u. Weinbau 61:459-466. Nov.1,1952. 80 Sch9

17973 SCHLICHTING, H. J. Science and natural spices. Assoc. Food Distrib. Foods World 1:33-35. 1951. 389.9 As76

17974 SCHREUDER, W. H. E., and SPOON, W. Over fermentatie en na-fermentatie bij cacao (On fermentation and re-fermentation of cacao). Inst. Afd. Trop. Prod. Ber. 236,8 p., Ref. Mar.1952. 503 Am82B
English summary.

17975 SPENCE, D. B. Smokeless coffee roasting. Coffee & Tea Indus. 75(11):24-25,51,69. Nov.1952. 389.8 Sp4

17976 STEFANELLI, G. Progress in machines for agricultural industries (wine and olive oil manufacture). (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):471-490. 1952. 388 C765Re

17977 SZILVINYI, A. Die kostprobe in der brauerei. Verssta. f. das Gärungsgewerbe. Mitt. 6:97-104. July/Aug.1952. 390.08 V67

17978 SZILVINYI, A. Tätigkeitsbericht der European Brewery convention. Verssta. f. das Gärungsgewerbe. Mitt. 6:84-89. July/Aug.1952. 390.08 V67

17979 TESTA, J. The coffee that is drunk in São Paulo. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:683-685. Aug.1952. 68.29 Sa63

17980 TIMOSHCHENKO, V. M., and CHIGIRIN, N. P. Preserving wine containers in sulfur water. (In Russian.) Vinodel. i Vinograd. 4:52. Apr.1952. 95.8 V77

17981 TOBON B., E. Contribución a la historia del café en América. Agr. Trop. 8(8):9-15. Aug.1952. 26 Ag8
Introduction by J. Pulgar Vidal.

17982 U. S. BUR. OF INTERNAL REVENUE. ALCOHOL AND TOBACCO TAX DIV. Statistics on wines (fiscal year ended June 20, 1952). Washington,1952. 15 p. 151.5 St2W

17983 WEARNE, W. R. How the public can be made more wine conscious. Wine & Spirit 21(10):6. Oct. 1952. 390.8 W725
Union of South Africa.

17984 WIAME, J. M., and LAMBION. Culture pure en vinaigrerie. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(2):641-642. 1952. 388 C765Re
Text also in English.

17985 WILSON, T. C. Tinplate for coffee cans is back. Coffee & Tea Indus. 75(11):69. Nov.1952. 389.8 Sp4

17986 WUHRER, P. The behavior of nitrogenous substances during germination and fermentation in the manufacture of beer. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):621-640. 1952. 388 C765Re
English summary.

17987 WUHRER, P. Colloidal anomalies of beer. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):565-578. 1952. 388 C765Re
English summary.

17988 YATES, S. S. Developments in paper bags for packaging coffee. Coffee & Tea Indus. 75(11):73, 106. Nov.1952. 389.8 Sp4

17989 ZNAMENSKIĬ, N. N. Organizing the material and technical supplies in the wine industry. (In Russian.) Vinodel. i Vinograd.,SSSR 3:42-43. Mar.1952. 95.8 V77

DAIRY PRODUCTS

17990 ALBERTS, R. What next? South. Dairy Prod. J. 52(6):82,84-85. Dec.1952. 44.8 So83
Butter versus vegetable oil.

17991 ALEXANDER, M. H., NELSON, W. O., and ORMISTON, E. E. Studies on the use of permanent milk pipelines in dairy barns. I. J. Dairy Sci. 35:874-880. Oct.1952. 44.8 J822

17992 ANDERSON, D. Dairy trends in the Midwest. Amer. Dairy Prod. Rev. 14(11):46-47. Nov.1952. 44.8 Am37

17993 BOCKLEIN, H. Tummelplatz "milchwirtschaft." Landwirt Wchnbl. 142:1149-1150. Oct.11,1952. 18 L2338
Germany.

17994 THE BUYER'S guide to the dairy & ice cream industries 1952. London,1952. 332 p. 225 B982

17995 CANADIAN DAIRY AND ICE CREAM JOURNAL. Dairy industry buyers' directory. Canad. Dairy & Ice Cream J. 31(11):98-100,102-104,109-110,112,114, 116,118,120-122,124,126,128,130. Nov.1952. 44.8 C162

17996 COCKMAN, B. Ontario's famous cheeses. Family Herald & Wk. Star 83(40):4-5. Oct.2,1952. 7 F21

17997 COHN, E. Significance of the creamery industry in the Danish economy. (In Danish.) (Excerpts.) Andelsbladet 53:1171-1173,1175. Nov.6,1952. 280.28 An2

17998 DECK, E. M. Vegetable fat frozen desserts. Ice Cream Rev. 36(4):48,78-79. Nov.1952. 389.8 Ic22

17999 DIAZ BARRIGA A., J. El problema de la leche en México. Ofic. Sanit. Panamer. B. 33:405-409. Nov. 1952. 449.9 P192B

18000 DIUBANOV, A. Development of dairy industry in Gomel Region. (In Russian.) Moloch. Promysh. 13(9): 19. Sept.1952. 44.8 M734

18001 EDSON, M. The story of Parmesan cheese. Natl. Food Distrib. J. 23(8):14. Nov.1952. 286.28 N212

18002 ESMOND, C. W. The milkman's dream. South. Dairy Prod. J. 52(5):137-138. Nov.1952. 44.8 So83

18003 FOLEY, D. Some impressions of Denmark. Irish Agr. & Creamery Rev. (n.s.)18(226):6-8. Oct.1952. 44.8 C866
Dairy industry.

18004 FRENSEL, O. Another call! (In Portuguese.) B. do Leite 6(63):1. Sept.1952. 44.8 B633
Brazilian dairy industry.

18005 HADLAND, G. Milk production and milk marketing in U. S. A. and at home. (In Norwegian.) Meieriposten 41:719-724,737-746,761-764. (Cont.) Oct. 4-18,1952. 44.8 M47

18006 HIBBEN, R. C. Two decades. South. Dairy Prod. J. 52(6):34-35,40. Dec.1952. 44.8 So83
International Association of Ice Cream Manufacturers

18007 HIBBEN, R. C. Two decades of effort for the ice cream industry. Dairy Foods Rev. 56(11):18,33. Nov.1952. 286.85 P11
International Association of Ice Cream Manufacturers.

18008 HUBER, J. Die entwicklung der allgäuer milchwirtschaft und das private unternehmertum. Deut. Molk.-Ztg. 73:1267-1268. Oct.3,1952. 44.8 Su2

18009 HUGHES, C. E. Dairying looks bright. (Condensed.) Certif. Milk 27(11):8-9,18. Nov.1952. 44.8 C33

18010 HUMPHRISS, E. L. E. The milk industry; a critical appreciation. Buyer's Guide Dairy & Ice Cream Indus. 1952,45-49. 225 B982
Great Britain.

18011 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. Directory of associate members 1952-1953. State College, Pa.,1952. 61 p. 225 In893

18012 KELLEY, N. D. Value and importance of dairy products. South. Dairy Prod. J. 52(6):37-39. Dec.1952. 44.8 So83

18013 KENNEDY, R., JR. A contemporary revolution. Ice Cream Field 60(5):37-38,41. Nov.1952. 389.8 Ic23
Frozen desserts made from fats other than milk fat.

18014 KIDSON, A. L. A five year plan for dairying. Dairyman 69:659,661,671. Nov.1952. 44.8 D1426
Australia.

18015 KIRNER, G. Erzeugungs- und leistungsstand der bayerischen milchwirtschaft. Molk.- u. Käserei-Ztg. 3:1110-1113. Sept.11,1952. 44.8 M736

18016 KNOWLES, N. R. Dairying in Northern Ireland—legislative and technical control of milk production. Soc. Dairy Technol. J. 5:299-308. Oct.1952. 44.8 So12
Includes discussion.

18017 KONINKLIJKE NEDERLANDSE ZUIVELBOND. Verslag [Report of the Royal Dairy Association], 1951. n.p.,1951. 125 p. 44.9 AL3V

18018 LEROY, A. Production et transformation laitières en Espagne. Agriculture [Paris] 16:227-229. Sept.1952. 14 Ag823

18019 MCCAMPBELL, F. H. Dairy products supply situation in Western States; 20,000 more dairy farms needed. Dairy Foods Rev. 56(11):30. Nov.1952. 286.85 P11

18020 MERLIN, D. Everybody's fare. Butter, Cheese & Milk Prod. J. 43(12):18-19,53-55. Dec.1952. 286.85 B98Bu
Dairy products.

18021 MONTANARI, V. Dairy production in Venetia. (In Italian.) Agr. delle Venezie 6:458-461. Oct.1952. 16 Ag826

18022 MORK, R. International cooperation in the dairy industry. (In Norwegian.) Meieriposten 41:701-706, 726-733. Sept.27-Oct.4,1952. 44.8 M47
Chiefly on the work of the Fédération Internationale de Laiterie.

18023 MOULE, G. Dairying "Down Under." Calif. Dairyman 32(21):15-16. Nov.15,1952. 44.8 C12
Queensland.

18024 MRS. TUCKER'S FOODS. PRODUCTS SERV. DEPT. Frozen desserts. South. Dairy Prod. J. 52(6): 88,90-91. Dec.1952. 44.8 So83

18025 MTO. MILCHWIRTSCHAFTLICHES Taschenbuch für Österreich, 1952. St. Johann in Tirol,1952. 240 p. 44.8 M112

18026 NIEMEYER, H. Wer immer strebend sich bemüht! Molk.- u. Käserei-Ztg. 3:1148-1150. Sept.11, 1952. 44.8 M736
Germany.

18027 NOME, H. Impressions about a trip in Holland. (In Norwegian.) Meieriposten 41:775-784. Oct.25,1952. 44.8 M47
The dairy industry in the Netherlands.

18028 RIO PÉREZ, A. DEL. Las industrias lácteas, base fundamental para el fomento de la ganadería de ordeño y de su producción lechera. Cong. Internaz. Indus. Agr. Relaz. 9(1):1177-1182. 1952. 388 C765Re
English summary.

18029 SCOTT, E. C. "Inside" ice milk—its current status. Ice Cream Field 60(5):27-28,30,62,64. Nov. 1952. 389.8 Ic23

18030 SRIVASTAVA, K. N. Dairy industry in India. Indian Dairyman 4:45-49. Sept.1952. 44.8 In282

18031 STAFFORD, J. Foreign fats product—new dessert. Chemistry 26(3):15-16. Nov.1952. 381 J826A

18032 STEENBERG, H. J. Record increase in milk production. (In Afrikaans.) Landbouweekblad 34(1739): 11. Nov.12,1952. 24 L232
Union of South Africa.

18033 TRELOGAN, H. C., and HERRMANN, L. F. Changing economic conditions in the dairy industry. Butter, Cheese & Milk Prod. J. 43(11):24-26,60-62,64. Nov.1952. 286.85 B98Bu

18034 TRELOGAN, H. C., and HERRMANN, L. F. Changing economic conditions in the dairy industry. Milk Dealer 42(2):58,60,62,64,66-68,70,72. Nov.1952. 44.8 M595

18035 TYRER, T. G. Another record year for New Zealand's dairy industry. New Zeal. Studmasters' Annu. Rev. 4:20-21. 1952. 49.7 N48

18036 VEISSEYRE, R., and JARROUSSE, H. L'orientation nouvelle de la beurrerie française et les problèmes généraux qu'elle soulève. Cong. Internaz. Indus. Agr. Relaz. 9(1):1019-1032. 1952. 388 C765Re
English summary.
Manufacture.

18037 VINCENT, G., and VANDEN MOORTEL, L. La production laitière belge envisagée spécialement du point de vue économique. Rev. de l'Agr. 5:1093-1130. Oct.1952. 13 R322
English summary.

18038 WEKRE, E. On a visit to Finland. (In Norwegian.) Meieriposten 41:618-622. (Cont.) Aug.23,1952. 44.8 M47
Creameries in Finland.

18039 WEKRE, E. On a visit to Finland. (In Norwegian.) Meieriposten 41:654-657,746-749. (Cont.) Sept. 6,Oct.11,1952. 44.8 M47
The dairy industry in Finland.

18040 WEWERS, E. Aus der arbeit des Zentralverbandes [Deutscher Molkereifachleute und milchwirtschaftler]. Molk.- u. Käserei-Ztg. 3:1108-1109. Sept.11, 1952. 44.8 M736

18041 WEWERS, E. Streiflichter aus USA. Molk.- u. Käserei-Ztg. 3:1156-1157. Sept.11,1952. 44.8 M736
Dairy industry.

18042 WHEELER, L. S. Costings and the milk industry. Milk Indus. 33(5):49-51. Nov.1952. 44.8 M593
Great Britain.

18043 WOLF, A. Die zentralisierung der schwedischen milchwirtschaft. Molk.- u. Käserei-Ztg. 3:1150-1152. Sept.11,1952. 44.8 M736

18044 ZWAGERMAN, C. Milk, our national raw material number 1. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:518-519,530-531. (Concl.) Aug.13-20, 1952. 44.9 AL3

Analysis and Composition

18045 ATHERTON, H. V., and BRADFIELD, A. Does your cream feather in coffee? Amer. Milk Rev. 14(11):18,20,22-23. Ref. Nov.1952. 44.8 Am38

18046 BAILEY, G. L. Variations in the solids-not-fat fraction of milk. Commonwealth Bur. Dairy Sci. Dairy Sci. Abs. 14:896-902. Ref. Dec.1952. 241 Im76

18047 BLINDOW, H. Untersuchungen über den tuberkelbakteriengehalt kurzzeiterhitzter handelsmilch. Giessen,1951. 39 p. Ref. 44 B613
Inaug.-Diss. - Giessen.

18048 BOEHM-AUST, B. Milchernährung und darmflora im säuglingsalter. Milchwissenschaft 7:366-369. Nov./Dec.1952. 44.8 M5933
English summary.

18049 BRITISH STANDARDS INSTITUTION. Methods for the chemical analysis of dried milk. Brit. Standards Inst. Brit. Standard 1743,11 p. 1951. 290.9 B77

18050 BRITISH STANDARDS INSTITUTION. Methods for the chemical analysis of liquid milk. Brit. Standards Inst. Brit. Standard 1741,14 p. 1951. 290.9 B77

18051 CECCARELLI, A., and FRANCIA, F. DEL. Research on the presence of enterotoxic Staphylococcus in milk. (In Italian.) Zooprofilassi 7:337-347. Ref. Aug. 1952. 41.8 Z72
English summary.

18052 CHANDA, R., and OWEN, E. C. The partition of phosphorus and aneurin in relation to phosphatase in the colostrum and milk of the cow. J. Agr. Sci. 42:403-412. Ref. Oct.1952. 10 J822

18053 EAGLES, B. A. The chemistry of milk proteins. 1. Canad. Dairy & Ice Cream J. 31(10):32-34,60. Ref. Oct.1952. 44.8 C162

18054 EVENHUIS, N. Citric acid and diacetyl. (In Dutch.) Nederlands Melk- en Zuivelt ijdschr. 6:280-282. July/Sept.1952. 44.8 N283
In butter manufacture.

18055 EWERBECK, H. Zum problem der kindermilch im lichte der modernen milchwissenschaft. Milchwissenschaft 7:369-375. Ref. Nov./Dec.1952. 44.8 M5933
English summary.
Composition.

18056 FUJINO, Y. On the glycerophosphatase of milk. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:124-128. Mar.1952. 107.6 H68
English summary.

18057 GERRITSMA, K. W. The importance of chromatographic analysis in the quantitative determination of lower fatty acids. (In Dutch.) Nederlands Melk- en Zuivelt idjschr. 6:266-280. Ref. July/Sept.1952. 44.8 N283
In dairy products.
Includes discussion.

18058 GRAHAM, D. M., PARMELEE, C. E., and NELSON, F. E. The carrier state of lactic streptococcus bacteriophage. J. Dairy Sci. 35:813-822. Ref. Oct. 1952. 44.8 J822

18059 HILLIG, F., and PALMER, J. C. Effect of feed on water insoluble fatty acids in cream. Assoc. Off. Agr. Chem. J. 35:852-855. Nov.15,1952. 381 As7

18060 HILLIG, F., and NORTH, W. R. Water insoluble fatty acids and butyric acid in cream stored at four degrees centigrade. Assoc. Off. Agr. Chem. J. 35: 844-852. Nov.15,1952. 381 As7

18061 ILGNER, G., and THURAU, R. Milchernährung und -verdauung beim säugling. Milchwissenschaft 7:378-381. Nov./Dec.1952. 44.8 M5933
English summary.
Bacterial count and homozenization of the milk.

18062 INVERNIZZI, R. The tendency of milk to curdle. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):791-806. Ref. 1952. 388 C765Re
English summary.

18063 JARRIGE, R. Les variations des constituants azotés du lait de vache. Cong. Internaz. Indus. Agr. Relaz. 9(2):851-868. Ref. 1952. 388 C765Re
English summary.

18064 JOHNSON, B. C., and SWANSON, A. M. Milk serum proteins. I. A quantitative biuret test for milk serum proteins. J. Dairy Sci. 35:823-828. Ref. Oct. 1952. 44.8 J822

18065 KÄSTLI, P. Die möglichkeit der übertragung von tuberkelbakterien durch den konsum von milch und milchprodukten. Milchwissenschaft 7:382-383. Ref. Nov./Dec.1952. 44.8 M5933
English summary.

18066 KEILLING, J., and CASALIS, J. La tendance des laits à cailler. Lait 32:486-489. Sept./Oct.1952. 44.8 L143

18067 KOZUKI, S., and others. On the butter fat, carotene and vitamin A contents of cow's milk in Hokkaido. I. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:132-136. Ref. Mar.1952. 107.6 H68
H. Ohara, M. Mitsumata, N. Yoshida, and N. Takano, joint authors.
English summary.

18068 LAWRENCE, C. E. A quick test for foreign fat. Ice Cream Field 60(6):56,73. Dec.1952. 389.8 Ic23
In frozen desserts.

18069 LAWRENCE, C. E. A quick test for foreign fats in frozen desserts. South. Dairy Prod. J. 52(6):124-125. Dec.1952. 44.8 So83

18070 LAWRENCE, C. E. A quick test for the presence of foreign fats in frozen desserts. Ice Cream Rev. 36(4):52,54-55. Nov.1952. 389.8 Ic22

18071 LYTHGOE, H. C. Freezing points of sour milks. Assoc. Off. Agr. Chem. J. 35:855-859. Nov.15, 1952. 381 As7

18072 MACDONALD, I. J. Milk proteins. III. The effect of enzymes on milk protein. Canad. Dairy & Ice Cream J. 31(11):62,64,84-85. Ref. Nov.1952. 44.8 C162

18073 MAYER-DIETFURT, H. Qualitätssteigerung durch käseprüfungen. Deut. Molk.-Ztg. 73(40):inside front cover. Oct.3,1952. 44.8 Su2

18074 MELNOTTE, P., FERNIER, L., and THOMAS, M. Le depistage de l'infection tuberculeuse des laits par l'examen direct. Méthode pratique de surveillance des laits de mélange. Applications epidémiologiques. Nancy. U. Facul. de Pharm. Assoc. des Diplômes de Microbiol. B. 3(48):3-17. July 1952. 448.2 N152

18075 MEYER, J., TOUILLIER, J., and MALGRAS, J. Les facteurs bactériolytiques antituberculeux des fromages. Lait 32:512-515. Sept./Oct.1952. 44.8 L143

18076 MURRAY, J. G. Bacteriological aspects of pasteurised milk with special reference to Northern Ireland. Soc. Dairy Technol. J. 5:324-330. Oct.1952. 44.8 So12
Includes discussion.

18077 MOCQUOT. Conceptions récentes sur la constitution de la caséine. Cong. Internaz. Indus. Agr. Relaz. 9(2):819-830. 1952. 388 C765Re
English summary.

18078 MOHR, W., and KOENEN, K. Feststellung der qualität von milchpulver insbesondere für den export. Deut. Molk.-Ztg. 73:1301-1306. Oct.10,1952. 44.8 Su2

18079 NEWLANDER, J. A. So your tests don't agree! Canad. Guernsey Breeders' J. 26(6):5,24. Nov. 1952. 43.8 C163
Butterfat.

18080 POZZI-ESCOT, M. E. El agua de incorporación en las mantequillas: el método rápido adaptado para su determinación. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:284. May 1952. 385 R322

18081 POZZI-ESCOT, M. E. Errores analíticos de concepto y sus desastrosas consecuencias económicas y sociales en la industria lechera. (Sum.) Rev. Bras. de Quím. (Cien. & Indus.) 33:282. May 1952. 385 R322

18082 POZZI-ESCOT, M. E. Nueva graduación del instrumental que sirve a la determinación industrial de la grasa en la leche. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:282,284. May 1952. 385 R322

18083 RANDOIN, L., and JOURDAN, C. Détermination des teneurs en eau et matière sèche, en calcium et en phosphore de deux variétés de fromages à pate demi-dure et a moisissures internes. Lait 32:481-485. Sept./Oct.1952. 44.8 L143

18084 ROEDER, G. Fehlermöglichkeiten und fehlergrenzen der reduktaseprobe. Kontrollangestellte, p. 1-2. (Cont.) In Unser Milchvieh 4(8). Aug.1952. 43.8 Un7

18085 ROSE, D. Milk proteins. II. The effect of heat on milk proteins. Canad. Dairy & Ice Cream J. 31(11):59-60,62. Ref. Nov.1952. 44.8 C162

18086 SEEKLES, L., and SMEETS, W. G. T. M. La tendance des laits à cailler; recherches des causes et remèdes. Cong. Internaz. Indus. Agr. Relaz. 9(2): 807-818. 1952. 388 C765Re
English summary.

18087 SEELIGER, H. Die keimzahlbestimmung und differenzierung coliformer bakterien in milch und speiseeis. Milchwissenschaft 7:389-394. Nov./Dec. 1952. 44.8 M5933
English summary.

18088 SELIGMAN, R. Milk and metals—1951. I. Indian Dairyman 4:41-43,49. Sept.1952. 44.8 In282
Effect of metal equipment on milk.

18089 SHILOVICH, M., and KORNILOVA, O. Fast method of determining solubility of dried milk products. (In Russian.) Moloch. Promysh. 13(9):27-29. Sept.1952. 44.8 M734

18090 SIMONART, P., KWANG, Y. C. The separation of pepsin from rennet by micro-electrophoresis and by paper chromatography. (In Dutch.) Nederlands Melk- en Zuivelt ijdschr. 6:206-213. July/Sept.1952. 44.8 N283
English summary.

18091 SOMMER, H. H. Evaluating future trends in the worth of milk constituents. Canad. Dairy & Ice Cream J. 31(10):29-31,58,60. Oct.1952. 44.8 C162

18092 SPUR, B., and WOLMAN, I. J. An evaluation of the curd-forming properties of milk mixtures used in infant and child feeding. J. Ped. 41:541-548. Nov.1952. 448.8 J8291

18093 STACH, W., and SCHRADER, A. Untersuchungsmethoden für molkereilaboratorien. Berlin, Deutscher Bauernverlag,1951. 100 p. 44 St1

18094 TARASSUK, N. P., and NURY, M. S. Effect of incipient enzymatic proteolysis on the viscosity and heat stability of evaporated milk. J. Dairy Sci. 35:857-867. Ref. Oct.1952. 44.8 J822

18095 THOMAS, S. B., GRIFFITHS, D. G., and THOMAS, B. F. Heat resistant bacteria in raw milk. VII. Comparison of methylene blue reduction and thermoduric colony count. Soc. Dairy Technol. J. 5:331-334 Oct.1952. 44.8 So12

18096 TITTSLER, R. P., and others. Symposium on the lactic acid bacteria. Bact. Rev. 16:227-260. Ref. Dec,1952. 448.3 B13
C. S. Pederson, E. E. Snell, D. Hendlin, and C. F. Niven, Jr., joint authors.

18097 ULLBERG, S. Antibiotics in milk. A quick method for their demonstration. (In Swedish.) Nord Vetmed. 4:1061-1077. Ref. Nov.1952. 41.8 N813
English summary.

18098 VAJIĆ, B. Pretrage ziveznih namirnica (priručnik za studente farmaceutskog fakulteta). I. Mlijeko i mlijecni proizvodi [Analyses of food elements (handbook for students of pharmaceutical faculty), 1. Milk and milk products]. Zagreb,Grafičke Škole,1951. 112 p. 389 V22

18099 WAGENER, K. Untersuchungen von trinkmilch auf gehalt an Tb-bakterien. Molk.-Ztg. 6:936-938. Sept.4,1952. 44.8 M735

18100 WHITNEY, R. M., PAULSON, K., and MURTHY, G. K. A test of the heat stability of milk proteins for use in research. J. Dairy Sci. 35:937-948. Nov.1952. 44.8 J822

Consumption and Utilization

18101 BURE, J., and JARROUSSE, H. Essais français d'addition de poudre de lait en panification. Cong. Internaz. Indus. Agr. Relaz. 9(2):713-724. 1952. 388 C765Re
English summary.

18102 COLLISSON, C. F. Consumer sales of nonfat dry milk pushing upward. Amer. Dairy Prod. Rev. 14(11): 22-23,26-27. Nov.1952. 44.8 Am37

18103 VISCO, S. The incorporation of milk powder and other nutritive elements in bread. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):207-214. 1952. 388 C765Re

18104 WIRTH, W. Zum milchverbrauch deutscher grossstädte. Milchwissenschaft 7:384-388. Nov./Dec. 1952. 44.8 M5933
English summary.

Distribution, Marketing, and Transportation

18105 AMERICAN GUERNSEY CATTLE CLUB. Panel on "merchandising Golden Guernsey milk." I-II. Guernsey Breeders' J. [Peterborough] 86:1273-1278,1308; 87:19-25. Dec.1,1952, Jan.1,1953. 43.8 G93

18106 BAUMAN, J. N. Transportation economics in the milk industry. Milk Plant Mon. 41(11):66-71. Nov.1952. 44.8 C864
Truck transportation.

18107 BYRNE, R. J. Rochester dairy "rolls its own." News Farmer Coop. 19(8):8-9. Nov.1952. 166.2 N47
Costs of hauling fluid milk by Rochester (Minn.) Dairy Cooperative.

18108 DARLING, C. S., and SCHREIBER, G. R. Automatic merchandising of ice cream. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 47(4):30-37. 1951. 389.9 In83

18109 FITZGIBBONS, J. J., JR. Serving theater concessions. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 47(4):49-50. 1951. 389.9 In83

18110 FRYE, M. Theater merchandising. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 47(4):43-46. 1951. 389.9 In83

18111 GREENHALGH, P. J. Experience in and future potentials of ice cream sales in theaters. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 47(4):41-43. 1951. 389.9 In83

18112 HOVEY, V. F., JR. A program for selling the half gallon package. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 47(4):38-41. 1951. 389.9 In83

18113 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. Report of the proceedings of the 47th annual convention, Detroit, Michigan, October 22nd, 23rd, 24th, 1951, volume 4. The Ice Cream Merchandising Institute; the merchandising session. n.p., 1951. 54 p. 389.9 In83

18114 KISS, J. A. When you're selling milk the customer is as important as the product. Amer. Milk Rev. 14(11):28,30,79. Nov.1952. 44.8 Am38

18115 KUNKEL, A. C. Maintaining a bulk market. Ice Cream Field 60(6):28,30,32,65. Dec.1952. 389.8 Ic23

18116 NEETHLING, H. L. A basis for the purchase of milk for cheesemaking. Farming So. Africa 27:433-435. Sept.1952. 24 So842

18117 PRIES, R. Theater vending. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 47(4):46-49. 1951. 389.9 In83

18118 RIBEIRO, J. A. Supplying of milk to Maceió. (In Portuguese.) B. do Leite 6(63):3,5. Sept.1952. 44.8 B633

18119 ROTTENSTEN, J. The German butter market. (In Danish.) Denmark. Landbrraadet Meddel. 46:765-768. Oct.23,1952. 11 D415L

18120 SAUER, H. Milchwerbung in Hamburg. Molk.- u. Käserei-Ztg. 3:1081-1083. Sept.4,1952. 44.8 M736

18121 SAUNDERS, F. J., JR. First aid for the Base-Surplus Plan in Virginia controlled milk markets. Va. Agr. Col. Ext. Va. Farm Econ. 132:30-33. Aug.1952. 275.29 V813

18122 THOMSON, W. D. Milk utilisation in Northern Ireland. Soc. Dairy Technol. J. 5:309-315. Oct.1952. 44.8 So12
Includes discussion.
Marketing.

18123 TRAVER, E. Land O'Lakes builds solid business. News Farmer Coop. 19(7):3,8. Oct.1952. 166.2 N47
Land O'Lakes Creameries, Inc.

18124 TWIN CITY MILK PRODUCERS ASSOCIATION. Thirty-fifth anniversary report. St. Paul,1952. 23 p. 44 T92

18125 UNITED FARMERS OF NEW ENGLAND. United Farmers go to market; the story of New England's largest dairy marketing cooperative. Boston,1951? 32 p. 280.344 Un324

18126 U. S. DEPT. OF AGRICULTURE. Special short course in marketing dairy products. Washington, 1952. 38 p. 1.90 A2Sp32
U. S. Mutual Security Agency and the Universities of Tennessee and Minnesota cooperating.

18127 WOODRUFF, A. C. Farm tank pick-up of milk. South. Dairy Prod. J. 52(5):84-88. Nov.1952. 44.8 So83

Grading, Inspection, Standardization, and Quality

18128 ASPIN, G. D. Some anomalies in the law relating to infection of milk. Roy. Sanit. Inst. J. 72:725-731. Nov.1952. 449.9 R812
Includes discussion.

18129 BOLLESTAD, H. Regulation of the dairy industry. (In Norwegian.) Meieriposten 41:665-668. Sept.13, 1952. 44.8 M47
Milk marketing.

18130 BURGWALD, L. H., PAXTON, J. A., and GOULD, I. A. Some factors affecting the quality of concentrated market milk. Milk Dealer 42(2):50,130-134. Nov.1952. 44.8 M595

18131 CLABORN, H. V., and WELLS, R. W. Methoxychlor, DDT, CS-708 and dieldrin—their rates of excretion in milk. Agr. Chem. 7(10):28-29,115. Oct. 1952. 381 Ag8

18132 CROWE, L. K. Some troublesome flavors in our market milk. Milk Plant Mon. 41(11):74-78. Nov. 1952. 44.8 C864

18133 FRENZEL, O. The duty of the milk producer. (In Portuguese.) Lavoura 56:44. July/Aug.1952. 9.2 L39
Quality production in Brazil.

18134 KRUISHEER, C. I. Defects in flavour of liquid milk caused by oxidative processes. (In Dutch.) Nederlands Melk- en Zuiveltijdschr. 6:242-256. Ref. July/Sept.1952. 44.8 N283
English summary.

18135 KRUISHEER, C. I. Effect of light on quality of consumer milk. (In Dutch.) (Sum.) Nederland. Zuivelbond. Off. Orgaan 44:515-516. Aug.13,1952. 44.9 AL3

18136 LUDWIG, O. Marktordnung in der freien wirtschaft. Deut. Molk.-Ztg. 73:1263. Oct.3,1952. 44.8 Su2

18137 MCDOWELL, D. N. The milk house requirement. Milk Dealer 42(2):104-107. Nov.1952. 44.8 M595
Wisconsin.

18138 MARCHUKOV, M. Cheese marking by grades. (In Russian.) Moloch. Promysh. 13(9):46-47. Sept.1952. 44.8 M734

18139 MARTIN, W. H. Ice cream flavor and color standardization. Ice Cream Field 60(5):74-76. Nov.1952. 389.8 Ic23

18140 MEYN, A. Zur frage der tierärztlichen milchüberwachung. Lebensmitteltierarzt 3:73-75. Aug. 1952. 41.8 L49
Germany.

18141 MOORE, A. V., and LEIGHTON, R. E. Factors affecting gummy butter. Tex. Agr. Expt. Sta. B. 752,11 p. Sept.1952. 100 T31S

18142 MOSER, G. Die saarländische milchwirtschaft im qualitätswettbewerb. Deut. Molk.-Ztg. 73: 1308. Oct.10,1952. 44.8 Su2

18143 NEW JERSEY. DEPT. OF HEALTH. Proposed revision of the New Jersey State Sanitary Code. N. J. Dept. Health. Pub. Health News 33:259-290. Oct.1952. 449.7 N46P
Includes regulation of milk products.

18144 OLESEN, O. Butter critic's remarks. Amer. Dairy Prod. Rev. 14(11):30-32. Nov.1952. 44.8 Am37
Quality.

18145 POLIKOFF, H. The dating of milk - a burden or benefit to the public interest? New York,1952. 13 p. 44 P752

18146 PRICE, W. V. Standardizing milk for cheese. Butter, Cheese & Milk Prod. J. 43(12):16-17,32-33. Dec.1952. 286.85 B98Bu

18147 PRICE, W. V. Standardizing milk for cheese. Cheese Rptr. 77(15):3,7. Nov.28,1952. 44.8 Sh3

18148 REID, W. H. E. Point the arrows in. Certif. Milk 27(11):14. Nov.1952. 44.8 C33
Milk quality.

18149 SCHLOENDORN, F. Möglichkeiten der kenn. zeichnung von rindenkäse. Molk.- u. Käserei-Ztg. 3: 1133-1134. Sept.11,1952. 44.8 M736
Labelling.

18150 SMILLIE, D. M. Quality in milk. I. Scot. Agr. 32:105-110. Autumn 1952. 10 Sco82So

18151 SPEINLE. Warum wird der reinheitsgrad bei der qualitätsbezahlung der milch nicht gewertet? Allgäuer Bauernbl. 20:557. Oct.9,1952. 18 AL53

Packing and Packaging

18152 BRYANT, C. B. A. Farm tank holding of milk with tank truck pick up. Cheese Rptr. 77(10):5-6. Oct. 24,1952. 44.8 Sh3

18153 GLASS MANUFACTURERS INSTITUTE. Glass bottle program aids milk distributors. South. Dairy Prod. J. 52(5):132-133. Nov.1952. 44.8 So83

18154 MYRICK, N. The gallon jug moves ahead in Ohio. Amer. Milk Rev. 14(11):46-48. Nov.1952. 44.8 Am38

18155 RAUSING, H. Paper consumption and milk containers. (In Swedish.) Svensk Papperstidn. 55:540-543. Aug.31,1952. 302.8 Sv2

18156 SEUBERT, R. F., and ANDREWS, E. D. Using an inhibitor to prevent oxidation in waxed cartons. Butter, Cheese & Milk Prod. J. 43(12):24,56-58. Dec. 1952. 286.85 B98Bu
For dairy products.

18157 TRACY, P. H., EDMAN, G., and KURMANN, J. Insulated bags for the carry home ice cream trade. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 47(4):17-30. 1951. 389.9 In83

Prices, Price Control, and Rationing

18158 NEW YORK (STATE) TEMPORARY COMMISSION ON AGRICULTURE. A manual of procedure for milk price spread analysis in New York State. New York, 1951. 121 p. 284.344 N482

18159 SPENCER, L. Some needed improvements in the pricing of market milk. Milk Dealer 42(2):108,110-112,114. Nov.1952. 44.8 M595

18160 VIAL, E. E. Volume and price of New York cream in the Boston weighted average price of bottling quality cream. Milk Dealers' Assoc. Metrop. N. Y. Mon. Membership Let. 68:1-11. Nov.26,1952. 280.3449 M593

Processing and Storage

18161 AL, J. La diminution de la teneur en sel et en lactose du petit lait par un procédé d'électrodialyse. Cong. Internaz. Indus. Agr. Relaz. 9(2):913-920. 1952. 388 C765Re

18162 ALESHKO, S. Average progressive norms for milk consumption in cheese manufacture. (In Russian.) Moloch. Promysh. 13(9):15-17. Sept.1952. 44.8 M734

18163 ALTENRIED, K. Sind tägliche aufzeichnungen über den fabrikationsvorgang in der emmentalerkäserei notwendig? Deut. Molk.-Ztg. 73(41):inside front cover. Oct.10,1952. 44.8 Su2

18164 BACHMANN, H. Die technik der sterilmilchherstellung. Molk.- u. Käserei-Ztg. 3:1123-1129. Sept.11,1952. 44.8 M736

18165 BEHMER, M. L. A. Reduction of acids in cream. (In Portuguese.) B. do Leite 6(63):7. Sept.1952. 44.8 B633

18166 BÖHM, W. Sind bei molkereien senkungen der unkosten durch verbesserung der kraft-wärme-wirtschaft möglich? Molk.- u. Käserei-Ztg. 3:1140-1144. Sept.11, 1952. 44.8 M736

18167 BOLGAR, I. Plastic acidophilic cream. (In Russian.) Moloch. Promysh. 13(9):40. Sept.1952. 44.8 M734
Cream treated with Bacterium acidophilum.

18168 BOSTICCO, A., and UBERTALLE, A. Perspectives sur l'emploi d'échangeurs ioniques dans le traitement de laits collectifs excessivement acides. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:118-131. 1951. 41.9 So17
French and German summaries.

18169 BRAITHWAITE, M. A nose for cheese. Family Herald & Wk. Star 83(42):7,18. Oct.6,1952. 7 F21
Curing Cheddar cheese.

18170 BRATLIE, O. Production hygiene and milk quality. (In Norwegian.) Tidsskr. f. det Norske Landbr. 59:243-251. July/Aug.1952. 11 T433
English summary.
Chiefly on the use of detergents for milk utensils.

18171 BRATLIE, O. Sterilization of milk utensils. (In Norwegian.) Tidsskr. f. det Norske Landbr. 9/10:253-268. Sept./Oct.1952. 11 T433
English summary.

18172 BROG, F., and HAVIGHORST, C. R. New cheese plant streamlines Swiss process. Food Engin. 24(12):93-96,197. Dec.1952. 389.8 F737

18173 BROWN, P. B. H. Refrigeration in the dairy industry. Soc. Dairy Technol. J. 5:287-292. Oct.1952. 44.8 So12
Includes discussion.
Equipment.

18174 BRUNCKE, R. Die praxis der hart-, weich- und sauermilchkäserei. Berlin,Deutscher Bauernverlag, 1951. 175 p. 44 B834

18175 BUYZE, H. G. Seed-lactose for the manufacture of condensed milk. Nederlands Melk- en Zuiveltijdschr. 6:218-232. July/Sept.1952. 44.8 N283

18176 CAMUS, A., and CLAVEAU, J. Étude du vieillissement des lactosérums laitiers en poudre. Cong. Internaz. Indus. Agr. Relaz. 9(1):941-952. 1952. 388 C765Re
English summary.

18177 CHETHAM, A. W. G. Some common stabilisers used in ice cream. Buyer's Guide Dairy & Ice Cream Indus. 1952,50-53. 225 B982

18178 COMBS, W. B. Preparation of hardened ice milk. Ice Cream Rev. 36(4):111-113. Nov.1952. 389.8 Ic22

18179 COOPERATIVE AUDITING SERV. Summary of comparative costs of operation,periods ending May 1, 1951 to April 30, 1952, cooperative creameries. Minneapolis,1952. 58 p. 284.9 C78

18180 CORDES, W. A. Starter control for manufacture of buttermilk and cottage cheese. South. Dairy Prod. J. 52(6):129-133,136-140. Dec.1952. 44.8 So83

18181 COSTA, J. R. DA. Butter manufacture. (In Portuguese.) B. do Leite 6(63):9,11. Sept.1952. 44.8 B633

18182 EVENHUIS, N. The manufacture of aromatic butter. II. Nederlands Melk- en Zuiveltijdschr. 6:195-205. Ref. July/Sept.1952. 44.8 N283

18183 FABRIS, A. Present considerations on the dairy theme. (In Italian.) Italia Agr. 89:643-646. Oct. 1952. 16 It1
Cheese production.

18184 FERNÁNDEZ, G. M. Indicaciones para mejorar la elaboración de quesos. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:287-288. 1951/52. 9 Ag874

18185 FITZMAURICE, D. T. Engineering aspects of HTST. Ice Cream Field 60(5):58,60,73. Nov.1952. 389.8 Ic23

18186 GALLWEY, G. B. Factory costs. Austral. Dairy Rev. 20(10):10-12. Oct.1,1952. 44.8 Au73

18187 GIBSON, D. L. The reconstitution of dry milk solids. Commonwealth Bur. Dairy Sci. Dairy Sci. Abs. 14:818-825. Ref. Nov.1952. 241 Im76

18188 GOMEZ, A. 20 consejos para la elaboración del queso. Tierra [México] 7:454-456. July 1952. 8 T445

18189 GONZÁLEZ CANTISANO, A. B. El queso romano argentino. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:123-126. 1951/52. 9 Ag874
Manufacture.

18190 GORDIENKO, P. On thermal phenomena in the process of butter manufacture. (In Russian.) Moloch. Promysh. 13(9):30-32. Sept.1952. 44.8 M734

18191 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Approved hypochlorites in milk production. Gt. Brit. Min. Agr. & Fisheries. Growmore L. 103,6 p. 1952. 10 G79Gr

18192 GREMO, A. Milk production during the warm season. (In Swedish.) Mjölkpropagandan 29:182-183. Aug.1952. 44.8 M692
Sanitation.

18193 GRUNDMANN, H. G. Camembert-käse. Molk.- u. Käserei-Ztg. 3:1134-1136,1138. (Cont.) Sept. 11,1952. 44.8 M736
Manufacture.

18194 HARPER, W. J., MASKELL, K. T., and HARGROVE, R. E. Italian cheese ripening. Butter, Cheese & Milk Prod. J. 43(12):20-21,36-38. Dec.1952. 286.85 B98Bu

18195 HILLIAR, R. Milk treatment and distribution in Britain. New Commonwealth 24:470-473. Nov.10, 1952. 280.8 C88
Includes pasteurization.

18196 HILLS, G. L. The production and utilization of milk solids in Australia. Austral. Inst. Agr. Sci. J. 18: 130-134. Sept.1952. 23 Au74

18197 JOCHIMS, J. Über die bedeutung der kuhmilch-homogenisierung für die säuglingsernährung. Milchwissenschaft 7:375-377. Nov./Dec.1952. 44.8 M5933
English summary.

18198 JOSESPHSON, D. V. The latest developments in dairy food research. South. Dairy Prod. J. 52(5):44-47. Nov.1952. 44.8 So83

18199 KAMBAR, C. S., REINBOLD, G. W., and HUSSONG, R. V. A plating method for the isolation and enumeration of propionibacteria. J. Dairy Sci. 35:915-919. Nov.1952. 44.8 J822
In Swiss cheese manufacture.

18200 KRIENKE, W. A., and MULL, L. E. Delicate flavors of fresh citrus captured in new ice creams. Ice Cream Rev. 36(4):46-47,68. Nov.1952. 389.8 Ic22

18201 KRIENKE, W. A., and MULL, L. E. Delicate flavors of fresh citrus captured in new ice creams. South. Dairy Prod. J. 52(6):133-134. Dec.1952. 44.8 So83

18202 KRIENKE, W. A., and MULL, L. E. Fresh citrus flavors in unique ice creams. Ice Cream Field 60(6):68-69. Dec.1952. 389.8 Ic23

18203 LEEDER, J. G., and MARTIN, R. V. Effects of the hydrotron on milk and milkstone formation. J. Dairy Sci. 35:920-928. Nov.1952. 44.8 J822
On dairy equipment.

18204 LE ROI, D. Stainless steel for dairy equipment. Dairyman 69:707-709,719. Dec.1952. 44.8 D1426

18205 LEZAETA, M. Acción en la leche por el uso regular de fermentos; sus efectos en los quesos elaborados. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:108. 1951/52. 9 Ag874

18206 LINSMAYER, A. Voraussetzungen für eine vorschriftsmässige milcherhitzung. II. Erfahrungen beider amtlichen überprüfung von milcherhitzungseinrichtungen. Molk.- u. Käserei-Ztg. 3:1118-1121. Sept.11, 1952. 44.8 M736

18207 MACKENZIE, P. K. British dairy equipment for export. Buyer's Guide Dairy & Ice Cream Indus. 1952,54-69. 225 B982

18208 MCMILLEN, B. Creamless "ice cream". Farm J. 76(12):32,107. Dec.1952. 6 F2212
Vegetable oil ice creams.

18209 MAKAR'IN, A. Utilization of buffer salts for improving the keeping quality of butter. (In Russian.) Moloch. Promysh. 13(9):24-27. Sept.1952. 44.8 M734

18210 MARSDEN, A. W. The Commonwealth Bureau of Dairy Science. Soc. Dairy Technol. J. 5:282-286. Oct.1952. 44.8 So12

18211 MATALLANA VENTURA, S. Conservación de quesos. Agr. Trop. 8(8):49-52. Aug.1952. 26 Ag8

18212 MATTHEWS, J. Developments in the use of milk machinery in overseas countries. Soc. Dairy Technol. J. 5:316-318. Oct.1952. 44.8 So12
Dairy equipment.

18213 MOHR, W. Fragen der reinigung in der milchwirtschaft. (Sum.) Fette u. Seifen 54:621. Oct.1952. 384 C422

18214 MOL, J. J., and TENDELOO, H. J. C. Some investigations on the formation of the crust of cheese under pressure. (In Dutch.) Nederlands Melk- en Zuiveltijdschr. 6:214-217. July/Sept.1952. 44.8 N283

18215 MOORE, A. V. Texas A & M progress report in-place cleaning of sanitary pipe lines. Butter, Cheese & Milk Prod. J. 43(11):28-29,43-44. Nov.1952. 286.85 B98Bu

18216 MUELLER, H. F., NELSON, W. O., and WOOD, W. A. The effect of copper upon the activity of bacteria associated with Swiss cheese manufacture. J. Dairy Sci. 35:929-936. Nov.1952. 44.8 J822

18217 MULVANY, J. L. Preparación de suerofermento para queseria. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:432-436. 1951/52. 9 Ag874

18218 NAI, D. D., and others. The chemical sanitation of milk (results of the first practical application). (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:493-498. 1951. 41.9 So17
G. Alberti, M. Bertani, G. Giolitti, A. Grisotti, R. Nemec, and A. Rognoni, joint authors.
English summary.
Hydrogen peroxide used.

18219 PETTE, J. W., and KOOY, J. S. Bacteriophages in yoghurt. (In Dutch.) Nederlands Melk- en Zuiveltijdschr. 6:233-241. July/Sept.1952. 44.8 N283
English summary.

18220 PISCHEL, J. Homogenisierter rahm in der holländer käserei. Molk.- u. Käserei-Ztg. 3:1130-1133. Sept.11,1952. 44.8 M736

18221 RATCLIFF, J. D. More milk for less money. Reader's Digest 32:119-120. Jan.1953. 110 R22
Dried skim milk.

18222 ROSATI, T., and BERARDUCCI, C. Concerning the sterilization of milk and cheese naturally contaminated by Coxiella burnetii. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:348-355. 1951. 41.9 So17
English summary.

18223 RÜTERS, P. Der heutige patent- und gebrauchsmusterschutz. Molk.- u. Käserei-Ztg. 3:1146-1147. Sept.11,1952. 44.8 M736

18224 SALEWSKI, H. Voraussetzungen für eine vorschriftsmässige milcherhitzung. I. Vorwort. Molk.- u. Käserei-Ztg. 3:1117-1118. Sept.11,1952. 44.8 M736

18225 SCHADE, H. Uber kakaotrunkerzeugnisse und ihre herstellung. Molk.- u. Käserei-Ztg. 3:1121-1122. Sept.11,1952. 44.8 M736

18226 SEITZ, E. O. Quecksilberlampen im molkereibetrieb. Deut. Molk.-Ztg. 73:1306-1307. Oct.10,1952. 44.8 Su2
Ultraviolet radiation for irradiating milk and killing bacteria.

18227 SHAW, D. D. Problems in cleaning high temperature equipment. South. Dairy Prod. J. 52(5): 134-135. Nov.1952. 44.8 So83

18228 SMYTHE, V. R., and LIGHTBODY, L. G. The maintenance of phage-free cheese starter cultures. Queensland Agr. J. 75:172-182. (Cont.) Sept.1952. 23 Q33

18229 STROHM, J. A new market for whole milk; plants that put "fresh" whole milk in cans pay grade A fluid prices, simplify farm handling. Country Gent. 122(11):70,72-73. Nov.1952. 6 C833

18230 STÜSSI, D. Wie wird die markenbutter FLORALP hergestellt? Grüne 80:1218-1228. Nov.7,1952. 17 Sch9

18231 SVENSKA MEJERIERNAS RIKSFÖRENING. Redogörelse för verksamheten vid SMR:s Centrallaboratorium Malmö 1951. [Report on the activities of the Central Laboratory of the National Association of Swedish Dairies, Malmö, 1951. Malmö,1952. 48 p. 44.9 Sv2

18232 TERROINE. Antibiotics interfere in the dairy industry. (In Portuguese.) Rev. dos Criadores 23(8):45-47. Aug.1952. 43.8 R32

18233 THOMÉ, K. E., and SWARTLING, P. Ensilagekvalitet och herrgardsost. Silage quality and Herrgård cheese. Alnarps Lantbr.-, Mejeri-och Trädgardsinst. Stat. Mejeriförsök. Meddel. 38,59 p. Ref. 1952. 44.9 AL6

18234 TRENDTEL. Die gesundheitliche bedeutung der kontrolle einer ordnungsmässigen milcherhitzung. Molk.-Ztg. 6:939-941. Sept.4,1952. 44.8 M735
Germany.

18235 URIAN, G. C. Cold milk clarification—separation—standardization. South. Dairy Prod. J. 52(6):98-100,102,104,110,112. Dec.1952. 44.8 So83

18236 WAKEMAN, A. H. Your batch freezer. Ice Cream Field 60(6):48,74. Dec.1952. 389.8 Ic23

18237 WAYWELL, J. Condensed and evaporated milk in ice cream. Dairyman 69:657,659. Nov.1952. 44.8 D1426

18238 WAYWELL, J. Heat-treatment of lollies; what is the legal position? Ice Cream Indus. 30:459-460. Nov.1952. 389.8 Ic24

18239 WAYWELL, J. Overrun—its use and abuse. Dairyman 69:717-718. Dec.1952. 44.8 D1426

18240 WEARMOUTH, W. G. Some effects of variations in temperature on the firmness of Cheddar cheese. Dairy Indus. 17:994-997. Nov.1952. 44.8 D1427

18241 WEKRE, E. Cooling of milk on the farms. (In Norwegian.) Meieriposten 41:611-617. Aug.23,1952. 44.8 M47

18242 WELDEN, W. C. How we can improve ice cream research. Ice Cream Field 60(6):42-44,72. Dec. 1952. 389.8 Ic23

18243 WILCKE, E. Die anwendung von homogenisiermaschinen bei verschiedenen milcherzeugnissen. Molk.- u. Käserei-Ztg. 3:1076-1078. Sept.4,1952. 44.8 M736

18244 WINDLAN, H. M., and SHEURING, J. J. The vanilla sweetener relationship in ice cream. South. Dairy Prod. J. 52(6):74-76,80. Dec.1952. 44.8 So83

18245 WOODRUFF, A. C. Bulk milk cooling. Refrig. Engin. 60:1276-1278,1332. Dec.1952. 295.9 Am32J

18246 ZAKARIASEN, B. M. Sanitation in the butter plant. Butter, Cheese & Milk Prod. J. 43(12):25-26. Dec.1952. 286.85 B98Bu

Statistics

18247 DANSKE MEJERIFORENINGERS FAELLESORGANISATION. KONTORET FOR MEJERI-STATISTIK. Danmarks mejeri-statistik 1952 [Denmark's creamery statistics 1952]. København,1952. 154 p. 44.9 D41A

18248 DUTCH dairy produce—pre-eminent in world trade. Rotterdamsche Bank. Q. Rev. 3:7-36. 1952. 284.8 R74
Statistics of the industry.

18249 GT. BRIT. COMMONWEALTH ECONOMIC COMMITTEE. Dairy produce, a summary. London, 1952. 119 p. 280.39 G794C
Statistics.

18250 HILTL, F. Die private molkereiwirtschaft des Bundesgebietes im licht der statistik. Deut. Molk.-Ztg. 73:1264-1266. Oct.3,1952. 44.8 Su2

18251 LAURÉN, R. The milk flood. (In Swedish.) Mejeritiskrift 14:75-77. Aug.1952. 44.8 M472
In Finland.
Statistics.

18252 MANNING, P. A. Movement in seasonality of milk production. Farm Econ. 7:54-61. 1952. 281.8 F223
Statistical for Great Britain.

18253 NORWAY. STATISTISK SENTRALBYRÅ. Meieribruket i Noreg 1950. L'industrie laitière de la Norvège en 1950. Oslo,1952. 73 p. 44.9 N832
English summary and table of contents.

FEED AND FORAGE CROPS

18254 AMERICAN DEHYDRATORS ASSOCIATION. A bibliography of the newest alfalfa literature. Feedstuffs 24(47,spec.alfalfa sect.):58a-59a. Nov.22,1952. 286.81 F322

18255 ANASTACIO, M. DE L. A. Importância das pentosanas nas forragens brasileiras [Importance of pentosans in Brazilian forages]. Brazil. Inst. de Quim. Agr. B. 21,17 p. Ref. 1951. 385 B73B

18256 ANDERSSON, A. Commercial feedstuffs in the coming winter. (In Swedish.) Lantmannen 36:834-835. Oct.18,1952. 11 L234

18257 BAKER, C. J. L., and others. Studies of the composition of sainfoin. J. Agr. Sci. 42:382-394. Oct. 1952. 10 J822
M. Heimberg, G. Alderman, and A. Eden, joint authors.

18258 BARNETT, A. J. G., and DUNCAN, R. E. B. The estimation of the volatile fatty acids formed during the fermentation of mixtures of minced grass and water. (Abs.) Biochem. J. 52:xvii. Dec.1952. 382 B52

18259 BICKOFF, E. M., LIVINGSTON, A. L., and VAN ATTA, G. R. Rapid determination of carotene in alfalfa. Assoc. Off. Agr. Chem. J. 35:826-830. Nov.15, 1952. 381 As7

18260 BIRD, F. H., and FLACH, W. R. Quality control and formula feeds. Feedstuffs 24(50):50-55. Dec.13,1952. 286.81 F322

18261 BUJAK, S. Production of fodder-yeast from potato-pulp and from sulphite liquor. (In Polish.) Acta Microbiol. Polon. 1:65-87. Ref. 1952. 448.3 Ac82
English summary.

18262 CATTANEO, A., and FIEDLER, J. L. The modern procedure of industrial drying of forage for cattle feeding. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):747-756. 1952. 388 C765Re
English summary.

18263 CHAVEZ BOZA, E., VEGA MACCHIAVELLO, J. A., and RONCHETTI B., J. Industrialización del aceite y harina de pescado. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:286. May 1952. 385 R322

18264 CHRISMAN, J. Alfalfa quality in storage, handling. Feedstuffs 24(47,spec.alfalfa sect.):20a. Nov. 22,1952. 286.81 F322

18265 DAVIS, H. A., and EASTMAN, E. E. Inspection of commercial feedingstuffs. N. H. Agr. Expt. Sta. B. 393 32 p. July 1952. 100 N45

18266 DIJKSTRA, H. Economic importance of forages. (In Dutch.) Overijsselsch Landbbl. 34(1676):1. Oct.16,1952. 12 Ov2

18267 FRANKLIN, N. L. State's new feed program: what it means to Virginia poultry growers. Va. Poultryman 6(10):45,118-122. Oct.1952. 47.8 V812

18268 HEIDEMAN, A. G. Using molasses in feeds. Amer. Feed & Grain Dealer 36(10):45-47,67. Nov.1952. 298.8 C83

18269 HILL, F. W. How the poultryman looks at bulk feed delivery. Hatchery & Feed 26(11):24-25. Nov.1952. 47.8 H28

18270 HOLDER, R. C. Fish by-products as commercial feed ingredients. Amer. Feed & Grain Dealer 36(10):24,26-27. Nov.1952. 298.8 C83

18271 HOWARD, J. Pelletizing. Oil Mill Gaz. 57(3):25-27. Sept.1952. 307.8 Oil53
Includes discussion.

18272 INFANTE VERA, J. G. Estudio químico de algunas gramíneas forrajerras naturales del Perú. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:286,288. May 1952. 385 R322

18273 IPARRAGUIRRE C., I. Estudio químico de algunas gramineas forrajerras naturales del Perú. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:288. May 1952. 385 R322

18274 JOHNSON, E. M. What is its place in the feed bag? Grain & Feed J. Consolidated 109(11):38-39. Dec.10,1952. 298.8 G762
Ingredients added to feeds.

18275 KENTUCKY. AGRICULTURAL EXPERIMENT STATION. FEED AND FERTILIZER DEPT. Quarterly report on official feed samples analyzed. Ky. Agr. Expt. Sta. Regulat. B. 100,35 p. Aug.1952. 100 K41

18276 KLEČKA, A. Prerequisites and means of ensuring a sufficient amount of feed. (In Czech.) Za Socialist. Zeměděl. 2:251-270. Mar.1952. 19.5 Z1
Czechoslovakia.

18277 KUNZ, E. The forage plan at the individual cooperatives—ESK. (In Czech.) Za Socialist. Zeměděl. 1,l.e.2:69-74. Jan.1952. 19.5 Z1
Czechoslovakia.

18278 KUZMESKI, J. W. Massachusetts first to pass Feed Act. Res. Rev. [Mass. Sta.] 1:3-6,15. Jan.1952. 100 M38R

18279 LARSON, L. S. Alfalfa in feeds. Amer. Feed & Grain Dealer 36(10):41-44. Nov.1952. 298.8 C83
Dehydrated alfalfa.

18280 LARSON, L. S. Alfalfa production schools aid industry development. Feedstuffs 24(47,spec.alfalfa sect.):38a. Nov.22,1952. 286.81 F322
Alfalfa meal production.

18281 LOCKWOOD, P. Practical public relations. Feedstuffs 24(47,sect.1):24-25,28. Nov.22,1952. 286.81 F322

18282 MASSACHUSETTS. FEED CONTROL SERV. Inspection of commercial feedstuffs. Mass. Agr. Expt. Sta. Control Ser. B. 153,26 p. July 1952. 100 M38H

18283 MATURANA, A. Conservación de forrajes frescos. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:426-430. 1951/52. 9 Ag874

18284 MEDEIROS, M. J. DE. Reconstruction of the method of analysis of starch in forages, adopted in the laboratory of the Supervisory Service of Fertilizers and Forages. (In Portuguese.) Pernambuco. Sec. de Agr., Indús. e Com. B. 19:81-85. Jan./June 1952. 9.2 P423

18285 MENAPACE, G. The drama of feeds. (In Italian.) Gior. di Agr. 62:311. Oct.12,1952. 16 It1G
Italy.

18286 MERTVOĬ, M. A. The collective farms of Moldavia are stabilizing their feed supply base. (In Russian.) Sotsialist. Zhivotnovod. 14(5):80-81. May 1952. 49 So71

18287 MOROZOV, N. L. Greater attention to the stocking of coarse feeds on Karakul [sheep] raising state farms. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):3-7. Mar./Apr.1952. 49 K14

18288 MULVANY, H. A. Carotene retention job aided in new process. West. Feed & Seed 7(11):28-29, 52,59. Nov.1952. 389.78 W52
Alfalfa meal processing.

18289 NELSON, A. P. Successful dealers make a point of advising and helping farmers. Feedstuffs 24(50): 24-25. Dec.13,1952. 286.81 F322

18290 PEHLE, J. W. The current picture of millfeed supplies. Feed Bag 28(11):28. Nov.1952. 389.78 F32

18291 PRESANT, F. W. Feed mills and equipment need revision for specialized use. Canad. Milling & Feed 33(11):19-20,42. Nov.1952. 298.8 C162

18292 RIBEIRO, O., and MACHADO, A. Estudo químico da aperana, "Limnanthemum humboldtianum" Griseb [Chemical study of "Limnanthemum humboldtianum" Griseb]. Brazil. Inst. de Quím. Agr. B. 22, 9 p. 1951. 385 B73B
Plant used as forage plant and drug.

18293 SCHRUBEN, L. W. Substitution among feed grains offers chances to cut costs. Cargill Crop B. 27 (17):24-25. Nov.20,1952. 281.8 C19
Prices.

18294 SPLITTGERBER, H. DLG-standards 1952/53 für milchvieh. Hannoversche Land- u. Forstwirt. Ztg. 105:1004-1005. Oct.4,1952. 18 H194
Feed standards.

18295 TAYLOR, B. H. Sold on bulk delivery. Canad. Milling & Feed 33(9):21-22,24. Sept.1952. 298.8 C162
Feed.

18296 TITUS, H. W. Benefits of putting minerals into feeds. Amer. Feed & Grain Dealer 36(10):48,50,67-68. Nov.1952. 298.8 C83

18297 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Bamboo as a source of forage and fodder for livestock, with special reference to tropical species, by F. A. McClure. Washington,1952? 11 p. Ref. 1.943 B21
Leaf composition of six bamboos.

18298 WARD, A. L. Cottonseed meal in feeds. Amer. Feed & Grain Dealer 36(10):51-52,68-69. Nov. 1952. 298.8 C83

18299 WINKELSTERN. Futtermittelversorgung im wirtschaftsjahr 1952/53. Deut. Landwirt.-Gesell. Mitt. 67:760-761,765-766. Oct.16,1952. 18 N39

18300 WÖHLBIER, W. Die bedeutung des DLG-gütezeichens für futtermittel! Deut. Landwirt.-Gesell. Mitt. 67:748-750. Oct.16,1952. 18 N39

18301 WÖHLBIER, W. Die neuen DLG-kraftfutterstandards 1952/53. Futter u. Fütterung 22:161-162. Sept.1952. 389.78 F98

FIBERS AND TEXTILES

18302 ALEKSEEVA, T. B., and others. Effect of degree of cellulose polymerization on the nature of its roller grinding. (In Russian.) Bumazhnaîa Promysh. 27(7):5-8. July 1952. 302.8 B88
E. S. Ashkenazi, A. P. Zakoshchikov, G. V. Kolobova, and A. I. Otfsovskaîa, joint authors.
Plant fibers in paper manufacture.

18303 ALTICK, H. R. Past 25 years on the Memphis Cotton Exchange. Cotton Digest 25(12):114. Nov.29, 1952. 286.82 C822

18304 ARIZAWA, Y. Dissolving wood pulp of high alpha. (In Japanese.) Japan Synthetic Textile Mon. 5(9): 37-40. Sept.1952. 304.8 J27

18305 ASPECTS of the wool economy. (In Portuguese.) Conjuntura Econ. 6(9):8-14. Sept.1952. 280.8 C7652
Brazilian and world situation.

18306 BARELLA, A. The influence of twist on the regularity of the apparent diameter of worsted yarns. Textile Inst. J. 43:P734-P741. Sept.1952. 73.9 T31

18307 BARTZ, C. F. Basic ingredients for sound cotton policy. Cotton Digest 25(12):24,145-146. Nov.29, 1952. 286.82 C822

18308 BELLORA, P. The Italian cotton industry. Statist 156:503. Oct.25,1952. 286.8 St2

18309 BEREZIN, V. I. Experiment in utilizing PR-108-L [flax] spinning machines. (In Russian.) Tekstil'. Promysh. 12(3):9-11. Mar.1952. 304.8 T23

18310 BERKLEY, E. E. Certain changes that affect cotton marketing. In U. S. Agricultural Research Admin. Pricing and trade, p.147-157. Washington,1952. 1.98 P932

18311 BIDAN, P. Quelques observations sur le rouissage bactériologique industriel du chanvre. Cong. Internaz. Indus. Agr. Relaz. 9(2):1101-1108. 1952. 388 C765Re
English summary.

18312 BIRT AND CO. "Wool", 1951-52. Sydney, 1952. 60 p. 286.3459 W88
Statistical.

18313 BOSCHIERO, E. 1952 edition of the National Wool Show. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 7(16):3-4. Aug.16,1952. 287 V662
Italy.

18314 BRITISH COTTON INDUSTRY RESEARCH ASSOCIATION. SHIRLEY INSTITUTE. Year book, 1951. Didsbury, Manchester, Eng.,1951. 125 p. 72.9 B773Y

18315 BUCHANAN, M. L., and BOLIN, D. W. Wool fiber measurements. J. Anim. Sci. 11:631-637. Nov. 1952. 49 J82

18316 BURGESS, A. J. World consumption of apparel fibres. Textile J. Austral. 27:766,768. Sept.20, 1952. 304.8 T3134

18317 BURR, C. H. History of the Cotton Digest. Cotton Digest 25(12):12-13. Nov.29,1952. 286.82 C822

18318 CAMPBELL, I. J. We have found an effective way to whip the green boll bugaboo. Cotton Gin & Oil Mill Press 53(25):13-14,16. Dec.6,1952. 304.8 C822
Describes a trap to remove the bolls before ginning.

18319 CARMINATI, C. Nouvelle orientation dans le cardage des fibres artificielles et du coton. Rayonne et Fibres Synthétiques 8(10):17,19-21,23. Oct.15,1952. 304.8 R214

18320 CARROLL, M., and MASON, S. G. The measurement of fiber swelling by the liquid permeability method. Canad. J. Technol. 30:321-333. Ref. Dec.1952. 470 C16F

18321 CHABRAND, A. Les possibilités des huiles minérales de pétrole dans l'ensimage de la laine et des mélanges a base de laine. Monit. Textile 14(10):57-58, 61,63-64. (Cont.) Oct.1952. 304.8 M74

18322 CHAPMAN, R. E. The problem of brand damage in wool. Queensland Agr. J. 75:109-116. Aug.1952. 23 Q33

18323 CHAVES, S. DE C. Culture of fibers in Brazil. (In Portuguese.) Soc. Rur. Bras. Rev. 32(380): 26-27. Sept.1952. 9.2 B733
The industry.

18324 COKE, C. E. Man-made fibres. (Excerpts.) Canad. Chem. Processing 36(11,i.e.10):74,76-77. Oct. 1952. 381 C16

18325 COLE, L. Lint room operations. Oil Mill Gaz. 57(3):33-36. Sept.1952. 307.8 Oi53
Seed and lint cleaning.
Includes discussion.

18326 COZ, E. C., JR. Fiber measurements hold key to quality control in mill operations. Cotton Digest 25(12):86-89. Nov.29,1952. 286.82 C822

18327 CUENCA, C. L. DE. A microtome for use in measuring fineness of wool fibres by transverse sections. Textile Inst. J. 43:P729-P733. Sept.1952. 73.9 T31

18328 DAKIN, G., FOSTER, G. A. R., and LOCKE, J. Irregularities in cotton and rayon-staple slivers caused by roller slip at the drawframe. Brit. Cotton Indus. Res. Assoc. Shirley Inst. Mem. 26:23-40. Aug.1952. 72.9 B773

18329 DALY, J. A. The American textile industry. Cotton Digest 25(12):108-110. Nov.29,1952. 286.82 C822

18330 DALY, J. A. The past 25 years in the spot cotton trade. Cotton Digest 25(12):115-116,118. Nov.29, 1952. 286.82 C822

18331 DAVISON'S textile blue book, the eighty-seventh year, 1952. Ridgewood,1952. 1615 p. 304 B62

18332 DELEWER, A. Point de vue sur la question cotonnière. (In Arabic.) Égypte Contemp. 43(269):1-5. July 1952. 270 Eg95

18333 DENMARK, J. B. Quality control in cotton mixing. Indus. Quality Control. Textile Div. Sup. 1:16-20. Aug.1952. 304.8 In23

18334 DESFONTAINES, Y. L'industrie textile en Tunisie. B. Écon. et Social de la Tunisie 70:21-25. Nov.1952. 280.8 B874

18335 DILLON, J. H. Problems accompanying introduction of the newer synthetic fibres. Canad. Textile J. 69(25):64-67. Dec.5,1952. 304.8 C16

18336 DUNN, R. P., JR. The world cotton situation. Cotton Digest 25(12):138-139. Nov.29.1952. 286.82 C822

18337 DUNN, R. P., JR. World cotton situation. Cotton Gin & Oil Mill Press 53(23):25-26,76,78-79. Nov.8,1952. 304.8 C822

18338 EASSON, L. Situation and outlook for apparel and household textiles. Washington,U. S. Dept. Agr.,1952. 5 p. 1.90 C2Ou8
Talk at Annual Agricultural Outlook Conference, Washington, D. C., Oct. 21, 1952.

18339 EVDOKIMOV, N. A. Controlling the formation of electrostatic charges on textile fibers. (In Russian.) Tekstil'. Promysh. 12(7):17-19. July 1952. 304.8 T23

18340 LA FABRICATION des filaments continus de caséine. Lait 32:570-577. Ref. Sept./Oct.1952. 44.8 L143

18341 FAHRNEY, O. W. Production in the San Joaquin Valley. Cotton Digest 25(12):106-107. Nov.29, 1952. 286.82 C822

18342 FAUS, J. El momento actual algodonero. Ceres [Valladolid] 17(195):19,21. Sept.1,1952. 15 C33

18343 FITZGERALD, F. J. Quality control in the manufacture of cellulose acetate yarn. Indus. Quality Control. Textile Div. Sup. 1:61-66. Aug.1952. 304.8 In23

18344 FROLOVA, T. A. Effect of speed of scutching machine on the loosening of cotton. (In Russian.) Tekstil'. Promysh. 12(8):8-9. Aug.1952. 304.8 T23

18345 FUKUCHI, S. "Tejiran"-acetylated viscose rayon staple. (In Japanese.) Japan Synthetic Textile Mon. 5(9):34-35. Sept.1952. 304.8 J27

18346 GALLOWAY, L. D. Testing rotproofness of cordage. Cordage World & Indus. Textiles 33:17,19. Nov.1952. 73.8 C813

18347 GERDES, F. L., and BENNETT, C. A. Current ginning research. Cotton Gin & Oil Mill Press 33(24):9-10,46. Nov.22,1952. 304.8 C822

18348 GIORDANO, A. Development of Italian cotton business. Cotton Digest 25(12):25-27. Nov.29, 1952. 286.82 C822

18349 GOEDECKE, O. Development of research on fiber properties. Cotton Digest 25(12):23,146. Nov.29, 1952. 286.82 C822

18350 GÓMEZ, A. M. Mexico's 1952-53 production smaller. Cotton Digest 25(12):56-57. Nov.29,1952. 286.82 C822

18351 GOSSMAN, H. L. Time for action in improving quality and yield. Cotton Digest 25(12):90-91, 98. Nov.29,1952. 286.82 C822

18352 GÖTZE, K. Chemiefasern nach dem viskoseverfahren (reyon und zellwolle). Ed. 2, rev. Berlin, Springer,1951. 739 p. 304 G71

18353 GT. BRIT. CENTRAL OFF. OF INFORMATION. REFERENCE DIV. The United Kingdom cotton industry. London,1952. 13 p. (Its Quote No. R.2277) 304 G7993

18354 GT. BRIT. CENTRAL OFF. OF INFORMATION. REFERENCE DIV. The United Kingdom jute industry. London,1952. 5 p. (Its Quote No. R.2279) 304 G7993Uj

18355 GT. BRIT. CENTRAL OFF. OF INFORMATION. REFERENCE DIV. The United Kingdom linen industry. London,1952. 5 p. (Its Quote No. R.2278) 304 G7993U

18356 GREEN, J., and INGHAM, J. A technique for visualising the position of staple fibres in a sliver, and its application to drafting problems. Textile Inst. J. 43:T473-T488. Sept.1952. 73.9 T31

18357 GREENHILL, W. The production of jute and jute substitute fibres in Australia. Textile J. Austral. 27:790-792. Sept.20,1952. 304.8 T3134

18358 GROS, M. Les essais d'organisation du marché des laines en Algérie. Mouton 7:99-101. Oct.1952. 45.8 M86

18359 GROVE, C. S., JR., VODONIK, J. L., and CASEY, R. S. Fibers. Indus. & Engin. Chem. 44:2318-2324. Ref. Oct.1952. 381 J825
Research.

18360 GROVER, E. B., and DUNLAP, G. H. Fundamentals of textiles. Rev. ed. Raleigh,N.C.,1952. 137 p. 304 G91F
Cotton processing included.

18361 GUTHRIE, J. Flameproofing of cotton with phosphorus compounds. (Sum.) Textile B. 78(11):80. Nov.1952. 304.8 So82

18362 HARTLEY, L. F. Impressive growth of the I. W. S. Wolboer 6:33-34. Aug.1952. 45.8 W83

18363 HASSELSTROM, T., and others. The behavior of nylon Oxford cloth "41" on pyrolysis. Textile Res. J. 22:742-748. Ref. Nov.1952. 304.8 T293
H. W. Coles, C. E. Balmer, M. Hannigan, M. M. Keeler, and R. J. Brown, joint authors.

18364 HASSETT, W. V. Can good sliver be improved. Indus. Quality Control. Textile Div. Sup. 1:21-25. Aug. 1952. 304.8 In23

18365 HEARD, M. E., and SMITH, W. S. Tolerances for cotton fiber strength data. Indus. Quality Control. Textile Div. Sup. 1:11-15. Aug.1952. 304.8 In23

18366 HEMINGWAY, L. C. First U.S. cotton produced around 1717. Cotton Digest 25(12):92-93. Nov.29,1952. 286.82 C822

18367 HIMMELFARB, D. Rope elasticity (recovery from stretch). Textile Q. 2:302-305. Oct.1952. 304.8 T3182

18368 HOPE, W. C. Government meddling with our economy. Cotton Digest 25(12):34,140-144. Nov.29,1952. 286.82 C822
Cotton marketing and price controls.

18369 HUDSON, J. A review of coir fibre. Textile Indus. & Fibres 13:362-367. (Cont.) Ref. Nov.1952. 304.8 F16

18370 HUMMEL, G. Messverfahren zur ermittlung der längenänderung von textilfasern. Textil-Praxis 7: 813-815. Oct.1952. 304.8 T3143

18371 HYGEN, H. K. Spinning oils for the wool industry. (In Norwegian.) Norsk Tekstil Tid. 33:350-352. Sept.1952. 304.8 N81

18372 INDIA. DEPT. OF FOOD AND AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian jute statistics, 1950-51. Delhi,1952. 39 p. 269.5 F73Ij

18373 INDIAN CENTRAL COTTON COMMITTEE. TECHNOLOGICAL LABORATORY. Annual report of the director for the year ending 31st May 1951. Bombay, 1951. 25 p. 72.9 In2332An

18374 INDUSTRY-WIDE COMMITTEE ON COTTON QUALITY. Cotton fiber properties, spinning efficiency and fabric quality as affected by ginning practices. Memphis?Natl. Cotton Council Amer.,1952. 40 p. 304 In24

18375 JIMENEZ CUENDE, F., and CRUZ AUÑON, F. Modalidades para la utilización de los subproductos del algodonero, torta; borras; aceite. Cong. Internaz. Indus. Agr. Relaz. 9(2):1109-1124. 1952. 388 C765Re

18376 JOHNSTON, A. The proposed Rawlins wool-processing plant. Natl. Wool Growers 42(11):36-38. Nov.1952. 45.8 N21N
Wyoming.

18377 JONES, H. W. Far West arrives as cotton producer. Cotton Digest 25(12):28-30,144-145. Nov.29, 1952. 286.82 C822

18378 KESCHTGES, L. La productivité et l'industrie textile belge. Monit. Textile 14(10):23,25,27. Oct.1952. 304.8 M74

18379 KIMPTON, G. B. Economics of wool promotion in Canada. Canad. Textile J. 69(23):36,39,50. Nov.7, 1952. 304.8 C16

18380 KOENIG, F. La situation lainière en 1952 d'apres la Fédération Lainière Internationale. Mouton 7:85-86. Aug./Sept.1952. 45.8 M86

18381 KOMAROV, F. P. On producing reactive viscose cellulose. (In Russian.) Bumazhnaîa Promysh. 27 (9):6-9. Sept.1952. 302.8 B88

18382 KROESE, W. T. Future of Japanese cotton industry. Indian Textile J. 62:670-673,692-693. Aug.1952. 304.8 In2

18383 KRONAUER, F. Causes of the formation of "neps" in cotton and their variations during processing. (In Italian.) Riv. dell'Indus. Tessile Coton. 6:662-666. Sept.1952. 286.3729 Is7N

18384 KRONAUER, F. Variations in characteristics of cotton fiber in carding and combing. (In Italian.) Riv. dell'Indus. Tessile Coton. 6:794-798. Nov.1952. 286.3729 Is7N

18385 KRYLOV, V. V. Simplified VCHU-1 wadding-combing machine. (In Russian.) Tekstil'. Promysh. 12 (3):8-9. Mar.1952. 304.8 T23

18386 KÜNDIG, S. Die analyse von mit harnstoffformaldehyd- und melaminformaldehydharzen imprägnierten cellulosefasern. Textil-Rundschau 7:501-527. Ref. Nov. 1952. 304.8 T3139

18387 KUNOWSKI, H. Die verfahren des karbonisierens von wolle. Garmisch-Partenkirchen,Moser,1951 20 p. (Fachliteratur- Ermittlungs- und Berichtsdienst für Industrie und Forschung. Archiv 728) 304 K966

18388 LEBOURVEAU, W., and PAULSON, W. E. Facts and figures about cooperative cotton gins in Texas. Tex. Agr. Expt. Sta. Misc. P. 87,7 p. Aug.21,1952. 100 T31M

18389 LEE, J. C. History of N. Y. Cotton Exchange. Cotton Digest 25(12):120-121. Nov.29,1952. 286.82 C822

18390 LESESNE, H. Cotton and the changing Southeast. Cotton Digest 25(12):32-33,129-130. Nov.29,1952. 286.82 C822

18391 LEVEAU, M., LANGLOIS, J., and PARISOT, A. Action de l'eau de brome sur la laine et autres poils animaux. Inst. Textile de France. B. 34:9-14. Ref. Aug. 1952. 304.8 T3145
English summary.

18392 LEVITCH, R. G., and JONES, R. R. Statistical sampling and testing of lots of raw wool. Indus. Quality Control Textile Div. Sup. 1:55-60. Aug.1952. 304.8 In23

18393 LÓPEZ ARIAS, A. Acondicionamiento de la lana de esquila. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:417-419. 1951/52. 9 Ag874

18394 LUNA ERCILLA, C. A. El esparto. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:345-349. 1951/52. 9 Ag874

18395 MACKEY, M. G. Cotton came to Texas in 1821. Cotton Digest 25(12):137. Nov.29,1952. 286.82 C822

18396 MCLURE, J. H., and ASHBY, W. L. Market outlets for cotton in some of the principal cotton fabrics. U. S. D. A. Mktg. Res. Rpt. 25(sup.1),77 p. Sept.1952. 1 Ag84Mr

18397 MACTAGGART, I. C. Scottish wool. Scot. Agr. 32:65-68. Autumn 1952. 10 Sco82So
Situation and outlook.

18398 MAGNE, F. C., and SKAU, E. L. Nonfreezing water and nonfreezing benzene capacities of cottons and modified cottons. Textile Res. J. 22:748-756. Ref. Nov.1952. 304.8 T293

18399 MALM, C. J., and others. Treatment of cellulose prior to acetylation. Indus. & Engin. Chem. 44:2904-2909. Dec.1952. 381 J825
K. T. Barkey, D. C. May, and E. B. Lefferts, joint authors.

18400 MANN, A. The New Orleans [Cotton] Exchange and the last quarter century. Cotton Digest 25 (12):128-130. Nov.29,1952. 286.82 C822

18401 MARINOTTI, F. Review of synthetic fibres. Statist 156(3894,sup.):63-65. Oct.25,1952. 286.8 St2

18402 MEULEMEESTER, D. DE, and others. La mesure de la perméabilité d'un echantillon de coton et son rapport avec la finesse gravimetrique et la maturité. Textielwezen 8(11):39-40,43-46,48. (Cont.) Nov.1952. 304.8 T3147
T. Fransen, L. Tison, and G. Raes, joint authors.

18403 MONTEIRO, B. DE O. T. Systems of carding. (In Portuguese.) Lanificios 3:149-155. June 1952. 45.8 L26

18404 MONTGOMERY, D. J., and MILLOWAY, W. T. The vibroscopic method for determination of fiber cross-sectional area. Textile Res. J. 22:729-735. Nov.1952. 304.8 T293

18405 MOORE, W. R. Modern views on fibre structure. (Sum.) Dyer 108:473. Oct.3,1952. 306.8 D98

18406 MORTON, W. E., and YEN, K. C. Fibre arrangement in cotton slivers and laps. Textile Inst. J. 43:T463-T472. Sept.1952. 73.9 T31

18407 NETHERLANDS. VEZELINSTITUUT T. N. O. Verslag over het jaar 1951 [Report for the year 1951]. Haarlem,1952? 51 p. 304.9 N382V

18408 NETTO, A. D. Seasonal trends in the price of São Paulo cotton, 1940-1950. (In Portuguese.) Rev. dos Mercados 3(23):23-32. July 1952. 286.8 R328

18409 NORTH DAKOTA RESEARCH FOUNDATION. Feasibility of wool processing in North Dakota. N. Dak. Res. Found. B. 7,68 p. 1952. 330.9 N81

18410 ORR, C. W. Review of the past season in wool. Calif. Rabbit News 13(9):7-8. Dec.1952. 40.28 C12

18411 OVERBEKE, M. VAN, MAZINGUE, G., and OUTREMAN, P. Contribution à l'étude des tests d'altération de la laine. Inst. Textile de France. B. 34: 53-70. Ref. Aug.1952. 304.8 T3145
English summary.

18412 PALAZZO, F. C. Study of the various forestry and agricultural sources of cellulose; their importance in relation to the quality and quantity of the products obtained. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):867-882. 1952. 388 C765Re
English summary.

18413 PARNEV, V. A. Spinning machines with super-high draw devices. (In Russian.) Tekstil'. Promysh. 12(8):13-15. Aug.1952. 304.8 T23

18414 PEASE, W. Sale of wool in New Zealand and overseas. New Zeal. Studmasters' Annu. Rev. 4:22-23. 1952. 49.7 N48

18415 PEDOTE, L. Effects of transportation on the cotton industry. (In Italian.) Riv. dell'Indus. Tessile Coton. 6:786-789. Nov.1952. 286.3729 Is7N

18416 PHILLIPS, B. The first South Plains cotton. Cotton Digest 25(12):100,102. Nov.29,1952. 286.82 C822
History.

18417 PILIKOVSKIĬ, M. IA., and KIRILLOVA, T. P. Processing of machine-harvested cotton. (In Russian.) Tekstil'. Promysh. 12(5):21-22. May 1952. 304.8 T23

18418 PILOVSKIĬ, G. I. Ring flax spinning machines for wet spinning. (In Russian.) Tekstil'. Promysh. 12(7): 16. July 1952. 304.8 T23

18419 PREVOT, A. R. Rouissage et anaérobies pectinolytiques. Cong. Internaz. Indus. Agr. Relaz. 9 (2):1097-1100. 1952. 388 C765Re
English summary.
Textile fibers.

18420 PRÎANISHNIKOV, S. K. Combing—in the flax industry. (In Russian.) Tekstil'. Promysh. 12(5):9. May 1952. 304.8 T23

18421 PRINGLE, A. V. The theory and practice of flax spinning. II. Textile Q. 2:316-323. (Cont.) Oct. 1952. 304.8 T3182

18422 PUIG, J. B. Significación de la nueva tendencia de la operación de peinado del algodón. Textiles Panamer. 12(11):27-29,56,59. Nov.1952. 304.8 T3142

18423 QUINN, W. F. The fiber we know as cotton linters. Oil Mill Gaz. 57(3):47-49. Sept.1952. 307.8 Oi53

18424 RABE, A. Merino wool production and wool research; a bibliography. Cape Town,1952. 29 p. (Cape Town. University of Cape Town. School of Librarianship. Bibliographical Series) 241 R11

18425 RAKOV, A. P. Importance of front knife on a [cotton] combing machine. (In Russian.) Tekstil'. Promysh. 12(5):18-21. May 1952. 304.8 T23

18426 RANCOURT, E. DE. La ramie va-t-elle révolutionner l'industrie textile? Grâce à un procédé d'extraction australien. Rev. Internatl. des Prod. Colon. 27:147,149. Aug./Sept.1952. 286.8 R326

18427 REIN, H. Forschung—grundlage und träger des fortschritts der chemiefaser-industrie. Chem. Indus. [Dusseldorf] 4:726-730. Oct.1952. 384 C4222

18428 REMUSSI, C. Enriado del lino. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:237-245. 1951/52. 9 Ag874

18429 REYNOLDS, H. History of Memphis and mid-South production. Cotton Digest 25(12):104-105. Nov.29, 1952. 286.82 C822

18430 RICHTER, C. Die wolle in der strickerei und wirkerei. Textil-Praxis 7:790-793. Oct.1952. 304.8 T3143

18431 ROY, J. I. Cotton textile industry faces challenge. Canad. Textile J. 69(25):29-32. Dec.5,1952. 304.8 C16

18432 ROY, J. I. Scope and future of textiles in Canada. Canad. Textile J. 69(24):45,47,49,51. Nov.21, 1952. 304.8 C16

18433 RUBINOV, E. B. For improving the quality of raw silk. (In Russian.) Tekstil'. Promysh. 12(8):11-13. Aug.1952. 304.8 T23

18434 SACCHETTI, M. Microbiological retting in the production and improvement of textile fibers. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):1085-1096. Ref. 1952. 388 C765Re
English summary.
Flax, chiefly.

18435 SAMPAIO E PINHO, A. DE. One of the most serious aspects of the economic crisis in the wool industry. (In Portuguese.) Lanificios 3:156-159. June 1952. 45.8 L26

18436 SANGUINO Y BENITEZ, S. El esparto como fuente de celulosa. Cong. Internaz. Indus. Agr. Relaz. 9(1):883-894. 1952. 388 C765Re
English summary.

18437 SCHURINGA, G. J., ISINGS, J., and ULTEE, A. J., JR. The chemical composition of the epicuticle of wool. I. The protein character of the epicuticle. Biochim. et Biophys. Acta 9:457-467. Ref. Oct.1952. 381 B522

18438 SCHURINGA, G. J., SCHOONEVELDT, C. J., and ULTEE, A. J., JR. The chemical composition of the epicuticle of wool. II. Cross-linking in epicuticle protein. Biochim. et Biophys. Acta 9:506-514. Ref. Nov.1952. 381 B522

18439 SCHUY, J. Lufttrockener hanf. Bauer 5(35): 12. Oct.11,1952. 19 B32

18440 SEGALL, G. H. A theory of water-resistant fabrics. Textile Res. J. 22:736-741. Nov.1952. 304.8 T293

18441 SEN, K. R., and BOSE, S. K. A preliminary note on new facts about bast filament strength. Sci.Club J. 6:5-13. June/Aug.1952. 475 Sci29

18442 SHUSHKIN, A. A. On methods of evaluating bast fibers. (In Russian.) Tekstil'. Promysh. 12(8):28-29. Aug.1952. 304.8 T23

18443 SLEN, S. B. Aims, functions & scope of Lethbridge Wool Research Laboratory. Canad. Textile J. 69(25):57-59. Dec.5,1952. 304.8 C16

18444 SPIER, R. 25 years of California and world cotton. Cotton Digest 25(12):112-113. Nov.29,1952. 286.82 C822

18445 SPOHR, W. Artificial fibers. (In Portuguese.) Lanifícios 3:205-211. Aug./Sept.1952. 45.8 L26

18446 SPROULE, D. O. Measurement of yarn weight and moisture content by transverse vibration. Textile Inst. J. 43:T455-T462. Sept.1952. 73.9 T31

18447 STAPLES, M. L. Testing of textiles in the laboratory. Canad. Textile J. 69(23):72,75-76. Nov.7, 1952. 304.8 C16

18448 STONEHAM, J. A salute to the cotton trade. Cotton Digest 25(12):31,145. Nov.29,1952. 286.82 C822

18449 STOVALL, W. H. Highlights of the International Cotton Textile Industry Conference held in London, Manchester and Buxton on September 17-25, 1952. Staple Cotton Rev. 30(11):2-6. Nov.1952. 72.8 St22

18450 TAYLOR, F. J. The qualities and marketing of wool. Canad. Textile J. 69(23):67-70. Nov.7,1952. 304.8 C16

18451 TONELLI, L. Micro oil feeders for cotton fibers. (In Italian.) Riv. dell'Indus. Tessile Coton. 6: 790-793. Nov.1952. 286.3729 Is7N

18452 TOY, F. C. Shirley Institute, some achievements and aspirations. Textile Wk. 50:1372,1374,1376. (Cont.) Nov.21,1952. 304.8 T3127

18453 TRIPP, V. W., and ROLLINS, M. L. Morphology and chemical composition of certain components of cotton fiber cell wall. Analyt. Chem. 24:1721-1728. Ref. Nov.1952. 381 J825A

18454 U. S. BUR. OF AGRICULTURAL ECONOMICS. Variability of cotton yields by counties, in the United States, by R. R. Botts. Washington,1952. 34 p. 1.941 H2C829

18455 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Physical and chemical characteristics of suiting fabrics composed of wool, and wool combined with mohair, nylon, and rayon, by B. V. Morrison, R. L. Ward, S. Davison, and A. R. Macormac. Washington,1952. 20 p. 1.982 A2P562

18456 U. S. PRODUCTION AND MARKETING ADMIN. The Causticaire method for determining cotton-fiber maturity and fineness. Preliminary report. Washington, 1952. 20 p. 1.956 C82C31

18457 U. S. PRODUCTION AND MARKETING ADMIN. Cotton testing service. Rev. Washington,1952. 39 p. 1.956 C82C8225

18458 U. S. PRODUCTION AND MARKETING ADMIN. Effect of exposure and storage on color and other factors of quality in raw cotton, by D. Nickerson. Washington, 1951. 27 p. 1.956 C82Ef33

18459 U. S. PRODUCTION AND MARKETING ADMIN. Relation of rate of carding and factors of cotton quality to strength and appearance of carded yarn, neps in card web, and percentage of card waste, by R. W. Webb and H. B. Richardson. Washington,1952. 44 p. 1.956 C82R2782

18460 U. S. PRODUCTION AND MARKETING ADMIN. Standards for American upland cotton proposed and present, June 19, 1952. Washington,1952. 1 p. 1.956 C82St22

18461 U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. The literature of the natural fibers, by R. K. Worner and D. B. Skau. New Orleans,1952. 44 p. 1.9321 S2L71

18462 VANDERSCHUEREN, J. The blending of cotton and staple fibre. Indian Textile J. 62:689-690. Aug.1952. 304.8 In2

18463 VELAZQUEZ ANCHONDO, S. La clasificación de la lana y su precio. Tierra [México] 7:440-441,463. July 1952. 8 T445
Mexico.

18464 VLADIMIROV, B. M. Adjustment of TOD-16 machine [cotton gin]. (In Russian.) Tekstil'. Promysh. 12(5):8. May 1952. 304.8 T23

18465 VOLOKITINA, N. A., VOĬUTSKIĬ, S. S., and ZAĬONCHKOVSKIĬ, A. D. Effect of [cotton] fiber length on firmness of paper and cardboard leaf. (In Russian.) Bumazhnaîa Promysh. 27(9):14-17. Sept.1952. 302.8 B88

18466 WADANO, K. Problems for acetate fibers in Japan. (In Japanese.) Japan Synthetic Textile Mon. 5(9): 10-15. Sept.1952. 304.8 J27

18467 WALKER, R. G. The erratic history of Brazilian cotton. Cotton Digest 25(12):131-136. Nov.29, 1952. 286.82 C822

18468 WIHEDA, S. La situation de l'industrie de la filature de coton en Égypte. Soc. Belge d'Etudes et d'Expansion. B. 51:605-610. Aug./Oct.1952. 280.8 So17

18469 WISEMAN, J. Future of the British cotton industry. London & Cambridge Econ. Serv. B. (n.s.)4:ii-iv. In Times Rev. Indus. (n.s.)6(71). Dec.1952. 286.8 T4822

18470 WOODS, E. F. The viscosity of urea solutions of keratin. Austral. J. Sci. Res. Ser. A. Phys. Sci. 5: 555-562. Ref. Sept.1952. 475 Au73
From wool.

18471 WOOL BUR. Suggested research projects for the woolen and worsted industry; supplement, 1952. New York,1952. 19 p. 304 W888

18472 WYMER, N. The art of the wool-stapler. Country Life [London] 112:1488-1489. Nov.7,1952. 80 C83

18473 ZAĬTSEV, V. On further development of hemp production. (In Russian.) Sotsialist. Sel'sk Khoz. 23(9): 17-21. Sept.1952. 281.8 So73

18474 ZIENKIEWICZ, H. Report on flax studies in Holland, Belgium and Northern France as well as hemp studies in France and Italy. III. (In Swedish.) Lin 6:80-90. Sept.1952. 73.18 L63
Retting of flax.

FRUITS, VEGETABLES, AND NUTS

18475 ARMSTRONG, D. S. The pineapple industry recovers. Foreign Trade 12(310):14-16. Dec.6,1952. 286.8 C162
Malaya.

18476 ATKINSON, C. The strawberry story. Queensland Fruit & Veg. News 2(45):31-32. Sept.19,1952. 280.38 Q3
The industry.

18477 BAMONTE, A. Blessed be the grape! (In Italian.) Gior. di Agr. 62:301. Oct.5,1952. 16 It1G

18478 BOCCHI, G. Produktion und export italienischer gartenbauerzeugnisse im sommer. Obst u.Gemüse 4:913-915. Sept.18,1952. 286.83 Ob72

18479 BURKHART, L. Research expansion for Arizona vegetables. West. Grower & Shipper 23(12):96-100,249. Nov.1952. 280.38 W52

18480 CANDIDA, F. The hour of the chestnut. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(98):7-8. Nov.22,1952. 281.8 Ag3
The industry in Calabria.

18481 CEYLON'S production and trade in coconut crops. 1. Ceylon Trade J. 17:377-384. Aug.1952. 286.8 C333

18482 CHENIER, R. La culture maraîchère est prometteuse dans Gaspé-Nord. B. des Agr. 34(10):16, 72. Oct.1952. 7 B872

18483 CROCE, F. M. La cereza; maduración, cosecha, clasificación y empaque. Pampa Argentina 25 (290):14-15,27. (Cont.) Feb.1952. 9 P19

18484 DEBBANÉ, J. Le problème des agrumes au Liban (1951). Acad. d'Agr. de France.Compt. Rend. 39: 474-475. June 25/July 9,1952. 14 P215Bc

18485 ESTEVES, J. D. African themes. (In Portuguese.) Granja [Lisboa] 11:229-234. Oct./Dec.1952. 15.5 G76
Cashew nuts and cotton production in Mozambique.

18486 EVANS, R. C. Fountain of health. Assoc. Food Distrib. Foods World 1:24-25. 1951. 389.9 As76
Florida citrus industry.

18487 HOMOLA, J. Present situation and outlook for selected vegetable crops. (In Czech.) Za Socialist. Zemedel. 2:407-415. Apr.1952. 19.5 Z1
Czechoslovakia.

18488 KOCH, E. Land der sonne und der früchte. Obst u. Gemüse 4:886-888. Sept.18,1952. 286.83 Ob72
Fruit and vegetable production in Italy.

18489 KOSCELECKIJ, N. A. Method for planning and organizing potato bases near industrial centers. (In Czech.) Za Socialist. Zeméděl. 2:384-393. Apr.1952. 19.5 Z1
Czechoslovakia.

18490 KRAMAROVSKY, R. La industria cítrica Israeli. Indus. y Quim. 14:153. Aug.1952. 385 In28

18491 LIBBY, M. The romance of dates. Assoc. Food Distrib. Foods World 1:76-78. 1951. 389.9 As76
The industry.

18492 MARCIANI, F. Das landgebiet Nocera, wiege des italienischen obst- und gemüsebaues. Obst u. Gemüse 4:906-908. Sept.18,1952. 286.83 Ob72

18493 MOLIN, E. Fruit production is in a crisis! (In Italian.) Rass. dell'Agr. Ital. 7(9):11-12. Sept.1952. 281.8 R18

18494 MOSNIER, M. Organisons la production fruitière. Terre d'Oc 34:267-269,363-365. July,Sept. 1952. 14 Ar5

18495 NUTTING, K. R. Research program plays vital role. West. Grower & Shipper 23(12):64-68. Nov.1952. 280.38 W52
Vegetables.

18496 OREGON. AGRICULTURAL EXPERIMENT STATION. Specialty crops—an appraisal of the problems and a statement of recommendations. Oreg. Agr. Expt. Sta. Oreg. Agr. 21,61 p. Aug.1952. 100 Or3O
Ornamental plants, fruit stocks, and truck crops.

18497 PLATE, R. Kartoffelernte, kartoffelmarkt und futterhaushalt 1952/53. Agrarwirtschaft 1:266-269. Oct.1952. 281.8 Ag826
Germany.

18498 RICE, W. S. All dried 'cots, most dried peaches bought; prune estimate unchanged. Sunsweet Standard 36(5):6-7. Oct.1952. 286.83 Su7

18499 SCHLIEMANN, W. Vorschau auf das pflanzkartoffelgeschäft herbst 1952. Kartoffelwirtschaft 5:388, 391. Oct.3,1952. 286.83 K14
Germany.

18500 SHEPHERD, J. The avocado outlook. Calif. Citrog. 38(2):64,66-67. Dec.1952. 80 C125

18501 TASKER, J. The West Riding rhubarb industry. Gt. Brit. Min. Agr. Agriculture 59:386-391. Nov.1952. 10 G79J

18502 TENENT, R. Lemon—the wonder fruit. Co-op. Home Mag. 57(10):4. Oct.1952. 280.28 W563

18503 TRUNK, J. The nut bowl of the Northwest. Assoc. Food Distrib. Foods World 1:53-54. 1951. 389.9 As76

18504 WALDSMITH, R. A. Let's face it—times have changed. West. Grower & Shipper 23(12):235-236. Nov.1952. 280.38 W52
The vegetable industry.

18505 WATTS, A. V. Some vegetable possibilities for 1953. Veg. Growers News 7(6):2,4. Dec.1,1952. 275.28 V52

18506 WESTERN GROWERS ASSOCIATION. 1952 year book. West. Grower & Shipper 23(12),262 p. Nov.1952. 280.38 W52

18507 WHITE, L. N. Not all hills are small. Assoc. Food Distrib. Foods World 1:49-51. 1951. 389.9 As76
The bean industry.

18508 WIEHLER. Was verspricht die kartoffelernte 1952? Hannoversche Land- u. Forstwirt. Ztg. 105:894. Sept.6,1952. 18 H194

18509 WILCOX, R. W. Some comments on the fruit situation. Idaho State Hort. Soc. Trans. 1951:25-28. 81 Id12

18510 WINTER, J. C. New USDA-WGA research program. West. Grower & Shipper 23(12):92-93. Nov. 1952. 280.38 W52

18511 YALCINDAG, O. N. Les agrumes en Turquie. Fruits 7:451-453. Oct.1952. 80 F9492

18512 ZUCCHINI, M. Fruit culture and the agricultural industries in Italy. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1183-1192. 1952. 388 C765Re
English summary.

Analysis and Composition

18513 BELL, T. A., and ETCHELLS, J. L. Sugar and acid tolerance of spoilage yeasts from sweet-cucumber pickles. Food Technol. 6:468-472. Ref. Dec. 1952. 389.8 F7398

18514 DRYDEN, E. C., WILLAMAN, J. J., and HILLS, C. H. Some factors affecting the pectin grade of apple pomace. Food Technol. 6:474-478. Dec.1952. 389.8 F7398

18515 JONES, A. H., and FABIAN, F. W. The viability of micro-organisms isolated from fruits and vegetables when frozen in different menstrua. Mich. Agr. Expt. Sta. Tech. B. 229,42 p. May 1952. 100 M58S

18516 JOSLYN, M. A., and DAVID, J. J. Acetaldehyde and alcohol in raw or underbalanced peas. Quick Frozen Foods 15(4):51-53,151-152. Nov.1952. 389.8 Q4

18517 KOCH, J., and BRETTHAUER, G. Zur beurteilung der filtrationsenzyme. I. Nachweis und bestimmung der pektase und pektinase durch viscositätsmessung. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:225-231. Oct.1952. 384 Z39

18518 LOCKEMANN, G. Ein schnellverfahren zur ermittlung des arsengehalts von traubenmost und anderen fruchtsäften. Z. f. Analyt. Chem. 137:26-30. 1952. 384 Z3

18519 MURZAEVA, A. M., and BRAILOVSKIĬA, A. E. Crystalization of wine tartar in grape juice. (In Russian.) Vinodel. i Vinograd. SSSR 3:21-23. Mar.1952. 95.8 V77

18520 RECCA, J., and MRAK, E. M. Yeasts occurring in citrus products. Food Technol. 6:450-454. Ref. Dec.1952. 389.8 F7398

18521 STEPANENKO, B. N., and AFANAS'EVA, E. M. On the structure of amylose of potato tubers. (In Russian.) Akad. Nauk SSSR. Dok. 86:789-792. Oct.1,1952. 511 P444A

Consumption and Utilization

18522 BREVIGLIERI, N. Table grapes to be preferred. (In Italian.) Gior. di Agr. 62:303-304. Oct.5, 1952. 16 It1G
Italy.

18523 GALEOTTI, G. Toward the season of grape consumption. (In Italian.) Rass. dell'Agr. Ital. 7(9):22-23. Sept.1952. 281.8 R18
Grape consumption in Italy.

18524 KNITTLE, F. J. Citrus consumption—review and outlook. (Excerpts.) Canning Trade 75(16):11-12. Nov.3,1952. 286.83 T67

18525 LAMBORN, E. W., and ANDERSON, R. H. Consumer demand for fruit, Salt Lake City, Utah, 1948-49. Utah. Agr. Expt. Sta. B. 356,20 p. Aug.1952. 100 Ut1

18526 MIÈGE, E. Une richesse perdue: l'utilisation rationnelle des sarments de vigne. Inform. Marocaine 611:1,4. Sept.27,1952. 281.8 In3
For manufacture of methane gas.

18527 NORTH CENTRAL REGIONAL POTATO RESEARCH MARKETING COMMITTEE. Consumer acceptance of sized potatoes in retail stores in Chicago. A report on research, by F. A. Krantz, H. O. Werner, R. A. Kelly, P. V. Hemphill, M. E. Cravens, and H. H. Bakken. St. Paul, U. Minn. Agr. Expt. Sta.,1951. 13 p. 280.375 N81

Distribution, Marketing, and Transportation

18528 ANGIER, H. Transportation—major concern of fruit industry. West. Fruit Grower 6(12):11-12. Dec. 1952. 95.8 G762

18529 BESTBIER, N. A. B. The fruit market in the United Kingdom. Citrus Grower 224:2-4. Sept.30,1952. 80 C495

18530 CLAYPOOL, L. L., and MORRIS, L. L. Flying vegetables to market. West. Grower & Shipper 23(12): 162-163. Nov.1952. 280.38 W52

18531 COPPLE, H. Washington State advertising, merchandising is designed for preselling apple consumers. West. Fruit Grower 6(12):9-10. Dec.1952. 95.8 G762

18532 FALCH, L. One million tons of peaches. Assoc. Food Distrib. Foods World 1:85. 1951. 389.9 As76
Work of the Cling Peach Advisory Board.

18533 FOSTER, M. A. Freight costs limit N. W. apple sales. West. Fruit Grower 6(12):16. Dec.1952. 95.8 G762

18534 GOODRICH, H. Building buying power for the future. West. Grower & Shipper 23(12):174. Nov.1952. 280.38 W52
Market for fresh vegetables.

18535 GOODRICH, H. How we are reaching the consumer. West. Grower & Shipper 23(12):78-82. Nov. 1952. 280.38 W52
Vegetable publicity.

18536 HEMINGER, R. Increased apple promotion funds needed. West. Fruit Grower 6(12):13-15. Dec.1952. 95.8 G762

18537 HINKLE, W. B., JR. Merchandising fresh fruits and vegetables in retail stores. II. Practices affecting sales and spoilage. N. Y. Agr. Col. A. E. 819, 62 p. June 1952. 281.9 C81

18538 JOHNSON, E. M. Start is made toward faster freight delivery. West. Fruit Grower 6(12):23. Dec.1952. 95.8 G762

18539 KIGER, H. C. B. C. agency cures growers' headaches. News Farmer Coop. 19(7):4-5. Oct.1952. 166.2 N47
B. C. Tree Fruits, Ltd., Kelowna, B. C., Canada.

18540 KIGER, H. C. California Walnut Growers Association. U. S. Farm Credit Admin. C. C-146,32 p. May 1952. 166.2 C4923

18541 KIGER, H. C. Walnut co-op serves growers well. News Farmer Coop. 19(8):3-4,13. Nov.1952. 166.2 N47
California Walnut Growers Association.

18542 KLUGE, T. O. Old propaganda line given wide circulation by packer field men seeking prunes. Sunsweet Standard 36(5):2-3. Oct.1952. 286.83 Su7

18543 MAGEE, M. Public relations ground work laid. West. Grower & Shipper 23(12):85-86. Nov.1952. 280.38 W52
Vegetables.

18544 MEALS, C. F. Seeking votes for walnuts; advertising program resembles political campaign. Diamond Walnut News 34(6):4-6. Nov.1952. 94.68 D34

18545 MONTGOMERY, J. A. Rising shipping costs burden Western fruit industry. West. Fruit Grower 6(12):20. Dec.1952. 95.8 G762

18546 PODMORE, J. A., and WRIGHTINGTON, D. C. Motor carrier transportation of frozen citrus concentrates. Quick Frozen Foods 15(4):61-62. Nov.1952. 389.8 Q4

18547 SIMONART, A. Sur un moyen simple de conserver les pulpes de betteraves pendant leur transport (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(1):801-802. 1952. 388 C765Re
English summary.

18548 SKALL, E. Technik des transportes von obst und gemüse. Obst u. Gemüse 4:928-930. Sept.18,1952. 286.83 Ob72

18549 STRAUSS, G. Carriers strive for faster service. West. Grower & Shipper 23(12):232-234. Nov. 1952. 280.38 W52
Vegetable transportation by railroad.

18550 U. S. PRODUCTION AND MARKETING ADMIN. Marketing Arizona Salt River Valley cantaloups; summary of 1952 season, by C. B. Miller. Phoenix,1952. 8 p. 1.9 Ec741L
Arizona Fruit and Vegetable Standardization Service, Bureau of Market News cooperating.
Also a similar report on marketing lettuce.

18551 U. S. PRODUCTION AND MARKETING ADMIN. Marketing 1951 crop Colorado green peas, cauliflower, mixed vegetables, by W. P. Cudmore, Jr. Denver,1952. 11 p. 1.9 Ec741L
Colorado State Department of Agriculture cooperating.
Also similar reports on marketing potatoes and onions.

18552 U. S. PRODUCTION AND MARKETING ADMIN. Summary of Yuma Valley cantaloup season, 1952, by C. Pursley. Yuma,1952. 10 p. 1.9 Ec741L
Arizona Fruit and Vegetable Standardization Service, Bureau of Market News cooperating.
Also a similar report on lettuce.

18553 VOEGELI, L. Practical tests aid shippers. West. Grower & Shipper 23(12):72-74. Nov.1952. 280.38 W52
Vegetables.

18554 WESTBERG, F. H. Commission builds teamwork in promoting Washington fruit sales. West. Fruit Grower 6(12):7-8. Dec.1952. 95.8 G762
Washington State Fruit Commission.

18555 WILCOX, R. W. Marketing agreements. Idaho State Hort. Soc. Trans. 1952:23. 81 Id12
Prunes.

Grading, Inspection, Standardization, and Quality

18556 BOGGS, M. M., and TALBURT, W. F. Comparison of frozen and dehydrofrozen peas with fresh and stored pod peas. Food Technol. 6:438-442. Ref. Nov.1952. 389.8 F7398

18557 DAVIS, G. B. Quality losses to Oregon late crop potatoes in handling operations at shipping point. Oreg. Agr. Expt. Sta. B. 526,18 p. Oct.1952. 100 Or3

18558 FIELDING, A. M. Grape and deciduous fruit weights and loading practices. West. Fruit Grower 6(12): 17. Dec.1952. 95.8 G762

18559 GARMAN, R. Prune maturity and quality: the problem. Idaho State Hort. Soc. Trans. 1952:21-22. 81 Id12
Relationship to marketing.

18560 GOULD, W. A. Apple juice quality depends on good raw stock, speed in handling. Food Packer 33(12):26,48,50. Dec.1952. 286.83 C165

18561 HARDING, P. L. Evaluating palatability in Florida citrus fruits. Amer. Soc. Hort. Sci. Proc. 59:303-306. June 1952. 81 So12

18562 KIDD, F., and WEST, C. The storage qualities of late dessert varieties of apples. Gt. Brit. Food Invest. Bd. Tech. Paper 2,20 p. Ref. 1952. 389.9 G792T

18563 LEWIS, W. E., and HANNUM, D. B., JR. The shelf life of tangerines in retail store display cases. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 278,4 p. Aug.1952. 1.9 P772Ht

18564 LIEBSTER, G. Stand und problematik der qualitätsbeurteilung beim obst. Landwirt. Forsch. Sonderh. 2:79-87. 1952. 18 L2333A

18565 LUTZ, J. M. Influence of temperature and length of curing period on keeping quality of Porto Rico sweetpotatoes. Amer. Soc. Hort. Sci. Proc. 59:421-425. Ref. June 1952. 81 So12

18566 PENNSYLVANIA STATE COLLEGE. AGRICULTURAL ECONOMICS EXTENSION. What grade should I pack? Guide Post 30(11):3-4,6. Nov.1952. 75.8 G94

18567 RASMUSSEN, M. P., SMITH, O., and JOHNSON, J. R. An economic study of retail marketing of potatoes graded by specific gravity (a progress report). N. Y. Agr. Col. A. E. 841,23 p. Sept.1952. 281.9 C81

18568 TAYLOR, P. R. When is a tomato red? Nation's Agr. 27(11):16-17. Dec.1952. 280.82 B89
Grading.

18569 U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for peaches. Washington,1952. 7 p. 1.9 M344Pe

18570 VERNER, L. The problem of quality in the Italian prune. Idaho State Hort. Soc. Trans. 1952:24-25. 81 Id12

Packing and Packaging

18571 ALCANDER, T. Packing and storage of fruit. (In Swedish.) Trädgårdstidningen 24(9):7-9. Sept.1952. 80 T67

18572 DAVIS, G. B. Marketing potatoes in corrugated fiberboard boxes. Oreg. Agr. Expt. Sta. C. Inform. 516,6 p. Nov.1952. 100 Or3C
Oregon State Department of Agriculture and the Oregon Potato Commission cooperating.

18573 DAVIS, G. B., and MARTIN, L. C. Packaging late crop potatoes at shipping point and at terminal market. Oreg. Agr. Expt. Sta. B. 527,19 p. Oct.1952. 100 Or3

18574 DE FREMERY, P. Bag label vital sales factor. West. Grower & Shipper 23(12):200,202. Nov. 1952. 280.38 W52
Vegetables.

18575 EVANS, W. Wrapping celery up fast. West. Grower & Shipper 23(12):212. Nov.1952. 280.38 W52

18576 FEARN, J. W. Buying labels—the modern way. West. Grower & Shipper 23(12):204-205. Nov. 1952. 280.38 W52
For vegetables.

18577 FEARN, J. W. Two-thirds lettuce crate approved. West. Grower & Shipper 23(12):214-215. Nov.1952. 280.38 W52

18578 FRENCH, B. C. The fourth report in a series on efficiency in fruit marketing: packing costs for California apples and pears. Giannini Found. Agr. Econ. Mimeog. Rpt. 138,25 p. Oct.1952. 281.9 G34M

18579 HULME, A. C. The use of skin coatings and special wraps in the storage of apples and pears. Kent Farmer 1:271,273. Oct.1952. 10 K412

18580 KLOTZ, L. J., and DEWOLFE, T. A. Steam sterilization of citrus boxes. Calif. Citrog. 38(2):68. Dec.1952. 80 C125

18581 KNODEL, L. R., and ELVIN, E. J. Infrared determination of biphenyl in treated fiberboard cartons. Analyt. Chem. 24:1824-1826. Nov.1952. 381 J825A
Orange cartons.

18582 LEFEBVRE, P. H. Nouvelles méthodes de controle des boîtes de conserves mises au point ou a l'étude à l'Institut National pour l'Amélioration des Conserves de Légumes (I.N.A.C.O.L.)—Belgique. Cong. Internaz. Indus. Agr. Relaz. 9(1):785-800. 1952. 388 C765Re
English summary.

18583 MCANALLY, J. N. Taring of bean cases. Queensland Fruit & Veg. News 2(42):8; (43):7; (44):27; (45):29-30. Aug.29-Sept.19,1952. 280.38 Q3

18584 MILLAR, R. F. An amazing carrot shed. West. Grower & Shipper 23(12):218-220. Nov.1952. 280.38 W52
Packing.

18585 MOUCHLY, J. Un type de container démontable. Fruits 7:442. Oct.1952. 80 F9492

18586 ROBERTSON, B. C., and ARONOW, W. A. Economical use of fibreboard; study of master shipping containers for pre-packaged tomatoes illustrates possibilities. Mod. Packaging 26(3):141-143. Nov.1952. 309.8 M72

18587 ROSS, D. T. New lettuce foil crate liners. West. Grower & Shipper 23(12):206-209. Nov.1952. 280.38 W52

18588 RYGG, G. L., and MCCOY, W. W. Bean prepackaging study. West. Grower & Shipper 23(12): 152-156. Nov.1952. 280.38 W52

18589 STOKES, C. F. How to double packaged tomato sales. West. Grower & Shipper 23(12):167,170. Nov.1952. 280.38 W52

18590 STOYE. Die errichtung von kistensammelstellen im juristischen licht. Obst u. Gemüse 4:964, 966. Sept.18,1952. 286.83 Ob72

18591 STRAUSS, G. Research proves profit in prepackaging. West. Grower & Shipper 23(12):158-159. Nov.1952. 280.38 W52
Vegetables.

18592 VIALI, G. Fruit and vegetable packing. (In Italian.) Gior. di Agr. 62:327. Oct.26,1952. 16 It1G

Prices, Price Control, and Rationing

18593 U. S. BUR. OF AGRICULTURAL ECONOMICS. Marketing margins for fruits and vegetables in California and a comparison of two methods of measurement, by R. V. Enochian. Washington,1952. 34 p. 1.941 M3M3424

Processing and Storage

18594 ALARCÓN GONZÁLEZ, J. Conservación de frutas en refrigeración. Tierra [México] 7:542-545. Aug.1952. 8 T445

18595 AMBJØRNRUD, O., ed. Frukt og grønnsaker hele aret [Fruit and vegetables the whole year round]. Oslo,Cappelen,1951. 173 p. 389.3 Am1
Preservation.

18596 ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY. Fruit and vegetable utilisation. London,1952. 56 p. (Productivity Team Report) 389 An4F
Processing.

18597 ATKINSON, F. E., and others. Improvements in the candying of fruits. Food Technol. 6:431-436. Nov.1952. 389.8 F7398
C. C. Strachan, A. W. Moyls, and J. A. Kitson, joint authors.

18598 BAKER, C. E. and MAXIE, E. C. An apparent retardation of a physiological spot on Red Rome apples in storage by activated charcoal and shredded oiled paper. Amer. Soc. Hort. Sci. Proc. 59:312-314. June 1952. 81 So12

18599 BARBATI, P. Italian dilemma. Assoc. Food Distrib. Foods World 1:66-67. 1951. 389.9 As76
Cherry processing.

18600 BARTLETT, D. S., CRAWFORD, A. E., and MITCHELL, A. G. Dark brown beans practical and economical. Canad. Food Indus. 23(11):34-35. Nov. 1952. 286.83 C166
Processing.

18601 BAUERNFEIND, J. C., SMITH, E. G., and SIEMERS, G. F. Better color, better flavor in processed mushrooms by adding ascorbic acid. Food Engin. 24(12): 89-92. Dec.1952. 389.8 F737

18602 BREKKE, J. E. New methods of processing fruit crops. Idaho State Hort. Soc. Trans. 1951:35-39. Ref. 81 Id12

18603 CLARKE, W. S., JR. A comparison of the storage life of standard varieties of apples with their red bud sports. Amer. Soc. Hort. Sci. Proc. 59:315-318. June 1952. 81 So12

18604 CRIST, R. E. The canning of guava fruits: an item in the industrialization of Cuba. J. Geog. 51: 338-341. Nov.1952. 278.8 J82

18605 CULTRERA, R. Production and preservation of citrus juices. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):957-972. Ref. 1952. 388 C765Re
English summary.

18606 DEMPSEY, A. H. Sweet potato returns increased by proper curing and storage. Res. News [Ga. Sta.] 3(8):1-2,4. Oct.1952. 100 G29R

18607 DEWEY, D. H. Evaporative cooling of fruits and vegetables. Refrig. Engin. 60:1281-1283,1295. Dec.1952. 295.9 Am32J

18608 DOBIE, N. D., and YOUNG, R. A. Use of chloropicrin in steam for disinfesting storage houses. (Abs.) Phytopathology 42:513. Sept.1952. 464.8 P56
Sweetpotato disease control.

18609 DOYLE, J. L. The case for lemon juice. Quick Frozen Foods 15(5):62. Dec.1952. 389.8 Q4
Frozen.

18610 DUNLAP, H. C. California dried fruits. Assoc. Food Distrib. Foods World 1:20-23. 1951. 389.9 As76

18611 DUPAIGNE, P. La production américaine des jus de fruits vue par un europeen. Cong. Internaz. Indus. Agr. Relaz. 9(2):1001-1014. 1952. 388 C765Re
English summary.

18612 EMANUELE, F. Production and preservation of fruit and vegetable juices. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):941-956. 1952. 388 C765Re
English summary.

18613 EMILSSON, B. Storage of potatoes in buildings important results of English investigations. (In Swedish.) Lantmannen 36:862-863. Oct.25,1952. 11 L234

18614 FERNANDEZ MONTES, G. Estudio de los procedimientos de conservación de los productos y subproductos agrícolas. Cong. Internaz. Indus. Agr. Relaz. 9(2):493-506. 1952. 388 C765Re
English summary.
Fruit canning for Spanish export.

18615 FIDLER, J. C. Factors affecting the efficiency of gas storage of apples and pears. Kent Farmer 1:243, 245. Sept.1952. 10 K412

18616 GOVI, G. A rot of stored fruits by Phacidiopycnis furfuracea (Rostr.) Jørst. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1121-1129. Ref. 1952. 16 An76
English summary.

18617 GRAHAM, R. P., BROWN, A. H., and RAMAGE, W. D. Development of a double-drum dejuicing press. West. Canner & Packer 44(13):22,24,40. Dec.1952. 286.83 W522
For extracting juice from pear waste.

18618 HARVEY, J. M. Field applications of fungicide reduce decay in stored grapes. (Abs.) Phytopathology 42:514. Sept.1952. 464.8 P56

18619 HASHIMOTO, M. A method of manufacturing of dried sweet potato and its specification. (In Japanese.) Kyushu Noji Shikenjo 9:101-102. Mar.1952. 107.6 K996

18620 HIELE, T. VAN. The storage of fruit. (In Dutch.) Vakblad 6(41):9. Oct.17,1952. 286.28 V22

18621 JEANNEAU, M. Y. Le séchage des figues. Algeria. Inst. Agr. Ann. 6(5),18 p. Jan.1952. 108 AL35

18622 JOSLYN, M. A., and DIEHL, H. C. Physiological aspects of low temperature preservation of plant products. Annu. Rev. Plant Physiol. 3:149-170. Ref. 1952. 450 An78
Fruit and vegetable freezing.

18623 KRESS, H. Das gülzower kartoffeleinmietverfahren. Deut. Landwirt. 3:580-581. Nov.1952. 18 D4822
Russian Zone.

18624 LARSEN, E. Fruit storage;Denmark's largest and most modern cooperative. (In Danish.) Erhvervsfrugtavleren 19:11-14. Oct.1,1952. 80 Er3

18625 LEFEBVRE, P. H. Possibilités offertes en conserveries de legumes par les rayons ultra—violets pour steriliser les sucres cristallisés ou en sirops, les fécules et les legumes. Cong. Internaz. Indus. Agr. Relaz 9(2):47-58. 1952. 388 C765Re
English summary.

18626 LEVIN, J. H., and GASTON, H. P. Fruit handling with fork lift trucks. Food Packer 33(12):36, 38,44. Dec.1952. 286.83 C165
In orchard and processing plant.

18627 LÜTHI, H. Zur herstellung und konservierung alkohlfreier obstsäfte. Cong. Internaz. Indus. Agr. Relaz. 9(2):987-1000. 1952. 388 C765Re
English summary.

18628 LUTHI, H. Der neuartige kolbenlose "Willmespresser." Schweiz. Z. f. Obst- u. Weinbau 61:487-489. Nov.15,1952. 80 Sch9
For grapes.

18629 MARTÍNEZ DE BILLARD, J. E. Conservación de frutas al natural. Pampa Argentina 25(290):22. Feb.1952. 9 P19

18630 MESSA, P. Relazione di una prova tendente alla migliorio della esportazione ortofrutticola & delle basi per conservifici [Report of a test for improvement of horticultural exports and bases for conservation]. Bari,1952? 7 p. 295 M56
Refrigeration.

18631 MILLER, I. Your potato storage; is it doing the job? Guide Post 30(11):10-11. Nov.1952. 75.8 G94

18632 MOSCOW. NAUCHNO-ISSLEDOVATEL'SKIĬ INSTITUT TORGOVLI I OBSHCHESTVENNOGO PITANIÂ. Sbornik refŝeptur i tekhnologicheskikh ukazaniĭ po pererabotke plodov i ovoshcheĭ [Collection of recipes and technological instruction on processing fruits and vegetables]. Ed. 2, rev. and enl. Moskva,Gostorgizdat,1952. 150 p. 389.3 M852S

18633 NAVELLIER, E. Un densimètre de précision. Fruits 7:439-441. Oct.1952. 80 F9492
For fruit juice analysis.

18634 NEW SOUTH WALES DRIED FRUITS BOARD. Report for the year 1951. Sydney,1952. 7 p. 281.3939 N47
Statistical.

18635 NIEDERLAG, W. Maschinen und apparate der deutschen kartoffel- und getreidebrennereien im wandel der zeit. Branntweinwirtschaft 74:315-318. Sept.2,1952. 390.8 B7322

18636 NOLZ, O. Die einlagerung von kraut. Landwirtschaft 21/22:324-326. Nov.1952. 19 L235

18637 ORSHANSKY, Y. Cold storage of vegetables in Israel. (In Hebrew.) Hassadeh 32:523-525. (Concl.) Aug./Sept.1952. 26 H27

18638 PHILLIPS, W. R. Where are we going with refrigeration? Macdonald Farm J. 13:9-11. Sept.1952. 101 M144
Fruit storage and quality, and problems of rapid cooling.

18639 PROPAGANDASTICHTING CONSUMPTIE-AARDAPPELEN. How to handle the Dutch ware potato. The Hague,1952. 16 p. 280.375 P942
Storage.

18640 RASMUSSEN, H. E., and HANSEN, E. W. Berry preserves. (In Danish.) Konserves 10:61-66. June 1952. 389.8 K835

18641 REIG FELIU, A. Retención de vitamina C en el jugo de naranja, desaireado y pasteurizado, durante el almacenaje a varias temperaturas. Cong. Internaz. Indus. Agr. Relaz. 9(2):973-986. 1952. 388 C765Re
English summary.

18642 RYALL, A. L. Precooling and transit refrigeration of fresh fruits. West. Fruit Grower 6(12): 18-19. Dec.1952. 95.8 G762

18643 SENN, T. L. and SCOTT, L. E. Post-storage studies with Richared Delicious apples. Amer. Soc. Hort. Sci. Proc. 59:319-326. June 1952. 81 So12

18644 SHAW, H. L. Citrus concentrate plant instrumentation. Fla. Engin. & Indus. Expt. Sta. B. 6(8): 19-25. Aug.1952. 290.9 F66

18645 SHEPHERD, A. D., and GRAHAM, R. P. Preparation and evaluation of dried citrus peel as a pectin source material. Food Technol. 6:411-413. Nov.1952. 389.8 F7398

18646 SHUEY, G. A. Keep vegetables fresh—freezing retains quality. Tenn. Agr. Expt. Sta. Prog. Rpt. 3:8-9. July/Sept.1952. 100 T25F

18647 SMITH, W. H. The pre-cooling and storage of soft fruit, stone fruit and vegetables. Kent Farmer 1: 247,249. (Cont.) Sept.1952. 10 K412

18648 SMITH, W. L., JR., and SMART, H. F. Natural barriers protect potatoes from soft rot infection. (Abs.) Phytopathology 42:481. Sept.1952. 464.8 P56
Bacterial soft rot in stored potatoes.

18649 SMITH, W. L., JR. Streptomycin sulfate for control of bacterial soft rot of packaged spinach. (Abs.) Phytopathology 42:475. Sept.1952. 464.8 P56

18650 SMOCK, R. M. and GROSS, C. R. The effect of the vapors of different quanities of apricots on the ripening rate of apples. Amer. Soc. Hort. Sci. Proc. 59:307-311. June 1952. 81 So12

18651 STEWART, W. S., PALMER, J. E., and HIELD, H. Z. Packing-house experiments on the use of 2,4-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid to increase storage life of lemons. Amer. Soc. Hort. Sci. Proc. 59:327-334. Ref. June 1952. 81 So12

18652 TOMKINS, R. G. Lenticel rotting of apples. Kent Farmer 1:267,269,271. (Cont.) Oct.1952. 10 K412
Caused by fungi.

18653 TULLEY, C. R. The importance of quality in the processing of fresh fruits. Idaho State Hort. Soc. Trans. 1952:11-15. 81 Id12

18654 ULRICH, R. La réfrigération des pêches. Fruits 7:413-416. Ref. Oct.1952. 80 F9492

18655 WATSON, D. J. Financial analysis of fruit and vegetable processing plants. N. Y. (Cornell) Agr. Expt. Sta. B. 881,16 p. Oct.1952. 100 N48C

18656 YUNOMURA, H. Laboratory studies on the process and application of potato alpha-flour. I. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63: 70-77. Mar.1952. 107.6 H68
English summary.

Statistics

18657 BERNARDINI, F. Fruit chestnuts. (In Italian.) Monti e Boschi 3:398-404. Sept.1952. 16 M76
Area and monetary returns in Italy.

18658 HONL, V. Wachstumsstand und ernteaussichten bei gemüse in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:273-274. Sept.1952. 265 St24

18659 LYMAN, M. A. Fruit tree count. Idaho State Hort. Soc. Trans. 1951:33-34. 81 Id12

18660 OLIVA, A. Producción frutícola nacional. Bolsa de Com. Rosario. Rev. 40(976):3. Sept.15,1952. 287 R71
Statistical.

18661 SCHLOTZHAUER, E. O., and FROST, O. M. Fruits (noncitrus); production, farm disposition, value, and utilization of sales, 1944-49; revised estimates. U. S. D. A. Statis. B. 114,45 p. Oct.1952. 1 Ag84St

18662 VASIL'EV, M. A. To adjust the estimating of grape planting on state farms. (In Russian.) Vinodel. i Vinograd. SSSR. 11(11):52-53. Nov.1951. 95.8 V77

18663 WIRTH, H. Die neue obsternte in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:271-273. Sept.1952. 265 St24

18664 WIRTH, H. Wachstumsstand der reben und güte der trauben ende august 1952 in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:274-275. Sept.1952. 265 St24

GRAIN AND GRAIN PRODUCTS

18665 ADAIR, C. R. Método McGill para determinar la calidad para el pilado de pequenas muestras de arroz. Agr. Mod. [New Orleans] 6:11-12,14,16. Aug.1952. 6 Ag8

18666 AHLBORN, F. Die müllerei im blickwinkel der ausmahlungsbestimmungen während zweier weltkriege. Mülleret 5:598-599. Sept.13,1952. 298.8 M91
Germany.

18667 ANDREEVA, N. I. Active ventilation of grain in the elevator silos. (In Russian.) Vsesoĭuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:19-50. 1951. 59.9 M85

18668 AURIOL, R. F. Étude chimique et technologique des paddy riz et derives. Saigon,1951? unpaged. 59.24 Au6

18669 BALASUBRAMANIAN, S. C., and others. Amino-acid composition of Indian foodstuffs. II. Lysine, methionine, phenylalanine and histidine content of some cereals. Indian J. Med. Res. 40:219-234. Ref. Apr.1952. 448.8 In22
M. Ramachandran, T. Viswanatha, and S. S. De, joint authors.

18670 BEMELMANS, J. Study of stored corn. (In Portuguese.) Colheit. e Mercados 8(7/8):9-11. July/Aug.1952. 255.3 Sa652
Analysis.

18671 BERLINER, E. Das eintauchrefraktometer im mühlenlaboratorium. Wiss. Müllerei 8:81-84. In Müllerei 5(34). Aug.23,1952. 298.8 M91

18672 BRANDNER, L. Your new home may be built from grain sorghum products. Crops & Soils 5(3):19. Dec.1952. 6 W55

18673 BRATUKHIN, A. M., and others. From the experiment in studying and utilizing improved milling of wheat varieties from the eastern districts of U. S. S. R. (In Russian.) Vsesoĭuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Soobshch. i Ref. 3:9-14. 1951. 59.9 M85S
P. I. Serdiukov, N. G. Fedotov, S. G. Baĭbulatova, S. B. Rostovskiĭ, and S. M. Fridman, joint authors.

18674 BROCKLEHURST, K. R. Whither is Australian milling headed? Australas. Baker & Millers' J. 55(667): 76-80. Oct.1952. 298.8 Au7
Includes discussion.

18675 BROOKS, W. F. The entire grain trade is not to blame for the acts of a few converters. Grain & Feed Rev. 41(8):10,55-56. Apr.1952. 280.28 G78
Warehousing.

18676 BRUCKNER, G. Die wissenschaftlichen vorträge über getreideverarbeitung auf dem IX. Internationalen Kongress der Landwirtschaftlichen Industrien in Rom. 27.5—1.6.1952. Getreide u. Mehl 2:91-93. Aug.1952. 298.8 G332

18677 BRUECKNER, G. Der einfluss der lagerung auf den verarbeitungswert des weizens. Cong. Internaz. Indus. Agr. Relaz. 9(1):641-656. Ref. 1952. 388 C765Re

18678 CALDWELL, M. L., LARSON, N., and HUSTON, B. Absence of meso inositol in purified amylase preparations from different sources. Cereal Chem. 29:463-469. Ref. Nov.1952. 59.8 C33
Includes β-amylase from barley.

18679 CAMPOS, J. Conservación de cereales en silos subterráneos. Del Trigo al Pan 8(46):3. June 1952. 298.8 D37

18680 CANADA. BOARD OF GRAIN COMMISSIONERS. Canadian wheat 1952 crop. Canada. Grain Res. Lab. Crop B. 45,15 p. Oct.1952. 59.9 C161C

18681 CAROLIS, V. DE. By treating the farmers badly, one brings about the ruin of the country; the truth about grain prices and various other things. (In Italian.) Gior. di Agr. 62:331. Nov.2,1952. 16 It1G
Italy.

18682 CARPENTER, A. W., and BENSON, H. J. Penn flour millers and feedmen. East. Feed Merchant 3(11):36-38,40,82. Nov.1952. 389.78 Ea7

18683 CHRISTENSEN, C. M. Sick wheat. Min. Farm & Home Sci. [Minn. Sta.] 10:3,19. Oct.1952. 100 M668
Caused by moisture content when harvested and during storage.

18684 CHRISTENSEN, J. Grain storage. (In Danish.) Jydsk Landbr. 34:631-632. Sept.18,1952. 11 J99
Denmark.

18685 CONGRES INTERNATIONAL TECHNIQUE ET CHIMIQUE DES INDUSTRIES AGRICOLES. DELEGATION DU VIET-NAM. Le riz étuvé et ses sous-produits. Cong. Internaz. Indus. Agr. Relaz. 9(1):279-298. 1952. 388 C765Re

18686 COPPOCK, J. B. M., MORAN, T., and FRAZER, A. C. Symposium on certain agents used in milling and baking. Roy. Soc. Med. Proc. 45:677-684. Ref. Oct.1952. 448.9 R814
Bleaching and fortifying.

18687 CUNEO, R. Principal factors for breadmaking. (In Italian.) Italia e i Cereali 7:21-26. Jan.1952. 59.8 It1
Flour.

18688 DESCHREIDER, A. R. Influence des rayons ultra-violets sur la farine. IX. Cong. Internaz. Indus. Agr. Relaz. 9(2):19-34. 1952. 388 C765Re
English summary.

18689 DRAGHETTI, A. Another step ahead and more possible in agricultural production. (In Italian.) Agr. delle Venezie 6:445-448. Oct.1952. 16 Ag826
Grain production.

18690 DREWS, E. Neuere untersuchungsergebnisse über die qualität der heutigen handelsmehle. Brot u. Gebäck 6:140-143. Sept.1952. 298.8 G33
Analysis.

18691 DUNSHEA, L. C. Wheat and arable farming. (2). N.Z. production, requirements and marketing. Lincoln Col. Farmers' Conf. Proc. 1952:25-28. 27 L63

18692 ECKARDT, O. Das mikroskop, seine handhabung und anwendung im mühlenlaboratorium. Deut. Müller-Ztg. 50:490-491. (Cont.) Oct.1,1952. 298.8 Su2
Wheat and rye analysis.

18693 EHLERS, C. Chemische vorgänge beim rösten von getreide. Getreide u. Mehl 2:93-95. Aug.1952. 298.8 G332

18694 ENTE NAZIONALE RISI. In difesa della economia risicola. Vent'anni di attività dell'Ente Nazionale Risi [Protection of the rice economy. Twenty years of the activities of the National Rice Corporation]. Milano,Istituto Grafico Vanzetti Vanoletti,1952. 87 p. 59.9 En8I

18695 EVANS, J. Chicago Grain Exchange, the hub of America's grain markets. Iowa Agr. 51(3):22-23,58. Nov.1952. 6 Io9

18696 EVANS, S., STATISTICAL SERV. Grain shipments from country stations in the provinces, August 1st, 1951 to July 31st 1952, 3rd report. Winnipeg,1952. various pagings. 286.81 Ev1

18697 EVANS, S., STATISTICAL SERV. Grain trade year book 1951-52; full Canadian grain statistics, with summary tables for principal foreign countries and world's production and movement, year ending July, 1952, volume XXXII. Winnipeg,1952. 131 p. 286.3599 C16

18698 FERRARI, A. Relation of flour yield to its color. (In Italian.) Selez. di Tec. Molitoria 3(3):37-38. July 1952. 298.8 Se42

18699 FESTA, N. FA., and AKIVIS, S. I. Effect of storage conditions on the quality of proso millet. (In Russian.) Vsesoîuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:92-115. 1951. 59.9 M85

18700 FIFIELD, C. C., and ROBERTSON, D. W. Milling, baking and chemical properties of Marquis and Kanred wheat grown in Colorado and stored 19 to 27 years. Agron. J. 44:555-559. Nov.1952. 4 Am34P

18701 FINK, H., WÖGER, K., and HEIDER, H. Bestimmung der keimfähigkeit nach dem tetrazoliumverfahren. IV. Brauwissenschaft 10:165-169. Oct.1952. 390.8 B733
Barley.

18702 FINZI, E. Determination of color in hard wheat bran. (In Italian.) Chimica (n.s.)7:312-315. 1952. 385 C445

18703 FOOTE, R. J., KLEIN, J. W., and CLOUGH, M. The demand and price structure for corn and total feed concentrates. U. S. D. A. Tech. B. 1061,79 p. Ref. Oct. 1952. 1 Ag84Te

18704 FRATTARI, E. Active and passive of the recent grain vicissitude. (In Italian.) Rass. dell'Agr. Ital. 7(7):1-2. July 1952. 281.8 R18
Prices.

18705 GEIGER, E., COURTNEY, G. W., and GEIGER, L. E. The physiological availability of some essential amino acids present in zein, in the acid and in the enzymatic hydrolyzate of zein. Arch. Biochem. & Biophys. 41:74-82. Ref. Nov.1952. 381 Ar2

18706 GOLIK, M. G. Effect of low temperatures on germination of corn [in storage]. (In Russian.) Vsesoîuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:76-85. 1951. 59.9 M85

18707 GOLIK, M. G. Importance of hygroscopicity of individual parts of the corn kernel for storage. (In Russian.) Vsesoîuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:86-91. 1951. 59.9 M85

18708 GRAIN AND FEED DEALERS NATIONAL ASSOCIATION. Directory, winter, 1952. St.Louis,1952. 72 p. 225 G763

18709 GREER, E. N. Impressions of America: concerning the drying, storing and marketing of grain. Milling 119:512,514-515,528. Nov.15,1952. 298.8 M622

18710 HAFNER, R. Leistungssteigerung durch verlustminderung bei unterschlächtigen wasserrädern. Müllerei 5:555-556. Aug.23,1952. 298.8 M91

18711 HALL, T. E., and others. Where and how much cash grain storage for Indiana farmers. U. S. Farm Credit Admin. B. 68,46 p. Apr.1952. 166.2 B87
J. W. Hicks, W. K. Davis, and N. Coats, joint authors.

18712 HARRIS, R. H., SIBBITT, L. D., and SCOTT, G. M. Effect of variety on the milling and baking quality of bread and durum wheat flour blends. Cereal Chem. 29:421-430. Nov.1952. 59.8 C33

18713 HELLSTROM, V. Comparative biological, fluorometric, and microbiological assays of riboflavin in enriched wheat flour, and in whole wheat. Stockholm, Generalstabens Litografiska ana Anstalts Förlag,1952. 37 p. (Ingeniörsvetenskapsakademiens, Stockholm. Handlingar, Nr. 209) 386.3 H36

18714 HERMIDA, E. V. Microanálisis de harina. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:286. May 1952. 385 R322

18715 HESS, K. Experimentelle untersuchungen über grenzflächen und volumphasen in mehl bei der verarbeitung zu teig und gebäck. Cong. Internaz. Indus. Agr. Relaz. 9(1):625-640. Ref. 1952. 388 C765Re

18716 HOPF, L. Trocknung innerhalb der vermahlung. Müllerei 5:593-594. Sept.13,1952. 298.8 M91

18717 JACOBS, J. D. A note on the influence of chlorine dioxide on the solubility of the wheat flour proteins. Cereal Chem. 29:476-477. Nov.1952. 59.8 C33

18718 JAMISON, L. R. Modern developments in sanitary transportation of grain and flour. Mod. Miller & Bakers News 79(25):24-25,37. Dec.6,1952. 298.8 M72

18719 JORGENS, J. R. S., and SNODGRASS, D. Handling-storing costs of country grain warehouses in Washington. Wash. Agr. Expt. Sta. B. 536,30 p. June 1952. 100 W27E

18720 KESSLER, C. M. The ten commandments of selling. Grain & Feed J. Consolidated 109(10):19. Nov. 26,1952. 298.8 G762

18721 KOPLIN, F. Keine kontingentierung ohne beachtung des beschäftigungsgrades. Müllerei 5:629. Sept.27,1952. 298.8 M91
Germany.

18722 KOZ'MINA, N. P., ed. Voprosy khraneniîa zerna [Problems of grain storage]. Moskva,Gos. Izd-vo Tekhn. i Econ. Lit-ry po Voprosam Zagotovok,1951. 167 p. (Trudy Vsesoîuznogo Nauchno-Issledovatel'skogo Instituta Zerna i Produktov Ego Pererabotki 22) 59.9 M85

18723 KREIMERMAN, G. I. Investigation of operation of mobile conveyer belts which are utilized in the transport of grain [in storage]. (In Russian.) Vsesoîuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:130-150. Ref. 1951. 59.9 M85

18724 KRESS, H. Gibt es einen herkunftswert beim getreide? Deut. Landwirt. 3:603-604. Ref. Nov.1952. 18 D4822
Russian Zone.

18725 LAUTE. Müller contra Landesernährungsamt. Mühle 89:616-617. Sept.25,1952. 298.8 M89
German flour milling regulations.

18726 LAVASSIERE, F., GUILBOT, A., and GUILLEMET, R. Le contrôle de la pureté et de la conservation des produits dérivés de l'avoine. Cong. Internaz. Indus. Agr. Relaz. 9(1):591-604. 1952. 388 C765Re

18727 LEA, H. Trend of prices in the corn trade. Milling 119:506-508. Nov.15,1952. 298.8 M622
Great Britain.

18728 LEHMANN, E., and SEIDL, F. Weitere gersten der ernte 1952. Brauwelt 39:940-941. Sept.25, 1952. 390.8 B732
Analysis of German barleys.

18729 LINDEMANN, E. Neue erfahrungen bei der verwendung von stärke in der bäckerei. Brot. u. Gebäck 6:160-163. Oct.1952. 298.8 G33

18730 MACKENZIE, J. M. How do you figure your flour yields? Nowest. Miller (Milling Prod. Sect.)248 (24):1a,16a-18a. Dec.9,1952. 298.8 N81

18731 MAES, E., and DRIESSCHE, S. VAN DEN. Influence des rayons ultra-violets sur la farine. VIII. Cong. Internaz. Indus. Agr. Relaz. 9(2):1-18. 1952. 388 C765Re
English summary.

18732 MAES, E., and others. Influence des rayons ultra-violets sur la valeur boulangère de la farine. Cong. Internaz. Indus. Agr. Relaz. 9(2):35-46. 1952. 388 C765Re
A. R. Deschreider, M. Bauwen, and S. van den Driessche, joint authors.
English summary.

18733 MAMPEL, H., II. Erfahrungen beim häckseln und häckseldreschen. Deut. Landwirt.-Gesell. Mitt. 67: 655-656. Sept.13,1952. 18 N39
Equipment.

18734 MOROZOV, A. S. In regard to respiration of corn in storage. (In Russian.) Vsesoiuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Soobshch. i Ref. 3: 4-5. 1951. 59.9 M85S

18735 MULHOLLAND, W. W. Wheat and arable farming. (3). Wheat in New Zealand farming. Lincoln Col. Farmers' Conf. Proc. 1952:29-34. 27 L63
Includes discussion.

18736 MUNSEY, V. E., and GRAICHEN, C. Identification of cumaric acid in rough rice. Assoc. Off. Agr. Chem. J. 35:928-929. Nov.15,1952. 381 As7

18737 MUNTONI, F., and RENZI, D. On water contents determination in semolinas at 130°-135°C. (In Italian.) Ist. Super. di Sanit. Rend. 15:296-304. 1952. 449.9 R66
English summary.

18738 NICHOLAS, D. J. D. The potassium status of barley in relation to yields of grain. J. Agr. Sci. 42:468-475. Ref. Oct.1952. 10 J822

18739 PANICH, A. S. Effect of varied temperatures in the [stored] grain mass on the redistribution of moisture. (In Russian.) Vsesoîuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:63-75. 1951. 59.9 M85

18740 PARRA ARCE, J. La industria arrocera. Agr. Trop. 8(8):57-58. Aug.1952. 26 Ag8
Colombia.

18741 PENNY, N. M., and HARRINGTON, B. J. Corn meal milling in Georgia. Ga. Agr. Expt. Sta. B. 272,39 p. Nov.1951. 100 G29S

18742 PEREIRA, A. A paper chromatography method for quantitative determination of cystine in wheat gliadin hydrolysates. Cereal Chem. 29:478-481. Nov.1952. 59.8 C33

18743 PERESECHNYĬ, P. P. In regard to the theory of grain treatment with water [in preparation for milling]. (In Russian.) Vsesoĭûzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:151-168. 1951. 59.9 M85

18744 PÌÀTENKO, E. L. Method of determining the presence of carbon dioxide in silos of [grain] elevators. (In Russian.) Vsesoĭûzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Soobshch. i Ref. 3:5-6. 1951. 59.9 M85S

18745 POD''ÎÀPOL'SKAÎÀ, O. P. On grain microflora during its storage. (In Russian.) Vsesoĭûzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:51-62. 1951. 59.9 M85

18746 POZZI-ESCOT, M. E. Técnica para determinar la acidez de harinas afrechos y productos industriales derivados. (Sum.) Rev. Bras. de Quim. (Cien. & Indus.) 33:284,286. May 1952. 385 R322

18747 REFAI, F. Y., and MILLER, B. S. The determination of pantothenic acid in wheat. Cereal Chem. 29: 469-475. Ref. Nov.1952. 59.8 C33

18748 REYES, G. M. The problems confronting our rice industry. Sugar News [Manila] 28(9):442-446. Sept. 1952. 65.8 Su36
Philippines.

18749 RINGWALD, H. La récolte des cereales en 1952. B. Econ. et Social de la Tunisie 69:15-16. Oct. 1952. 280.8 B874
Statistical.

18750 ROTSCH, A. Erfahrungen mit dem sedimentationstest nach Zeleny. Getreide u. Mehl 2:85-87. Aug.1952. 298.8 G332
For determining the baking quality of wheat flour.

18751 RUPPERT, A. Weitere untersuchungsergebnisse von gersten der ernte 1952. Brauwelt 35:801-802. Aug.28,1952. 390.8 B732
Germany.

18752 SCHEUCH, F. Lagern und gesunderhaltung des mehles in mühle und bäckerei. Deut. Müller-Ztg. 50:468-469. Sept.17,1952. 298.8 Su2

18753 SCHULZ, A. Beeinflussung des keimgehaltes von weizen durch wäsche und schälung. Müllerei 5:594-596. Sept.13,1952. 298.8 M91

18754 SCHWEIKER, F. Lohnen sich die letzten prozente? Mühle 89:609-610. Sept.25,1952. 298.8 M89

18755 SILVELA, F. Composición química y biológica del grano de trigo; sus modificaciones por intermedio de agentes naturales y artificiales. Cong. Internaz. Indus. Agr. Relaz. 9(1):579-590. 1952. 388 C765Re

18756 SIMKOVER, H. G., and REED, M. R. A limited survey of insect, rodent, and bird contamination of grain storage facilities in eastern Washington with recommendations for its prevention. Wash. Agr. Expt. Sta. C. 205, 10 p. Oct.1952. 100 W27S

18757 SOSEDOV, N. I., SHVETSOVA, V. A., and VAKAR, A. B. Change in wheat quality during self-heating. (In Russian.) Vsesoĭûzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Soobshch. i Ref. 3:1-4. Ref. 1951. 59.9 M85S

18758 SOSEDOV, N. I., and others. Methods of speeding up the postharvest ripening of wheat. (In Russian.) Vsesoĭûzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:3-18. Ref. 1951. 59.9 M85
A. B. Vakar, V. A. Shvetsova, and L. S. Teumin, joint authors.

18759 SOSEDOV, N. I., POD''ÎÀPOL'SKAÎÀ, O. P., and DROZDOVA, Z. B. Removing the musty odor from proso millet and millet. (In Russian.) Vsesoĭûzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 22:116-129. 1951. 59.9 M85
Effect of chemical treatment on molds.

18760 SWAEBLY, M. A., and CHRISTENSEN, C. M. Microbiological content of grain dust. (Abs.) Phytopathology 42:476. Sept.1952. 464.8 P56

18761 TANAKA, K., and others. Experiments on yield forcasting of rice crop. (In Japanese.) Kyushu Noji Shikenjo 9:35-36. Mar.1952. 107.6 K996
H. Munehiro, S. Yahiro., and M. Mori, joint authors.

18762 TARCHETTI, A. Technical progress in drying. (In Italian.) Riso 1(8):26. Sept.1952. 59.8 R49

18763 TEKELI, S. T., and KOSKER, O. Recherches microbiologiques sur le contenus des aminoacides dans les blés turcs. (In English.) Cong. Internaz. Indus. Agr. Relaz. 9(1):615-624. 1952. 388 C765Re

18764 TIMM, E. Die qualität der brotgetreideernte 1952. Deut. Müller-Ztg. 50:472-474. Sept.17,1952. 298.8 Su2
Wheat and rye.

18765 TUITE, J., and CHRISTENSEN, C. M. Fungi important in storage of barley. (Abs.) Phytopathology 42:476. Sept.1952. 464.8 P56

18766 U. S. DEPT. OF AGRICULTURE. Grain is food; keep it clean! Washington,1952. poster. 1.8 Ag81G

18767 U. S. EXTENSION SERV. Making a grain marketing program effective. Preliminary, by W. B. Combs. Washington,1952. 22 p. 1.913 A5M28

18768 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Minutes of the Rice seminar, June 3, 1952. Washington,1952. 31 p. 1.943 M66
The world rice situation and rice marketing problems.

18769 U. S. PRODUCTION AND MARKETING ADMIN. Got a place to put it? Washington,1952. poster. 1.8 P94G
Grain storage.

18770 VAN SUMERE, C., and MASSART, L. Eine hemizelluiase der gerste und des malzes. (Sum.) Brauwelt 39:931. Sept.25,1952. 390.8 B732

18771 WEIDRINGER. Ein "ehemaliger" als anerkannter forscher. Ehemalige 8:29. Aug.2,1952. 18 Eh2
Research in milling products by Dr. F. Grandel.

18772 WHITNEY, R. C. Artificial grain drying in Nebraska. Nebr. U. Col. Business Admin. Business Res. B. 55,80 p. Sept.1952. 280.9 N27

18773 WILHELM, A. Wie kann die roggenmehlqualität und die farbe verbessert werden? Müllerei 5: 621-622. Sept.27,1952. 298.8 M91

18774 WINBURN, T. F. Responsibilities under the grain sanitation program. Nowest. Miller (Milling Prod. Sec.) 248(24):3a-8a. Dec.9,1952. 298.8 N81

18775 WOLF, D. C. Warning; the Food and Drug authorities find the grain cleanup they began at the mills, then at elevators, is headed right back to the source in storage on farms. Country Gent. 122(11):32,73. Nov.1952. 6 C833

HONEY AND BEESWAX

18776 BERNER, U. Die auswertung der pollenanalyse. Arch. f. Bienenk. 29:33-38. 1952. 424.8 Ar2

18777 BLANCHARD, G. L'emballage et le conditionnement du miel. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:136-137. Sept.1952. 424.9 Sy7

18778 BRIDLE, A. C. Honey Marketing Committee. New Zeal. Beekeeper 14(3):21-29. Aug.1952. 424.8 N483

18779 CARTER, A. F. Background facts on honey. Washington,U. S. Ext. Serv.,1952. 2 p. 1.913 F4B12

18780 GOUGET, C. W., and others. Market round-up. Amer. Bee J. 92:498-511,529-530. Dec.1952. 424.8 Am3

18781 HANI, J. Schweizerhonig - auslandhonig. Schweiz. Bienen-Ztg. 75:428-429. Oct.1952. 424.8 Sch9

18782 LUTZNER, H. Der imker - die werbemittel - der honigkunde. Deut. Bienenwirt. 3:197-198. Oct.1952. 424.8 D489

18783 MACWHIRTER, G. T. Honey for jam. Bee Craft 34:177-178. Nov.1952. 424.8 B3925
Price in Great Britain.

18784 MAURIZIO, A. Woher stammen die im honig enthaltenen pflanzlichen bestandteile. Arch. f. Bienenk. 29:1-11. Ref. 1952. 424.8 Ar2
English summary.

18785 MEDICI, M. Determinación del origen floral de la miel. Mundo Agr. 4(40):46-47. Sept.1952. 9 M92
Pollen analysis.

18786 MEYER, H. Werbung führt zum erfolg. Deut. Bienenwirt. 3:228-229. Nov.1952. 424.8 D489

18787 MORSE, G. D. Bees are as interesting as ever. Gleanings Bee Cult. 80:713-714. Dec.1952. 424.8 G47
Honey marketing.

18788 SCHEIM, H. "Garantiert naturreiner blütenschleuderhonig" importhonig in juristischer beurteilung. Nordwestdeut. Imkerztg. 4:341. Oct.1952. 424.8 N753

18789 SELIG, H. Etwas über den honigpreis. Hess. Biene 88:173-174. Oct.1952. 424.8 B476

18790 STRATTON, C. L. Ideas on promoting honey. Mod. Beekeeping 36:344-345. Oct.15,1952. 424.8 B397

18791 TONTZ, C. Retail your honey for higher profits. Mod. Beekeeping 36:329-333,354. Oct.15,1952. 424.8 B397

18792 WENIG, A. Die förderung des honigabsatzes auf genossenschaftlichem wege. Hess. Biene 88:174-176. Oct.1952. 424.8 B476

18793 WHITE, J. W., JR., RICCIUTI, C., and MAHER, J. Determination of dextrose and levulose in honey. Assoc. Off. Agr. Chem. J. 35:859-872. Ref. Nov.15,1952. 381 As7

LIVESTOCK AND LIVESTOCK PRODUCTS

18794 ALBAUGH, R. West Coast wool—intricacies of California sheep industry. West. Livestock J. 30(58):76-78,85,87,89,91. Oct.15,1952. 6 F2278

18795 BODDY, H. Beef invades [Willamette] Valley. West. Livestock J. 30(58):148,151,153,155,157,159. Oct. 15,1952. 6 F2278

18796 BRIGGS, H. M. Let's take a peek at the meat business. Sheepman 23:279. Dec.1952. 45.8 Sh32

18797 DAVIS, F. E., and DIETZ, G. J. Beef cattle industry in northern Mexico and probable exports to the United States. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 69,23 p. Aug.1952. 1.943 F763

18798 DREW, E. L. Domestic rawstock supply outlook. Leather & Shoes 124(18):26,76. Nov.1,1952. 303.8 H53

18799 FEUNTEUN, L. M. L'élevage en Afrique Occidentale Française. Soc. Belge d'Etudes et d'Expansion. B. 51:568-571. Aug./Oct.1952. 280.8 So17

18800 FUR AGE WEEKLY. Classified fur source directory, 1952. New York,Fur Vogue Pub. Co.,1952. 336 p. 225 F964

18801 GIBERTI, H. The National Meat Institute (Law No. 14,155). Rev. River Plate 112(3126):21-23,37-39. Oct.21,1952. 286.8 R32
Argentina.

18802 HENNING, G. F., and EVANS, M. B. The feeder cattle situation in southeastern Ohio. Ohio. State U. Dept. Agr. Econ. & Rur. Sociol. Mimeog. B. 237, 27 p. Nov.1952. 281.9 Oh32

18803 KELLOGG, C. E. How many rabbit raisers are there in the United States? Amer. Small Stock Farmer 37:4. Oct.1952. 48.8 J82
Also in Jersey Rabbit J., Oct.1952:6-7. 40.28 J48

18804 KINCANNON, J. A., and MCNEELY, J. G. An economic appraisal of the Texas hog industry. Tex. Agr. Expt. Sta. B. 749,50 p. June 1952. 100 T31S

18805 KLEBERG, R. J. More people less beef! (Excerpts.) Shorthorn World 37(17):48,72. Nov.25,1952. 43.8 Sh8

18806 KOCH, A. Die bedeutung der kleintierzucht. Deut. Kleintier-Züchter Ausg. Kaninchen 7(17):5-6. (Concl.) Sept.5,1952. 40.28 D48

18807 LADRAT, J. La production de la viande en France. Zootechnia 1(3):28-36. May/June 1952. 41.8 Z73
English summary.

18808 LÓPEZ ARIAS, A. Nuestra explotación ovina. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:179-184. 1951/52. 9 Ag874

18809 LOS ANGELES COUNTY. LIVESTOCK DEPT. Report 1951-1952. Los Angeles,1952. 56 p. 49.9 L89

18810 MCCULLOUGH, W. B. National Meat Institute set up. Foreign Trade 12(307):4-5. Nov.15,1952. 286.8 C162
Instituto Nacional de Carnes created under the jurisdiction of the Argentine Ministry of Agriculture.

18811 MACEWAN, G. Clouds in the cattleman's sky. Canad. Cattlemen 15(1Ø):10-11,38. Oct.1952. 49 C16
Canadian meat production situation.

18812 MACGREGOR, H. D., and EZCURRA, J. C. La crianza extensiva de bovinos en Tierra del Fuego; sus limitaciones económicas frente a la explotación lanar. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:335-341. 1951/52. 9 Ag874

18813 MIHIÈRE. L'élevage porcin dans les B.-du-Rh. Bouches du Rhône Agr. 24(1084):1,10. Oct.15,1952. 14 B662
Situation.

18814 MINNOCH, J. K. The hide situation. Leather Mfr. 63(10):17-18. Oct.1952. 303.8 L484

18815 NEUPOKOEV, I. V. Achievements of collective farms of Soviet Moldavia in the development of public livestock. (In Russian.) Sotsialist. Zhivotnovod. 14(5):7-14. May 1952. 49 So71
Three-Year Plan.

18816 RANDALL, C. G. What about Southern feeder cattle? Successful Farming 50(11):35,74,76,78-79. Nov. 1952. 6 Su12
The beef cattle industry.

18817 REEVES, F. The cattle feeding situation. Cattleman 39(6):66,68,70,76. Nov.1952. 49 C29

18818 RICE, E. B. Observations on dairying in Pakistan. Queensland Agr. J. 75:142-154. (Cont.) Sept. 1952. 23 Q33

18819 STEPHENS, J. W. Feeders choice opportunity. Cattleman 39(7):24-25,66,68,70. Dec.1952. 49 C29

18820 TURK, K. L. Outlook for feed supplies and livestock production. Dairymen's League News 36(24):6-7. Nov.25,1952. 44.8 D1432

18821 WILK, E. How Denmark has been able to develop swine raising. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(97):9-10. Nov.18,1952. 281.8 Ag3

18822 YARWOOD, P. C. Leather industry in Yugoslavia today. Leather Mfr. 106(3469):19-20. Oct.1,1952. 303.8 L48

18823 YOUNG, H. J. La industria porcina. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:157-160. 1951/52. 9 Ag874

18824 ZAL'TSMAN, L. M. Problems in organizing animal industry in the newly irrigated and supplied with water districts in the Caspian area. (In Russian.) Sovet. Zootekh. 7(7):3-15. July 1952. 49 So822

Analysis and Composition

18825 CHEVALLIER, A., and others. Sur le taux des acides gras à cinq doubles liaisons et ses variations dans différentes graisses animales. Soc. de Biol. Compt. Rend. 146:1133-1135. July 1952. 442.9 P21
S. Manuel, C. Burg, and R. Wagner, joint authors.

18826 CORTI, G. The identification of proteolytic germ for the bacteriologic examination of meat. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:237-242. 1951. 41.9 So17
English summary.

18827 DOBELLI, T. Further research on the pH of horse and beef meat. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:243-247. Ref. 1951. 41.9 So17
English summary.

18828 FAGAN, V. J. The Smithfield system of baconer carcase appraisal. Tasmania. Dept. Agr. B. (n.s.)30,13 p. Dec.1951. 23 T182

18829 GIANELLI, F. Artioli method studies using long-cooked, edible meats. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:231-233. 1951. 41.9 So17
English summary.

18830 HARTMAN, L., and WHITE, M. D. L. Stability of edible tallow from mutton and beef. I. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:99-105. Ref. Sept. 1952. 514 N48B

18831 KANAGY, J. R., and others. Variations of physical and chemical properties within and between vegetable retanned cow and steer sides. Amer. Leather Chem. Assoc. J. 47:726-748. Nov.1952. 303.9 Am32
E. B. Randall, T. J. Carter, R. A. Kinmonth, and C. W. Mann, joint authors.

18832 MARCATO, A. Possibility of identifying the meat of dead animals in sausage trimming. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:228-230. 1951. 41.9 So17
English summary.

18833 MORRIS, S. G., and others. Fractionation of animal fat glycerides by crystallization from acetone; an improved lard oil. Amer. Oil Chem. Soc. J. 29:441-443. Nov.1952. 307.8 J82
C. F. Gordon, N. Brenner, J. S. Meyers, Jr., R. W. Riemenschneider, and W. C. Ault, joint authors.

18834 ROSE, D., and GRANT, G. A. Estimation of salt content of Wiltshire bacon by electrical resistance measurements. Canad. J. Technol. 30:352-353. Dec. 1952. 470 C16F

18835 SCHLOSSMACHER, W. Über den tuberkelbakteriengehalt der fleischoberfläche nach dem ausziehen des brust- und bauchfells. Giessen,1951. 30 p. 448.2 Sch33
Inaug.-Diss.—Giessen.

18836 SIZER, I. W. Collagen purity as measured by ultraviolet spectrophotometry. Amer. Leather Chem. Assoc. J. 47:634-642. Oct.1952. 303.9 Am32

18837 SOLOV'EV, V. I. Biochemical processes taking place during ripening of meat. (In Russian.) Miasnaia Indus. SSSR. 23(2):43-49. Mar./Apr.1952. 50.8 M58

18838 TAKASE, A., and others. Some observations during treatment of sausages and hams at the meat processing plant. (In Japanese.) Tokyo. Inst. Pub. Health. B. 1:72-73. Oct.1951. 449.9 T573
M. Nakazima, H. Kawaguchi, and J. Amemiya, joint authors.
English summary, p.32-33.
Bacteria counts.

18839 TARR, H. L. A. Chromatographic separation and microbiological assay of indigenous and added cobalamins in crude animal protein materials. Canad. J. Technol. 30:265-279. Ref. Oct./Nov.1952. 470 C16F

18840 WEIR, C. E. Resistivity, dielectric constant and power factor of leather. Amer. Leather Chem. Assoc. J. 47:711-726. Ref. Nov.1952. 303.9 Am32

Consumption and Utilization

18841 STRONG, L. Keen on lean; hard on lard. Mktg. Activ. 15(9):12-13. Sept.1952. 1.942 A8M34
Consumer preferences for pork and grades for market hogs.

Distribution, Marketing, and Transportation

18842 BOYER, C. M. Co-operative marketing. Amer. Rabbit J. 22:173-174. Nov.1952. 40.28 Am3

18843 BRETAUD, M. La situation du marché du porc et les importations. Porc 23(9):23-25. Oct.1952. 46.8 P822
France.

18844 CONWAY, H. M. Early & premature marketing reducing winter meat supply. Natl. Live Stock Prod. 31(2):4. Dec.1952. 280.38 N21

18845 DAILEY, E. Marketing livestock for more profit. S. Dak. State Col. Agr. Ext. L. 143,6 p.-folder. June 1952. 275.29 Sa85E

18846 FARMERS' UNION. WORKING PARTY. Marketing fat stock; suggested marketing scheme when Government purchase ends. Farmers' J. (n.s.)4:6-9. Nov.1952. 10 F2234
In the United Kingdom.

18847 FARSTAD, E., and BRENSIKE, V. J. Costs of retailing meats in relation to volume. U. S. D. A. Mktg. Res. Rpt. 24,25 p. Aug.1952. 1 Ag84Mr

18848 GIFFORD, C. W. Livestock auctions—too many are gyp joints. Farm J. 76(12):30-31,110-111. Dec.1952. 6 F2212

18849 HARDY, C. E. Co-op helps Indian boys grow into cattlemen. News Farmer Coop. 19(7):14,17. Oct. 1952. 166.2 N47
The Indian Cattlemen's Association.

18850 HARSTON, C. R., and VOORHIES, E. C. Trade in western livestock at auctions. 2. Analysis of livestock marketings. Wash. Agr. Expt. Sta. B. 537,112 p. June 1952. 100 W27E

18851 HEDLIN, R. Risky business. Country Guide 71(7):10,56. July 1952. 7 G76
Livestock marketing in western Canada.

18852 LINON, G., and PUGET, E. Sur un jugement relatif à la vente d'un mulet, reconnu atteint d'accrochement rotulien bilatéral. Rev. de Méd. Vét. [Toulouse] 103:272-278. May 1952. 41.8 R32

18853 LIVESTOCK CONSERVATION. Annual report, 1950-51. Chicago,1951. 24 p. 280.3409 L75
Marketing.

18854 RICHARDS, L. M. Research is key to open new markets for tallow. Natl. Provisioner 127(22):13,15. Nov.29,1952. 286.85 N21

18855 ZEUCH, F. E. Trends or traditions in meat merchandising. (Excerpts.) Butchers' Advocate 132(20): 12-14,18. Nov.12,1952. 286.85 B97

Grading, Inspection, Standardization, and Quality

18856 ALBAUGH, R. Don't guess—weigh' em! West. Livestock J. 30(58):54,146. Oct.15,1952. 6 F2278
Weighing livestock and types of scales.

18857 ARTIOLI, D. A case of food poisoning from Staphylococcus in a Bologna sausage. (In Italian.) Arch. Vet. Ital. 3:311-315. Aug.31,1952. 41.8 Ar25
English summary.
Micrococcus pyogenes aureus.

18858 ARTIUKH, I. A., and OSTASHEVSKII, A. G. On toxins of Salmonella cholerae suis (B. suipestifer) in swine meat. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:69-83. Ref. 1951. 41.9 K522

18859 CHAIN STORE AGE. 1952 meat manual. Chain Store Age 28(11):87-150. Nov.1952. 286.28 C34
Meat cuts and grades.

18860 CLEAL, H. L. What new hog grades mean to you. Natl. Live Stock Prod. 31(2):6,17. Dec.1952. 280.38 N21

18861 DRAANEN, J. H. VAN. The inspection official as detective. (In Dutch.) Tijdschr. v. Diergeneesk. 77: 840-859. Nov.15,1952. 41.8 T431
Meat inspection.

18862 LOGUE, A. M. A review of meat inspection practice in Northern Ireland. Roy. Sanit. Inst. J. 72:683-692. Nov.1952. 449.9 R812
Includes discussion.

18863 OCHKIN, V. Causes for spoilage of canned meat and their elimination. (In Russian.) Miasnaia Indus. SSSR. 23(2):14-18. Mar./Apr.1952. 50.8 M58

18864 SANDFORD, J. C. A shocking national waste! Valuable rabbit pelts ruined by bad handling. Fur & Feath Feather 115:763. Nov.20,1952. 49 F96

18865 SPLENDIANI, F. Food poisoning caused by Bacterium coli probably of intra-vitam origin. (In Italian.) Soc. Ital. delle Sci. Vet. Atti. 5:256-259. Ref. 1951. 41.9 So17
English summary.
Meat from a diseased calf.

18866 STEIN, E. Ein vorschlag zur änderung der hackfleischverordnung vom 24.7. 36. Lebensmitteltierarzt 3:85-86. Sept.1952. 41.8 L49
Germany.

18867 U. S. FEDERAL TRADE COMMISSION. Fur products name guide under the Fur Products Labeling Act. Washington,1952. 6 p. 173 F32Fu

18868 U. S. PRODUCTION AND MARKETING ADMIN. How do your hogs grade? Washington,1952. 2 p. 1.956 L75H83

18869 WIMMER, F. X. Der §399 des strafgesetzes: fleischverkauf von einem nicht nach vorschrift beschauten viehe; strafe. Wien. Tierärztl. Monatsschr. 39:630-637. (Cont.) Oct.1952. 41.8 T345

18870 WIMMER, F. X. Der §399 des strafgesetzes: fleischverkauf von einem nicht nach vorschrift beschauten viehe; strafe. Wien. Tierärztl. Monatsschr. 39:692-699. (Cont.) Nov.1952. 41.8 T345

18871 WOLGAMOT, I. H. Beef, facts for consumer education. U. S. D. A. Agr. Inform. B. 84,21 p. Ref. Sept.1952. 1 Ag84Ab
Includes quality characteristics and processing.

18872 WYOMING. LIVE STOCK AND SANITARY BOARD. Tenth biennial report for the period October 1, 1950 to October 1, 1952. Cheyenne,1952. 34 p. 41.9 W992

Packing and Packaging

18873 PREPACKAGING is fanning out. Food Engin. 24(12):112-114. Dec.1952. 389.8 F737
Meat products.

Prices, Price Control, and Rationing

18874 ALBERTARIO, P. Meat prices. (In Italian.) Gior. di Agr. 62:340. Nov.9,1952. 16 It1G
Italy.

18875 DAILEY, E. Seasonal patterns of livestock prices. S. Dak. State Col. Agr. Ext. L. 145,6 p.-folder. June 1952. 275.29 Sa85E

18876 OLSON, R. E., and DOWELL, A. A. Pricing hogs on foot and on the rail. Minn. Farm & Home Sci. [Minn. Sta.] 10:8-9. Oct.1952. 100 M668

Processing and Storage

18877 ADAMS, A. T., and others. Effect of subtilin on spoilage of thermal processed beef. Food Technol. 6:421-424. Ref. Nov.1952. 389.8 F7398
J. C. Ayres, R. G. Tischer, and B. Ostle, joint authors.

18878 ARTIUKH, I. A. Autolysis of frozen meat during long storage in a refrigerator. (In Russian.) Ukrain. Inst. Eksper. Vet. Nauch. Trudy 18:270-277. Ref. 1951. 41.9 K522

18879 ASHBROOK, F., and KELLOGG, C. E. Preparation of rabbit products. Amer. Rabbit J. 22:170-171. Nov.1952. 40.28 Am3

18880 BERTUCCIO, J. F. Conveyors supplant hands from drum to feed mill. Natl. Provisioner 127(22): 22,28. Nov.29,1952. 286.85 N21
Livestock products.

18881 BOWNESS, E. R. Removing those mink pelts. Fur Trade J. Canada 30(3):10-11,24-25. Nov.1952. 410 F965

18882 BOYLE, J. L. Lanolin manufacture. Mfg. Chem. 23:460-463. Nov.1952. 396.8 M31

18883 CECIL, S. R. Good curing and storage practices yield high quality bacon. Res. News [Ga. Sta.] 3(8): 3. Oct.1952. 100 G29R

18884 CHEN, P. S. Syntans and newer tanning methods. Leather Mfr. 63(10):15-16. (Concl.) Oct. 1952. 303.8 L484

18885 DAWSON, W. O. Technical advances in tanning. Leather & Shoes 124(18):35,78. Nov.1,1952. 303.8 H53

18886 DEBEUKELAER, F. L. Progress report: hide research; moving toward the goal; lower cost of converting hides into leather. Leather & Shoes 124(18):32, 77. Nov.1,1952. 303.8 H53

18887 DES FONTAINES, Y. Evolution de la tannerie en Tunisie depuis la guerre. B. Écon. et Social de la Tunisie 69:31-37. Oct.1952. 280.8 B874

18888 FREEZE and cure; pork from the freezer can be turned into ham and bacon in jig time. Farm Q. 7(4):81-83. Winter 1952. 6 F22995

18889 GAUTHIER, J. P. La megisserie française est-elle en peril? Mouton 7:97-98. Oct.1952. 45.8 M86

18890 GNAMM, H. Die fettstoffe des gerbers; ein fachbuch für das gebiet der lederfette, lederfettung und lederimprägnierung. Ed. 2, fully rev. Stuttgart,Wissenschaftliche Verlagsgesellschaft,1951. 248 p. 307 G53

18891 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. The work of the British Leather Manufacturers' Research Association for the leather industry; the report of a Survey Panel. Milton Park, Egham, Surrey, 1951. 61 p. 303.9 B772

18892 GUSTAVSON, K. H. The neutral salt effect in chrome tanning. Soc. Leather Trades' Chem. J. 36: 284-291. Ref. Sept.1952. 303.9 So12

18893 HACKER, G. Klebstoffe der lederverarbeitenden industrie. Garmisch-Partenkirchen,Moser,1951. 22 p. Ref. (Fachliteratur- Ermittlungs- und Berichtsdienst für Industrie und Forschung. Archiv 831) 309 H113

18894 HACKER, G. Vorbehandlung des rohmaterials bei der haut- und lederleim-herstellung. Garmisch-Partenkirchen,Moser,1951. 17 p. (Fachliteratur-Ermittlungs- und Berichtdienst für Industrie und Forschung. Archiv 779) 309 H113V

18895 HANHAR, C. Frigorffico cooperativo "Los Andes." Hacienda 47(11):46-47. Nov.1952. 6 H11
In Bolivia.

18896 LOLLAR, R. M. Quality control for the leather industry. Leather Mfr. 63(10):9-10,12,14. Oct. 1952. 303.8 L484

18897 MARTINI, I. Fundamental technical and sanitary aspects of the sausages and processed meats. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1133-1148. Ref. 1952. 388 C765Re
English summary.

18898 OEHLER, R., DAHL, S., and KILDUFF, T. J. Treatment of leather with polyisobutylene. Amer. Leather Chem. Assoc. J. 47:642-660. Ref. Oct.1952. 303.9 Am32

18899 PARKER, S. Preservation of smoked meats. Refrig. Engin. 60:1177-1178. Nov.1952. 295.9 Am32J

18900 SARKAR, P. K. Chemistry of chrome tanning. Leather Mfr. 63(10):7-8. Oct.1952. 303.8 L484

18901 SARKAR, P. K. An investigation into the indigenous tanning materials of India. Tanner 7(4):15-17. (Cont.) Sept.1952. 303.8 T15

18902 SARKAR, P. K. An investigation into the indigenous tanning materials of India. Tanner 7(5):15-18. (Concl.) Oct.1952. 303.8 T15

18903 SENS, H., and ACKERMANN, O. A. Wann kann eingefrorene rohwurst (mettwurst) noch in andere wurst verarbeitet werden? Lebensmitteltierarzt 3:84-85. Sept. 1952. 41.8 L49

18904 SHAW, R. Modern leather finishing. Leather & Shoes 124(18):39,79-81. Nov.1,1952. 303.8 H53

18905 SHAW, S. G. The cutting of bacon under the rationing scheme; up-to-date pricing method. Grocer 173(4735):30. Dec.6,1952. 286.83 G895
Great Britain.

18906 SHUTTLEWORTH, S. G. Note on the theory of chrome tannage. Soc. Leather Trades' Chem. J. 36: 292-293. Sept.1952. 303.9 So12

18907 SOMERVILLE, I. C., and WENDKOS, J. Zirconium tannage. VI. Amer. Leather Chem. Assoc. J. 47:687-700. Nov.1952. 303.9 Am32

18908 U. S. PRODUCTION AND MARKETING ADMIN. List of packers subject to provisions of Packers and Stockyards Act January 1, 1951. Washington,1951. 40 p. 1.956 A2L69

18909 VARGAS GUILLEMETTE, A. La reestructuración del frigorffico nacional. Uruguay. Min. de Ganad. y Agr. B. Inform. 427:5-8. Aug.7,1952. 9.9 G15B

18910 WIGHTMAN, G. What are today's tanning costs? Leather & Shoes 124(20):8,39. Nov.15,1952. 303.8 H53

18911 WINTER, J. D. Changes that occur in meat during freezing and storage. Quick Frozen Foods 15(4): 170-171. Ref. Nov.1952. 389.8 Q4

Statistics

18912 AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Sheep distribution in New South Wales, 1936-37 and 1946-47. Canberra,1952. 27 p. 45 Au78S

18913 GT. BRIT. COMMONWEALTH ECONOMIC COMMITTEE. INTELLIGENCE BR. Meat, a summary. London,1952. 99 p. 280.39 G794C
Statistics.

18914 SCHOLZ, Zahlenmässige entwicklung der rindviehbestände. Übersicht 3(7):39-40. July 1952. 18 Ub3
Germany.

18915 ZÓPHONÍASSON, P. Number of sheep and meat production. (In Icelandic.) Freyr 47:323-325. Oct.1952. 11 F89

OILS AND OILSEEDS

18916 ALEKSANDROV, E. A. Introduction of a new technology for processing high quality drying oil from castor oil. (In Russian.) Masl.-Zhir. Promysh. 17(9): 20-23. Sept.1952. 307.8 M37

18917 ALEXANDER, J. C., and HILL, D. C. The effect of heat on the lysine and methionine in sunflower seed oil meal. J. Nutr. 48:149-159. Ref. Oct.10,1952. 389.8 J82

18918 AMERICAN OIL CHEMISTS' SOCIETY. SEED AND MEAL ANALYSIS COMMITTEE. Report 1951-1952. Amer. Oil Chem. Soc. J. 29:604-611. Dec.1952. 307.8 J82

18919 BALTES, J. Polarographische untersuchungen auf dem fettgebiet. (Sum.) Fette u. Seifen 54:616. Oct.1952. 384 C422

18920 BARTLING, F. W. Refining corn oil. Amer. Miller & Processor 80(10):22-24. Oct.1952. 298.8 Am32

18921 BENSON, H. J. OPS harnesses oil meal mixes. East. Feed Merchant 3(11):66-67. Nov.1952. 389.78 Ea7

18922 BERTRAM, S. H., and WYNIA, G. M. A simple method for the improvement of the keeping quality of oils and fats. Amer. Oil Chem. Soc. J. 29:629-631. Dec.1952. 307.8 J82

18923 BICKOFF, E. M., and others. Comparative evaluation of antioxidants for carotene. Amer. Oil Chem. Soc. J. 29:445-446. Nov.1952. 307.8 J82
A. L. Livingston, J. Guggolz, and C. R. Thompson, joint authors.

18924 BIDAN, P., and ANDRE, L. Les fermentations dans les saumures d'olives vertes de table, françaises et espagnoles. Cong. Internaz. Indus. Agr. Relaz. 9(1): 1205-1212. 1952. 388 C765Re
English summary.

18925 BLAIZOT, P. Obtention d'une huile de palme exceptionnellement riche en carotène. Cong. Internaz. Indus. Agr. Relaz. 9(2):1045-1050. 1952. 388 C765Re
English summary.

18926 BOGUSLAWSKI, E. VON. Neue untersuchungen über den sommerölpflanzen-anbau. (Sum.) Fette u. Seifen 54:618. Oct.1952. 384 C422
Policy.

18927 BOLLEY, D. S., and MCCORMACK, R. H. Separation of phytin from oil seed protein flours. Amer. Oil Chem. Soc. J. 29:470-472. Nov.1952. 307.8 J82

18928 BOTTINI, O. Complete processing of olives at combined pressing and solvent extraction plants. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):1061-1072. 1952. 388 C765Re
English summary.

18929 BOUCHER, R. E., and SKAU, E. L. Phase relations in the solvent winterization of cottonseed oil in 85-15 acetone-hexane mixture at reduced holding-times. Amer. Oil Chem. Soc. J. 29:455-456. Nov.1952. 307.8 J82

18930 BURKE, H. Neuzeitliche margarine-herstellung. (Sum.) Fette u. Seifen 54:629. Oct.1952. 384 C422

18931 BURNET, G., JR., and ARNOLD, L. K. Effect of heat on solvent-extracted soybean oil meal. Amer. Oil Chem. Soc. J. 29:619-624. Ref. Dec.1952. 307.8 J82

18932 CANNON, J. A., and others. Analysis of fat acid oxidation products by countercurrent distribution methods. IV. Methyl linoleate. Amer. Oil Chem. Soc. J. 29:447-452. Ref. Nov.1952. 307.8 J82
K. T. Zilch, S. C. Burket, and H. J. Dutton, joint authors

18933 CARRANTE, V. Experiments in olive oil extraction with various systems and utilization of the waste with solvents. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):179-182. 1952. 388 C765Re

18934 CASAS, R. Como preparar las aceitunas verdes. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:193-194. 1951/52. 9 Ag874

18935 CHOQUETTE, C. Une nouvelle culture est lancée dans Québec. B. des Agr. 34(10):11,73-75. Oct.1952. 7 B872
Flax culture for seed.

18936 CINQUINA, G. Plant for the solvent extraction of oil from olive waste and other agricultural byproducts not previously dried, able to be located near the oil press. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):1035-1044. 1952. 388 C765Re
English summary.

18937 CLARDY, L., POHLE, W. D., and MEHLENBACHER, V. C. A shortening consistometer. Amer. Oil Chem. Soc. J. 29:591-593. Dec.1952. 307.8 J82

18938 CLARK, S. P., and WAMBLE, A. C. Solvent extraction of oil from cottonseed prior to the removal of linters and treatment of the residue to effect separation of meal, hulls, and linters. Amer. Oil Chem. Soc. J. 29:624-626. Dec.1952. 307.8 J82

18939 CLEVER, H. Prüf- und kontrollmethoden in der fettindustrie mit hilfe der dielektrizitätskonstante. (Sum.) Fette u. Seifen 54:628. Oct.1952. 384 C422

18940 CUTTING, C. V. The effect of free fatty acid on the technological properties of tung oil. J. Sci. Food & Agr. 3:510-514. Nov.1952. 382 So12

18941 CUTTING, C. V. The requirements for efficient expression of tung oil: relationship to harvesting conditions. J. Sci. Food & Agr. 3:505-510. Nov.1952. 382 So12

18942 DECK, E. M. Working with vegetable oils. Ice Cream Field 60(6):62-64. Dec.1952. 389.8 Ic23

18943 DEUTSCHE GESELLSCHAFT FUR FETTWISSENSCHAFT. Vortragstagung 1952. Fette u. Seifen 54:609-632. Oct.1952. 384 C422

18944 DEVEY, J. D. The role of aluminium in the storage of orange oil. Soap, Perfumery & Cosmetics 25:1156-1157. Nov.1952. 307.8 So13

18945 DUNNING, J. W., and KEAHEY, H. P. High capacity expeller operations. Amer. Oil Chem. Soc. J. 29:627-628. Dec.1952. 307.8 J82

18946 EASTON, N. R., and MOLER, E. S., JR. Cacao butter bloom. Internatl. Confectioner 62(11):16-17. Oct.1952. 389.8 In214

18947 FANIEV, G. G. Some problems in refining [vegetable] oils for food. (In Russian.) Masl.-Zhir. Promysh. 17(9):7-9. Sept.1952. 307.8 M37

18948 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Fats and oils. Food & Agr. Organ. United Nations. Commod. Rpt. Fats & Oils 4, 35 p. Oct.1952. 281.3779 F73

18949 FREZZOTTI, G. Technique of olive oil extraction without pressure and solvents. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):1015-1026. 1952. 388 C765Re
English summary.

18950 GASTROCK, E. A. Solvent operations. Oil Mill Gaz. 57(3):31-33. Sept.1952. 307.8 Oil53
Includes discussion.

18951 GIBBONS, J. P., and JANKE, R. A. Methyl alpha-D-glucoside drying oils. Amer. Oil Chem. Soc. J. 29:467-469. Nov.1952. 307.8 J82

18952 GINKEL, J. G. VAN. Analyse industrielle des mélanges de corps gras, à l'aide de diagrammes. Cong. Internaz. Indus. Agr. Relaz. 9(1):969-986. 1952. 388 C765Re

18953 GOODMAN, A. H., and BLOCK, Z. Problems encountered in the commercial utilization of frying fats. Amer. Oil Chem. Soc. J. 29:616-619. Ref. Dec.1952. 307.8 J82

18954 GORBACH, G. Spurenelemente und fettveränderung. (Sum.) Fette u. Seifen 54:619. Oct.1952. 384 C422

18955 HAHN, R. Die lebensmittel-gesetzgebung auf dem gebiet der nahrungsfette. VIII. Fette u. Seifen 54:666-668. Oct.1952. 384 C422
Germany.

18956 HAMMOND, W. E. Marketing outlook for some minor oilseed crops in Nebraska. Nebr. Agr. Expt. Sta. B. 409,29 p. Jan.1952. 100 N27

18957 HARRIS, B. L., and BIALECKE, A. Permeability to water of thin unsupported films of pure drying oils. Amer. Paint J. 37(12):68-69,72,74,76. Dec.8,1952. 306.8 Am32

18958 HEFELE, J. Fünfzig jahre fetthärtung. Chem.-Ztg. 76:769-771. Nov.20,1952. 384 C427
English summary.

18959 HEINZE, K. Anwendung von kälte in der fettindustrie. Fette u. Seifen 54:629. Oct.1952. 384 C422

18960 HERB, S. F., and RIEMENSCHNEIDER, R. W. Influence of alkali concentration and other factors on the conjugation of natural polyunsaturated acids as determined by ultraviolet absorption measurements. Amer. Oil Chem. Soc. J. 29:456-461. Ref. Nov.1952. 307.8 J82

18961 HERMES, A. Landwirtschaft und fettforschung. (Sum.) Fette u. Seifen 54:615. Oct.1952. 384 C422

18962 HESS, P. S., and O'HARE, G. A. Synthetic fatty acid triglycerides and natural drying oils. Indus. & Engin. Chem. 44:2424-2428. Oct.1952. 381 J825

18963 HILDITCH, T. A., and MENDELOWITZ, A. The detection of adulteration in tung oil. Oil & Colour Chem. Assoc. J. 35:555-559. Nov.1952. 306.9 Oi5

18964 IAKUBOV, M. K., and KHRAMUSHINA-PUSHKAR', L. M. Refining black cottonseed oil by chemical bleaching. (In Russian.) Masl.-Zhir. Promysh. 17(7):17-18. July 1952. 307.8 M37

18965 JACINI, G. Current aspects of the oils and fats industry in the United States. (In Italian.) (Sum.) Chim. e l'Indus. 34:159. Mar.1952. 385 G43

18966 JACOBSBERG, B. La chromatographie sur papier dans le domaine des graisses. Rev. des Ferment. et des Indus. Aliment. 7:142-144. Ref. Aug.1952. 390.08 R32

18967 JORDAN, L. A. Drying oils—what price conjugation? Oil & Colour Chem. Assoc. J. 35:577-595. Ref. Dec.1952. 306.9 Oi5

18968 KAWAHARA, F. K., DUTTON, H. J., and COWAN, J. C. Volatile cleavage products of autoxidized methyl linolenate. Amer. Oil Chem. Soc. J. 29:633-635. Ref. Dec.1952. 307.8 J82

18969 KRESTIN, H. Zerkleinerungsmaschinen für die fettverarbeitende industrie. (Sum.) Fette u. Seifen 54:629. Oct.1952. 384 C422

18970 LEE, J. A. Rice bran oil—paying product. Food Engin 24(12):98-99. Dec.1952. 389.8 F737

18971 LIE, J., and SPILLUM, E. Fatty acid composition of hydrogenated linseed oil. Amer. Oil Chem. Soc. J. 29:601-604. Ref. Dec.1952. 307.8 J82

18972 LONCIN, M. Étude de l'altération de l'huile de palme. Rev. des Ferment. et des Indus. Aliment. 7:119-130. (Cont.) Aug.1952. 390.08 R32

18973 LUEDTKE, C. G., and WAMBLE, A. C. Preparation of cottonseed meats for cooking prior to the extraction of the oil. Tex. Engin. Expt. Sta. Res. Rpt. 39,9 p. Nov.1952. 290.9 T31R

18974 LUZ FILHO, F. Cooperative plan for carnauba and babassu. (In Portuguese.) Coop [Bahia] 11 (104/105):11,13. July/Aug.1952. 280.28 C7842
Brazil.

18975 LUZ FILHO, F. Cooperative program for carnauba and babassu. (In Portuguese.) Lavoura 56:46-47. July/Aug.1952. 9.2 L39
Brazil.

18976 MARCUSE, R. Fettverderb-forschung und antioxydantien in USA. (Sum.) Fette u. Seifen 54:620. Oct.1952. 384 C422

18977 MARINUCCI, M. The national plan for olive production. (In Italian.) Gior. di Agr. 62:323-324. Oct.26,1952. 16 It1G
Italy.

18978 METZ, C. B. Cottonseed support program and bleached linters pulp. Cotton Gin & Oil Mill Press 53 (24):12. Nov.22,1952. 304.8 C822

18979 MIKHAILOV, A. R. Investigation of firmness of castorbean capsule [in processing]. (In Russian.) Masl.-Zhir. Promysh. 17(7):6-8. July 1952. 307.8 M37

18980 MILLER, C. E. North Dakota volatile oils. III. Comparative studies on coriander oil. Amer. Pharm. Assoc. J. Sci. Ed. 41:598. Nov.1952. 396.9 Am33J

18981 MUCKERHEIDE, V. J. Fat splitting and distillation. Amer. Oil Chem. Soc. J. 29:490-495. Ref. Nov.1952. 307.8 J82

18982 NAKATA, K. Oil from rice bran. Mon. Survey Econ. Cond. East Bengal 3:2-4. July 1952. 280.9 Ea76

18983 NITTA, K. Studies on the oil and protein contents of soybean seed. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:64-69. Mar.1952. 107.6 H68
English summary.

18984 O'CONNOR, R. T., and others. A study of the spectrophotometric method for polyunsaturated fatty acids in cottonseed oils and a comparison with chemical methods. Amer. Oil Chem. Soc. J. 29:461-466. Ref. Nov.1952. 307.8 J82
M. F. Stansbury, H. G. Damaré, and S. M. Stark, Jr., joint authors.

18985 PAQUOT, C. Le carotène de l'huile de palme, source de vitamine A. Cong. Internaz. Indus. Agr. Relaz. 9(2):1051-1060. 1952. 388 C765Re
English summary.
Extraction.

18986 PERKINS, K. A. Tall oil finds new uses in coatings. Chemurg. Digest 11(11):4-5. Nov.1952. 381 N213Na

18987 PINTO, G. P. Losses in the neutralization of babassu oil. (In Portuguese.) Pará. Inst. Agron. de Norte. B. Téc. 22:35-48. Dec.1950,pub.1951. 9.2 P213B
English summary.

18988 PINTO, G. P. Selection of solvants. (In Portuguese.) Pará. Inst. Agron. de Norte. B. Téc. 22: 3-34. Dec.1950,pub.1951. 9.2 P213B
English summary.
In oil extraction.

18989 PISANI, R. La régularisation du marché tunisien de l'huile d'olive. B. Écon. et Social de la Tunisie 70:26-29. Nov.1952. 280.8 B874

18990 PORTERFIELD, J. G., and OPPEL, F. J., JR. An experimental castor bean huller. Agr. Engin. 33:713-716. Nov.1952. 58.8 Ag83

18991 RAMAKRISHNAN, C. V., and BANERJEE, B. N. Studies on lipolytic molds. Comparative study of lipases obtained from molds grown on oil seeds. Amer. Oil Chem. Soc. J. 29:596-601. Ref. Dec.1952. 307.8 J82

18992 RAVAZZONI, C. Research on lipase. II. On the inactivization of the lipase of castor beans. (In Italian.) Ann. di Chim. 42:590-597. Oct.1952. 385 An7

18993 RENNER, B. Einsatz von plattenapparaten als wärmeaustauscher in der öl- und fettindustrie. (Sum.) Fette u. Seifen 54:629. Oct.1952. 384 C422

18994 RIGAMONTI, R. Drying oils from grapeseed oil. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2): 1073-1084. 1952. 388 C765Re
English summary.

18995 RIGAMONTI, R., and RICCIO, V. Harnstoff-additionsverbindungen auf dem fettgebiet. (Sum.) Fette u. Seifen 54:618. Oct.1952. 384 C422

18996 RUSTON, N. A. Commercial uses of fatty acids. Amer. Oil Chem. Soc. J. 29:495-498. Nov.1952. 307.8 J82

18997 RUTGERS UNIVERSITY. EXTENSION DIV. Lectures of the 1952 short course on soaps and synthetic detergents. Amer. Oil Chem. Soc. J. 29:481-590. Nov. 1952. 307.8 J82
Sponsored by the American Oil Chemists' Society.
Includes papers on oils and fats.

18998 RZHEKHIN, V. P., and CHUDNOVSKAIA, M. A. In regard to determining phosphatides in vegetable oils. (In Russian.) Masl.-Zhir. Promysh. 17(9):24-25. Sept. 1952. 307.8 M37

18999 SCHOENLEBER, L. G., and HURST, W. M. Performance of castor bean hulling plants. Agr. Engin. 33:708-710,712. Nov.1952. 58.8 Ag83

19000 SCHUTTAUF, A. W. Die weltfettlücke ist geschlossen. Milch- Fettwaren- Eierhandel 4:487. Oct.4,1952. 286.85 M59

19001 SEAVELL, A. J., and SLEIGHTHOLME, J. J. Factors affecting heat thickening of linseed oil. Paint, Oil & Chem. Rev. 115(25):92-95. Dec.4,1952. 306.8 P16

19002 SINGH, S. D. Importance of our vegetable oil industry. Oils & Oilseeds J. 5(4):7-8. Oct.1952. 307.8 Oi54
India.

19003 SINGLETON, W. S., and others. Dilatometric investigations of fats. VII. Melting dilation and polymorphism of an alpha and beta tung oil. Amer. Oil Chem. Soc. J. 29:452-454. Nov.1952. 307.8 J82
R. T. O'Connor, M. Murray, and F. C. Pack, joint authors.

19004 SISLEY, J. P. La conservation des corps gras alimentaires. Cong. Internaz. Indus. Agr. Relaz. 9(1):803-818. 1952. 388 C765Re

19005 SMITH, P. I. Cottonseed fatty acids. Amer. Perfumer & Essential Oil Rev. 60:379. Nov.1952. 308.8 Am3

19006 STERLIN, B. IA. Investigation of glyceride composition of hydrogenated [sunflower] oils. (In Russian.) Masl.-Zhir. Promysh. 17(7):9-11. July 1952. 307.8 M37

19007 STIRTON, A. J. Raw materials for soap. Amer. Oil Chem. Soc. J. 29:482-485. Ref. Nov.1952. 307.8 J82

19008 STRATE, J. Let's take a look at the linseed picture. Feed Bag 28(11):28,84-85. Nov.1952. 389.78 F32

19009 SWERN, D., and PARKER, W. E. Application of urea complexes in the purification of fatty acids, esters, and alcohols. II. Oleic and methyl oleate from olive oil. Amer. Oil Chem. Soc. J. 29:614-615. Dec. 1952. 307.8 J82

19010 TANAKA, K. The foundation in the yield investigation of the rape crop. (In Japanese.) Kyushu Noji Shikenjo 9:51-52. Mar.1952. 107.6 K996

19011 TAPPEL, A. L., BOYER, P. D., and LUNDBERG, W. O. The reaction mechanism of soy bean lipoxidase. J. Biol. Chem. 199:267-281. Ref. Nov.1952. 381 J824

19012 TÄUFEL, K. Über den nachweis der oxydationsbereitschaft olefinischer fette. (Sum.) Fette u. Seifen 54:619-620. Oct.1952. 384 C422

19013 TEISER, R. Olives—at 2400 jars per hour. Glass Packer 31:806-807. Dec.1952. 309.8 G463

19014 TEXAS AGRICULTURAL AND MECHANICAL COLLEGE. Report of the oil milling short course. Oil Mill Gaz. 57(3):15-36. Sept.1952. 307.8 Oi53

19015 TEXAS CO. Properties of the principal fats, fatty oils, waxes, fatty acids and their salts, by M. P. Doss. New York,1952. 244 p. 307 T31

19016 THALER, H. Über die bestimmung des phosphor-gehaltes von phosphatidarmen fetten. (Sum.) Fette u. Seifen 54:617. Oct.1952. 384 C422

19017 TOLLENAAR, F. D. Possibilities and limitations of the use of antioxidants in edible oils and fats. Cong. Internaz. Indus. Agr. Relaz. 9(1):819-834. 1952. 388 C765Re

19018 T-SAO, C. M., and POTTS, W. M. The analysis and characterization of the oil from the seed of Citrullus vulgaris. Amer. Oil Chem. Soc. J. 29:444-445. Nov.1952. 307.8 J82

19019 UNIONE INTERREGIONALE DELLE CAMERE DI COMMERCIO DI PUGLIA E LUCANIA. Problemi oleari e vitivinicoli [Olive oil and wine problems]. Bari, Laterza,1952. 52 p. 281.176 Un33

19020 U. S. PRODUCTION AND MARKETING ADMIN. Marketing and processing costs of cottonseed oil mills in the postwar period, 1946-47 to 1950-51, by C. C. Spilsbury. Washington,1952. 61 p. 1.956 F26D63

19021 U. S. PRODUCTION AND MARKETING ADMIN. Marketing study of factors affecting the quantity and value of products obtained from soybeans, by N. Pahigian Washington,1952. 35 p. 1.956 F26M343

19022 VAN HORN, D. L. Production and uses of castor beans. Agr. Engin. 33:711-712. Nov.1952. 58.8 Ag83

19023 VARLAMOV, V. S. Ways of solving the problem of obtaining film-forming substances [drying oils] on a base of cottonseed oil. (In Russian.) Masl.-Zhir. Promysh. 17(9):18-19. Sept.1952. 307.8 M37

19024 VENGEROVA, N. V. Determining the amount of losses during the hydrogenation of sunflower oil. (In Russian.) Masl.-Zhir. Promysh. 17(7):12-14. July 1952. 307.8 M37

19025 WALSH, R. M. Is soybean processing overexpanded? Grain & Feed J. Consolidated 109(9):14-15. Nov.12,1952. 298.8 G762

19026 WASTLER, T. A., DAUGHERTY, P. M., and SINEATH, H. H. Industrial raw materials of plant origin. I. Recent developments in fixed vegetable fats and oils. Ga. Engin. Expt. Sta. B. 13,38 p. Aug.1952. 290.9 G292

19027 WHALLEY, C., and ELLISON, M. The microdetermination of the iodine values of oils by the Wijs method. Oil & Colour Chem. Assoc. J. 35:596-600. Dec.1952. 306.9 Oi5

19028 WOLFORD, R. W., PATTON, V. D., and MCNARY, R. R. A method for removal of peel oil from citrus juices and process liquids. Food Technol. 6:418-421. Nov.1952. 389.8 F7398

19029 ZINOV'EV, A. A. In regard to refining black cottonseed oil. (In Russian.) Masl.-Zhir. Promysh. 17 (7):15-17. July 1952. 307.8 M37

POULTRY AND POULTRY PRODUCTS

19030 ALOI, L. On the poultry industry. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1171-1176. 1952. 388 C765Re
Italy.

19031 ASHE, A. J. Operation of poultry slaughterhouses in New York City, 1949-50. N. Y. (Cornell) Agr. Expt. Sta. B. 883,47 p. June 1952. 100 N48C
Includes economic factors and marketing of live poultry.

19032 BAY, O. City editors study poultry. Ext. Serv. Rev. 23:172. Oct.1952. 1 Ex892Ex

19033 BEANBLOSSOM, F. Z. Marketing turkeys in local communities. Turkey World 27(12):12-13,93-94. Dec.1952. 47.38 T48

19034 BEYERS, H. Considering selling to hotels! Turkey World 27(11):15,73. Nov.1952. 47.38 T84

19035 BOLLN. Beförderung von eintagsküken mit der eisenbahn. Deut. Wirtgeflügelzucht. 4:615,617. Sept.27, 1952. 47.8 D483

19036 BRADFORD, H. W. Egg marketing costs compared. News Farmer Coop. 19(7):15-16. Oct.1952. 166.2 N47

19037 BROOKS, J., COLES, R., and HOLMES, N. E. The problem of dirty eggs. Gt. Brit. Min. Agr. Agriculture 59:311-318. Ref. Oct.1952. 10 G79J

19038 CARLIN, A. F., and FOTH, J. Interior quality and functional properties of oiled and thermostabilized shell eggs before and after commercial storage. Food Technol. 6:443-450. Ref. Dec.1952. 389.8 F7398

19039 CARPENTER, A. W. Boosting poultry products is your job. East. Feed Merchant 3(11):20. Nov.1952. 389.78 Ea7

19040 CARPENTER, K. S. Hatching eggs or market eggs for profit? Farm Res. [N. Y. State Sta.] 18(4):14. Oct.1952. 100 N48A

19041 CHRISTIAN, W. E., JR., and DICKERSON, M. S., JR. Commercial chick hatcheries as a potential market for Mississippi eggs. Miss. Agr. Expt. Sta. B. 492,29 p. June 1952. 100 M69

19042 COX, J. Poultry and eggs are big business. Amer. Poultryman 15(8):12-13. Dec.1952. 47.8 So86

19043 DELLE, F. P., and PAULHUS, N. G. Materials handling equipment & methods in egg assembly plants. Amer. Egg & Poultry Rev. 14(11):30-31. Nov.1952. 47.8 Am38

19044 DRAPER, G. H. What's the fair way to buy turkey hatching eggs? Turkey World 27(12):18,89-91. Dec.1952. 47.38 T48

19045 DREWS, H. E. Professional packing methods add sales appeal. Mag. Ducks & Geese 3(4):8-9. Fall 1952. 47.8 M27

19046 EBBELL. Holländisches tagebuch II. Geflügelhof 15:636-639. Oct.3,1952. 47.8 G276
Poultry industry in the Netherlands.

19047 EBBELL. Die organisation der holländischen geflügelzucht. Geflügelhof 15:605-607. Sept.19,1952. 47.8 G276

19048 EVANS, N. W. Spotlighting the dressing. Turkey World 27(11):19,63-64. Nov.1952. 47.38 T84

19049 FULLER, J. E., and FLANDERS, W. C. OK to store cleaned eggs. Res. Rev. [Mass. Sta.] 1:7. Jan. 1952. 100 M38R

19050 FUNCK, B. Das ei als nahrungsmittel. Deut. Wirtgeflügelzucht. 4:605-606. (Cont.) Sept.20,1952. 47.8 D483
Storage.

19051 GORISSEN, J. Untersuchungen über die konservierung von eiern durch kurzes eintauchen in kochendes wasser. Giessen,1951. 32 p. Ref. 47 G67
Inaug.-Diss. - Giessen.

19052 GUSLER, G. 1953 looks better for poultrymen. Amer. Poultry J. 83(12):15,20-21. Dec.1952. 47.8 Am32

19053 HANGER, C. F. Grower and consumer benefit from Virginia egg law. Va. Poultryman 6(10):47,138-141 Oct.1952. 47.8 V812

19054 HASKELL, W. H. You and the law. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.53-56. Chicago,1952. 47 In7Sa
Poultry industry sanitation.

19055 INSTITUTE OF AMERICAN POULTRY INDUSTRIES. Sanitation manual for poultry and egg plants. Chicago,1952. 67 p. 47 In7Sa

19056 JASPER, A. W. Poultry farm practices and egg quality. U. S. D. A. Mktg. Res. Rpt. 22,28 p. May 1952. 1 Ag84Mr

19057 JØRGENSEN, H. Behandling af aeg i U. S. A. Rapport fra en studierejse i U. S. A. i 1950 [Care of eggs in U. S. A. Report on a study trip in U. S. A. in 1950]. København,Udenrigsministerium,1951. 109 p. (Teknisk Bistand under Marshall-Planen) 281.347 J76

19058 JUSTICE, W. M. Eye appeal counts in marketing your turkeys. Poultry 111:246. (Cont.) Oct.14, 1952. 47.8 P869

19059 KALOYEREAS, S. A., and DALQUEST, W. W. Studies on the hardening of chicken egg yolk by freezing: the effect of water moccasin venom on freeze-hardening. Cong. Internaz. Indus. Agr. Relaz. 9(1):247-260. 1952. 388 C765Re

19060 KANTNER, A. H. Kind and quality of eggs sold in retail food stores. N. Y. Agr. Col. Farm Econ. 187:4913-4915. Nov.1952. 280.8 C812

19061 KELLER, H. Über eine enteneivergiftung mit tödlichem ausgang. Lebensmitteltierarzt 3:78-79. Aug. 1952. 41.8 L49

19062 KEMP. J. Packing stations, their place in the British egg industry. Gt. Brit. Min. Food. B. 679: 4-5. Nov.29,1952. 389.9 G79B

19063 KOONZ, C. H. Good housekeeping pointers for poultry processing plants. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.43-52. Chicago,1952. 47 In7Sa

19064 LAURENT, C. K. An appraisal of New York City live poultry market reports, 1949-50. N. Y. (Cornell) Agr. Expt. Sta. B. 884,56 p. June 1952. 100 N48C

19065 LAURENT, C. K. Daily sales of live poultry. N. Y. Agr. Col. Farm Econ. 187:4916. Nov.1952. 280.8 C812
New York.

19066 LINEWEAVER, H., and KLOSE, A. A. Subscalding vs. semi-scalding. Turkey World 27(11):18,66-68. Nov.1952. 47.38 T84

19067 LOWRIE, A. W. Quality as industry watchword is important. Amer. Hatchery News 28(i.e.27):17,19 Aug.1952. 47.8 In83

19068 LULLO, C. DI. Observations on our poultry industry. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(98):10-12. Nov.22,1952. 281.8 Ag3

19069 LULLO, C. DI. Organization of our poultry industry. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(91):6-7. Oct.29,1952. 281.8 Ag3

19070 MCCARTHY, G. P. Texas—a leading state in the turkey industry. Turkey World 27(12):14-15,92. Dec. 1952. 47.38 T48

19071 MEHL, P. Poultry industry progress. Mktg. Activ. 15(9):8-11. Sept.1952. 1.942 A8M34

19072 MIDDLETON, C. A., JR., and TAYLOR, H. M. Statistical summary, 1951-52: poultry production, prices storage holdings and grain market prices. Va. Poultryman 6(10):48-49,147-150. Oct.1952. 47.8 V812
Includes turkeys and eggs.

19073 MOORE, H. L. Why Virginia has a place in tomorrow's commercial egg production. Va. Poultryman 6(10):50,102-103. Oct.1952. 47.8 V812

19074 MORTENSON, W. P. Top grade eggs more profitable for everyone. U. S. Egg & Poultry Mag. 58 (11):13-15,30-32. Nov.1952. 286.85 Eg3

19075 MOSS, W. W. Good housekeeping pointers for egg breaking plants. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.37-42. Chicago,1952. 47 In7Sa

19076 MOUNTNEY, G. J. What do housewives think of turkey broiler-fryers? Turkey World 27(12):82-84. Dec.1952. 47.38 T48

19077 NADEN, K. D., and JACKSON, G. A. Why those poor quality chickens? Pacific Poultryman 56(6): 8,45-47. June 1952. 47.8 P112

19078 1953 DIRECTORY of Virginia poultry industry. Va. Poultryman 6(10):151-169. Oct.1952. 47.8 V812

19079 OREGON. AGRICULTURAL EXPERIMENT STATION. Poultry—an appraisal of the problems and a statement of recommendations. Oreg. Agr. Expt. Sta. Oreg. Agr. 18,26 p. Aug.1952. 100 Or3O
Mainly on the poultry industry.

19080 OWENS, A. L. Egg quality in Rhode Island. R. I. Agr. Expt. Sta. B. 317,30 p. May 1952. 100 R34S

19081 PANKOVA, F., and LĬŪTIKOVA, P. Spray drying equipment for production of egg powder. (In Russian.) Mĭasnaĭa Indus. SSSR. 23(2):33-35. Mar./Apr. 1952. 50.8 M58

19082 PARNELL, E. D. Processors can check bone darkening in broilers. U. S. Egg & Poultry Mag. 58(12):10,24. Dec.1952. 286.85 Eg3

19083 PARNELL, E. D. Preparing [dressed] turkeys for a show. Turkey World 27(12):16-17,95-97. Dec.1952. 47.38 T48

19084 PEROTTI, R. M. Huevos de cascaron delgado. Tierra [México] 7:451,460-462. July 1952. 8 T445

19085 PERRY, J., and HUFFMAN, F. L. What's your hatchery worth? Hatchery & Feed 26(11):37-41. Nov. 1952. 47.8 H28

19086 RIĂBOV, G. G. For further development of poultry production on state farms. (In Russian.) Ptitsevodstvo 7:2-5. July 1952. 47.8 P95

19087 RICHIE, H. B. The clean-up crew—its job, tools and techniques. 1. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.24-31. Chicago,1952. 47 In7Sa
Poultry and egg plants.

19088 ROONEY, F. The poultry industry's obligations to the retail trade. Amer. Egg & Poultry Rev.14(11): 16. Nov.1952. 47.8 Am38

19089 SCHLÜTTER. Die stellung der geflügelhaltung im bäuerlichen betrieb. (Extr.) Deut. Landwirt.-Gesell. Mitt. 67:692-693. Sept.27,1952. 18 N39

19090 SCHULTZ, R. W. The clean-up crew—its job, tools and techniques. 2. In Institute of American Poultry Industries. Sanitation manual for poultry and egg plants, p.32-36. Chicago,1952. 47 In7Sa
Poultry and egg industry sanitation.

19091 SMITH, H., and DALLAVALLE, F. A study of the merchandising of poultry and eggs in retail stores. Md. Agr. Expt. Sta. Misc. P. 144,33 p. July 1952. 100 M36M

19092 SNYDER, G. F. You've got to have the product before you can get the price. U. S. Egg & Poultry Mag. 58(12):14-15,26-27. Dec.1952. 286.85 Eg3
Poultry.

19093 TERMOHLEN, W. D., and SNELL, G. F. Recent trends in the distribution of poultry meats. Va. Poultryman 6(10):46,141-146. Oct.1952. 47.8 V812
Includes turkeys.

19094 TEWES, J. Be market-wise! Minn. Gobbles 7(5):17. Oct.1952. 47.38 M66
Turkey marketing.

19095 TIKHOMIROV, A. E. Mechanization of slaughterhouse processing of poultry. (In Russian.) Mĭasnaĭa Indus. SSSR. 23(2):55-57. Mar./Apr.1952. 50.8 M58

19096 TRENSE, I. Die erwerbsbrüterei. Deut. Wirtgeflügelzucht. 5:14. Oct.11,1952. 47.8 D483

19097 TRET'ĬAKOV, N. P. To finish with the underestimation of the poultry industry in Gorki Region. (In Russian.) Ptitsevodstvo 8:2-5. Aug.1952. 47.8 P95

19098 U. S. BUR. OF AGRICULTURAL ECONOMICS., Measuring changes in quality when quality standards are subject to errors in interpretation, by G. L. Burrows and A. W. Brant. Washington,1952. 11 p. 1.941 A22M46
Candled quality of eggs.

19099 U. S. PRODUCTION AND MARKETING ADMIN. Digest of poultry grading and inspection regulations, standards and grades, by W. E. Hauver, Jr. Rev. Washington,1952. 18 p. 1.956 P86D562

19100 U. S. PRODUCTION AND MARKETING ADMIN. Minimum standards for warehouses storing shell eggs. Dallas,1952. 2 p. 1.956 A2M666

19101 URNER, F. E. Dried-frozen egg situation. Amer. Egg & Poultry Rev. 14(11):50-51. Nov.1952. 47.8 Am38

19102 WASMUTH, J. Starts industry promotion ball rolling. U. S. Egg & Poultry Mag. 58(12):17,32-33. Dec.1952. 286.85 Eg3
Poultry.

19103 WEEKS, J. P. Package broilers for eye appeal. Broiler Growing 3(11):14,56-57. Nov.1952. 47.8 B782

19104 WESSELS, J. Virginia Department of Agriculture: its services to the poultry industry. Va. Poultryman 6(10):44,116-118. Oct.1952. 47.8 V812

19105 WILCOX, W. W. Egg supplies and prices—1952. Farm Policy Forum 5(11):5-7. Nov.1952. 281.8 F2274

19106 WILHELM, L. A. Applying history to outlook. (Sum.) Amer. Egg & Poultry Rev. 14(11):32-33. Nov. 1952. 47.8 Am38
Poultry industry.

19107 WILSON, E. Who buys those alleged black-market eggs? Poultry 111:200. Sept.23,1952. 47.8 P869
Great Britain.

19108 WINTER, A. R., BURHART, B., and WETTLING, C. Cleaning eggs for market. Ohio. Agr. Expt. Sta. Res. B. 710,30 p. Ref. Oct.1952. 100 Oh3S

19109 WINTER, A. R. Production of pasteurized frozen egg products. Food Technol. 6:414-415. Ref. Nov.1952. 389.8 F7398

19110 WOINOFF, O. Die volkswirtschaftliche bedeutung der hühnerzucht in der Bundesrepublik Deutschland. Deut. Wirtgeflügelzucht. 4:589-591. Ref. Sept.13,1952. 47.8 D483

RUBBER AND RUBBER SUBSTITUTES

19111 ANDRADE, R. Campaña del caucho. Rev. Nac. de Agr. 46(570):10-11. Oct.1952. 9.4 R32
Colombia.

19112 BUSCARONS, F., and CAPITAN, F. Análisis de acelerantes de la vulcanización del caucho. Indus. y Quim. 14:104-107,109. (Concl.) Ref. May/July 1952. 385 In28

19113 BUSCARONS, F., and CAPITAN, F. Análisis de acelerantes de la vulcanización del caucho. Indus. y Quím. 14:151-152. (Cont.) Aug.1952. 385 In28

19114 D'ALELIO, G. F. Fundamental principles of polymerization: rubbers, plastics, and fibers. New York, Wiley,1952. 517 p. Ref. 386 D15F

19115 FANTI, O. D. Industrialización del guayule. Argentina. Min. de Agr. y Ganad. Almanaque 26/27: 369-373. 1951/52. 9 Ag874

19116 GUNTHER, E. Trees that weep gold. Crown 41(11):9-11,21-22. Nov.1952. 389.8 C88
The rubber industry.

19117 MUKHERJEE, J. C. Indian Rubber Industries' Association. Rubber India 4(8):11-13,17. Aug.1952. 385.8 R829

19118 NAIDU, B. V. N. Review of prices of raw rubber. Rubber India 4(8):20-22. Aug.1952. 385.8 R829

19119 PETERS, H. Hard rubber. Indus. & Engin. Chem. 44:2344-2345. Ref. Oct.1952. 381 J825
Research.

SEEDS

19120 ÅKERBERG, E. Plan now for next year's seed! (In Swedish.) Lantmannen 36:951-952. Nov.22, 1952. 11 L234

19121 ALTENA, A. C. J. VAN. The moisture content of seeds in connection with the delivery of contracted seeds. (In Dutch.) Zaadbelangen 6:188-189. Aug.30, 1952. 61.8 Z1

19122 BUTTERS, E. A. Seeds, legume inoculants in New Jersey—1951. N. J. Agr. Expt. Sta. Inspect. Ser. 44, 16 p. Jan.1952. 100 N46S

19123 CONSTANDSE, A. J. The seed supply in Denmark and what is connected with it. (In Danish.) Zaadbelangen 6:187-188. (Cont.) Aug.30,1952. 61.8 Z1

19124 CUTHBERTSON, D. G. Seed above ground. West. Grower & Shipper 23(12):188-190. Nov.1952. 280.38 W52
Care and handling.

19125 DEL PRADO, F. A., and CHRISTENSEN, C. M. Grain storage studies. XII. The fungus flora of stored rice seed. Cereal Chem. 29:456-462. Ref. Nov.1952. 59.8 C33

19126 GREGORY, H. C. Visit to U. S. A. and Canada. 29th May—6th July, 1952. Seed Trade Rev. 4:287-288, 291,293-295. Oct.1952. 61.8 Se32

19127 GRIESBECK, A. Die unterbewertung des saatgutes. Deut. Landwirt.-Gesell. Mitt. 67:681. Sept. 27,1952. 18 N39

19128 HINTON, E. H. The inspection of herbage seed crops in Essex 1952. Essex Farmers' J. 31(7):37, 39,41. Sept.1952. 10 Es72

19129 HUMPHRIES, E. E. An amazing half century. West. Grower & Shipper 23(12):194-195. Nov.1952. 280.38 W52
The seed industry.

19130 MCINTYRE, C. N. Carrying the torch for seed service. Grain & Feed J. Consolidated 109(10):13-14. Nov.26,1952. 298.8 G762
Testing.

19131 MISSOURI STATE SEED TESTING LABORATORY. Annual report, July 1, 1951 - June 30, 1952. Jefferson City,1952. 81 p. 61.9 M69

19132 NISBET, R. C. Seed cleaning. Oil Mill Gaz. 57(3):27-31. Sept.1952. 307.8 Oi53
Includes discussion.

19133 NORWAY. STATENS FRØKONTROLL, ÅS. Report from the Norwegian State Seed Testing Station for the fiscal year 1st July 1950—30th June 1951. Norway, 1952. 40 p. 61.4 N832
English summary.

19134 RASKOPF, B. D. Marketing cotton planting seed in Tennessee. Tenn. Agr. Expt. Sta. Rur. Res. Ser. Monog. 265,38 p. Nov.1,1952. 173.2 W89Co

19135 SAMVIRKENDE DANSKE FRØAVLER-FORENINGER. SEKRETARIAT. Prices of field crop seeds fall 1951. (In Danish.) Dansk Frøavl 35:221-233. Sept.15,1952. 61.8 D23

19136 SCHOOREL, A. F. The control of seeds in Switzerland. (In Dutch.) Zaadbelangen 6:161-162. July 31,1952. 61.8 Z1

19137 SCHREIBER, F. Eindrücke von der saatgutwirtschaft Amerikas. Saatgut-Wirt. 4:205. Sept.1952. 61.8 Sa1

19138 U. S. BUR. OF AGRICULTURAL ECONOMICS. Seed crops, acreage, yield, and production of field seed crops, by States; revised estimates, 1939-51, by G. C. Edler, T. J. Kuzelka, and R. H. Sutherland. Washington, 1952. 51 p. 1.941 H2Se32

SUGAR AND SIRUPS

19139 ANDRES, P. Repetitorium der zuckertechnik. Z. f. die Zuckerindus. 2:323-324. (Cont.) Sept.20,1952. 65.8 D48

19140 ANTONIOLI, A. G. Use of exchange resins in the bleaching of sugar juices. I. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):231-246. 1952. 388 C765Re
English summary.

19141 ARVIDSSON, M., and SCHILLER-MEIER, I. A kinetic investigation of the removal of acetyl groups in beet pectin. Socker 8:7-16. 1952. 65.8 So1

19142 AVICE, R. D'. Cane payment; determination of the sucrose content of planters' canes. Rev. Agr. de l'Ile Maurice 31:126-129. May/June 1952. 24 M44

19143 BANDINI, M. Comparative economic study of the production of cane and beet sugars. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):435-444. 1952. 388 C765Re
English summary.

19144 BARRET, A. L'emploi des levains lactiques pour la conservation des pulpes de betteraves. Cong. Internaz. Indus. Agr. Relaz. 9(2):385-389. 1952. 388 C765Re
English summary.
Use of Lactobacillus brevis.

19145 BEER, A. Die marktordnung in der zuckerwirtschaft. Allgemeine vorbemerkungen. Jahrb. der Zucker- u. Süsswaren-Wirt. 1952:212-213. 286.86 J19
Germany.

19146 BERNHARDT, W. O. The Spreckels automatic polariscope in the "ideal beet sugar factory." Cong. Internaz. Indus. Agr. Relaz. 9(2):407-418. 1952. 388 C765Re

19147 BIRCH-LENSEN, A. Some studies about the inherent purity of raw sugar crystals. Socker 8:25-32. 1952. 65.8 So1

19148 BLOCK, B. Betriebsmängel, rückblickende beobachtungen und verbesserungsvorschläge für die kommende betriebszeit. Z. f. die Zuckerindus. 2:310-314. (Cont.) Sept.20,1952. 65.8 D48
English summary.

19149 BORGHI, M., and MAURANDI, V. Determination of invert sugar. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):375-384. 1952. 388 C765Re
English summary.

19150 BORGHI, M. Ion exchange in the sugar industry. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):519-528. 1952. 388 C765Re
English summary.

19151 BRIEGHEL-MÜLLER, A. Progressive vorscheidung, eine mathematische studie. Z. f. die Zuckerindus. 2:307-310. Sept.20,1952. 65.8 D48
English summary.

19152 BUHL, J. E. Die süsswareinindustrie in der konsolidierung. Jahrb. der Zucker- u. Süsswaren-Wirt. 1952:353-365. 286.86 J19
Includes sugar consumption and prices in Germany.

19153 CALMON, P. Sugar and the State. (In Portuguese.) Bras. Açucareiro 39:585. June 1952. 65.8 B73

19154 CARBONI, G. Storage of beets in underground silos with automatic loaders and unloaders. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):707-718. 1952. 388 C765Re
English summary.
Sugar beets.

19155 CHRISTIANSON, W. O. Cane testing, with particular reference to the use of the Java ratio in Natal. So. African Sugar Technol. Assoc. Proc. 26:69-84. Ref. 1952. 65.9 So83
Includes discussion.

19156 CIANCARELLI, U., and LANATA, G. The manufacture of beet sugar. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):421-434. 1952. 388 C765Re
English summary.

19157 COUTINHO, N. Notes and observations on sugar economy. (In Portuguese.) Bras. Açucareiro 39: 564-566. June 1952. 65.8 B73

19158 DEOMANO, F. V. Milling performance of the sugar cane variety PSA-96 in Pampanga sugar mills. Sugar News [Manila] 28(9):398-401. Sept.1952. 65.8 Su36

19159 DILLEWIJN, C. VAN. Improving India's sugar output. Sugar 47(11):33-34. Nov.1952. 65.8 F11

19160 DOMINGO, J. P. S. How the sugar sharing law may affect milling policies in sugar centrals. Sugar News [Manila] 28(9):413-416. Sept.1952. 65.8 Su36
Philippines.

19161 DOUWES DEKKER, K., and DOUWES DEKKER, M. J. Some notes on the properties of raw sugar in connection with deterioration during storage. So. African Sugar Technol. Assoc. Proc. 26:40-47. 1952. 65.9 So83
Includes discussion.

19162 DRACHOVSKA-SIMANOVA, M., and SANDERA, K. Safeguarding beets on stock-piles in connection with extending the production cycle of sugar factories. (In Czech.) Za Socialist. Zeměděl. 2:918-927. Aug.1952. 19.5 Z1
Czechoslovakia.

19163 DUCHENNE, J. O. Notes on juice clarification at Umfolozi. So. African Sugar Technol. Assoc. Proc. 26: 62-68. 1952. 65.9 So83

19164 DU TOIT, J. L. Annual summary of agricultural data for the sugarcane crop 1950-1951. So. African Sugar Technol. Assoc. Proc. 26:32-39. 1952. 65.9 So83

19165 DYER, B. W., & CO. Review of the sugar markets. Sugar 47(12):49-50. Dec.1952. 65.8 F11

19166 DYMOND, G. C. Clarification studies. So. African Sugar Technol. Assoc. Proc. 26:54-61. 1952. 65.9 So83

19167 EILERTSEN, J. Conservation de la betterave et perte en sucre au cours du stockage. Cong. Internaz. Indus. Agr. Relaz. 9(1):719-734. 1952. 388 C765Re
English summary.

19168 EVANS, C. S. Costing of the sugar industry. Cost control—its advantages over historical costing. So. African Sugar Technol. Assoc. Proc. 26:8-13. 1952. 65.9 So83
Includes discussion.

19169 FLEMING, G. S. Treatment and re-use of water in beet sugar manufacturing. Sewage & Indus. Wastes 24:1382-1388. Nov.1952. 293.8 Se8

19170 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Sugar. Food & Agr. Organ. United Nations. FAO Commod. Ser. 22,131 p. Sept.1952. 389.9 F735Cs

19171 GHETTI, A. Observations on the value of the coefficient for the correction of the apparent purity of impure sugar solutions calculated according to Cornacchia. (In Italian.) Indus. Sac. Ital. 45:292-294. July/Aug.1952. 65.8 In23

19172 GONZÁLEZ QUINONES, M. La solucíon al problema azucarero requiere sacrificio de todos. Caña y Azúcar 1(4):21-22,26. July 1952. 65.8 C163
Puerto Rico.

19173 GUILLAUME, J. L'avenir de la fabrication du sucre blanc en sucrerie de cannes. Cong. Internaz. Indus. Agr. Relaz. 9(2):463-466. 1952. 388 C765Re

19174 GUILLAUME, J. La fabrication du sucre de canne à sucre; etude d'une usine idéale. Cong. Internaz. Indus. Agr. Relaz. 9(2):357-368. 1952. 388 C765Re

19175 GUILLAUME, J. Réglage des moulins à cannes. Cong. Internaz. Indus. Agr. Relaz. 9(2):459-462. 1952. 388 C765Re

19176 HADDON, E. Notes on the determination of sucrose and reducing sugars in molasses. Rev. Agr. de l'Ile Maurice 31:134-136. May/June 1952. 24 M44

19177 HALAIS, P. Le refractomètre à main de Zeiss-Opton indispensable en sucrerie pour le dosage des matières dissoutes. Rev. Agr. de l'Ile Maurice 31: 130-133. May/June 1952. 24 M44

19178 HARRIS, W. A., and others. Methanol-insoluble material in sorgo and beet juices. Indus. & Engin. Chem. 44:2414-2417. Ref. Oct.1952. 381 J825
L. W. Norman, J. H. Turner, H. F. Haney, and R. H. Cotton, joint authors.

19179 HENRY, J. La viscosité des mélasses dans le contrôle. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(2):419-420. 1952. 388 C765Re
Text also in English.

19180 HOBBS, J. E. Stores for bulk raw sugar. Internatl. Sugar J. 54:295-299. Nov.1952. 65.8 In8

19181 HOSOKAWA, S., and OSHIMA, E. Investigations on the harmful non-sugar substances in sugar-beet root, with special reference to the so-called harmful nitrogen. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 63:27-32. Ref. Mar.1952. 107.6 H68
English summary.

19182 INDIAN INSTITUTE OF SUGAR TECHNOLOGY. Review of the sugar industry of India for the year 1949-50. Indian Trade J. 182(2403,sup.),32 p. Sept.20,1952. 286.8 In24

19183 JAHRBUCH der zucker- und süsswaren-wirtschaft 1952. Hamburg,1952. 1152 p. 286.86 J19

19184 JAQUITH, B. K., and FUENTE, V. DE LA. Humidity control of sugar in the warehouse. Sugar News [Manila] 28(9):436-439,454. Sept.1952. 65.8 Su36

19185 JORGENSEN, H. Augmentation du rendement dans la production d'alcool de mélasse de betterave par l'emploi des préparations de l'enzyme mélibiase. Cong. Internaz. Indus. Agr. Relaz. 9(2):511-512. 1952. 388 C765Re
English summary.

19186 KERN, E. Erläuterungen zum Gesetz über den Verkehr mit Zucker (Zuckergesetz) vom 5. 1. 1951. Jahrb. der Zucker- u. Süsswaren-Wirt. 1952:1009-1031. 286.86 J19
Germany.

19187 KHANNA, K. L. Research and development function vis-a-vis the needs of the sugar industry. Indian Sci. Cong. Proc. 39:197-224. 1952. 513 In22

19188 KRNO, J. Corn industry working for "corn sugar syrup." Internatl. Confectioner 62(11):16,28. Nov.1952. 389.8 In214

19189 LABOUCHERE, A. Comment éviter les incrustations dans les évaporations des sucreries. Cong. Internaz. Indus. Agr. Relaz. 9(2):391-406. 1952. 388 C765Re
English summary.

19190 LEITE, J. Use of molasses as a source of proteins in Brazil. (In Portuguese.) Bras. Açucareiro 39:567-576. Ref. June 1952. 65.8 B73

19191 LONG, B. E. Cauca Valley: sugar frontier. 1. Historical and agricultural aspects of developing Colombia's sugar industry. Sugar 47(12):35-38. Dec. 1952. 65.8 F11

19192 LOPEZ FERRER, F. A. La cal en la industria azucarera. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:341-342. Sept.1952. 65.9 As5B

19193 MCCULLOCH, A. F. The direct determination of fibre content of individual cane consignments. So. African Sugar Technol. Assoc. Proc. 26:85-99. 1952. 65.9 So83
Includes discussion.

19194 MARIANI, E. Chromatographic research on the distribution of amino acids in products of sugar manufacture. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1077-1086. 1952. 388 C765Re
English summary.

19195 NAKASHIMA, H., and OTSU, S. On the separation crude sugar molasses. (In Japanese.) Kyushu Noji Shikenjo 9:99-100. Mar.1952. 107.6 K996

19196 PEÑA MARTIN-GONZALEZ, F. DE LA. Estudio económico de los azucares de caña y de remolacha y utilización de los subproductos de fabricación. Cong. Internaz. Indus. Agr. Relaz. 9(2):445-458. 1952. 338 C765Re
English summary.

19197 PERK, C. G. M. The Boulogne automatic juice scale. So. African Sugar J. 36:621,623. Oct.1952. 65.8 So8

19198 PERK, C. G. M. Twenty-seventh annual summary of chemical laboratory reports; South African sugar factories, season 1951-52. So. African Sugar Technol. Assoc. Proc. 26:14-26. 1952. 65.9 So83
Includes discussion.

19199 PUERTO RICO. DEPT. OF LABOR. BUR. OF LABOR STATISTICS. Refinación de azucar crudo. San Juan,1951. 33 p. (Its Publicación Núm. 37) 65 P96R

19200 RIOLLANO, A. Plans advanced to cut P. R. surplus. Sugar 47(12):57-60,73. Dec.1952. 65.8 F11

19201 ROGGE, K. Zukünftige sicherung der zuckerversorgung in Westdeutschland. Jahrb. der Zucker- u. Süsswaren-Wirt. 1952:185-195. 286.86 J19

19202 SAHA, J. M., and JAIN, N. S. White sugar without sulphur. Sugar 47(11):44-47. Nov.1952. 65.8 F11

19203 SALANI, R., and ORAZI, G. D'. Study on the calcium carbonate purification of raw sugar juices. a) Defecation. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):247-260. Ref. 1952. 388 C765Re
English summary.
Sugar beet juices.

19204 SOUTH AFRICAN SUGAR TECHNOLOGISTS' ASSOCIATION. Proceedings of the twenty-sixth annual congress, held in Durban and at Mount Edgecombe, 19th-22nd February, 1952. Mount Edgecombe,1952. 130 p. 65.9 So83

19205 SPERBER-FEYDT, M. D. Zuckersirup und zuckerlösungen und ihre berechnung. Destillateur-Lehrling 2:59-65. Aug.1952. 390.8 D47

19206 SUGAR reference book, volume XX, 1952. New York,1952. 198 p. 65.8 Su324

19207 SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA. List of cane sugar factories and gur refineries in India, season: 1951-52. Nawabganj,1952. 22 p. 225 Su3

19208 SWAN, J. A. Sugar beet plant ranks among continent's finest. Canad. Chem. Processing 36(12,i.e. 11):48,50,52. Nov.1952. 381 C16

19209 TEATINI, D. Contribution à l'étude des batteries de diffusion. Cong. Internaz. Indus. Agr. Relaz. 9(2):317-356. 1952. 388 C765Re
Beet sugar manufacture.

19210 TEATINI, D. La fabrication du sucre de betteraves; étude d'une fabrique idéale. Cong. Internaz. Indus. Agr. Relaz. 9(2):281-316. Ref. 1952. 388 C765Re

19211 THIES, H. Werdegang und eigenschaften des zuckers. VII. Die herstellung von traubenzucker (stärkezucker). Deut. Bienenwirt. 3:210-211. Oct.1952. 424.8 D489

19212 THIES, H. Werdegang und eigenschaften des zuckers. XI. Die raffination des rohr- und rübenzuckers. Deut. Bienenwirt. 3:165-166. Sept.1952. 424.8 D489

19213 TOURLIÈRE, S. Pouvoir adsorbant du marc de betterave. Cong. Internaz. Indus. Agr. Relaz. 9(1):1013-1018. 1952. 388 C765Re

19214 TRUFFAULT, G. La réalisation de la fabrique de sucre idéale, des points de vue technique, économique, hygiénique, social. Cong. Internaz. Indus. Agr. Relaz. 9(2):261280. 1952. 388 C765Re
English summary.

19215 TRUFFAULT, G. Sur la cristallisation des solutions sucrées et son application dans l'industrie sucrière. Cong. Internaz. Indus. Agr. Relaz. 9(1):1033-1042. 1952. 388 C765Re
English summary.

19216 ULRICH, K. Zur geschichte der zuckerbestimmungen. Z. f. die Zuckerindus. 77:318-321. Sept.20, 1952. 65.8 D48

19217 VALERI, G. M. Filtration in sugar beet factories. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):213-226. 1952. 388 C765Re
English summary.

19218 VARDYA, F. L. Sugar industry of India. Sugar 47(12):55. Dec.1952. 65.8 F11

19219 VESELY, C. Advantages of the Steffen process with grinding of beets and with production of dry sugar pulp. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(2):369-374. 1952. 388 C765Re
English summary.

19220 WATERMAN, H. I. L'emploi d'échangeurs d'ions dans l'industrie du sucre de betterave. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(2):227-230. 1952. 388 C765Re
Text also in English.

19221 WEIBULL, N. The Weibull raw sugar silo. Socker 8:17-23. 1952. 65.8 So1

19222 WESTGATE, R. China's sugar production. Sugar 47(12):51-52. Dec.1952. 65.8 F11

TOBACCO

19223 ALBERT, C. L. Ein schweizerischer volksbegehr und unsere tabaksteuerreform. Süddeut. Tabakztg 62(43):1. Oct.24,1952. 286.89 Su2

19224 ARMENGOL, A. 50 years of the Cuban tobacco industry recounted in Republic's golden year. Tobacco [New York] 135(22):9-10,18-19. Nov.27,1952. 286.89 T552

19225 BAKKENIST, S. C. Regie or free enterprise. World Tobacco Cong. Proc. 1:110-137. Ref. 1951. 69.9 W89P

19226 BOUSSER, R. Essai d'une méthode rationnelle et rapide de séchage du tabac à la Station Technologique de l'École Marocaine d'Agriculture. Cong. Internaz. Indus. Agr. Relaz. 9(1):1149-1156. 1952. 388 C765Re
English summary.

19227 CUZIN, J., and SCHWARTZ, D. La moisissure du tabac. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9 (1):1275-1276. 1952. 388 C765Re

19228 GORNIK, R. International Exposition of Tobacco in Amsterdam. (In Serbo-Croatian.) Tutun 2:187-196. (Cont.) June/July 1952. 69.8 T88

19229 GUTIÉRREZ, M. E. Why the business of Virginia tobacco? Sugar News [Manila] 28(9):447-449, 431. Sept.1952. 65.8 Su36
Philippines.

19230 HOUSTON, F. G. Separation and determination of nicotine and nornicotine in tobacco. Analyt. Chem. 24:1831-1832. Nov.1952. 381 J825A

19231 ISRAEL, M. R. Regie or free enterprise. World Tobacco Cong. Proc. 1:59-81. 1951. 69.9 W89P

19232 KOENIG, P. Tobaccos containing no or very little nicotine. World Tobacco Cong. Proc. 1:152-165. 1951. 69.9 W89P

19233 KRUEGER, J. N. Heating practices and equipment for curing burley tobacco. Ky. Agr. Col. Ext. C. 496,16 p. Aug.1952. 275.29 K415

19234 MEISNER. Einschreibungs-ergebnisse für zigarrengut-grumpen aus Nordbaden und Württemberg. Bad. Landwirt. Wchnbl. 119:732-733. Oct.18,1952. 18 B142

19235 MILER, D., and KAPETANOVIC, A. Quantitative distribution of several important constituents in tobacco leaf. (In Serbo-Croatian.) Tutun 2:113-124. Apr.1952. 69.8 T88
German summary.

19236 PYRIKI, C. Uber die tabakfermentation. II. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:238-246. Oct.1952. 384 Z39

19237 TIRELLI, M. Present information on the storage of tobacco in warehouses. (In Italian.) (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1273-1274. 1952. 388 C765Re

19238 U. S. PRODUCTION AND MARKETING ADMIN. Preparation of flue-cured tobacco for market. Washington,1952? 9 p. 1.956 T55P91

19239 U. S. PRODUCTION AND MARKETING ADMIN. Proposed amendments to the official standard grades for flue-cured tobacco. Washington,1952. 6 p. 1.956 T55P94

19240 U. S. PRODUCTION AND MARKETING ADMIN Summary of the proposed amendments being considered to the official standard grades for Burley tobacco (U. S. type 31). Washington,1952. 6 p. 1.956 T55Su6

19241 VOINCHET, M. La fermentation artificielle du tabac. (Sum.) Cong. Internaz. Indus. Agr. Relaz. 9(1): 1319-1320. 1952. 388 C765Re

19242 WORLD TOBACCO CONGRESS, AMSTERDAM, 1951. Proceedings. Amsterdam,1951. 2 v. 69.9 W89P

MISCELLANEOUS PRODUCTS

19243 AMERICAN ASSOCIATION OF NURSERYMEN. How to grow customers for nursery products; a primer on advertising for nurserymen. New York,Retail Div., Bur. of Adver., ANPA,1952? 15 p. 238.2 Am33

19244 CUTTING, C. L. Fish preservation down the ages. Chem. & Indus. 46:1110-1115. Ref. Nov.15,1952. 382 M31C

19245 DIVERS, E. L. Practical aspects of shrimp freezing. (Excerpts.) Quick Frozen Foods 15(5):82,84. Dec.1952. 389.8 Q4

19246 ECKENRODE, M. W. What price the bush! Amer. Rose Mag. 10(10):16-17. Oct.1952. 80 Am327A

19247 EGOROV, V. F., and GROMOVA, E. S. Rapid method of cold curing of fish. (In Russian.) Rybnoe Khoz. 28(7):42-43. July 1952. 414.8 R962

19248 FREEZING fish at sea. Canner 115(21):14-17. Nov.22,1952. 286.83 C16
Based on reports by J. F. Puncochar, J. C. Hartshorne, S. R. Pottinger, C. Butler, and H. W. Magnusson,

19249 GRETSKAIA, O. P. Cold curing of fish by V. F. Egorov's and E. S. Gromova's method. (In Russian) Rybnoe Khoz. 28(7):43-46. July 1952. 414.8 R962

19250 HEYER, W., and HAEBICH, W. Die ersten hopfen der ernte 1952. Brauwelt 42:1021-1024. Oct.16, 1952. 390.8 B732
Analysis of German hops.

19251 KLEBER, W. Amerikanische hopfen. Brauwelt 42:1005-1006. Oct.16,1952. 390.8 B732
Analysis.

19252 PILLAT, H. Vom hopfen; eine betrachtung zum hopfenmarkt. Q. J. Studies Alcohol 41:999-1000. Oct.9,1952. 390.8 B732

19253 POST, K., and FISCHER, C. W., JR. Commercial storage of cut flowers. Pre-Pack-Age 6(3):11-15, 26. Nov.1952. 280.38 P91

19254 POZHOGINA, P. M. Method of curing sprats at the establishments of the fish industry in Latvian SSR (In Russian.) Rybnoe Khoz. 28(8):47-49. Aug.1952. 414.8 R962

19255 SMITH, A. C., JR. New mecnanical hop strainer design proves successful. Amer. Brewer 85 (11):40-41. Nov.1952. 390.8 Am3

19256 WEVER, J. DE. L'appréciation du houblon en brasserie. Petit J. du Brasseur 60:727-728. Oct.10, 1952. 390.8 P44
Analysis.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

19257 AHMAD, M. The economy of Pakistan. Karachi,Pakistan Inst. Internatl. Aff.,1950,i.e.1952. 23 p. 280.182 Ah5
Agriculture and irrigation included.

19258 ALBERTA. DEPT. OF ECONOMIC AFFAIRS. The Alberta story; an authentic report on Alberta's progress, 1935-1952. Edmonton,1952. 62 p. 280.131 AL15
Includes agriculture.

19259 AMARAL, J. D. Agriculture and industry. (In Portuguese.) Vida Agr. 15(91):1-2. Sept./Oct.1952. 15.5 V66
Portugal.

19260 AMERICAN FARM BUR. FEDERATION. Program for mutual security and international development. Washington,1952. 27 p. 281 Am35

19261 DELUCQ. Veut-on revoir les assignats? Terre d'Oc 34:279-280. July 1952. 14 Ar5
Prices and the interrelationship between industry and agriculture.

19262 DOMORÁZEK, P. New agricultural economy. (In Czech.) Za Socialist. Zeměděl. 2:270-277. Mar. 1952. 19.5 Z1
Czechoslovakia.

19263 FINOGENOV, A. Successful development of the national economy of Rumania. (In Russian.) Vneshn. Torg. 22(8):10-18. Aug.1952. 286.8 F762
Includes agriculture.

19264 GIANNINI FOUNDATION OF AGRICULTURAL ECONOMICS. LIBRARY. Important sources of information for work in agricultural economics with special emphasis on California. Ed. 7. Berkeley,Calif.,1952. 95 p. 241.3 G34

19265 HAMBROUCK, K. Belgian agriculture in its present economic evolution. (In Flemish.) Cult. en Handel 18:584-588. Oct.1952. 80 C892

19266 INDIAN SOCIETY OF AGRICULTURAL ECONOMICS. Co-operation in Kodinar. Bombay,1951. 151 p. 280.2 In25
Includes the agricultural economy and agricultural policy.

19267 INDIAN SOCIETY OF AGRICULTURAL ECONOMICS. Reading in agricultural economics. v. 2. Bombay,1951. 288 p. 281.9 In24Re

19268 JOHNSTON, C. D. Alternative pathways. Va. Agr. Col. Ext. Va. Farm Econ. 132:42-48. Aug.1952. 275.29 V813
Free enterprise vs. Socialism.

19269 JONES, W. O. The new agricultural economics J. Farm Econ. 34:441-450. Nov.1952. 280.8 J822

19270 KELEGAMA, J. B. Colombo Plan and Ceylon. Ceylon Trade J. 17:441-444. Sept.1952. 286.8 C333

19271 KUÍBYSHEV, A. Poland's economy on a higher level. (In Russian.) Vneshn. Torg. 22(8):1-9. Aug.1952. 286.8 F762
Includes agriculture.

19272 MATUNAGA, T. Analysis of farm economy in Kasanohara Plateau, Kagoshima Prefecture. (In Japanese. Kyushu Noji Shikenjo 9:87-88. Mar.1952. 107.6 K996

19273 MELIS CLAVERIA, M. Datos sobre la estructura económica de los territorios dependientes de España en Africa. De Economia 5(17/18):7-32. Jan./Apr.1952. 280.8 Ec7222
Includes agriculture.

19274 MIEGE. La situation agricole et économique du Maroc. Acad. d'Agr. de France. Compt. Rend. 39: 455-460. June 25/July 9,1952. 14 P215Bc

19275 NEW ZEALAND economic survey, 1952. Wellington,1952. 63 p. 280.8 N482
Includes agriculture.

19276 PETROV, I., and NIKOLAEVA, A. Economic situation of Syria and Lebanon. (In Russian.) Vneshn. Torg. 22(9):33-40. Sept.1952. 286.8 F762
Includes agriculture.

19277 U. S. DEPT. OF AGRICULTURE. FIELD COMMITTEE FOR NEW ENGLAND-NEW YORK. Probable economic impacts of inundation, proposed Hopkinton-Everett Reservoir, Merrimack River Basin, New Hampshire, by E. L. Greenshields. Washington,1952. 52 p. 1.90 C2F453

AGRICULTURAL FINANCE

19278 AGRICULTURAL finance review 14(sup.2),29 p. Oct.1952. 1.9 Ec78Ag
1953 outlook supplement.

19279 CAMPBELL, W. W. A lay-away plan for farmers. Mich. Investor 51(16):8. Oct.18,1952. 284.8 M582

19280 CAMPBELL, W. W. A lay-away plan for farmers. Mountain States Banker 37(42):8,12. Oct.20, 1952. 284.8 M86

19281 PERGOLESI, A. Agricultural interests and local finance. (In Italian.) Rass. dell'Agr. Ital. 7(10): 11-13. (Cont.) Oct.1952. 281.8 R18

19282 THOMPSON (J. WALTER) CO. Population and its distribution, 1951. Ed. 7. New York,McGraw-Hill, 1952. 428 p. 252 T37
Marketing data for rural population included.

Credit

19283 BANCO AGRÍCOLA Y PECUARIO. Informe anual 1951. Caracas,1952? 103 p. 284.29 B224I

19284 BERG, S. G. Agriculture and the saving banks. (In Swedish.) Tidskr. f. Hushsällsk. och Skogsvårdsstyr. i Gävleborgs Län 27:134-135. 1951. 11 T434

19285 BLACKMON, C. Changes in cotton financing. Cotton Digest 25(12):124-125. Nov.29,1952. 286.82 C822

19286 COOKE, R. G. The banker and poultry credit. Poultry Indus. [Boston] 58(3):16. Nov.1952. 47.8 N44

19287 COOKE, R. G. Why should feed dealers be bankers? Grain & Feed J. Consolidated 109(10):17-18. Nov.26,1952. 298.8 G762

19288 COOKE, R. G. Why should the feed dealer be the banker? Fed. Reserve Bank Boston. New Eng. Farm Finance News 7(10):3-4. Oct.1952. 284.28 N44

19289 DAVIS, I. F., JR., ed. Selected readings in agricultural credit, for use of International Conference on Agricultural and Cooperative Credit, August 4 to September 12, 1952. Berkeley, U. Calif.,1952. 582 p. 284.2 D294

19290 DEUTSCHER RAIFFEISENVERBAND. Jahrbuch, IV. jahrgang 1951. Bonn,1952. 159 p. 284.29 D484
Includes agricultural cooperatives and credit.

19291 KREDITFORENINGEN AF EJERE AF MINDRE EJENDOMME PAA LANDET I ØSTIFTERNE. Beretning og regnskab for 71. regnskabsar, 1. april 1951-31. marts 1952. [Report and accounts of the Smalholders Credit Association in the Island Provinces for the 71st account year, April 1, 1951-March 31, 1952]. København, Aug.29,1952. 30 p. 284.29 R29

19292 LWIN, U. K. M. Credit for cultivators. Burma Com. 3:605,607. Aug.8,1952. 286.8 B923
In the United States.

19293 MARRAMA, V. Agricultural credit in underdeveloped countries. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 1(5):7-11. Sept.1952. 251 F73Mb

19294 PAGANI, L. Credit for agricultural cooperation and cooperative agricultural credit. (In Italian.) Agr delle Venezie 6:449-457. Oct.1952. 16 Ag826

19295 PUTNAM, P. L. Credit. Poultry Indus. [Boston] 58(3):16. Nov.1952. 47.8 N44

19296 ROCCHI, V. M. Social claims of farmers and development of appropriate legislation. (In Italian.) Previdenza Sociale nell'Agr. 3:167-169. July/Aug.1952. 281.8 P92
Credit in Italy.

19297 SCHULZE-HENNE. Die bedeutung des pachtkreditgesetzes für die landwirtschaft. Landwirtbl. Weser-Ems 99:1038-1039. Oct.9,1952. 18 L2345

19298 TORRES FILHO, A. The Bank of Brazil and agricultural credit. (In Portuguese.) Lavoura 56:3-4. July/Aug.1952. 9.2 L39

19299 U. S. FARM CREDIT ADMIN. Highlights and outline of organization from report on Risk problems of production credit associations. Washington,1952. 4 p. 1.949 H53

19300 WAMPLER, C. W. Poultry financing. Va. Poultryman 6(10):71-75. Oct.1952. 47.8 V812

Income

19301 BECKERMAN, A., and HOFFMAN, S. S. The farm market holds strong. Natl. Indus. Conf. Bd. Business Rec. 9:423-426. Nov.1952. 280.9 N216Cb
Farm income and financial position.

19302 BOTTUM, J. C. You, your farm income, and Uncle Sam. Nation's Agr. 27(11):10-13. Dec.1952. 280.82 B89

19303 CENTRAL AFRICAN OFF. OF STATISTICS. The national income and social accounts of Southern Rhodesia, 1946-1951. Salisbury,1952. 39 p. 270 C333
Contains statistics for agricultural income.

19304 CONFERENCE ON THE MEASUREMENT OF COUNTY INCOME. County income estimates for seven Southeastern States, by J. L. Lancaster. Charlottesville, Bur. Pop. & Econ. Res., U. Va.,1952. 246 p. Ref. 284 C7692
Includes farm income.

19305 CORRELL, M. G. Farm incomes and living costs for 320 Kansas Farm and Home Management Association farmilies, 1951; preliminary report. Kans. Agr. Expt. Sta. Rpt. Prog. 10,6 p. In Kans. Agr. Expt. Sta. Agr. Econ. Rpt. 52. 1952. 281.9 K132

19306 JOHNSON, D. G., BLACK, J. D., and SHEPHERD, G. "Are farmers getting too much?"—three replies. Farm Policy Forum 5(11):25-27. Nov.1952. 281.8 F2274
Income.

19307 LANCASTER, J. L. Income payments to individuals in Virginia counties and cities in 1950. Va. U. News Let. 29(6):1. Dec.15,1952. 280.9 V815
Includes farm income.

19308 SHEPHERD, G. What is average "farm" income? Farm Policy Forum 5(11):27-28. Nov.1952. 281.8 F2274

19309 WESTCOTT, E. R., and FALCONER, J. I. Estimated gross cash income to Ohio farmers from the sale of agricultural products and from Government payments, by counties—1951. Ohio. State U. Dept. Agr. Econ.& Rur. Sociol. Mimeog. B. 236,15 p. Nov.1952. 281.9 Oh32

Inflation

19310 BENDER, L. M. Inflation and deflation. S. Dak. State Col. Agr. Ext. C. 482,8 p. May 1952. 275.29 So85

19311 TAYLOR, M. C. Those twin devils—inflation and taxes. Farm Policy Forum 5(11):22-23. Nov.1952. 281.8 F2274

Insurance

19312 ANDRADE, A. Cotton insurance. (In Portuguese.) Soc. Rur. Bras. Rev. 32(380):30-31. Sept.1952. 9.2 B733
With reference to the United States and Brazil.

19313 BACCA, Z. Violations and penalties with regard to unified agricultural contributions. (In Italian.) Previdenza Sociale nell' Agr. 3:63-65. Mar.1952. 281.8 P92
Italy.

19314 BADANO, S. Unified agricultural contributions and "small farmers:" (In Italian.) Previdenza Sociale nell'Agr. 3:143-145. June 1952. 281.8 P92
Italy.

19315 BECKERICH, A. Cotisations aux assurances sociales agricoles: les métayers. Rustica 25:974. Oct. 12,1952. 14 R92
France.

19316 BENVENUTI, G. Accident insurance. (In Italian.) Previdenza Sociale nell'Agr. 3:55-62. Mar. 1952. 281.8 P92
Italy.

317 CANNATA, U. An injustice to remedy; the sion to ex-members of the Confederations from the beginning of the report of employment and in relation to the stipends received. (In Italian.) Rass. dell'Agr. Ital. 7(8):8-10. Aug.1952. 281.8 R18

19318 DRAGO, M. DEL. Variations on the "unified contributions" theme. (In Italian.) Rass. dell'Agr. Ital. 7(9):17-18. Sept.1952. 281.8 R18

19319 FORCE, R. La loi de finances 1952 et le régime de sécurité sociale en agriculture. Rev. de Lég Agr. 5:147-148. Aug./Sept.1952. 281.8 R325
France.

19320 GATTA, C. Economic aspects of social welfare contributions. (In Italian.) Previdenza Sociale nell'Agr. 3:66-67. Mar.1952. 281.8 P92
Italy.

19321 HARVEY, G. R. Social security for farmers? Hoosier Farmer 37(11):44. Nov.1952. 280.82 H76

19322 HYRE, F. M. Mutual insurance blazes its 200th year. News Farmer Coop. 19(8):5-6,13. Nov.1952. 166.2 N47
The Philadelphia Contributionship for the Insurance of Houses from Loss by Fire..

19323 KAIDI, Z. Social insurance in agriculture in Algeria. (Extr.) Trade Unions Internatl. Agr. & Forestry Workers. Inform. B. 3(7/8):8-11. July/Aug. 1952. 283.9 T67

19324 LAUNAY. Une nouvelle formule d'assurances contre l'incendie. Acad. d'Agr. de France. Compt. Rend. 39:482-486. June 25/July 9,1952. 14 P215Bc

19325 REŽNY, V. Fundamentals of agricultural insurance. (In Czech.) Za Socialist. Zeméděl. 2:556-561. May 1952. 19.5 Z1

19326 ROCCHI, V. M. Recent provisions for compulsory sickness, old-age, and survivors' insurance. (In Italian.) Previdenza Sociale nell'Agr. 3:118-121. May 1952. 281.8 P92
Italy.

19327 SKALNYK, H. Zur judikatur in der sozialversicherung. Landarb.-Arch. 7:292-298. (Concl.) Sept.1952. 283.8 L23
Austria.

19328 TÔRRES FILHO, A. Guarantee to rural activity through agricultural insurance. (In Portuguese.) Lavoura 56:45. July/Aug.1952. 9.2 L39
Brazil.

Taxation

19329 ASCHENBRENNER, H. The philosophy of tobacco taxation. II. (In Dutch.) Tabaksplant 79:171. Nov.18,1952. 286.89 T114

19330 BENEKE, R. R. Some effects of income tax regulations on farming efficiency. J. Farm Econ. 34: 520-534. Nov.1952. 280.8 J822

19331 BURNEY, D. W. A sales tax for Nebraska. 1. Yes. Nebr. Farmer. 94(22):10,25. Nov.15,1952. 6 N27

19332 CHILANTI, P. The property tax and returns on land. (In Italian.) Rass. dell'Agr. Ital. 7(9):1-5. Sept.1952. 281.8 R18

19333 DARI, E. M. Causes for complacence and the contrary in the Vanoni exposition on the tax situation. (In Italian.) Rass. dell'Agr. Ital. 7(7):8-10. July 1952. 281.8 R18

19334 DENMAN, D. R. Research into the effects of estate duty. Land Agents' Soc. J. 51:470. Oct.1952. 282.9 L22
Great Britain.

19335 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Farmers' income tax. Rev. ed. London, H. M. Stationery Off.,1952. 19 p. 284.5 G799

19336 HYRE, F. The truth about cooperative taxes. Coop. Digest 13(5a):28-31. Nov.15,1952. 280.28 C7896

19337 INDIA. DEPT. OF FOOD AND AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian land revenue statistics, 1st, 1947/48. Delhi,1952. 89 p. 269.5 F73I

19338 KRIEBER, F. Die einkommensteuerpauschalierung. Bauer 5(34):13-15. Oct.4,1952. 19 B32
Austria.

19339 LEACH, E. S. W. How to plan for maximum tax savings. Calif. Dairyman 32(22):7,10-11. Nov.29, 1952. 44.8 C12

19340 LEIBFRIED, E. Um die§§74 und 75 des lastenausgleichsgesetzes. Bad. Landwirt. Wchnbl. 119: 731-732. Oct.18,1952. 18 B142

19341 MCKELLAR, T. A. Taxation and its effect on production from the farmers' point of view. Lincoln Col. Farmers' Conf. Proc. 1952:61-65. 27 L63
Includes discussion.

19342 MANZINI, P. The tax on consumption of olive oil. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(94):1-2. Nov.8,1952. 281.8 Ag3.

19343 MILLER, J. R. You and your income tax. II. Natl. Grange Mon. 49(11):14,35. Nov.1952. 6 N215

19344 MONATT, S. M. 1953 farmers income tax on 1952 income. Chicago,Com.Clearing House,1952. 175 p. 284.59 M74

19345 MORSE, T. D. You can pay less tax. Farm J. 76(12):37,108. Dec.1952. 6 F2212
Income tax.

19346 PERYMAN, N. M. How to alleviate the high cost of dying. Lincoln Col. Farmers' Conf. Proc. 1952: 66-81. 27 L63
Taxes.

19347 ROWNTREE, N. A. Review of current farm taxation. Lincoln Col. Farmers' Conf. Proc. 1952:46-53. 27 L63

19348 SCHIFFERER, A. Sachverständigengutachten zur frage der steuerlichen behandlung der entenzucht-betriebe. I. Deut. Wirtgeflügelzucht. 5:15-16. Oct.11, 1952. 47.8 D483

19349 STRUTHERS, A. B. Taxation and its effect on production. Lincoln Col. Farmers' Conf. Proc. 1952: 53-60. 27 L63

19350 U. S. BUR. OF AGRICULTURAL ECONOMICS. Taxes levied on farm real estate in 1951. Washington, 1952. 7 p. 1.9 Ec7Farm

19351 VOIGT, S. Die sorgen von marsch und moor. Landwirtbl. Weser-Ems 99:1031-1032. Oct.9,1952. 18 L2345
Taxation.

19352 WESTON, I. W. Farm taxation—theory and practice. (Abs.) Lincoln Col. Farmers' Conf. Proc. 1952:43-46. 27 L63

AGRICULTURAL LABOR AND WAGES

19353 ALEKSANDROV, G. Efficient utilization of the machine-tractor park. (In Russian.) Mashinno-Traktornaîa Sta. 12(5):7-11. May 1952. 58.8 M11
Work management of tractor brigades chiefly.

19354 ALEKSEEV, I. A. At the "Abrau-Dîurso" Sovkhoz. (In Russian.) Vinodel. i Vinograd. 4:48. Apr. 1952. 95.8 V77
Organization of work and wages.

19355 BARTON, R. C. Human side of migrant labor problem. Canner 115(20):19,26. Nov.15,1952. 286.83 C16

19356 BECHARA, M. Labor relations. (In Portuguese.) Colheit. e Mercados 8(7/8):3-6. July/Aug. 1952. 255.3 Sa652

19357 BRUNDAGE, K. P. Suppose you were a hired man! Conn. Agr. Col. Ext. Folder 54,6 p. June 1951. 275.29 C76E

19358 BURÎAK, M. Practices of a collective farm brigadier. (In Russian.) Kolkhoz. Proizvodstvo 12(10): 15-18. Oct.1952. 281.8 K83
Work management.

19359 CHILANTI, P. The Parliamentary inquiry on unemployment; employment and unemployment in agriculture. (In Italian.) Previdenza Sociale nell'Agr. 3: 111-117. May 1952. 281.8 P92
Italy.

19360 GLASOW, W., and MULLER, E. A. Der kraftaufwand beim rübenvereinzeln. Ber. über Landwirt. 30:327-331. 1952. 18 G31

19361 GOCHNOUR, G. R. Farm labor outlook for 1951. Idaho State Hort. Soc. Trans. 1951:12-15. 81 Id12

19362 HEUSER, O. E. Von den kosten der arbeit. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1859-1860. Nov.13,1952. 18 L2346

19363 HOFFER, E. The role of the undesirables. Harper's Mag. 205(1231):79-84. Dec.1952. 110 H23
Migratory workers in transient camps.

19364 INDIA. DEPT. OF FOOD AND AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian agricultural wages statistics, 1st, 1950. Delhi, 1952. 161 p. 269.5 F73Ia

19365 KONDION, A. K. At the "Dzhemet" Sovkhoz. (In Russian.) Vinodel. i Vinograd. 4:46-47. Apr.1952. 95.8 V77

19366 KRBLICH, J. Basis of labor organization in a large cooperative farm. I-III. (In Czech.) Za Socialist. Zemédél. 2:145-152,278-285,380-384. Feb.-Apr.1952. 19.5 Z1
Czechoslovakia.

19367 LANDOVSKY, F., and BOUSEK, J. Organizing labor for vegetable culture on the individual agricultural cooperatives and on Czech Government estates. (In Czech.) Za Socialist. Zemedel. 2:393-397. Apr.1952. 19.5 Z1

19368 LASNET DE LANTY, H. Qui doit donner les soins aux vaches laitières? Rustica 25:955. Oct.5,1952. 14 R92

19369 MOORAHREND! Gedanken zu einem heuerlingsgesetz. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1864. Nov.13,1952. 18 L2346

19370 MOTHERAL, J. R., METZLER, W. H., and DUCOFF, L. J. Labor turnover in cotton production. Texas High Plains, 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1506,4 p. Nov.13,1952. 100 T31P

19371 NICHOLLS, W. H. Multiple-unit operations and gross labor productivity within the old Cotton Belt. J. Farm Econ. 34:463-481. Nov.1952. 280.8 J822

19372 NORWAY. STATISTISK SENTRALBYRÅ. Lønnsstatistikk,1950. Statistique sur les salaries. Oslo, 1952. 248 p. 257.2 St2Lo
Includes farm and forest labor.
Table of contents also in French.

19373 NOVESKI, R. Organization of work on the cow farm—Skopje. (In Serbo-Croatian.) Socijalisticko Zemjodelstvo 4(5):43-50. May 1952. 280.28 So7

19374 ORTHO, G. D. Main-d'oeuvre agricole; salaires et sécurité sociale. Rev. Agr. de l'Afrique du Nord 50:636-637. Oct.3,1952. 80 R326

19375 POPE, A. L. Do sheep take too much work? Sheepman 23:268. Dec.1952. 45.8 Sh32

19376 PREUSCHEN, G. Arbeitsersparnis durch silofutterbereitung. Deut. Landwirt.-Gesell. Mitt. 67: 756-758. Oct.16,1952. 18 N39

19377 PREUSCHEN, G. Weniger arbeit in der viehaltung. Landwirt. Wchnbl. 142:1336-1337. Nov.22, 1952. 18 L2338

19378 PRICE, O. T. W. A review of labour economy in machine-milking in England and Wales. Farm Econ. 7:61-66. 1952. 281.8 F223

19379 PRIEBE, H., and KÜNDIGER, K. Der arbeitskräftebesatz der deutschen landwirtschaft. Agrarwirtschaft 1:269-272. Oct.1952. 281.8 Ag826

19380 RATCHFORD, C. B. The farm labor shortage. Carolina Co-op. 30(12):9,24. Dec.1952. 72.8 N81

19381 REMPT, J. D. In Australia agricultural workers never have to be unemployed. (In Dutch.) Plattelands-Post 8(41):3. Oct.16,1952. 12 P69

19382 ROCHA, M. Aspects of native labor in the colonies. (In Portuguese.) Agros [Lisboa] 35:250-262. July/Oct.1952. 15.5 Ag82
Chiefly Angola and Mozambique.

19383 ROS MARINÉ, M. La cuestion social en el campo; salarios base para las labores agrícolas de carácter fijo a efectos de accidentes de trabajo. Cám. Ofic. Sind. Agr. de Barcelona. B. 6:286. Dec.1951. 15 C14
Spain.

19384 ROWE, A. J. Camera eye aids crew time study. West. Grower & Shipper 23(12):130-131. Nov. 1952. 280.38 W52

19385 SCHUMACHER. Betriebsverfassungsgesetz; in welchen betrieben sind betriebsräte zu errichten. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1899-1900. Nov.20,1952. 18 L2346
Labor relations.

19386 SIBIRTSEV, F. I. Accomplishments of the feed production brigade of Pobeda Kolkhoz [in Orgeevskiĭ Raion, Moldovian SSR] (In Russian.) Sotsialist. Zhivotnovod. 14(5):15-18. May 1952. 49 So71
Work management chiefly.

19387 SMITH, L. P. F. Productivity of labour. Agr. Ireland 9:245,247. Nov.1952. 10.5 Ag8

19388 STANLEY, D. Major issues battled. West. Grower & Shipper 23(12):56-58. Nov.1952. 280.38 W52
Problem of farm labor imports.

19389 TORREIRO, R. Héroes anónimos de la ganadería argentina. Pampa Argentina 25(290):16,27. Feb.1952. 9 P19
Labor.

19390 TURNER, R. Farm work simplification—some thoughts on a visit to the United States. Scot. Agr. 32:101-104. Autumn 1952. 10 Sco82So

19391 WILLMANN, O. Wie sparen wir arbeit im stall? Bauern-Ztg. 5(41):5. Oct.10,1952. 18 B324

19392 WULF-DIETER-ERNET. Entwicklung des deutschen landarbeiterstandes. Säemann 3:21,27. Mar.25-Apr.8,1952. 18 Sa4

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

19393 ACEVEDO LATORRE, E. Síntesis geo-económica del Departamento de Córdoba. An. de Econ. y Estadís. (ser.3)8(74):21-41. Apr./June 1952. 255.5 An1
Includes agriculture.

19394 ADAM, SIR R. The Danish-Orcadian Conference, Kirkwall, 1952. Brit. Agr. B. 5:242-246. Nov.1952. 10 B776
Theme of the conference, the problem of living on the land.

19395 ALTON, W. H. Lessons from China. Hearth & Farm 6:191,194. Spring 1952. 10 B47
Includes problems in agriculture.

19396 ASSOCIAZIONE PER LO SVILUPPO DELL'INDUSTRIA NEL MEZZOGIORNO. Relazione del consiglio di amministrazione al bilancio 1951 [Report of the Administrative Council on the 1951 balance]. Roma, 1952. 85 p. 280.9 As73R

19397 ÅSTRAND, H. Agriculture today. (In Swedish.) Lantbrtidskr. f. Dalarna 5/6:196-202. Oct./Dec.1951. 11 L29

19398 ÅSTRAND, H. Current problems in farming. (In Swedish.) Tidskr. f. Hushsällsk. och Skogsvårdsstyr. i Gävleborgs Län 27:150-155. 1951. 11 T434

19399 ÅSTRAND, H. A model that does not entirely face reality; agricultural policy in the United States. (In Swedish.) Lantmannen 36:879-883. Nov.1,1952. 11 L234

19400 AUSTRALIA. DEPT. OF TERRITORIES. Territory of Papua, annual report for the period 1st July, 1950, to 30th June, 1951. Canberra,1951. 130 p. 23 N45
Includes agriculture.

19401 AZEVEDO, A. S., D'. Affairs on Ilha das Flores. (In Portuguese.) Granja [Lisboa] 11:226-228. Oct./Dec.1952. 15.5 G76
Agriculture.

19402 BARBUT, M. L'agriculture au Fezzan. Soc. des Agr. d'Algerie. B. 96:152-162. 1951/52. 24 So1

19403 BELSHAW, J. P. Crisis in farm production in Australia. J. Farm Econ. 34:497-508. Nov.1952. 280.8 J822

19404 BERRY, T. F. Your dollars in Europe. Natl. Grange Mon. 49(11):16-17,25,37. (Concl.) Nov.1952. 6 N215
What is happening to European agriculture.

19405 BERTHAULT, P. L'augmentation de la production agricole en Afrique du Nord et le problème démographique. Rev. Agr. de l'Afrique du Nord 50:553-556. Sept.5,1952. 80 R326

19406 BERTHAULT, P. La situation agricole et les problèmes de l'heure. Rev. Agr. de l'Afrique du Nord 50:581-583. Sept.19,1952. 80 R326

19407 BILLARD, J. J. El plan económico para 1952 y el crédito como agente de racionalización de la producción agraria. Buenos Aires. U. Facul. de Agron. y Vet. B. 31,14 p. 1952. 9 B8634
English summary.

19408 BLUMENFELD, A. Aus der tätigkeit des Europäischen Wirtschaftsrates Paris (OEEC) auf dem gebiete der ernährung und landwirtschaft. Ber. über Landwirt. 30:385-390. 1952. 18 G31

19409 BOMBAY. DIRECTORATE OF PUBLICITY. Helping you grow more food. Ed. 2, rev. Bombay,1951. 24 p. 281.182 B632H
Agricultural policy.

19410 BOND, M. C., and others. 1953 New York economic handbook; agricultural outlook. N. Y. Agr. Col. A. E. 842,61 p. Dec.1952. 281.9 C81
L. C. Cunningham, L. H. Davis, B. A. Dominick, W. Earle, J. L. McGurk, and R. P. Story, joint authors.

19411 BRINCKMAN, W. Agricultural situation in the Schuman plan countries and Denmark. (In Flemish.) Agricultura [Louvain] 50:49-65. Sept.1952. 13 R32
French summary.

19412 BUTZ, E. L. The outlook for agriculture. (Excerpts.) Assoc. Messenger 7(4):1. Oct.1952. 284.28 As72

19413 CALDAS, E. DE C. Agricultural problems in the national development program. (In Portuguese.) Agros [Lisboa] 35:177-196. July/Oct.1952. 15.5 Ag82
Portugal.

19414 CALZECCHI-ONESTI, A. Food problem and productivity competition. (In Italian.) Italia Agr. 89: 639-641. Oct.1952. 16 It1

19415 CAO, I. B. Agricultural crops and industries of Albay. Agr. & Indus. Life 14(9):12,47. Sept.1952. 25 Ag8

19416 CARULLO, F. Essential characteristics of Law No. 991 of 25-7-1952 putting into effect "Provisions in favor of mountain territories" and its application in the Emilian-Romagnolo Appennines. (In Italian.) Mercanzia 7(8/9):5-11. Aug./Sept.1952. 287 B635

19417 CASAS TORRES, J. M. La vida humana en los Monegros. (Sum.) In Sociedad Economica Aragonesa de Amigos del Pais. Los Monegros, p.23-26. Zaragoza, 1951. 33.23 So1
Agricultural policy.

19418 CERVI, B. Es bueno y util conocer lo que hizo Italia para producir mas. Mundo Agr. 4(40):20-21. Sept.1952. 9 M92

19419 CEYLON. GOVERNMENT. Annual report to the Food and Agriculture Organization of the United Nations for 1951. Colombo,1951. 35 p. 22 C3343

19420 CHAMBLISS, R. L., JR. An agricultural policy for the United States. Va. Agr. Col. Ext. Va. Farm Econ. 132:10-15. Aug.1952. 275.29 V813

19421 CLEMENT, J. La reconstruction agricole en Alsace. Bas-Rhin Agr. 7:480-481. Oct.11,1952. 14 B29

19422 COANET, E. Compte-rendu du 3e congrès de la C.E.A. (Venise 23 au 30 septembre 1951); notes sur l'agriculture en Vénétie. Tunisie Agr. 53:15-26. Feb.1952. 24 T832

19423 CONGRESO NACIONAL DE INGENIEROS AGRONOMOS, 2, LIMA, 1952. Trabajo. Vida Agr. [Lima] 29:683-685,687-698. Aug.1952. 9.6 V66

19424 CONSERVATIVE AND UNIONIST PARTY ORGANISATION. Agriculture and food. London,1952. (Notes on Current Politics, 1952, No.11) 281.171 C76Ag

19425 COOMARASWAMY, R. The Columbo Plan for south and southeast Asia. Vital Speeches 19:106-107. Dec.1,1952. 280.8 V83
Agricultural.

19426 DANN, A. C. Free trade unions and the "Green Pool." Land Worker 33(402):6. Nov.1952. 283.8 L22

19427 DAY, J. W. The new yeomen of England. London,Harrap,1952. 192 p. 32 D33N

19428 DEVRIES, E. Agricultural production in south and south east Asia. Reserve Bank India B. 6:714-721. Sept.1952. 284.9 R31B

19429 DIXIT, P. B. The need of planned cropping and its scope in Madhya Pradesh. III. Nagpur Agr. Col. Mag. 26:8-14. 1951/52. 107.5 N132

19430 DURRWAECHTER. Eine tierzüchterische studienreise nach Holland. Landwirt. Wchnbl. 142: 1280. (Concl.) Nov.8,1952. 18 L2338
Observations on agriculture.

19431 DURTSCHI, E. Die wirtschaftlichen bestimmungen im entwurf zu einem neuen landwirtschaftsgesetz (nach den beratungen im Ständerat). Brugg, Effingerhoff,1951. 24 p. 30.5 D93W

19432 ELZALAKI, M. M. Foreign invasion or domination of Egypt in relation to its agricultural economic structure. Caire,Université Fouad I,1951. 29 p. 281.192 EL9

19433 ENCICLOPEDIA agraria italiana, v. 1. Roma, Ramo Editoriale degli Agricoltori,1952. 1166 p. 30.1 En16

19434 FANFANI, A. Agrarian policy and land reform in Italy. Statist 156(3894,sup.):42-44. Oct.25, 1952. 286.8 St2

19435 FARIAS, R. DE. Egypt. (In Portuguese.) Pernambuco. Sec. de Agr., Indús. e Com. B. 19:123-142. Jan./June 1952. 9.2 P423
Touches upon agricultural subjects.

19436 FARMERS' CONFERENCE, CANTERBURY AGRICULTURE COLLEGE. Proceedings 1952. Christchurch,1952. 112 p. 27 L63

19437 FEDERAU, F. Die erste periode des Fünfjahrplanes der Sowjetischen Besatzungszone. Deut. Inst. f. Wirtforsch. Vrtljahrh. z. Wirtforsch. 3:240-271. 1952. 280.9 B452
Includes agriculture.

19438 FINLAND to-day [with] Appendix: A summary of Kalevala. Porvoo,Söderström,1951. 111 p. 126 F49
Contains sections on agriculture and forestry.

19439 FITZGERALD, D. A. Looking ahead for Mutual Security. Washington,U. S. Bur. Agr. Econ.,1952. 9 p. 1.9423 A2F57
Remarks before the Agricultural Outlook Conference Dinner, Oct. 22, 1952, Washington, D. C., on the agricultural situation in Europe, and effect of the European program on American agriculture.

19440 FLORENCE. ISTITUTO AGRONOMICO PER L'AFRICA ITALIANA. Contributo ad una bibliografia italiana sull'Etiopia, 1935-1950; agricoltura e argomenti affini [Contribution to an Italian bibliography on Ethiopia, 1935-1950; agriculture and related subjects]. Firenze, 1951,i.e.,1952. 129 p. 241 F66C

19441 FLORENSA Y FARRÉ, M. Estado actual y porvenir de la agricultura en Los Monegros. In Sociedad Económica Aragonesa de Amigos del Pais. Los Monegros, p.13-19. Zaragoza,1951. 33.23 So1

19442 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Annuaire international de législation agricole XXXIIIème-XXXVème années 1943-1945. Rome,1952. 974 p. 30.5 In82

19443 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The state of food and agriculture: review and outlook 1952. Rome,1952. 126 p. 389.9 F735St

19444 GHENT. INTERNATIONAL FAIR. Annuaire colonial, 1st, 1951. Gand, Belgique,1951. 71 p. 280.9 G34
Includes agriculture in the Belgian Congo.

19445 GOIDANICH, G. Development of Turkish agriculture. (In Italian.) Gior. di Agr. 62:317. Oct.19, 1952. 16 It1G

19446 GT. BRIT. AGRICULTURAL LAND COMMISSION. Swaffham Prior and Burwell Fens investigation report. London,H. M. Stationery Off.,1952. 14 p. 32 G7933S

19447 GT. BRIT. LAWS, STATUTES, ETC. Colonial development and welfare acts; return of schemes made under the Colonial Development and Welfare Acts by the Secretary of State for the Colonies, with the concurrence of the Treasury in the period from 1st April, to 31st March, 1951. London,1951. 54 p. 282.29 G792
Includes agricultural programs.

19448 GUAITA, A. Verona, center of agricultural initiative of European importance. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):223-230. 1952. 388 C765Re

19449 HASHEM, Z. Industrialization and the decline of agriculture in under-developed countries. Egypte Contemp. 43(269):1-25. July 1952. 270 Eg95

19450 HESSE. LANDWIRTSCHAFTLICHER BERATUNGSDIENST. Bericht über eine reise in die Schweiz zum studium der landwirtschaftlichen verhältnisse. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Schrreihe. des AID 10;9-41. 1951? 18 G312S

19451 HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 216,6 p.-folder. Sept.24,1952. 275.29 W27C

19452 HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 217,6 p.-folder. Oct.21,1952. 275.29 W27C

19453 ITALY. COMITATE INTERMINISTERIALE PER LA RICOSTRUZIONE. Lo sviluppo dell'economia italiana nel quadro della ricostruzione e della cooperazione europea [Development of the Italian economy within the framework of European reconstruction and cooperation]. Roma,Istituto Poligrafico dello Stato,1952. 413 p. 280.176 Sv3
Includes agriculture.

19454 ITZEROTT, A. What about some action? Rur. Life, Aug.1952:5. 281.28 R884
Australian agricultural policy.

19455 IVANOVA, N. L., ed. Za vysokiĭ urozhai [Toward high yields of crops]. Rostov,Rostovskoe Obl. Knigoizd-vo,1952. 15 p. (Bibliotechka Kolkhoznika) 33.31 Iv13
Addresses from a conference.

19456 KAPELINSKIĬ, IU. Achievements in the development of agriculture in China. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(9):50-57. Sept.1952. 281.8 So73

19457 KARPOFF, E. Agricultural outlook for '53. Better Farming Methods 24(12):11-13. Dec.1952. 58.8 B46

19458 KAS, V. A few impressions gained by delegates to the NDG. (In Czech.) Za Socialist. Zemedel. 2:871-874. Aug.1952. 19.5 Z1
Conference at Berlin.

19459 KELLOGG, C. E. Using our soils for freedom. (Condensed.) Farm Policy Forum 5(11):8-11. Nov.1952. 281.8 F2274
Agricultural policy.

19460 KNUDSEN, A. F. Current agricultural problems in Canada. (In Danish.) Denmark. Landbrraadet. Meddel. 46:827-828. Nov.13,1952. 11 D415L

19461 KRAMER. Die deutsche landwirtschaft in Ost und West. Agrarwirtschaft 1:277-283. Oct.1952. 281.8 Ag826

19462 LAGOS, J. A. Región agrícola de Peñas Blancas de Esparta. Agr. Costarricense 10:227-229. Oct.1952. 8 Ag895

19463 LIBERIA. DEPT. OF STATE. BUR. OF INFORMATION. Liberia. Monrovia,1952. 48 p. 127 L612
Includes agriculture.

19464 LIMA, M. C. DE A. Aspects of American agriculture in the East and in the Tennessee Valley. (In Portuguese.) Pernambuco. Sec. de Agr., Indús. e Com. B. 19:86-107. Jan./June 1952. 9.2 P423

19465 LOMMEZ, J. La politique agricole en Grande-Bretagne. Rev. de l'Agr. 5:1080-1092. Ref. Oct.1952. 13 R322

19466 MALMTORP, I. Recent literature on Danish agriculture in foreign languages. Copenhagen,Bibliotek, Veterinaer og Landbohøjskole,1952. 16 p. 241 M29

19467 MARION, A. Quelques aspects de la situation presente. Terre de Chez Nous 24(35):5. Oct.22,1952. 7 T27
Quebec agriculture.

19468 MASLENNIKOV, V. Two years of the Chinese Peoples Republic. (In Czech.) Za Socialist. Zemedel. 2: 227-230. Feb.1952. 19.5 Z1
Agricultural.

19469 MAURITIUS. ECONOMIC COMMISSION. Progress report on the recommendations, 1947/48, 2d. Port Louis,1951. 9 p. 281.9 M44
Includes agriculture.

19470 MENCHARI, S. E. Les différentes questions concernant l'agriculture en Tunisie. Ecole Colon. d'Agr. de Tunis. Assoc. Amicale des Anciens Elèves. B. Period. 135:28-31. July/Aug.1952. 24 T833B

19471 MINNESOTA. UNIVERSITY. DEPT. OF AGRICULTURE. Facts about Minnesota agriculture and the University of Minnesota Department of Agriculture. St. Paul?1951? 16 p. 31.3 M662

19472 MISSION TO CEYLON. The economic development of Ceylon. Report of a mission. [Preliminary.] Baltimore,Internatl. Bank Reconstr. & Devlpmt.,1952. 131 p. 280.182 M69

19473 MISSION TO IRAQ. The economic development of Iraq; report of a mission. Baltimore,Internatl. Bank Reconstr. and Devlpmt.,1952. 463 p. 280.185 M69
Includes agriculture.

19474 MISSION TO SURINAM. Surinam, recommendations for a ten year development program; report of a mission. Baltimore,Internatl. Bank Reconstr. and Devlpmt.,1952. 271 p. 280.166 M69
Appendix includes agriculture and forestry.

19475 MOSTYN, E. H. Court proceedings on agricultural matters. Land Agents' Soc. J. 51:465-467. Oct.1952. 282.9 L22
Great Britain.

19476 MUNRO, H. C. More food from our own soil. Rur. Econ. 20(7):4. Sept.1952. 281.28 R8842
Great Britain.

19477 NATIONAL CONFERENCE ON INTERNATIONAL ECONOMIC AND SOCIAL DEVELOPMENT. Report, 1st, 1952. Washington,1952. 198 p. 280.9 N2199
Technical assistance program, including agricultural policy.

19478 NAUMOVSKI, N. Basic characteristics of the State plan for 1952 in agriculture. (In Serbo-Croatian.) Socijalističko Zemjodelstvo 4(5):1-4. May 1952. 280.28 So7
Yugoslavia.

19479 NOURSE, E. G. Agricultural policy—farmers' fight or farmers' service? Va. Agr. Col. Ext. Va. Farm Econ. 132:2. Aug.1952. 275.29 V813

19480 PALMER, S. Intensivierung der landwirtschaft und ansiedlungsmöglichkeiten in Chile. Ber. über Landwirt. 30:400-403. 1952. 18 G31

19481 PAPI, G. U. Le développement de l'agriculture est la condition indeclinable du développement économique. Cong. Internaz. Indus. Agr. Relaz. 9(1): 117-126. 1952. 388 C765Re
English summary.

19482 PASQUINI. The problems of the mountain. (In Italian.) Cam. di Com. Indus. e Agr. Perugia. B. Mens. (n.s.)64(7):1-2. July 1952. 287 P43
Agricultural.

19483 PEHRSON, J. Agriculture in Gagnef. (In Swedish.) Lantbrtidskr. f. Dalarna 4:118-137. Aug.1952. 11 L29

19484 PINSTRUP, H. Agriculture 1951-52. (In Danish.) Jydsk Landbr. 34:681-697. Oct.9,1952. 11 J99

19485 PIZZIGALLO, V. Technical, economic, and social advantages of Law No. 991 of July 25, 1952, putting into effect provisions in favor of mountain territories. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 7(19):1-7. Oct.1,1952. 287 V662
Italy.

19486 PLATZER, F. Aspetti e problemi dell'agricoltura siciliana [Aspects and problems of Sicilian agriculture]. Palermo,Ires,1951. 52 p. 281.176 P69

19487 POSTEL. L'Espagne agricole. France. Min. de l'Agr. Rev. Etudes & Monog. 75:197-201,203. Oct. 1952. 281.8 F84

19488 POZZO ARDIZZI, L. La agricultura en Suiza. Pampa Argentina 25(290):17,36. Feb.1952. 9 P19

19489 RAUPP, J. Das Schweizer Landwirtschaftsgesetz. Ber. über Landwirt. 30:395-400. 1952. 18 G31

19490 ROBB, C. J. Korean agriculture. Hearth & Farm 6:204-205. Spring 1952. 10 B47

19491 ROY, S. K. Agriculture in Denmark, a brief survey. Bihar Agr. Col. Mag. 3:11-15. Feb.1952. 107.5 B482

19492 RUSSELL, SIR J. Possibilities of raising food production in India. Nagpur Agr. Col. Mag. 26:6-7. 1951/52. 107.5 N132

19493 SABEN'S commercial directory & handbook of Uganda, 1950-51. Kampala,Saben,1951? 368 p. 225 Sa1
Includes agricultural data.

19494 SHERMAN, C. Mountain writers & writings: 1949-52. Mountain Life & Work 28(2):30-32. Spring 1952. 281.28 M86

19495 SIMONS. Zum aufbaugesetz. Landwirt. Z. der Nord-Rheinprov. 119:1105-1106. Oct.11,1952. 18 L2344

19496 SMITH, C. N. Point Four and American agriculture. Va. Agr. Col. Ext. Va. Farm Econ. 132:16-22, 29. Aug.1952. 275.29 V813

19497 SOCIEDAD ECONÓMICA ARAGONESA DE AMIGOS DEL PAIS. Los Monegros; curso de conferencias, diciembre 1950 - enero 1951. Zaragoza,1951. 111 p. 33.23 So1
Agricultural.

19498 SPAIN. MINISTERIO DE AGRICULTURA. España, país agrícola, ganadero y forestal. Madrid,1951. various pagings. 281.176 Sp1E

19499 STEWART, M. T. Progress on the land; with 62 per cent of its people engaged in agriculture, and with the population growing rapidly, the Government is trying to step up food production. Foreign Trade 12(308): 8-10. Nov.22,1952. 286.8 C162
Mexico.

19500 SUDAN GEZIRA BOARD. First annual statement of accounts for the year ended 30th June, 1951. Barakat, Sudan,1952. 23 p. 24 Su27A

19501 THE TENNESSEE story. Mfr. Rec. 121(11): 73-120. Nov.1952. 297.8 M31
Includes agriculture.

19502 TORSELL, R. Agriculture in Dalarna. (In Swedish.) Lantbrtidskr. f. Dalarna 5/6:154-167. Oct./Dec.1952. 11 L29

19503 TRON. L'agriculture dans le Caidat de Mateur. B. Econ. et Social de la Tunisie 69:17-22. Oct. 1952. 280.8 B874

19504 TRUJILLO, M. S. Tierra en la República Sonora. 1. El imperio del Noroeste. Tierra [México] 7:472. July 1952. 8 T445
Agriculture included.

19505 TRUMPER, R. W. Review of the Agriculture Acts, 1947-8. Farmers' Club J. 6:89-106. 1952. 10 L84
Includes discussion.

19506 TURNER, N. Agriculture and life in Britain today. Conn. Veg. Growers' Assoc. Proc. 39:37-43. 1952. 75.9 C76

19507 U. S. BUR. OF AGRICULTURAL ECONOMICS. Agricultural outlook charts, 1953. Washington,1952. 76 p. 1.9 Ec7AgrCh

19508 U. S. DEPT. OF AGRICULTURE. FAMILY FARM POLICY REVIEW SUBCOMMITTEE. Summary of the Family Farm Policy Review. Washington,1952. 16 p. 1.90 C2F212

19509 U. S. DEPT. OF STATE. Technical cooperation; cooperative program of agriculture and livestock; agreement between the United States of America and Chile, signed at Santiago January 16, 1951, entered into force January 16, 1951. U. S. Dept. State. Treaties & other Internatl. Acts Ser. 2430,14 p. 1952. 150 T71T

19510 U. S. DEPT. OF STATE. DIV. OF INTERNATIONAL CONFERENCES. Participation of the United States Government in international conferences, July 1, 1950—June 30, 1951. Washington,1952. 317 p. 150 In822
Includes agricultural conferences.

19511 U. S. PRODUCTION AND MARKETING ADMIN. Agricultural Conservation Program; summaries by States, 1951. Washington,1952. 55 p. 1.956 F45Ag82

19512 WAHLEN, F. T., and FAUNCE, A. D. FAO's participation in the program of technical assistance of the United Nations and its importance in the development of agriculture and agricultural industries in underdeveloped countries. Cong. Internaz. Indus. Agr. Relaz. 9(1):167-178. 1952. 388 C765Re

19513 WALLIN, B. Traveling in Norrland. (In Swedish.) Beten-Vallar-Mossar 4:99-107. Oct.1952. 11 B46
Agriculture.

19514 WITTENBURG, L. Bericht über eine reise nach Dänemark zum studium der landwirtschaftlichen verhältnisse in den dänischen grenzgebieten. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst, Schrreihe. des AID 10:1-7. 1951? 18 G312S

19515 ZATTA, P. L. Provisions for land improvement operations, for the development of the Italian economy, and appeal of the Minister of Agriculture for increases in production. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 7(19):9-10. Oct.1, 1952. 287 V662
Italy.

Subsidies

19516 PERGOLESI, A. On the subject of payments to deserving farmers. (In Italian.) Rass. dell'Agr. Ital. 7(8):4-7. Aug.1952. 281.8 R18

COST AND STANDARD OF LIVING

19517 LONGSDORF, L. L. Farm and family living balanced before your eyes. Ext. Serv. Rev. 23:171,183. Oct.1952. 1 Ex892Ex

19518 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Rural family living charts. Washington, 1952. 78 p. 1.9 Ec7Ofa; also 1.982 E2W276

FARM MANAGEMENT AND LAND ECONOMICS

19519 AARDEN, P. M. A. M. The small farmer problem in the Province of Zeeland. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:281-283. Aug.1952. 12 N383M

19520 BLAZHEVSKI, J. Reorganization of passive cooperatives in Macedonian Peoples Republic. (In Serbo-Croatian.) Socijalisticko Zemjodelstvo 4(5):5-11. May 1952. 280.28 So7

19521 BROWNE, E. S. The "B" farmer—who and what is he? and what are his possibilities? Gt. Brit. Min Agr. Agriculture 59:359-362. Nov.1952. 10 G79J

19522 BUCKPITT, W. A. Farm planning. Scot. Agr. 32:74-78. Autumn 1952. 10 Sco82So

19523 BURTIN, J. Une planche de salut pour les petites exploitations familiales: les sociétés agricoles. Mon Village 96:19. Oct.1952. 14 M743
Cooperative farming.

19524 CANADA. MARKETING SERV. ECONOMICS DIV. The establishment of economic farm units in northwestern Saskatchewan with particular reference to low-productivity land, by M. Ragush. Ottawa,1952. 53 p. 281.137 C162E

19525 CASTILLO G., N., CRUZ, A., and BERRIOS MENDOZA, A. Informe sobre posibilidades de recuperación agrícola-económica de la finca "San Jerónimo," Baja Verapaz, para ponerla en condiciones óptimas de producción, desde el punto de vista económico-social. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(9):44-53. June 1952. 8 G937M
Guatemala.

19526 CLAWSON, M. Public land management in the United States. Conf. World Land Tenure Prob. Proc. 1951(3):154-183. Ref. 1952. 282.9 C762

19527 DOMORÁZEK, P. Extensive incorporation of the scientific achievements in agriculture into the practice of the individual agricultural cooperatives. (In Czech.) Za Socialist. Zemědél. 1,i.e.2:20-28. Jan.1952. 19.5 Z1
Czechoslovakia.

19528 DOMORÁZEK, P. On the way to cooperation. (In Czech.) Za Socialist. Zemědél. 2:621-634. June 1952. 19.5 Z1
Czechoslovakia.

19529 ENGELMANN, H. Intensiv oder extensiv ist hier die frage! Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1786-1787. Oct.30,1952. 18 L2346

19530 FOLLETT, R. H., and SITTERLEY, J. H. Some effects of the introduction of the four-year soil-conserving cropping system on the organization and income of selected farms in southwestern Ohio. Ohio. State U. Dept. Agr. Econ. & Rural. Sociol. Mimeog. B. 235,32 p. Aug.1952. 281.9 Oh32

19531 FOLTYN, J. New agricultural technique on the fields of the ESK [Individual Agricultural Cooperatives] and Czech State farms. (In Czech.) Za Socialist. Zemědél. 2:869-871. Aug.1952. 19.5 Z1

19532 FRANKEN. Das land als planungspartner. ALB Mitt. 3:30,39-40. May 1952. 296.8 Ar1
Germany.

19533 GAUDENTI, A. C. The refusal block. (In Italian.) Gior. di Agr. 62:333-334. Nov.2,1952. 16 It1G
Italian share farming.

19534 GHAVAM, M. R. The management of public lands in Iran. Conf. World Land Tenure Prob. Proc. 1951(3):138. 1952. 282.9 C762

19535 GRIFFING, J. B. Follies of today. (In Portuguese.) Colheit. e Mercados 8(7/8):15-18. July/Aug. 1952. 255.3 Sa652
Farm methods that have proved valuable in spite of early opposition.

19536 HARDY, C. S. Intensive grassland farming compared with arable-cum-grassland. (A). Lincoln Farmers' Conf. Proc. 1952:35-38. 27 L63
Includes discussion.

19537 HARE, H. K. Italy's farms need conservation. Family Herald & Wk. Star 83(41):3,12. Oct.9,1952. 7 F21

19538 HARRACH, GRAF. Viehlos wirtschaften--dieses mal in Frankreich. Übersicht 3(7):36-38. July 1952. 18 Ub3

19539 HEADY, E. O. Diversification in resource allocation and minimization of income variability. J. Farm Econ. 34:482-496. Nov.1952. 280.8 J822

19540 HENDERSON, A. Intensive grassland farming compared with arable-cum-grassland. (B). Lincoln Col. Farmers' Conf. Proc. 1952:38-42. 27 L63
Includes discussion.

19541 HENDRIE, D. S. New Zealand farming; a bird's eye view. Gt. Brit. Min. Agr. Agriculture 59:324-332. Oct.1952. 10 G79J

19542 HEUSER, O. E., and OLSEN, K. H. Die hofgestaltung landwirtschaftlicher betriebe nach arbeitswirtschaftlichen gesichtspunkten. Forschanst. f. Landwirt. Schrreihe. 4,127 p. 1951. 105.8 B832

19543 HODGES, J. A., and others. 1951 farm management summary and analysis report by type of farming area. Kans. Agr. Expt. Sta. Agr. Econ. Rpt. 52,92 p. 1952. 281.9 K132
E. Castle, C. F. Bortfeld, D. A. Knight, H. C. Love, and J. H. Coolidge, joint authors.

19544 JAMAICA AGRICULTURAL SOCIETY. What to do now; let each one play his part. Kingston,1951. 8 p. (J.A.S. Action Plan) 31.7 J22
Farming methods.

19545 JANÉR, C. O. People are the central point for the Agricultural Institute in Gävleborg Province. (In Swedish.) Lantmannen 36:857-860. Oct.25,1952. 11 L234
Farming problems.

19546 JENKINS, W. A. Keeping the farm in the family. Macdonald Farm J. 13:2-4. Sept.1952. 101 M144
Father-son business agreement.

19547 KOLAŘIK, J. Machine tractor stations concluded agreements with the ESK [individual agricultural cooperatives]. (In Czech.) Za Socialist. Zemědél. 2: 672-676. June 1952. 19.5 Z1
Czechoslovakia.

19548 KOLAŘÍK, J. The two best individual agricultural cooperatives. (In Czech.) Za Socialist. Zemědél. 2:826-833. July 1952. 19.5 Z1
Czechoslovakia.

19549 LE RICHE, J. E. The management of public lands in Libya. Conf. World Land Tenure Prob. Proc. 1951(3):148. 1952. 282.9 C762

19550 LUPAČ, J. Party and administration decree for strengthening and further development of the ESK [individual agricultural cooperatives]. (In Czech.) Za Socialist. Zemědél. 2:745-747. July 1952. 19.5 Z1
Czechoslovakia.

19551 MCCORKLE, C. O., JR., and HEDGES, T. R. Northern Kern County cotton-potato farms. 1. Organization, inputs, and costs. Giannini Found. Agr. Econ. Mimeog. Rpt. 137,89 p. Oct.1952. 281.9 G34M

19552 MEIJER, A. How poorly managed farms can be improved. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:352-355. Sept.1952. 12 N383M

19553 MEIMBERG, P. Die landbaugebiete Hessens; untersuchung über die betriebssysteme der hessischen landwirtschaft. Frankfurt a.M.,1951. 160 p. (Schriften des Hessischen Bauernverbandes) 281.175 M473

19554 MENON, M. S. Cooperative farming in India. Conf. World Land Tenure Prob. Proc. 1951(3):116-121. 1952. 282.9 C762

19555 METCALF, J. E. Decline of plantation agriculture in Indonesia. World Crops 4:410-412. Dec.1952. 281.8 W892

19556 MIKHAILOV, P. N. To fulfill the production plan in all branches [of state farms]. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):39 44. Mar./Apr. 1952. 49 K14

19557 MOTHERAL, J. R., and AULL, G. H. Is the small farm doomed? Farm & Ranch—South.Agr. Upper So. Ed. 82(11):14,45. Nov.1952. 6 T31

19558 NARBUT, P. Use of the technique of the MTS [Machine Tractor Station] in the U.S.S.R. (In Czech.) Za Socialist. Zemedel. 1,i.e.2:34-38. Jan.1952. 19.5 Z1

19559 NICHOLS, M. Young farmers, their problems, activities, and educational program. Danville, Ill.,1952. 499 p. 281.2 N513
Includes the Young Farmer Associations.

19560 O'CONNOR, R. How to make your farm pay. Agr. Ireland 9:257,259-261,263. (Cont.) Nov.1952. 10.5 Ag8

19561 OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1952 farm efficiency; how to get it! Ohio. Agr. Col. Ext. L. L-9,8 p.-folder. Feb.1952. 275.29 Oh32EL

19562 PATTJE, D. J. Farming plan in fen colonies. (In Dutch.) Landbouwberichten 7:175. Oct.9,1952. 12 L236
Netherlands.

19563 PÍSECKÝ, V. Ordinance issued by the party and administration to improve the work of the machine tractor stations. (In Czech.) Za Socialist. Zemědél. 2: 375-380. Apr.1952. 19.5 Z1
Czechoslovakia.

19564 PRADAČ, V. Tasks and importance of dispatcher service. (In Czech.) Za Socialist. Zemědél. 2:669-672. June 1952. 19.5 Z1
Machine tractor stations in Czechoslovakia.

19565 PRING, F. C. Milk and meat from the moors. Farmer & Stock-Breeder 66(3290):46-47. Nov.11,1952 10 F228
Farming in reclaimed areas of Exmoor.

19566 RAGGI, C. A. Instalación y manejo de un tambo. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:161-164. 1951/52. 9 Ag874

19567 REGGIANI, A. Marzotto and the social elevation of farmers. (In Italian.) Rass. dell'Agr. Ital. 7(10): 14-15. Oct.1952. 281.8 R18
Discussion of a livestock farm.

19568 RICHARDSON, D. L. Conservation saves Louisiana farm. Soil Conserv. 18:84-85. Nov.1952. 1.6 So3S

19569 SAN ROMAN, M. M. DE. The management of public lands in Costa Rica. Conf. World Land Tenure Prob. Proc. 1951(3):144-146. 1952. 282.9 C762

19570 SCHILLER, O. Collective (kolkhoz) and cooperative farming. Conf. World Land Tenure Prob. Proc. 1951(3):122-125. 1952. 282.9 C762
Followed by a note on the paper by M. Rossi-Doria and a rejoinder by O. Schiller.

19571 SERPIERI, and FORNI, V. Economics of rice farming. (In Italian.) Riso 1(8):2-4. Sept.1952. 59.8 R49
In Italy.

19572 SHEVCHENKO, N., and KUZNETSOV, A. Many-sided development of the public economy of the kolkhoz. Sotsialist. Sel'sk. Khoz. 23(9):7-16. Sept.1952. 281.8 So73
Put' k Kommunizmu Collective Farm in Belogorskiĭ District, Crimean Region.

19573 SMITH, C. S. More from the moor? Farmers Wk. [London] 37(20):64-65. Nov.14,1952. 10 F2226
Farming in Dartmoor.

19574 TAPIA, A. The management of public lands in Mexico. Conf. World Land Tenure Prob. Proc. 1951 (3):150-151. 1952. 282.9 C762

19575 VERWAEST, J. L'amélioration de la rentabilité d'une exploitation campinoise. Rev. de l'Agr. 5: 1072-1079. Oct.1952. 13 R322
English summary.

19576 WALLACE, J. The human side of farming. Better Farming Methods 24(12):14,16. Dec.1952. 58.8 B46
Farm management.

19577 WELLMAN, H. R. Management and costs in irrigation farming. Cotton Gin & Oil Mill Press 53(23): 32,34-35. Nov.8,1952. 304.8 C822

19578 WHITTEN, J. Cotton farming twenty-five years ago and now. Cotton Digest 25(12):122-123. Nov.29,1952. 286.82 C822
Management.

19579 WILSON, J. G. FFA operates farm. Soil Conserv. 18:94-95. Nov.1952. 1.6 So3S

19580 YOHE, R. S. Above the Arctic Circle; farming there, where summers are short and land is rocky, is a challenge for the Finns. Farmer [St.Paul]. Gen. Ed. 70(21):46-48. Nov.1,1952. 6 F2211

19581 YOHE, R. S. Farming in Finland. Mont. Farmer-Stockman 40(5):8,11. Nov.1,1952. 6 M764

19582 YOHE, R. S. Norwegian farmers homestead above the Arctic Circle. Farmer-Stockman 55(10):12,23. Oct.1952. 6 F22127

19583 YOHE, R. S. Uprooted Fins rebuild. 4. Farmer [St. Paul] Gen. Ed. 70(22):14,58. Nov.15,1952. 6 F2211

19584 YOUTH, T. Organization of the lands of the State domain in Cambodia. Conf. World Land Tenure Prob. Proc. 1951(3):140-143. 1952. 282.9 C762

19585 ZACHAROV, A. Z. Victory of the Tsimlianskii State farm. (In Czech.) Za Socialist. Zeměděl. 2: 461-462. Apr.1952. 19.5 Z1
Czechoslovakia.

Bookkeeping and Records

19586 BURLYGA, I. A cost accounting tractor brigade [of Avdeevskaia MTS]. (In Russian.) Mashinno-Traktornaia Sta. 12(8):11-13. Aug.1952. 58.8 M11

19587 HOPFE, V. Reinertrag und arbeitsertrag in der bäuerlichen buchführung. Ber. über Landwirt. 30: 301-313. 1952. 18 G31

19588 KRASNOV, A. Quarterly financial account of a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(10):53-54. Oct.1952. 281.8 K83

19589 POND, G. Fifty years of farm records. Minn. Farm & Home Sci. [Minn. Sta.] 10:7,9. Oct.1952. 100 M668

19590 PREUSCHEN, G. Zu dem problem der kostenermittlung und kostenkalkulation in der landwirtschaft. Ber. über Landwirt. 30:293-300. 1952. 18 G31

19591 SEMENOV, P. Organizing audit work on collective farms. (In Czech.) Za Socialist. Zeměděl. 2: 480-481. Apr.1952. 19.5 Z1
Czechoslovakia.

19592 SHULTIS, A. Farm accounts and management. Nulaid News 30(7):21-22. Dec.1952. 47.8 N917

19593 SHUMILIN, S. IA., and MARKELOV, N. V. To introduce cost accounting on the Karakul sheep raising farms. (In Russian.) Karakulevodstvo i Zverovodstvo 5(2):11-14. Mar/Apr.1952. 49 K14

Costs and Returns

19594 ADAMS, R. L. Protecting citrus groves from frost; costs and benefits to growers. Calif. Agr. Expt. Sta. B. 730,61 p. July 1952. 100 C12S

19595 BAKKER, A. Poplar culture and grassland farming. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:284-288. Aug.1952. 12 N383M
Returns.

19596 BECKER, W. Produktionskosten und weinpreise als faktoren der wirtschaftlichkeit des weinbaues. Weinbau 7:541-542. (Conf.) Oct.1952. 390.8 W432

19597 CARPENTER, K. S. Producing hatching eggs; a survey of the costs and possible returns. N. H. Breeder & Broiler Grower 15(3):20-21. Autumn 1952. 47.8 N45

19598 CHANTLER, P. J. Buying meal in small lots affects pigs' progress, yet analysis of food and amount given was the same. Dairy Farmer [Ipswich] 25 (11):35. Nov.1952. 44.8 D1414
Great Britain.

19599 CUNNINGHAM, L. C. Itemized record of a dairy farm business 1951. N. Y. Agr. Col. A. E. 820, 14 p. June 1952. 281.9 C81
Costs and returns.

19600 DARVELID, M. Oberservations on the profitability of agriculture in Örebro Province, in the harvest year 1950. (In Swedish.) Örebro Läns Hushsällsk. Årsskr. 1952:9-12. 1952. 11 Or3

19601 DAWE, C. V. Factors in the cost of milk production. Hearth & Farm 6:180-182. Spring 1952. 10 B47

19602 DOES, J. V. D., and SPOOR, P. A. The financial aspect of greenhouse tomatoes. (In Dutch.) Groenten en Fruit 7:246-247. Oct.11,1951. 80 G89
Costs and returns in the Netherlands.

19603 EARLE, W. Hatching eggs; does it pay farmers to produce them? Hatchery & Feed 26(11):43-45. Nov. 1952. 47.8 H28

19604 GILL, J. B. Three methods of finishing steers for market compared; grazing nets most. Miss. Farm Res. [Miss. Sta.] 15(9):8. Sept.1952. 100 M69Mi

19605 HOLMES, W. Self-sufficiency on the dairy farm; some economic aspects. Scot. Agr. 32:83-90. Autumn 1952. 10 Sco82So
Includes cost data.

19606 HOLMSTRÖM, S. Farm calculation of 1952/53 revised. (In Swedish.) Lantmannen 36:960-961. Nov.22, 1952. 11 L234
Costs and returns.

19607 JØRGENSEN, H. Economic bacon production. (In Danish.) Andelsbladet 53:1113-1114. Oct.23,1952. 280.28 An2

19608 LAVANCHY, J. A., and BAUDIT, P. Le prix du lait à la production. Genève,Editions Radar,1952. 183 p. 284.344 L38P

19609 LIFSHITS, A. To lower overhead expenses in milk procurements. (In Russian.) Moloch. Promysh. 13(9):13-14. Sept.1952. 44.8 M734

19610 MORRISON, E. M., and BLANCH, G. T. An economic study of the production of canning tomatoes in Utah, 1948 and 1949. Utah. Agr. Expt. Sta. B. 355,29 p. Aug.1952. 100 Ut1
Includes costs.

19611 MUMFORD, D. C. Costs and net returns in producing turkey hatching eggs. Oreg. Agr. Expt. Sta. B 524,48 p. Aug.1952. 100 Or3

19612 NODLAND, T. R., ROUTHE, H. G., and POND, G. A. Annual report of the Southeastern Minnesota Farm Management Service, 1951. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 195,28 p. Apr.1952. 281.9 M66
Costs and returns.

19613 NODLAND, T. R., ROUTHE, H. G., and POND, G. A. Annual report of the Southwestern Minnesota Farm Management Service, 1951. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 197,24 p. May 1952. 281.9 M66
Costs and returns.

19614 NODLAND, T. R., HADY, F. T., and POND, G. A. Poultry costs and returns 1947-1950. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 194,13 p. Jan.1952. 281.9 M66

19615 PIETSCHMANN, E. Der wert des zuckerrübenblattes. Hannoversche Land- u. Forstwirt. Ztg. 105:873-874. Aug.30,1952. 18 H194
Costs and returns as feed for dairy cattle.

19616 RORHOLM, N., ENGENE, S. A., and POND, G. A. Farm costs, 1951, southern Minnesota. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 203,19 p. Oct.1952. 281.9 M66

19617 ROSENBLUM, M. Feed efficiency and laying flock profits. Eggsaminer 29(10):2,7. Oct.1952. 286.85 Eg32

19618 ROUTHE, H. G., NODLAND, T. R., and POND, G. A. Feeder cattle costs and returns. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 200,13 p. Aug.1952. 281.9 M66

19619 SHAPOVALOV, A. Possibility of lowering the cost of tractor work [at Glaginskafa MTS]. (In Russian.) Mashinno-Traktornafa Sta. 12(5):14-15. May 1952. 58.8 M11

19620 SVERIGES LANTBRUKSFORBUND. Report on farm accounts in Jönköping Province, fiscal year 1950-1951, crop year 1950. (In Swedish.) Jönköpings Läns Hushsällsk. Handl. och Tidskr. 2:127-143. 1951,pub.1952. 11 J732

19621 SWANSON, J. P. Cost of producing apples in orchard areas of Washington in 1951. Wash. Agr. Expt. Sta. C. 199,2 p. Aug.14,1952. 100 W27S

19622 TURNBULL, D. M. Chick cost first step in determining success. Amer. Hatchery News 28(i.e.27):6, 23. Aug.1952. 47.8 In83
Costs and returns.

19623 WILT, H. S., and HOGLUND, C. R. Reducing dairy feed costs. Mich. Agr. Expt. Sta. Spec. B. 383,19 p. Oct.1952. 100 M58S

19624 WOERMANN. Betriebswirtschaftliche grundsätze der tierischen erzeugung. Deut. Landwirt.-Gesell. Mitt. 67:745,758-760. Oct.16,1952. 18 N39
Costs and returns.

Land Settlement and Colonization

19625 ALBERTA. DEPT. OF LANDS AND FORESTS. Public lands open for settlement in the Peace River District of Alberta, by W. Odynsky and V. A. Wood. Edmonton,Alberta,1951. 33 p. 282.2 AL13

19626 LIEBERMANN, J. Reminiscencias sobre la historia de la colonización en la Argentina. Pampa Argentina 25(290):9. Feb.1952. 9 P19

19627 LOTHE, A. Experiences from the land ing work in Nordland—especially in Vesterålen and Lofoten. (In Norwegian.) Tidsskr. f. det Norske l 59:215-229. July/Aug.1952. 11 T433
For settlement.

19628 MCGINNIS, R. J. Peace River. Farm Q. 7(4): 66-72,74-75. Winter 1952. 6 F22995
Homesteading the Peace River country, Canada.

19629 NEW SOUTH WALES. DEPT. OF LANDS. War service land settlement in New South Wales, progress to 31st December 1951. Sydney,1952. 8 p. 282.29 N47

19630 SENNEWALD. Die entwicklung der neubauernbetriebe im beispielsdorf Wernitz. Deut. Landwirt. 3:572-576. Nov.1952. 18 D4822

Land Tenure

19631 ANDALO', G. Peasant property. (In Italian.) Rass. dell'Agr. Ital. 7(8):1-3. Aug.1952. 281.8 R18

19632 ANSTEY, B. Tenants in demesne in the 20th century. Roy. Inst. Chartered Surveyors. J. 32:326-336. Nov.1952. 282.9 C38J
Great Britain.

19633 BIDAUD, A. La chasse et le droit. Rev. de Lég. Agr. 5:149-151. Aug./Sept.1952. 281.8 R325
France.

19634 CAMPBELL, D. A. Land agency and the scope of the profession. Land Agents' Soc. J. 51:406. Oct. 1952. 282.9 L22
Great Britain.

19635 COGOTTI, A. Economic and social aspects of improvement contracts in Sardinia. (In Italian.) Previdenza Sociale nell'Agr. 3:139-142. June 1952. 281.8 P92

19636 CONFERENCE ON WORLD LAND TENURE PROBLEMS, UNIVERSITY OF WISCONSIN, 1951. [Proceedings], 3. Workshop reports. Madison,1952. 414 p. 282.9 C762

19637 DRAKE, L. S. Comparative productivity of share-and cash-rent systems of tenure. J. Farm Econ. 34:535-550. Nov.1952. 280.8 J822

19638 ENTE DI RIFORMA FONDIARIA IN PUGLIA, LUCANIA E MOLISE. La riforma fondiaria in Puglia, Lucania e Molise; verso la piccola proprietà contadina [The land reform in Apulia, Lucania and Molise; toward the small peasant property]. Bari,Laterza,1952. 17 p. 282.176 En8

19639 FELICE, P. DE. Métayage et mécanisation. Terre d'Oc 34:371-372. Sept.1952. 14 Ar5

19640 FRATTARI, E. Legitimate preoccupations for model farms. (In Italian.) Rass. dell'Agr. Ital. 7(9): 5-7. Sept.1952. 281.8 R18
Under the land reform law.

19641 GARNER, J. F. Local land charges. Ed. 2. London,Shaw,1952. 168 p. 282.171 G18
Title registration.

19642 GASPARETTO, M. L. M. Productivity and agrarian reform. (In Italian.) Rass. dell'Agr. Ital. 7(7): 3-7. July 1952. 281.8 R18

19643 HAGGERTY, J. J. The United States farmer and the world around him. Washington,U. S. Off. Foreign Agr. Relat.,1952. 7 p. 1.943 H12
Remarks at annual meeting of American Farm Economic Association, Urbana, Aug. 30, 1952.
Land tenure reform and international relations.

19644 HANEGRAAFF, C. F. Problems of a land equalization fund. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:321-325. Sept.1952. 12 N383M
Rents.

19645 HANEGRAAFF, C. F. Right of pre-emption in the transfer of land for owners and particularly tenants. (In Dutch.) Pacht 12:226-250. Aug.1952. 282.8 P11

19646 HARRINGTON, E. G. Cadastral surveying as a basic tool in land management. Conf. World Land Tenure Prob. Proc. 1951(3):283-308. 1952. 282.9 C762

19647 HENRICI. Das neue landpachtgesetz: beanstandung des landpachtvertrages, wenn die pachtleistungen nicht angemessen sind. III. Hannoversche Land- u. Forstwirt. Ztg. 105:872. Aug.30,1952. 18 H194

19648 HYODO, S. Aspects of land consolidation in Japan. Conf. World Land Tenure Prob. Proc. 1951(3): 247-249. 1952. 282.9 C762

19649 KANEL, D. The function of problem formulation in research. Conf. World Land Tenure Prob. Proc. 1951(3):212-220. 1952. 282.9 C762

19650 LLOVET, E. La tenencia de la tierra. II-IV. (Sum.) Uruguay. Min. de Ganad. y Agr. B. Inform. 426: 3-4; 427:3-4; 428:3-4. July 31-Aug.13,1952. 9.9 G15B

19651 MACKESON, J. F. The tenancy agreement. Land Agents' Soc. J. 51:462-465. Oct.1952. 282.9 L22
Great Britain.

19652 MEDELANA, D. R. DI. The reform has borne its fruits. (In Italian.) Rass. dell'Agr. Ital. 7(7):11-12. July 1952. 281.8 R18

19653 MOVIMENTO NAZIONALE PER LA DIFESA DELL'AGRICOLTURA. Conferenza sulla riforma fondiari [Speech on the land reform], by Orsolini-Cencelli. Roma,1951. 7 p. 282.176 M86

19654 NATARAJAN, B. A list of land tenure problems in India. Conf. World Land Tenure Prob. Proc. 1951(3):202-203. 1952. 282.9 C762

19655 OLSCHOWY, G. Flurbereinigung und landschaftspflege. Landwirt. Jahrb. f. Bayern 29:571-586. Sept./Oct.1952. 18 L24

19656 OPERA VALORIZZAZIONE SILA. SETTORE DI COLONIZZAZIONE DI CROTONE. Notizie sull'attività dell'Opera per la Valorizzazione della Sila nel Crotonese [Notices on the activity of the Operation for the Utilization of Sila in Crotone]. Crotone,Pirozzi, 1951. 8 p. 282.176 Op22N
Land reform.

19657 PACYNA, G. Um die soziale funktion des eigentums. Hannoversche Land- u. Forstwirt. Ztg. 105: 895-896. Sept.6,1952. 18 H194
Includes farm tenure.

19658 PEDERSEN, V. E. Matrikelvaesen [Land registry]. København,1951. 501 p. 282.173 P34

19659 PICKREL, L. J. Farm land consolidation in Germany. Va. Agr. Col. Ext. Va. Farm Econ. 132:23-29 Aug.1952. 275.29 V813

19660 RAMBERG, C. A. Consolidation of holdings and consolidation costs. (In Swedish.) Lantbrtidskr. f. Dalarna 4:138-146. Aug.1952. 11 L29

19661 ROSSI-DORIA, M. Land reform and reclamation in Calabria. Statist 156(3894,sup.):44-46. Oct.25, 1952. 286.8 St2

19662 SCHILLER, O. Aspects of land consolidation in Germany. Conf. World Land Tenure Prob. Proc. 1951(3):251-252. 1952. 282.9 C762

19663 SCHILLER, O. Some sociological and educational aspects of land consolidation. Conf. World Land Tenure Prob. Proc. 1951(3):253-256. 1952. 282.9 C762

19664 SCHULTE. Die pachtstreitigkeiten im entwurf einer verfahrensordnung für das Bundesgebiet. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1943. Nov.27, 1952. 18 L2346

19665 SICILY. La legge sulla riforma agraria in Sicilia [Law on agrarian reform in Sicly]. Palermo, 1951. various pagings. 282.176 Si12

19666 STEWART, C. L. Foreign provisions for land inheritance: examples of laws and practices in selected countries. Conf. World Land Tenure Prob. Proc. 1951(3):57-94. Ref. 1952. 282.9 C762

19667 SWEDEN. ÄGOFREDSUTREDNING, 1949. Betänkande med förslag till ny ägofredslagstiftning [Report with proposal for new ownership protection legislation]. Stockholm,Beckman,1951. 143 p. ([Sweden] Statens Offentliga Utredningar, 1951:20)
Protection of landowners against livestock trespassing.

19668 TESCARI, F. Land ownership in Vicenza. (In Italian.) Agr. Vicentina 82(19):4-5. (Cont.) Oct.1,1952. 16 Ag8257

19669 TESTER, P. G. Collecting the Queen's rents. Co-op. Home Mag. 57(10):5. Oct.1952. 280.28 W563
Payment of quit-rents.

19670 UBBINK, W. H. Annual leasing of meadows, especially in the Culemborg municipality. (In Dutch.) Pacht 12:3-19. Jan.1952. 282.8 P11

19671 WRZESINSKY, R. Erfahrungen aus dem erbhofaufhebungsgesetz für ein neues bauernrecht. Landwirtschaft 21/22:313-316. Nov.1952. 19 L235
Austria.

19672 YTTERBORN, G. R. Consolidation of holdings in Sweden. Conf. World Land Tenure Prob. Proc. 1951 (3):235-236. 1952. 282.9 C762

Land Utilization

19673 CHRISTIAN, C. S. Regional land surveys. Austral. Inst. Agr. Sci. J. 18:140-146. Sept.1952. 23 Au74

19674 COSTA RICO. DIRECCIÓN GENERAL DE ESTADISTICA Y CENSOS. Mapa de regiones agrícolas: Costa Rica, by A. W. Peterson. San José,1952. map. 282.15 C82

19675 JAUG, J. O. Notes on land-use planning of Tala Leprosarium. Soil Sci. Soc. Philippines. J. 4:175-181. Third Q.1952. 56.9 So35

19676 RAM, N. Waste lands in Bihar. Bihar Agr. Col. Mag. 3:33-37. Feb.1952. 107.5 B482
Utilization.

19677 VOLKE, H. Offenes land in Ostwestfalen. Pflanze u. Gart. 2(9):15-16. Sept.1952. 80 P48
Utilization.

Land Values and Valuation

19678 THE GREAT land rush of 1952. Successful Farming 50(10):92-99. Oct.1952. 6 Su12
Purchasing of poor land at lower prices and improving it.

19679 HALL, I. F. How to figure depreciation. Hoard's Dairyman 97:926,937. Nov.25,1952. 44.8 H65

19680 HJELM, L. Land prices. (In Swedish.) Lantmannen 36:899-900. Nov.8,1952. 11 L234
Sweden.

19681 MUNTINGA, J. E. Price control of agricultural lands. II. (In Dutch.) Nieuwe Veldbode 19(2):27-28. Oct.9,1952. 12 V542N
Netherlands.

19682 MUNTINGA, J. E. Price control of agricultural lands. III. (In Dutch.) Nieuwe Veldbode 19:39-41. Ref. Oct.16,1952. 12 V542N
Netherlands.

19683 NIESCHULZ. Gedanken zur einheitsbewertung. Hannoversche Land- u. Forstwirt. Ztg. 105:1035. (Concl.) Oct.11,1952. 18 H194

19684 SCHEER, C. D. Valuation of land. Conf. World Land Tenure Prob. Proc. 1951(3):200-201. 1952. 282.9 C762

19685 WARD, J. T. Landowners' capital in agriculture: estimates of the total capital value of agricultural holdings in England and Wales for the years 1925, 1931, 1939, and 1949. Farm Econ. 7:49-54. 1952. 281.8 F223

POPULATION

19686 JORDAN, H. L. El mejor campesino potencial. Siembra [Madrid] 8(7):14-16. July 1952. 15 Si1
The rural exodus in Spain.

19687 NELSON, L. Minnesota is becoming an urban State. Minn. Farm & Home Sci. [Minn. Sta.] 10:12-13. Oct.1952. 100 M668

19688 PICHL, W. Die landflucht und ihre bekämpfung. Ehemalige 9:33-34. Sept.6,1952. 18 Eh2
Germany.

RURAL SOCIAL ORGANIZATION

19689 BATES, H. E. The country of white clover. London,Joseph,1952. 190 p. 281.2 B312

19690 CHIARI, O. Social justice for the ex federation members. (In Italian.) Rass. dell'Agr. Ital. 7(9): 13-14. Sept.1952. 281.8 R18

19691 CLEMENT, M. La lettre pastorale sur le problème rural à quinze ans. Terre de Chez Nous 24 (35):3. Oct.22,1952. 7 T27
Quebec.

19692 CONTINENZA, C. Social welfare and administrative decentralization. (In Italian.) Previdenza Sociale nell'Agr. 3:170-172. July/Aug.1952. 281.8 P92
Italy.

19693 GHERARDI, G. Social assistance and medicolegal protection in favor of farmers. (In Italian.) Previdenza Sociale nell'Agr. 3:177-182. July/Aug.1952. 281.8 P92
Italy.

19694 GIANI, G. La riforma della previdenza sociale vista dalle categorie produttrici [The reform of social welfare seen by the producing classes]. Roma, Movimento Nazionale per la Difesa dell'Agricoltura,1951. 9 p. 280.176 C48

19695 GRADER, C. J. Rural organization and village revival in Indonesia. Ithaca,1952. 15 p. (Cornell University. Department of Far Eastern Studies. Southeast Asia Program. Data Paper. No. 5) 281.1994 G75

19696 GREENE, S. E. Farming is a way of life. Town & Country Church 83:5-6. Nov.1952. 281.28 T66

19697 KOLB, J. H., and BRUNNER, E. DE S. A study of rural society. Ed. 4. Boston,Houghton,1952. 532 p. 281.2 K83

19698 MARINIS, P. DE. Social welfare and prevention of tuberculosis. (In Italian.) Previdenza Sociale nell'Agr. 3:83-86. Apr.1952. 281.8 P92
Italy.

19699 MIDCENTURY WHITE HOUSE CONFERENCE ON CHILDREN AND YOUTH, WASHINGTON, D. C., 1950. COLORADO COMMITTEE. Fact finding report. Denver, Off. Gov.,1951. 240 p. 320.9 M58C

19700 ORCHARD, H. Old Orchard farm, the story of an Iowa boyhood. Ames,Iowa State Col. Press,1952. 235 p. 281.2 Or1

19701 OREGON. RURAL LIFE COMMITTEE. Rural life; an appraisal of the problems and a statement of recommendations. Oreg. Agr. Expt. Sta. Oreg. Agr. 19, 82 p. Aug.1952. 100 Or3O

19702 PETROV, G. Pauperization of a Japanese village. (In Czech.) Za Socialist. Zemedel. 2:493-496. Apr.1952. 19.5 Z1

19703 RAMSEY, R. J. Evaluation of the Kentucky Farm and Home Development Program, 1951. Ky. Agr. Col. Ext. RS-1,19 p. 1952? 275.29 K4152

19704 ROBINSON, R. D. Tractors in the village—a study in Turkey. J. Farm Econ. 34:451-462. Nov.1952. 280.8 J822
Social effects.

19705 SCHILLER, O. Das landvolk der Sowjetunion im gesellschaftlichen umformungsprozess. Ber. über Landwirt. 30:332-341. 1952. 18 G31

19706 SOCIAL welfare in Parliament. (In Italian.) Previdenza Sociale nell'Agr. 3:173-174. July/Aug.1952. 281.8 P92
Italy.

Human Ecology

19707 ATHERTON, L. E. The midwestern country town—myth and reality. Agr. Hist. 26:73-80. July 1952. 30.98 Ag8

19708 BLACKMORE, J. Tennessee River and the TVA. Farm Policy Forum 5(11):12-15. Nov.1952. 281.8 F2274

19709 HUTCHINSON, C. R. We need stronger communities. Ohio Farm Bur. News 32(4):18-19. Nov.1952. 6 Oh34

19710 STOSKOPF, G. Images d'une Alsace nouvelle. Bas-Rhin Agr. 7:474. Oct.11,1952. 14 B29
Villages.

Institutions

19711 ARCHER, S. G. Rural church lends a hand to encourage better farming methods. Farmer-Stockman 55(11):15,50. Nov.1952. 6 Ok45

19712 ARNEGREN, A. P. An improved and broadened vocational education is a necessity for the continuance and development of agriculture. (In Swedish.) Tidskr. f. Hushsällsk. och Skogsvårdsstyr. i Gävleborgs Län 27:114-115. 1951. 11 T434

19713 ARNETTE DE LA CHARLONNY, L. L'expertise agricole et foncière. Rev. de Lég. Agr. 5:183-186. Oct.1952. 281.8 R325
France.

19714 BALLARD, C. V. Ballard looks back. Ext. Serv. Rev. 23:178,190. Oct.1952. 1 Ex892Ex
The task of extension workers.

19715 BANDINI, M. Die landwirtschaftliche beratung und propaganda in Italien. In Internationale Offentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.130-145. Hiltrup bei Münster, Landwirtschaftsverlag,1951. 275.9 In84

19716 BESKROVNYĬ, A. K. Centers of agricultural culture on the collective farms of Ukrainian SSR. (In Russian.) Sovet. Agron. 10(10):80-84. Oct.1952. 20 So84
For research and education of collective farm workers.

19717 BEVAN, L. A. Extension's role in education for cooperatives. Washington, U. S. Ext. Serv.,1952. 6 p. 1.913 I2Ex84
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

19718 BICKERS, J. R. The fieldman's star rises. Bankers Mon. 69(11):7-8,10,12. Nov.1952. 284.8 B223
Bank-sponsored.

19719 BLANCKENBURG, P. VON. Die heimatvertriebenen landwirte. Ausbild. u. Beratung in der Landwirt. 5:112. Sept.1952. 18 N11
Germany.

19720 BOHLEN, G. Allgemeinbildung—nicht nur fachwissen! Landwirtschaftsschule Dannenberg bildet lesekreis. Ausbild. u. Beratung in der Landwirt. 5:116-117. Sept.1952. 18 N11

19721 BOWER, D. C. Whitecourt—progress report. Essex Farmers' J. 31(7):12-14. Sept.1952. 10 Es72
Training youth for farming at Whitecourt training center.

19722 BROHÉE, R. F. La formation professionnelle des jeunes agriculteurs. Paris?1952? 7 p. 275.1 B78

19723 BROHEE, R. F. La formation professionnelle des jeunes agriculteurs en Allemagne Occidentale. n.p., 1952? 5 p. 275.1 B78AL

19724 BROHEE, R. F. La formation professionnelle des jeunes agriculteurs en Autriche. n.p.,1952? 3 p. 275.1 B78Au

19725 BROHEE, R. F. La formation professionnelle des jeunes agriculteurs en Eire. n.p.,1952? 6 p. 275.1 B78E

19726 BROHEE, R. F. La formation professionnelle des jeunes agriculteurs en Italie. n.p.,1951? 3 p. 275.1 B78I

19727 BROHEE, R. F. La formation professionnelle des jeunes agriculteurs en Norvège. n.p.,1952? 4 p. 275.1 B78N

19728 CARLSSON, G. Farm vocational schools. (In Swedish.) Mjölkpropagandan 29:176-179. Aug.1952. 44.8 M692
Sweden.

19729 CARTER, H. Charlie Burton's field day. Country Gent. 122(11):26,65-66. Nov.1952. 6 C833
Delta Negro Field Day at the Delta Branch Experiment Station, Stoneville, Mississippi.

19730 CHERNIKOV, M. N. From the experiment in teaching at the agro-zootechnical courses [on Zarîa Collective Farm, Ïŭrginskiĭ Raĭon, Kemerovo Region]. (In Russian.) Sovet. Agron. 10(10):85-87. Oct.1952. 20 So84

19731 CHRIST. Jungbauern und jungbäuerinnen, die schulen warten auf euch! Landwirt. Z. der Nord-Rheinprov. 119:1106-1107. Oct.11,1952. 18 L2344

19732 CHRISTENSEN, L. Is the education of farm youth suited to the times? (In Danish.) Dansk Landbr. 71:511-512. Oct.23,1952. 280.28 V91

19733 COLOMBIA. UNIVERSIDAD NACIONAL, BOGOTÁ. FACULTAD NACIONAL DE AGRONOMÍA, MEDELLÍN. BIBLIOTECA. La Biblioteca de la Facultad de Agronomia del Valle; informe, by A. Hernández Arango. Medellín,1952. 6 p. 243.7 C712B

19734 COWDEN, T. K. Extension programs and responsibilities for education on the place and function of cooperatives in our economy. Washington, U. S. Ext. Serv.,1952. 3 p. 1.913 I2Ex82
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

19735 CRAKES, C. R. You can teach more with movies in your classroom. Co. Agent & Vo-Ag Teacher 8(11):26-28. Nov.1952. 275.28 N213

19736 DOWNTON, J. A. Proud Preston. Roy. Lancashire Agr. Soc. J. 1952:11-15. 10 L22
Royal Lancashire Agricultural Show at Preston.

19737 DREWSEN, N. A. Reorganization of the farm advisory services. (In Danish.) Dansk Landbr. 71:529-530. Oct.30,1952. 280.28 V91

19738 ECHAGÜE, P. J. Sobre el gaucho. Selec. Rur. 7(30):32-34. July/Sept.1952. 9.9 Se4

19739 ERNST, F. Ansporn zür leistung; der schülerwettbewerb 1952 der land- und hauswirtschaftlichen berufsschulen Nordbadens ist abgeschlossen. Ausbild. u. Beratung in der Landwirt. 5:104-106. Sept.1952. 18 N11

19740 FINK, B. Ahlgren directs extension service. Wis. Country Mag. 46(2):7. Nov.1952. 276.8 St9
Wisconsin Extension Service.

19741 FRY, H. L. The whole family learns at Rabun Gap. Mountain Life & Work 28(3):8-9. Summer 1952. 281.28 M86

19742 GALLOWAY, R. E., and KAUFMAN, H. F. Use of hospitals by rural people in four Mississippi counties. Miss. Agr. Expt. Sta. C. 174,11 p. July 1952. 100 M69

19743 GASCO, G. A political movement that should interest the veterinarian: the Rural Movement. (In Italian.) Prog. Vet. 7:712. Nov.1,1952. 41.8 P942

19744 GERKEN, J. Moderne unterrichtshilfen. Ausbild. u. Beratung in der Landwirt. 5:106-108. Sept. 1952. 18 N11

19745 GERMANY (FEDERAL REPUBLIC, 1949-) LAND- UND HAUSWIRTSCHAFTLICHER AUSWERTUNGS- UND INFORMATIONSDIENST. Jahresbericht. 1950/51. Frankfurt/Main,1951. 17 p. 18 G312J

19746 GERMANY (TERRITORY UNDER ALLIED OCCUPATION, 1945—U. S. ZONE). OFF. OF THE U. S. HIGH COMMISSIONER. DIV. OF CULTURAL AFFAIRS. Vocational education and apprenticeship training in Germany; prepublication report, by G. W. Ware. n.p., 1952. 73 p. 275 G31
Includes agriculture.

19747 GESTSSON, H. Agricultural instruction. (In Icelandic.) Freyr 47:265-268. Aug.1952. 11 F89

19748 GONÇALVES, P. A. Course of agriculture in the secondary school. (In Portuguese.) Chacaras e Quintais 86:485-486. Oct.15,1952. 9.2 C34
Brazil.

19749 GRAFF, E. F. Program development in Iowa. Ext. Serv. Rev. 23:177. Oct.1952. 1 Ex892Ex
Extension programs.

19750 GUIDI, P. V. The Bari Fair and the Productivity Conference. (In Italian.) Macch. e Motori Agr. 10: 1029-1031. Oct.1952. 58.8 M13

19751 HAGENBUCH, R. K., and BRANNAKA, R. The Quakertown high school farm. Agr. Educ. Mag. 25: 132,138. Dec.1952. 275.8 Ag8

19752 HAHN, G. H. Get the job done with good public relations. Co. Agent & Vo-Ag Teacher 8(10):8-10, 12. Oct.1952. 275.28 N213
Public relations in extension work.

19753 HAUSCHILD, I. Der aufklärungs- und beratungsdienst in Osterreich. In Internationale Offentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.43-70. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19754 HURST, M. J. Michigan State: school for champions. Internatl. Harvester World 43(11):2-7. Nov. 1952. 58.8 H26

19755 INTERNATIONALE ÖFFENTLICHE LANDWIRTSCHAFTLICHE WIRTSCHAFTSBERATUNGSTAGUNG, BONN, 1951. Gut beraten, erfolgreicher wirtschaften;vorträge der Internationalen Öffentlichen Landwirtschaftlichen Wirtschaftsberatungstagung des Bundesministeriums für Ernährung, Landwirtschaft und Forsten, Bonn-Duisdorf, vom 6-8, dezember 1951 in Bonn. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 200 p. (Landwirtschaft-Angewandte Wissenschaft) 275.9 In84

19756 IVANOVICH, K. Preparation of masters in socialist agriculture. (In Russian.) Kolkhoz. Proizvodstvo 12(10):19-21. Oct.1952. 281.8 K83

19757 JENSEN, S. K. Reorganization of the advisory services. (In Danish.) Dansk Landbr. 71:555-556. Nov. 13,1952. 280.28 V91

19758 KELLETT, J. G. Agricultural and dairying education. Soc. Dairy Technol. J. 5:274-281. Oct.1952. 44.8 So12
Includes discussion.
Great Britain.

19759 KENTUCKY. UNIVERSITY. COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. 1951 annual report. Lexington,1952. 39 p. 275.29 K415Ar

19760 KETELHODT, VON. Eine landjugendzeitung? Ausbild. u. Beratung in der Landwirt. 5:115-116. Sept. 1952. 18 N11

19761 KIND, W. Wirtschaftsberatung im mittel- und grossbäuerlichen betrieb im rahmen eines beratungsringes. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.182-187. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19762 KOTZERKE, H. Vergleichsprüfungen; gedanken zur vereinheitlichung der landwirtschaftsprüfungen. Ausbild. u. Beratung in der Landwirt. 5:102,105. Sept. 1952. 18 N11
Germany.

19763 KRISTIANSSON, S. Die landwirtschaftliche korrespondenzschule in Schweden. In Internationale Offentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.81-94. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19764 KRIZNIE, R. Der bauer deckt den tisch des volkes. Landwirtschaft 19/20:290-291. Oct.1952. 19 L235
Austrian exhibits.

19765 KULL, B. Extension studies—human relations Ext. Serv. Rev. 23:175. Oct.1952. 1 Ex892Ex

19766 LANCASTER, L. W. Government in rural America. Ed. 2. New York,Van Nostrand,1952. 375 p. (Van Nostrand Political Science Series) 280.12 L22

19767 LEHMANN, S. Gebändigtes schaffen; ebenmass als besonderheit volkstümlicher handwerkskunst. Übersicht 3(7):90-95. July 1952. 18 Ub3

19768 LEVIN, B. Helping to keep 'em on the farm. Sowest. Crop & Stock. 6(10):16,101. Oct.1952. 6 So8942
Vocational agriculture.

19769 LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. DIV. OF AGRICULTURAL EXTENSION. Your investment in better living in Louisiana. Baton Rouge,1952. 12 p. 275.29 L932A

19770 LOVE, H. H. Short period training courses to prepare personnel for agricultural investigations. Internatl. Rice Comn. News Let. 2:6-9. June 16,1952. 59.9 In83N

19771 LYBERG, A. L. Die heim- und wohnungskonsulententätigkeit in Schweden. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.146-157. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19772 MCCLAY, D. R. Exhibits are fun to build. Co. Agent & Vo-Ag Teacher 8(11):15-17. Nov.1952. 275.28 N213

19773 MCKAY, G. R. You'd better think TV! Co. Agent & Vo-Ag Teacher 8(11):12-13. Nov.1952. 275.28 N213

19774 MAIER-BODE, F. W. Warum schulung und beratung in der landwirtschaft? In Internationale Offentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.158-162. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19775 MAINE. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Extension serves Maine people; annual report of the director of the Extension Service, 1951/52. Maine. Agr. Col. Ext. B., 47 p. Sept.1952. 275.29 M281Rt

19776 MALIEPAARD, C. H. J. Das landwirtschaftliche beratungswesen in den Niederlanden. In Internationale Offentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.117-129. Hiltrup bei Münster, Landwirtschaftsverlag, 1951. 275.9 In84

19777 MARCHETTANO, E. Venetian agricultural proverbs. (In Italian.) Agr. delle Venezie 6:423-428. Sept.1952. 16 Ag826

19778 MARTENS, H. Agronomy extension men are taking science to the farmer. Iowa Agr. 51(3):24,44-45. Nov.1952. 6 Io9

19779 MONTALTO, M. Agricultural inspectorates. (In Italian.) Rass. dell'Agr. Ital. 7(8):12-13. Aug.1952. 281.8 R18

19780 NEINHAUS, W. Die allgemeinen landwirtschaftlichen zeitungen und zeitschriften im Bundesgebiet, ihr wesen und ihre bedeutung für die landwirtschaft. Heidelberg,Institut für Agrarpolitik und Marktforschung der Universität Bonn,1951. 54 p. 238 N31

19781 NUÑEZ, Z. La fiesta del limón: una tradición secular. Mundo Agr. 4(40):91-92. Sept.1952. 9 M92
Argentina.

19782 ORR, D. Preparing effective exhibits for the FFA. Agr. Educ. Mag. 25:144,146. Dec.1952. 275.8 Ag8

19783 PACYNA, G. Die landschule im umbruch der zeit. (Excerpts.) Übersicht 3(7):28-35. July 1952. 18 Ub3
Germany.

19784 PETRICH, K. Aufgaben des "Land- und Hauswirtschaftlichen Auswertungs- und Informationsdienstes (AID)" in Westdeutschland. In Internationale Offentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.107-116. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19785 PINERO, J. Extension educational program on cooperatives in Puerto Rico. Washington,U. S. Ext. Serv., 1952. 8 p. 1.913 I2Ex83
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

19786 POLIANO, L. M. V Agricultural Exposition of the Federal District. (In Portuguese.) Lavoura 56:5-19. July/Aug.1952. 9.2 L39
Brazil.

19787 PORTAL, M. Die landwirtschaftliche beratung in Frankreich. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.25-32. Hiltrup bei Münster, Landwirtschaftsverlag,1951. 275.9 In84

19788 PRASSE, F. Praktische ausbildung voraussetzung für eine geordnete wirtschaftsberatung. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.163-171. Hiltrup bei Münster,Landwirtschaftsverlag, 1951. 275.9 In84

19789 PRATT, P. Pratt County has library service for everybody. Kans. Farmer 89(20):22-24. Oct.18,1952 6 K13

19790 PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Lo que hizo extensión agrícola en el ano 1951, informe anual. Rio Piedras, 1952. 41 p. 275.29 P96I

19791 QUIMBY, K. New support for the churches! Town & Country Church 83:2-3. Nov.1952. 281.28 T66

19792 REGGIANI, A. Agricultural meetings—traveling schools of agriculture—agricultural organizations. (In Italian.) Rass. dell'Agr. Ital. 7(9):15-16. Sept.1952. 281.8 R18

19793 RHEINWALD, H. Die methodik der landwirtschaftlichen beratung; versuch einer analyse. Ber. über Landwirt. 30:323-326. 1952. 18 G31

19794 RHEINWALD, H. Über die abgrenzung des begriffs "beratung." Ber. über Landwirt. 30:314-322. Ref. 1952. 18 G31

19795 RICHARDSON, E. C. Information opportunities in Farm and Home Week. Washington,U. S. Ext. Serv., 1952. 7 p. 1.913 I2In32
Presented at AAACE Annual Conference, Clemson, S. C., July 23, 1952.

19796 ROTTENSTEN, J. Das landwirtschaftliche beratungswesen in Dänemark. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.95-106. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19797 SAENZ FETY, G. Intercambio de jóvenes agricultores con los Estados Unidos. Rev. Nac. de Agr. 46(570):40-41. Oct.1952. 9.4 R32

19798 SAMPLE, G. W. Farmers' public relations program starts. Hoosier Farmer 37(11):10-11. Nov. 1952. 280.82 H76

19799 SANCHEZ GAVITO, X. Servicios de extensión agrícola de la FAO. Tierra [México] 7:522-523, 562. Aug.1952. 8 T445

19800 SCHULTE, F. Was bringt die diesjährige vortragsveranstaltung der Landwirtschaftskammer Westfalen-Lippe? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1901. Nov.20,1952. 18 L2346

19801 SCOTT, J. C. Health and agriculture in China; a fundamental approach to some of the problems of world hunger. London,Faber and Faber,1952. 279 p. Ref. 449.1 Sco8
Effects of using nightsoil.

19802 SHOULD management move to the country? Fortune 46(6):142-143,164,166,168,170. Dec.1952. 110 F772

19803 SILVEIRA, G. G. DA. Health education of the rural man. (In Portuguese.) Lavoura 56:42-43. July/Aug.1952. 9.2 L39
Brazil.

19804 SINGH, T. P. Rural extension services in India. Rur. Life, Aug.1952:7. 281.28 R884

19805 SLOCUM, W. L. Agricultural training for veterans; a report on reactions of participants. Wash. Agr. Expt. Sta. C. 206,16 p. Oct.1952. 100 W27S

19806 SONNEMANN, T. Agrarpolitik und wirtschaftsberatung. In Internationale Öffentliche Landwirtschaft liche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.188-193. Hiltrup bei Münster, Landwirtschaftsverlag,1951. 275.9 In84
Germany.

19807 SOTH, L. How farm people learn new methods. Natl. Planning Assoc. Planning Pam. 79,23 p. Oct.1952. 280.9 N2153

19808 SPRENGEL, A. Die beratung der bauernfrau—ein wesentlicher bestandteil der wirtschaftsberatung. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p. 71-80. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19809 STORZ. Wirtschaftsberatung im kleinbäuerlichen betrieb. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p. 172-181. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19810 STUBBE, H. Der fachzeitschrift der Deutschen Akademie der Landwirtschaftswissenschaften zu Berlin zum geleit. Deut. Landwirt. 3:393-394. Aug. 1952. 18 D4822

19811 SWAN, C. J. New study shows editorial style ads are good in farm and trade papers, too. Printers' Ink 241(9):34-36. Nov.28,1952. 238.8 P932

19812 TICKNER, M. Farmhouse school. Farmers Wk. [London] 37(20):78-79. Nov.14,1952. 10 F2226
Provides practical farm training for girls.

19813 U. S. EXTENSION SERV. Check children's health too before starting back to school, by E. J. Niederfrank. Washington,1952. 2 p. 1.913 P2C41

19814 U. S. EXTENSION SERV. Mass communications and visual aids. Washington,1952. 2 p. 1.913 I2M38

19815 U. S. EXTENSION SERV. Parent and family life education: list of State extension service publications. Washington,1952. 5 p. 1.913 P2P212

19816 U. S. EXTENSION SERV. Philosophy and principles of Cooperative Extension Service in the United States, by F. P. Frutchey. Washington,1952. 9 p. 1.913 S2P54

19817 U. S. EXTENSION SERV. Proposal for continuation and expansion of research in methods of developing county rural adult educational programs, by J. L. Matthews. Washington,1952. 6 p. 1.913 S2P944

19818 U. S. EXTENSION SERV. A reading list for extension workers. Washington,1952. 2 p. 1.913 S2R226

19819 VALENTE, C. Professional instruction of farmers and people connected with agriculture. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(98):1-3. Nov.22,1952. 281.8 Ag3

19820 VALLANCE, A. Peasants and politics in Italy. I-II. New Statesman & Nation 44:568,596,598. Nov. 15-22,1952. 280.8 N2132

19821 WAGENINGEN. LANDBOUWHOOGESCHOOL. The Agricultural University, Wageningen, Netherlands. Wageningen,1951. 8 p. 105.2 W122Ag

19822 WARD, G. H. Relation of extension to cooperatives in Japan. Ext. Serv. Rev. 23:184-185. Oct.1952. 1 Ex892Ex

19823 WATSON, SIR J. A. S. Der Nationale Landwirtschaftliche Beratungsdienst (NAAS) in England und Wales. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p. 33-42. Hiltrup bei Münster,Landwirtschaftsverlag,1951. 275.9 In84

19824 WILSON, M. L. Landjugendarbeit in den Vereinigten staaten. In Internationale Öffentliche Landwirtschaftliche Wirtschaftsberatungstagung. Gut beraten, erfolgreicher wirtschaften, p.11-24. Hiltrup bei Münster, Landwirtschaftsverlag,1951. 275.9 In84

19825 WOSSENG, H. G. Rückblick auf die landwirtschafts- und gartenbauausstellung 1952. Deut. Landwirt. 3:394-396. Aug.1952. 18 D4822
Russian Zone of Germany.

Leadership

19826 HANKINS, C. W. Parliamentary training develops leadership. Agr. Educ. Mag. 25:132,136. Dec. 1952. 275.8 Ag8

19827 HUMPHERYS, L. R. Public speaking as a leadership activity in F.F.A. Agr. Educ. Mag. 25:137, 146. Dec.1952. 275.8 Ag8

19828 LARSON, N. M., and WALKER, A. H. Successful leader training in the family life program. Ext. Serv. Rev. 23:176,190. Oct.1952. 1 Ex892Ex

19829 NORTHROP, F. Training future FFA advisers. Agr. Educ. Mag. 25:142. Dec.1952. 275.8 Ag8

Rural Organizations and Movements

19830 AIZSILNIEKS, A. P. A final word on cooperatives. J. Farm Econ. 34:563-566. Nov.1952. 280.8 J822

19831 ANDALÒ, G. Orientation for organization. (In Italian.) Mondo Agr. 3(40):1,5. Oct.5,1952. 16 M74
Italy.

19832 ANDELSUDVALGET. Cooperative societies in Denmark 1951. (In Danish.) Andelsbladet 53:1187-1199. Nov.13,1952. 280.28 An2

19833 AUGUSTINSON, K. Glimpses from the activities of the Agricultural Society. (In Swedish.) Lantbrtidskr. f. Dalarna 5/6:167-175. Oct./Dec.1951. 11 L29

19834 BAILEY, R. B. The community a part of the FFA. Agr. Educ. Mag. 25:135. Dec.1952. 275.8 Ag8

19835 BLUCK, W. L. Dramatized co-ops for youth appeal. News Farmer Coop. 19(7):7-8. Oct.1952. 166.2 N47
Cooperatives' value to farmers demonstrated to youths in Ohio Field Days.

19836 BONNET, P. L'aviculture française s'organise. Rev. de l'Elevage 7:563. Oct.1952. 49 B462

19837 CAUGHELL, R. W. Improve through better programs. Agr. Educ. Mag. 25:133. Dec.1952. 275.8 Ag8
Future Farmers of America.

19838 CLARK, R. C. Conservation activities program for 4-H Clubs. Wis. Conserv. B. 17(11):34. Nov. 1952. 279.8 W752

19839 COOPERATIVE AUDITING SERV. Summary of comparative costs of operation, periods ending May 1, 1951 to April 30, 1952, cooperative oil associations, farm supply cooperatives,food stores, and grain elevators. Minneapolis,1952. 42 p. 280.29 C7834

19840 COOPERATIVE LEAGUE OF THE U.S.A. 1952 yearbook. Chicago,1952. 186 p. 280.29 C788

19841 DIMIT, R. M., WINK, A. T., and JOHN, M. E. Factors associated with the success of Pennsylvania granges. Pa. Agr. Expt. Sta. B. 556,26 p. Aug.1952. 100 P381

19842 DRAYTON, L. E. Cooperatives and economic welfare. J. Farm Econ. 34:555-557. Nov.1952. 280.8 J822

19843 DUGGAN, I. W. Membership and public relations—an investment in future success. Grain Prod. News 5(2):4,26. Sept.1952. 286.81 G764
Cooperatives.

19844 DUGGAN, I. W. What kind of training for future managers? News Farmer Coop. 19(8):4. Nov.1952. 166.2 N47
Managers for cooperatives.

19845 FARRINGTON, R. L. Let the public in on the co-op story. Grain Prod. News 5(2):30-31,29. Sept. 1952. 286.81 G764

19846 FRECKMANN, W. Das landwirtschaftliche vereinswesen in Lippe und seine entwicklung unter besonderer berücksichtigung des Lippischen Landwirtschaftlichen Hauptvereins. Hiltrup bei Münster,Landwirtschaftsverlag,1952? 56 p. 18 L66

19847 GALLO, U. Importance of the Trivenetian conference on agricultural cooperation. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 7(17): 12-13. Sept.1,1952. 287 V662

19848 GILKEY, H. Publicity gets results for the FFA. Agr. Educ. Mag. 25:130. Dec.1952. 275.8 Ag8

19849 GISLASON, C. Cooperatives and resource allocation. J. Farm Econ. 34:558-563. Nov.1952. 280.8 J822

19850 GORDY, A. S. Statistical analysis of 4-H Club work and work with young men and women. U. S. Ext. Serv. Ext. Serv. C. 482,16 p. Oct.1952. 1.9 Ex892Esc

19851 HAARER, A. E. Co-operative ventures making progress in the colonies. New Commonwealth 24:467. Nov.10,1952. 280.8 C88
. Africa.

19852 HEAD, I. E. I so move ye. Agr. Educ. Mag. 25:138,146. Dec.1952. 275.8 Ag8
Conducting Future Farmers of America meetings.

19853 HECKMAN, J. H., and WHEELER, A. E. Danes build strong co-ops on their own. News Farmer Coop. 19(8):11-13. Nov.1952. 166.2 N47

19854 HENNING, G. F. Looking ahead 25 years. News Farmer Coop. 19(8):10,13-14. Nov.1952. 166.2 N47
Trend and growth of cooperatives as seen by their leaders.

19855 HESS, C. F. Developing a program of work for FFA chapters. Agr. Educ. Mag. 25:141,145. Dec. 1952. 275.8 Ag8

19856 HEUSER, O. E. Gemeinschaftsarbeit als wirtschaftsprinzip. Deut. Landwirt.-Gesell. Mitt. 67:723-724. Oct.9,1952. 18 N39

19857 HOAG, W. G. Institute looks at tomorrow. News Farmer Coop. 19(7):6,17. Oct.1952. 166.2 N47
American Institute of Cooperation.

19858 IDAHO STATE GRANGE. Journal of proceedings and constitution and by-laws; forty-third annual session, Burley, December 3-4-5-6, 1951. n.p.,1952? 105 p. 4 Id13J

19859 IDAHO STATE GRANGE. Subordinate, pomona and juvenile roster, 1952. n.p.,1952. 30 p. 4 Id13

19860 IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Directory of Idaho farmers' cooperatives, by R. W. Wilcox. Boise,1952. 10 p. 275.29 Id13Di

19861 KIGHTLINGER, E. M. Your 4-H demonstration. Ariz. Agr. Col. Ext. C. 201,11 p. July 1952. 275.29 Ar42

19862 KNAPP, J. G. Cooperatives have a future. Grain Prod. News 5(2):25,27-28. Sept.1952. 286.81 G764

19863 KOMAR, S. Neka aktuelna pitanja razvitka seljackih radnih zadruga Osječke Oblasti [Some real problems of the development of peasant working cooperatives of Osjek Oblast]. Zagreb,1951. 42 p. (Zadružna Knjižnica) 280.2 K833

19864 LANDIS, B. Y. Cooperative Nova Scotia. Town & Country Church 83:9-10. Nov.1952. 281.28 T66

19865 LEITH, W. G. The reason why co-ops manufacture. News Farmer Coop. 19(7):10-12,17. Oct.1952. 166.2 N47
Petroleum products, fertilizers, feed, and farm machinery.

19866 LONG, W. C. A follow-up study of state farmers in Georgia. Agr. Educ. Mag. 25:140,145. Dec. 1952. 275.8 Ag8
Occupations of Georgia Planters.

19867 LUTHER, V. V. Financing the FFA program. Agr. Educ. Mag. 25:130,136. Dec.1952. 275.8 Ag8

19868 MCCLARREN, H. What youth thinks of the farmer cooperatives. Coop. Digest 13(5a):36-38. Nov. 15,1952. 280.28 C7896

19869 MONTANARI, V. Agricultural cooperation in Venetia. (In Italian.) Agr. delle Venezie 6:391-422. Sept.1952. 16 Ag826

19870 MOSELEY, C. E. Why I believe in and use my farmer co-ops. Coop. Digest 13(5a):32-33. Nov.15,1952. 280.28 C7896

19871 NATIONAL COMMITTEE ON BOYS AND GIRLS CLUB WORK. State acceptances of National 4-H awards programs for county extension agents and local 4-H leaders. Chicago,1952. 4 p. 275.29 N213St

19872 ÖREBRO LÄNS HUSHÅLLNINGSSÄLLSKAP. Report on the activities of the Örebro Province Agricultural Society during the year 1951. (In Swedish.) Örebro Läns Hushsällsk. Årsskr. 1952:31-72. 1952. 11 Or3

19873 PATRICK, M. Program of work is key to chapter improvement. Agr. Educ. Mag. 25:134,143. Dec.1952. 275.8 Ag8
Future Farmers of America.

19874 PHIPPS, L. J. Criteria for evaluating FFA money-making activities. Agr. Educ. Mag. 25:129, 142. Dec.1952. 275.8 Ag8

19875 PINGREY, H. B. Farm organizations and incomes in the Pecos Valley, New Mexico. N. Mex. Agr. Expt. Sta. B. 368,45 p. Aug.1952. 100 N465

19876 QUEBEC. DEPT. OF AGRICULTURE. DIV. OF COOPERATION. Rapports des sociétés coopératives agricoles de la province de Québec au 31 mars 1952. Quebec,1952. 49 p. 280.29 Q3

19877 RHONEMUS, A. C. Chapter improvement is possible. Agr. Educ. Mag. 25:131,133. Dec.1952. 275.8 Ag8
Future Farmers of America.

19878 ROSSMILLER, R. A. Developing FFA officers. Agr. Educ. Mag. 25:138. Dec.1952. 275.8 Ag8

19879 ROYAL LANCASHIRE AGRICULTURAL SOCIETY. Annual journal for the year 1952. Preston, 1952. 253 p. 10 L22

19880 RUST, I. Farmers' cooperatives versus other methods of doing busines. . Hawaii. U. Agr. Ext. C. 327, 4 p. June 1952. 275.29 H312Ac

19881 RUST, I. How to finance a ' ners' cooperative. Hawaii. U. Agr. Ext. C. 324,? une 1952. 275.29 H312Ac

19882 RUST, I. Purchasing cooperatives for Hawaii's farmers. Hawaii. U. Agr. Ext. C. 329,3 p. June 1952. 275.29 H312Ac

19883 RUST, I. The revolving fund method of raising capital for farmers' cooperatives. Hawaii. U. Agr. Ext. C. 331,4 p. June 1952. 275.29 H312Ac

19884 RUST, I. Who's the boss in your cooperative? Hawaii. U. Agr. Ext. C. 330,2 p. June 1952. 275.29 H312Ac

19885 SABROSKY, L. K. Meeting the basic needs of first-year 4-H Club members. U. S. D. A. PA 203,10 p. Aug.1952. 1 Ag84Pro

19886 SCARPA, G. The activity of the agricultural syndicats in Italy. (In Italian.) Serv. di Studi Econ. B. 6(4):17-19. Aug.31,1952. 280.9 V553
Cooperatives.

19887 SIQUEIRA, N. DE. Data on Brazilian cooperation. (In Portuguese.) Coop [Bahia] 11(104/105):3. July/Aug.1952. 280.28 C7842

19888 TAKAHARA, D. Y. Japanese 4-H Club projects. Foreign Agr. 16:178. Oct.1952. 1.9 Ec7For

19889 TOOL, E. A. Improving chapter meetings. Agr. Educ. Mag. 25:139,146. Dec.1952. 275.8 Ag8
Future Farmers of America.

19890 VASILJEVIĆ, K. D. Organizacija knjigovodstva u seljaćkim radrim zadrugama [Organization of bookkeeping in peasant working cooperatives]. Beograd, Socijalistička Poljoprivreda,1951. 115 p. 30.6 V44

19891 WASHINGTON. STATE COLLEGE. EXTENSION SERV. You can do a lot for 4-H Club work. Wash. State Col. Ext. C. 214,6 p.-folder. Oct.1952. 275.29 W27C

19892 WELTON, H. W. Improving the FFA chapter. Agr. Educ. Mag. 25:128. Dec.1952. 275.8 Ag8

19893 WHEELOCK, E. FFA in the Paradise of the Pacific. Future Farmer 25(3):4-6,10-11. Oct.1952 4 F983
FFA in Hawaii.

19894 WILD, L. J. The Royal Agricultural Society of New Zealand. New Zeal. Studmasters' Annu. Rev. 4:18. 1952. 49.7 N48

19895 ZACHARIAS, O. E., JR., and others. Are farmer cooperatives big business? Coop. Digest 13(5a): 20-23. Nov.15,1952. 280.28 C7896
H. A. Cowden, J. W. Sims, C. A. Becker, A. J. Smaby, and C. L. Dickinson, joint authors.

RURAL SOCIAL PSYCHOLOGY

19896 BUTLER, K. D. Who shall speak for farmers? Successful Farming 50(11):36-37,163. Nov.1952. 6 Su12
Includes opinions of leading farm organizations.

19897 LANDIS, P. H., and STONE, C. L. The relationship of parental authority patterns to teenage adjustments. Wash. Agr. Expt. Sta. B. 538,31 p. Sept.1952. 100 W27E

19898 LOVERING, F. W. Farm chores help rebuild youngsters' broken lives. Fla. Grower 60(8):11,13. Aug. 1952. 80 F6622

TRADE, FOREIGN AND INTERNATIONAL

19899 ALZIEU, A. L'orange tunisienne sur les marchés étrangers (resultats de la dernière campagne). B. Écon. et Social de la Tunisie 70:12-20. Nov.1952. 280.8 B874

19900 ARIOUX, A. J. Again the world's second largest market. Coffee & Tea Indus. 75(11):81,91. Nov.1952. 389.8 Sp4
French coffee trade.

19901 AVELLA, E. Die ausfuhr italienischer gartenbauerzeugnisse nach Deutschland. Obst u. Gemüse 4:889-890. Sept.18,1952. 286.83 Ob72

19902 BENZ, W. A. The Association in international trade. Assoc. Food Distrib. Foods World 1:17-18. 1951. 389.9 As76

19903 BOALS, G. P. Southeast Asia interested in flour. (Sum.) Mod. Miller & Bakers News 79(23):19. Nov.8,1952. 298.8 M72
World flour trade.

19904 BRAUN, C. J. Imports an important factor in nut supplies. Assoc. Food Distrib. Foods World 1:63-65. 1951. 389.9 As76

19905 BRAUSE, L. A. Los convenios de carnes con el Reino Unido; análisis del IX y su complementario. Montevideo,1951. 16 p. 50 B734

19906 CALVINO, E. M. Die aguacate (Persea drymifolia) als frucht für den export. Obst u. Gemüse 4:924-925. Sept.18,1952. 286.83 Ob72

19907 CAMERLINGO, V. Nüsse—ein wichtiges italienisches exporterzeugnis. Obst u. Gemüse 4:903. Sept.18,1952. 286.83 Ob72

19908 DANKS, A. J. Wheat and arable farming. (1). International aspects. Lincoln Col. Farmers' Conf. Proc. 1952:20-24. 27 L63
The International Wheat Agreement and statistics. Includes discussion.

19909 DANSMANN, H. Der weltfleischmarkt. Ber. über Landwirt. 30:342-366. Ref. 1952. 18 G31

19910 DIEBOLD, W., JR. Trade and payments in western Europe; a study in economic cooperation, 1947-51. New York,Harper,1952. 488 p. 286 D563T
Contains a chapter on integrating agriculture.

19911 EINDE. Trade in western European agricultural integration. II. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 6(39):1-2. Oct.3,1952. 286.28 V22

19912 EL SALVADOR. MINISTERIO DE ECONOMÍA. DIRECCIÓN GENERAL DE ESTADISTÍCA Y CENSOS. Comercio exterior, 1950. San Salvador,1952. 84 p. 254 Sa52E

19913 ELLIOT, D. J. Western Europe; a potential market for California fruit. San Francisco,Calif. Grape and Tree Fruit League,1952. 6 p. 286.393 EL5

19914 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. A reconsideration of the economics of the International Wheat Agreement. Food & Agr. Organ. United Nations. Commod. Policy Studies 1,40 p. Sept.1952. 281.9 F733C

19915 GUTTADAURO, G. Der sizilianische export von citrusfrüchten. Obst u. Gemüse 4:892-893. Sept.18, 1952. 286.83 Ob72

19916 HENSBERGEN, J. S. VAN. Holland—a leading transit market. Coffee & Tea Indus. 75(11):85. Nov. 1952. 389.8 Sp4
Coffee trade.

19917 HÖPPNER, R. Licht und schatten im aussenhandel. Obst u. Gemüse 4:900-901. Sept.18,1952. 286.83 Ob72
Fruit and vegetables in Italy and Germany.

19918 HOWE, C. D. Canada-United Kingdom wheat agreement. Ottawa?1951? 4 p. 286.359 H83

19919 INDIAN MERCANTILE CHAMBER OF CEYLON. Annual report for the year 1951. Colombo,1952. 103 p. 287 In25

19920 KOCH, E. Besorgnis und hoffnung. Obst u. Gemüse 4:974-975. Oct.2,1952. 286.83 Ob72
International trade.

19921 LESCOFFIER. L'exportation des produits agricoles danois. France. Min. de l'Agr. Rev. Etudes & Monog. 75:181-189. Ref. Oct.1952. 281.8 F84

19922 LIVERPOOL COTTON ASSOCIATION. A brief outline of the trading system recommended in the Hopkins Committee's report. Liverpool,1951? 4 p. 286.372 L75
Trade.

19923 LOUIS-DELAMARE, J. The coffee trade in Europe is on the right road at last. Coffee & Tea Indus. 75(11):79. Nov.1952. 389.8 Sp4

19924 LUNDBERG, S. Sweden's trade with Brazil. (In Swedish). Sweden. Komkol. Kom. Meddel. 39:445-450. Oct.1952. 257.3 K832K
Includes farm products.

19925 LUTEROTTI, A. Agrar-exportland Italien. Obst u. Gemüse 4:909. Sept.18,1952. 286.83 Ob72

19926 LUTZNER, H. Aktuelle wirtschaftsfragen zur zollpolitik. Deut. Bienenwirt. 3:225-226. Nov.1952. 424.8 D489

19927 LUTZNER, H. Wirtschaftswissenschaft für den imker honigeinfuhr und westdeutsche handelsbilanz. Deut. Bienenwirt. 3:226-228. Nov.1952. 424.8 D489

19928 MALTA. CENTRAL OFF. OF STATISTICS. The trade of the Maltese Islands, 1951, seventy-sixth year. Valletta,1952. 231 p. 256.02 M29C

19929 MARSHALL, D. A. B. The outlook for Canadian apples. Foreign Trade 12(310):5-8. Dec.6, 1952. 286.8 C162
Trade with Great Britain.

19930 MAUCH, A. The farmers' stake in foreign trade. Va. Agr. Col. Ext. Va. Farm Econ. 132:3-9. Aug. 1952. 275.29 V813

19931 MILOSEVSKI, J. Export of tobacco from Macedonian Peoples Republic in 1951. (In Serbo-Croatian.) Tutun 2:179-182. May 1952. 69.8 T88

19932 MOLTESEN, P. A. Supply of canned and dried milk for the British market. (In Danish.) Denmark. Landbrraadet. Meddel. 44:782-785. Oct.30,1952. 11 D415L
Chiefly import.

19933 MORTENSEN, E. World trade and consumption of tobacco with special emphasis on the changes in the consumption since the outbreak of the Second World War. World Tobacco Cong. Proc. 1:190-210. 1951. 69.9 W89P

19934 MURCHISON, C. T. Japan and the world cotton goods trade. Washington,Amer. Cotton Manufacturers Inst.,1951. 37 p. 304 M932

19935 NIGERIA. DEPT. OF STATISTICS. Trade report for the year 1950. London,1952. 168 p. 270 N562

19936 NOVASIO, D. Industrieprodukte von Deutschland—früchte aus Italien. Obst u. Gemüse 4:896-897. Sept.18,1952. 286.83 Ob72

19937 O'SHEA, A. P. Pedigree stock and pedigree seeds in combination, could sell abroad. New Zeal. Studmasters' Annu. Rev. 4:19. 1952. 49.7 N48

19938 PARREIRA, A. M. Coffee is the basis of Interamerican economic and political solidarity. Tea & Coffee Trade J. 103(5):84. Nov.1952. 68.8 T22

19939 PEPION, J. Coffee importing—has it changed? Coffee & Tea Indus. 75(11):21,49. Nov.1952. 389.8 Sp4

19940 PERNAMBUCO, BRAZIL (STATE). DEPT. ESTADUAL DE ESTATÍSTICA. Comércio de Pernambuco, resumo, 1951. Recife,1952. 76 p. 255.3 P424Co

19941 PERSIO FERRARI, O., and QUINTANILLA, R. H. Como se fiscaliza la fruta fresca destinada a exportación. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:421-424. 1951/52. 9 Ag874

19942 PHILLIPS, E. H. The historical significance of the tariff on rice. Agr. Hist. 26:89-92. July 1952. 30.98 Ag8

19943 REGGIO, E., and CAUSSE, A., III. America needs Europe. Assoc. Food Distrib. Foods World 1:60-62. 1951. 389.9 As76
Trade.

19944 RIO GRANDE DO SUL. DEPT. ESTADUAL DE ESTATISTICA. Anuário estatistico da exportação [Annual of export statistics] 1947-1950. Porto Alegre, 1951. 105 p. 255.3 R475

19945 ROCCA, B. T., JR. U.S. now fat seller; other lands use more at home. Natl. Provisioner 127(22):10-12. Nov.29,1952. 286.85 N21

19946 ROCKSTROH, W. Obst-export standardisiert. Obst u. Gemüse 4:940-943. Sept.18,1952. 286.83 Ob72

19947 SANTOS, J. N. DOS. General aspects of foreign trade. (In Portuguese.) Portugal. Agência Geral do Ultramar. B. Geral do Ultramar 28(325):91-105. July 1952. 264 Ag3
Portuguese trade, including food.

19948 STEIN, E. Obst und gemüse im aussenhandel Italiens. Obst u. Gemüse 4:925,928. Sept.18,1952. 286.83 Ob72

19949 STEWART, M. T. Sales opportunities, dairy cattle, dairy products. Foreign Trade 12(308):13-14. Nov.22,1952. 286.8 C162
Mexican trade.

19950 TERESHINA, V., and SHIL'DKRUT, V. The wool market of the capitalist countries. (In Russian.) Vneshn. Torg. 2(6):32-38. June 1952. 286.8 F762

19951 THEYS, E. Développement économique au Congo Belge. Soc. Belge d'Etudes et d'Expansion. B. 51:599-604. Aug./Oct.1952. 280.8 So17
Includes trade in agricultural products.

19952 THIELE, R. Umstrittenes einfuhrpreisrecht. Obst u. Gemüse 4:975-976. Oct.2,1952. 286.28 Ob72
Fruit and vegetables in Germany.

19953 U. S. BUR. OF ANIMAL INDUSTRY. Importation of game, trophies, etc. from Canada. Washington, 1952. 1 p. 1.972 A2Im72
Trade regulations.

19954 U. S. ECONOMIC COOPERATION ADMIN. SPECIAL MISSION TO THE UNITED KINGDOM. The sterling area; an American analysis. London,1951. 672 p. 173.2 Ec72Ste
Includes trade in agricultural products.

19955 VAN, W. R. Vegetable and other oils. Foreign Trade 12(304):9-10. Oct.25,1952. 286.8 C162
Canadian trade with Cuba.

19956 WIEHLER. Liberalisierungsliste erweitert; welche landwirtschaftlichen waren sind hinzugekommen? Hannoversche Land- u. Forstwirt. Ztg. 105:394. Apr.19, 1952. 18 H194

19957 YAGER, C. M. Export flour trade—its past and future. Mod. Miller & Bakers News 79(24):16-17. Nov.22,1952. 298.8 M72

19958 ZORN, O. G. Trade between United States and Cuba expected to remain at high levels. Tobacco [New York] 135(22):8. Nov.27,1952. 286.89 T552

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

19959 ASCHAM, L. Guide to good nutrition. Kans. State Col. Agr. & Appl. Sci. Sch. Home Econ. B. 22, 25 p. July15,1951. 321.9 K132

19960 CARROLL, M. E., and others. Group method of food inventory vs. individual study method of weighed food intake. Amer. Dietet. Assoc. J. 28:1146-1150. Ref. Dec.1952. 389.8 Am34
M. A. Wharton, B. L. Anderson, and E. C. Brown, joint authors.

19961 COLVER, D. E. A study of Pennsylvania school lunch programs managed by homemaking teachers and the responsibilities of these managers. State College, 1951. 48 p. Ref. 389 C72
Thesis (M.S.) - Pennsylvania State College.

19962 ECKBLAD, I. Family meals for special occasions; 4-H food and fun—Unit I. Wash. State Col. Ext. B. 466,12 p. Oct.1952. 275.29 W27P

19963 ELLUM, O. A plain man's thoughts on food. New Health 27(4):47-51. Winter 1952. 449.8 N45
And health.

19964 GEIGER, E. Nutritional problems connected with diabetes mellitus. Amer. Dietet. Assoc. J. 28:905-911. Ref. Oct.1952. 389.8 Am34

19965 GLASER, E. M. Lack of vitamins in the wartime army diet. Roy. Army Med. Corps. J. 99:25-33. Ref. Oct.1952. 448.9 R81

19966 HARRIS, B. C. Better health with culinary herbs. Boston,Christopher Pub. House,1952. 182 p. 97.21 H24

19967 HELBURN, B. Nutrition clinic for garment workers. Amer. Dietet. Assoc. J. 28:1060,1062,1064. Nov.1952. 389.8 Am34

19968 HERSMAN, M. F. The influence of the physical plant on the participation in the school lunch program, as reported by a sample of West Virginia high schools, 1950-51. Morgantown, W. Va.,1951. 50 p. 389 H43
Thesis (M.S.) - West Virginia University.

19969 JACQUOT, R., and BIROLAUD, P. La levure aliment dans l'économie française. Cong. Internaz. Indus. Agr. Relaz. 9(1):1293-1318. Ref. 1952. 388 C765Re
English summary.

19970 JEFFERS, M. K. State provisions for school lunch programs; laws and personnel. U. S. Off. Educ. B. 4,40 p. 1952. 156.3 B87

19971 JONES, T. Nutrition program in the Virgin Islands. J. Home Econ. 44:704-706. Nov.1952. 321.8 J82

19972 LOWENBERG, M. E. Teaching nutrition to boys and girls. (Sum.) J. Home Econ. 44:792-793. Dec.1952. 321.8 J82

19973 LOWENBERG, M. E. Working together in a community nutrition program. Amer. Dietet. Assoc. J. 28:1129-1132. Dec.1952. 389.8 Am34

19974 MOSTILLER, P. A study of the managerial problems of the school lunch program in two parishes in Louisiana. University Station, Baton Rouge,1951. 71 p. 389 M856
Thesis (M.S.) - Louisiana State University and Agricultural and Mechanical College.

19975 MURRAY, J., and others. Collection methods in dietary surveys; a comparison of the food list and record in two farming areas in the South. South. Coop. Ser. B. 23,66 p. Apr.1952. 100 G29So
E. C. Blake, D. Dickins, and A. M. Moser, joint authors. Cooperatively conducted by home economists in the Agricultural Experiment Stations of Arkansas, Mississippi, South Carolina, Tennessee, and Virginia and the U. S. Bureau of Human Nutrition and Home Economics.

19976 NOBLE, D. L. An experiment in nutrition education. Canad. J. Pub. Health 43:430-433. Oct.1952. 449.8 P964

19977 OHLSON, M. A., and others. Utilization of an improved diet by older women. Amer. Dietet. Assoc. J. 28:1138-1143. Ref. Dec.1952. 389.8 Am34
L. Jackson, R. M. Beegle, D. Dunsing, and E. C. Brown, joint authors.

19978 SHEEHAN, K. I. Trends in the school lunch program. J. Home Econ. 44:697-700. Nov.1952. 321.8 J82

19979 SPECTOR, H. Nutritional considerations in designing combat rations. Nutr. Rev. 10:289-293. Oct.1952. 389.8 N953

19980 TANGANYIKA. MEDICAL DEPT. Annual report for the year ended 31st December 1951. Dar es Salaam,1952. 74 p. 449.75 T15
Report of the Medical Laboratory, 28 p. laid in.
Includes nutrition and food sanitation.

19981 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Helping families plan food budgets. U. S. D. A. Misc. P. 662,rev.,16 p. Oct.1952. 1 Ag84M
Nutritionally adequate meals for the money spent for food.

19982 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. A partial list of references on nutrition. Washington,1952. 1 p. 1.982 A2P258

19983 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Quantity recipes using honey. Washington, 1952. 13 p. 1.982 A2Q22

19984 U. S. INTERAGENCY COMMITTEE ON NUTRITION EDUCATION AND SCHOOL LUNCH. Goals of school lunch programs; a statement. Washington,1952. 2 p. 173 In829G

19985 U. S. PRODUCTION AND MARKETING ADMIN. Quantities of protein-rich foods to meet type A school lunch requirements. Washington,1952. 2 p. 1.956 A2Q23
U. S. Bureau of Human Nutrition and Home Economics cooperating.

19986 WENG, L. A study of lay publications on child feeding. Amer. Dietet. Assoc. J. 28:927-932. Oct.1952. 389.8 Am34

19987 WILSON, O. M., and ESSELBAUGH, N. C. Nutritional status of ten family groups in Washington state. I. Effect of nutrition education on food habits. Amer. Dietet. Assoc. J. 28:1133-1137. Dec.1952. 389.8 Am34

19988 YOUMANS, J. B. Some current aspects of nutrition. Amer. Dietet. Assoc. J. 28:1029-1035. Ref. Nov.1952. 389.8 Am34

FOOD HABITS

19989 GUPTA, P. N. S. Investigations into the dietary habits of the aboriginal tribes of the Abor Hills (north-eastern frontier). I. Indian J. Med. Res. 40:203-218. Apr.1952. 448.8 In22

19990 JOYCE, A. T. Changing food habits and their effect on bakery products consumption. Bakers Wk. 156 (11):45-48. Dec.15,1952. 389.8 B172

19991 LAL, S. B. Changes in dietary habits and physique of Hos. Indian J. Med. Res. 40:193-201. Apr. 1952. 448.8 In22

19992 LOLLI, G., and others. Relationships between intake of carbohydrate-rich foods and intake of wine and other alcoholic beverages; a study among Italians and Americans of Italian extraction. Q. J. Studies Alcohol 13:401-420. Sept.1952. 390.8 Q2
E. Serianni, G. Golder, A. Mariani, and M. Toner, joint authors.

19993 MCGUINNESS, G. E. Dietitian's food notes from assignment in Peru. J. Home Econ. 44:718. Nov. 1952. 321.8 J82
Food habits and nutrition.

19994 RUMMELL, L. L. Seller's role in building food habits. South. Dairy Prod. J. 52(5):122-124,126-127. Nov.1952. 44.8 So83

19995 UNUSUAL sources of food. Food Mfr. 27: 491-494. Dec.1,1952. 389.8 F736
Food habits.

19996 YOUNG, C. M., and others. Cooperative nutritional status studies in the Northeast Region. III. Dietary methodology studies. Mass. Agr. Expt. Sta. B. 469,95 p. Ref. Aug.1952. 100 M38H
F. W. Chalmers, H. N. Church, M. M. Clayton, L. O. Gates, G. C. Hagan, B. F. Steele, R. E. Tucker, A. W. Wertz, and W. D. Foster, joint authors.

NUTRITIVE AND VITAMIN CONTENT

19997 ABRAHANSSON, E. On the importance of milk in human nutrition. (In Swedish.) Beten-Vallar-Mossar 4:35-37,42,45. Apr.1952. 11 B46

19998 ALBERTA. DEPT. OF AGRICULTURE. Wild rose hips for vitamin C. Alberta. Dept. Agr. C. 68, 6 p.-folder. 275.29 AL122

19999 CHARLEY, V. L. S. Soft drinks and fruit juices with comments on their nutritional value. Chem. & Indus. 45:1090-1097. Ref. Nov.8,1952. 382 M31C

20000 COWGILL, G. R. Improving the quality of staple foods. Borden's Rev. Nutr. Res. 13:73-84. Ref. Sept.1952. 389.8 B64
Food fortification.

20001 CREMER, H. D. Die ernährungsphysiologische bedeutung von topinambur. Landwirt. Forsch. 2: 104. 1952. 18 L2333A
In human nutrition.

20002 DELINDATI, G. Vitamin H in tomatoes and the preserved products. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):1279-1290. Ref. 1952. 388 C765Re

20003 DUCKWORTH, J. Factors affecting cereals as a food. Chem. & Indus. 47:1139-1145. Ref. Nov.22, 1952. 382 M31C
Factors affecting nutritive value.

20004 FLACCOMIO, E. Olive oil a source of health. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(99): 4-5. Nov.25,1952. 281.8 Ag3
Nutritive value.

20005 FUNCK, B. Das ei als nahrungsmittel. Deut. Wirtgeflügelzucht. 4:570-571. Aug.30,1952. 47.8 D483

20006 FUNCK, B. Das ei als nahrungsmittel. Deut. Wirtgeflügelzucht. 4:579-580. (Concl.) Ref. Sept.6,1952. 47.8 D483

20007 GT. BRIT. MINISTRY OF EDUCATION. Ready reckoner of food values; protein, fat and calorie values of foods by standard quantities for the use of caterers. London,H. M. Stationery Off.,1951. 58 p. 389 G7962

20008 HOPKINS, D. P. Calcium and vitamins in milk. Dairyman 69:669,671. Nov.1952. 44.8 D1426

20009 JACQUOT, R. Aspect physiologique et alimentaire de l'emploi de poudre de lait en panification. Cong. Internaz. Indus. Agr. Relaz. 9(2):701-712. Ref. 1952. 388 C765Re
English summary.

20010 KENNEDY, B. M., and TSUJI, F. Thiamine retention in brown rice. Amer. Dietet. Assoc. J. 28:1144-1145. Dec.1952. 389.8 Am34

20011 KIRKHENSHTEĬN, A. M. Chto noobkhodimo znat' o polnofsennoĭ pishche [What's necessary to know about full-value food]. Moskva,Pishchepromizdat,1952. 134 p. 389.1 K63

20012 LANG, K. Der ernährungsphysiologische wert der margarine. Milch- Fettwaren- Eierhandel 4: 486. Oct.4,1952. 286.85 M59

20013 MITOLO, M. Biological importance of the chief constituents in food fats of animal and vegetable origin. (In Italian.) Cong. Internaz. Indus. Agr. Relaz. 9(1):835-866. 1952. 388 C765Re
English summary.

20014 MORGAN, A. F. The effect of heat on the biological value of proteins. J. Home Econ. 44:761-764. Dec.1952. 321.8 J82
Effects on nutritive value of protein foods.

20015 ORSHOVEN, A. VAN. Nutritive and therapeutic value of the Belgian grape. (In Dutch.) In Internationaal Congres van de Tafeldruif. Verslagen en notulen, p.23-34. Hoeilaart,Gemeentehuis,1951. 95.09 In82

20016 PACOTTET, P. Vitamines et jus de fruits. Fruits & Dérivés 16:9-11. 1952. 389.68 J98
English summary.

20017 PAUL, P. C., and others. Nutritive value of canned foods. XLIV. Enzyme inactivation and ascorbic acid retention in vegetables blanched and held under different conditions prior to canning. Food Technol. 6: 464-467. Ref. Dec.1952. 389.8 F7398
W. F. Robertson, W. H. Case, and R. E. Marshall, joint authors.

20018 RAKIETEN, M. L., and others. Comparison of some constituents in fresh-frozen and freshly squeezed orange juice. II. Amer. Dietet. Assoc. J. 28:1050-1053. Ref. Nov.1952. 389.8 Am34
B. Newman, K. G. Falk, and I. Miller, joint authors.
Nutritive value.

20019 ROMER, R. R. Das ei. Deut. Kleintier-Züchter. Ausg. Geflügel 7(17):5-6. (Cont.) Sept.5,1952. 47.8 D484
Nutritive value.

20020 SCHMIDT, H. W. Nahrungs- und heilmittel "honig." Nordwestdeut. Imkerztg. 4:371-373. Nov.1952. 424.8 N753

20021 TALLARICO, G. This sun of ours. (In Italian.) Terra e Sole 122:343-344. Oct.1952. 16 T273
Vitamins in Italian fruits and vegetables.

20022 THOMAS, G. C. The background of the enrichment program in the United States. Mod. Miller & Bakers News 79(23):20-21,39. Nov.8,1952. 298.8 M72

20023 TRÉMOLIERES, J., and CLAUDIAN, J. La répercussion sur l'équilibre de la ration alimentaire du français de l'incorporation de poudre de lait dans le pain. Cong. Internaz. Indus. Agr. Relaz. 9(2):665-700. 1952. 388 C765Re

20024 WAGNER, K. H. Der gehalt der ultra-violett bestrahlten milch an D-vitaminen. Milchwissenschaft 7: 396-404. Ref. Nov./Dec.1952. 44.8 M5933
English summary.

20025 WAGNER, K. H. Die vitamin-A-verluste bei höheren temperaturen. Milchwissenschaft 7:394-395. Nov./Dec.1952. 44.8 M5933
In milk.

20026 WODSAK, W. Die haltbarkeit von vitamin A in mit vitamin A angereicherten lebensmitteln. (Sum.) Fette u. Seifen 54:618-619. Oct.1952. 384 C422

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

20027 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. Almanaque, 1951 - 52, años XXVI-XXVII. Buenos Aires,1952. 447 p. 9 Ag874

20028 ARIZONA. AGRICULTURAL EXPERIMENT STATION. List of available publications of the Agricultural Experiment Station and the Agricultural Extension Service. Ariz. Agr. Expt. Sta. Spec. B.,20 p. July 1952. 100 Ar4L

20029 BASUTOLAND. DEPT. OF AGRICULTURE. Annual report for the year 1951. Maseru,1952? 33 p. 24 B29

20030 BELLACK, E., and DEWITT, J. B. Procedure for the analysis of zinc phosphide rodenticides. Assoc. Off. Agr. Chem. J. 35:917-920. Nov.15,1952. 381 As7

20031 CANNON, G. Warfarin; rats must drink to live; now, with liquid warfarin, they can drink themselves to death. Farm Q. 7(4):34-35,130-134. Winter 1952. 6 F22995

20032 CONGRESSO INTERNAZIONALE INDUSTRIE AGRARIE, 9, ROME, 1952. Relazioni [Reports]. Roma, 1952. 2 v. 388 C765Re

20033 DANSK HEDESELSKAB. Annual report of the Danish Heath Society 1951-52. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 73:151-167. (Concl.) Aug.15,1952. 11 H35

20034 FABRE, R. L'emploi des toxiques en agriculture et la sauvegarde de la santé publique. Phytoma 5 (40):31-32. Aug./Sept.1952. 464.8 P563

20035 FARKASH, E. First Congress of the Hungarian Microbiological Society. (In Russian.) Priroda 41(8):81-84. Aug.1952. 410 P933

20036 GARCIA-GUTIERREZ, A. G. Agentes tóxicos y enzimas. Rev. Indus. y Fabril 7:384-389. July 1952. 297.8 R322
Economic poisons used in agriculture.

20037 GOLD COAST. DEPT. OF AGRICULTURE. Annual report, 1950-51. Accra,1952. 29 p. 24 G56

20038 GOOSSEN, H. Kann man das dorf rattenfrei halten? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 1952. Nov.27,1952. 18 L2346

20039 HANSBERRY, R. Desarrollo reciente de la química agrícola. Turrialba 2:92-98. July/Sept.1952. 8 T86

20040 HAWAIIAN ACADEMY OF SCIENCE. Proceedings, twenty-seventh annual meeting, 1951-1952. Honolulu,1952. 14 p. 500 H31A

20041 ILLINOIS. DEPT. OF AGRICULTURE. Thirty-fourth annual report for the fiscal year beginning July 1, 1950, and ending June 30, 1951. Springfield,1952? 129 p. 2 I16R

20042 INDIAN SCIENCE CONGRESS, 39, CALCUTTA. 1952. Proceedings. II. Presidential addresses. Calcutta,1952. 273 p. 513 In22

20043 KENYA DEPT. OF AGRICULTURE. Annual report 1950, vol. II. Nairobi,1952. 186 p. 24 Af8A

20044 KRONOBERGS LANS HUSHALLNINGSSALLSKAP. Förvaltningsutskottets berättelse för ar 1950 [Report of Kronoberg Province Agricultural Society for the year 1950]. (In Swedish.) Kronobergs Läns Hushällsk. Handl. 87:30-234. 1951. 11 K92

20045 LOS ANGELES COUNTY, CALIFORNIA. AGRICULTURAL COMMISSIONER. Annual report, fiscal year ending June 30,1952. Los Angeles,1952. 46 p. 81 L89A

20046 MADHYA PRADESH. AGRICULTURE DEPT. Progress of agriculture in Madhya Pradesh during the period 1941-50. Nagpur,1952. 26 p. 22 C3332

20047 MONTANA. AGRICULTURAL EXPERIMENT STATION. List and indexes of Montana Agricultural Experiment Station bulletins and circulars, 1894-1951. Bozeman,1952. various pagings. 100 M76L

20048 NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. List of technical bulletins. Lincoln,1952. 6 p. 275.29 N272Lit

20049 NOTINI, G., and others. Vildkaninen på Gotland. The rabbit problem in the Gotland Island. Sweden. Skogshögsk. Skr. 9,112 p. Ref. 1952. 99.9 St63
S. Forselius, S. Bramford, and B. Mellström, joint authors.
English summary.

20050 ÖREBRO LÄNS HUSHÅLLNINGSSÄLLSKAP. Arsskrift, 1952. [Yearbook of Örebro Province Agricultural Society]. Örebro,1952. 231 p. 11 Or3

20051 PROKHOROV, M. I. Role of Russian scientists in discovering and developing the bacteriological method for controlling damaging rodents. (In Russian.) Mikrobiologiia 21(1):109-115. Ref. Jan./Feb.1952. 448.3 M582

20052 RAWEY, E., LOW, J. B., and SHARP, D., JR. The muskrat, a farm crop. Utah. State Agr. Col. Ext. C. 168,16 p. June 1952. 275.29 Ut1

20053 SALA, E. Chemie im dienste der landwirtschaft. Chem. Indus. [Dusseldorf] 4:861-868. Oct.1952. 384 C4222

20054 SCHNICKER, J. L. Control of chemicals in the fiscal year 1951-52. (In Danish.) Tidsskr. f. Planteavl 55:700-722. 1952. 11 T439

20055 SCHOBER, K. Eine neue methode der rattenbekämpfung. Landwirtschaft 19/20:293-294. Oct.1952. 19 L235
Austria.

20056 SINGAPORE. DEPT. OF AGRICULTURE. Report, 1950. Singapore,1951. 22 p. 22.5 Si6

20057 SKARABORGS LANS HUSHALLNINGSSALLSKAP. Almanack ar 1952, [Almanac year 1952], v. 25. Skara,1951. 196 p. 11 Sk1A

20058 U. S. DEPT. OF AGRICULTURE. DEPT. COMMITTEE ON PATENT POLICY. Patent manual for employees of the United States Department of Agriculture. Rev. Washington,1952. 94 p. 1.90 C2P27

20059 VÄSTERBOTTENS LÄNS HUSHÅLLNINGSSÄLLSKAP. Handlingar [Proceedings of the Västerbotten Province Agricultural Society] 1951. Umeå,1951. 199 p. 11 V44H

20060 WIEHL, E. F. Who pays if farm chemicals damage neighbor? Wash. Farmer 77(21):847,878. Nov. 6,1952. 6 R 151
Liabilities of using dusts or sprays.

20061 WRIGHT, P. F. Two years of successful rat control in Sonoma County. Nulaid News 30(7):17-18. Dec. 1952. 47.8 N917

HISTORY AND BIOGRAPHY

20062 AHLBERG, O. In memoriam Ivar Trägårdh. (In Swedish.) Opusc. Ent. 17:100-102. 1952. 421 Op7

20063 BRÉTIGNIÈRE, L. L'agriculture du XVIIe siècle à la fin du XVIIIe. Agriculture [Paris] 16:221-222. Sept.1952. 14 Ag823
Europe.

20064 CANDIDA, F. Farmer Verdi. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(99):6-7. Nov.25, 1952. 281.8 Ag3
Giuseppe Verdi.

20065 EDMUNDS, H. Early days of the Breconshire Agricultural Society (1755-1810). Gt. Brit. Min. Agr. Agriculture 59:338-342. Oct.1952. 10 G79J

20066 FINK, B. They're insects, not 'bugs.' Wis. Country Mag. 46(2):5. Nov.1952. 276.8 St9
Biography of C. L. Fluke.

20067 HARVEY, N. A farmer's year in the 1890s. Land Agents' Soc. J. 51:437-441. Oct.1952. 282.9 L22
Great Britain.

20068 JENSEN, H. M. The man behind the method. V. (In Danish.) Nord. Mejeri-Tidsskr 18:148-149. 1952. 44.8 N752
T. Henkel and P. Dornic.

20069 JETER, F. Reuben Brigham: something of the ideals, the principles, and the vision which governed the professional life of this great pioneer agricultural information specialist. Raleigh?N.C.,Amer. Assoc. Agr. Col. Ed., The Reuben Brigham Award Com.,1952? 4 p. 120 B762

20070 KMENT, A. Prof. Dr. A. Tschermak-Seysenegg. Wien. Tierärztl. Monatsschr. 39:649-651. Nov.1952. 41.8 T345

20071 KRARUP, F. Fr. Brammer, 27/7 1872—3/7 1952. (In Danish.) Dansk Skovfor. Tidsskr. 37:425-438. Sept.1952. 99.8 D23

20072 LINDROTH, C. H. In memoriam Folke Kinnmark. (In Swedish.) Opusc. Ent. 17:105-106. 1952. 421 Op7

20073 MALAISE, R. In memoriam Yngve Sjöstedt. (In Swedish.) Opusc. Ent. 17:103-104. 1952. 421 Op7

20074 MALIS, O. Vailli Robertovich Vil'iams. (In Czech.) Za Socialist. Zemědél. 2:221-227. Feb.1952. 19.5 Z1

20075 OSBORN, H. In memoriam: Clarence Hamilton Kennedy, 1879-1952. Ent. Soc. Amer. Ann. 45:361-363. Sept.1952. 420 En82

20076 PARODI, L. R. Ada I. Pastore. Rev. Argentina de Agron. 19:189-190. Sept.1952. 9 R327

20077 PEIRIS, E. Paul Hermann the father of Ceylon botany. Roy. Asiatic Soc. Ceylon Br. J. (n.s.)2:1-20. Ref. 1952. 513 C72

20078 PESCE, G. Remembrance of Dario Guzzini. (In Italian.) Italia Agr. 89:697-700. Oct.1952. 16 It1

20079 PIPER, W. E. What Johnny Appleseed [John Chapman] means to us. Mega 12(4):18-21. Sept.1952. 90.32 M52B

20080 QUINTANILHA, A. Richard B. Goldschmidt. Portugaliae Acta Biol. Sér. A. 1949/51:xi-xvi. 442.8 P83

20081 ROE, F. G. Early agriculture in western Canada in relation to climatic stability. Agr. Hist. 26: 104-123. July 1952. 30.98 Ag8

20082 ROGERS, C. H. George James Wilds, Jr. 1889-1951. Phytopathology 42:485. Sept.1952. 464.8 P56

20083 RUSSELL, SIR J. Most highly mechanized in the world. Farmer & Stock-Breeder 66(3289):44-45. Nov.4/5,1952. 10 F228
Changes in farming in the last fifty years.

20084 RUSSELL, SIR J. They bequeathed us more than we shall hand on. Farmer & Stock-Breeder 66 (3288):33,35. Oct.28/29,1952. 10 F228
The men who built traditions and material resources in the early twentieth-century.

20085 SIRMER, A. D. I. Mendeleev (1834-1907). (In Czech.) Za Socialist. Zemědél. 2:714-718. June 1952. 19.5 Z1

20086 SOREAU, E. L'agriculture, du XVIIe siècle à la fin du XVIIIe siècle. Acad. d'Agr. de France.Compt. Rend. 39:461-463. June 25/July 9,1952. 14 P215Bc

20087 SPÖRRI, H. Professor Dr. Walter Frei zum 70. geburtstag. Schweiz. Arch. f. Tierheilk. 94:679-684. Nov.1952. 41.8 Sch9

20088 TAVARES, C. N. Centenary of the birth of the botanist D. Antonio Xavier Pereira Coutinho (1851-1939). (In Portuguese.) Soc. Portug. de Ciên. Nat. B. (ser.2)3(2):i-iv. 1951. 506 So1

20089 TURNER, C. W. Virginia agricultural reform, 1815—1860. Agr. Hist. 26:80-89. July 1952. 30.98 Ag8

20090 TUXEN, S. L. C. H. Bornebusch. 29. Januar 1886—13. Juni 1951. (In Danish.) Ent. Meddel. 26:245-246. 1952. 421 En82

20091 TUXEN, S. L. Ivar Trägårdh. 16. September 1878—22. Maj 1951. (In Danish.) Ent. Meddel. 26:243-244. 1952. 421 En82

20092 TUXEN, S. L. J. P. Kryger. 24. November 1874—23. November 1951. (In Danish.) Ent. Meddel. 26: 231-243. 1952. 421 En82
Includes a list of his publications.

20093 U. S. NAVY DEPT. Historical sketch of the naval administration of the Government of American Samoa, April 17, 1900-July 1, 1951, by T. F. Darden. Washington,1952. 39 p. 153.1 H62
Includes agriculture.

20094 VETHE, K. The Norwegian Marsh Society. Memorial report 1902-1952. (In Norwegian.) Norske Myrselsk. Meddel. 50:133-240. Aug.-Oct.1952. 11 N813

20095 WHITMORE, E. John Jacob Myers and the early cattle drives. West. Brand Book 9:57-59,63-64. Oct.1952. 135 W52

20096 WOLFF, N. L. Ejvind Kjær. 22. April 1885—4. Oktober 1951. (In Danish.) Ent. Meddel. 26:247-249. 1952. 421 En82

20097 ZUNKER, M. Zum 100. geburtstage Friedrich Loefflers am 24. juni 1952. Monatsh. f. Prakt. Tierheilk. 4:367-370. 1952. 41.8 M74

HOME MANAGEMENT

20098 DICKERSON, L. B. Furniture arrangement. Wash. State Col. Ext. B. 464,4 p. Oct.1952. 275.29 W27P

20099 GRIMES, M. A., and WERMAN, C. A. Effect of laundering on shirts. Tex. Agr. Expt. Sta. Prog. Rpt. 1504,4 p. Oct.31,1952. 100 T31P

20100 JOHNSON, T. The art of mending. Utah. State Agr. Col. Ext. C. 162,12 p. n.d. 275.29 Ut1

20101 JOHNSON, T. Press as you sew. Utah. State Agr. Col. Ext. C. 161,15 p. n.d. 275.29 Ut1

20102 RYAN, M. S. Psychological effects of clothing. I. Survey of the opinions of college girls. N. Y. (Cornell) Agr. Expt. Sta. B. 882,39 p. Sept.1952. 100 N48C

20103 WEAVER, E. K., PLONK, M. A., and BORDT, M. F. Laundering blankets in automatic washers and dryers. Ohio. Agr. Expt. Sta. Res. B. 717,43 p. Ref. Oct.1952. 100 Oh3S

INTERNATIONAL RELATIONS

20104 SCHABEN, L. J. A study in agricultural relations. Assoc. Food Distrib. Foods World 1:70-73. 1951. 389.9 As76
Work of the Office of Foreign Agricultural Relations of the U. S. Dept. of Agriculture.

METEOROLOGY

20105 CRUZ, S. R., and MENDOZA, T. A. Agricultural meteorology: Philippine rainfalls. Soil Sci. Soc. Philippines. J. 4:163-174. Third Q.1952. 56.9 So35

20106 HOUNAM, C. E. Climate of the north-west Wheat Belt of N.S.W. with special reference to rainfall over marginal areas. Austral. Commonwealth Met. Bur. Studies Appl. 4,31 p. 1950,pub.1951. 346 Au7S

20107 LASSALLE, J. C. Grafico para el pronostico permanente del tiempo utilizable en la región bonaerense. Argentina. Min. de Agr. y Ganad. Almanaque 26/27: 342-344. 1951/52. 9 Ag874

20108 MASEROLI. An efficient method of hail control. (In Italian.) Avvenire Agr. 60:227. Sept.1952. 16 Av9
Italy.

20109 MORILLO, M. El arte de prever el tiempo en agricultura. Agricultura [Madrid] 21:555-558. Oct. 1952. 15 Ag84

20110 RAIMONDO, G. Hail control research and development in Italy. (In Italian.) Cam. di Com. Indus. e Agr. di Alessandria. Rass. Econ. 6(8):9-10. Aug.1952. 287 AL24

20111 RUFIN, G. La défense contre la grêle. Jura Agr. (n.s.)100:1. June 1,1952. 14 J97

20112 TUNKS, F. Winning with the weather. Iowa Agr. 51(3):16-17,53. Nov.1952. 6 Io9
Research on weather and its relationship to agriculture at Iowa State College.

PERSONNEL

20113 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Career service opportunities in the United States Department of Agriculture. U. S. D. A. Handb. 45, 52 p. Aug.1952. 1 Ah84Ah
Supersedes Miscellaneous Publication 675.

20114 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Employment opportunities in the Department of Agriculture for college students graduating on or before June 30, 1953. Washington,1952. 19 p. 1.917 A2Em76

RESEARCH

20115 CENTRAAL INSTITUUT VOOR LANDBOUWKUNDIG ONDERZOEK. Verslag van het Centraal Instituut voor Landbouwkundig Onderzoek, 1951. [Report of the Central Institute of Agricultural Research for 1951]. Wageningen,1952. 173 p. 281.9 W12
English summaries.

20116 COMMONWEALTH AGRICULTURAL BUR. Twenty-third annual report of the Executive Council 1951-52. London,1952. 51 p. 10 Im72
Research.

20117 COUGHLIN, T., and VINCENT, G. G. Every phase of agriculture comes under the expert eye of the country's leading scientists to make your farm a better farm. Canad. Tractor Farming 34(1):3-5. 1952. 58.8 C162
Work of the Dominion Experimental Farm.

20118 GISIGER, L. Bericht über die tätigkeit der Eidg. Agrikulturchemischen Anstalt Liebefeld-Bern im jahre 1951. Landwirt. Jahrb. der Schweiz (n.s.)1:755-780. Ref. 1952. 17 L23

20119 HURT, B. C. JR. Newly established branch station studies Pontotoc Ridge-Flatwood problems. Miss. Farm Res. [Miss. Sta.] 15(9):6. Sept.1952. 100 M69Mi

20120 KENTUCKY. AGRICULTURAL EXPERIMENT STATION. Results of research in 1951; 64th annual report. Lexington,1952. 80 p. 100 K41

20121 MAUNDER, A. H. Reasons for the large gap existing between scientific research and its practical application: ways and means of carrying out the remedy. Cong. Internaz. Indus. Agr. Relaz. 9(1):127-136. 1952. 388 C765Re

20122 NORWAY. RÅDET FOR JORDBRUKSFORSØK. The organization of agricultural research in Norway. Oslo,1951. 20 p. 33.11 N835

20123 NOVAK, A. Far Eastern Scientific-Research Institute of Agriculture and Animal Husbandry. (In Russian.) Kolkhoz. Proizvodstvo 12(10):56-58. Oct. 1952. 281.8 K83

20124 PALLADIN, A. V. Scientists of Soviet Ukraine—for the great project of communism. (In Russian.) Priroda 41(8):67-71. Aug.1952. 410 P933
Research.

20125 PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; sixty-fifth annual report. Pa. Agr. Expt. Sta. B. 553,69 p. July 1952. 100 P381

20126 SELSKAPET FOR NORGES VEL. Report on the activities of the Royal Society for the Welfare of Norway during the season 1/7 1951-30/6 1952. (In Norwegian.) Tidsskr. f. det Norske Landbr. 9/10(sup.),69 p. Sept./Oct.1952. 11 T433
A society for agricultural research.

20127 STUBBE, H. German Academy of Agricultural Sciences in Berlin. (In Czech.) Za Socialist. Zeměděl. 2:748-754. July 1952. 19.5 Z1

20128 TROCHAIN, J. L. L'Institut d'Études Centrafricaines. Cahiers Franç. d'Inform. 215:17-21. Nov. 1,1952. 280.8 C11
Agricultural research included.

20129 U. S. AGRICULTURAL RESEARCH CENTER. The Agricultural Research Center of the United States Department of Agriculture. U. S. D. A. Agr. Handb. 43, 48 p. 1952. 1 Ag84Ah
Supersedes Miscellaneous Publication No. 697.

20130 WATSON, SIR J. A. S. Research for plenty. 1. Challenge to science. Gt. Brit. Min. Agr. Agriculture 59:351-355. Nov.1952. 10 G79J
In relation to the problem of feeding the expanding population.

STATISTICS

20131 BAHADUR, R. R., and SASTRY, K. V. R. Training courses in agricultural statistics. Indian Council Agr. Res. Statis. Newslet. 2(2):1-12. July 1952. 22 In223

20132 FOOTE, R. J., and FOX, K. A. Seasonal variation: methods of measurement and tests of significance. U. S. D. A. Agr. Handb. 48,16 p. Sept.1952. 1 Ag84Ah

20133 HEALY, M. J. R. The analysis of lattice designs when a variety is missing. Empire J. Expt. Agr. 20:220-226. July 1952. 10 Em7

20134 HOPP, H. Biometry, new tool for progress in underdeveloped areas. Foreign Agr. 16:179-181. Oct. 1952. 1.9 Ec7For
With particular reference to the Point Four Program.

20135 SILVA, J. F. DA. Notes on statistics. (In Portuguese.) Agros [Lisboa] 35:231-249. (Concl.) Ref. July/Oct.1952. 15.5 Ag82
Methods.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Handbooks

U. S. AGRICULTURAL RESEARCH CENTER. The Agricultural Research Center of the United States Department of Agriculture. U. S. D. A. Agr. Handb. 43, 48 p. 1952. 1 Ag84Ah
Supersedes Miscellaneous Publication No. 697.

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Career service opportunities in the United States Department of Agriculture. U. S. D. A. Handb. 45, 52 p. Aug.1952. 1 Ah84Ah
Supersedes Miscellaneous Publication 675.

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Directory of activities, 1952. U. S. D. A. Agr. Handb. 47,131 p. Sept.1952. 1 Ag84Ah
Supersedes Miscellaneous Publication 645.

FOOTE, R. J., and FOX, K. A. Seasonal variation: methods of measurement and tests of significance. U. S. D. A. Agr. Handb. 48,16 p. Sept.1952. 1 Ag84Ah

Agricultural Information Bulletins

WOLGAMOT, I. H. Beef, facts for consumer education. U. S. D. A. Agr. Inform B. 84,21 p. Ref. Sept.1952. 1 Ag84Ab

Circulars

WEIMER, J. L. Lupine anthracnose. U. S. D. A. C. 904,17 p. Aug.1952. 1 Ag84C

OLSON, R. O., and HEADY, E. O. Economic use of forages in livestock production on Corn Belt farms. U. S. D. A. C. 905,44 p. Ref. July 1952. 1 Ag84C

Farmers' Bulletins

MATTOON, W. R. Slash pine [Pinus caribaea]. U. S. D. A. Farmers' B. 1256,rev.,56 p. 1951. 1 Ag84F

HOSTERMAN, W. H. High-grade alfalfa hay; methods of producing, baling, and loading for market. U. S. D. A. Farmers' B. 1539,rev.,29 p. June 1952. 1 Ag84F

PORTE, W. S. Commercial production of tomatoes. U. S. D. A. Farmers' B. 2045,46 p. Sept. 1952. 1 Ag84F
Supersedes Farmers' Bulletin 1338.

Leaflets

U. S. DEPT. OF AGRICULTURE. Futures markets. Commodity Exchange Act and Commodity Exchange Authority. U. S. D. A. L. 330,12 p. 1952. 1 Ag84L

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Drying shelled corn and small grain with heated air. U. S. D. A. L. 331,12 p. Sept.1952. 1 Ag84L

Marketing Research Reports

JASPER, A. W. Poultry farm practices and egg quality. U. S. D. A. Mktg. Res. Rpt. 22,28 p. May 1952. 1 Ag84Mr

FARSTAD, E., and BRENSIKE, V. J. Costs of retailing meats in relation to volume. U. S. D. A. Mktg. Res. Rpt. 24,25 p. Aug.1952. 1 Ag84Mr

MCLURE, J. H., and ASHBY, W. L. Market outlets for cotton in some of the principal cotton fabrics. U. S. D. A. Mktg. Res. Rpt. 25(sup.1),77 p. Sept.1952. 1 Ag84Mr

Miscellaneous Publications

KEEN, F. P. Insect enemies of western forests. U. S. D. A. Misc. P. 273,rev.,280 p. Ref.,p.246-254. July 1952. 1 Ag84M

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Helping families plan food budgets. U. S. D. A. Misc. P. 662,rev.,16 p. Oct.1952. 1 Ag84M

Program Aid

SABROSKY, L. K. Meeting the basic needs of first-year 4-H Club members. U. S. D. A. PA-203,10 p. Aug.1952. 1 Ag84Pro

U. S. DEPT. OF AGRICULTURE. For higher production—soil and water conservation. U. S. D. A. PA-204,6 p.-folder. Sept.1952. 1 Ag84Pro

STALLINGS, J. H. Abstracts of recent published material on soil and water conservation. U. S. D. A. PA-213,71 p. Oct.1952. 1 Ag84Pro

Statistical Bulletins

SCHLOTZHAUER, E. O., and FROST, O. M. Fruits (noncitrus); production, farm disposition, value, and utilization of sales, 1944-49; revised estimates. U. S. D. A. Statis. B. 114,45 p. Oct.1952. 1 Ag84St

U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production: farm production, farm disposition, and value of principal field crops, revised estimates 1944-49, by States. U. S. D. A. Statis. B. 115,90 p. Oct.1952. 1 Ag84St

Technical Bulletins

ARCENEAUX, G., HEBERT, L. P., and MAYEUX, L. C., JR. Effects of breakage on plant development and field production with sugarcane. U. S. D. A. Tech. B. 1059,15 p. Ref. Sept.1952. 1 Ag84Te

FOOTE, R. J., KLEIN, J. W., and CLOUGH, M. The demand and price structure for corn and total feed concentrates. U. S. D. A. Tech. B. 1061,79 p. Ref. Oct. 1952. 1 Ag84Te

Unnumbered Publications

EASSON, L. Situation and outlook for apparel and household textiles. Washington,U. S. Dept. Agr.,1952. 5 p. 1.90 C2Ou8
Talk at Annual Agricultural Outlook Conference, Washington, D. C., Oct. 21, 1952.

U. S. DEPT. OF AGRICULTURE. Grain is food; keep it clean! Washington,1952. poster. 1.8 Ag81G

U. S. DEPT. OF AGRICULTURE. Special short course in marketing dairy products. Washington, 1952. 38 p. 1.90 A2Sp32
U. S. Mutual Security Agency and the Universities of Tennessee and Minnesota cooperating.

U. S. DEPT. OF AGRICULTURE. DEPT. COMMITTEE ON PATENT POLICY. Patent manual for employees of the United States Department of Agriculture. Rev. Washington,1952. 94 p. 1.90 C2P27

U. S. DEPT. OF AGRICULTURE. FAMILY FARM POLICY REVIEW SUBCOMMITTEE. Summary of the Family Farm Policy Review. Washington,1952. 16 p. 1.90 C2F212

U. S. DEPT. OF AGRICULTURE. FIELD COMMITTEE FOR NEW ENGLAND-NEW YORK. Probable economic impacts of inundation, proposed Hopkinton-Everett Reservoir, Merrimack River Basin, New Hampshire, by E. L. Greenshields. Washington,1952. 52 p. 1.90 C2F453

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. The literature of the natural fibers, by R. K. Worner and D. B. Skau. New Orleans,1952. 44 p. 1.9321 S2L71

AGRICULTURAL ECONOMICS, BUREAU OF

AGRICULTURAL finance review 14(sup.2),29 p. Oct.1952. 1.9 Ec78Ag
1953 outlook supplement.

FITZGERALD, D. A. Looking ahead for Mutual Security. Washington,U. S. Bur. Agr. Econ.,1952. 9 p. 1.9423 A2F57
Remarks before the Agricultural Outlook Conference Dinner, Oct. 22, 1952, Washington, D. C., on the agricultural situation in Europe, and effect of the European program on American agriculture.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Agricultural outlook charts, 1953. Washington,1952. 76 p. 1.9 Ec7AgrCh

U. S. BUR. OF AGRICULTURAL ECONOMICS. Marketing margins for fruits and vegetables in California and a comparison of two methods of measurement, by R. V. Enochian. Washington,1952. 34 p. 1.941 M3M3424

U. S. BUR. OF AGRICULTURAL ECONOMICS. Measuring changes in quality when quality standards are subject to errors in interpretation, by G. L. Burrows and A. W. Brant. Washington,1952. 11 p. 1.941 A22M46

U. S. BUR. OF AGRICULTURAL ECONOMICS. Seed crops, acreage, yield, and production of field seed crops, by States; revised estimates, 1939-51, by G. C. Edler, T. J. Kuzelka, and R. H. Sutherland. Washington, 1952. 51 p. 1.941 H2Se32

U. S. BUR. OF AGRICULTURAL ECONOMICS. Taxes levied on farm real estate in 1951. Washington, 1952. 7 p. 1.9 Ec7Farm

U. S. BUR. OF AGRICULTURAL ECONOMICS. Variability of cotton yields by counties, in the United States, by R. R. Botts. Washington,1952. 34 p. 1.941 H2C829

AGRICULTURAL RESEARCH ADMINISTRATION

U. S. AGRICULTURAL RESEARCH ADMIN. Defense against biological warfare on farm animals and crops. Washington,1952. 4 p. 1.98 D36

U. S. AGRICULTURAL RESEARCH ADMIN. Pricing and trade, a report of the National Marketing Research Workshop, July 11 to 19, 1952, Texas A and M College. Washington,1952. 244 p. 1.98 P932

ANIMAL INDUSTRY, BUREAU OF

CONFERENCE ON ANTHRAX, WASHINGTON, 1952. Proceedings. Washington,U. S. Bur. Anim. Indus., 1952. 64 p. 1.972 A2P949
U. S. Live Stock Sanitary Association, U. S. Bureau of Animal Industry, and other agencies participating.

CONFERENCE ON PARASITES AND PARASITIC DISEASES OF SHEEP. Proceedings. Belle Fourche,S. Dak.,U. S. Bur. Anim. Indus.,1951. 12 p. 1.972 A2P9492

KELLOGG, C. E. The 4-H and Scout attainments with rabbits. Washington,U. S. Ext. Serv.,1952. 6 p. 1.913 A4F82

U. S. BUR. OF ANIMAL INDUSTRY. Importation of game, trophies, etc. from Canada. Washington, 1952. 1 p. 1.972 A2Im72

DAIRY INDUSTRY, BUREAU OF

U. S. BUR. OF DAIRY INDUSTRY. Alphabetical index of sires proved in Dairy-Herd Improvement Associations, 1946 to 1950 inclusive. U. S. Dairy Indus. BDIM-996a,102 p. Sept.1952. 1.9 D14Bd

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

GERSDORFF, W. A., MITLIN, N., and GERTLER, S. I. Preliminary tests with certain N-substituted piperonylamides for synergistic action in allethrin fly sprays. U. S. Bur. Ent. & Plant Quar. E-848, 6 p. Oct.1952. 1.9 En83

ROARK, R. C. A digest of information on allethrin. U. S. Bur Ent. & Plant Quar. E-846,58 p. Sept.1952. 1.9 En83

SPARR, B. I. Preliminary screening of emulsifiable toxaphene concentrates. U. S. Bur. Ent. & Plant Quar. E-847,5 p. Sept.1952. 1.9 En83

SPARR, B. I., and others. Studies on the stability of toxaphene emulsions in dipping vats. U. S. Bur. Ent. & Plant Quar. E-849,11 p. Nov.1952. 1.9 En83
J. C. Clark, E. E. Vallier, and A. H. Baumhover, joint authors.

WHITE, G. D. Experiments in preventing the build-up of insects in newly harvested wheat. U. S. Bur. Ent. & Plant Quar. E-850,3 p. Nov.1952. 1.9 En83

EXTENSION SERVICE

BEVAN, L. A. Extension's role in education for cooperatives. Washington,U. S. Ext. Serv.,1952. 6 p. 1.913 I2Ex84
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

COWDEN, T. K. Extension programs and responsibilities for education on the place and function of cooperatives in our economy. Washington,U. S. Ext. Serv.,1952. 3 p. 1.913 I2Ex82
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

GORDY, A. S. Statistical analysis of 4-H Club work and work with young men and women. U. S. Ext. Serv. Ext. Serv. C. 482,16 p. Oct.1952. 1.9 Ex892Esc

PINERO, J. Extension educational program on cooperatives in Puerto Rico. Washington,U. S. Ext. Serv., 1952. 8 p. 1.913 I2Ex83
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

RICHARDSON, E. C. Information opportunities in Farm and Home Week. Washington,U. S. Fxt. Serv., 1952. 7 p. 1.913 I2In32
Presented at AAACE Annual Conference, Clemson, S. C., July 23, 1952.

U. S. EXTENSION SERV. Check children's health too before starting back to school, by E. J. Niederfrank. Washington,1952. 2 p. 1.913 P2C41

U. S. EXTENSION SERV. Making a grain marketing program effective. Preliminary, by W. B. Combs. Washington,1952. 22 p. 1.913 A5M28

U. S. EXTENSION SERV. Mass communications and visual aids. Washington,1952. 2 p. 1.913 I2M38

U. S. EXTENSION SERV. Parent and family life education: list of State extension service publications. Washington,1952. 5 p. 1.913 P2P212

U. S. EXTENSION SERV. Philosophy and principles of Cooperative Extension Service in the United States, by F. P. Frutchey. Washington,1952. 9 p. 1.913 S2P54

U. S. EXTENSION SERV. Proposal for continuation and expansion of research in methods of developing county rural adult educational programs, by J. L. Matthews. Washington,1952. 6 p. 1.913 S2P944

U. S. EXTENSION SERV. A reading list for extension workers. Washington,1952. 2 p. 1.913 S2R226

FARM CREDIT ADMINISTRATION

HALL, T. E., and others. Where and how much cash grain storage for Indiana farmers. U. S. Farm Credit Admin. B. 68,46 p. Apr.1952. 166.2 B87
J. W. Hicks, W. K. Davis, and N. Coats, joint authors.

KIGER, H. C. California Walnut Growers Association. U. S. Farm Credit Admin. C. C-146,32 p. May 1952. 166.2 C4923

MATHER, J. W. Performance standards for tank truck salesmen [of petroleum products] of consumers cooperative association locals. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 166,93 p. May 1952. 166.3 M68

U. S. FARM CREDIT ADMIN. Highlights and outline of organization from report on Risk problems of production credit associations. Washington,1952. 4 p. 1.949 H53

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

DAVIS, F. E., and DIETZ, G. J. Beef cattle industry in northern Mexico and probable exports to the United States. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 69,23 p. Aug.1952. 1.943 F763

HAGGERTY, J. J. The United States farmer and the world around him. Washington,U. S. Off. Foreign Agr. Relat.,1952. 7 p. 1.943 H12
Remarks at annual meeting of American Farm Economic Association, Urbana, Aug. 30, 1952.

HAMBLETON, E. J. Entomology in the Point Four program. Washington,U. S. Off. Foreign Agr. Relat.,1952. 11 p. 1.943 En8
Paper before the Pacific Branch of the American Association of Economic Entomologists, Santa Barbara, June 24-26,1952.

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Bamboo as a source of forage and fodder for livestock, with special reference to tropical species, by F. A. McClure. Washington,1952? 11 p. Ref. 1.943 B21

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Minutes of the Rice seminar, June 3, 1952. Washington,1952. 31 p. 1.943 M66

FOREST SERVICE

AREND, J. L., and COULTER, L. L. Frill girdle tests with 2,4,5-T in lower Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 385,1 p. Oct.1952. 1.9 F7625T

BAIRD, P. K., and SCHWARTZ, S. L. Hardboard: processes, properties, potentials. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1928,16 p. Ref. Sept. 1952. 1.9 F761R

BAKER, H. L., and POLI, A. Area and ownership of forest land in Sonoma County, California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 14,23 p. Sept.1952. 1.9 F7626F

DAHMS, W. G. Service life of treated and untreated fence posts on the Pringle Falls Experimental Forest. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Note 80,3 p. Sept.1952. 1.9 F7629Fr

DOYLE, D. V. Research in wind-resistant farm building construction. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1930,8 p. Ref. Aug.1952. 1.9 F761R

EVANS, T., and MCCLAY, T. A. Rules-of-thumb for volume and value in pulpwood trees. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 4,2 p. Jan.1952. 1.9622 S4R312

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. CONFERENCE. The principles of forest policy adopted by the sixth session of the Conference of the Food and Agriculture Organization of the United Nations, Rome, Italy, November 19—December 6, 1951. Washington, U. S. Forest Serv., 1952. 4 p. 1.962 A2P93

GEVORKIANTZ, S. R., and OLSEN, L. P. Cubic content of sawlogs in standing trees. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 382,1 p. Oct.1952. 1.9 F7625T

HORN, A. G. Ten years' pulpwood production in the Lake States (1942-1951). U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 384,2 p. Oct.1952. 1.9 F7625T

HOUGH, A. F. Preliminary results of red pine [Pinus resinosa] seed source, seed weight, seedling weight, and height growth in Kane Test Plantation. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 50,14 p. Ref. Aug.1952. 1.9622 N2St22

HOUGH, A. F. Preliminary results of red pine [Pinus resinosa] seed-source tests in northwestern Pennsylvania. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 49,28 p. Ref. Aug.1952. 1.9622 N2St22

JULANDER, O. Forage habits of mule deer during the late fall as measured by stomach content analyses. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Note 2,5 p. Mar.1952. 1.9622 I2R312

KIMMEY, J. W., and HORNIBROOK, E. M. Cull and breakage factors and other tree measurement tables for redwood [Sequoia sempervirens]. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 13,28 p. May 1952. 1.9 F7626F

KUENZI, E. W. Effect of elevated temperatures on the strengths of small specimens of sandwich construction of the aircraft type. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1804-B,5 p. Sept.1952. 1.9 F761R

LANGDON, O. G., BOMHARD, M. L., and CASSADY, J. T. Field book of forage plants on longleaf pine-bluestem ranges. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 127,117 p. Ref. June 1952. 1.9 F7624O

LITTLE, S., SOMES, H. A., and ALLEN, J. P. Choosing suitable times for prescribed burning in southern New Jersey. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 51,7 p. Aug.1952. 1.9622 N2St22

LUXFORD, R. F. Prefabricated house system developed by the Forest Products Laboratory. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1165,rev.,9 p. Oct. 1952. 1.9 F761R

MCCORMACK, J. F. Southern pulpwood production hits new high. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 15,2 p. July 1952. 1.9622 S4R312

MACLEAN, J. D. Effect of moisture changes on the shrinking, swelling, specific gravity, air or void space, weight and similar properties of wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1448,rev.,28 p. Sept.1952. 1.9 F761R

MARCH, H. W. Behavior of a rectangular sandwich panel under a uniform lateral load and compressive edge loads. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1834,29 p. Ref. Sept.1952. 1.9 F761R

MARKWARDT, L. J. How surface condition of nails affects their holding power in wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1927,rev.,4 p. Aug.1952. 1.9 F761R

MATSON, E. E. Lumber-grade recovery from Oregon coast-type Douglas-fir [Pseudotsuga taxifolia]. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Paper 3,10 p. May 1952. 1.9622 P2R31

MATSON, E. E. Lumber grades from young-growth Douglas-fir [Pseudotsuga taxifolia]. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Note 79,2 p. Sept.1952. 1.9 F7629Fr

NEFF, L. P. Logging damage to reproduction under swamp black spruce [Picea mariana]. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 381,2 p. Oct.1952. 1.9 F7625T

PECK, E. C. Storage and handling of lumber (at wholesale and retail yards and at consumer plants). U. S. Forest Serv. Forest Prod. Lab. Rpt. D1919,17 p. June 1952. 1.9 F761R

SCHUBERT, C. H. Germination of various coniferous seeds after cold storage. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Notes 83, 7 p. July 16,1952. 1.9 F7626R

SCHWARTZ, S. L. Insulating board and hardboard from four common hardwoods of Northeastern farm woodlots. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1931,12 p. Ref. Sept.1952. 1.9 F761R

SNOW, A. G., JR. Gum yields with different frequencies of chipping and treatment. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 5,2 p. Jan. 1952. 1.9622 S4R312

STAEBLER, G. R. The formula Scribner log rule. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Notes 78,6 p. Mar.1952. 1.9 F7629Fr

STOECKELER, J. H., and ARBOGAST, C. Power-saw girdling saves time in timber stand improvement. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 383,1 p. Oct.1952. 1.9 F7625T

TODD, A. S., JR. Rates of net annual growth in cords applicable to large forested areas in South Carolina. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 3, 1 p. Jan.1952. 1.9622 S4R312

U. S. FOREST SERV. Forestry schools in the United States. Washington,1951. 8 p. 1.962 A2F7682

U. S. FOREST SERV. How to plan a forest show-me trip for clubwomen. Washington?1952? 4 p. 1 F76Ho

U. S. FOREST SERV. Impressions of European forestry, by L. I. Barrett. Washington,1952. 30 p. 1.962 A2Im7

U. S. FOREST SERV. Number of visits to the national forests for utilization of the recreation resources calendar year 1924 to present. Washington? 1952. 2 p. 1.962 A2N91

U. S. FOREST SERV. The work of the U. S. Forest Service. U. S. D. A. Agr. Inform. B. 91,22 p. Aug.1952. 1 Ag84Ab
Revision of Miscellaneous Publication 290.

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on box and crate construction and packaging data. U. S. Forest Serv. Forest Prod. Lab. Rpt. R791,17 p. Aug.1952. 1.9 F761R

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on chemistry of wood and derived products. U. S. Forest Serv. Forest Prod. Lab. Rpt. R238,41 p. Aug.1952. 1.9 F761R

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on glue, glued products, and veneer. U. S. Forest Serv. Forest Prod. Lab. Rpt. R513,18 p. Aug.1952. 1.9 F761R

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on logging, manufacture, and utilization of timber, lumber, and other wood products. U. S. Forest Serv. Forest Prod. Lab. Rpt. R790,22 p. Oct.1952. 1.9 F761R

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on the growth, structure, and identification of wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R177,23 p. Sept.1952. 1.9 F761R

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Partial list of publications for furniture manufacturers, woodworkers and teachers of wood shop practice. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1775,16 p. Aug.1952. 1.9 F761R

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Prevention and control of decay in dwellings. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 251,rev.,6 p. Oct.1952. 1.9 F761

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Weathering and decay. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 221,rev.,2 p. Oct. 1952. 1.9 F761

U. S. FOREST SERV. NORTHEASTERN FOREST EXPERIMENT STATION. Report on cooperative test of "continuous-inventory" forest survey system in eastern Maryland, by C. A. Bickford, R. A. Chapman, and A. B. Caporaso. Upper Darby,Pa.,1952. 31 p. 1.9622 N2R29

U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. There's money in your woods, by S. H. Buehling. Asheville,N.C.,1952. 8 p. 1.9622 S4T34

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Forest statistics for Tennessee. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 70,56 p. June 1952. 1.9 F7624F

WERREN, F. Fatigue of sandwich constructions for aircraft (aluminum facing and expanded-aluminum-honeycomb core sandwich material tested in shear). U. S. Forest Serv. Forest Prod. Lab. Rpt. 1559-K,4 p. July 1952. 1.9 F761R

WERREN, F. Shear-fatigue properties of various sandwich construction. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1837,4 p. Ref. July 1952. 1.9 F761R

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. A partial list of references on nutrition. Washington,1952. 1 p. 1.982 A2P258

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Physical and chemical characteristics of suiting fabrics composed of wool, and wool combined with mohair, nylon, and rayon, by B. V. Morrison, R. L. Ward, S. Davison, and A. R. Macormac. Washington,1952. 20 p. 1.982 A2P562

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Pointers on freezing yeast and quick breads, pies, cookies, and cake. Washington,1952. 3 p. 1.982 A2P75

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Quantity recipes using honey. Washington, 1952. 13 p. 1.982 A2Q22

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Rural family living charts. Washington,1952. 78 p. 1.982 E2W276; also 1.9 Ec7Ofa

LIBRARY

SMALLWOOD, N. W., comp. Commercial horticultural organizations of the United States and Canada. U. S. D. A. Libr. Libr. List 17,rev.,8 p. Sept. 1952. 1.916 L612

SMALLWOOD, N. W., comp. Horticultural organizations of the United States and Canada. U. S. D. A. Libr. Libr. List 16,rev.,13 p. Sept.1952. 1.916 L612

PERSONNEL, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Employment opportunities in the Department of Agriculture for college students graduating on or before June 30, 1953. Washington,1952. 19 p. 1.917 A2Em76

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

LEWIS, W. E., and HANNUM, D. B., JR. The shelf life of tangerines in retail store display cases. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 278,4 p. Aug.1952. 1.9 P772Ht

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Culture of Rhododendrons and Azaleas. Beltsville,Md.,1952? 14 p. 1.965 A2C892

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Plaster and plastering. U. S. Bur. Plant Indus., Soils & Agr. Engin. Inform. Ser. 32,slightly rev.,6 p. Oct.15,1952. 1.9 R531I

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Propagation of Rhododendrons and Azaleas. Beltsville,Md.,1952? 9 p. 1.965 A2P944

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Publications helpful in building, remodeling and repairing farm structures, and related subjects. U. S. Bur. Plant Indus., Soils & Agr. Engin. Inform. Ser. 68,rev.,5 p. Oct.1952. 1.9 R531I

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Pyrethrum [Chrysanthemum cinerariaefolium], by M. S. Lowman. Washington?1952. 7 p. 1.965 T2P99

PRODUCTION AND MARKETING ADMINISTRATION

CARTER, A. F. Background facts on honey. Washington,U. S. Ext. Serv.,1952. 2 p. 1.913 F4B12

U. S. PRODUCTION AND MARKETING ADMIN. Agricultural Conservation Program; summaries by States, 1951. Washington,1952. 55 p. 1.956 F45Ag82

U. S. PRODUCTION AND MARKETING ADMIN. The Causticaire method for determining cotton-fiber maturity and fineness. Preliminary report. Washington, 1952. 20 p. 1.956 C82C31

U. S. PRODUCTION AND MARKETING ADMIN. Cotton testing service. Rev. Washington,1952. 39 p. 1.956 C82C8225

U. S. PRODUCTION AND MARKETING ADMIN. Digest of poultry grading and inspection regulations, standards and grades, by W. E. Hauver, Jr. Rev. Washington,1952. 18 p. 1.956 P86D562

U. S. PRODUCTION AND MARKETING ADMIN. Effect of exposure and storage on color and other factors of quality in raw cotton, by D. Nickerson. Washington, 1951. 27 p. 1.956 C82Ef33

U. S. PRODUCTION AND MARKETING ADMIN. The facts about farm prices in 1948. Washington,1952. 7 p. 1.956 A2F1138

U. S. PRODUCTION AND MARKETING ADMIN. Got a place to put it? Washington,1952. poster. 1.8 P94G

U. S. PRODUCTION AND MARKETING ADMIN. How do your hogs grade? Washington,1952. 2 p. 1.956 L75H83

U. S. PRODUCTION AND MARKETING ADMIN. List of packers subject to provisions of Packers and Stockyards Act January 1, 1951. Washington,1951. 40 p. 1.956 A2L69

U. S. PRODUCTION AND MARKETING ADMIN. Marketing and processing costs of cottonseed oil mills in the postwar period, 1946-47 to 1950-51, by C. C. Spilsbury. Washington,1952. 61 p. 1.956 F26D63

U. S. PRODUCTION AND MARKETING ADMIN. Marketing Arizona Salt River Valley cantaloups; summary of 1952 season, by C. B. Miller. Phoenix,1952. 8 p. 1.9 Ec741L
Arizona Fruit and Vegetable Standardization Service, Bureau of Market News cooperating.
Also a similar report on marketing lettuce.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing 1951 crop Colorado green peas, cauliflower, mixed vegetables, by W. P. Cudmore, Jr. Denver,1952. 11 p. 1.9 Ec741L
Colorado State Department of Agriculture cooperating.
Also similar reports on marketing potatoes and onions.

U. S. PRODUCTION AND MARKETING ADMIN. Marketing study of factors affecting the quantity and value of products obtained from soybeans, by N. Pahigian. Washington,1952. 35 p. 1.956 F26M343

U. S. PRODUCTION AND MARKETING ADMIN. Minimum standards for warehouses storing shell eggs. Dallas,1952. 2 p. 1.956 A2M666

U. S. PRODUCTION AND MARKETING ADMIN. Preparation of flue-cured tobacco for market. Washington,1952? 9 p. 1.956 T55P91

U. S. PRODUCTION AND MARKETING ADMIN. Proposed amendments to the official standard grades for flue-cured tobacco. Washington,1952. 6 p. 1.956 T55P94

U. S. PRODUCTION AND MARKETING ADMIN. Quantities of protein-rich foods to meet type A school lunch requirements. Washington,1952. 2 p. 1.956 A2Q23
U. S. Bureau of Human Nutrition and Home Economics cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Relation of rate of carding and factors of cotton quality to strength and appearance of carded yarn, neps in card web, and percentage of card waste, by R. W. Webb and H. B. Richardson. Washington,1952. 44 p. 1.956 C82R2782

U. S. PRODUCTION AND MARKETING ADMIN. Standards for American upland cotton proposed and present, June 19, 1952. Washington,1952. 1 p. 1.956 C82St22

U. S. PRODUCTION AND MARKETING ADMIN. Summary of the proposed amendments being considered to the Official standard grades for Burley tobacco (U. S. type 31). Washington,1952. 6 p. 1.956 T55Su6

U. S. PRODUCTION AND MARKETING ADMIN. Summary of Yuma Valley cantaloup season, 1952, by C. Pursley. Yuma,1952. 10 p. 1.9 Ec741L
Arizona Fruit and Vegetable Standardization Service, Bureau of Market News cooperating.
Also a similar report on lettuce.

U. S. PRODUCTION AND MARKETING ADMIN. Test of a refrigerator car equipped with dry ice system of refrigeration (at Potomac Yards, Alexandria, Va., January 11-22, 1952), by H. D. Johnson, M. V. Gerrity, J. T. Worthington, and W. H. Redit. Washington,1952. 14 p. 1.956 M343T28
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for peaches. Washington,1952. 7 p. 1.9 M344Pe

RURAL ELECTRIFICATION ADMINISTRATION

U. S. RURAL ELECTRIFICATION ADMIN. Basic rules for the electric industry. Washington,1952. 16 p. 1.933 B295

U. S. RURAL ELECTRIFICATION ADMIN. Electric radiant house heating. Rev. Washington,1952. 9 p. 1.933 Eq53

U. S. RURAL ELECTRIFICATION ADMIN. How electric farming can help your business. U. S. Rur. Electrif. Admin. REA B. 140-1,24 p. 1952. 1 R88Ar
One of a series on The art of balanced management.

U. S. RURAL ELECTRIFICATION ADMIN. REA specifications for wood pole brackets. U. S. Rur. Electrif. Admin. PE-4,3 p. Nov.1951. 1.933 Sp38

SOIL CONSERVATION SERVICE

JONES, L. A. Drainage as a tool for increased crop production. Washington,U. S. Soil Conserv. Serv., 1952. 8 p. 1.96 R31Dra
Paper at American Society of Agricultural Engineers' Soil and Water Program, Centennial of Engineering, Chicago, Sept. 9, 1952.

U. S. SOIL CONSERVATION SERV. Report on the grazing lands of the Rupununi Savannahs of British Guiana with recommendations for improvement, by J. S. McCorkle. Albuquerque?N.Mex.,1951. 52 p. Ref. 1.96 Op2Rep

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Each acre to its best use; a tour guide of the Soil Conservation Station, LaCrosse, Wisconsin, by O. E. Hays and I. O. Hembre. La Crosse? 1951. 24 p. 1.6 So3Ea

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Iowa counties along Missouri River channel restoration, 1952. Milwaukee,1952. map. 1.6 So3I

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Technical specifications for conservation practices. Revised for Missouri for 1952. Milwaukee,1952. 44 p. 1.9605 T224

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

ARIZONA. AGRICULTURAL EXPERIMENT STATION. List of available publications of the Agricultural Experiment Station and the Agricultural Extension Service. Ariz. Agr. Expt. Sta. Spec. B.,20 p. July 1952. 100 Ar4L

California Agricultural Experiment Station, Berkeley

ADAMS, R. L. Protecting citrus groves from frost; costs and benefits to growers. Calif. Agr. Expt. Sta. B. 730,61 p. July 1952. 100 C12S

ALBAUGH, R., KELLY, C. F., and BELTON, H. L. Beef handling and feeding equipment. Calif. Agr. Expt. Sta. C. 414,33 p. May 1952. 100 C12S

JOHNSTON, C. N. Irrigation pumps; their selection and use. Calif. Agr. Expt. Sta. C. 415,54 p. Aug.1952. 100 C12S

Connecticut (State) Agricultural Experiment Station, New Haven

SCHREAD, J. C. Habits and control of the Oriental earthworm. Conn. (State) Agr. Expt. Sta. B. 556, 15 p. Aug.1952. 100 C76St

SWANSON, C. L. W. Our soil—a basic natural resource. Conn. (State) Agr. Expt. Sta. Spec. B. Soils I/500,7 p. Jan.30,1952. 56.9 C767

SWANSON, C. L. W. Some physical facts about Connecticut soils. Conn. (State) Agr. Expt. Sta. Spec. B. Soils X,8 p. Feb.29,1952. 56.9 C767

SWANSON, C. L. W. The net worth of our Northeastern soils. Conn. (State) Agr. Expt. Sta. Spec. B. Soils XI,7 p. May 14,1952. 56.9 C767

Florida Agricultural Experiment Station, Gainesville

FLORIDA. AGRICULTURAL EXPERIMENT STATION. Handbook on pesticides and their uses in Florida agriculture. Rev. Gainesville,1951. 131 p. 464.4 F66

Florida Agricultural Extension Service, Florida Industry Organics Committee, and U. S. Fish and Wild Life Service cooperating.

Georgia Agricultural Experiment Station, Experiment

PENNY, N. M., and HARRINGTON, B. J. Corn meal milling in Georgia. Ga. Agr. Expt. Sta. B. 272,39 p. Nov.1951. 100 G29S

RESEARCH news 3(8),4 p. Oct.1952. 100 G29R

Georgia Coastal Plain Experiment Station, Tifton

CARR, J. M., and NEAS, I. Influence of fertilizer rates on four varieties of flue-cured tobacco. Ga. Coastal Plain Expt. Sta. C. 22,14 p. June 1952. 100 G292

Idaho Agricultural Experiment Station, Moscow

KEITH, T. B., JOHNSON, R. F., and LEHRER, W. P., JR. The optimum ratio of concentrate to alfalfa hay for fattening steers. Idaho. Agr. Expt. Sta. B. 290, 15 p. June 1952. 100 Id1

HUNGERFORD, C. W. Disease resistant field beans for Idaho. Idaho. Agr. Expt. Sta. C. 118,11 p. July 1952. 100 Id1

IDAHO. AGRICULTURAL EXPERIMENT STATION. Recommendations for alfalfa seed production in Idaho. Idaho. Agr. Expt. Sta. Mimeog. L. 31,12 p. Aug. 1952. 100 Id12

IDAHO. AGRICULTURAL EXPERIMENT STATION. Forage crop production in Idaho. Idaho. Agr. Expt. Sta. Mimeog. L. 118,37 p. Ref. May 1952. 100 Id12

Idaho Agricultural Extension Service and U. S. Soil Conservation Service cooperating.

Illinois Agricultural Experiment Station, Urbana

KOEHLER, B., BEVER, W. M., and BONNETT, O. T. Soil-borne wheat mosaic. Ill. Agr. Expt. Sta. B. 556:565-599. Ref. Aug.1952. 100 IL6S

ILLINOIS. AGRICULTURAL EXPERIMENT STATION. DEPT. OF VETERINARY RESEARCH. Microscopic diagnosis of parasitism in domestic animals. Ill. Agr. Expt. Sta. C. 698,135 p. Ref. Aug.1952. 275.29 IL62Gr

Indiana Agricultural Experiment Station, Lafayette

INDIANA. AGRICULTURAL EXPERIMENT STATION. Retail produce departments. Ind. Agr. Expt. Sta. C. 382,11 p. Feb.1952. 100 In2P

Kansas Agricultural Experiment Station, Manhattan

HODGES, J. A., and others. 1951 farm management summary and analysis report by type of farming area. Kans. Agr. Expt. Sta. Agr. Econ. Rpt. 52,92 p. 1952. 281.9 K132

E. Castle, C. F. Bortfeld, D. A. Knight, H. C. Love, and J. H. Coolidge, joint authors.

AUBEL, C. E. Swine feeding investigations, 1946 to 1949. Kans. Agr. Expt. Sta. C. 287,20 p. June 1952. 100 K13S

CLAPP, A. L. Cooperative oat variety tests, 1952. Kans. Agr. Expt. Sta. Rpt. Prog. Ser. C. E. 31,3 p. 1952? 100 K13Ro

MUELLER, C. D., MOULTRIE, F., and PLUMART, P. E. Classification of feathering in broiler stock. Kans. Agr. Expt. Sta. Tech. B. 72,30 p. June 1952. 100 K13S

Kentucky Agricultural Experiment Station, Lexington

PRICE, W. A., and TILSON, H. G. Some items of interest to Kentucky nurserymen. Ky. Agr. Expt. Sta. Regulat. B. 99,24 p. July 1952. 100 K41

KENTUCKY. AGRICULTURAL EXPERIMENT STATION. FEED AND FERTILIZER DEPT. Quarterly report on official feed samples analyzed. Ky. Agr. Expt. Sta. Regulat. B. 100,35 p. Aug.1952. 100 K41

KENTUCKY. AGRICULTURAL EXPERIMENT STATION. Results of research in 1951; 64th annual report. Lexington,1952. 80 p. 100 K41

Maine Agricultural Experiment Station, Orono

BARTLETT, H. D. A vertical potato elevator. Maine. Agr. Expt. Sta. B. 504,11 p. Sept.1952. 100 M28S

Maryland Agricultural Experiment Station, College Park

CORY, E. N., and others. Parasites of the European corn borer [Pyrausta nubilalis] in Maryland. Md. Agr. Expt. Sta. B. A72,13 p. n.d. 100 M36S

H. S. McConnell, K. D. Arbuthnot, and D. W. Jones, joint authors.

BOWLING, J. D., MCMURTREY, J. E., JR., and BROWN, D. E. Variety, description and performance tests with Maryland tobacco measured by composition, yield and value. Md. Agr. Expt. Sta. B. A73,21 p. n.d. 100 M36S

SMITH, H., and DALLAVALLE, F. A study of the merchandising of poultry and eggs in retail stores. Md. Agr. Expt. Sta. Misc. P. 144,33 p. July 1952. 100 M36M

Massachusetts Agricultural Experiment Station, Amherst

YOUNG, C. M., and others. Cooperative nutritional status studies in the Northeast Region. III. Dietary methodology studies. Mass. Agr. Expt. Sta. B. 469,95 p. Ref. Aug.1952. 100 M38H

F. W. Chalmers, H. N. Church, M. M. Clayton, L. O. Gates, G. C. Hagan, B. F. Steele, R. E. Tucker, A. W. Wertz, and W. D. Foster, joint authors.

MASSACHUSETTS. AGRICULTURAL EXPERIMENT STATION. POULTRY DISEASE CONTROL LABORATORY. Thirty-second annual report of pullorum disease eradication in Massachusetts. Mass. Agr. Expt. Sta. Control Ser. B. 152,11 p. July 1952. 100 M38H

MASSACHUSETTS. FEED CONTROL SERV. Inspection of commercial feedstuffs. Mass. Agr. Expt. Sta. Control Ser. B. 153,26 p. July 1952. 100 M38H

COX, E. F. Meteorological observations for May 1952. Mass. Agr. Expt. Sta. Met. Ser. B. 761,4 p. May 1952. 100 M38H

PATTERSON, R. K. Meteorological observations for July 1952. Mass. Agr. Expt. Sta. Met. Ser. B. 763,4 p. July 1952. 100 M38H

PFLUG, I. J. Meteorological observations for September 1952. Mass. Agr. Expt. Sta. Met. Ser. B. 765, 4 p. Sept.1952. 100 M38H

RESEARCH in review 1(1),16 p. Jan.1952. 100 M38R

Michigan Agricultural Experiment Station, East Lansing

HUDDLESON, I. F., and others. Studies in brucellosis. III. Mich. Agr. Expt. Sta. Mem. 6,114 p. Ref. Jan.1952. 100 M58S

1, The dissociation pattern in the species of the genus Brucella, by I. F. Huddleson; 2, The characteristics and dissociation pattern of type G (microcolony type) of Brucella abortus, by I. F. Huddleson and B. Baltzer; 3, The antigenic properties of several colonial types of the smooth, rough and mucoid growth forms of the genus Brucella, by J. Warner and I. F. Huddleson; 4, Differentiation of bacterial species and variations within species by means of tetrazolium salts, by I. F. Huddleson; 5, Study of the Brucella growth-inhibiting factor in bovine serum and colostrum, by M. A. Richardson and I. F. Huddleson.

WILT, H. S., and HOGLUND, C. R. Reducing dairy feed costs. Mich. Agr. Expt. Sta. Spec. B. 383,19 p. Oct.1952. 100 M58S

THORPE, A. C., and GROSS, I. H. Family use of farm homes; a study of activities carried on by and preferences of family members. Mich. Agr. Expt. Sta. Tech. B. 227,63 p. Apr.1952. 100 M58S

JONES, A. H., and FABIAN, F. W. The viability of micro-organisms isolated from fruits and vegetables when frozen in different menstrua. Mich. Agr. Expt. Sta. Tech. B. 229,42 p. May 1952. 100 M58S

ZINDEL, H. C., and MALLMANN, W. L. Formaldehyde as a disinfectant in the control of incubator-transmitted pullorum disease. Mich. Agr. Expt. Sta. Tech. B. 230,23 p. Ref. June 1952. 100 M58S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

MINNESOTA farm and home science 10(1),20 p. Oct.1952. 100 M668

Mississippi Agricultural Experiment Station, State College

CHRISTIAN, W. E., JR., and DICKERSON, M. S., JR. Commercial chick hatcheries as a potential market for Mississippi eggs. Miss. Agr. Expt. Sta. B. 492,29 p. June 1952. 100 M69

GALLOWAY, R. E., and KAUFMAN, H. F. Use of hospitals by rural people in four Mississippi counties. Miss. Agr. Expt. Sta. C. 174,11 p. July 1952. 100 M69

CAMPBELL, J. A., and BAIN, D. C. Kopiah, a new tomato variety developed in Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 474,2 p. Sept.1952. 100 M69In

MISSISSIPPI farm research 15(9),8 p. Sept. 1952. 100 M69Mi

Montana Agricultural Experiment Station, Bozeman

MONTANA. AGRICULTURAL EXPERIMENT STATION. List and indexes of Montana Agricultural Experiment Station bulletins and circulars, 1894-1951. Bozeman,1952. various pagings. 100 M76L

Nebraska Agricultural Experiment Station, Lincoln

HAMMOND, W. E. Marketing outlook for some minor oilseed crops in Nebraska. Nebr. Agr. Expt. Sta. B. 409,29 p. Jan.1952. 100 N27

DREIER, A. R., and EHLERS, P. L. Nebraska spring small grain variety tests, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 24,25 p. Sept.1952. 100 N27O

LOWREY, G. W., OLSON, R. A., and DREIER, A. F. Commercial fertilizer results with oats, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 25,13 p. Oct. 1952. 100 N27O

New Hampshire Agricultural Experiment Station, Durham

DAVIS, H. A., and EASTMAN, E. E. Inspection of commercial feedingstuffs. N. H. Agr. Expt. Sta. B. 393, 32 p. July 1952. 100 N45

New Jersey Agricultural Experiment Station, New Brunswick

AHLGREN, G. H., and ENGEL, R. E. Spring care of established lawns. N. J. Agr. Expt. Sta. C. 524, 4 p. Feb.1952. 100 N46S

BUTTERS, E. A. Seeds, legume inoculants in New Jersey—1951. N. J. Agr. Expt. Sta. Inspect. Ser. 44, 16 p. Jan.1952. 100 N46S

NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. CRANBERRY-BLUEBERRY RESEARCH LABORATORY. Liquid fertilizer makes strong blueberry plants in propagating bed, by C. A. Doehlert. Pemberton, 1951? 1 p. 57.7 N46

New Mexico Agricultural Experiment Station, State College

PINGREY, H. B. Farm organizations and incomes in the Pecos Valley, New Mexico. N. Mex. Agr. Expt. Sta. B. 368,45 p. Aug.1952. 100 N465

New York (Cornell) Agricultural Experiment Station, Ithaca

RIDDER, C. A. Basic distances in 100 farm homes for preparing and serving food and washing dishes. N. Y. (Cornell) Agr. Expt. Sta. B. 879,78 p. Ref. Sept. 1952. 100 N48C

WATSON, D. J. Financial analysis of fruit and vegetable processing plants. N. Y. (Cornell) Agr. Expt. Sta. B. 881,16 p. Oct.1952. 100 N48C

RYAN, M. S. Psychological effects of clothing. I. Survey of the opinions of college girls. N. Y. (Cornell) Agr. Expt. Sta. B. 882,39 p. Sept.1952. 100 N48C

ASHE, A. J. Operation of poultry slaughterhouses in New York City, 1949-50. N. Y. (Cornell) Agr. Expt. Sta. B. 883,47 p. June 1952. 100 N48C

LAURENT, C. K. An appraisal of New York City live poultry market reports, 1949-50. N. Y. (Cornell) Agr. Expt. Sta. B. 884,56 p. June 1952. 100 N48C

SKORY, J., and HARTWIG, H. B. The quality of hay on some New York dairy farms. N. Y. (Cornell) Agr. Expt. Sta. Mem. 313,54 p. Ref. May 1952. 100 N48C

New York (State) Agricultural Experiment Station, Geneva

FARM research 18(4),16 p. Oct.1952. 100 N48A

North Carolina Agricultural Experiment Station, State College Station, Raleigh

COOPER, W. E. Peanut leafspot control. N. C. Agr. Expt. Sta. Spec. C. 16,7 p. Oct.1952. 100 N81Sp

TISDALE, S. L., and others. Sources of nitrogen in crop production. N. C. Agr. Expt. Sta. Tech. B. 96,63 p. Dec.1952. 100 N81

Contents: Sources of nitrogen for cotton, by W. L. Nelson and C. D. Welch; for corn, by W. V. Chandler; for flue-cured tobacco plant beds, by W. G. Woltz; for flue-cured tobacco, by S. L. Tisdale, W. G. Woltz, and J. M. Carr; for vegetable crops, by H. J. Evans; for small grains, by W. H. Rankin and W. W. Woodhouse.

Ohio Agricultural Experiment Station, Wooster

WINTER, A. R., BURHART, B., and WETTLING, C. Cleaning eggs for market. Ohio. Agr. Expt. Sta. Res. B. 710,30 p. Ref. Oct.1952. 100 Oh3S

WEAVER, E. K., PLONK, M. A., and BORDT, M. F. Laundering blankets in automatic washers and dryers. Ohio. Agr. Expt. Sta. Res. B. 717,43 p. Ref. Oct.1952. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

HARPER, H. J. Cotton burs and cotton bur ashes as fertilizer for cotton on a claypan soil. Okla. Agr. Expt. Sta. B. B-387,10 p. Oct.1952. 100 Ok4

OKLAHOMA farm research flashes. Sept. 1952. 4 p. 100 Ok4F

Oregon Agricultural Experiment Station, Corvallis

SCHUDEL, H. L., and RAMPTON, H. H. Home lawns for Oregon. Oreg. Agr. Expt. Sta. B. 516,45 p. 1952? 100 Or3

MILBRATH, J. A. Selecting stone fruit trees free from virus diseases. Oreg. Agr. Expt. Sta. B. 522, 27 p. Aug.1952. 100 Or3

OLDFIELD, J. E., and others. Swine production in Oregon. Oreg. Agr. Expt. Sta. B. 523,71 p. Aug. 1952. 100 Or3

J. B. Johnson, T. K. Johnson, J. F. Sullivan, R. W. Lauderdale, and C. W. Vrooman, joint authors.

MUMFORD, D. C. Costs and net returns in producing turkey hatching eggs. Oreg. Agr. Expt. Sta. B. 524,48 p. Aug.1952. 100 Or3

DAVIS, G. B. Quality losses to Oregon late crop potatoes in handling operations at shipping point. Oreg. Agr. Expt. Sta. B. 526,18 p. Oct.1952. 100 Or3

DAVIS, G. B., and MARTIN, L. C. Packaging late crop potatoes at shipping point and at terminal market. Oreg. Agr. Expt. Sta. B. 527,19 p. Oct.1952. 100 Or3

HOFFMAN, E. N., BOGART, R., and BURRIS, M. J. Corn, barley, and bonemeal for fattening cattle rations in the Snake River Valley, Oregon. Oreg. Agr. Expt. Sta. B. 528,19 p. Oct.1952. 100 Or3

FREED, V. H., BAYER, D. E., and FURTICK, W. R. Control of weedy annual grasses in perennial grasses grown for seed; a progress report. Oreg. Agr. Expt. Sta. C. Inform. 514,6 p. Oct.1952. 100 Or3C

WARNICK, A. C., RUTLAND, P. M., and BONNICKSEN, L. W. A combination lamb brooder and ewe feeder. Oreg. Agr. Expt. Sta. C. Inform. 515,3 p. Oct.1952. 100 Or3C

DAVIS, G. B. Marketing potatoes in corrugated fiberboard boxes. Oreg. Agr. Expt. Sta. C. Inform. 516,6 p. Nov.1952. 100 Or3C

Oregon State Department of Agriculture and the Oregon Potato Commission cooperating.

KIRK, D. E. Mechanical feeders for silage. Oreg. Agr. Expt. Sta. C. Inform. 518,2 p. Nov.1952. 100 Or3C

OREGON. FARM FORESTRY COMMITTEE. Farm forestry; an appraisal of the problems and a statement of recommendations. Oreg. Agr. Expt. Sta. Oreg. Agr. 13,47 p. Aug.1952. 100 Or3O

OREGON. AGRICULTURAL EXPERIMENT STATION. Poultry—an appraisal of the problems and a statement of recommendations. Oreg. Agr. Expt. Sta. Oreg. Agr. 18,26 p. Aug.1952. 100 Or3O

OREGON. RURAL LIFE COMMITTEE. Rural life; an appraisal of the problems and a statement of recommendations. Oreg. Agr. Expt. Sta. Oreg. Agr. 19, 82 p. Aug.1952. 100 Or3O

OREGON. AGRICULTURAL EXPERIMENT STATION. Specialty crops—an appraisal of the problems and a statement of recommendations. Oreg. Agr. Expt. Sta. Oreg. Agr. 21,61 p. Aug.1952. 100 Or3O

WARREN, E. P., and BOGART, R. Effect of selection for age at time of puberty on reproductive performance in the rat. Oreg. Agr. Expt. Sta. Tech. B. 25, 27 p. Ref. July 1952. 100 Or3S

Pennsylvania Agricultural Experiment Station, State College

PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; sixty-fifth annual report. Pa. Agr. Expt. Sta. B. 553,69 p. July 1952. 100 P381

DIMIT, R. M., WINK, A. T., and JOHN, M. E. Factors associated with the success of Pennsylvania granges. Pa. Agr. Expt. Sta. B. 556,26 p. Aug.1952. 100 P381

ODLAND, M. L., and NOLL, C. J. Pennvalley cabbage, a new yellows resistant variety. Pa. Agr. Expt. Sta. Prog. Rpt. 84,4 p. Aug.1952. 100 P381P

Rhode Island Agricultural Experiment Station, Kingston

STUCKEY, I. H. Pastures for Rhode Island. R. I. Agr. Expt. Sta. B. 313,98 p. May 1952. 100 R34S

SMITH, J. B., SALOMON, M., and BEVERAGE, R. M. Nitrogen fertilizers for rye cover crops. R. I. Agr. Expt. Sta. B. 314,19 p. Ref. June 1952. 100 R34S

OWENS, A. L. Egg quality in Rhode Island. R. I. Agr. Expt. Sta. B. 317,30 p. May 1952. 100 R34S

South Carolina Agricultural Experiment Station, Clemson

MURRAY, J., and others. Collection methods in dietary surveys; a comparison of the food list and record in two farming areas in the South. South. Coop. Ser. B. 23,66 p. Apr.1952. 100 G29So

E. C. Blake, D. Dickins, and A. M. Moser, joint authors. Cooperatively conducted by home economists in the Agricultural Experiment Stations of Arkansas, Mississippi, South Carolina, Tennessee, and Virginia and the U. S. Bureau of Human Nutrition and Home Economics.

South Dakota Agricultural Experiment Station, Brookings

NAGEL, C. M., and RICHARDSON, L. T. Fungicides for potato blight control. S. Dak. Agr. Expt. Sta. C. 89,19 p. June 1951. 100 So82

GRAFIUS, J. E. A statistical model for estimating components of genetic variance in bulk yield tests of self-pollinated small grains. S. Dak. Agr. Expt. Sta. Tech. B. 9,13 p. May 1952. 100 So82

CAMIN, J. H., and ROGOFF, W. M. Mites affecting domesticated mammals. S. Dak. Agr. Expt. Sta. Tech. B. 10,11 p. May 1952. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

TENNESSEE. AGRICULTURAL EXPERIMENT STATION. Soil management for Lawrence County farms according to their soil resources. Tenn. Agr. Expt. Sta. B. 222,48 p. July 1951. 100 T25S

MCMURRAY, S. F., and others. Chemical control of weeds in field crops. Tenn. Agr. Expt. Sta. B. 224,20 p. May 1952. 100 T25S

J. K. Leasure, J. Epps, and T. H. Jones, joint authors.

RASKOPF, B. D. Marketing cotton planting seed in Tennessee. Tenn. Agr. Expt. Sta. Rur. Res. Ser. Monog. 265,38 p. Nov.1,1952. 173.2 W89Co

TENNESSEE. AGRICULTURAL EXPERIMENT STATION. Tennessee farm and home science. Progress report No. 3,12 p. July/Sept.1952. 100 T25F

Texas Agricultural Experiment Station, College Station

KINCANNON, J. A., and MCNEELY, J. G. An economic appraisal of the Texas hog industry. Tex. Agr. Expt. Sta. B. 749,50 p. June 1952. 100 T31S

MOORE, A. V., and LEIGHTON, R. E. Factors affecting gummy butter. Tex. Agr. Expt. Sta. B. 752,11 p. Sept.1952. 100 T31S

RICHARDSON, L. R., and HALICK, J. V. Moisture in molasses as a factor in the heating of feeds. Tex. Agr. Expt. Sta. B. 754,15 p. Oct.1952. 100 T31S

CHRISTENSEN, P. D., and LYERLY, P. J. Water quality, as it influences irrigation practices and crop production—El Paso and Pecos areas. Tex. Agr. Expt. Sta. C. 132,19 p. Aug.1952. 100 T31S

LEBOURVEAU, W., and PAULSON, W. E. Facts and figures about cooperative cotton gins in Texas. Tex. Agr. Expt. Sta. Misc. P. 87,7 p. Aug.21,1952. 100 T31M

HUDSPETH, E. B., and JONES, D. L. Influence of depth of planting furrow on emergence, harvester efficiency and other related factors in cotton production on the High Plains. Tex. Agr. Expt. Sta. Prog. Rpt. 1484,3 p. Aug.9,1952. 100 T31P

MARTIN, D. F. Peach tree borer [Sanninoidea exitiosa] control. Tex. Agr. Expt. Sta. Prog. Rpt. 1486, 3 p. Aug.15,1952. 100 T31P

RIEWE, M. E., and SMITH, J. C. Seeding oats on an established Dallis and Bermudagrass sod. Tex. Agr. Expt. Sta. Prog. Rpt. 1487,3 p. Aug.16,1952. 100 T31P

JOHNSTON, H. G., and SORENSON, J. W., JR. Control of storage insects in sorghum grain in south Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1488,4 p. Aug.18, 1952. 100 T31P

CHRISTENSEN, P. D., BAYLES, J. J., and LYERLY, P. J. Yield of seed cotton at Pecos in 1951 as influenced by applications of ammonium nitrate and superphosphate. Tex. Agr. Expt. Sta. Prog. Rpt. 1489, 2 p. Aug.21,1952. 100 T31P

CHRISTENSEN, P. D., and LYERLY, P. J. Cotton yields in the El Paso Valley in 1951 as influenced by applications of ammonium nitrate and superphosphate. Tex. Agr. Expt. Sta. Prog. Rpt. 1490,3 p. Aug.21,1952. 100 T31P

GRIMES, M. A., and WERMAN, C. A. Effect of laundering on shirts. Tex. Agr. Expt. Sta. Prog. Rpt. 1504,4 p. Oct.31,1952. 100 T31P

WENE, G. P., and WHITE, A. N. Control of migratory boll weevils [Anthonomus grandis]. Tex. Agr. Expt. Sta. Prog. Rpt. 1505,3 p. Nov.13,1952. 100 T31P

MOTHERAL, J. R., METZLER, W. H., and DUCOFF, L. J. Labor turnover in cotton production, Texas High Plains, 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1506,4 p. Nov.13,1952. 100 T31P

HUBBARD, J. L., and others. Cotton variety tests in the Lower Rio Grande Valley, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1507,4 p. Nov.13,1952. 100 T31P
C. S. Miller, N. J. Cain, and W. R. Cowley, joint authors.

REA, H. E. Control of early weed and grass seedlings in cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1508, 4 p. Nov.14,1952. 100 T31P

SLEETH, B. Citrus-root nematode and old citrus soil problems in the Lower Rio Grande Valley. Tex. Agr. Expt. Sta. Prog. Rpt. 1510,2 p. Nov.18,1952. 100 T31P

Utah Agricultural Experiment Station, Logan

MORRISON, E. M., and BLANCH, G. T. An economic study of the production of canning tomatoes in Utah, 1948 and 1949. Utah. Agr. Expt. Sta. B. 355,29 p. Aug.1952. 100 Ut1

LAMBORN, E. W., and ANDERSON, R. H. Consumer demand for fruit, Salt Lake City, Utah, 1948-49. Utah. Agr. Expt. Sta. B. 356,20 p. Aug.1952. 100 Ut1

Virginia Agricultural Experiment Station, Blacksburg

BOBB, M. L. The life history and control of the plum curculio [Conotrachelus nenuphar] in Virginia. Va. Agr. Expt. Sta. B. 453,30 p. Ref. May 1952. 100 V81S

VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Statistical methods for sensory difference tests of food quality; bi-annual report No. 4, by R. A. Bradley and M. E. Terry. Blacksburg,1952. various pagings. 389.9 V81

Washington Agricultural Experiment Station, Pullman

JORGENS, J. R. S., and SNODGRASS, D. Handling-storing costs of country grain warehouses in Washington. Wash. Agr. Expt. Sta. B. 536,30 p. June 1952. 100 W27E

HARSTON, C. R., and VOORHIES, E. C. Trade in western livestock at auctions. 2. Analysis of livestock marketings. Wash. Agr. Expt. Sta. B. 537,112 p. June 1952. 100 W27E

LANDIS, P. H., and STONE, C. L. The relationship of parental authority patterns to teenage adjustments. Wash. Agr. Expt. Sta. B. 538,31 p. Sept.1952. 100 W27E

WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Irrigation Experiment Station research program, 1952. Wash. Agr. Expt. Sta. C. 198,8 p. July 1952. 100 W27S

SWANSON, J. P. Cost of producing apples in orchard areas of Washington in 1951. Wash. Agr. Expt. Sta. C. 199,2 p. Aug.14,1952. 100 W27S

CHAMBERLAIN, A. R. Measuring water in small channels with WSC flume. Wash. Agr. Expt. Sta. C. 200,9 p. Sept.1952. 100 W27S

MOLENAAR, A., CRIDDLE, W. D., and PAIR, C. H. Estimates of consumptive use and irrigation requirements of crops in Washington. Wash. Agr. Expt. Sta. C. 201,20 p. Sept.1952. 100 W27S

BLOSSER, T. H., and others. The use of large amounts of silage in the dairy ration. Wash. Agr. Expt. Sta. C. 202,6 p. Sept.1952. 100 W27S
G. W. Porter, R. E. Lintott, A. O. Shaw, and U. S. Ashworth, joint authors.

SIMKOVER, H. G., and REED, M. R. A limited survey of insect, rodent, and bird contamination of grain storage facilities in eastern Washington with recommendations for its prevention. Wash. Agr. Expt. Sta. C. 205, 10 p. Oct.1952. 100 W27S

SLOCUM, W. L. Agricultural training for veterans; a report on reactions of participants. Wash. Agr. Expt. Sta. C. 206,16 p. Oct.1952. 100 W27S

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

ARIZONA University, College of Agriculture, Agricultural Extension Service, Tucson

KIGHTLINGER, E. M. Your 4-H demonstration. Ariz. Agr. Col. Ext. C. 201,11 p. July 1952. 275.29 Ar42

COLORADO State College of Agriculture, Extension Service, Fort Collins

MICKLE, G. T. Colorado field-crop insect pests. Colo. Agr. Col. Ext. B. 419-A,19 p. Apr.1952. 275.29 C71E

BARMINGTON, R. D., and MCBIRNEY, S. W. Mechanizing the production of sugar beets. Colo. Agr. Col. Ext. B. 420-A,40 p. Apr.1952. 275.29 C71E

CONNECTICUT University, College of Agriculture, Agricultural Extension Service, Storrs

HICOCK, H. W., OLSON, A. R., and CALLWARD, F. M. The Connecticut charcoal kiln. Conn. Agr. Col. Ext. B. 431,48 p. June 1951. 275.29 C76B
Includes a report on the manufacture and utilization of charcoal by R. H. Fenton.

MINNUM, E. C. The production of sweet corn. Conn. Agr. Col. Ext. Folder 48,8 p. Jan.1951. 275.29 C76E

BRUNDAGE, K. P. Suppose you were a hired man! Conn. Agr. Col. Ext. Folder 54,6 p. June 1951. 275.29 C76E

MINNUM, E. C. Summer squash. Conn. Agr. Col. Ext. Folder 55,4 p. Feb.1952. 275.29 C76Ex

MINNUM, E. C. Winter squash and pumpkins. Conn. Agr. Col. Ext. Folder 56,8 p. Feb.1952. 275.29 C76Ex

HESSELTINE, W. R., and FELLOWS, I. F. Gas-tight silos. Conn. Agr. Col. Ext. Folder 57,6 p. Jan.1952. 275.29 C76Ex

HAWAII University, Agricultural Extension Service, Honolulu

RUST, I. How to finance a farmers' cooperative. Hawaii. U. Agr. Ext. C. 324,3 p. June 1952. 275.29 H312Ac

RUST, I. How does a farmers' marketing cooperative pay its member-patrons. Hawaii. U. Agr. Ext. C. 325,4 p. June 1952. 275.29 H312Ac

RUST, I. Farmers' cooperatives versus other methods of doing business. Hawaii. U. Agr. Ext. C. 327, 4 p. June 1952. 275.29 H312Ac

RUST, I. Purchasing cooperatives for Hawaii's farmers. Hawaii. U. Agr. Ext. C. 329,3 p. June 1952. 275.29 H312Ac

RUST, I. Who's the boss in your cooperative? Hawaii. U. Agr. Ext. C. 330,2 p. June 1952. 275.29 H312Ac

RUST, I. The revolving fund method of raising capital for farmers' cooperatives. Hawaii. U. Agr. Ext. C. 331,4 p. June 1952. 275.29 H312Ac

IDAHO University, College of Agriculture, Extension Service, Moscow

RINEHART, E. F. The Idaho 4-H Sheep Club. Idaho. Agr. Col. Ext. B. 188,20 p. Feb.1952. 275.29 Id13

WOODBURY, G. W. Your vegetable garden. Idaho. Agr. Col. Ext. C. 124,12 p. Sept.1952. 275.29 Id13C

IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Directory of Idaho farmers' cooperatives, by R. W. Wilcox. Boise,1952. 10 p. 275.29 Id13Di

ILLINOIS University, College of Agriculture, Extension Service, Urbana

BATEMAN, H. P., PICKARD, G. E., and BOWERS, W. Corn picker operation to save corn and hands. Ill. Agr. Col. Ext. C. 697,11 p. Aug.1952. 275.29 IL62C

CARTER, D. G., and CORBIN, M. R. Development of cooperative farm housing research in the North Central Region. Ill. Agr. Col. Ext. C. 699,24 p. Sept. 1952. 275.29 IL62C

INDIANA - Purdue University, Agricultural Extension Service, Lafayette

DANIEL, W. H., and others. The lawn, its making and maintenance. Purdue. U. Agr. Ext. B. 254, rev.,19 p. Aug.1952. 275.29 In2E
R. B. Hull, O. C. Lee, and E. G. Sharvelle, joint authors.

KENTUCKY University, College of Agriculture and Home Economics, Extension Service, Lexington

KRUEGER, J. N. Heating practices and equipment for curing burley tobacco. Ky. Agr. Col. Ext. C. 496,16 p. Aug.1952. 275.29 K415

RAMSEY, R. J. Evaluation of the Kentucky Farm and Home Development Program, 1951. Ky. Agr. Col. Ext. RS-1,19 p. 1952? 275.29 K4152

KENTUCKY. UNIVERSITY. COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. 1951 annual report. Lexington,1952. 39 p. 275.29 K415Ar

LOUISIANA State University and Agricultural and Mechanical College, Division of Agricultural Extension, University Station, Baton Rouge

LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. DIV. OF AGRICULTURAL EXTENSION. Your investment in better living in Louisiana. Baton Rouge,1952. 12 p. 275.29 L932A

MAINE University, College of Agriculture, Agricultural Extension Service, Orono

MAINE. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Extension serves Maine people; annual report of the director of the Extension Service, 1951/52. Maine. Agr. Col. Ext. B., 47 p. Sept.1952. 275.29 M281Rt

MARYLAND University, Colleges of Agriculture and Home Economics, Extension Service, College Park

NEWCOMER, J. L., and STABLER, S. P. Plant good seed. Md. Agr. Col. Ext. Fact Sheet 58,2 p. Sept.1952. 275.29 M36Fa

RICE, W. H. Managing pullets for egg production; a nine-point program. Md. Agr. Col. Ext. Fact Sheet 59,4 p. Sept.1952. 275.29 M36Fa

SCHABINGER, J. R. Production testing for Maryland dairymen. Md. Agr. Col. Ext. Fact Sheet 60, 2 p. Oct.1952. 275.29 M36Fa

DIETRICH, J. P., and POU, J. W. Efficient breeding for dairy herds. Md. Agr. Col. Ext. Fact Sheet 61,2 p. Oct.1952. 275.29 M36Fa

MICHIGAN State College of Agriculture and Applied Science, Extension Division, East Lansing

LEVIN, J. H., and GASTON, H. P. How to reduce losses caused by apple bruising. Mich. State Col. Agr. Ext. Folder F-172,6 p. June 1952. 275.29 M58Ex

NEBRASKA University, College of Agriculture, Agricultural Extension Service, Lincoln

NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. List of technical bulletins. Lincoln,1952. 6 p. 275.29 N272Lit

NEW HAMPSHIRE University, College of Agriculture and the Mechanic Arts, Extension Service, Durham

FEDERAL RESERVE BANK OF BOSTON. Forest market report, 1952. N. H. Agr. Col. Ext. B. 102, 26 p. Dec.1951. 275.29 N45
U. S. Forest Service, Northeastern Forest Experiment Station cooperating.

NEW JERSEY State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Blueberry insect and disease control chart, 1952, by C. A. Doehlert, M. T. Hutchinson, and A. C. Goheen. New Brunswick,1952? 275.29 N46BL

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Cranberry insect and disease control chart, 1952, by C. A. Doehlert, A. C. Goheen, and M. T. Hutchinson. New Brunswick,1952? 275.29 N46Cr

NEW YORK State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

WINCH, F. E., JR. Care of forest plantations on farm lands. N. Y. Agr. Col. Cornell Ext. B. 867,24 p. Oct.1952. 275.29 N48E

NORTH CAROLINA University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

MAUPIN, C. J., and others. Culling the poultry flock. N. C. Agr. Col. Ext. C. 156,rev.,15 p. Aug.1952. 275.29 N811
C. F. Parrish, T. B. Morris, and W. G. Andrews, joint authors.

ELLIS, D. E. Tomato wilt diseases. N. C. Agr. Col. Ext. Folder 92,6 p. Sept.1952. 275.29 N811Ex

OSBORNE, J. C., ROLLINS, H. J., and KELLEY, J. Brucellosis in swine. N. C. Agr. Col. Ext. Folder 93,6 p. Nov.1952. 275.29 N811Ex

PARRISH, C. F., and DOBSON, S. H. Grazing crops for poultry. N. C. Agr. Col. Ext. Folder 94,6 p. Sept.1952. 275.29 N811Ex

OHIO State University, College of Agriculture, Agricultural Extension Service, Columbus

OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1952 farm efficiency; how to get it! Ohio. Agr. Col. Ext. L. L-9,8 p.-folder. Feb.1952. 275.29 Oh32EL

OREGON State College, Federal Cooperative Extension Service, Corvallis

SULLIVAN, J. Diseases in Oregon rabbits. Oreg. State Col. Ext. B. 726,12 p. Aug.1952. 275.29 Or32B

OREGON. STATE COLLEGE. ANIMAL HUSBANDRY DEPT. Hog houses and equipment. Oreg. State Col. Ext. B. 727,15 p. Aug.1952. 275.29 Or32B
Oregon State College, Agricultural Engineering Department cooperating.

PENNSYLVANIA State College, Agricultural Extension Service, State College

LEUSCHNER, F. H., and CALLENBACH, E. W. Early care of chicks. Pa. State Col. Agr. Ext. C. 406, 21 p. Aug.1952. 275.29 P38C

PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Phenothiazine for control of internal parasites of sheep. Rev. Pa. State Col. Agr. Ext. L. 151,6 p. Aug.1952. 275.29 P38L
Revision of a leaflet written by W. T. S. Thorp and W. B. Connell.

PUERTO RICO University, College of Agriculture, Extension Service, Rio Piedras

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Lo que hizo extensión agrícola en el ano 1951, informe anual. Rio Piedras, 1952. 41 p. 275.29 P96I

SOUTH DAKOTA State College of Agriculture, Extension Service, Brookings

BONZER, B., and LUBINUS, L. Modern poultry housing, with plans for the new South Dakota laying house. S. Dak. State Col. Agr. Ext. C. 481,8 p. June 1952. 275.29 So85

BENDER, L. M. Inflation and deflation. S. Dak. State Col. Agr. Ext. C. 482,8 p. May 1952. 275.29 So85

DAILEY, E. Marketing livestock for more profit. S. Dak. State Col. Agr. Ext. L. 143,6 p.-folder. June 1952. 275.29 Sa85E

DAILEY, E. Seasonal patterns of livestock prices. S. Dak. State Col. Agr. Ext. L. 145,6 p.-folder. June 1952. 275.29 Sa85E

UTAH State Agricultural College, Extension Service, Logan

KNOWLTON, G. F., LIEBERMAN, F. V., and SNOW, S. J. Alfalfa weevil [Hypera postica]. Utah. State Agr. Col. Ext. B. 220,2 p. Mar.1951. 275.29 Ut1

KNOWLTON, G. F., LIEBERMAN, F. V., and SORENSON, C. J. Lygus bug control for alfalfa seed production. Utah. State Agr. Col. Ext. B. 221,2 p. Mar. 1951. 275.29 Ut1

KNOWLTON, G. F., and LIEBERMAN, F. V. Controlling pea aphid [Macrosiphum pisi] on alfalfa in Utah. Utah. State Agr. Col. Ext. C. 153,2 p. Apr.1952. 275.29 Ut1

JOHNSON, T. Press as you sew. Utah. State Agr. Col. Ext. C. 161,15 p. n.d. 275.29 Ut1

JOHNSON, T. The art of mending. Utah. State Agr. Col. Ext. C. 162,12 p. n.d. 275.29 Ut1

KNOWLTON, G. F. Controlling the squash bug [Anasa tristis]. Utah. State Agr. Col. Ext. C. 164, 2 p. Apr.1952. 275.29 Ut1

RAWEY, E., LOW, J. B., and SHARP, D., JR. The muskrat, a farm crop. Utah. State Agr. Col. Ext. C. 168,16 p. June 1952. 275.29 Ut1

GARDNER, R. H. Finishing wood, old and new. Utah. State Agr. Col. Ext. C. 171,29 p. June 1952. 275.29 Ut1

WASHINGTON State College, Extension Service, Pullman

WASHINGTON. STATE COLLEGE. POULTRY COUNCIL. Feeding and management of layers. Wash. State Col. Ext. B. 349,8 p. Sept.1952. (Poultry Pointers 20, rev.) 275.29 W27Pou

WASHINGTON. STATE COLLEGE. POULTRY COUNCIL. Common external parasites of chickens and turkeys. Wash. State Col. Ext. B. 370,8 p. Nov.1952. (Poultry Pointers 34,rev.) 275.29 W27Pou

DICKERSON, L. B. Furniture arrangement. Wash. State Col. Ext. B. 464,4 p. Oct.1952. 275.29 W27P

ECKBLAD, I. Family meals for special occasions; 4-H food and fun—Unit I. Wash. State Col. Ext. B. 466,12 p. Oct.1952. 275.29 W27P

ERB, R. E., ROBERTS, J., and MURDOCK, F. R. Raising dairy calves in open sheds. Wash. State Col. Ext. C. 211,7 p. Oct.1952. 275.29 W27C

MORRISON, K. J. Big trefoil [Lotus uliginosus]. Wash. State Col. Ext. C. 213,6 p.-folder. Nov.1952. 275.29 W27C

WASHINGTON. STATE COLLEGE. EXTENSION SERV. You can do a lot for 4-H Club work. Wash. State Col. Ext. C. 214,6 p.-folder. Oct.1952. 275.29 W27C

HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 216,6 p.-folder. Sept.24,1952. 275.29 W27C

HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 217,6 p.-folder. Oct.21,1952. 275.29 W27C

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Annuaire international de législation agricole XXXIIIeme-XXXVeme années 1943-1945. Rome,1952. 974 p. 30.5 In82

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Efficient use of fertilizers. London,Hill,1952. 158 p. 57 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Fats and oils. Food & Agr. Organ. United Nations. Commod. Rpt. Fats & Oils 4, 35 p. Oct.1952. 281.3779 F73

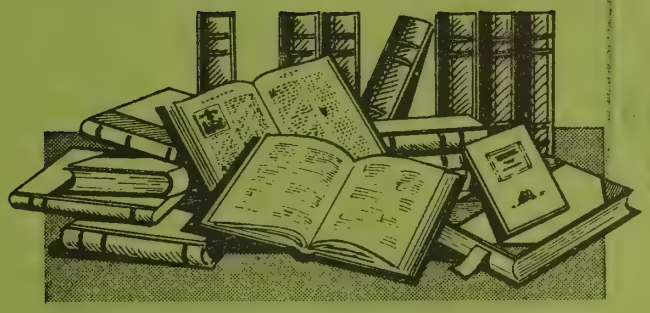
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. A reconsideration of the economics of the International Wheat Agreement. Food & Agr. Organ. United Nations. Commod. Policy Studies 1,40 p. Sept.1952. 281.9 F733C

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The state of food and agriculture: review and outlook 1952. Rome,1952. 126 p. 389.9 F735St

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Sugar. Food & Agr. Organ. United Nations. FAO Commod. Ser.22,131 p. Sept.1952. 389.9 F735Cs

INTERNATIONAL RICE COMMISSION. News letter 2,20 p. June 16,1952. 59.9 In83N

BIBLIOGRAPHY OF AGRICULTURE



LIBRARY
RECEIVED

U.S. DEPARTMENT
OF AGRICULTURE
LIBRARY

S 20136-30513 MARCH 1953 VOL. 17, NO. 3

The subject index for volume 17 of the Bibliography of Agriculture will appear as number 12 of volume 17, the issue of December 1953.

Abbreviations used in this publication are from the United States Department of Agriculture Bibliographical Bulletin 12, List of Serials Currently Received in the Library of the United States Department of Agriculture, November 1, 1949. June 1950.

Call numbers following the citations are those of the United States Department of Agriculture Library. Please use them when requesting publications on loan from the Library.

Except for printed publications of the Department of Agriculture which are usually available in limited supply for free distribution, the publications listed herein are not available for free distribution from the Department. However, photoprint or microfilm copies of any publication listed may be obtained from the Library. Copying charges for each periodical article or book are:

MICROFILMS:
$1.00 for each 50 pages or fraction thereof from a single article or book.

PHOTOPRINTS:
$1.00 for each 10 pages or fraction thereof from a single article or book.

ALL CHARGES ARE CASH WITH ORDER. (Only Federal agencies are exempt.)
Enclose payment in cash, library coupon, check, or money order drawn to the Treasurer of the United States.

LIBRARY COUPONS—United States Department of Agriculture Library coupons valued at $1.00 each may be ordered in any quantity.

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Jan. 11, 1950).

UNITED STATES DEPARTMENT OF AGRICULTURE
LIBRARY

BIBLIOGRAPHY OF AGRICULTURE

Vol. 17 | March 1953 Items 20136-30513 | No. 3

CONTENTS

	Item
Plant Science	20136-22839
Systematic and Geographic Botany	20218
Spermatophytes	20240
Pteridophytes	20372
Bryophytes	20381
Algae	20400
Fungi	20420
Pathology	20480
Fungus Diseases	20582
Bacterial Diseases	20756
Virus Diseases	20774
Nematodes	20818
Ecology	20838
Morphology, Anatomy, and Cytology	20893
Genetics	21002
Physiology	21045
Biochemistry	21333
Field Crops	21399
Cereals	21438
Fiber Crops	21530
Forage and Grasses	21557
Oil Crops	21855
Sugar Crops	21876
Tobacco	21922
Horticultural Crops	21937
Fruits	21990
Citrus and Subtropical	22048
Deciduous	22089
Small	22145
Nuts	22233
Shade Trees and Ornamental Plants	22251
Vegetables	22544
Weeds and Poisonous Plants	22671
Miscellaneous	22763
Soils and Fertilizers	22840-23569
Soil Science	22840
Soil Physics	22851
Soil Chemistry	22910
Soil Biology	22965
Soil-Plant-Animal Relationships	22990
Soil Genesis, Formation, Classification and Mapping	22993
Soil Management	23032
Soil Fertility	23064
Tilth and Tillage	23272
Drainage, Irrigation, Water Supply, etc.	23294
Erosion and Control	23418
Sanitation	23494
Materials for Soil Improvement	23503
Secondary and Minor Element Materials	23506
Mixed Fertilizers and Fertilizer Technology	23507
Fertilizer Statistics	23514
Mineral Soil Amendments	23544
Manures and Composts	23552
Forestry	23570-24369
General	23570
Education	23615
Policies, Programs, Administration	23626
Legislation and Taxation	23684
Description and Resources	23690
Individual Genera	23713
Forest Management and Finance	23759
Farm Woodlands	23801
Mensuration, Surveying, Photogrammetry	23821
Silviculture	23850
Silvicultural Practices	23883
Seeding and Planting	23906
Forest Protection and Damage	24006
Fire	24020
Forest Influences	24045
Miscellaneous Forest Uses	24059
Forest Industries and Trade	24061
Lumbering	24083
Lumbering Equipment	24092
Logging	24103
Sawmills	24138
Processing and Woodworking	24151
Seasoning, Conditioning and Finishing	24154
Wood Preservation and Damage	24161
Forest Products	24179
Lumber and Rough Products	24186
Building Construction	24210
Veneers, Plywood and Adhesives	24226
Furniture	24260
Containers	24261
Pulp and Paper	24262
Chemical Products and Distillates	24306
Naval Stores	24311
Other Forest Products	24336
Wood Technology	24343
Properties and Structure	24361
Animal Industry	24370-25844
Breeds and Breeding	24370
Feeds and Feeding	24394
Veterinary Medicine	24531
Miscellaneous	24652
Cattle	24683
Breeds and Breeding	24683
Feeds and Feeding	24791
Veterinary Medicine	24894
Miscellaneous	25034
Dogs and Cats	25130
Breeds and Breeding	25130
Feeds and Feeding	25153
Veterinary Medicine	25154
Miscellaneous	25201
Fur Animals - Pen Raised	25208
Breeds and Breeding	25208
Feeds and Feeding	25214
Veterinary Medicine	25218
Miscellaneous	25228
Horses and Mules	25235
Breeds and Breeding	25235
Feeds and Feeding	25254
Veterinary Medicine	25257
Miscellaneous	25284
Laboratory Animals, Small	25299
Breeds and Breeding	25299
Veterinary Medicine	25300
Miscellaneous	25304

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
$6.00 per year, domestic; $8.00 per year, foreign. Single copies vary in price.

	Item
Poultry	25305
Breeds and Breeding	25305
Feeds and Feeding	25358
Veterinary Medicine	25425
Miscellaneous	25505
Rabbits	25599
Breeds and Breeding	25599
Feeds and Feeding	25613
Veterinary Medicine	25615
Miscellaneous	25619
Sheep and Goats	25626
Breeds and Breeding	25626
Feeds and Feeding	25658
Veterinary Medicine	25682
Miscellaneous	25730
Swine	25750
Breeds and Breeding	25750
Feeds and Feeding	25767
Veterinary Medicine	25801
Miscellaneous	25826
Entomology	25845-26748
General - Economic	25883
Insecticides	25987
Apiculture and Apis Mellifera	26019
Arachnida, etc.	26182
Coleoptera	26232
Diptera	26341
Culicidae	26418
Hemiptera	26462
Hymenoptera	26536
Lepidoptera	26574
Orthoptera	26669
Sericulture and the Silkworm	26701
Smaller Orders	26707
Agricultural Engineering	26749-27284
General and Miscellaneous	26749
Machines and Equipment	26774
Animal Husbandry	26848
Cultivation and Tillage	26887
Fertilizer and Seed Distributors	26911
Harvesting	26921
Land Clearing Equipment	26979
Processing Equipment Used on the Farm	26985
Repair, Maintenance, and Construction	27033
Spraying and Dusting	27046
Vehicles	27059
Structures and Rural Housing	27115
Animal Shelters and Service Buildings	27129
Farmhouses and Farmsteads	27185
Greenhouses and Plant Service Buildings	27197
Materials and Methods	27205
Storage Structures	27207
Walls and Fences	27217
Utilities	27223
Electricity and Electrification	27223
Heating, Lighting and Radiation	27262
Power Plants, Motors and Engines	27267
Sewage and Waste Disposal	27277
Telephones	27278
Water Supply	27281
Agricultural Products: Processing, Distribution, and Statistics	27285-29071
Analysis and Composition	27326
Consumption, etc.	27342
Distribution, etc.	27351
Grading, etc.	27406
Packing and Packaging	27428
Prices, etc.	27441
Processing and Storage	27464
Statistics	27505
Beverages and Condiments	27544
Dairy Products	27692
Analysis and Composition	27777
Consumption, etc.	27818
Distribution, etc.	27822
Grading, etc.	27873
Packing and Packaging	27897
Prices, etc.	27909
Processing and Storage	27923
Statistics	28006
Feed and Forage Crops	28011
Fibers and Textiles	28062
Fruits, Vegetables, and Nuts	28214
Analysis and Composition	28239
Consumption, etc.	28263
Distribution, etc.	28271
Grading, etc.	28321
Packing and Packaging	28345
Prices, etc.	28361
Processing and Storage	28368
Statistics	28436
Grain and Grain Products	28448
Honey and Beeswax	28560
Livestock and Livestock Products	28567
Analysis and Composition	28618
Consumption, etc.	28636
Distribution, etc.	28639
Grading, etc.	28674
Packing and Packaging	28701
Prices, etc.	28702
Processing and Storage	28710
Statistics	28749
Oils and Oilseeds	28758
Poultry and Poultry Products	28854
Rubber and Rubber Substitutes	28939
Seeds	28955
Sugar and Sirups	28981
Tobacco	29026
Miscellaneous	29053
Agricultural Economics and Rural Sociology	29072-30211
Agricultural Finance	29093
Credit	29101
Income	29144
Inflation	29150
Insurance	29151
Taxation	29167
Agricultural Labor and Wages	29227
Agriculture - Situation, Policies, and Programs	29280
Subsidies	29460
Cost and Standard of Living	29462
Farm Management and Land Economics	29472
Bookkeeping and Records	29569
Costs and Returns	29580
Land Settlement and Colonization	29645
Land Tenure	29661
Land Utilization	29716
Land Values, etc.	29732
Population	29740
Rural Social Organization	29757
Human Ecology	29769
Institutions	29787
Leadership	29967
Rural Organizations and Movements	29969
Rural Social Psychology	30144
Trade, Foreign and International	30153
Food and Human Nutrition	30212-30346
Food Habits	30289
Nutritive and Vitamin Content	30297
Miscellaneous	30347-30513
History and Biography	30392
Home Management	30440
International Relations	30465
Meteorology	30467
Personnel	30473
Research	30474
Statistics	30511
U. S. D. A. Publications	p. 222
State Agr. Expt. Sta. Publications	p. 229
State Agr. Ext. Serv. Publications	p. 234
Food and Agr. Organ. of the U. N.	p. 239
AUTHOR INDEX	p. 241

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Jan. 11, 1950)

PLANT SCIENCE

GENERAL

20136 ARGENTINE REPUBLIC. INSTITUTO DE SANIDAD VEGETAL. DEPT. DE FITOPATOLOGÍA. Catalogo de cultivos puros de la Division de Fitopatología, por J. E. Wright and E. del Busto. Buenos Aires, 1952. 64 p. 464 Ar32

20137 BABB, G. F. Collecting trip to Smugglers Notch, Vt. Amer. Rock Gard. Soc. B. 10:87-90. Oct. 1952. 81 Am342

20138 BADGLEY, MRS. F. B. The Earhart Plant Research Laboratory. Gard. Club Amer. B. 41:38-39. Jan.1953. 90.32 G16

20139 BAER, E. VON. Evolución de las plantas silvestres a plantas cultivadas. Campesino [Santiago] 84(9):7,9,11. Sept.1952. 9.3 So12

20140 BAXTER, R. W The coal age flora of Kansas. 1. Kans. Acad. Sci. Trans. 55:101-112. Mar. 1952. 500 K13T

20141 BIEBERDORF, F. W., and SWINNY, B. Mesquite [Prosopis juliflora] and related plants in allergy. Ann. Allergy 10:720-724. Nov./Dec.1952. 448.8 An72

20142 BLACKBURN, K. B. The dating of a deposit containing an elk skeleton found at Neasham near Darlington, County Durham. New Phytol. 51:364-377. Ref. Nov.1952. 450 N42
Paleobotany.

20143 BOER, H. J. DE. Tree ring measurements in Java and the sunspot cycle from A.D. 1514. Nederland. Akad. van Wetensch. Proc. Ser. B: Phys. Sci. 55:386-394. Sept./Oct.1952. 330.9 Am8

20144 BOWERS, R. D. The law on boundary line trees. Rur. New-Yorker 102:767-768. Dec.20,1952. 6 R88

20145 BROCKMANN-JEROSCH, H. Erläuterungen zur vegetationskarte der erde. Gotha,Perthes,1952. 16 p. 452.9 B78E

20146 BROOKE, W. M. A. Some Bolivian plants. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1951/52: 137-143. 420 So8

20147 BRUUN, T. Hydrogen disproportionation in fossil stumps of Scots fir (Pinus sylvestris L.). Norske Vidensk. Selsk. Skr. 4,85 p. Ref. 1950,pub.1952. 502 T41S

20148 CARL, A. Verbesserung des bodennahen klimas und frostschutz durch beregnung. Deut. Wetterdienst in der US-Zone. Ber. 32:78-82. 1952. 345 G313
Includes discussion.

20149 CHMIELECKI, W. Nasiona i siew [Planting seeds]. Warszawa,Państwowe Wydawnictwo Rolnicz i Leśne,1952. 39 p. 61 C45

20150 CHOWDHURY, K. A., and TANDAN, K. N. A new record for the fossil wood Glutoxylon from the southern part of West Bengal. Cur. Sci. 21:161. June 1952. 475 Sci23

20151 COULTER, F. C. Linnaeus and his "Species Plantarum." Flower Grower 40:10-12. Jan.1953. 80 M72

20152 COULTER, F. C. New international rules to be proposed for the naming of field and garden plants. Seed World 71(11):16-17. Dec.5,1952. 61.8 Se52

20153 CURTIS, P. J., HEMMING, H. G., and JEFFERYS, E. G. Humicolin, an antifungal substance produced by Aspergillus humicola. Brit. Mycol. Soc. Trans. 35:263-267. Dec.1952. 451 B76

20154 DEPAPE, G., and BOURDIER, F. La flore interglaciaire à Rhododendron ponticum L. de Barraux dans la vallée de l'Isère, entre Grenoble et Chambéry. Acad. des Sci. Compt. Rend. 235:1531-1533. Dec.10,1952. 505 P21

20155 DIMBLEBY, G. W. The historical status of moorland in north-east Yorkshire. New Phytol. 51:349-354. Nov.1952. 450 N42
Pollen analysis.

20156 DUPREE, A. H. Thomas Nuttall's controversy with Asa Gray. Rhodora 54:293-303. Dec.1952. 450 R34

20157 ERNST, E. F. Some observations on showy flowers and deciduous plant reproduction in Yosemite Valley. Yosemite Nat. Notes 31:130-131. Sept.1952. 409.6 Y8

20158 FASSETT, N. C. Uses of cellulose acetate in the herbarium. Rhodora 54:286-288. Nov.1952. 450 R34

20159 FELIX, C. J. A study of the arborescent lycopods of southeastern Kansas. Mo. Bot. Gard. Ann. 39:263-288. Ref. Nov.1952. 451 M69

20160 FUSSELL, G. E. A herb against witchcraft. Gard. Chron. 132:254. Dec.27,1952. 80 G162

20161 GASSNER, G. 50 jahre vereinigung für angewandte botanik. Angew Bot. 26:115-117. Aug.1952. 450 An4

20162 GEORGIA. AGRICULTURAL EXPERIMENT STATION. REGIONAL PRIMARY PLANT INTRODUCTION STATION. Crop investigators in the Southern Region (preliminary). Experiment,1952. 88 p. 225 G295

20163 GILL, E. D. Range in time of the Australian Tertiary flora. Austral. J. Sci. 15:47-49. Oct.21,1952. 475 Au72

20164 GLIBERT, L. Rosée et gelée blanche. B. Hort. (n.s.) 7:326-328. Nov.1,1952. 80 B873

20165 GLOVER, L. St. Martin Vesubie. Alpine Gard. Soc. Q. B. 20:297-299. Dec.1952. 84 AL6
Vegetation in southeastern France.

20166 GODWIN, H. Dutch quaternary investigations, a British-Irish-Dutch geological archaeological quaternary excursion in Holland, 1952. New Phytol. 51:417-419. Nov.1952. 450 N42

20167 GRAMBAST, L. Sur la signification des structures généralisées chez les Coniférales et la valeur des Protopinacées en tant que groupe. Acad. des Sci. Compt. Rend. 235:1533-1535. Dec.10,1952. 505 P21

20168 HARPER, R. M. Do plants use judgment? Gard. Club Amer. B. 41:20-23. Jan.1953. 90.32 G16

20169 HEALD, W. F. Who saved the redwoods? Nat. Hist. 62:24-31,44. Jan.1953. 500 N483J

20170 HOSOYA, S., and others. Trichomycin, a new antibiotic with trichomonacidal and antifungal activities. (In Japanese.) J. Antibiotics 5:564-566. Ref. Oct.1952. 396.8 J824
N. Komatsu, M. Soeda, T. Yugaguchi, and Y. Sonoda, joint authors.
English summary.

20171 HOWARD, R. A., and BRIGGS, W. R. The vegetation on coastal dogtooth limestone in southern Cuba. Arnold Arboretum J. 34:88-96. Jan.1953. 451 Ar6J

20172 HYDE, H. A. Studies in atmospheric pollen. V. New Phytol. 51:281-293. Nov.1952. 450 N42

20173 KAMMERER, E. L. The Morton Arboretum. Gard. J. 3:11-14. Jan./Feb.1953. 80 G1635

20174 KOSANKE, R. M. Contributions to Pennsylvanian paleobotany. Urbana,1952. 6 p. 402.1 K84
Abstract of a thesis - University of Illinois.

20175 KÜCHLER, A. W. Vegetation mapping in Europe. Geog. Rev. 43:91-97. Jan.1953. 500 Am35G

20176 LESSMANN, H. Frostwarnung und frostschutz. (Sum.) Deut. Wetterdienst in der US-Zone. Ber. 32:84. 1952. 345 G313
Includes discussion.

20177 MCGRATH, J. K. Plant hunting on Beartooth Plateau. Amer. Rock Gard. Soc. B. 10:37-43. July 1952. 81 Am342
Southern Montana and northwestern Wyoming.

20178 MCKENNON, F. Year-end report on various activities of Department's Division of Plant Industry. Oreg. Dept. Agr. Agr. B. 176:9-10. Dec.1952. 2 Or3

20179 MAEDA, K., and others. On an antitubercular antibiotic produced by Streptomyces cinnamonenis n. sp. J. Antibiotics 5:572-573. Oct.1952. 396.8 J824
Y. Okami, H. Kosaka, O. Taya, and H. Umezawa, joint authors.

20180 MEIDNER, H. An instrument for the continuous determination of leaf thickness changes in the field. J. Expt. Bot. 3:319-325. Sept.1952. 450 J8224

20181 MILLER, J. N. They also "bring 'em back alive." Nat. Mag. 46:37-40. Jan.1953. 409.6 N214
Activities of the Division of Plant Exploration and Introduction, Bureau of Plant Industry, Soils and Agricultural Engineering, U. S. Department of Agriculture.

20182 MITTRE, V. Charophyte remains from the Jurassic of Rajmahal Hills, Behar. Cur. Sci. 21:41-42. Feb.1952. 475 Sci23

20183 MOLDENHAWER, K. Trapa muzzanensis Jäggi aus der mittelalterlichen ausgrabung von Danzig. (In Polish.) Soc. Bot. Polon. Acta 21:733-734. 1952. 451 So16
German summary.

20184 MOLDENKE, H. N. Plants in the life of Christ. Horticulture 30:461,471. Dec.1952. 80 H787

20185 MOREAU, F. Sur un Penicillium du groupe brevi-compactum aux propriétés antibiotiques. Soc. Bot. de France. B. 99:163-166. 1952. 451 F84B

20186 MULLIGAN, B. O. The Arboretum in early fall. Arboretum B. 15(4):1-2,28-29. Winter 1952. 451 Ar1
University of Washington Arboretum.

20187 MULLIGAN, B. O. Into the Olympics August 1951. Alpine Gard. Soc. Q. B. 20:300-314. Dec.1952. 84 AL6
Western Washington.

20188 NIETHAMMER, A., and SCHMID, I. Untersuchungen über kernverhältnisse, sowie anastomosenbildung und deren beziehungen zur abscheidung antibiotischer substanzen bei Penicillien, Fusarien und Cladosporium herbarum. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:321-323. Sept./Oct.1952. 464.8 Z3
English summary.

20189 OHIO. DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. Official report for the period July 1,1950 to June 30, 1952. Columbus,1952. 30 p. 2 Oh36

20190 OKUYAMA, S. Some additions and corrections of names of plants used in my previous writings (tentative list of plants for collectors 1-12). 2. (In Japanese.) J. Jap. Bot. 27:268-270. Sept.1952. 450 J8223

20191 OLMSTED, F. L. The Yosemite Valley and the Mariposa Big Trees; a preliminary report (1865). Landscape Architect. 43:12-25. Oct.1952. 80 L23
With an introductory note by L. W. Roper.

20192 PALMER, G. L. An herbarium-inhabiting bacteriophage [Bacillus cereus]. Okla. Acad. Sci. Proc. 32:51-52. Aug.1952. 500 Ok42

20193 PAVARI, A. A new science: tree ring chronology. (In Italian.) Monti e Boschi 3:435-441. Oct.1952. 16 M76
English summary.

20194 PLACE, MRS. H. G. The National Arboretum. Gard. Club Amer. B. 41:23-25. Jan.1953. 90.32 G16

20195 RAO, A. R., and VIMAL, K. P. Preliminary observations on the plant microfossil contents of some lignites from Warkalli in Travancore. Cur. Sci. 21: 302-305. Nov.1952. 475 Sci23

20196 RICHARD, G. Photographie en couleurs. Cactus [Paris] 33:74. Sept.15,1952. 450 C114

20197 RUBY, F. La grêle; étude sur la formation de la grêle et les moyens de s'en défendre. Paris,Flammarion,1952. 320 p. (La Terre; Encyclopédie Paysanne) 340 R82

20198 SAH, S. C. D. Occurrence of Ginkgoales in the Rajmahal series of Behar. Cur. Sci. 21:129-130. May 1952. 475 Sci23

20199 SCHENCK, S. M., and GIFFORD, W. E. Karok ethnobotany. Berkeley,U. Calif. Press,1952. p.377-392. (Anthropological Records, University of California. v. 13. No. 6) 455.82 Sch6

20200 SHEVCHUK, T. N. Materials from expeditions in 1950. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:125-128. 1951. 451 R92
Expeditions to different Soviet Republics to select field and horticultural crops.

20201 SMITH, MRS. H. O. Rare and useful plants from the Siskiyous. Arboretum B. 15(4):6-7. Winter 1952. 451 Ar1

20202 STEBBINS, G. L. The evolution of cultivated plants and weeds. Evolution 6:445-448. Dec.1952. 443.8 Ev62

20203 STEYERMARK, J. A. Autumn colors in 1952. Mo. Bot. Gard. B. 40:169-170. Dec.1952. 451 M69B

20204 STRAUS, A. Pilze aus dem Pliocän von Willershausen (Kr. Osterode, Harz). Z. f. Pilzk. 12:11-14. Oct.1952. Oct.1952. 450 Z352

20205 SUESSENGUTH, K., and MERXMULLER, H. Über die herkunft der Angiospermen. Phyton [Horn] 4:1-18. Ref. July 10,1952. 450 P565

20206 SURANGE, K. R. SINGH, P. The seeds of Walkomiella indica—a conifer from the Lower Gondwanas of India. Cur. Sci. 21:40-41. Feb.1952. 475 Sci23

20207 SZAFER, W. A member of the family of Podostemonaceae in the Tertiary of West-Carpathian Mts. (In Polish.) Soc. Bot. Polon. Acta 21:747-769. Ref. 1952. 451 So16
English summary.

20208 TAKAHASHI, H., and TSUBURA, E. Studies on chromin, an antifungal substance. (In Japanese.) J. Antibiotics 5:577-578. Oct.1952. 396.8 J824

20209 TAKHTAJAN, A. L. Phylogenetic principles of the system of higher plants. Bot. Rev. 19:1-45. Ref. Jan.1953. 450 B6527

20210 TOWLE, M. A. Plant remains from a Peruvian mummy bundle. Harvard U. Bot. Mus. L. 15:223-246. Ref. Nov.10,1952. 451 H262
Plants identified include Zea mays, Arachis hypogaea and Manihot esculenta.

20211 TRYON, A. F. Rosmarein and Rosemary. Mo. Bot. Gard. B. 40:161-165. Dec.1952. 451 M69B
Rosmarein, the festival of Rosemary (Rosmarinum officinalis).

20212 VENKATAPATHI, T. An easy method of colour preservation in plant specimens for museums and herbaria. Madras Agr. J. 39:565-568. Nov.1952. 22 M262

20213 VERBAND DEUTSCHER LANDWIRTSCHAFTLICHER UNTERSUCHUNGS- UND FORSCHUNGSANSTALTEN IN GEISENHEIM. Wege und ziele der qualitätsforschung und güteförderung bei landwirtschaftlichen und gärtnerischen erzeugnissen; vorträge gehalten auf der tagung der fachgruppe "Qualitätsermittlung." Landwirt. Forsch. Sonderh. 2,104 p. 1952. 18 L2333A

20214 VERVOORT, R. Les ressources du Congo. Nat. de Mons et du Borinage. B. Mens. 34:26-30. 1951. 410.9 N212
Plants chiefly.

20215 WELTEN, M. Uber die spät- und postglaziale vegetationsgeschichte des Simmentals. Geobot. Inst. Rübel. Zürich. Veröffentl. 26,135 p. Ref. 1952. 451 Z83

20216 WYATT, G. R., and COHEN, S. S. Pectinase technique for isolating plant cells. Nature [London] 170: 1070-1073. Dec.20,1952. 472 N21

20217 WYMAN, D. The Hunnewell Arboretum. 1852-1952. Arnoldia 12:61-84. Dec.12,1952. 451 Ar6Ba

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

20218 ALLARD, H. A., and LEONARD, E. C. The vegetation and floristics of Bull Run Mountain, Virginia. Castanea 17:145-153. Dec.1952. 450 So82

20219 BÜTTIKOFER, J. Die Kanarischen Inseln als letztes refugium einer hochinteressanten, aussterbenden, alten flora. Schweiz. Natschutz, 18:93-98. (Cont.) Nov.1952. 279.8 Sch9

20220 CUFODONTIS, G. Enumeratio plantarum Aethiopiae. II-III. Phyton [Horn] 4:72-82,176-193. Ref. July 10,1952. 450 P565
II, Bryophyta: Hepaticae. III, Pteridophyta.

20221 DEGENER, O., and HATHEWAY, W. Die flora des Cantonatolls im stillen ozean. Rev. Sudamer. de Bot. 10:33-37. Oct.1952. 450 R3242

20222 ESCAREL, G. Notes sur des herborisations en Corse et confirmation sur l'existence de quelques espèces rares. Soc. Bot. de France. B. 99:144-145. 1952. 451 F84B

20223 GAUBA, E. Botanische reisen in der persischen dattelregion. Nathist. Mus. in Wien. Ann. 58:13-32. (Cont.) 1951. 410.9 V672

20224 GLASSMAN, S. F. The flora of Ponape. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:69. Oct.1952. 500 C717

20225 GLASSMAN, S. F. List of non-vascular plants from Ponape, Caroline Islands. Amer. Midland Nat. 48: 735-740. Ref. Nov.1952. 410 M58

20226 GREENWAY, P. J. A flora for tropical East Africa. East African Agr. J. 18:9-10. July 1952. 24 Ea74

20227 HVASS, H. Flora i farver [Flora in color]. København,Politikens Forlag,1952. 192 p. 459.1 H992

20228 LEANDRI, J. Progrès récents des recherches botaniques à Madagascar. Soc. Bot. de France. B. 99: 206-236. Ref. 1952. 451 F84B

20229 MCINTEER, B. B. Original vegetation in the Bluegrass Region of Kentucky. Castanea 17:153-157. Ref. Dec.1952. 450 So82

20230 MEIKLE, R. D. Irish botany and the new Flora. Irish Nat. J. 10:306-308. Oct.1952. 410 Ir42
Flora of the British Isles by A. R Clapham, T. G. Tutin and E. F. Warburg.

20231 MOUTERDE, P. Contribution à l'étude de la flore syrienne et libanaise. Soc. Bot. de France. B. 99: 156-161. 1952. 451 F84B

20232 PARSA, A. Flore de l'Iran, v. 2-5. Teheran, 1948-50. 5 v. 460.17 P25
Cover-title, v. 4-5, dated 1952.

20233 PHELPS, O. A. Some flowers of the Forteau, Labrador, area. Wild Flower 28:73-85. Oct.1952. 451 W642

20234 PISKERNIK, A. Ključ za določanje cvetnic in praprotnic [A key for determination of flowers and ferns]. Ed. 2. Ljubljani,1951. 414 p. 459.7 P67

20235 POLUNIN, N. Perlustrationes plantarum arcticarum. IV. Rhodora 54:271-285. Nov.1952. 450 R34

20236 QUESTEL, A. La flore de la Guadeloupe, Antilles françaises. Paris,1951. 327 p. (Géographie Générale de la Guadeloupe et Dépendances II et III. Géographie Bibliogique 1) 456.3 Q3F

20237 REED, J. F. The vegetation of the Jackson Hole Wildlife Park, Wyoming. Amer. Midland Nat. 48: 700-729. Nov.1952. 410 M58

20238 STRAUSBAUGH, P. D., and CORE, E. L. Flora of West Virginia. I. W. Va. U. Herb. Contrib. 65,272 p. 1952. 451 W523

20239 SVENSON, H. K. A further note on the plants of Vinland the Good. Rhodora 54:289-290. Nov.1952. 450 R34
Labrador.

Spermatophytes

20240 ALLEN, P. H. The swan orchids; a revision of the genus Cycnoches. V. Orchid J. 1:397-403. Oct. 1952. 80 Or174

20241 ANDREWS, F. W. The flowering plants of Anglo-Egyptian Sudan, v. 2. Arbroath,Scotland,Buncle, 1952. 485 p. 460.45 An2

20242 ARAKI, Y. Spicilegia florae nipponiae. 3. J. Jap. Bot. 27:255-258. Aug.1952. 450 J8223
Includes Hemerocallis sempervirens n. sp.

20243 ARNBERGER, L. P. Flowers of the southwest mountains. Santa Fe,N. M.,1952. 112 p. (Southwestern Monuments Association. Popular Series, 7) 455.8 Ar6

20244 AVERS, C. J. Hybridization between Aster sagittifolius and A. shortii. (Abs.) Ind. Acad. Sci. Proc. 61:66. 1951,pub.1952. 500 In2

20245 BACKEBERG, C. Mamillaria nouveaux. II. Cactus [Paris] 33:81-87. Sept.15,1952. 450 C114
Includes new species.

20246 BACKEBERG, C. Une nouvelle espèce de Wilcoxia (W. albiflora). Cactus [Paris] 33:87-88. Sept. 15,1952. 450 C114

20247 BACKEBERG, C. Souvenirs de ma première expédition aux côtes du Vénézuéla et de Colombie, et dans les forêts du delta du Rio Magdalena; découverte du genre Subpilocereus. Cactus [Paris] 33:65-70. Sept.15,1952. 450 C114

20248 BAILEY, I. W., and SMITH, A. C. A new Fijian species of Calyptosepalum [C. pacificum]. Arnold Arboretum J. 34:52-66. Jan.1953. 451 Ar6J

20249 BARRETO, H. L. M. Lavoisieras of the Cipó mountains. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(6):18-33. June 1952. 9.2 M663

20250 BLAKE, S. F. Wolffia papulifera in Texas. Rhodora 54:306-307. Dec.1952. 450 R34

20251 BLOEMBERGEN, S. A critical study in the complex-polymorphous genus Schima (Theaceae). Reinwardtia 2:133-183. Aug.1952. 450 R272

20252 BOIVIN, B. Pugillus Potentillarum. Phytologia 4:89-93. Dec.1952. 450 P563

20253 BOUCHARD, J. Plantes critiques, méconnues ou nouvelles pour la flore de France. Soc. Bot. de France B. 99:134-136. (Cont.) 1952. 451 F84B

20254 BOUCHARD, J., and ARENES, J. À propos d'un Gagea [G. escarelli] critique de Caussols (Alpes-Maritimes). Soc. Bot. de France. B. 99:161-163. 1952. 451 F84B

20255 BREITUNG, A. J. Key to the genus Rubus of the Ottawa Valley. Canad. Field-Nat. 66:108-110. July/Aug.1952. 410.9 Ot8

20256 BROWN, J. R. Notes on Haworthias. Cactus & Succulent J. 24:163-166. Nov./Dec.1952. 451 C11

20257 BUSCHMANN, A. Ein beitrag zur systematischen stellung von Poa violacea Bellardi. Phyton [Horn] 4:132-136. Ref. July 10,1952. 450 P565

20258 CABRERA, A. L. Las plantas cultivadas. XXII-XXIV. Soc. Argentina de Hort. B. 10:32-36,69-72, 114-119. Jan./Mar.-July/Sept.1952. 83 So1

20259 CAMUS, A. Graminées nouvelles de Madagascar et de la réunion. Soc. Bot. de France. B 99:142-144. 1952. 451 F84B
Includes new species in Isachne, Panicum, and Cyrtococcum.

20260 CARDENAS, M. New Bolivian cacti. III, pt. II. Cactus & Succulent J. 24:182-185. Nov./Dec.1952. 451 C11
Includes new species, Cleistocactus parapetiensis and Lobivia caineana.

20261 CARVALHO E VASCONCELLOS, J. DE, and FRANCO, J. DO A. Quercus faginea Lam. in the flora and natural vegetation of Portugal. (In Portuguese.) Inst. Super. de Agron. An. 18:95-98. Ref. 1951. 105.7 L682

20262 CASTELLANOS, A. The southernmost record of the genus "Billbergia." Bromeliad Soc. B. 2:51-53,56. Sept./Oct.1952. 451 B78

20263 CASTELLI, L. Stations nouvelles de Sesleria ovata et de Crepis raetica en Haute-Tarentaise. Soc. Bot. de France. B. 99:167. 1952. 451 F84B

20264 CAVACO, A. Deux Amarantacées nouvelles de Madagascar. Soc. Bot. de France. B. 99:130-131. 1952. 451 F84B
Celosia humbertiana and Cyathula perrieriana.

20265 CAVACO, A. Psilotrichum de Madagascar (Amarantacées). Soc. Bot. de France. B. 99:183-186. 1952. 451 F84B
Includes new species.

20266 CODY, W. J. Chrysopsis falcata adventive in Canada. Rhodora 54:308. Dec.1952. 450 R34

20267 CURTIS, W. M. Variation in certain Tasmanian plants. New Phytol. 51:398-414. Ref. Nov.1952 450 N42
Dianella and Pultenaea.

20268 DAVIS, R. S., and STEINER, M. L. Philippine orchids; a detailed treatment of some one hundred native species. New York,William-Frederick Press, 1952. 270 p. 452.3 D292

20269 DAWSON, E. Y. Notes on Neobuxbaumia. Cactus & Succulent J. 24:167-173. Ref. Nov./Dec.1952. 451 C11

20270 DAYTON, W. A. United States tree books; a bibliography of tree identification. U. S. D. A. Bibliog. B. 20,32 p. Aug.1952. 1 Ag84Bi

20271 DEAM, C. C., YUNCKER, T. G., and FRIESNER, R. C. Indiana plant distribution records, XII. 1951. Ind. Acad. Sci. Proc. 61:72-76. 1951,pub.1952. 500 In2

20272 DUGAND, A. Notas sobre algunas Triplaris (Polygonaceae) de Venezuela y la Costa Caribe de Colombia. Mutisia 10,8 p. Sept.20,1952. 475.5 M98

20273 DUGAND, A. Noticias botanicas colombianas. XI. Mutisia 9,8 p. Sept.18,1952. 457.5 M98

20274 DUGAND, A. Un nuevo genero [Romeroa] de Bignoniaceas. Mutisia 8,8 p. Sept.10,1952. 457.5 M98

20275 ELMENAU, J. VON. Die herkunft des tauernblümchens in Bayern. (Lomatogonium carinthiacum (Wulf.) Rchb.) Bayer. Bot. Gesell. Ber. 29:96-97. 1952. 451 B35B

20276 EVRARD, F. Anacardiacées—Mangiférées nouvelles indochinoises. II. Melanorrhaea, Bouea. Soc. Bot. de France. B. 99:131-132. 1952. 451 F84B

20277 FERNANDES, B. A few comparisons. Orchid Digest 16:257-258. Nov./Dec.1952. 80 Or172
Characteristics common to native orchids and their tropical allies.

20278 FERNANDEZ-PEREZ, A. Una nueva especie colombiana de Coccoloba. Mutisia 5,2 p. Aug.4,1952. 457.5 M98

20279 FERREIRA, F. H. The trees and shrubs of South Africa. n.p.,1951? 27 p. 460.46 F41

20280 FISCHER, E. E. Dawn redwoods produce cones. Arborist's News 17:98-99. Nov.1952. 99.8 Ar14
Metasequoia glyptostroboides.

20281 FRANCO, J. DO A. Species of the genus Agathis Salisb. grown in Portugal. (In Portuguese.) Inst. Super. de Agron. An. 18:99-115. 1951. 105.7 L682
English summary.

20282 FRIESNER, R. C. The pioneer period in the study of Indiana vascular flora. (Abs.) Ind. Acad. Sci. Proc. 61:250. 1951,pub.1952. 500 In2

20283 FURDYNA, L. The occurrence of Genista sagittalis L. in Poland. (In Polish.) Soc. Bot. Polon. Acta 21:725-731. 1952. 451 So16
English summary.

20284 GAGNEPAIN, F. Le Pahudia cochinchinensis au Siam. Soc. Bot. de France. B. 99:167-168. 1952. 451 F84B

20285 GAJEWSKI, W. The hybrids between two subgenera of Geum L. Soc. Bot. Polon. Acta 21:489-516. 1952. 451 So16

20286 GAMBILL, W. G. Notes on the distribution of the Leguminosae in Indiana. Ind. Acad. Sci. Proc. 61:90-96. 1951,pub.1952. 500 In2

20287 GENTY, P. Sur une Orobanche critique: Orobanche malinskyana Rouy. Soc. Bot. de France. B. 99:200-202. 1952. 451 F84B

20288 GERBER, A. Castegn dal'lag oder tabaccher: ein überbleibsel aus vergangenen zeiten. Leben u. Umwelt 9:49-57. Dec.1952. 410 L49
Trapa natans.

20289 GODFREY, R. K. Pluchea, Section Stylimnus, in North America. Elisha Mitchell Sci. Soc. J. 68:238-271. Dec.1952. 500 EL4

20290 GOODMAN, G. J. Notes on Oklahoma plants. Okla. Acad. Sci. Proc. 32:39-40. Aug.1952. 500 Ok42

20291 GRAY, N. E. A taxonomic revision of Podocarpus. VII. The African species of Podocarpus: section Afrocarpus. Arnold Arboretum J. 34:67-76. Ref. Jan. 1953. 451 Ar6J

20292 HAAS, P. A. Neue süddeutsche arten aus dem formenkreis des Ranunculus auricomus L. Bayer. Bot. Gesell. Ber. 29:5-12. 1952. 451 B34B
Includes four new species in Ranunculus.

20293 HARA, H., and KUROSAWA, S. Physalis alkekengi and its variation in East Asia. (In Japanese.) J. Jap. Bot. 27:247-254. Aug.1952. 450 J8223
English summary.

20294 HARRINGTON, H. D. Orchidaceae of Colorado. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:62. Oct.1952. 500 C717

20295 HARVEY, J. C. Notes on orchids in southern Mexico. Orchid J. 1:390-392. Oct.1952. 80 Or174

20296 HAWKES, A. D. A brief history of the genus Phalaenopsis. Orchid J. 1:386-387. Oct.1952. 80 Or174

20297 HAWKES, A. D. Warscewicz's Cattleya. Orchid J. 1:388-389. Oct.1952. 80 Or174

20298 HEPBURN, I. Flowers of the coast. London, Collins,1952. 236 p. (The New Naturalist) 458 H41

20299 HERTER, W. G. Eine laubwerfende Coccoloba (Polygonaceae) in Uruguay. Rev. Sudamer. de Bot. 10:38-39. Oct.1952. 450 R3242

20300 HOLTTUM, R. E. Phalaenopsis in the Malay Peninsula. Orchid J. 1:368-370. Oct.1952. 80 Or174

20301 HOWARD, R. A. The white form of the fringed Polygala in New Hampshire. Rhodora 54:292. Nov.1952. 450 R34

20302 HUTCHISON, P. C. Studies of South American Cactaceae. 1. The identity and status of Rhipsalis monacantha Grisebach. Cactus & Succulent J. 24:176-179. Nov./Dec.1952. 451 C11

20303 HYYPIO, P A. Antennaria rosea Greene in the Lake Superior Region. Rhodora 54:291. Nov.1952. 450 R34

20304 JOHNSTON, I. M. Studies in the Boraginaceae. XXIV. Arnold Arboretum J. 34:1-16. Jan.1953. 451 Ar6J
Includes new genera Moltkiopsis, Mairetis, and Neatostema.

20305 KALLIO, P. Additions to the flora of Satakunta. (In Finnish.) Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon. Tiedonannot 6:141-144. 1951,pub.1952. 410.9 Su7T
English summary.

20306 KARL, J. Zur kenntnis der reliktflora der Ammergauer Alpen. Bayer. Bot. Gesell. Ber. 29:12-14. 1952. 451 B34B

20307 KARPOWICZ, L. Some experiments on the cultivation of Boehmeria nivea (L.) Hook. et Arn. in the Botanical Garden of the University of Warsaw. (In Polish.) Soc. Bot. Polon. Acta 21:475-488. Ref. 1952. 451 So16
English summary.

20308 KERN, J. H. An additional note on Viburnum clemensae Kern. Reinwardtia 2:131-132. Aug.1952. 450 R272

20309 KERN, J. H. Notes on Malaysian Cyperaceae. Reinwardtia 2:87-130. Aug.1952. 450 R272
Includes new species in Cyperus.

20310 KNAPP, A. Beitrag zur artverschiedenheit von Melanogaster microsporus und Melanogaster mollis. Rev. Sudamer. de Bot. 10:40-42. Oct.1952. 450 R3242

20311 KOSTERMANS, A. J. G. H. A historical survey of Lauraceae. II. J. Sci. Res. 1:113-127. May 1952. 475 J822

20312 LAING, E. V. Botanical studies of the variation in certain conifer species. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:135. 1952. 99.9 G795Re

20313 LEANDRI, J. Les euphorbes épineuses et coralliformes de Madagascar. Cactus [Paris] 33:95-100. (Cont.) Sept.15,1952. 450 C114

20314 LI, H. L. The genus Elaeagnus in Formosa. Lloydia 15:156-160. Sept.1952. 442.8 L77
Includes two new species.

20315 LI, H. L. A reclassification of Libocedrus and Cupressaceae. Arnold Arboretum J. 34:17-36. Ref. Jan.1953. 451 Ar6J
Includes Papuacedrus n. gen.

20316 LINDSEY, A. A. Additional spermatophytes, mosses, and lichens of the Grants (N. M.) lava bed. (Abs.) Ind. Acad. Sci. Proc. 61:68-69. 1951,pub.1952. 500 In2

20317 LITTLE, E. L., JR. Notes on Fraxinus (ash) in the United States. Wash. Acad. Sci. J. 42:369-380. Dec.1952. 500 W276J

20318 LONG, R. A taxonomic and cytogenetic study of four perennial sunflowers. (Abs.) Ind. Acad. Sci. Proc. 61:69. 1951,pub1952. 500 In2

20319 LÜCKHOFF, C. A. The Stepelieae of southern Africa. Cape Town,Balkema,1952. 283 p. 452.3 L963

20320 MACHULE, M. Silene cucubalus Wibel. var. latifolia (Rchb.) Murr. Bayer. Bot. Gesell. Ber. 29: 101. 1952. 451 B34B

20321 MAGUIRE, B., and PHELPS, K. D. DE. Botanica de las expediciones Phelps en la Guayana Venezolana. I. Territorio Amazonas. Soc. Venezol. de Cien. Nat. B. 14(78):7-19. 1952. 516 C172
Includes Paepalanthus, Syngonanthus, Sauvagesia, Clusia, Styrax, and Calea.

20322 MARKGRAF-DANNENBERG, I. Beachtenswerte neufunde von Festuca-arten in Bayern. Bayer. Bot. Gesell. Ber. 29:101. 1952. 451 B34B

20323 MATSUMURA, Y. Aquatic plants of Colorado and their comparison with the aquatic flora of Japan. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:70-71. Oct.1952. 500 C717

20324 MELZER, H. Floristisches aus dem Neusiedlersee-gebiet. Phyton [Horn] 4:105-108. Ref. July 10, 1952. 450 P565

20325 MERXMÜLLER, H. Veronica lutea und Asplenium seelosii in den Salzburger Kalkalpen. Bayer. Bot. Gesell. Ber. 29:42-47. Ref. 1952. 451 B34B

20326 MILLER, C. W., and GUARD, A. T. The vascular flora of the Ross Biological Reserve. (Abs.) Ind. Acad. Sci. Proc. 61:69. 1951,pub.1952. 500 In2

20327 MOLDENKE, H. N. Additional notes on the Eriocaulaceae. VIII. Phytologia 4:134-152. Dec.1952. 450 P563

20328 MOLDENKE, H. N. A collection of plants from the Macarena Mountains, Colombia. Eriocaulaceae, Menispermaceae and Verbenaceae. Mutisia 6,4 p. Aug.8,1952. 457.5 M98
Includes a new species in Paepalanthus.

20329 MOLDENKE, H. N. The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae, and Eriocaulaceae. Supplement 9. Phytologia 4:119-124. Dec.1952. 450 P563

20330 MOLDENKE, H. N. Notes on new and noteworthy plants. XIV. Phytologia 4:125-130. Dec.1952. 450 P563

20331 MONACHINO, J. V. The South American species of Manilkara. Phytologia 4:94-118. Ref. Dec. 1952. 450 P563
Includes new species.

20332 MORTON, J. F., and LEDIN, R. B. 400 plants of South Florida. Coral Gables,Fla.,Text House,1952. 134 p. (Florida Nature Series Publication) 455.53 M84

20333 NELMES, E., and BALDWIN, J. T. Cyperaceae in Liberia. (Abs.) Va. J. Sci. (n.s.)3:294. Sept.1952. 470 V81

20334 OHWI, J., and KOYAMA, T. Icones caricum. I. Tokyo. Natl. Sci. Mus. Misc. Rpt. 5,20 p. June 1952. 513 T579M

20335 OHWI, J. Myosotis scorpioides naturalized to Honshu. (In Japanese.) J. Jap. Bot. 27:270. Sept.1952. 450 J8223

20336 OHWI, J. On the validity of Buddleja veneifera Makino. (In Japanese.) J. Jap. Bot. 27:260. Aug.1952. 450 J8223

20337 PACLT, J. Über die identität von Parietaria ramiflora Mönch mit Parietaria erecta Mertens et Koch (=P. officinalis L.). Phyton [Horn] 4:46-50. Ref. July 10,1952. 450 P565

20338 PARDY, A. A. Notes on indigenous trees and shrubs of southern Rhodesia. Rhodesia Agr. J. 49:254-259. Sept./Oct.1952. 24 R34

20339 PARIS. MUSEUM NATIONAL D'HISTOIRE NATURELLE. Le groupe spécifique du Centaurea paniculata L. sensu latissimo, par J. Arênes. Paris, 1951. p.176-266. (Its Mémoires. n. s. ser. B, Botanique, t. 1, fasc. 2) 452.35 P21

20340 POELT, J. Zwei pflanzen nordischer herkunft neu für Bayern. Bayer. Bot. Gesell. Ber. 29:69-72. 1952. 451 B34B
Carex rupestris and Vaccinium oxycoccus.

20341 RAYMOND, M. The identity of Carex misandroides Fern. with notes on the North American Frigidae. Canad. Field-Nat. 66:95-103. Ref. July/Aug.1952. 410.9 Ot8
Includes new species of Carex.

20342 RAYMOND, M. Quelques entités nouvelles de la flore du Québec. II. Soc. Bot. de France. B. 99:194-197. 1952. 451 F84B
. Carex.

20343 RECHINGER, K. H. Borraginaceae novae orientales. Nathist. Mus. in Wien. Ann. 58:44-61. 1951. 410.9 V672
In Heliotropium, Trichodesma, Lindelofia, Mattiastrum, Eritrichium, Anchusa, Alkanna, Mertensia, Moltkia, Macrotomia and Arnebia.

20344 ROBERTY, G. Brève note sur les Desmodium ouest-africains. Soc. Bot. de France. B. 99:168-172. 1952. 451 F84B

20345 ROBERTY, G. Forme ouest-africaine du Dioscorea spicata Roth. Soc. Bot. de France. B. 99: 203. 1952. 451 F84B

20346 ROSE, H. Les Kalanchoe. Cactus [Paris] 33:71-73. Sept.15,1952. 450 C114

20347 SATAKE, Y. Miscellany on Eriocaulon. 1. (In Japanese.) J. Jap. Bot. 27:264-268. Sept.1952. 450 J8223
Includes Latin and English diagnoses of species.

20348 SAVILE, D. B. O., and CALDER, J. A. Notes on the flora of Chesterfield Inlet, Keewatin District, N. W. T. Canad. Field-Nat. 66:103-107. July/Aug.1952. 410.9 Ot8

20349 SCHRIEVER, E. M. The Loasaceae of Oklahoma. Okla. Acad. Sci. Proc. 32:36-38. Aug.1952. 500 Ok42

20350 SEGERSTAD, F. H. AV . Den värmländska kårlväxtflorans geografi [Géographie botanique de la flore vasculaire du Värmland]. Göteborgs K. Vetensk.- och Vitterhets-Samhälle. Handl. 7,707 p. Ref. 1952. 502 G71H
French summary.

20351 SHARP, A. J. Tovara in Mexico. Rhodora 54: 305-306. Dec.1952. 450 R34

20352 SIRJAEV, G., and RECHINGER, K. H. Astragali et Onobrychides novi orientales. Nathist. Mus. in Wien. Ann. 58:62-76. 1951. 410.9 V672

20353 SLOOTEN, D. F. VAN. Sertulum dipterocarpacearum malayensium. V. Reinwardtia 2:1-68. Aug. 1952. 450 R272
Includes new species in Hopea and Shorea.

20354 SMITH, A. C. Studies of Pacific Island plants. XIV. Notes on the Fijian species of Cyrtandra. Arnold Arboretum J. 34:37-51. Jan.1953. 451 Ar6J
Includes new species.

20355 STRAUSBAUGH, P. D., and CORE, E. L. Some new or otherwise noteworthy plants from West Virginia. Castanea 17:165. Dec.1952. 450 So82
Stellaria tennesseensis, Silene virginica var. robusta and Anemonella thalictroides f. rosea.

20356 SUESSENGUTH, K., and MERXMULLER, H. Danthonia calycina (Vill.) Rchb. in Bayern. Bayer. Bot. Gesell. Ber. 29:82-86. 1952. 451 B34B

20357 THOMAS, B. R. Chemical differentiation of the genera Podocarpus and Dacrydium. Nature [London] 170:1018-1019. Dec.13,1952. 472 N21

20358 TISCHER. A. The systematics of Conophytum N. E. Br. Cactus & Succulent J. Gt. Brit. 14:80-81. (Cont.) Oct.1952. 450 C113

20359 TOYOKUNI, H., and IGARASHI, T. Phyllodoce tsugifolia var. oblongo-ovata form. viridiflora Toyokuni. (In Japanese.) J. Jap. Bot. 27:263. Sept.1952. 450 J8223

20360 TRELEASE, W., and HERTER, W. G. Piperaceae uruguayenses curae posteriores. Rev. Sudamer. de Bot. 10:43-47. Oct.1952. 450 R3242

20361 TURNER, D. M. The identification of the grasses. Inst. Corn & Agr. Merchants. J. 3:139-147. (Concl.) Autumn 1952. 10 In7

20362 TUYAMA, T. Supposed origin of a common Japanese name of Melampyrum. (In Japanese.) J. Jap. Bot. 27:260. Aug.1952. 450 J8223

20363 UENO, Y. Betula ermani chamisso var. communis koidzumi appears at 200 metres above the sea-level. (In Japanese.) J. Jap. Bot. 27:284. Sept.1952. 450 J8223

20364 URIBE, L. Contribuciones a la flora colombiana. Mutisia 11,6 p. Oct.18,1952. 457.5 M98
New species in Drymonia and Calliandra.

20365 VINDT, J. Le genre Polygonum L. sect. avicularia Meisn., au Maroc. Soc. des Sci. Nat. du Maroc. B. 31:27-36. First Semes.1951,pub.1952. 515 So1

20366 WARNER, M. F. Correction notes on Anapodophyllon—the wild duck's foot leaf. Natl. Hort. Mag. 31:270. Oct.1952. 80 N216

20367 WEBER, W. A. Phippsia algida in the United States. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:62. Oct.1952. 500 C717

20368 WIEDMANN, W. Uber einige Orchideenneufunde in Bayern. Bayer. Bot. Gesell. Ber. 29:87-88. 1952. 451 B34B

20369 WILLIAMS, L. O. A revision of Dendrochilum, section Acoridium. Philippine J. Sci. 80:281-334. Sept. 1951,pub.1952. 475 P53

20370 WIT, H. C. D. DE. A revision of the genus Archidendron F. Muell. (Mimosaceae). Reinwardtia 2: 69-96. Aug.1952. 450 R272
Includes new species.

20371 ZIEGLER, H. Beitrag zur kenntnis der in Deutschland eingewanderten nordamerikanischen Erigeron-arten. Bayer. Bot. Gesell. Ber. 29:88-91. Ref. 1952. 451 B34B

Pteridophytes

20372 ALSTON, A. H. G. Pteridophyta of the Macarena Mountains, Colombia. Mutisia 7,11 p. Aug.11,1952. 457.5 M98
Includes new species in Dryopteris and Syngrammatopsis n.g.

20373 ASANO, S. Ophioglossum thermale Komarov on Mt. Nokogiri, Prov. Awa of Honshu. (In Japanese.) J. Jap. Bot. 27:246. Aug.1952. 450 J8223

20374 COPELAND, E. B. Grammitis. Philippine J. Sci. 80:93-271. June 1951,pub.1952. 475 P53

20375 DITMER, W. P. Fiddleheads. Pa. Angler 21 (12):8-9,25-26. Dec.1952. 410 P382
Osmonda cinnamomea.

20376 DITTMER, H. J., CASTETTER, E. F., and CLARK, O. Ferns of New Mexico. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:62-63. Oct.1952. 500 C717

20377 NISHIDA, M. A new system of Ophioglossales. J. Jap. Bot. 27:271-278. Ref. Sept.1952. 450 J8223
Studies on the systematic position and constitution of Pteridophyta—3.

20378 PAUL, H. Ein neuer fundort von Woodsia glabella R. Br. und die auffindung von Mnium hymenophylloides Hüben. im Allgäu. Bayer. Bot. Gesell. Ber. 29: 55-57. 1952. 451 B34B

20379 ST. JOHN, E. P. The evolution of the Ophioglossaceae of the eastern United States. III. Fla. Acad. Sci. Q. J. 15:1-19. Ref. Mar.1952. 500 F66

20380 TRYON, R. M., JR. A sketch of the history of fern classification. Mo. Bot. Gard. Ann. 39:255-262. Nov.1952. 451 M69

Bryophytes

20381 ALLISON, K. W. New records of Northern Hemisphere mosses in New Zealand. Roy. Soc. New Zeal. Trans. 80:233-235. Sept.1952. 514 W46

20382 BANGE, C. Le Ptilium crista castrensis existe-t-il dans la région parisienne? Soc. Bot. de France B. 99:204-205. Ref. 1952. 451 F84B

20383 BARTRAM, E. B. North Queensland mosses collected by L. J. Brass. Farlowia 4:235-247. Ref. Oct.1952. 450 F22
Includes new species: Fissidens terrae-reginae, F. subkurandae, Campylopus brassii, Dicranoloma spiniforme, Leucoloma circinatulum, Ectropothecium riparioides and Eriopus brassii.

20384 CASTELLI, L. Quelques Muscinées récoltées en Savoie dans l'étage alpin et dans l'étage nival. Soc. Bot. de France. B. 99:197-200. 1952. 451 F84B

20385 CRUNDWELL, A. C. Some bryophytes from the Dingle Peninsula. Irish Nat. J. 10:309-311. Oct. 1952. 410 Ir42

20386 HATTORI, S. Notes on little known Japanese species of Hepaticae. 1. (In Japanese.) J. Jap. Bot. 27: 243-246. Aug.1952. 450 J8223

20387 KOPPE, F. Uber die moosflora von Altötting und Mühldorf in Oberbayern. Bayer. Bot. Gesell. Ber. 29:15-37. Ref. 1952. 451 B34B

20388 LANDWEHR, J. Bryological spring excursions in the region of Bergeijk (N. Br.) (In Dutch.) Buxbaumia 6:31-37. Oct.1952. 450 B98
English summary.

20389 MCCLEARY, J. A. Additions to the known bryophyte flora of Arizona. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:75. Oct.1952. 500 C717

20390 MCCLEARY, J. A. Altitudinal ranges of Arizona mosses. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:76. Oct.1952. 500 C717

20391 MARTIN, W. Distribution of mosses indigenous to New Zealand. Supplement No. 2. Roy. Soc. New Zeal. Trans. 80:197-205. Ref. Sept.1952. 514 W46

20392 MEIJER, W. The study of tropical hepatics on the spot. (In Dutch.) Buxbaumia 6:25-30. Oct.1952. 450 B98
English summary.

20393 MOUL, E. T. Taxonomic and distributional studies of mosses of central and eastern Pennsylvania. Farlowia 4:139-233. Ref. Oct.1952. 450 F22

20394 NANNENGA-BREMEKAMP, N. E. Moss from the old willows in the Rhine fenlands near Wijk-bij-Duurstede. (In Dutch.) Buxbaumia 6:41-42. Oct.1952. 450 B98
English summary.

20395 NOGUCHI, A. Notes on Japanese musci. 13. J. Jap. Bot. 27:285-289. Sept.1952. 450 J8223
Includes new species in Fissidens, Barbula, and Helicodontium.

20396 SAKURAI, K. Reports of some interesting mosses in Japan. 3. J. Jap. Bot. 27:279-284. Sept.1952. 450 J8223
Includes new species in Microphilonotis, Fissidens, Triquetrella, Orthotrichum, Merceyopsis, Hygrohypnum and Dicranum.

20397 SINHA, J. P. Notes on Indian hepatics. Cur. Sci. 21:318-319. Nov.1952. 475 Sci23

20398 WAGNER, K. A. Notes on Indiana liverworts. IV. Ind. Acad. Sci. Proc. 61:103-105. 1951,pub.1952. 500 In2

20399 WELCH, W. H. Studies in Indiana Bryophytes. IX. Ind. Acad. Sci. Proc. 61:106-110. 1951,pub.1952. 500 In2

Algae

20400 BOCK, O. Characiopsis nematoceras, spec. nov. Bayer. Bot. Gesell. Ber. 29:95-96. 1952. 451 B34B

20401 BOURRELLY, P., and GAYRAL, P. Euglèniens marocains rares ou nouveaux. Soc. des Sci. Nat. du Maroc. B. 31:23-25. First Semes.1951,pub.1952. 515 So1
A new species in Trachelomonas.

20402 BRANNON, M. A. Some Myxophyceae in Florida. Fla. Acad. Sci. Q. J. 15:70-78. June 1952. 500 F66

20403 DAILY, F. K. Cladophora balls collected in Steuben County, Indiana. (Abs.) Ind. Acad. Sci. Proc. 61: 67. 1951,pub.1952. 500 In2

20404 DAILY, W. A., and MCCORMICK, J. S. A qualitative study of the phytoplankton of the Lagoon, Shades State Park, Montgomery County, Indiana. (Abs.) Ind. Acad. Sci. Proc. 61:67-68. 1951,pub.1952. 500 In2

20405 DAMBSKA, I. The Characeae of the Poznan area. (In Polish.) Soc. Bot. Polon. Acta 21:335-368. Ref. 1952. 451 So16
English summary.

20406 DANGEARD, P. À propos d'une note de M. Chadefaud intitulée "Les Vauchéries sont des Xanthophycées." Soc. Bot. de France. B. 99:133. 1952. 451 F84B

20407 DANGEARD, P. Sur un genre nouveau d'Ulvacées: Rhizenteron nov. gen. Acad. des Sci. Compt. Rend. 235:1265-1267. Nov.24,1952. 505 P21

20408 DELLOW, V. The genus Codium in New Zealand. I. Systematics. Roy. Soc. New Zeal. Trans. 80:119-141. Ref. Sept.1952. 514 W46

20409 FREESE, L. R. Marine diatoms of the Rockport, Texas, bay area. Tex. J. Sci. 4:331-386. Ref. Sept.30,1952. 470 T31

20410 GAYRAL, P. Une rare Rhodophycée d'eau douce dans le Lac d'Iseli (Haut Atlas Central): "Chrothece rupestris" Hangs. Soc. des Sci. Nat. du Maroc. B. 31:15-18. First Semes.1951,pub.1952. 515 So1

20411 GAYRAL, P. Zygnémales marocaines rares ou nouvelles. Soc. des Sci. Nat. du Maroc. B. 31:19-22. First Semes.1951,pub.1952. 515 So1
Zygnema and Spirogyra.

20412 GROCHOWSKA, I. R. A new station of Prasiola fluviatilis (Sommerf.) Aresch. in the Tatra Mountains. (In Polish.) Soc. Bot. Polon. Acta 21:435-441. 1952. 451 So16
English summary.

20413 KADŁUBOWSKA, J. Z. Desmidiées de la tourbière de Marysin. III. (Łódź). (In Polish.) Soc. Bot. Polon. Acta 21:425-434. Ref. 1952. 451 So16
French summary.

20414 KARLIN, S. A. A sampling of the algal flora of Yosemite. Yosemite Nat. Notes 31:133-135. Sept. 1952. 409.6 Y8

20415 PALMER, E. L. French-water algae. Nat. Mag. 46:25-32. Jan.1953. 409.6 N214

20416 SHOWALTER, W. V. Placosphaera opaca: its morphology and life history. Kans. Acad. Sci. Trans. 55:113-119. Mar.1952. 500 K13T

20417 SREERAMULU, T. On a Porphyra from Waltair coast. Sci. & Cult. 18:285-286. Dec.1952. 475 Sci24

20418 STARMACH, K. The reproduction of the fresh water Rhodophyceae Hildenbrandia rivularis (Liebm.) J. Ag. (In Polish.) Soc. Bot. Polon. Acta 21:447-474. Ref. 1952. 451 So16
English summary.

20419 WYSOCKA, H. Algues de la vistule au rayon de Varsovie. II. Periphyton. (In Polish.) Soc. Bot. Polon. Acta 21:369-400. Ref. 1952. 451 So16
French summary.

Diseases Caused by Fungi

20420 ABBAYES, H. DES. Traité de lichénologie. Paris,Lechevalier,1951. 217 p. (Encyclopédie Biologique 41) 461.5 Ab1

20421 ASAHINA, Y. Lichenologische notizen. 83-84. (In Japanese.) J. Jap. Bot. 27:239-242. Aug.1952. 450 J8223
Includes new species in Oropogon.

20422 ATKINSON, R. G. A new species of Heterosporium from soil. Mycologia 44:813-822. Nov./Dec.1952. 450 M99
H. terrestre.

20423 BALFOUR-BROWNE, F. L. Three moulds from damp walls. Brit. Mycol. Soc. Trans. 35:273-278. Dec.1952. 451 B76
Rhinotrichum domesticum, n. sp., R. lanosum and Sepedonium albo-griseum n. sp.

20424 BISBY, G. R., and ELLIS, M. B. Lophium elatum Grev. Brit. Mycol. Soc. Trans. 35:299-303. Ref. Dec.1952. 451 B76

20425 BISBY, G. R., and DENNIS, R. W. G. Notes on British Hysteriales. Brit. Mycol. Soc. Trans. 35:304-307. Ref. Dec.1952. 451 B76

20426 BISBY, G R., and HUGHES, S J. Summary of the British Hysteriales. Brit. Mycol. Soc. Trans. 35:308-314. Ref. Dec.1952. 451 B76

20427 BOSE, S. R. Identity of Polystictus (=Polyporus=Trametes) cinnabarinus (Jacq.) Fr. with Polystictus sanguineus (L.) Fr. Nature [London] 170:1020. Dec. 13,1952. 472 N21

20428 BOULY DE LESDAIN, M. Notes lichénologiques. XXXVII. Soc. Bot. de France. B. 99:145-147. 1952. 451 F84B
Includes new species in Caloplaca, Lecanora, Lecania, Rinodina, Blastenia, Catillaria, Lecanactis, Diploschistes and Dermatocarpon.

20429 BRODIE, H. J. Sexuality and taxonomic studies in the bird's nest fungi of the genus Nidula. (Abs.) Ind. Acad. Sci. Proc. 61:66-67. 1951,pub.1952. 500 In2

20430 COOK, M. T. Species of Synchytrium in Louisiana. VII. A new species of Urtica chamaedryoides. Mycologia 44:827-828. Nov./Dec.1952. 450 M99

20431 COOKE, W. B., and SHAW, C. G. Western fungi. III. Mycologia 44:795-812. Nov./Dec.1952. 450 M99
Includes new species in Phyllosticta, Phoma, Macrophoma, Sphaeropsis, Cytospora, Ascochyta, Diplodina, Septoria, Ovularia, Ramularia, Didymaria, Gloeosporium, Cylindrosporium, Helminthosporium Trimmatostroma, and Kmetia.

20432 CORNER, E. J. H. Addenda Clavariacea. II. Pterula and Pterulicium. Ann. Bot. (n.s.)16:531-569. Oct.1952. 450 An7

20433 CORNER, E. J. H. Generic names in Clavariaceae. Brit. Mycol. Soc. Trans. 35:285-298. Ref. Dec.1952. 451 B76

20434 COTTINGHAM, J. O. Higher fungi of Marion County, Indiana. Ind. Acad. Sci. Proc. 61:77. 1951,pub. 1952. 500 In2

20435 COTTINGHAM, J. O. Mycophagy. Ind. Acad. Sci. Proc. 61:78-80. 1951,pub.1952. 500 In2
Edible and poisonous fungi.

20436 DENNIS, R. W. G. The genus Trogia Fr. in India. Indian Phytopath. 4:119-122. Ref. 1951. 464.8 In2

20437 EVANS, A. W. Cladonia ecmocyna in North America. Rhodora 54:261-271. Ref. Nov.1952. 450 R34

20438 FLENTJE, N. T. Corticium praticola Kotila; an interesting basidiomycete occurring in England. Nature [London] 170:892. Nov.22,1952. 472 N21

20439 GOKHALE, V. P., and PATEL, M. K. Kulkarniella, a new genus of rusts. Indian 4:170-173. 1951. 464.8 In2

20440 GOLDIE-SMITH, E. K. The sporangial phase of Pythium undulatum Petersen. Elisha Mitchell Sci. Soc. J. 68:273-292. Ref. Dec.1952. 500 EL4

20441 GOPALKRISHNAN, K. S., and JUMP, J. A. The activity of thiolutin against certain fungi and seed-borne diseases. Ind. Acad. Sci. Proc. 61:97-102. 1951, pub.1952. 500 In2

20442 GREENE, H. C. Notes on Wisconsin parasitic fungi. XVI. Amer. Midland Nat. 48:741-757. Nov.1952. 410 M58
Includes new species in Venturia, Gloeosporium and Cladosporium.

20443 GREINER, G. Die maisteinpilze der Langfurther gegend. Z. f. Pilzk. 12:14-16. Oct.1952. 450 Z352
Boletus.

20444 GUILLAUMOT, M. Flore des lichens de France et de Grande-Bretagne. Paris,Lechevalier,1951. 604 p. (Encyclopédie Biologique 42) 461.5 G94

20445 HAWKER, L. E. Hypogeous fungi. II-III. Brit. Mycol. Soc. Trans. 35:279-284. Ref. Dec.1952. 451 B76
Hydnangium carneum var. xanthosporum. n. var., Gautieria morchellaeformis, Hymenogaster hessei, and Elaphomyces aculeatus.

20446 HOLTON, C. S. Tilletia elymi, an apparently homothallic species. Phytopathology 42:635-636. Nov. 1952. 464.8 P56

20447 HUGHES, S. J. Speira stipitata. Brit. Mycol. Soc. Trans. 35:243-247. Dec.1952. 451 B76
Ceratosporella stipata n comb.

20448 HUSSAIN, S. M. A new species of Fomes [F. ajazi] from Pakistan. Mycologia 44:823-826. Nov./Dec. 1952. 450 M99

20449 INGOLD, C. T., and CHAPMAN, B. Aquatic Ascomycetes: Loramyces juncicola Weston and L. macrospora n. sp. Brit. Mycol. Soc. Trans. 35:268-272. Dec.1952. 451 B76

20450 KARLING, J. S. A predaceous fungus, Sommerstorffia spinosa. (Abs.) Ind. Acad. Sci. Proc. 61:68. 1951,pub.1952. 500 In2

20451 KILLERMANN, S. Studien zur Clavariagruppe I. Z. f. Pilzk. 12:4-9. Oct.1952. 450 Z352

20452 LOISEAU, J. Chercheur de champignons; méthode pratique pour la recherche des champignons sur le terrain. Ed. 3, rev. and enl. Paris,Vigot,1951. 211 p. 462.5 L83

20453 LOUIS-MARIE, PÈRE. Les "morilles d'Oka" sur la comestibilité du Gyromitra esculenta (Pers.) Fr. Rev. d'Oka 26:161-164. Sept./Oct.1952. 7 Ok1

20454 MAŃKA, K., and STUBE, T. The birch-fungus Poria obliqua (Pers.) Bres. and its development on artificial media. (In Polish.) Soc. Bot. Polon. Acta 21:517-536. Ref. 1952. 451 So16
English summary.

20455 MATHIESON, M. J. Ascospore dimorphism and mating type in Chromocrea spinulosa (Fuckel) Petch n. comb. Ann. Bot. (n.s.)16:449-466. Ref. Oct.1952. 450 An7

20456 PATEL, M. K., DHANDE, G. W., and KULKARNI, Y. S. Studies in some species of Xanthomonas. Indian Phytopath. 4:123-140. Ref. 1951. 464.8 In2

20457 PAYAK, M. M. Mycological musings. Poona Agr. Col. Mag. 43:25-29. June 1952. 22 P79

20458 PAYAK, M. M. Occurrence of flexuous hyphae and pycniospore fusions in Scopella gentilis. Cur. Sci. 21:170-171. June 1952. 475 Sci23

20459 PEACE, T. R. Tree diseases in Great Britain, 1950-51. A general review. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:94-98. 1952. 99.9 G795Re

20460 PEARSON, A. A. A key to the genera of the Agarics & Boleti. Birmingham,Eng.,1951. 32 p. 462.06 P31

20461 PILÁT, A. Klíč kurcování našich hub hřibovitých a bedlovitých. Agaricales, agaricalium europaeorum clavis dichotomica. Praha,Brázda,1951. 719 p. 462.06 P64

20462 PLOEG, A. VAN DER. Kinderen der duisternis; inleiding tot de kennis van het leven der zwammen door zwammen veroorzaakte ziekten [Children of darkness; introduction to a knowledge of life of fungi and diseases caused by fungi]. Zutphen,Thieme,1951. 237 p. 462 P723

20463 POELT, J. Die Lecanora subfusca-gruppe in Süddeutschland. Bayer. Bot. Gesell. Ber. 29:58-69. 1952. 451 B34B

20464 RIZZINI, C. T. Use of lichenes, principally in medicine. (In Portuguese.) Brasil-Med. 66:589-596. Ref. Sept.20/27,1952. 448.8 B73
English summary.

20465 ROQUES, H. Précis de cryptogamie. Paris, Maloine,1952. 509 p. (Bibliothèque de Pharmacie) 461 R68

20466 RUDOLPH, E. D. Mushrooms in and out of the herbarium. Mo. Bot. Gard. B. 40:167-169. Dec.1952. 451 M69B

20467 SAFEEULLA, K. M., and GOVINDU, H. C. Notes on two Synchytrium species. Cur. Sci. 21:319-320. Nov.1952. 475 Sci23

20468 SAFEEULLA, K. M. Species of the genus Albugo in India. Sci. & Cult. 18:282-283. Dec.1952. 475 Sci24

20469 SEIFERT, W. Steinpilz (Boletus edulis)—mehlpilz (Clitopilus primulus). Z. f. Pilzk. 12:16. Oct. 1952. 450 Z352

20470 SHAFFER, R. L., and ROGERSON, C. T. Notes on the fleshy fungi of Kansas. Kans. Acad. Sci. Trans. 55:282-286. Sept.1952. 500 K13T

20471 SKIRGIEŁŁO, A. A new station of Pisolithus arenarius Alb. et Schw. in the neighbourhood of Warsaw. (In Polish.) Soc. Bot. Polon. Acta 21:443-446. Ref. 1952. 451 So16
English summary.

20472 SMITH, G. Aspergillus brevipes n. sp. Brit. Mycol. Soc. Trans. 35:241-242. Dec.1952. 451 B76

20473 SMITH, N. R., GORDON, R. E., and CLARK, F. E. Aerobic sporeforming bacteria. U. S. D. A. Agr. Monog. 16,148 p. Ref. Nov.1952. 1 Ag84Am

20474 SPARROW, F. K. Phycomycetes from the Douglas Lake Region of northern Michigan. Mycologia 44:759-772. Nov./Dec.1952. 450 M99

20475 THEIS, T. An undescribed species of ergot [Claviceps maximensis] on Panicum maximum Jacq. var. common guinea. Mycologia 44:789-794. Ref. Nov./Dec. 1952. 450 M99

20476 THIRUMALACHAR, M. J., and NARASIMHAN, M. J. A new Sclerospora on Dichanthium annulatum. Phytopathology 42:596-598. Nov.1952. 464.8 P56
S. dichanthicola.

20477 TORO, R. A. A study of the Tropical American black-mildews. P. R. U. J. Agr. 36:24-87. Ref. Jan.1952. 8 P832J

20478 TULLIS, E. C., and JOHNSON, A. G. Synonymy of Tilletia horrida and Neovossia barclayana. Mycologia 44:773-788. Ref. Nov./Dec.1952. 450 M99
Tilletia horrida declared a synonym of Neovossia barclayana.

20479 VRIES, G. A. DE. Contribution to the knowledge of the genus Cladosporium Link ex Fr. Baarn, Hollandia,1952. 121 p. 462.82 V96
Proefschrift - Utrecht.
English summary.

PATHOLOGY

General

20480 ALVAREZ, L. A. Protección de la salud de las plantas. Rev. de Agr. P. R. 43:76-91. Jan./June 1952. 8 R325
Disease and pest control.

20481 BARGIONI, G. Consequences of the flooding of the Rhine on fruit trees. (In Italian.) Agr. Ferrarese 56:6-11. Jan.31,1952. 16 Ag87

20482 BERAN, F. Ist die winterspritzung im obstbau noch zeitgemäss. Pflanzenarzt 5(11):1-3. Nov.1,1952. 464.9 P482

20483 BERAN, F. Pflanzenschutz in den USA. 2. Pflanzenarzt 5(11):4-5. Nov.1,1952. 464.9 P482

20484 BERNON, G. Role des avertissements dans la lutte contre les maladies de la vigne. Prog. Agr. et Vitic. Jan.4/11,1953:8-16. 14 P94

20485 BESEMER, A. F. H. Factors affecting the action of crop protecting products, not yet duly taken notice of in practice. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:777-782. Aug./Sept.1952. 86 N384
English summary.

20486 BLANCK, A. Principaux caractères climatiques de la saison 1951—1952. Réveil Agr. 61:354-356. Dec.1,1952. 14 R322
Effects on plant diseases and pests in France.

20487 BLOCH, R. Wound healing in higher plants. II. Bot. Rev. 18:655-679. Ref. Dec.1952. 450 B6527

20488 BRENY, R. La défense des cultures. XI. Les fumigants des serres; les aérosols. B. Hort. (n.s.) 7:315-318. Nov.1,1952. 80 B873

20489 CELEDON SILVA, F. La fiscalización de productos destinados a la terapeutica vegetal. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.261-262. Temuco,1952. 27 C7655

20490 CERCOS, A. P. Microorganismos antibióticos activos sobre fitopatógenos aislados en la Argentina. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(54):10-15. Ref. June 1952. 9 Id3

20491 CHARRIN, V. Précisions sur les soufres noirs. Prog. Agr. et Vitic 138:289-291. Nov.16/23,1952. 14 P94

20492 CHELLA, G. Sprays and sticking qualities. (In Italian.) Italy. Ispettorato Prov. dell'Agr. de Napoli. C. 6:13-14. 1952. 16 It18

20493 CHEVAUGEON, J. Pathologie de l'arachide. Adiopodoume,French West Africa,Laboratoire de Pathologie Vegetale,Institut Intercolonial,1951. 32 p. 464.09 C42

20494 CHINO, T., and others. Effects of boron on the "Ebi" disease of grape vines. I. (In Japanese.) Hort. Assoc. Japan. J. 21:87-92. Ref. Sept.1952. 87 H78
T. Ono, K. Suzuki, and J. Sugimura, joint authors.
English summary.

20495 CHOUARD, P. La phytopharmacie et son 3e Congrès International. Agr. Prat. 116:502-503. Oct. 1952. 14 J82
Disease and insect control.

20496 COUTANCEAU, M. La protection antiparasitaire des arbres fruitiers. Jard. d'Aujourd'hui 3:90-92. Autumn 1952. 80 J286

20497 CROSSE, J. E., and PITCHER, R. S. Studies in the relationship of eelworms and bacteria to certain plant diseases. I. The etiology of strawberry cauliflower disease. Ann. Appl. Biol. 39:475-486. Ref. Dec.1952. 442.8 An72

20498 DIONNE, G. Comment détruire la taupe. Rustica 25:1131. Nov.10,1952. 14 R92

20499 ERNST, D. Contribution à la lutte contre les maladies des oeillets. Réveil Agr. 61:327. (Cont.) Nov.1,1952. 14 R322

20500 FEDERACIÓN CAFETALERA CENTRO AMERICA, MÉXICO Y EL CARIBE. Estudio de enfermedades del café en Africa y Oriente bajo auspicios del Punto Cuarto. San Salvador,1952. 6 p. 464.09 F31

20501 FICHTER, E. Control of jack rabbits and prairie dogs on range land. J. Range Mangt. 6:16-24. Ref. Jan.1953. 60.18 J82

20502 FLEROV, S. K. Forest pathologist—doctor of the forest. (In Russian.) Lesn. Khoz. 5(9):69-70. Sept. 1952. 99.8 L5622

20503 FORD, A. Root and crown rots of African violets. African Violet Mag. 6(2):20,55. Dec.1952. 80 Af8

20504 FORS DIAZ, A. L. Observaciones sobre los efectos del ciclón del 24 de octubre de 1952. Asoc. de Téc. Azucareros de Cuba, B. Ofic. 11:441-448. Nov.1952. 65.9 As5B

20505 FREE, M. Major surgery, minor miracle. Home Gard. 21:65-66. Jan.1953. 80 H756

20506 FREMOUW, C. A. Lettuce diseases. (In Dutch.) Groenten en Fruit 8:263,265. Oct.16,1952. 80 G89

20507 FREZAL, P. Rapport sur l'activité de la Mission Française de Protection des Végétaux E.C.A. 38-93) aux Etats-Unis. Soc. des Agr. d'Algérie.B. 96(565):179-187. 1952. 24 So1

20508 GLOBA-MIKHAILENKO, D. A. Peculiarities of frost injuries to subtropical plants. (In Russian.) Lesn. Khoz. 5(6):72-75. June 1952. 99.8 L5622

20509 GOULD, E. Apple spraying experiences in West Virginia, with special reference to yield, color and finish. Mountaineer Grower 22(193):1,3,5,7,9,11,15,17, 19. Dec.1952. 80 M86

20510 GROS, R. Les soufres noirs. Prog. Agr. et Vitic. 138:291. Nov.16/23,1952. 14 P94

20511 HEY, A. Wir grüssen die V. Internationale Pflanzenschutzkonferenz in Berlin! Deut. Landwirt. 3: 617-618. Dec.1952. 18 D4822
Disease and pest control.

20512 HOPKINS, H. H. Wind injury to trees at Hays, Kansas. Kans. Acad. Sci. Trans. 55:98-100. Mar. 1952. 500 K13T

20513 HUGHES, C. G. Diseases of cane in New Guinea. Queensland. Bur. Sugar Expt. Sta. Cane Growers Q. B. 16:39-42. Oct.1,1952. 65.9 Q3C

20514 HUGHES, C. G. The pathology glasshouses. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:56-57. Oct.1,1952. 65.9 Q3C

20515 IMPERIAL CHEMICAL INDUSTRIES (INDIA). Plant protection in India. Calcutta,1951. 100 p. 464.4 Im7P

20516 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. DEPT. OF ENTOMOLOGY. Slugs in the home garden. Purdue U. Agr. Ext. Mimeog. E-45,2 p. Aug.1952. 423.9 In22

20517 INTERNATIONAL PLANT PROTECTION CONVENTION. International Convention for the Protection of Plants and Plant products, Rome, 6th December, 1951. London,H. M. Stationery Off.,1952. 15 p. (Gt. Brit. Foreign Office. Miscellaneous 11(1952)) 464.4 In8

20518 JACOB, J. C. S'. Methods of testing for disease resistance available to the practical breeder. (In Dutch.) Euphytica 1:219-230. Oct.1952. 450 Eu6
English summary.

20519 JACOBS, J. S. S'. Objectives and duties of the Plant Disease Resistance Department of the Institute of Phytopathological Research (I.P.O.). (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:758-772. Aug./Sept.1952. 86 N384
English summary.

20520 JONES, F. R. Testing for disease resistance. Internatl. Grassland Conf. Abs. Papers 6(A):20-21. 1952. (Doc.5) 60.19 In86

20521 KELSHEIMER, E. G., WALTER, J. M., and BECKENBACH, J. R. Compatibility of insecticides, fungicides and nutrients for vegetable crops. Fla. Agr. Expt. Sta. C. S-47,6 p. Apr.1952. 100 F66Ci

20522 KERNS, C. M. Repellents. Md. Conserv. 29 (4):25-26,31. Winter 1952. 275.8 M36
To reduce damage by wildlife in gardens and orchards.

20523 KING, N. J. The overall disease position. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:60-62. Oct.1,1952. 65.9 Q3C

20524 KIŠPATIĆ, J., LUŠIN, V., and KLINDIC, O. The treatment of cotton-seeds with formaline and sulphuric-acid. (In Serbo-Croatian.) Zastita Bilja 10:3-8. 1952. 464.8 Z1
English summary.

20525 KOCHMAN, J. Ochrona sadów [Fruit pests]. Ed. 4, rev. Warszawa,Państwowe Wydawnictwo Rolnicze i Leśne,1951. 74 p. 464.4 K812

20526 KONIG, E. Mistelwurzeln im holz. Norddeut. Holzwirt. 6(58):3. Nov.13,1952. 99.82 N75
Viscum album.

20527 KOOPMAN, M. J. F., and KUIZENGA, P. Report on the investigation of damage to flax seeds. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:412-426. Nov.1952. 12 N383M

20528 KORIAKIN, D. A. Growth and [disease] resistance of oak crops in the Tula forest reservations. (In Russian.) Lesn. Khoz. 5(6):44-46. June 1952. 99.8 L5622

20529 KOVACHICH, W. G. Little leaf disease of the oil palm (Elaeis guineensis) in the Belgian Congo. Trop. Agr. [St. Augustine] 29:107-114. Apr./June 1952. 26 T754

20530 KREITLOW, K. W. Induced epiphytotics. Internatl. Grassland Conf. Abs. Papers 6(A):25-26. 1952. (Doc.5) 60.19 In86

20531 LARGE, E. C The interpretation of progress curves for potato blight and other plant diseases. Plant Path. 1:109-117. Dec.1952. 464.8 P692

20532 LAVROV, N. N. Diseases of fruit and berry crops in Tomsk Region and measures for controlling them. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:251-253. 1951. 511 T59

20533 LAVROV, N. N. Diseases of grain crops in Tomsk Region and measures for controlling them. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:125-130. 1951. 511 T59

20534 MARIËN, A. A dead season that lives. (In Flemish.) Tuinbouwberichten 16:167. Nov.15,1952. 80 T817
Control of fungus diseases and pests of vegetables.

20535 MATTOS, R. A. Enfermedades de las plantas cultivadas en el Chaco Austral. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(55):11-15. July 1952. 9 Id3

20536 MURAKISHI, H. H. Orchid diseases and their control. (Sum.) Pua Okika o Hawaii Nei 2:58. Oct.1952. 80 P963

20537 NEWTON, W. Effects of the application of fungicides to wounded plant tissues. Sci. Agr. 32:659-662. Dec.1952. 7 Sci2

20538 NIXON, E. L. The principles of profitable spraying. Guide Post 30(7):24-25. July 1952. 75.8 G94

20539 NOER, O. J. Toll of turf diseases in '52 accents study, plans for '53. Golfdom 26(10):71-72,74, 76. (Cont.) Oct.1952. 60.18 G58

20540 NUSBAUM, C J. Fertilization as a factor in tobacco diseases. N. C. Dept. Agr. B. 128:18. Oct. 1952. 2 N81B

20541 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Wheat kernel damage, by N. V. Whitehair. Stillwater,1952? 6 p.-folder. 275.2 Ok4Wh

20542 PEREGONCHENKO, B. M. Pomegranate leaf-roller and Phomopsis. (In Russian.) Sad i Ogorod 10:75. Oct.1952. 80 Sa13
Grapholitha.

20543 PETRIK, A. Le service phytosanitaire dans la Voivodine. (In Serbo-Croatian.) Zastita Bilja 10:85-94. 1952. 464.8 Z1
French summary.

20544 PHILLIPS, A. M., COLE, J. R., and LARGE, J. R. Insects and diseases of the pecan in Florida. Fla. Agr. Expt. Sta. B. 499,75 p. July 1952. 100 F66S

20545 PINDUR, W. Winterspritzung. Bauer 5(40): 9-10. Nov.15,1952. 19 B32
Austria.

20546 POTTER, C. H. A growers' guide to bedding plants. 5. Pests and diseases, fertilization and feeding, plant bands. Florists' Rev. 111(2873):17-18,100-103. Dec.18,1952. 80 W41

20547 PSCHORN-WALCHER, H. Neuere ansichten über die massenvermehrung der feldmäuse. Pflanzenarzt 5(12):5-6. Dec.1,1952. 464.9 P482

20548 REGO, C. V., GOMES, J. G., and ALVIM, G. B. Doenças e pragas das plantas de horta [Diseases and pests of garden plants]. 6-7. Ed. 2. Rio de Janeiro, 1952. 2 v. (Brazil. Serviço de Informação Agricola. S.I.A. 166) 423 B736

20549 REINMUTH, E. Pflanzenkrankheiten und pflanzenschädlinge; wege zu ihrer bekämpfung. Berlin, Aufbau-Verlag,1952. 99 p. (Wissenschaft und Technik Verständlich Dargestellt 4) 464 R27

20550 RIPPER, W. E. Industry's contribution to agricultural research. XIII. Pest Control Ltd. in Britain. I. World Crops 5:21-25. Jan.1953. 281.8 W892

20551 ROACH, F. A. Pest and disease control in the fruit tree nursery. Nurseryman & Seedsman 115: 1302-1303. Nov.27,1952. 80 N933

20552 ROBERTSON, J. S. "Leaf scald" investigation. Brit. Guiana. Dept. Agr. Sugar B. 20:53-58. 1952. 65.9 B773

20553 SCHENK, P. J. Orchid diseases. (In Flemish.) Cult. en Handel 18:707-708. Dec.1952. 80 C892

20554 SCHMIDT, T. Nelkenkrankheiten und ihre ursachen. Pflanzenarzt 5(11):5-6;(12):6. Nov.1-Dec.1, 1952. 464.9 P482

20555 SCHOENWALD, R. Auftragen der wildverbissmittel auf die pflanzen und verhalten des wildes dazu. Allg. Forstz. 8:9-10. Jan.2,1953. 99.8 AL52
Sprays to prevent injuries by game.

20556 SCOULER, L. Crop depredation by waterfowl. No. Amer. Wildlife Conf. Trans. 17:115-123. 1952. 412.9 N814

20557 SPATZ, L. R. Frostschäden an süsslupinen. Hannoversche Land- u. Forstwirt. Ztg. 105:1166. Nov. 15,1952. 18 H194

20558 SPENCER, S. J. The way to healthier Dahlias. Nurseryman & Seedsman 115:1174-1176. Nov. 13,1952. 80 N933

20559 SPRAGUE, R., and FISCHER, G. W. Check list of the diseases of grasses and cereals in the western United States and Alaska. Wash. Agr. Expt. Sta. C. 194, 188 p. Sept.1952. 100 W27S

20560 STANDEN, J. H. Indice alfabético de los nombres cientificos de huespedes y patogenos en Venezuela. Soc. Venezol. de Cien. Nat. B. 14(78):53-118. Ref. 1952. 516 C172

20561 STANFORD, E. H. Transfer of disease resistance to standard varieties. Internatl. Grassland Conf. Abs. Papers 6(A):39-40. 1952. (Doc.5) 60.19 In86

20562 STANTON, H. R. How we'll fight insect-disease battle in 1953. N. J. Farm & Gard. 23(12):26-29,69. Dec.1952. 6 G162

20563 STEPHEN, R. C. Disease control in seedbeds. Rhodesian Tobacco J. 4(10):53,55-57. Oct.1952. 69.8 R34

20564 STEVENS, N. E., and STEVENS, R. B. Disease in plants. Waltham,Mass.,Chronica Botanica,1952. 219 p. (Manual of the Plant Sciences, v. 1) 463 M315

20565 TAKATORI, F. H., SPARKS, W. C., and WOODBURY, G. W. A study of simulated hail injury on potatoes. Idaho. Agr. Expt. Sta. Res. B. 22,15 p. Ref. Oct. 1952. 100 Id1

20566 TAYLOR, R. E. Vegetable diseases. Worcestershire Agr. Chron. 20:293,295,297,299. Sept./Nov.1952. 10 W892

20567 THIEM, H. Uber die möglichkeit einer vorprüfung von wildverbissschutzmitteln an kaninchen. Nachrbl. des Deut. Pflanzenschutzdienstes 4:145-149. Oct.1952. 442.9 B832
In orchards.

20568 VAHL, E. VON. Sonnenbrand und glasigkeit bei apfeln. Obstbauversring. Mitt. 7:13-14. Jan.1952. 85 J76

20569 VIGLIONI, W. A. Diseases and principal pests of the potato. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(6):44-57. June 1952. 9.2 M663

20570 WALLACE, G. B., and WALLACE, M. M. Tanganyika fungus list: Recent Records No. XV. Tanganyika. Dept. Agr. Mycol. C. 31,6 p. July 1951. 464.9 T15C
Includes bacterial and virus diseases.

20571 WALLACE, M. M., and DIEKMAHNS, E. C. Bole rot of sisal. East African Agr. J. 18:24-29. July 1952. 24 Ea74

20572 WATSON, R. D., and GESSEL, T. Injury to sugar beets by lightning. Plant Dis. Rptr. 36:487-489. Dec.15,1952. 1.9 P69P

20573 WEIMER, J. L. Diseases of cultivated lupine in the Southeast. U. S. D. A. Farmers' B. 2053,18 p. Oct. 1952. 1 Ag84F

20574 WEISS, F., and O'BRIEN, M. J., comp. Index of plant diseases in the United States. IV. Guttiferae—Phytolaccaceae. U. S. Bur. Plant Indus., Soils & Agr. Engin. Plant Dis. Survey. Spec. P. 1(4):529-806. June 15, 1952. 1.965 M2Sp3

20575 WESTCOTT, C. The "Plant Doctor" on garden health. Home Gard. 21:28-30. Jan.1953. 80 H756

20576 WESTERN, J. H. Diseases of economic importance in forage seed production. Internatl. Grassland Conf. Abs. Papers 6(F):38-39. 1952. (Doc.5) 60.19 In86

20577 WHITEHAIR, N. V. Wheat kernel damage. Kans. State Col. Agr. Ext. L. 19,6 p.-folder. June 1952. 275.29 K13Le

20578 WINGRAVE, E. G. Some diseases of lettuce. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:302-307. Nov.1952. 23 T182T

20579 WINNER, C. Isotope als hilfsmittel des pflanzenschutzes in den Vereinigten Staaten von Nordamerika. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:364-369. Ref. Sept./Oct.1952. 464.8 Z3

20580 WINNER, C. Zuckerrübenschädlinge in den Vereinigten Staaten. Zucker 5:414-416. Sept.15,1952. 65.8 Z82

20581 YOUNG, R. A., and DEEP, I. W. Diseases of holly in the Pacific Northwest. Arboretum B. 15(4):18,23. Winter 1952. 451 Ar1

Diseases Caused by Fungi

20582 ALVAREZ GARCÍA, L. A. A new disease of orchids in Puerto Rico: Pythium black rot. P. R. U. J. Agr. 35:126-135. Oct.1951,pub.May 1952. 8 P832J

20583 ANDERSON, C. G., YOUNG, R. A., and PALM, E. T. Curvularia on Gladiolus in Oregon. Plant Dis. Rptr. 36:474. Dec.15,1952. 1.9 P69P

20584 ANDRADE, A. C. Forecasting the appearance of Phytophthora infestans on tomatoes. (In Portuguese.) Soc. Rur. Bras. Rev. 32(381):88. Oct.1952. 9.2 B733

20585 ARSIC, M., and DZODIC, M. Maladies des plantes constatées dans la région de Kopaonik et Aleksandrovac (Serbie) en 1951. (In Serbo-Croatian.) Zaštita Bilja 9:31-34. 1952. 464.8 Z1
French summary.
Fungus.

20586 BAKSHI, B. K. Seedling blight and foot rot of cereals caused by Fusarium avenaceum (Fr.) Sacc. and Fusarium culmorum (W. G. Sm.) Sacc. Indian Phytopath. 4:162-169. 1951. 464.8 In2

20587 BARNES, W. C., and EPPS, W. M. Two types of anthracnose resistance in cucumbers. Plant Dis. Rptr. 36:479-480. Dec.15,1952. 1.9 P69P

20588 BATTS, C C. V., and ELLIOTT, C. S. Indications of effect of yellow rust [Puccinia glumarum] on yield of wheat. Plant Path. 1:130-131. Dec.1952. 464.8 P692

20589 BENADA, J. Alternaria porri as a cause of disease of Lallemantia. (In Czech.) Československ. Akad. Zemědĕl. Sborn. 25:343-346. Oct.1952. 19.5 C332C
English summary.

20590 BHIDE, V. P., PATEL, M. K., and DHANDE, G. W Fusarium wilt of lang (Lathyrus sativus L.): isolation of wilt resistant types. Indian Phytopath. 4: 181-188. 1951. 464.8 In2

20591 BLANCO, G. Temible enfermedad fungosa de la hoja del cafeto. Asoc. Gen. de Agr. B. 326:2. Oct. 30,1952. 8 As52
Hemileia vastatrix.

20592 BLOBAUM, R. Corn crop hit by "purpling" stalk disease. Iowa Agr. 51(4):16-17. Dec.1952. 6 Io9

20593 BLUMER, S., and KUNDERT, J. Die peronospora der rebe und ihre bekämpfung im jahre 1952. Schweiz. Z. f. Obst- u. Weinbau 61:526-527. Dec.13, 1952. 80 Sch9

20594 BLUMER, S., and KUNDERT, J. Die peronospora der rebe und ihre bekämpfung im jahre 1952. Schweiz. Z. f. Obst- u. Weinbau 61:533-536. (Concl.) Dec.27,1952. 80 Sch9

20595 BLUMER, S. Über zwei schimmelpilze auf den blütenstäden von Poinsettia pulcherrima Willd. Phytopath. Z. 19:417-422. Sept.1952. 464.8 P562
English summary.
Botrytis cinerea and Penicillium stoloniferum.

20596 BOYCE, J. S. Loblolly pine [Pinus taeda] needle blight caused by the brown-spot fungus. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 11,1 p. July 1952. 1.9622 S4R312
Scirrhia acicola.

20597 BOYCE, J. S., JR. Oak wilt in the Southeast. South. Lumberman 185(2321):210. Dec.15,1952. 99.81 So82

20598 BRINKMAN, K. A. Oak wilt mortality in an unmanaged Iowa forest. J. Forestry 50:941-942. Dec. 1952. 99.8 F768

20599 BROCKWELL, J. Corticium praticola as a pasture pathogen. Austral. Plant Dis. Recorder 4:42. Oct.1952. 464.8 Au7

20600 BROCKWELL, J. Suspected pink rot of potato tubers. Austral. Plant Dis. Recorder 4:43-44. Oct.1952. 464.8 Au7
Phytophthora.

20601 BROOK, M. Differences in the biological activity of 2 : 3 : 5 : 6-tetrachloronitrobenzene and its isomers. Nature [London] 170:1022. Dec.13,1952. 472 N21
A fungicide.

20602 BYRDE, R. J. W. The effect of age of wound and weather on the susceptibility of apple injuries to infection by the brown rot fungus [Sclerotinia fructigena]. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:128-131. 1952. 84 B77

20603 BYRDE, R. J. W., CROWDY, S. H., and ROACH, F. A. The role of eradicant sprays in the control of apple canker [Nectria galligena]. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:134-137. 1952. 84 B77

20604 BYRDE, R. J. W., and MARSH, R. W. Spraying experiments against apple and pear scab at Long Ashton, 1951. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951: 122-128. 1952. 84 B77

20605 BYRDE, R. J. W., and FIELDING, A. H. Tests of eradicant fungicides against brown rot. I. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:131-133. 1952. 84 B77
Apples and plums.

20606 CAMPBELL, W. A., and MILLER, J. H. Windthrow of root-rotted oak shade trees. Plant Dis. Rptr. 36:490. Dec.15,1952. 1.9 P69P

20607 CARRERA, C. J. M. Pueden resultar muy graves los perjuicios que causa la "enfermedad de los almacigos." Mundo Agr. 4(41):49-51. Oct.1952. 9 M92
Fungus diseases.

20608 CHATTOPADHYAYA, S. B. A short note on the potato spraying operations in the plains of West Bengal in the year 1950-51. Plant Protect. B. 4:7-8. Mar.1952. 421 P69
Against late blight.

20609 CHELLA, G. Control of sooty mold of olives and citrus. (In Italian.) Italy. Ispettorato Prov. dell' Agr. de Napoli. C. 6:5-7. 1952. 16 It18
Antennaria elaeophila and Coccus olea.

20610 CHILE. DEPT. DE SANIDAD VEGETAL. La espiga blanca o mal del pie del trigo. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.256-257. Temuco,1952. 27 C7655
Caused by Ophiobulus graminis.

20611 CHOWDHURY, S. Disease occurrence in India, linseed [Linum usitatissimum] rust in Assam. Plant Protect. B. 3:119. Dec.1951. 421 P69
Melampsora lini.

20612 CORKILL, L. Breeding [Lolium] for disease resistance, with particular reference to blind seed disease. Internatl. Grassland Conf. Abs. Papers 6(A): 12. 1952. (Doc.5) 60.19 In86

20613 CROSIER, W., and PATRICK, S. Mushrooms on seeds of side-oats grama [Bouteloua curtipendula]. Assoc. Off. Seed Anal. News Let. 26(4):7-8. Nov.1952. 61.9 As7N
Coprinus.

20614 CROWDY, S. H., and others. Observations on apple canker [Nectria galligena]. IV-V. Ann. Appl. Biol. 39:569-587. Ref. Dec.1952. 442.8 An72
IV, by S. H. Crowdy; V, by R. J. W. Byrde, S. H. Crowdy and F. A. Roach.

20615 DAINES, R. H. Peach canker disease. N. J. State Hort. Soc. Hort. News 33:2570. Nov.1952. 81 N46
Fungus disease.

20616 DICKENS, L. E., and THOMAS, W. D. Results of spray tests for the control of carnation rust. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:73. Oct.1952. 500 C717

20617 DOEPEL, R. F. Black spot of tomatoes [Alternaria solani]. Austral. Plant Dis. Recorder 4: 44-45. Oct.1952. 464.8 Au7

20618 DORAN, W. L. Clubroot still a cabbage pest. Res. Rev. [Mass. Sta.] 1(2):8-9. July 1952. 100 M38R

20619 DUBINEVICH, B. N. Disinfecting seeds of high-grade barley against smut. (In Russian.) Selek. i Semen. 19(10):73-75. Oct.1952. 61.9 Se5
Heat treatment.

20620 ELSSMANN, H. Der kieferndrehpilz auch in Nordschweden. Allg. Forstz. 7:498-499. Nov.26,1952. 99.8 AL52

20621 ESBO, H., and KOLK, H. Black stem rust damaged wheat as seed. (In Swedish.) Lantmannen 36: 981. Nov.29,1952. 11 L234

20622 FISCHER, G. W., and TYLER, L. J. Is there an earlier record of dwarf bunt [Tilletia brevifaciens] than 1931? Plant Dis. Rptr. 36:445-447. Ref. Dec.15, 1952. 1.9 P69P

20623 FOLSOM, D. Practical control measures for leafroll. Amer. Potato J. 29:229-233. Oct.1952. 75.8 P842

20624 FRASER, L. R. Sclerotinia [S. gladioli] root rot of Gladiolus. Austral. Plant Dis. Recorder 4:48-49. Oct.1952. 464.8 Au7

20625 GARRETT, S. D. Investigations on Fomes annosus in East Anglian pine plantations. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:135-136. 1952. 99.9 G795Re

20626 GATTANI, M. L. Adaptation of fungi to fungicides and its significance in agriculture. Indian Phytopath. 4:174-180. 1951. 464.8 In2

20627 GATTANI, M. L., and KAUL, T. N. Damping off of tomato seedlings—its cause and control. Indian Phytopath. 4:156-161. Ref. 1951. 464.8 In2

20628 GIARDULLO, E. G. Grape downy mildew. (In Italian.) Italy. Ispettorato Prov. dell'Agr. de Napoli. C. 6:9-12. 1952. 16 It18

20629 GOOSSEN, H. Zur feststellung und bedeutung der spritzbrühverteilung im kartoffelbestand. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:339-353. Sept./Oct.1952. 464.8 Z3
English summary.
Mainly control of Phytophthora infestans.

20630 GRASSO, V. Claviceps species of Italian Gramineae. IV-V. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1507-1553. Ref. 1952. 16 An76
English summary.

20631 GREGORY, K. F., and others. Antibiotics and antagonistic microorganisms as control agents against damping-off of alfalfa. Phytopathology 42:613-622. Ref. Nov.1952. 464.8 P56
O. N. Allen, A. J. Riker, and W. H. Peterson, joint authors.

20632 HAASIS, F. A. Soil fumigation with chlorobromopropene for control of Sclerotium rolfsii in Dutch Iris. Plant Dis. Rptr. 36:475-478. Dec.15,1952. 1.9 P69P

20633 HARDER, A. Sind die bienen an der übertragung und verbreitung der fruchtmonilia beteiligt? Schweiz. Z. f. Obst- u. Weinbau 61:541-543. Dec.27,1952. 80 Sch9

20634 HASSEBRAUK, K., and HORN, A. V. Untersuchungen über die bekämpfungsmöglichkeit des spargelrostes (Puccinia asparagi) mit fungiziden. Nachrbl. des Deut. Pflanzenschutzdienstes 4:100-103. July 1952. 442.9 B832

20635 HELTON, A. W. Controlling mildews in fruits. Idaho. Agr. Expt. Sta. C. 123,4 p.-folder. Dec. 1952. 100 Id1

20636 HELTON, A. W. The strawberry root rot problem. Idaho. Agr. Expt. Sta. C. 124,2 p. Dec.1952. 100 Id1

20637 HINGORANI, M. K. Selfing studies with race 7 of Puccinia graminis avenae Erikss and Hann. Indian Phytopath. 4:141-143. 1951. 464.8 In2

20638 HIRATSUKA, N. On the white rust [Leucotelium pruni-persicae] of peach. (In Japanese.) J. Jap. Bot. 27:229-239. Ref. Aug.1952. 450 J8223
English summary.

20639 HIRSCHHORN, E. Presencia de Sorosporium reilianum en los cultivos de maiz y sorgo en la República Argentina. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(55):8-11. July 1952. 9 Id3

20640 HOCHAPFEL, H. Die Cylindrosporium-krankheit an süss- und sauerkirschen, ihre verbreitung und bekämpfung. Nachrbl. des Deut. Pflanzenschutzdienstes 4:97-100. Ref. July 1952. 442.9 B832

20641 HOCHAPFEL, H. Die Cylindrosporium-krankheit an süss- und sauerkirschen in Europa und Nordamerika. Phytopath. Z. 19:389-402. Ref. Sept.1952. 464.8 P562

20642 HODGE, H. C., and others. Acute and short-term oral toxicity tests of ferric dimethyldithiocarbamate (ferbam) and zinc dimethyldithiocarbamate (ziram). Amer. Pharm. Assoc. J. Sci. Ed. 41:662-665. Dec.1952. 396.9 Am33J
E. A. Maynard, W. Downs, H. J. Blanchet, Jr., and C. K. Jones, joint authors.

20643 HOLTZMANN, O. V. Comparative studies of the pathogenicity of three Fusaria. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:75. Oct.1952. 500 C717

20644 HOOKER, W. J., and PETERSON, L. E. Sulfur soil treatment for control of sweet potato soil rot incited by Streptomyces ipomoea. Phytopathology 42:583-591. Ref. Nov.1952. 464.8 P56

20645 HORSFALL, J. G., and RICH, S. The birth of a new spray. Frontiers Plant Sci. 5:2. Nov.1952. 100 F92
Dithane for plant diseases.

20646 HUYSMANS, C. P. Control of blister blight (Exobasidium vexans) on tea in Sumatra. (In Dutch.) Bergcultures 21:419-425,427-429,431-433,435-437,439-441,443-445,447-449,451,453,455,457,459,461,463-464. Ref. Nov.1,1952. 22.5 B45

20647 INTER-AMERICAN ECONOMIC AND SOCIAL COUNCIL. COMISION DEL CAFE. Enfermedad fungosa de la hoja del cafeto (Hemilaeia vastatrix), por G. Blanco Washington, Unión Panamericana, 1952. 8 p. 464.09 In8

20648 ITO, K., and KONTANI, S. The causal fungus of the web-blight [Rhizoctonia] of leguminous woody plants. (In Japanese.) Rin-Go-Shiken-Hokoku 54:45-78. Ref. Oct.1952. 99.8 R47
English summary.

20649 JANSON, B. F. Fusarium root rot and wilt of dill. Ohio. State U. Abs. Doct. Diss. 63:141-144. 1952. 241.8 Oh3

20650 JAUBERT, P. Etude de moyens de lutte contre la cercosporiose de l'arachide au Sénégal. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:177-194. Sept.1952. 26 F84B

20651 JAUBERT, P. Poursuite des études sur l'emploi de poudres fongicides pour le traitement des semences d'arachides. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7: 167-176. Sept.1952. 26 F84B

20652 JUSCAFRESA, B. El "oidium" una de las plagas más peligrosas de nuestra agricultura. Ceres [Valladolid] 17(196):11,13. Oct.1,1952. 15 C33
On grapes.

20653 KAHN, R. P., and others. An investigation of asparagus rust in Illinois: its causal agent and its control. Ill. Agr. Expt. Sta. B. 559,56 p. Ref. Aug.1952. 100 IL6S
H. W. Anderson, P. R. Hepler, and M. B. Linn, joint authors.
Puccinia asparagi, the causal fungus.

20654 KING, N. J. The end of downy mildew disease? Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:62. Oct.1,1952. 65.9 Q3C

20655 KÖNIG, E. Schwammkiefer. Norddeut. Holzwirt. 6(61/62):4. Nov.22,1952. 99.82 N75

20656 KRSTIC, M. Endothia parasitica Anders. sur le chêne. (In Serbo-Croatian.) Zastita Bilja 10:83-84. 1952. 464.8 Z1
French summary.

20657 KUNTZ, J. E. Developments in oak wilt research. Arborist's News 17:101-105. Dec.1952. 99.8 Ar14

20658 KUSHCHAK, L. I. Spraying grapes with compounds of copper oxychloride from an airplane. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):43-45. July 1952. 95.8 V77
Mildew.

20659 LAMBERTS, H. Resistance to mildew [Erysiphe polygoni] in yellow lupins. Euphytica 1:199-200. Oct.1952. 450 Eu6

20660 LAST, F. T. The use of tetra- and penta-chloronitrobenzenes in the control of Botrytis disease and Rhizoctonia attack of lettuce. Ann. Appl. Biol. 39: 557-558. Dec.1952. 442.8 An72

20661 LEACH, J. G. Red clover failure. W. Va. Agr. Expt. Sta. B. 357(1):8. Sept.1952. 100 W52
Fungus disease, known as blackpatch.

20662 LEK, H. A. A. V. D. Fungus in greenhouses. (In Dutch.) Huis en Hof 4:208-209. Nov.1952. 80 H87

20663 LEMKE, W. Ein für Gaillardia neuer brandpilz. Bayer. Bot. Gesell. Ber. 29:100. 1952. 451 B34B
Entyloma gaillardiae.

20664 LEVINE, M. N., and CHEREWICK, W. J. Studies on dwarf leaf rust of barley. U. S. D. A. Tech. B. 1056,17 p. Ref. Sept.1952. 1 Ag84Te

20665 LOEWEL, E. L., and BAUMEISTER, G. Regenspritzungen in Amerika. Obstbauversring. Mitt. 7: 16-17. Jan.1952. 85 J76
Control of Fusicladium on apples.

20666 LOOS, C. A. Studies in blister blight [Exobasidium vexans] control. XI. Ceylon. Tea Res. Inst. Tea Q. 23:76-80. Sept.1952. 68.18 C33

20667 LOUW, A. J. Spraying experiments against apple scab (Venturia inaequalis (Cke.) Wint.) in the winter-rainfall area of the Cape Province. Union So. Africa. Dept. Agr. Sci. B. 315,32 p. 1952. 24 So84S

20668 LUŠIN, V. Pink rot—Phytophthora erythroseptica (Pethybrigde). (In Serbo-Croatian.) Zaštita Bilja 9:64-69. 1952. 464.8 Z1
English summary.
On potatoes.

20669 LUTTRELL, E. S., and GARREN, K. H. Blights of snap bean in Georgia. Phytopathology 42:607-613. Ref. Nov.1952. 464.8 P56
Macrophomina phaseoli, Rhizoctonia solani, and Sclerotium rolfsii.

20670 MCANELLY, C. W., and THOMAS, W. D. Control of purple blotch of onions by sprays. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:72. Oct.1952. 500 C717

20671 MCKEEN, C. D. Observations on the occurrence and control of grey mould [Botrytis] on greenhouse cucumbers. Sci. Agr. 32:670-676. Ref. Dec.1952. 7 Sci2

20672 MACMILLAN, W. G., BOSE, R. G., and BHATTACHARYYA, J. P. A note on a copper tolerant Penicillium. II. Its cellulolytic activity and effect on copper-proofed hessian. Sci. & Cult. 18:287-288. Dec.1952. 475 Sci24

20673 MALAGUTI, G., and SIROTTI, L. Podredumbre de la corteza de los bucares (Erythrina spp.) y del cacao (Theobroma cacao) en Venezuela. Agron. Trop. [Maracay] 2:41-53. Apr./June 1952. 26 Ag87
English summary.
Caused by Calostilbe stritispora.

20674 MANGENOT, F. Recherches méthodiques sur les champignons de certains bois en décomposition. Rev. Gén. de Bot. 59:477-519,544-555. Ref. Oct.-Nov. 1952. 450 R326

20675 MARSDEN, D. H. Quick action may save elms. Res. Rev. [Mass. Sta.] 1(2):14-15. July 1952. 100 M38R
Pruning diseased parts of trees affected by dieback of elm.

20676 MARUDARAJAN, D. "Koleroga" or "Mahali" disease of Arecanuts. Plant Protect. B. 3:117-118. Dec. 1951. 421 P69

20677 MASSEY, L. M. What is the key to the control of blackspot on roses? Gard. J. 3:10. Jan./Feb.1953. 80 G1635

20678 MASTENBROEK, C. Investigations into the inheritance of the immunity from Phytophthora infestans de B. of Solanum demissum Lindl. Euphytica 1:187-198. Ref. Oct.1952. 450 Eu6

20679 MASTENBROEK, C. Over de differentiatie van Phytophthora infestans (Mont.) de Bary en de vererving van de resistentie van Solanum demissum Lindl. Investigations into the differentiation of Phytophthora infestans (Mont.) de Bary and the inheritance of the immunity of Solanum demissum Lindl. Amsterdam, Kinsbergen,1952. 121 p. Ref. 464.04 M39
Proefschrift - Landbouwhogeschool, Wageningen.
English summary.

20680 MATHUR, R. S. Function of spore matrix in Colletotrichum lindemuthianum. Indian Phytopath. 4: 152-155. Ref. 1951. 464.8 In2

20681 MONTE, G. DAL. Caries and smut of wheat. (In Italian.) Molini d'Italia 3:406-407. Sept.1952. 298.8 M73
English summary.
Tilletia tritici and Ustilago tritici.

20682 MOORE, W. C., and MOORE, F. J. Downy mildew of Antirrhinum in England and Wales. Plant Path. 1:135-136. Dec.1952. 464.8 P692

20683 MORLING, R. J. Save the elms. Countryman [Burford] 46:338-341. Winter 1952. 281.28 C832
Dutch elm disease and beetles as vectors in Great Britain.

20684 MÜLLER, E. Pilzliche erreger der getreideblattdürre. Phytopath. Z. 19:403-416. Ref. Sept.1952. 464.8 P562
English summary.

20685 MURRAY, J. S. Recent research on forest pathology in Holland. Q. J. Forestry 47:41-47. Jan.1953. 99.8 Q2
Chiefly fungus diseases.

20686 NATTRASS, R. M. Preliminary notice of the occurrence in Kenya of a rust (Puccinia polysora) on maize. East African Agr. J. 18:39. July 1952. 24 Ea74

20687 NEUHAUS, K. Methoden zur bestimmung des kupfergehaltes in kupferkalkspritzbelägen auf pflanzen. Nachrbl. des Deut. Pflanzenschutzdienstes 4:124-125. Aug.1952. 442.9 B832

20688 NIKOLAEV, P. I. Influence of minimal temperatures and moisture in the crown of grapes on development of mildew. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):44-46. June 1952. 95.8 V77

20689 NIKOLIĆ, V. Sunflower blight [Plasmopara halstedii]. (In Serbo-Croatian.) Zaštita Bilja 9:42-54. Ref. 1952. 464.8 Z1
English summary.

20690 NORTON, D. C. Testing fungicides on squash, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1495,2 p. Sept.17, 1952. 100 T31P
Powdery mildew on squash.

20691 NUTMAN, F. J., and ROBERTS, F. M. Acute die-back [Cryptosporella eugeniae] of clove trees in the Zanzibar Protectorate. Ann. Appl. Biol. 39:599-608. Dec.1952. 442.8 An72

20692 OWEN, H. Leaf blotch [Rhynchosporium secalis] of cocksfoot [Dactylis glomerata]. Plant Path. 1:122. Dec.1952. 464.8 P692

20693 PANJAN, M., and LUŠIN, V. Natrium-thiosulfat als ersatz für schwefel zur bekämpfung des rebenmehltaues. (In Serbo-Croatian.) Zastita Bilja 10:42-48. 1952. 464.8 Z1
German summary.

20694 PARMENTIER, G. La fusariose ou pourriture sèche de la pomme de terre. Sillon Belge 22(532): 1,6. Nov.1,1952. 13 Si3

20695 PERILÄ, O., and SEPPÄLÄ, E. On the effect of black tinder fungus [Fomes nigricans Fr.] on birch wood and paper making properties of birch sulphite pulp. (In Finnish.) Paperi ja Puu. B 34:359-365. Ref. Oct. 1952. 302.8 P1991
English summary.

20696 PERIŠIĆ, M. M. Contribution à la connaissance des champignons parasites des environs de Valjevo (Serbie). (In Serbo-Croatian.) Zastita Bilja 10:53-55. 1952. 464.8 Z1
French summary.

20697 PIERI, G. On the use of the calendar of incubation of the vine downy mildew in the Province of Treviso. (In Italian.) Ann. della Sper. Agr. (n.s.)6: 1577-1586. 1952. 16 An76
English summary.

20698 PLOTHO, O. VON. Weitere untersuchungen zur zytologie und morphologie der Cercospora beticola. Zucker 5:379-383. Ref. Sept.1,1952. 65.8 Z82

20699 PONTIS VIDELA, R. E., and RODRIGUEZ LANDAETA, A. El "oidio" o "blanco" de la lechoza (Carica papaya L.) en Venezuela, causado por Oidium caricae Noak. Agron. Trop. [Maracay] 2:55-57. Apr./June 1952. 26 Ag87

20700 PRASAD, N., and DESAI, M. V. Fusarium blight of cluster beans. Cur. Sci. 21:17-18. Jan.1952. 475 Sci23

20701 PURSS, G. S., and BOWEN, G. D. A stem rot of cowpeas. Austral. Plant Dis. Recorder 4:43. Oct. 1952. 464.8 Au7
Undetermined fungus.

20702 RAMSEY, G. B., and HEIBERG, B. C. Cladosporium rot of peppers. Plant Dis Rptr. 36:481-482. Dec.15,1952. 1.9 P69P
C. herbarum.

20703 RASMUSSEN, C. R. Mycogene attack of mushrooms. (In Danish.) Gart.-Tid. 68:449-450. Nov. 17,1952. 80 G192

20704 RHOADS, A. S. The destructiveness of Clitocybe root rot to plantings of Casuarinas in Florida. Lloydia 15:161-184. Sept.1952. 442.8 L77
C. tabescens.

20705 ROHDE, G. Kohlhernie [Plasmodiophora brassicae] und bor. Deut. Landwirt. 3:642-646. Ref. Dec.1952. 18 D4822

20706 ROSELLA, E. Des champignons vivant dans le sol ou apportés par les semences peuvent provoquer la fonte des semis: de blé, d'orge, de mais, de riz. Prog. Agr. et Vitic Dec.21/28,1952:372-375. 14 P94

20707 ROTH, E. R. Sprout oak decay. Amer. Forests 59:35,43. Jan.1953. 99.8 F762
Caused by Stereum gausapatum.

20708 ROY, T. C. Investigations on the effect of seed treatment of flax (Linum usitatissimum L.) in Bengal. Indian Phytopath. 4:116-118. 1951. 464.8 In2

20709 RUBBER RESEARCH INSTITUTE OF MALAYA. Stump poisoning and root disease. Rubber Res. Inst. Malaya. C. 36,3 p. 1952. 78.9 R824C
Control of Fomes and Ganoderma on Hevea.

20710 SANCHEZ NAVARRETE, F. El caldo bordeles, su descubrimiento, propiedades quimicas, metodos de preparacion y forma en que actua sobre los hongos. Fitófilo 6(6):14-31. May/June 1952. 421 F55

20711 SARASOLA, A. A., and GARESE, P. Tratamiento de la semilla de remolacha azucarera contra Pythium ultimum, con altas concentraciones de sulfato de cobre. (Sum.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(54):47. June 1952. 9 Id3

20712 SCARAMUZZI, G. Alternariosis on carnation petals. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1587-1595. 1952. 16 An76
English summary.

20713 SCHAAL, L. A., and JOHNSON, G. Relation of chlorogenic acid in potato tubers to scab resistance. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:71-72. Oct.1952. 500 C717

20714 SCHNELLE, F., and SEEMANN, J. Phytophthora-warndienst in Holland. Landwirt. Wchnbl. 142: 1481,1484. Dec.20,1952. 18 L2338
On potatoes.

20715 SCHÖNHAR, S. Untersuchungen über den erreger des pappelrindentodes. Allg. Forstz. 7:509-512. Dec.3,1952. 99.8 AL52
Dothichiza populea.

20716 SCHULZ, P. The case of the unhappy violet. Gloxinian 2(3):10-11. Nov./Dec.1952. 96.06 G51
Crown rot caused by fungi.

20717 SHARMA, S. L. Pathogenicity of Puccinia kuehnii (Krueg) Butler on sugarcane in Bihar. Cur. Sci. 21:288. Oct.1952. 475 Sci23

20718 SHERENGOVYĬ, P. Z. In regard to the biology of the black canker organism of fruit trees [apples and pears]. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:45-49. 1951. 106 Um1
Sphaeropsis malorum.

20719 SHERF, A. Rusts in grain crops. Iowa. State Col. Agr. Ext. Pam. 185,4 p. June 1952. 275.29 Io9Pa

20720 SHUMILENKO, E. P. Effectiveness of NIUIF-2 (Granosan) compound in control of grain seed diseases. (In Russian.) Selek. i Semen. 19(10):67-70. Oct.1952. 61.9 Se5

20721 SIMONS, M. D., and MURPHY, H. C. Kernel blight phase of Septoria black stem [Leptosphaeria avenaria] of oats. Plant Dis. Rptr. 36:448-449. Ref. Dec.15,1952. 1.9 P69P

20722 SLIPP, A. W. Growth rate of cankers of white pine blister rust along branch leaders toward the trunk in western white pine [Pinus monticola]. Idaho. U. Forest, Wildlife & Range Expt. Sta. Res. Notes 1,3 p. Jan.31,1951. 99.9 Id14R

20723 SOLOV'EV, A., and POLÍAKOV, P. Thermochemical treatment in control of wheat and barley smut. (In Russian.) Selek. i Semen. 19(10):78-80. Oct.1952. 61.9 Se5

20724 SOUSA, J. S. I. DE. Maranhão grapes attacked by Peronospora. (In Portuguese.) Chacaras e Quintais 86:94-96. July 15,1952. 9.2 C34

20725 SRINIVASAN, K. V. Seedling blight [Colletotrichum capsici] of Sesbania grandiflora Pers. Cur. Sci. 21:318. Nov.1952. 475 Sci23

20726 STAEHELIN, M., and TERRIER, C. Le problème de l'économie de cuivre dans la lutte contre le mildiou de la vigne. Landwirt. Jahrb. der Schweiz 66: 1077-1081. 1952. 17 L23

20727 STAMBAUGH, W. J. A study of the needle cast diseases of conifers in Pennsylvania. J. Forestry 50:944. Dec.1952. 99.8 F768

20728 STEVENSON, J. A. Getting at the "meat" of plant pathological literature. Plant Dis. Rptr. 36:491-492. Dec.15,1952. 1.9 P69P
Includes description of a host index started in 1916 in the U. S. Department of Agriculture and a fungus index begun in 1933.

20729 STOJANOVIC, D. Investigations of the possibility of the control of apple scab. (In Serbo-Croatian.) Zaštita Bilja 9:35-41. 1952. 464.8 Z1
English summary.

20730 STUBBS, L. L. Parsnip canker. Austral. Plant Dis. Recorder 4:47. Oct.1952. 464.8 Au7

20731 SWANK, G. Variation of monosporous isolates of Colletotrichum phomoides. Ohio. State U. Abs. Doct. Diss. 63:359-363. 1952. 241.8 Oh3
From diseased tomatoes.

20732 THOMAS, W. D., and MCANELLY, C. W. Variety of available chemicals check purple blotch on onions. Colo. Farm & Home Res. [Colo. Sta.] 3(3):7. Sept./Oct.1952. 100 C712Co

20733 TOPALOVIĆ, G. The 3-year work of the Anti-Peronospora Station in Sremski Karlovci. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13): 22-24. Sept.1952. 21.5 V87

20734 TRINIDAD. DEPT. OF AGRICULTURE. How to control witchbroom disease of cacao. n.p.,1951? 3 p. 464.09 T73H

20735 VAHEEDUDDIN, S. Short note on wheat rust and diseases on other crops in Hyderabad State. Plant Protect. B. 3:121-122. Dec.1951. 421 P69

20736 VALLEGA, J., and FAVRET, E. A. Las royas de los cereales en Argentina. 1. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(54):17-39. Ref. June 1952. 9 Id3
Puccinia spp.

20737 VASUDEVA, R. S. Incidence of important diseases in some of the important economic crops at the Indian Agricultural Institute and its sub-station at Karnal during 1950-51. Dec.1951. 421 P69
Fungus diseases.

20738 VAUGHN, J. R. Snow molds: their prevention and cure. Golf Course Rptr. 20(6):11. Nov./Dec.1952. 80.18 G83

20739 VENKATAKRISHNIAH, N. S. Ephelis on Echinochloa crus-galli Beauv. and Setaria italica Beauv. Phytopathology 42:634-635. Nov.1952. 464.8 P56

20740 VIENNOT-BOURGIN, G. Sur la présence en France de Botrytis squamosa, parasite de l'oignon. Rev. de Path.Vég. et d'Ent. Agr. de France 31:82-98. Ref. 1952. 464.9 So1

20741 VIENNOT-BOURGIN, G. Une maladie [Botrytis squamosa] à sclérote des bulbes et des feuilles d'oignon, nouvelle pour la France. Acad. d'Agr. de France. Compt. Rend. 39:569-570. Oct.8/15,1952. 14 P215Bc

20742 WAGER, V. A. The scab [Sphaceloma fawcetti] disease of citrus. Citrus Grower 225:3-4. Oct.31,1952. 80 C495

20743 WAGER, V. A., and RIPLEY, L. B. Sooty mould in citrus. Farming So. Africa 27:468. Oct.1952. 24 So842

20744 WAGGONER, P. E., and DIMOND, A. E. Examination of the possibility of therapy of plant disease with ionizing radiation. Phytopathology 42:599-602. Ref. Nov.1952. 464.8 P56

20745 WALKER, A. T., and SMITH, F. G. Effect of actidione on growth and respiration of Myrothecium verrucaria. Soc. Expt. Biol. & Med. Proc. 81:556-559. Ref. Nov.1952. 442.9 So1

20746 WALKER, J. Parsnip leaf spot caused by Phleospora crescentium. Austral. Plant Dis. Recorder 4:48. Oct.1952. 464.8 Au7

20747 WARCUP, J. H. Effect of partial sterilization by steam or formalin on damping-off of Sitka spruce [Picea sitchensis]. Brit. Mycol. Soc. Trans. 35:248-262. Ref. Dec.1952. 451 B76

20748 WARMBRUNN, K. Untersuchungen über den zwergsteinbrand [Tilletia]. Phytopath. Z. 19:441-482. Ref. Sept.1952. 464.8 P562

20749 WEBSTER, B. N. Infection chains and Acacias. Ceylon. Tea Res. Inst. Tea Q. 23:70-72. Sept. 1952. 68.18 C33
Calonectria theae.

20750 WENZL, H. Beitrag zur normung von schwefelpräparaten auf grund von schorfversuchen. Pflanzenschutzberichte 9:65-79. Oct.1952. 464.9 P48
English summary.
On apples.

20751 WHITEHEAD, M. D., and DICKSON, J. G. Pathology, morphology and nuclear cycle of two new species of Pyrenophora. Mycologia 44:747-758. Nov./Dec.1952. 450 M99

20752 YOUNG, H. C., and SPILKER, O. Longevity of disease organism getting attention in oak wilt project. Ohio Farm & Home Res. 37:97-98. Nov./Dec.1952. 100 Oh3S

20753 ZHURAVEEV, I. I. New method of [tree] seed disinfection. (In Russian.) Lesn. Khoz. 5(7):52-54. July 1952. 99.8 L5622
Fusarium chiefly.

20754 ZOBRIST, L., and FROHLICH, H. 10 jahre versuche zur bekämpfung des apfelmehltaues (Podosphaera leucotricha (E. et E.) Salm.) Phytopath. Z. 19:431-440. Sept.1952. 464.8 P562
English summary.

20755 ZUBOV, M. F. Use of organic sulfur compounds against white rot of grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):40. May 1952. 95.8 V77

Diseases Caused by Bacteria

20756 ABBOTT, E. V. Report on a visit to British Guiana to study leaf scald of sugarcane (Xanthomonas albilineans). n.p.,1951. 8 p. 464.043 Ab2

20757 CHOWDHURY, S. Some observations on citrus canker [Xanthomonas citri] in Assam. Sci. & Cult. 18: 246-248. Nov.1952. 475 Sci24

20758 CONROY, R. J. Blackleg of potatoes in New South Wales. Agr. Gaz. N. S. Wales 63:534-536. Oct. 1952. 23 N472
Erwinia carotovorum.

20759 DAINES, R. H. Bacterial spot [Xanthomonas pruni] of peaches. N. J. State Hort. Soc. Hort. News 33: 2561. Nov.1952. 81 N46

20760 GUBANOV, G. Determination of cotton resistance to gummosis [Xanthomonas malvacearum]. (In Russian.) Khlopkovodstvo 8:41-45. Aug.1952. 72.8 K522

20761 HELTON, A. W. Controlling fireblight. Idaho. Agr. Expt. Sta. C. 122,4 p.-folder. Dec.1952. 100 Id1

20762 HOLTZMANN, O. V. Nature of pathogenicity in bacterial wilt [Pseudomonas caryophylli] of carnations. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:74-75. Oct.1952. 500 C717

20763 KNIGHT, R. L. The genetics of blackarm resistance. IX. J. Genet. 51:270-275. Jan.1953. 442.8 J823
Cotton.

20764 NOBLE, M., and MARSHALL, M. A note on black leg of potato. Plant Path. 1:134. Dec.1952. 464.8 P692

20765 PATEL, M. K., KULKARNI, N. B., and KULKARNI, Y. S. Ring disease [Phytobacterium solanacearum] of potato in India. Cur. Sci. 21:47-48. Feb.1952. 475 Sci23

20766 PATEL, M. K., BHATT, V. V., and KULKARNI, Y. S. Three new bacterial diseases of plants from Bombay. Indian Phytopath. 4:144-151. Ref. 1951. 464.8 In2
Occurring on Lawsonia alba, Tamarindus indica, and Euphorbia pulcherrima.

20767 SABET, K. A., and DOWSON, W. J. Studies in the bacterial die-back and canker disease of poplar. Ann. Appl. Biol. 39:609-616. Ref. Dec.1952. 442.8 An72

20768 SUNDARAM, N. V. New host for Xanthomonas malvacearum (Smith) Dowson. Cur. Sci. 21:320. Nov. 1952. 475 Sci23

20769 TARR, S. A. J. Seed treatment against blackarm disease [Xanthomonas malvacearum] of cotton in the Anglo-Egyptian Sudan. Empire Cotton Growing Rev. 30:19-33. Jan.1953. 72.8 Em7

20770 TESSI, J. L. Pseudomonas coronafaciens y Pseudomonas striafaciens. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(54):40. June 1952. 9 Id3

20771 THOMAS, W. D. Bacterial leaf blight, a new disease of onions. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:68. Oct.1952. 500 C717

20772 WAGGONER, P. E., and DIMOND, A. E. Crown gall suppression by anti-auxin. Science 117(3027):13. Jan.2,1953. 470 Sci2
Effect of maleic hydrazide.

20773 WINSTEAD, N. N., and KELMAN, A. Inoculation techniques for evaluating resistance to Pseudomonas solanacearum. Phytopathology 42:628-634. Ref. Nov. 1952. 464.8 P56

Viruses and Virus Diseases

20774 ABBOTT, E. V. The occurrence of a hitherto unrecognized growth-retarding disease of sugarcane in Louisiana. Sugar B. 31:116-120. Jan.1,1953. 65.8 Am32

20775 ALVAREZ-GARCÍA, L. A. Identity of a chlorotic ring-spot virus from kale. P. R. U. J. Agr. 35:115-125. Ref. Oct.1951,pub.May 1952. 8 P832J

20776 BEALE, J. H., and BEALE, H. P. Transmission of a ringspot-virus disease of Syringa vulgaris by grafting. Boyce Thompson Inst. Contrib. 17:1-6. Oct./Dec.1952. 451 B69

20777 BIRD, J., and ADSUAR, J. Viral nature of papaya bunchy top. P. R. U. J. Agr. 36:5-11. Jan.1952. 8 P832J

20778 BITTERS, W. P. Exocortis disease of citrus; top-root relationships of trifoliate orange and its hybrids studied in search for cause of root disease. Calif. Agr. [Calif. Sta.] 6(11):5-6. Nov.1952. 100 C12Cag

20779 BROADBENT, L., GREGORY, P. H., and TINSLEY, T. W. The influence of planting date and manuring on the incidence of virus diseases in potato crops. Ann. Appl. Biol. 39:509-524. Ref. Dec.1952. 442.8 An72

20780 BUTSEVICH, L. A. Certain virus characteristics of chlorosis in the top leaves of Makhorka [Aztec tobacco]. (In Russian.) Tabak 4:55-57. July/Aug.1952. 69.8 T112

20781 CADMAN, C. H. Studies in Rubus virus diseases. IV-V. Ann. Appl. Biol. 39:495-508. Ref. Dec.1952. 442.8 An72

20782 CHEO, P. C., and ZAUMEYER, W. J. A new strain of tobacco ringspot virus isolated from bean. Plant Dis. Rptr. 36:459-465. Dec.15,1952. 1.9 P69P

20783 DELHAYE, R. J. L'étude de la pourriture des inflorescences de pyrèthre à la station de Mulungu. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 1:305-320. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4). Dec.1952. 24 K83

20784 FERNANDEZ VALIELA, M. V. Necrosis de los brotes de la papa; una enfermedad causada por virus con un bajo grado de transmisibilidad por tubérculo. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(55):6-7. July 1952. 9 Id3

20785 FRY, P. R. Cauliflower mosaic: a virus disease of Brassicas. New Zeal. J. Agr. 85:507-508. Dec. 1952. 23 N48J

20786 FULTON, R. H. Effect of heat treatment on the type 2 virus present in the Robinson strawberry. Plant Dis. Rptr. 36:466-467. Dec.15,1952. 1.9 P69P

20787 GRANT, T. J. Evidence of tristeza in Florida. Fla. Grower 60(12):5,15,33-34. Ref. Dec.1952. 80 F6622

20788 HARTSUIJKER, K. De vergelingsziekte der bieten. I. Samenvattend verslag over het onderzoek in de jaren 1940-1948 [Virus yellows of the sugar beet. I. Summary of the investigations during the years 1940-1948] Inst. v. Ration. Suikerprod. Meded. 2,275 p. Ref. Aug.1952. 66.9 B45
English summary.

20789 HOOF, H. A. VAN. "Stip" (specks) in cabbage, a virus disease. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:727-742. Ref. Aug./Sept.1952. 86 N384
English summary.

20790 HUTTON, E. M. Some aspects of virus Y resistance in the potato (Solanum tuberosum). Austral. J. Agr. Res. 3:362-371. Ref. Oct.1952. 23 Au783

20791 JOHNSON, J. C. Common bean mosaic. Austral. Plant Dis. Recorder 4:46. Oct.1952. 464.8 Au7

20792 KLINKOWSKI, M. Die "bohnenwelke" der Phaseolus-arten, die bronzefleckenkrankheit der tomate, die vergilbungskrankheit und das gelbnetz-virus der rüben, viruskrankheiten, die bisher in Deutschland unbekannt waren. Deut. Landwirt. 3:636-639. Dec.1952. 18 D4822

20793 KRISTENSEN, H. R. Cherry tatter leaf disease, a new virus disease in Denmark. (In Danish.) Erhvervsfrugtavleren 19:60-61. Dec.1,1952. 80 Er3

20794 KRISTENSEN, H. R. Serious tomato disease caused by virus on Chrysanthemum. (In Danish.) Gart.-Tid. 68:479-481. Ref. Dec.8,1952. 80 G192

20795 KUENEN, D. J. New possibilities for the control of big bud in black currants. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:722-726. Aug./Sept.1952. 86 N384
English summary.

20796 MAGIE, R. O., SMITH, F. F., and BRIERLEY, P. Occurrence of western Aster yellows virus infection in Gladiolus in eastern United States. Plant Dis. Rptr. 36:468-470. Dec.15,1952. 1.9 P69P

20797 MOREL, G., and MARTIN, C. Guérison de Dahlias atteints d'une maladie à virus. Acad. des Sci. Compt. Rend. 235:1324-1325. Nov.24,1952. 505 P21

20798 NICHOLS, C. W. The retarding effect of certain plant hormones on tobacco mosaic symptoms. Phytopathology 42:579-580. Nov.1952. 464.8 P56

20799 NIELSEN, L. W. Effect of temperature on the development of internal cork lesions in sweet potato roots. Phytopathology 42:625-627. Nov.1952. 464.8 P56

20800 NOORDAM, D. Virus diseases of Chrysanthemum indicum in the Netherlands. (In Dutch.) Tijdschr. over Plantenziekten 58:121-190. Ref. Sept./Oct.1952. 464.8 T44
English summary.

20801 PAVILLARD, J. Recherches sur la croissance des plantes virosées. II. Influence des facteurs d'environnement. Acad. des Sci. Compt. Rend. 235:1527-1529. Dec.10,1952. 505 P21

20802 PERIŠIĆ, M. M. La mosaique du figuier en Yougoslavie. (In Serbo-Croatian.) Zastita Bilja 9:62-63. 1952. 464.8 Z1
French summary.

20803 PRENTICE, I. W. Resolution of strawberry virus complexes. V. Experiments with viruses 4 and 5. Ann. Appl. Biol. 39:487-494. Ref. Dec.1952. 442.8 An72

20804 RAYCHAUDHURI, S. P. Studies on internal browning of tomato. Phytopathology 42:591-595. Ref. Nov.1952. 464.8 P56
Tests with tobacco mosaic virus associated with internal browning.

20805 RIETBERG, H. De vergelingsziekte der bieten. II. Aanvullende opmerkingen bij het verslag over 1940-1948 [Virus yellows of the sugar beet. II. Additional remarks to the report on the years 1940-1948] Inst. v. Ration. Suikerprod. Meded. 3:277-291. Sept.1952. 66.9 B45
English summary.

20806 SCHENK, P. J. Virus diseases of ornamentals. (In Flemish.) Cult. en Handel 18:652-653. Nov.1952. 80 C892

20807 SCHNEIDER, I. R. Solution of tobacco mosaic virus in the aqueous phase of a chloroform-water emulsion and application of this phenomenon in virus assay. Science 117:30-31. Jan.9,1953. 470 Sci2

20808 SCURTI, J. Application of oxyquinolin sulphate for the control of Gladiolus yellows. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1715-1720. Ref. 1952. 16 An76
English summary.

20809 SCURTI, J. A contribution to the knowledge of Gladiolus yellows. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1705-1714. Ref. 1952. 16 An76
English summary.

20810 SEGRETAIN, G. Action du lait de coco et de l'acide naphtalène acétique sur la multiplication d'un virus en culture de tissus. Acad. des Sci. Compt. Rend. 235:1342-1344. Nov.24,1952. 505 P21
Tobacco plants used in the experiment.

20811 SMITH, K. M. A virus disease of cocksfoot [Dactylis glomerata]. Plant Path. 1:118. Dec.1952. 464.8 P692

20812 TAKAHASHI, W. N. Rod-shaped virus of radish mosaic. Phytopathology 42:623-624. Ref. Nov. 1952. 464.8 P56

20813 THOMAS, W. D. The effect of aster yellows virus on carnation blossoms. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:68. Oct.1952. 500 C717

20814 THUNG, T. H. Diagnosis and curing of some virus diseases. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:714-721. Ref. Aug./Sept.1952. 86 N384
English summary.

20815 USCHDRAWEIT, H. A. Die bedeutung des tabakmosaikvirus und des kartoffel-X-virus für den tomatenanbau. Angew Bot. 26:118-129. Aug.1952. 450 An4

20816 WALLACE, J. M. Psorosis reduces citrus yields. Calif. Citrog. 38:83,100-102. Jan.1953. 80 C125

20817 WALLACE, J M. Psorosis reduces yields. Citrus Leaves 33:26,28. Ref. Jan.1953. 80 C492

Diseases Caused by Nematodes

20818 BINGEFORS, S. Nematode resistance in clover and lucerne. Internatl. Grassland Conf. Abs. Papers 6(2):3-4. 1952. (Doc.5) 60.19 In86

20819 BOHM, O. Beitrag zur kenntnis der verbreitung des kartoffelnematoden (Heterodera rostochiensis Wr.) in Osterreich. Pflanzenschutzberichte 9:151-152. Nov.1952. 464.9 P48
English summary.

20820 CHRISTIE, J. R., and TAYLOR, A. L. Controlling nematodes in the home garden. U. S. D. A. Farmers' B. 2048,11 p. Sept.1952. 1 Ag84F

20821 COCKBILL, G. F. The root knot eelworm. Rhodesia. Agr. J. 49:303-312. Ref. Sept./Oct.1952. 24 R34

20822 DAULTON, R. A. C., and STOKES, W. M. The destruction or inhibition of root-knot nematodes by exposure to an electrostatic field. Empire J. Expt. Agr. 20: 271-273. Oct.1952. 10 Em7

20823 ELLENBY, C. Resistance to the potato root eelworm, Heterodera rostochiensis Wollenweber. Nature [London] 170:1016. Dec.13,1952. 472 N21

20824 FELDMESSER, J., and FASSULIOTIS, G. Reaction of Nicotiana spp. to the Long Island, New York golden nematode of potatoes, Heterodera rostochiensis. Plant Dis. Rptr. 36:483-484. Dec.15,1952. 1.9 P69P

20825 FENWICK, D. W. The bio-assay of potato-root diffusate. Ann. Appl. Biol. 39:457-467. Dec.1952. 442.8 An72
In connection with nematode control.

20826 FENWICK, D. W., and REID, E. Seasonal fluctuations in the degree of hatching from cysts of the potato root eelworm. Nature [London] 171:47. Jan.3, 1953. 472 N21

20827 GOODEY, J. B. The influence of the host on the dimensions of the plant parasitic nematode, Ditylenchus destructor. Ann. Appl. Biol. 39:468-474. Dec.1952. 442.8 An72

20828 LINDHARDT, K. Nematode (Ditylenchus dipsaci) attack on celery. (In Danish.) Gart.-Tid. 68:488. Dec.15,1952. 80 G192
English summary.

20829 MAI, W. F. Susceptibility of Nicotiana spp. to the golden nematode, Heterodera rostochiensis. Plant Dis. Rptr. 36:485-486. Dec.15,1952. 1.9 P69P

20830 PETERS, B. G. Pot tests of nematicides against potato-root eelworm. I. Ann. Appl. Biol. 39: 447-456. Dec.1952. 442.8 An72

20831 SACHS, H. New information on the control of nematodes with E 605 forte. Höfchen-Briefe 5:20-32. 1952. 464.8 H67

20832 SEINHORST, J. W. Eelworms menacing horticultural crops. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:773-776. Aug./Sept.1952. 86 N384
English summary.

20833 SHIBUYA, M. Studies on the varietal resistance of sweet potato to the root-knot nematode injury. Kagoshima U. Facul. Agr. Mem. 1:1-22. Ref. Mar. 1952. 107.6 K114

20834 SMITH, H. W. Some laboratory methods for screening nematocides. Ohio. State U. Abs. Doct. Diss. 63:331-337. 1952. 241.8 Oh3

20835 TARJAN, A. C. Nematodes and their effects on plants. Org. Gard. 21:14-17,55-56. Jan.1953. 56.8 Or3

20836 TAYLOR, A. L. The nematode problem, some questions and answers. Farm & Ranch—South. Agr. Upper So. Ed. 83:15,56. Jan.1953. 6 T31

20837 TOXOPEUS, H. J., and HUIJSMAN, C. A. Genotypical background of resistance to Heterodera rostochiensis in Solanum tuberosum, var. andigenum. Nature [London] 170:1016. Dec.13,1952. 472 N21

ECOLOGY

20838 ALEXANDROWICZ, B. W. Roślinność dna lasu [Forest vegetation]. Warszawa, Państwowe Wydawnictwo Rolnicze i Leśne, 1951. 264 p. 99.3 AL22

20839 ALVIM, P. DE T. Soil as an ecological factor in the development of vegetation in the central plateau of Brazil. Internatl. Grassland Conf. Abs. Papers 6(D):1-2. 1952. (Doc.5) 60.19 In86

20840 AMINOFF, F. Nature protection and natural values. VI. (In Swedish.) Skogen [Stockholm] 39:210-211. Oct.1,1952. 99.8 Sk51
Forest ecology.

20841 ARISTEGUIETA, L., and RAMIA, M. Vegetación del Pico de Naiguata. Soc. Venezol. de Cien. Nat. B. 14(78):31-52. 1952. 516 C172

20842 BARKMAN, J. J. An excursion to the Middachter forest. (In Dutch.) Buxbaumia 6:38-40. Oct. 1952. 450 B98
English summary.
Ecology of the moss flora near Arnhem, Netherlands.

20843 BEIDLEMAN, R. G. The Ponderosa-grassland ecotone in north central Colorado. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:70. Oct.1952. 500 C717

20844 BOYKO, H. On regeneration problems of destroyed pasture areas in arid regions. Internatl. Grassland Conf. Abs. Papers 6(D):3-4. 1952. (Doc.5) 60.19 In86
An ecological study in Israel.

20845 BRANSON, F. A. Native pastures of the dissected loess plains of central Nebraska. Nebr. U. Abs. Doct. Diss. 13:45-47. 1952. 241.8 N28

20846 BREZHNEV, D. D. Role of environment in formation of characteristics and attributes of tomatoes. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:52-59. 1951. 451 R92

20847 CHASTAIN, A. Inventaire floristique de la tourbière de la Vraconnaz (Haut-Jura Vaudois). Soc. Neuchâteloise des Sci. Nat. B. (ser.3)75:45-71. 1952. 508 N39
English summary.

20848 CHURCHILL, F. M. Microclimate as an environmental factor in the grasslands. Wyo. Range Mangt. 53,5 p. Nov./Dec.1952. 60.19 W99

20849 CODD, L. E. W. The results of an ecological survey of the Union of South Africa. Internatl. Grassland Conf. Abs. Papers 6(D):5. 1952. (Doc.5) 60.19 In86

20850 CONARD, H. S. The vegetation of Iowa; an approach toward a phytosociologic account. Iowa U. Studies Nat. Hist. 19(4),166 p. Ref. Jan.1952. 500 Io9

20851 COUPLAND, R. T. Grassland communities of the western Canadian prairies—climax and subclimax. Internatl. Grassland Conf. Abs. Papers 6(D):6-7. 1952. (Doc.5) 60.19 In86

20852 DAEVA, O. V. Rhythm of development of certain Central Asiatic plants under Moscow conditions. (In Russian.) Glav. Bot. Sad. Trudy 2:59-72. Ref. 1951. 451 M854T

20853 ELLENBERG, H. Geobotanische gliederung des klimas von Württemberg. (Sum.) Deut. Wetterdienst in der US-Zone. Ber. 32:108. 1952. 345 G313

20854 FAVARGER, C. Notes de floristique neuchateloise. Soc. Neuchâteloise des Sci. Nat. B. (ser.3)75:189-193. 1952. 508 N39
English summary.

20855 FINN, R. F. Foliar nitrogen and growth of certain mixed and pure forest plantings. J. Forestry 51: 31-33. Jan.1953. 99.8 F768
Robinia pseudoacacia.

20856 HARTMANN, F. Forstökologie; zustanderfassung und standortsgemässe gestaltung der lebensgrundlagen des waldes. Wien, Fromme, 1952. 460 p. 99.36 H25

20857 HATUSIMA, S., and KOMAKI, M. Sociological studies on the forest vegetations to be found at central part of Ohsumi Peninsula. I. Kagoshima U. Facul. Agr. Mem. 1:23-45. Mar.1952. 107.6 K114

20858 HEALY, A. J. The alien flora of Ship Cove, Queen Charlotte Sound, Marlborough. New Zeal. Sci. Rev. 10:71-72. May 1952. 475 N48

20859 HOPKINS, H. H. Native vegetation of the loess hills—sandhills ecotone in central Nebraska. Kans. Acad. Sci. Trans. 55:267-277. Ref. Sept.1952. 500 K13T

20860 HUBER, B. Uber die vertikale reichweite vegetationsbedingter tagesschwankungen im CO_2-gehalt der atmosphäre. Forstwiss. Centbl. 71:372-380. Nov./Dec.1952. 99.8 F775

20861 JACKSON, C. R. Some topographic and edaphic factors affecting plant distribution in a tidal marsh. Fla. Acad. Sci. Q. J. 15:137-148. Sept.1952. 500 F66
In Wakulla Co., Florida.

20862 JONES, J. J. Quadrat study of fifteen stands in the Early Wisconsin Drift Plain. (Abs.) Ind. Acad. Sci. Proc. 61:68. 1951, pub.1952. 500 In2

20863 JOVET, P., ALLORGE, V., and JOVET-AST, S. Une chênaie-buxaie de la vallée de la Bidassoa. Soc. d'Hist. Nat. de Toulouse. B. 86:36-44. May 30,1951. 505 T64

20864 KÄSTNER, M. Das Caricetum caespitosae als besonders eindrucksvolles beispiel eines einartvereins. Bayer. Bot. Gesell. Ber. 29:97-98. 1952. 451 B34B

20865 KÄSTNER, M. Der Melica uniflora-verein als staublehmanzeiger. Bayer. Bot. Gesell. Ber. 29:98-99. 1952. 451 B34B

20866 KORNAŚ, J. Les associations végétales du Jura Cracovien. II. (In Polish.) Soc. Bot. Polon. Acta 21:701-718. Ref. 1952. 451 So16
French summary.

20867 KRANKOWSKA-SZNAJDER, B. Obserwacje nad strefą przejścia zespołów Querceto-Carpinetum i Querceto-Betuletum w Białowieskim Parku Narodowym. Uber die kontaktzone der waldassoziationen Querceto-Carpinetum und Querceto-Betuletum in dem Białowiezia-Nationalpark. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. C. 6:387-408. May 15,1952. 512 L96Ac
German summary.

20868 MACKO, S. Die pflanzenassoziationen des riesengebirges. I. (In Polish.) Soc. Bot. Polon. Acta 21:591-683. Ref. 1952. 451 So16
German summary.

20869 MAGALHÃES, G. M. Contribution to the study of plant geography in the São Francisco area. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(5):26-39. May 1952. 9.2 M663

20870 MARCET, E. Zum ökologischen verhalten verschiedener pappelsorten. Schweiz. Z. f. Forstw. 103: 425-431. Nov.1952. 99.8 J82

20871 MARR, J. W. Ecology of a low hill near Fort Chimo, northeastern Canada. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:70. Oct.1952. 500 C717

20872 MERXMULLER, H. Anderungen des florenbildes am Münchner Südbahnhof. Bayer. Bot. Gesell. Ber 29:37-42. Ref. 1952. 451 B34B

20873 MEUSEL, H. Uber die Elyneten der Allgäuer Alpen. Bayer. Bot. Gesell. Ber. 29:47-55. Ref. 1952. 451 B34B

20874 NEGRE, R. Observations phytosociologiques et écologiques sommaires sur la cédraie de Kissarit (Brigade forestière d'Ain Leuh, Moyen Atlas Central). Phyton [Horn] 4:59-71. July 10,1952. 450 P565

20875 NEW ZEALAND ECOLOGICAL CONFERENCE. Report 1, May 20 and 21, 1952. New Zeal. Sci. Rev. 10: 78-93. 1952. 475 N48
Includes plants.

20876 PFEIFFER, H. Ein pflanzensoziologisch unbeachteter halophiler bestand des binnenlandes. Phyton [Horn] 4:194-200. Ref. July 10,1952. 450 P565
Near Bremen, Germany.

20877 PONS, A. La hêtraie du Grand Lubéron (Vaucluse). Soc. Bot. de France. B. 99:187-189. 1952. 451 F84B

20878 PRAT, H. Remarques sur la végétation du Mexique. Soc. Bot. de France. B. 99:190-192. 1952. 451 F84B

20879 REIMER, C. W. Preliminary study of the effect of topography on the distribution of sugar and black maples and their intermediate forms. (Abs.) Ind. Acad. Sci. Proc. 61:70-71. 1951, pub.1952. 500 In2

20880 RICHARDS, P. W. The tropical rain forest; an ecological study. Cambridge, U. Press, 1952. 450 p. Ref. 463.83 R39

20881 ROSENGURTT, B. The natural prairies of Uruguay. Internatl. Grassland Conf. Abs. Papers 6(D): 17-18. 1952. (Doc.5) 60.19 In86
An ecological study.

20882 RUBNER. Neue erkenntnisse in der auwald-erforschung. Allg. Forstz. 7:533-534. Dec.24,1952. 99.8 AL52

20883 SALISBURY, E. J. Downs & dunes; their plant life and its environment. London,Bell,1952. 328 p. 463.89 Sa3

20884 SCHILLING. Pflanzengemeinschaft bei dauergewächsen. Deut. Landwirt. 3:648-649. Dec.1952. 18 D4822

20885 SENDEN, L. VAN. Grünlandtypen nach höhenlagen. Grünland 1:76-78. Oct.1952. 18 G922 Germany.

20886 SHIKHOVA-VODOVOZOVA, M. V. Ecology and genesis of the Populus tremula. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):53-62. Ref. 1952. 511 M85

20887 SUESSENGUTH, K. Zur flora des gebietes der Berliner hütte in den Zillertaler Alpen. Bayer. Bot. Gesell. Ber. 29:72-82. 1952. 451 B34B

20888 WEBER, W. A. Plant distribution patterns in Colorado. II. The true prairie relict flora. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:64. Oct.1952. 500 C717

20889 WEISE. Planzensoziologische grünland-kartierung 1951. Landbforsch. Völkenrode 2:44-45. Apr. 1952. 18 L2353

20890 WILD, H. The vegetation of Southern Rhodesian termitaria. Rhodesia Agr. J. 49:280-292. Sept./Oct 1952. 24 R34

20891 ZOTTL, H. Beitrag zur ökologie alpiner kalkschuttstandorte. Phyton [Horn] 4:160-175. Ref. July 10,1952. 450 P565

20892 ZÖTTL, H. Zur verbreitung des schneeheide-kiefernwaldes im bayerischen Alpenvorland. Bayer. Bot. Gesell. Ber. 29:92-95. 1952. 451 B34B

MORPHOLOGY, ANATOMY, AND CYTOLOGY

20893 BAILEY, I. W., and SWAMY, B. G. L. The morphology and relationships of Idenburgia and Nouhuysia Arnold Arboretum J. 34:77-87. Jan.1953. 451 Ar6J

20894 BAKSHI, T. S. Floral morphology and embryology of Psilostachys sericea Hook. F. Phytomorphology 2:151-161. Ref. Aug.1952. 450 P566

20895 BAL, S. N., and others. A study on Digitalis lanata, Ehrh. grown in India. Indian J. Pharm. 14:189-191. 1952. 396.8 In23
B. Gupta, A. N. Bose, and S. Bose, joint authors. Morphology.

20896 BALASUBRAMANIAN, R. Leaf shape expression in New World cotton hybrids between wild diploids and cultivated tetraploids. Cur. Sci. 21:136-137. May 1952. 475 Sci23

20897 BALDWIN, J. T., and SPEESE, B. M. Chromosomes of Hymenoxys. (Abs.) Va. J. Sci. (n.s.)3:294. Sept.1952. 470 V81

20898 BALL, E. Experimental division of the shoot apex of Lupinus albus L. Growth 16:151-174. Ref. Sept. 1952. 442.8 G91

20899 BARANOVA, E. A. Regularity in formation of additional roots in plants. (In Russian.) Glav. Bot. Sad. Trudy 2:169-193. Ref. 1951. 451 M854T

20900 BARBER, M. Chromosomal numbers and morphology of certain species of the moss genus Anomodon. (Abs.) Va. J. Sci. (n.s.)3:294. Sept.1952. 470 V81

20901 BRANDT, J. P. Contribution à la cytologie du genre Veronica. Soc. Neuchâteloise des Sci. Nat. B. (ser.3)75:179-188. Ref. 1952. 508 N39
English summary.

20902 BRAT, L. Epidermis-zellgrösse und stomatazahl vergrünter Gladiolus-blüten. Phyton [Horn] 4:215-220. July 10,1952. 450 P565

20903 BRODIE, H. J. Discovery of the function of the cups of Polyporus conchifer. (Abs.) Ind. Acad. Sci. Proc. 61:66. 1951,pub.1952. 500 In2

20904 CHAKRAVERTI, D. N. Variations in the morphology of the pistil and the stamen of Sesbania grandiflora (Linn.) Pers. Sci. & Cult. 18:292-293 Ref. Dec. 1952. 475 Sci24

20905 CHAMBERS, A. L. Anatomy of Lophophora williamsii (Lem) Coulter. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:63-64. Oct.1952. 500 C717

20906 COUTINHO, M. C. P. Anatomical aspects of leaf drop in Vitis vinifera L. (In Portuguese.) Inst. Super. de Agron. An. 18:89-94. Ref. 1951. 105.7 L682

20907 CRETE, P. Contribution à l'étude embryologique des Datiscacées. L'origine du sac embryonnaire et la transformation de l'ovule en graine chez le Datisca cannabina L. Soc. Bot. de France. B. 99:152-156. Ref. 1952. 451 F84B

20908 CRÉTÉ, P. Embryogénie des Liliacées. Developpement de l'embryon chez le Gasteria verrucosa Duval. Acad. des Compt. Rend. 235:1421-1423. Dec.1, 1952. 505 P21

20909 DATTA, A. N., and DATTA, R. M. Polymery in the floral organs of Solanum nigrum Linn. Sci. & Cult. 18:242. Nov.1952. 475 Sci24

20910 DEB, D. B. New record of epiphyllous bud in Nymphaea stellata Willd. Sci. & Cult. 18:290-291. Dec.1952. 475 Sci24

20911 DEYSSON, G. Fixation et coloration extemporanée du chondriome à l'aide d'un réactif à l'orcéine trichloracétique. Acad. des Sci. Compt. Rend. 235:1529-1531. Dec.10,1952. 505 P21

20912 DUBROVITSKAIA, N. I., and BAZAVLUK, V. IU. Correlation of certain morphological symptoms with early fruit-bearing and early growth of apple trees. (In Russian.) Glav. Bot. Sad. Trudy 2:194-206. Ref. 1951. 451 M854T

20913 DUTT, B. S. M. On the abnormal cones of Gnetum L. Sci. & Cult. 18:199. Oct.1952. 475 Sci24

20914 DUTT, M. Note on the cytology of Atropa acuminata Royle ex Lindley. Cur. Sci. 21:168-169. June 1952. 475 Sci23

20915 ERDTMAN, G. Pollen morphology and plant taxonomy. An introduction to palynology, v. 1. Stockholm,Almqvist & Wiksell,1952. 539 p. 463.46 Er2

20916 EUNUS, A. M. Contributions to the embryology of Liliaceae. III. Embryogeny and development of the seed of Asphodelus tenuifolius Cav. Lloydia 15:149-155. Ref. Sept.1952. 442.8 L77

20917 FAROOQ, M. Bicarpellate flower of Poinciana pulcherrima L. (=Caesalpinia pulcherrima Sw.). Sci. & Cult. 18:192-193. Oct.1952. 475 Sci24

20918 FASSETT, N. C. Temporal variation. Rhodora 54:303-305. Dec.1952. 450 R34

20919 FIEDLER, J. Number of veins in the leaves (anatomical variability) and the grain yield of cereal plants. (In Czech.) Cesposlov. Akad. Zeměděl. Sborn. 25:419-428. Nov.1952. 19.5 C332C

20920 FOSTER, A. S. Foliar venation in angiosperms from an ontogenetic standpoint. Amer. J. Bot. 39:752-766. Ref. Dec.1952. 450 Am36

20921 GINDEL, I. Some anatomical features of the indigenous woody vegetation of Israel. Israel. Res. Council,B. 2(2),16 p. Ref. Sept.1952. 330.9 Is72B

20922 GUPTA, D. D. Sporulation & aversion in Eurotium herbariorum (Wigg). Indian Phytopath. 4:106-115. 1951. 464.8 In2

20923 GUTTRIDGE, C. G. Inflorescence initiation and aspects of the growth habit of the strawberry. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:42-48. 1952. 84 B77

20924 HAGERUP, O. The morphology and biology of some primitive orchid flowers. Phytomorphology 2: 134-138. Aug.1952. 450 P566

20925 HAGIYA, K. Physiological studies on the occurrence of the "pithy tissue" in root crops. 1. On the process of the occurrence of pithy tissue in company with the growth of radish. (In Japanese.) Hort. Assoc. Japan. J. 21:81-86. Ref. Sept.1952. 87 H78
English summary.

20926 HARLAN, J. R., SNYDER, L. A., and CELARIER, R. P. Cytological studies of Southern Great Plains grasses. Internatl. Grassland Conf. Abs. Papers 6(A): 17-18. 1952. (Doc.5) 60.19 In86

20927 HASKELL, G., and MARKS, G. E. Chromosome ecology of British Galinsoga species. New Phytol. 51:382-387. Ref. Nov.1952. 450 N42

20928 HASSAN, W. E., JR., and others. Studies on species of Asclepias. VII-VIII. Amer. Pharm. Assoc. J. Sci. Ed. 41:666-669. Dec.1952. 396.9 Am33J
R. A. Gosselin, R. W. Vander Wyk, and M. W. Quimby, joint authors.
VII, Determination of palisade ratio; VIII, Determination of vein islet numbers.

20929 HEITZ, E. Über eine spiralstruktur in dem spermatozoid von Pellia neesiana. Experientia 8:462-463. Dec.15,1952. 475 Ex7

20930 HESLOP HARRISON, J. A reconsideration of plant teratology. Phyton [Horn] 4:19-34. Ref. July 10, 1952. 450 P565

20931 HIRAOKA, T. Observational and experimental studies of meiosis with special reference to the bouquet stage. XI. Cytologia 17:201-209. Ref. Oct.1952. 442.8 C99
Experiment with Salvinia and Acacia.

20932 IZARD, C. Etude des tumeurs spontanées de certains hybrides interspécifiques de Nicotiana. Inst. Expt. du Tabac. Ann. 1(3):15-44. May 1952. 69.9 B45

20933 JANCHEN, E. Die sogenannte schildblattnatur der staubgefässe. Phyton [Horn] 4:224-229. July 10,1952. 450 P565

20934 JINKS, J. L. Heterokaryosis; a system of adaptation in wild fungi. Roy. Soc. London Proc. Ser. B. Biol. Sci. 140(898):83-99. Ref. Aug.27,1952. 501 L84B

20935 JOHRI, B. M., and TIAGI, B. Floral morphology and seed formation in Cuscuta reflexa Roxb. Phytomorphology 2:162-180. Ref. Aug.1952. 450 P566

20936 KAJALE, L. B., and RANADE, S. G. Occurrence of four kinds of megaspore tetrads in Elaeis guineensis Jacq. Cur. Sci. 21:170. June 1952. 475 Sci23

20937 KENDA, G. Stomata an antheren. I. Anatomischer teil. Phyton [Horn] 4:83-96. Ref. July 10,1952. 450 P565

20938 KUNDU, B. C., and RAO, N. S. Origin and development of axillary buds in jute (Corchorus capsularis) Nature [London] 170:1128. Dec.27,1952. 472 N21

20939 KUZNETSOV, V. M. Biomorphology of the root of the Zabaikal bistort (Polygonum divaricatum L.) and method for its study. (In Russian.) Glav. Bot. Sad. Trudy 2:264-279. Ref. 1951. 451 M854T

20940 MAEKAWA, F. Settled abnormality in Arisaema ringens. (In Japanese.) J. Jap. Bot. 27:254. Aug. 1952. 450 J8223

20941 MAHESHWARI, P., and SINGH, B. Embryology of Macrosolen cochinchinensis. Bot. Gaz. 114:20-32. Ref. Sept.1952. 450 B652

20942 MALHEIROS-GARDE, N., and GARDE, A. Contribution to the caryological study of Umbelliferae. II. (In Portuguese.) Genét. Ibérica 3:23-35. Ref. 1951. 443.8 G28
English summary.

20943 MANTON, I., and CLARKE, B. An electron microscope study of the spermatozoid of Sphagnum. J. Expt. Bot. 3:265-275. Sept.1952. 450 J8224

20944 MAURER, K. J. Zur entstehung von doppelfrüchten beim apfel. Hess. Obstbau 7:37-38. Mar.1952. 80 G1932

20945 MAZZANI, B., and MALAGUTI, G. Filoidia en Lochnera y Sesamum. Agron. Trop. [Maracay] 2:59-63. Apr./June 1952. 26 Ag87

20946 METCALFE, C. R. The anatomical approach to the classification of the flowering plants. Sci. Prog. [London] 41:42-53. Ref. Jan.1953. 472 Sci22

20947 MUKHERJEE, S. K. Abnormal microsporocytes in Caesalpinia pulcherrima Sw. Cur. Sci. 21:290. Oct.1952. 475 Sci23

20948 MUKHERJEE, S. K. Meiosis in Azadirachta indica. Cur. Sci. 21:287. Oct.1952. 475 Sci23

20949 MURTY, Y. S. Placentation in Peperomia. Phytomorphology 2:132-134. Aug.1952. 450 P566

20950 NARAYANASWAMI, S. Microsporogenesis and male gametophyte in Eleusine coracana Gaert. Cur. Sci. 21:19-21. Jan.1952. 475 Sci23

20951 NAYAR, B. K., and KACHROO, P. Development of antheridium in advanced leptosporangiates. Sci. & Cult 18:200-201. Oct.1952. 475 Sci24

20952 NICOLAI, E., and PRESTON, R. D. Cell-wall studies in the Chlorophyceae. I. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140:244-274. Ref. Oct.16,1952. 501 L84B

20953 NORTHEN, R. T. Pollen-shooting mechanism of Catasetum. Amer. Orchid Soc. B. 21:859-862. Dec. 1952. 80 Am329

20954 OGURA, Y. Morphology of the subterranean organs of Erythronium japonicum and its allies. Phytomorphology 2:113-122. Ref. Aug.1952. 450 P566

20955 OHTA, J. Experimental studies on the protoplasmic streaming in the Myxomycete plasmodium. I. Cytologia 17:210-218. Oct.1952. 442.8 C99

20956 OLSZEWSKA, M. J. Sur la mixoploïdie chez Narcissus poeticus L. (In Polish.) Soc. Bot. Polon. Acta 21:685-700. Ref. 1952. 451 So16
French summary.

20957 PALSER, B. F. Studies of floral morphology in the Ericales. II. Megasporogenesis and megagametophyte development in the Andromedeae. Bot. Gaz. 114: 33-52. Ref. Sept.1952. 450 B652

20958 PARKEY, W. Certain aspects of embryo culture and progeny evaluation in buffalograss [Buchloe dactyloides]. Nebr. U. Abs. Doct. Diss. 13:32-36. 1952. 241.8 N28

20959 PETROVA, K. A. Alterations of the female gametophyte in the rose-colored and red pyrethrum [Chrysanthemum]. (In Russian.) Glav. Bot. Sad. Trudy 2:207-216. Ref. 1951. 451 M854T

20960 PETRY, A. Uber regenerationserscheinungen bei Pinellia. (Extr.) Giessen,1952. 7 p. 463.38 P44
Diss. - Justus-Liebig-Hochschule.

20961 PLANTEFOL, L. Sur l'aréole du Pereskiopsis diguetii. Valeur morphologique des aiguillons des Cactees. Acad. des Sci. Compt. Rend. 235:1150-1152. Nov. 10,1952. 505 P21

20962 POOLE, A. L. The development of Nothofagus seed (including a preliminary account of the embryogeny, etc.). Roy. Soc. New Zeal. Trans. 80:207-212. Ref. Sept.1952. 514 W46

20963 PRESTON, R. D. The molecular architecture of plant cell walls. New York, Wiley,1952. 211 p. 463.43 P92

20964 PURI, V. Floral anatomy and inferior ovary. Phytomorphology 2:122-129. Ref. Aug.1952. 450 P566

20965 RAO, C. V. A case of reversed polarity in the embryo sac of Helicteres isora L. Sci. & Cult. 18: 285. Dec.1952. 475 Sci24

20966 RAO, C. V. Occurrence of persistant pollen tubes in Malvaceae. Cur. Sci. 21:49-50. Feb.1952. 475 Sci23

20967 RAJU, M. V. S. Embryology of the Passifloraceae. Cur. Sci. 21:288-289. Oct.1952. 475 Sci23

20968 RAYNOR, L. A. Cytotaxonomic studies of Geum. Amer. J Bot. 39:713-719. Ref. Dec.1952. 450 Am36

20969 REES, H., and JINKS, J. L. The mechanism of variation in Penicillium heterokaryons. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140:100-106. Aug.27, 1952. 501 L84 B

20970 RICARD, J. Evolution des distributions de fréquences des tailles des plantules d'une population de blé. Acad. des Sci. Compt. Rend. 235:1424-1425. Dec.1,1952. 505 P21

20971 SAFEEULLA, K. M. Morphological and cytological studies of Albugo species on Ipomoea hederacea. Cur. Sci. 21:287-288. Oct.1952. 475 Sci23

20972 SAINCLIVIER, M. Caryologie des Sporobolomyces. Soc. Bot. de France. B. 99:147-149. 1952. 451 F84B

20973 SELIVANOVA, N. ÏA. Variation in size of cell nuclei in hybridization and grafting of trees within the species. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:167-172. 1951. 99.9 Ak1
Chiefly Fagus.

20974 SENÏANINOVA-KORCHAGINA, M. V. On the nature of the lower ovary in Compositae. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):63-75. Ref. 1952. 511 M85

20975 SHUSHAN, S. Morphology of the vegetative organs of Cattleya mossiae Parker x Cattleya trianaei Linden & Reichb. f. (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 63. Oct.1952. 500 C717

20976 SIMONET, M. Sur la méiose de quelques Iris pogocyclus. IV. Acad. des Sci. Compt. Rend. 235:1426-1428. Dec.1,1952. 505 P21

20977 SNOW, R. On the shoot apex and phyllotaxis of Costus. New Phytol. 51:359-363. Nov.1952. 450 N42

20978 SRINATH, K. V., and KUNDU, B. C. Cytological studies of pollen-tube growth in reciprocal crosses between Corchorus capsularis Linn. and Corchorus olitorius Linn. Cytologia 17:219-223. Oct.1952. 442.8 C99

20979 SRIVASTAVA, R. K. Abnormal leaves of Cycas revoluta Thunb. Cur. Sci. 21:140-141. May 1952. 475 Sci23

20980 SRIVASTAVA, R. K. Contribution to the embryology of Indian Euphorbiaceae. I. Euphorbia rothiana Spreng. Ann. Bot (n.s.)16:505-511. Ref. Oct.1952. 450 An7

20981 SRIVASTAVA, R. K. Wilt roll in grasses. II. Involution in Eragrostis minor Host and E. pilosa Beauv. Sci. & Cult. 18:283-284. Dec.1952. 475 Sci24

20982 STERN, F. C. Cytology and horticulture. II. Roy. Hort. Soc. J. 77:433-443. Ref. Dec.1952. 84 L84J

20983 STOKEY, A. G., and ATKINSON, L. R. The gametophyte and young sporophyte of Matonia pectinata R. Br. Phytomorphology 2:138-150. Ref. Aug.1952. 450 P566

20984 STOKEY, A. G., and ATKINSON, L. R. The gametophyte of Acrostichum speciosum Willd. Phytomorphology 2:105-113. Ref. Aug.1952. 450 P566

20985 SUBRAMANYAM, K., and RAJU, M. V. S. Circumscissile dehiscence in Sphenoclea zeylanica Gaertn. Cur. Sci. 21:139-140. May 1952. 475 Sci23

20986 SUSSMAN, M. An analysis of the aggregation stage in the development of the slime molds, Dictyosteliaceae. II. Aggregative center formation by mixtures of Dictyostelium discoideum wild type and aggregateless variants. Biol. B. 103:446-457. Dec.1952. 442.8 B52

20987 TATEBE, T. Cytological studies on pollen degeneration in male sterile onions. (In Japanese.) Hort. Assoc. Japan. J. 21:73-75. Ref. Sept.1952. 87 H78
English summary.

20988 TIAGI, B. Studies in the family Orobanchaceae. I. A contribution to the embryology of Cistanche tubulosa Wight. Lloydia 15:129-148. Ref. Sept.1952. 442.8 L77

20989 TULLIN, V. Die morphologie der zuckerrübe. Zucker 5:433-444. Oct.1,1952. 65.8 Z82

20990 UTTAMAN, P. Aerial tuberisation in potato. Cur. Sci. 21:171-172. June 1952. 475 Sci23

20991 VENKATESWARLU, J. Reversed polarity in the embryo-sac of Napoleona imperialis Pal. B. Cur. Sci. 21:167. June 1952. 475 Sci23

20992 VON ABRAMS, G. J. How roses live and grow: plant anatomy. Amer. Rose Mag. 10(11):28-33. Nov.1952. 80 Am327A

20993 WARDLAW, C. W. Endogenous buds in Ophioglossum vulgatum L. Nature [London] 171:88-89. Jan. 10,1953. 472 N21

20994 WARMKE, H E. Apomixis in grasses, with special reference to Panicum maximum. Internatl. Grassland Conf. Abs. Papers 6(A):44. 1952. (Doc.5) 60.19 In86

20995 WEBER, F., KENDA, G., and THALER, I. "Stachelkugeln" in Opuntia. Phyton [Horn] 4:98-100. July 10,1952. 450 P565

20996 WEBER, F., and KENDA, G. Stomata am Tropaeolum-schlauchblatt. Phyton [Horn] 4:51-54. July 10,1952. 450 P565

20997 WEIER, T. E., and STOCKING, C. R. A cytological analysis of leaf homogenates. I. Nuclear contamination and disorganized chloroplasts. Amer. J. Bot. 39:720-726. Ref. Dec.1952. 450 Am36

20998 WEXELSEN, H. Studies on some morphological characters and time of flowering in red clover (Trifolium pratense). (In Norwegian.) Forsk. og Forsøk i Landbr. 3:125-144. Ref. 1952. 11 F772
English summary.

20999 WHITEHOUSE, H. L. K. The significance of some sexual phenomena in the fungi. Indian Phytopath. 4:91-105. Ref. 1951. 464.8 In2

21000 WILSON, G. B., and COLEMAN, P. G. The ontogeny of chromosome and chromonema spirals, a re-evaluation. Cytologia 17:270-278. Ref. Oct.1952. 442.8 C99
In plants.

21001 YAKAR, N. Cytochemical studies on pycnotic root-tip cells. Bot. Gaz. 114:72-79. Ref. Sept.1952. 450 B652
Tests with Lilium tigrinum and Allium cepa.

GENETICS

21002 BALASUBRAHMANYAN, R., and SANTHANAM, V. Inheritance of short lint mutant in Cocanadas cotton. Cur. Sci. 21:16-17. Jan.1952. 475 Sci23

21003 BREMER, G. Some remarks on the article of Engineer C. Koopman, with the title: What can we expect from an increase in the number of chromosomes? (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden en Aardappelpootgoed. Meded. 9:69-70. Dec.1952. 61.9 N28
Of rye.
Reply, by C. Koopman, p. 70.

21004 BREWBAKER, J. L., and ATWOOD, S. S. Incompatibility alleles in polyploids. Internatl. Grassland Conf. Abs. Papers 6(2):5-6. 1952. (Doc.5) 60.19 In86

21005 BURTON, G. W. Quantitative inheritance in grasses. Internatl. Grassland Conf. Abs. Papers 6(2): 7. 1952. (Doc.5) 60.19 In86

21006 CHALAUD, G. La sélection végétale. Ed. 2. Paris, Presses Universitaires de France, 1951. 126 p. ("Que Sais-Je?" Le Point des Connaissances Actuelles 219) 463.6 C35

21007 CLAASSEN, C. E. Inheritance of sterility, flower color, spinelessness, attached pappus and rust resistance in safflower, Carthamus tinctorius. Nebr. Agr. Expt. Sta. Res. B. 171,28 p. July 1952. 100 N27

21008 CLARK, J. B. Spontaneous mutations in bacteria. Okla. Acad. Sci. Proc. 32:46-49. Ref. Aug. 1952. 500 Ok42

21009 COMSTOCK, R. E., and ROBINSON, H. F. Genetic parameters: their estimation and significance. Internatl. Grassland Conf. Abs. Papers 6(2):10-11. 1952. (Doc.5) 60.19 In86

21010 DOBZHANSKY, T. Russian genetics. In American Association for the Advancement of Science. Soviet science, p.1-7. Washington, 1952. 330 Am34

21011 DORST, J C. Two remarkable bud-sports in the potato variety Rode Star. Euphytica 1:184-186. Oct.1952. 450 Eu6

21012 DUARTE, A. J. S. Biometric observations in the technique for improving rice by genetic selection. (In Portuguese.) Genét. Ibérica 3:47-103. Ref. 1951. 443.8 G28
English summary.

21013 FASSETT, N. C., and CALHOUN, B. Introgression between Typha latifolia and T. angustifolia. Evolution 6:367-379. Ref. Dec.1952. 443.8 Ev62

21014 GATES, R. R. Wild cabbages and the effects of cultivation. J. Genet. 51:363-372. Ref. Jan.1953. 442.8 J823

21015 GOUVÊA, J. M. S. DE. With the wheat geneticists. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(5):4-5. May 1952. 9.2 M663

21016 GRAUMANN, H. O. The polycross method of breeding in relation to synthetic varieties and recurrent selection of new clones. Internatl. Grassland Conf. Abs. Papers 6(A):15-16. 1952. (Doc.5) 60.19 In86

21017 HAGBERG, A., NYBOM, N., and GUSTAFSSON A. Allelism of erectoides mutations in barley. (Abs.) Hereditas 38:510-512. 1952. 442.8 H42

21018 HAGBERG, A. Heterosis in some crosses between populations of rye and red clover. (Abs.) Hereditas 38:506-510. Ref. 1952. 442.8 H42

21019 HÅKANSSON, A. Seed development after 2x, 4x crosses in Galeopsis pubescens. Hereditas 38:425-448. Ref. 1952. 442.8 H42

21020 HALL, M. T. A hybrid swarm in Juniperus. Evolution 6:347-366. Ref. Dec.1952. 443.8 Ev62

21021 HOEREE, J. Artificial mutation of orchids. (In Flemish.) Cult. en Handel 18:639-641. Nov.1952. 80 C892

21022 JOHNSON, I. J. Evaluating breeding materials for combining ability. Internatl. Grassland Conf. Abs. Papers 6(A):19. 1952. (Doc.5) 60.19 In86

21023 KELLER, W. Emasculation and pollination technics. Internatl. Grassland Conf. Abs. Papers 6(A): 22. 1952. (Doc.5) 60.19 In86

21024 KILKENNY, B. C., and HINSHELWOOD, SIR C. Changes in the growth characteristics of yeast on union of haploids, and segregation of haploids from diploids. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140:352-361. Nov.20,1952. 501 L84B

21025 LINDEGREN, C. C., and LINDEGREN, G. Proximity of genes controlling the fermentation of similar carbohydrates in Saccharomyces. Nature [London] 170:965-968. Ref. Dec.6,1952. 472 N21

21026 LOLADZE, V. R. Question concerning study of transmission to progeny of characteristics indicating yield. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:69-83. Ref. 1951. 95.9 Ak1
Russian summary.

21027 LOVE, A., and LOVE, D. The geobotanical significance of polyploidy. Internatl. Grassland Conf. Abs. Papers 6(A):27-28. 1952. (Doc.5) 60.19 In86

21028 LOVE, R. M. The value of induced polyploidy in breeding. Internatl. Grassland Conf. Abs. Papers 6(A):29-30. 1952. (Doc.5) 60.19 In86

21029 MAZZANI, B. Cruzamientos interespecificos en Sesamum. Agron. Trop. [Maracay] 2:15-22. Ref. Apr./June 1952. 26 Ag87
English summary.

21030 MURPHY, R. P. Comparison of different types of progeny in evaluating breeding behavior. Internatl. Grassland Conf. Abs. Papers 6(A):31-32. 1952. (Doc.5) 60.19 In86

21031 NIELSEN, E. L. Cytology in relation to breeding behavior in grasses. Internatl. Grassland Conf. Abs. Papers 6(A):33-34. 1952. (Doc.5) 60.19 In86

21032 PERLASCA, G. Algunos problemas genéticos y fisiológicos que condicionan la producción de cebolla en el Tropico. Agron. Trop. [Maracay] 2:23-30. Ref. Apr./June 1952. 26 Ag87
English summary.

21033 POMPER, S., and MCKEE, D. W. Flocculence in yeast. Science 117:62-63. Jan.16,1953. 470 Sci2

21034 POMPER, S. Isolation of triploid Saccharomyces cerevisiae. Nature [London] 170:892-893. Nov.22, 1952. 472 N21

21035 PORUTSKIĬ, ĬU. V., KHALABUDA, L. P., and ALEKSEENKO, R. D. Variation of anatomo-physiological characteristics in the progeny of vegetative hybrids [of apples] in relation to culture. (In Russian.) Agrobiologiia 5:67-74. Sept./Oct.1952. 20 Ag822

21036 RAGHAVAN, T. S. The genetical behaviour of Sclerostachya x Narenga hybrids and their back-crosses. Cur. Sci. 21:35-36. Feb.1952. 475 Sci23

21037 SAITO, K. Studies on inducing polyploid flower plants and their utilization. VII. A new segregation mode of double flowering plants in tetraploid stocks (Matthiola incana) and their utility. (In Japanese.) Hort. Assoc. Japan. J. 21:97-103. Ref. Sept.1952. 87 H78
English summary.

21038 SEVEROVA, A. I. Method of grafting used to obtain vegetative hybrids of conifers. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:152-166. Ref. 1951. 99.9 Ak1

21039 SMITH, D. C. Breeding for quality. Internatl. Grassland Conf. Abs. Papers 6(A):37-38. 1952. (Doc.5) 60.19 In86

21040 STEINEGGER, E. Versuche an amphidiploiden arzneipflanzen. (Sum.) Deut. Pharm. Gesell. Mitt. 22: 90. In Arch. der Pharm. 285(8). 1952. 396.8 Ar2A

21041 VASIL'CHENKO, I. T. Teachings of I. V. Michurin concerning importance of selection hybridization of wild flora. (In Russian.) Vsesoĭuzn. Soveshchanie Bot. i Selekerov. Mater. 1:9-28. Ref. 1950,pub.1951. 451 V963

21042 VSESOĬUZNOE SOVESHCHANIE BOTANIKOV I SELEKTSIONEROV, 1, LENINGRAD, 1950. Materialy, 24-27 marta 1950 g. [Proceedings of the First All-Union Conference of Botanists and Plant-Breeders, 24-27 March 1950], v. 1. Moskva,Akademiia Nauk SSSR,1951. 174 p. 451 V963

21043 WHALEY, W. G. Hybrid vigor in a tomato cross. Bot. Gaz. 114:63-72. Ref. Sept.1952. 450 B652

21044 WILLIAMS, W. Genetics of incompatibility Internatl. Grassland Conf. Abs. Papers 6(A):47-48. 1952. (Doc.5) 60.19 In86

PHYSIOLOGY

21045 ADELSTEIN, S. J., and others. The stimulation of yeast growth and respiration by compounds produced by yeast cells irradiated with ultraviolet light. J. Cell & Compar. Physiol. 40:269-278. Ref. Oct.1952. 444.8 J822
F. B. Hershey, J. R. Loofbourow, and I. W. Sizer, joint authors.

21046 AGARWALA, S. C. The effect of molybdenum and nitrate status on the carbohydrate and nitrogen metabolism of cauliflower plants in sand culture. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:70-77. Ref. 1952. 84 B77

21047 AGARWALA, S. C., and WILLIAMS, A. H. The effects of inter-relationships between molybdenum and nitrogen supply on the free amino-acid status of cauliflower plants grown in sand culture. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:66-70. 1952. 84 B77

21048 ALM, F. The effect of acetic acid on the oxidation of ascorbic acid in plant tissues. II. Various vegetables and fruits. Internatl. Z. f. Vitaminforsch. 24 (12):81-87. Ref. 1952. 389.8 Z33

21049 ANGULO CARPIO, M. D., and ORELLANA, E. Aportaciones para el estudio de las variaciones cromosómicas inducidas por ultrasonidos. Genét. Ibérica 3: 3-21. 1951. 443.8 G28
English summary.
Tests with Vicia faba.

21050 ARISZ, W. H. Transport of substances through the tentacles of leaves of Drosera capensis L. Nature [London] 170:932-933. Nov.29,1952. 472 N21

21051 ASANA, R. D. Plant physiology. Annu. Rev. Biochem. & Allied Res. India 22:18-27. Ref. 1951,pub. Sept.1952. 385 So13

21052 ASHBY, E. Research for plenty.2. Place in the sun. Gt. Brit. Min. Agr. Agriculture 59:401-405. Dec. 1952. 10 G79J
On the interception and storage of solar energy by plants.

21053 ATANASIU, N. Die wasserversorgung unserer kulturpflanzen in abhängigkeit von klima und boden. Deut. Wetterdienst in der US-Zone. Ber. 32:9-13. 1952. 345 G313

21054 AUDUS, L. J. The time factor in studies of growth inhibition in excised organ sections. J. Expt. Bot. 3:375-392. Sept.1952. 450 J8224
Effect of arsenate on peas.

21055 BAGDASARASHVILI, Z. G. Influence of certain salts upon the germination of seeds of Gruziyan grape varieties. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:99-124. Ref. 1951. 95.9 Ak1
Russian summary.
Saline soils.

21056 BALANSARD, J., and PELLISSIER, F. Etude comparée du marrubinate de magnésie et du marrubylmarrubinate de magnésie sur Saccharomyces cerevisiae Hans. Soc. de Biol. Compt. Rend. 146:1348-1350. Sept. 1952. 442.9 P21

21057 BANGA, O. Some factors in the growth rate of red garden beets. Euphytica 1:201-211. Oct.1952. 450 Eu6

21058 BARKER, J., and SAIFI, A. F. EL. Studies in the respiratory and carbohydrate metabolism of plant tissues. I.-II. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140:362-403. Ref. Nov.20,1952. 501 L84B

21059 BARNER, H. D., and CANTINO, E. C. Nutritional relationships in a new species of Blastocladiella. Amer. J. Bot. 39:746-751. Ref. Dec.1952. 450 Am36

21060 BARTON, L. V. Relation of different gases to the soaking injury of seeds. II. Boyce Thompson Inst. Contrib. 17:7-34. Ref. Oct./Dec.1952. 451 B69

21061 BAUMANN, H. Normen zur erfassung des witterungsablaufes im landwirtschaftlichen versuchswesen und erfassung der beziehung zwischen witterungsverlauf und ernteertrag. Deut. Wetterdienst in der US-Zone. Ber. 32:95-97. 1952. 345 G313

21062 BAUMEISTER, W. Mineralstoffe und pflanzenwachstum. Jena,Fischer,1952. 176 p. 463.34 B32

21063 BECKING L. G. M. B., and EVERSON, R. G. Early effects of growth substances. Nature [London] 170:1019. Dec.13,1952. 472 N21

21064 BENTLEY, J. A., HOUSLEY, S., and BICKLE, A. S. Studies on plant growth hormones. I-II. J. Expt. Bot. 3:393-423. Ref. Sept.1952. 450 J8224
I, Biological activities of 3-indolyl-acetaldehyde and 3-indolylacetonitrile, by J. A. Bentley, and S. Housley; II, Further biological properties of 3-indolylacetonitrile, by J. A. Bentley and A. S. Bickle.

21065 BERG, C. VAN DEN. De invloed van opgenomen zouten op de groei en productie van landbouwgewassen op zoute gronden. The influence of absorbed salts on growth and yield of agricultural crops on salty soils. 's-Gravenhage,Staatsdrukkerij,1952. 118 p. Ref. 57 B453
Proefschrift - Landbouwhogeschool, Wageningen.
English summary.

21066 BERG, C. VAN DEN. De invloed van opgenomen zouten op de groei en productie van landbouwgewassen op zoute gronden. The influence of absorbed salts on growth and yield of agricultural crops on salty soils. Netherlands. Dir. van de Landb. Verslagen van Landbk. Onderz. 58(5),118 p. Ref. 1952. 105.2 V61V
English summary.

21067 BERK, S. Radiation mutants of Aspergillus niger. Mycologia 44:723-735. Ref. Nov./Dec.1952. 450 M99

21068 BERTRAND, G. À propos de la lutte contre la décadence des cultures du poivrier en Indochine et en Extrême-Orient. Acad. des Sci. Compt. Rend. 235: 1262-1263. Nov.24,1952. 505 P21
Effect of minor elements.

21069 BEYERS, E., and JOUBERT, G. F. Mineral deficiencies in citrus in the Citrusdal area. Farming So. Africa 27:508-510. Nov.1952. 24 So842

21070 BLANEY, H. F. Evapo-transpiration by vegetative cover with particular reference to semi-arid areas. Internatl. Grassland Conf. Abs. Papers 6(G):5. 1952. (Doc.5) 60.19 In86

21071 BLEDSOE, R. W., and LIPSCOMB, R. W. The utilization of phosphorus by peanuts. South.Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophoshporus.South. Region 1951:8-9. 57.9 So84

21072 BOHMONT, D. W. Formative effects of shale oil on plant growth. (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 66. Oct.1952. 500 C717

21073 BOND, G. Some features of root growth in nodulated plants of Myrica gale L. Ann. Bot. (n.s.)16: 467-475. Oct.1952. 450 An7

21074 BONNET, J. A., RIERA, A. R., and ROLDAN, J. Tracing the mineral from the soil to the plant. V. Effect of lime and phosphorus on guinea, Merker, and Para-Carib grasses grown in association with tropical kudzu. P. R. U. J. Agr. 36:141-154. Apr.1952. 8 P832J

21075 BOON, J. VAN DER. The application of growth promoting substances in horticulture; a survey of the literature. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:829-842. Oct.1952. 86 N384
English summary.

21076 BORTHWICK, H. A. Photoperiodism—the dark secret; how nights and lights affect plant growth. Elect. Farm Mag. 26:11-13. Jan.1953. 335.8 EL27

21077 BOSE, D. M. Sensitivity in plants. Sci. & Cult. 18:161-164. Oct.1952. 475 Sci24

21078 BOSE, S. R. Alternaria within pericarp of wheat seed. Science 117(3027):16. Jan.2,1953. 470 Sci2
Alternaria considered a symbiont.

21079 BOTTINI, E., and MARSELLA, R. A contribution to the study of molybdenum as a micro-nutritive element. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1659-1681. Ref. 1952. 16 An76

21080 BOURNE, B. A., and HUNDERTMARK, B. W. A note on some effects of chlorophenyl dimethyl urea on sugar cane, with special reference to flowering. Sugar J. 15(7):28,33,40. Dec.1952. 65.8 Su391

21081 BOUYER, S., and COLLOT, L. Oligoéléments et arachide. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:77-88. Sept.1952. 26 F84B

21082 BREUER, W. Frostschäden im obstbau. Deut. Wetterdienst in der US-Zone. Ber. 32:74-77. 1952. 345 G313

21083 BROOK, P. J. Mycorrhiza of Pernettya macrostigma. New Phytol. 51:388-397. Ref. Nov.1952. 450 N42

21084 BROWN, D. S. Relation of irrigation practice to the differentiation and development of apricot flower buds. Bot. Gaz. 114:95-102. Sept.1952. 450 B652

21085 BROWN, E. O. The direct method and research. Assoc. Off. Seed Anal. News Let. 26(4):9-10. Nov.1952. 61.9 As7N
Seed testing.

21086 BROWN, J. M. B. Climate and soil in relation to beech growth in Britain. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:67-71. 1952. 99.9 G795Re

21087 BROWN, J. M. B. Influence of shade on the height,growth and habit of beech. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:62-67. 1952. 99.9 G795Re

21088 BUKATSCH, F. Ascorbinsäure-gehalt und atmungsintensität. Phyton [Horn] 4:35-45. Ref. July 10,1952. 450 P565

21089 CALDECOTT, R. S., and SMITH, L. A study of X-ray-induced chromosomal aberrations in barley. Cytologia 17:224-242. Ref. Oct.1952. 442.8 C99

21090 CARLES, J., SOUBIÈS, L., and GADET, R. Optimum végétatif et différenciation dans la tige du blé. Acad. des Sci. Compt. Rend. 235:1419-1421. Dec.1,1952. 505 P21

21091 CARPENTER, I. W. Iron deficiency in pin oak [Quercus palustris]. (Abs.) Ind. Acad. Sci. Proc. 61:67. 1951,pub.1952. 500 In2

21092 CHADEFAUD, M. Le pollen des Impatiences et la théorie de Wodehouse. Soc. Bot. de France. B. 99: 182-183. 1952. 451 F84B

21093 CHANDLER, W. V., and others. A description of a method to study root distribution by tracer techniques South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951: 31-39. 57.9 So84
G. H. M. Van Bavel, P. H. Reid, E. T. York, E. N. Scarborough, and N. H. Hall, joint authors.

21094 CHOUARD, P. Cultures sans sol. Paris, Maison Rustique,1952? 200 p. 90.15 C45

21095 COMBES, R., GERTRUDE, M. T., and LEVIGNE, G. Action du milieu aquatique et action de la lumière atténuée sur l'accumulation des minéraux chez les plantes amphibies. Rev. Gén. de Bot. 59:525-543. Nov.1952. 450 R326

21096 CRANE, J. C. Ovary-wall development as influenced by growth-regulators inducing parthenocarpy in the Calimyrna fig. Bot. Gaz. 114:102-107. Sept.1952. 450 B652

21097 DAVIDSON, F. F. Effects of growth substances on Rhizoclonium hieroglyphicum. Amer. J. Bot. 39:700-704. Dec.1952. 450 Am36

21098 DAVISON, R. M. Plant injury caused by several types of hormones. New Zeal. J. Agr. 85:319-320. Oct.15,1952. 23 N48J

21099 DILS, R. E., and DAY, M. W. The effect of precipitation and temperature upon the radial growth of red pine [Pinus resinosa]. Amer. Midland Nat. 48:730-734. Nov.1952. 410 M58

21100 DIKSHIT, N. N. Vernalization of peas. Cur. Sci. 21:48-49. Feb.1952. 475 Sci23

21101 DOUGLAS, J. S. Hydroponics; the Bengal system. Bombay,Oxford U. Press,1951. 147 p. 90.15 D74

21102 EDDY, W. H. Chlorophyll and derivatives. Drug & Cosmetic Indus. 71:758-759,844. Dec.1952. 396.8 D842

21103 EHRENBERG, L., and NYBOM, N. Chemical and biological effects of neutrons and X-rays. Hereditas 38:481-501. Ref. 1952. 442.8 H42
Experiments with barley seeds.

21104 EHRENBERG, L., and GRANHALL, I. Effects of beta-radiating isotopes in fruit trees. Hereditas 38: 385-419. Ref. 1952. 442.8 H42

21105 EISENZOPF, R. Ionenwirkungen auf die kutikuläre wasseraufnahme von koniferen. Phyton [Horn] 4:149-159. Ref. July 10,1952. 450 P565

21106 EL-AZZAZI, K. The effect of 2,4-dichlorophenoxyacetic acid and other similar substances upon phosphate metabolism in yeast. Ohio. State U. Abs. Doct. Diss. 63:47-48. 1952. 241.8 Oh3

21107 ELLISON, J. H., and JACOB, W. C. Internal browning of potatoes as affected by date of planting and storage. Amer. Potato J. 29:241-252. Oct.1952. 75.8 P842

21108 ENCKE, F. VON. Die stippenkrankheit der äpfel. Gart.-Z. Illus. Flora 75:126. Nov.1952. 80 G1991

21109 EPSTEIN, E. Mechanism of ion absorption by roots. Nature [London] 171:83-84. Jan.10,1953. 472 N21

21110 ERGLE, D. R., and MCILRATH, W. J. Response of the cotton plant to late and localized applications of maleic hydrazide. Bot. Gaz. 114:114-122. Ref. Sept.1952. 450 B652

21111 ERICKSON, L. C., and others. Responses of orange and grapefruit trees to maleic hydrazide. Bot. Gaz. 114:122-130. Sept.1952. 450 B652
B. L. Brannaman, H. Z. Hield, and M. D. Miller, joint authors.

21112 ERICKSON, L. C. Washington navel fruit drop; effects of 2,4-D on drop of sound and unsound oranges when sprays were applied in the late fall and winter. Calif. Agr. [Calif. Sta.] 6(11):7,15. Nov.1952. 100 C12Cag

21113 FARDY, A., CUZIN, J., and SCHWARTZ, D. Greffes de demi-embryons de Nicotiana sur plantules et sujets adultes. Inst. Expt. du Tabac. Ann. 1(3):133-137. May 1952. 69.9 B45

21114 FERRES, H. M. The effect of maleic hydrazide in delaying flowering and fruiting. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:40-42. 1952. 84 B77

21115 FOLKES, B. F., WILLIS, A. J., and YEMM, E. W. The respiration of barley plants. VII. The metabolism of nitrogen and respiration in seedlings. New Phytol. 51:317-341. Ref. Nov.1952. 450 N42

21116 FONDARD, L. Fructification et substances de croissance. Réveil Agr. 61:359. Dec.1,1952. 14 R322

21117 FOSTER, R. J., MCRAE, D. H., and BONNER, J. Auxin-induced growth inhibition a natural consequence of two-point attachment. Natl. Acad. Sci. Proc. 38:1014-1022. Ref. Dec.1952. 500 N21P
Experiment with Avena coleoptile.

21118 FRIES, N. Further studies on mutant strains of Ophiostoma which require guanine. J. Biol. Chem. 200:325-333. Ref. Jan.1953. 381 J824

21119 FUJII, K., and ASAHINA, T. Effects of chemicals on the discharge of spermatozoid of Isoëtes. Cytologia 17:191-200. Ref. Oct.1952. 442.8 C99

21120 FULLER, H. J., and WILSON, S. L. Root illumination and flowering. Science 116:688-689. Dec. 19,1952. 470 Sci2

21121 FULTS, J., PAYNE, M. G., and HAY, R. J. Interactions of maleic hydrazide and 2,4-dichlorophenoxy acetic acid as they affect skin color in Red McClure potatoes. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:67. Oct. 1952. 500 C717

21122 FURR, J. R., CURRLIN, E. C., and ARMSTRONG, W. W. Effects of water shortage during ripening and of nitrogen fertilization on yield and quality of Khadrawy dates. Date Growers' Inst. Rpt. 29:10-12. 1952. 81 D26

21123 FURR, J. R., and COOK, J. A. Nitrogen content of pinnae, fruit and seed of Deglet Noor and Kadrawy date palms as related to nitrogen fertilization. Date Growers' Inst. Rpt. 29:13-14. 1952. 81 D26

21124 GAEVSKAIA, N. S. Experiment in using fluorescent lamps for the culture of protococcal algae. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):35-41. Ref. 1952. 511 M85
Experiments with Scenedesmus acuminatus.

21125 GAMALII, G. M. Effect of seed vernalization and supplementary feeding of seedlings on yield and earliness of early cabbage. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1: 68-72. 1951. 106 Um1

21126 GARESTIER, R. Fructification et substances de croissance. B. des Engrais 345:170-172. (Cont.) Oct.1952. 57.8 B87

21127 GASKILL, J. O. Induction of reproductive development in young sugar beet seedlings. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:64-65. Oct.1952. 500 C717

21128 GAUSMAN, H. W. Some effects of certain plant growth substances and carbonic and thiocarbonic acid derivatives of hydrazine on maize. Urbana,1952. 4 p. 463.36 G23
Abstract of thesis - University of Illinois.

21129 GAUTHERET, R. Remarques sur l'emploi du lait de coco pour la réalisation des cultures de tissus végétaux. Acad. des Sci. Compt. Rend. 235:1321-1324. Nov.24,1952. 505 P21
With a note by R. Heim and R. Cailleux.

21130 GAVRIELIT-GELMOND, C. Experiments on dormancy of Lathyrus ochrus. Internatl. Seed Testing Assoc. Proc. 17:139-142. 1952. 61.9 In84P

21131 GILES, N. H., JR., BEATTY, A. V., and RILEY, H. P. The effect of oxygen on the production by fast neutrons of chromosomal aberrations in Tradescantia microspores. Genetics 37:641-649. Ref. Nov.1952. 442.8 G28

21132 GINNEKEN, P. J. H. VAN. De minerale samenstelling van loof en wortel van suikerbieten gedurende de groei [The mineral composition of tops and root of sugar beet during the growth period]. Inst. v. Ration. Suikerprod. Meded. 2,162 p. Oct.1952. 66.9 B45
English summary.

21133 GONCHAROV, A. G. Effect of short day during the yarovization period on increase of potato productivity. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:165-168. 1951. 511 T59

21134 GONZALEZ, C. A., CAMACHO C., C., and GUEVARA P., L. Informe preliminar sobre el efecto de zinc en la corrección de ciertas formas de crecimiento anormal del cafeto. Costa Rica. Min. de Agr. e Indus. Secc. de P. y Bibliot. B. Téc. 7,4 p. 1952. 8 C827

21135 GOVINDAN, P. R. The influence of boron on the yield and content of carbohydrate in tomato fruits. Cur. Sci. 21:14-15. Jan.1952. 475 Sci23

21136 HAAS, A. R. C. Rainfall distribution in citrus and walnut orchards. Citrus Leaves 33:6-8,32-33. Ref. Jan.1953. 80 C492

21137 HAAS, A. R. C. Sodium in Lisbon lemon trees grown in soil cultures. III. Citrus Leaves 32(12): 13-14. Dec.1952. 80 C492

21138 HAGEN, C. E., and JONES, V. V. Factors in the determination of the intracellular localization of enzymes. Bot. Gaz. 114:130-134. Ref. Sept.1952. 450 B652
Effect of pH of the sucrose medium on the catalase activity of wheat leaves.

21139 HAGEN, C. W. Factors affecting the "waterlogging" of excised sunflower roots cultivated in liquid media. (Abs.) Ind. Acad. Sci. Proc. 61:68. 1951,pub. 1952. 500 In2

21140 HAGER, O. Importancia de los elementos menores en la agricultura. Campesino [Santiago] 84(10): 31. Oct.1952. 9.3 So12
In plant nutrition.

21141 HAGIN, J. The active lime content of soil as a factor in the development of chlorosis. Israel. Res. Council. B. 2:138-146. Ref. Sept.1952. 330.9 Is72B
In fruit.

21142 HALLEMANS, A. Some considerations. (In Flemish.) Cult. en Handel 18:634-635. Nov.1952. 80 C892
Deficiency diseases of fruit.

21143 HARLEY, J. L., and MCCREADY, C. C. The uptake of phosphate by excised mycorrhizal roots of the beech. III. New Phytol. 51:342-348. Nov.1952. 450 N42

21144 HÄRTEL, O., and WEBER, F. Fluoreszenzmikrochemische beobachtungen am saft der schlauchzellen von Mimosa. Phyton [Horn] 4:55-58. July 10, 1952. 450 P565

21145 HAUDE, W. Zur möglichkeit nachträglicher bestimmung der wasserbeanspruchung durch die luft und ihrer nachprüfung an hand von tropfversuchen und abflussmessungen. Deut. Wetterdienst in der US-Zone. Ber. 32:27-34. 1952. 345 G313
Includes discussion.

21146 HERRERO EGAÑA, M. Proceso de asimilación del nitrógeno por el naranjo. Spain. Inst. Nac. de Invest. Agron. An. 1:217-224. Sept.1952. 15 Sp18

21147 HEWITT, E. J., and BOLLE-JONES, E. W. The effects of zinc and copper deficiencies on crop plants grown in sand culture. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:58-62. 1952. 84 B77

21148 HEWITT, E. J., and BOLLE-JONES, E. W. Investigations on possible micronutrient elements for higher plants. I. Experiments with cobalt, nickel and gallium in sand culture. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:62-66. Ref. 1952. 84 B77

21149 HEWITT, E. J. Molybdenum as a plant nutrient. III. The effects of molybdenum deficiency on potato, carrot, radish and some other crops. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:54-57. 1952. 84 B77

21150 HITCHCOCK, A. E., and ZIMMERMAN, P. W. Response of tomato plants to treatment with 2,4-dichlorophenoxyacetic acid in combination with indoleacetic acid and certain other compounds. Boyce Thompson Inst. Contrib. 17:35-55. Ref. Oct./Dec.1952. 451 B69

21151 HITIER, H., and IZARD, C. Action combinée de la chaleur et de l'humidité sur le pouvoir germinatif des graines de Nicotiana tabacum L.:obtention de mutations expérimentales. Inst. Expt. du Tabac. Ann. 1(3): 87-99. May 1952. 69.9 B45

21152 HITIER, H., and IZARD, C. Contribution à l'étude de l'action mutagéne de l'essence de moutarde; essais sur N. tabacum L. et Allium cepa L. Inst. Expt. du Tabac. Ann. 1(3):101-116. May 1952. 69.9 B45
Allyl isosulfocyanate.

21153 HOCQUETTE, M., MONTREUIL, J., and PAUL, S.. Variations quantitatives du phosphore total, du phosphore des acides ribo- et désoxyribo-nucléiques dans l'axe hypocotylé de Phaseolus vulgaris au cours de la germination normale, du jeûne glucidique après ablation des cotylédons et de la régénération cellulaire. Acad. des Sci. Compt. Rend. 235:1525-1527. Dec.10,1952. 505 P21

21154 HUMPHRIES, E. C. The absorption of ions by excised root systems. III. Observations on roots of pea plants grown in solutions deficient in phosphorus, nitrogen, or potassium. J. Expt. Bot. 3:291-309. Ref. Sept.1952. 450 J8224

21155 IAKOVLEVA, V. B. Increasing the nectar content and seed productivity of clover, alfalfa and other plants by application of boron fertilizers. (In Russian.) Pchelovodstvo 29(7):37-38. July 1952. 424.8 P295
Spraying with nutrient solutions.

21156 IBAÑEZ MARCÓ, D., and JORDI GONZÁLEZ, R. Influencia de las fito-hormonas en el desarrollo de los vegetales. Inst. Agr. Catalán de San Isidro. Rev. 101: 177-184. (Cont.) Aug.1952. 15 Sa5

21157 IIJIMA, T. On the physiology and utilization of vitamin B_1 in garden crops. I. The effect of vitamin B_1 on the germination of kidney beans. (In Japanese.) Hort. Assoc. Japan. J. 21:117-122. Ref. Sept.1952. 87 H78

21158 IKUTAKE, M. On seed stalk development, flowering, and fruiting of edible burdocks. (In Japanese.) Hort. Assoc. Japan. J. 21:93-96. Sept.1952. 87 H78
English summary.

21159 ISHIJIMA, C. Cytological study of penicillin formation by Penicillium. I. (In Japanese.) J. Antibiotics 5:637-642. Ref. Nov.1952. 396.8 J824
English summary.

21160 JACOBSOHN, K. P., and ROSADO, J. M. Etudes sur la thiaminase des champignons. Soc. de Biol. Compt. Rend. 146:1454-1456. Sept.1952. 442.9 P21

21161 JAMES, W. O., and GARTON, N. The use of sodium diethyldithiocarbamate as a respiratory inhibitor. J. Expt. Bot. 3:310-318. Ref. Sept.1952. 450 J8224

21162 JENSEN, L. A. A plea for help on a problem in testing Merion bluegrass. Assoc. Off. Seed Anal. News Let. 26(4):5-6. Nov.1952. 61.9 As7N
Seed analysis.

21163 JOHNSON, V. A. Factors affecting plant height in winter wheat. Nebr. U. Abs. Doct. Diss. 13:21-25. 1952. 241.8 N28

21164 JOHNSTON, H. W. Plant hormones: with special reference to weed control. New Zeal. Sci. Rev. 10:62-68. May 1952. 475 N48

21165 KAWATEI, K., and TUCHIYA, T. On some phenomena accompanied by the aging of seed potatoes. (In Japanese.) Hort. Assoc. Japan. J. 21:76-80. Ref. Sept.1952. 87 H78
English summary.

21166 KING, J. W. The effect of forced aeration on the longevity of Laminaria. Rhodora 54:288-289. Nov. 1952. 450 R34

21167 KLEIN, R. M., and KLEIN, D. T. Effects of maleic hydrazide on initiation and development of tomato crown-gall tumors. Amer. J. Bot. 39:727-730. Ref. Dec.1952. 450 Am36

21168 KLEIN, R. M., and LINK, G. K. K. Studies on the metabolism of plant neoplasms. V. Auxin as a promoting agent in the transformation of normal to crown-gall tumor cells. Natl. Acad. Sci. Proc. 38:1066-1072. Ref. Dec.1952. 500 N21P

21169 KNOOP, F. Testing plants for mineral deficiencies. Poona Agr. Col. Mag. 43:30-31. June 1952. 22 P72

21170 KOCHERZHENKO, I. E., KHOLODNYI, N. G., and SHUMAKOVA, R. R. Physiological experiments in increasing the frost resistance and crop of citrus. (In Russian.) Glav. Bot. Sad. Trudy 2:26-58. 1951. 451 M854T

21171 KOFRANEK, A. M. Artificial lighting tests on feverfew, marguerites. South. Florist & Nurseryman 65(39):87-89. Dec.19,1952. 80 So86
Chrysanthemum parthenium and C. frutescens.

21172 KORZUNETSKAIA, N. Effect of root excretions of couch grass and alfalfa-ryegrass mixture on growth and development of apple wildings. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh. Nauch.-Issled. Rabot 1:30-32. 1951. 106 Um1

21173 KRASOCHKIN, V. T. Characteristics of the biological cycle of development in varieties and hybrids of beets. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:22-39. Ref. 1951. 451 R92

21174 KUL'TIASOV, M. V. Drought resistance of dog roses on the Kopet Dagh [ridge]. (In Russian.) Glav. Bot. Sad. Trudy 2:159-167. 1951. 451 M854T
Rosa canina.

21175 LAMPE, C. H. Mangan-mangelerscheinungen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1994-1995. Dec.4,1952. 18 L2346
In plants.

21176 LANCE, C., and GAUTHERET, R. Sur la pérennité des propriétés tumorales des tissus de crown-gall et des tissus ayant subi le phénomène d'accoutumance aux auxines. Acad. des Sci. Compt. Rend. 235:1682-1684. Dec.22,1952. 505 P21

21177 LANSING, A. I., and ROSENTHAL, T. B. The relation between ribonucleic acid and ionic transport across the cell surface. J. Cell & Compar. Physiol. 40:337-345. Ref. Oct.1952. 444.8 J822
Tests with Elodea canadensis.

21178 LAVRINENKO, D. D. Effect of drought on [Siberian] larch in the new oak groves of the forest-steppe in Ukrainian SSR. (In Russian.) Lesn. Khoz. 5 (6):47-50. June 1952. 99.8 L5622

21179 LECAT, and SOSA-BOURDOUIL. Mesure de l'absorption foliaire par l'emploi du phosphore radioactif P^{32}. Acad. d'Agr. de France. Compt. Rend. 39:665-667. Nov.5/12,1952. 14 P215Bc

21180 LEHMANN, P. Eingriffe in den wärmehaushalt oberirdischer pflanzenorgane. Deut. Wetterdienst in der US-Zone. Ber. 32:67-70. 1952. 345 G313

21181 LEONTI, F. Ultrasonic waves in the development of plants. (In Italian.) Italia Agr. 89:754-761. Ref. Nov.1952. 16 It1
Experiments with corn.

21182 LEOPOLD, A. C. Auxins in floral initiation. Internatl. Grassland Conf. Abs. Papers 6(D):9. 1952. (Doc.5) 60.19 In86

21183 LEWIS, D. Serological reactions of pollen incompatility substances. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140:127-135. Ref. Aug.27,1952. 501 L84B

21184 LINDBERG, J. E., and ALBERTSSON, C. E. Investigations concerning yellow and green husk color of rye for milling. (In Swedish.) Sveriges Utsädesför. Tidskr. 62:349-350. 1952. 61.9 Sv23

21185 LINSKENS, H. F. On the influence of E605 on the course of swelling. Höfchen-Briefe 5:33-35. 1952. 464.8 H67
Germination tests.

21186 LOPEZ, A. The action of maleic hydrazide on cotton leaves and stems. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:66-67. Oct.1952. 500 C717

21187 LUGO-LÓPEZ, M. A., and GRANT, R. Preharvest foliage sprays of sugarcane with 2,4-D. P. R. U. J. Agr. 36:187-193. July 1952. 8 P832J

21188 LYONS, J. C. The influence of uppermost axillary shoots and plant growth substances on the development of the lower axillary shoots of dent corn. Urbana,1952. 3 p. 463.36 L992
Abstract of thesis - University of Illinois.

21189 MCANELLY, C. W., and THOMAS, W. D. Variable sensitivity of different strains of Fusarium species toward fungicides. (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 72-73. Oct.1952. 500 C717

21190 MCCOY, T. A. The effects of potassium on the B vitamin content of oats. Okla. Acad. Sci. Proc. 32:96-99. Ref. Aug.1952. 500 Ok42

21191 MCKINNEY, H. H., SPECHT, A. W., and STANTON, T. R. Certain factors affecting chlorophyll degeneration and pigmentations in oats and other grasses. Plant Dis. Rptr. 36:450-458. Ref. Dec.15,1952. 1.9 P69P

21192 MADER, W. Keimung colchicinierter Marchantia-sporen. Phyton [Horn] 4:109-120. Ref. July 10, 1952. 450 P565

21193 MADER, W. Nährsalzmangel-kulturen von Marchantia polymorpha. Phyton [Horn] 4:124-131. July 10,1952. 450 P565

21194 MASUYAMA, J., and HAMADA, M. Plant death by heat action. Kyoto U. Col. Agr. Mem. 64,10 p. Jan. 1952. 107.6 K994

21195 MATHEW, K. T. Growth-factor requirements of Pellicularia koleroga Cooke in pure culture. Nature [London] 170:889-890. Nov.22,1952. 472 N21

21196 MAZUR, E. G., and IVANCHENKO, Z. V. In regard to studying the phenology of the apple tree. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:33-44. 1951. 106 Um1

21197 MEDINETS, V. D. Structure of crop plant viewed from its formation during various phases of growth. (In Russian.) Selek. i Semen. 19(10:22-27. Oct. 1952. 61.9 Se5
Chiefly barley and wheat.

21198 MEDVEDENKO, I. T., and LAKTIONOVA, T. S. Effect of dry scale removal in onion on yields of seeds and on obtaining a second crop of bulbs. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:60-64. 1951. 106 Um1

21199 MENZEL, M. Y., and BROWN, M. S. Viable deficiency-duplications from a translocation in Gossypium hirsutum. Genetics 37:678-692. Ref. Nov.1952. 442.8 G28

21200 METZ, L. J. Calcium content of hardwood litter four times that from pine; nitrogen double. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 14,2 p. July 1952. 1.9622 S4R312

21201 MEYER, B. S., and ANDERSON, D. B. Plant physiology. Ed. 2. New York,Van Nostrand,1952. 784 p. Ref. 463.3 M572

21202 MIDDLETON, J. T., and others. Adaxial crack stem of celery. Phytopathology 42:603-606. Ref. Nov.1952. 464.8 P56

B. J. Hall, R. T. Wedding, and J. B. Kendrick, Jr., joint authors.

Induced by boron deficiency.

21203 MOMMERS, J. F. A. M. Significance of the honeybee for pollination. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:586-593. Aug./Sept.1952. 86 N384

English summary.

21204 MOORE, M. H., and BENNETT, M. Scab, canker, and branch blister of apple at East Malling in relation to nutritional treatment of the host. Ann. Appl. Biol. 39:588-598. Dec.1952. 442.8 An72

21205 MOSCHLER, W. W., RICH, C. I., and OBENSHAIN, S. S. Utilization of seed phosphorus by oats. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus. South. Region 1951:70-71. 57.9 So84

21206 MOURAVIEFF, I. Action prolongée de l'eau et des acides naphthylacétique et indolacétique sur l'appareil stomatique isolé. Acad. des Sci. Compt. Rend. 235:1328-1329. Nov.24,1952. 505 P21

21207 MÜLLER, W. Beiträge zur nachreife und lichtkeimung von Cruciferensamen. Angew. Bot. 26: 181-190. Ref. Aug.1952. 450 An4

21208 MUNSTER, J. L'influence de produits inhibant la germination sur la valeur culturale des plants de pommes de terre. Landwirt. Jahrb. der Schweiz 66:1047-1053. 1952. 17 L23

21209 MYERS, L. F. The toxicity of oil herbicides to Paspalum dilatatum Poir.: effect of composition of the oil. Austral. J. Agr. Res. 3:372-384. Ref. Oct.1952. 23 Au783

21210 NELLER, J. R., HUTTON, C. E., and LUNDY, H. W. Utilization of superphosphate and rock phosphate by forage crops. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus. South. Region 1951:10-14. 57.9 So84

21211 NETIEN, G., HUTINEL, P., and SOTTY, O. Action de l'auréomycine et de la terramycine sur la biogénèse de la chlorophylle au cours de la germination. Soc. de Biol. Compt. Rend. 146:1337-1339. Sept.1952. 442.9 P21

21212 NETIEN, G., CARRAZ, M., and SOTTY, L. De l'action comparée de la streptomycine et de la dihydrostreptomycine sur la croissance de tissus de carotte cultivés in vitro. Soc. de Biol. Compt. Rend. 146: 1339-1341. Sept.1952. 442.9 P21

21213 NICHOLAS, D. J. D., and FISHER, D. J. The manganese status of cereal crops in relation to yield of grain and straw. I. Field experiment on oats. 1949 and 1950. Bristol U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951: 77-87. Ref. 1952. 84 B77

21214 NICHOLAS, D. J. D., and FORSTER, W. A. Some effects of metals in excess on crop plants grown in soil culture. III-IV. Bristol. U Agr. & Hort. Res. Annu. Rpt. 1951:87-112. Ref. 1952. 84 B77

III, Effects of cobalt, nickel and zinc on growth, metal and chlorophyll contents of tomato, by D. J. D. Nicholas; IV, Effects of copper on mineral status of crop plants, by W. A. Forster.

21215 NIELSEN, E. L., and SMITH, D. C. Interrelations of selected plant characters in Kentucky bluegrass (Poa pratensis L.) Bot. Gaz. 114:53-62. Ref. Sept.1952. 450 B652

21216 NOVICK, A., and SZILARD, L. Anti-mutagens. Nature [London] 170:926-927. Nov.29,1952. 472 N21

Action of purine derivatives on bacteria.

21217 OLMSTED, C. E. Photoperiodism in native range grasses. Internatl. Grassland Conf. Abs. Papers 6(D):10. 1952. (Doc.5) 60.19 In86

21218 O'ROURKE, F. L. The effect of juvenility on plant propagation. Natl. Hort. Mag. 31:278-282. Ref. Oct.1952. 80 N216

21219 OWEN, P. C. The relation of water absorption by wheat seeds to water potential. J. Expt. Bot. 3: 276-290. Ref. Sept.1952. 450 J8224

21220 PACHLEWSKI, R. Les observations sur le développement des mycorhizes chez quelques arbres fruitiers dégénérés dans les pépinières des Jardins de Kórnik. (In Polish.) Soc. Bot. Polon. Acta 21:577-590. 1952. 451 So16

French summary.

21221 PAGE, R. M. The effect of nutrition on growth and sporulation of Pilobolus. Amer. J. Bot. 39:731-739. Ref. Dec.1952. 450 Am36

21222 PARRY, D. W. A growth interaction between β-indolylacetic acid and thiourea (thiocarbamide). Nature [London] 170:1074. Dec.20,1952. 472 N21

21223 PATIL, S. S. Scope of hormones in the use of increasing crop yields. Poona Agr. Col. Mag. 43:7-14. Ref. June 1952. 22 P79

21224 PERLMAN, D. Physiological studies on the Actinomycetes. Bot. Rev. 19:46-97. Ref. Jan.1953. 450 B6527

21225 PERLOVA, R. L. Biological characteristics of different types of potatoes. (In Russian.) Glav. Bot. Sad. Trudy 2:217-263. Ref. 1951. 451 M854T

21226 PETERSEN, J. Artificial light for cucumbers-better assimilation. (In Danish.) Gart.-Tid. 68:467-468. Dec.1,1952. 80 G192

21227 PEYNAUD, E. Etude de l'inhibition de Saccharomyces cerevisiae par l'actidione. Acad. des Sci. Compt. Rend. 235:1163-1165. Nov.10,1952. 505 P21

21228 PIERPOINT, M. A problem in germination of crimson clover. Assoc. Off. Seed Anal. News Let. 26(4): 4. Nov.1952. 61.9 As7N

21229 PILIPENKO, F. S. Biology of Eucalyptus blooming. (In Russian.) Glav. Bot. Sad. Trudy 2:3-25. Ref. 1951. 451 M854T

21230 PORZER, W. Vitalfärbungsstudien an lebermoosen. I. Phyton [Horn] 4:203-214. Ref. July 10,1952. 450 P565

21231 PRINGSHEIM, E. G. La synthèse de l'amidon chez les leucophytes—a reply. New Phytol. 51:415-416. Nov.1952. 450 N42

21232 PURVIS, O. N. The physiology of flower differentiation in grasses. Internatl. Grassland Conf. Abs. Papers 6(D):13-14. 1952. (Doc.5) 60.19 In86

21233 QUARTAROLI, A. On some flocculating substances of enormous activity contained in the seed and their physiological functions. (In Italian.) Georgofili (ser.6)16:120-130. 1952. 507 F51

21234 RANGACHARLU, V. S., and RAO, I. K. S. "Oleification" of fig and its effect on fruit maturity. Sci. & Cult. 18:244-245. Nov.1952. 475 Sci24

Olive oil and sesame oil used.

21235 RATNER, E. I., and AKIMOCHKINA, T. A. Utilization of the isotope method in studying the rate of assimilation by plants of fertilizer variously situated in the soil in relation to the planted seeds. (In Russian.) Akad. Nauk SSSR. Dok. 86:857-860. Oct.1,1952. 511 P444A

Effect of radioactive phosphorus on oats.

21236 RAWSON, J. M. Nutrition of the African violet. African Violet Mag. 6(2):37-40. (Concl.) Ref. Dec.1952. 80 Af8

21237 REED, R. M. Relation of leaf analysis of the corn plant to yield and chemical composition of the grain. Urbana,1952. 3 p. 463.34 R25

Abstract of thesis - University of Illinois.

21238 RENIER, A. Teneur en nicotine, durée d'insolation et intensité de radiations. Inst. Expt. du Tabac. Ann. 1(3):71-76. May 1952. 69.9 B45

21239 ROBERTS, M. H. Some aspects of microclimatology. Farming So. Africa 27:437-440. Sept.1952 24 So842

21240 RODKIEWICZ, B. Observations sur la soudure des tissus de la racine de carotte cultivés in vitro. (In Polish.) Soc. Bot. Polon. Acta 21:789-801. Ref. 1952. 451 So16

French summary.

21241 ROHMEDER, E. Der jahreszeitliche verlauf des höhenwachstums früh- und spättreibender fichten. Forstwiss. Centbl. 71:368-372. Nov./Dec.1952. 99.8 F775

21242 ROHRBACH, H. Uber den gebrauch der wuchsstoffe in USA. Deut. Baumsch. 4:285-288. Oct.1952. 80 D486

21243 ROLLEN, A. Action de la brucine sur la division cellulaire chez l'Allium cepa L. Soc. Bot. de France B. 99:175-178. 1952. 451 F84B

21244 ROSS, W. M. Studies on earliness in Avena sativa. Urbana,1952. 3 p. 463.5 R732
Abstract of thesis - University of Illinois.

21245 ROTHSTEIN, A., and BERKE, H. Effects of 2,4-dinitrophenol concentrations on rates of respiration and fermentation of yeast. Soc. Expt. Biol. & Med. Proc. 81:559-563. Ref. Nov.1952. 442.9 So1

21246 ROTOR, G. B. Daylength and temperature in relation to growth and flowering of orchids. N. Y. (Cornell) Agr. Expt. Sta. B. 885,47 p. Ref. Oct.1952. 100 N48C

21247 RUGE, U. Ertragssteigerung bei tomaten und bohnen, bedingt durch eine blütenspritzung mit hexachlorcyclohexan. Angew. Bot. 26:130-138. Aug.1952. 450 An4

21248 RUGE, U. Uber die steigerung der keimfähigkeit alten saatgutes mit hilfe von äthylenchlorhydrin. Angew. Bot. 26:162-165. Aug.1952. 450 An4

21249 RYGH, O. Recherches sur les oligo-éléments. VI. L'influence d'engrais additionné d'oligo-éléments sur la quantité de vitamine R et d'acide L. ascorbique chez les plantes. Soc. de Chim. Biol. B. 34:828-830. 1952. 383 So1

21250 SALZER, E. H. Die hydrokultur-nährlösung. Tech. f. Bauern u. Gärt. Ausg. G 4:494-495. Nov.10, 1952. 58.8 T223G

21251 SAMUELS, G., LUGO LÓPEZ, M. A., and LANDRAU, P., JR. Factors affecting the sucrose content of sugarcane: fertilizers. P. R. U. J. Agr. 36:194-202. July 1952. 8 P832J

21252 SAN ANTONIO, J. P. The role of coumarin in the growth of roots of Melilotus alba. Bot. Gaz. 114:79-95. Ref. Sept.1952. 450 B652

21253 SARACHEK, A., and TOWNSEND, G. F. The disruption of mitochondria of Saccharomyces by ultraviolet irradiation. Science 117:31-33. Ref. Jan.9,1953. 470 Sci2

21254 SAUTHOFF, W. Uber stoffwechselprodukte bei Botrytis cinerea Pers. Phytopath. Z. 19:483-484. Sept.1952. 464.8 P562

21255 SCHAD, C., and GRENTE, J. Le dépérissement du pommier. Acad. d'Agr. de France. Compt Rend. 39:571-574. Oct.8/15,1952. 14 P215Bc

21256 SCHANDER, H. Untersuchungen über umweltbedingte eigenschaften des samens und keimlings von apfel und birne. Angew. Bot. 26:165-180. Aug.1952. 450 An4

21257 SCHENK, P. J. Growths on the roots of Elaegnus. (In Flemish.) Cult. en Handel 18:650-651. Nov.1952. 80 C892
Mycorhiza.

21258 SCHMIDT, J. W. Thermal-neutron induced effects in F1 maize plants. Nebr. U. Abs. Doc. Diss. 13:37-44. 1952. 241.8 N28

21259 SCHOLANDER, P. F., and others. Respiration in some Arctic and tropical lichens in relation to temperature. Amer. J Bot. 39:707-713. Ref. Dec.1952. 450 Am36
W. Flagg, V. Walters, and L. Irving, joint authors.

21260 SCHWABE, W. W. Factors controlling flowering in the Chrysanthemum. III. Favourable effects of limited periods of long day on inflorescence initiation. J. Expt. Bot. 3:430-436. Sept.1952. 450 J8224

21261 SCHWARTZ, D., FARDY, A., and CUZIN, J. Nouvelles expériences de défoliation: influence des diverses feuilles sur les fonctions de l'apex chez Nicotiana tabacum. Inst. Expt. du Tabac. Ann. 1(3):45-60. May 1952. 69.9 B45

21262 SEMENZA, F. Influence of the optically active isomers of CAF [Chloramphenicol] on Lupinus albus. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:731-735. Apr.1952. 442.8 So12

21263 SHANTZ, E. M., and STEWARD, F. C. Coconut milk factor: the growth-promoting substances in coconut milk. Amer. Chem. Soc. J. 74:6133-6135. Dec.5,1952. 381 Am33J

21264 SHARP, E. L., and SMITH, F. G. The influence of pH and zinc on vesicle formation in Puccinia coronata avenae Corda. Phytopathology 42:581-582. Nov.1952. 464.8 P56

21265 SHUEL, R. W., and PEDERSEN, M. W. The effect of environmental factors on nectar secretion as related to seed production. Internatl. Grassland Conf. Abs. Papers 6(F):33-34. 1952. (Doc.5) 60.19 In86
Chiefly legumes.

21266 SIEGEL, S. M. Secretion of phosphorylase by Red Kidney bean embryos. Bot. Gaz. 114:139-141. Sept. 1952. 450 B652

21267 SIMONDS, A. O., SCHAAL, L. A., and JOHNSON, G. Effect of chemical compounds on suberin formation in cut potato tubers. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:69. Oct.1952. 500 C717
Effects of Dithane Z-78, chlorogenic acid and catechol.

21268 SIVADJIAN, J. Recherches sur la transpiration des plantes par la méthode hygrophotographique. Soc. Bot. de France. B. 99:138-141. 1952. 451 F84B

21269 SIZOVA, M. A. Anatomic structure of the blossom and seeds in different potato varieties. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:102-112. Ref. 1951. 451 R92

21270 SKELDING, A. D., and REES, W. J. An inhibitor of salt absorption in the root tissues of red beet. Ann. Bot. (n.s.) 16:513-529. Ref. Oct. 1952. 450 An7
Manganese chloride used in tests.

21271 SOUTHERN SOIL RESEARCH COMMITTEE. PHOSPHORUS SUBCOMMITTEE. A summary of field and greenhouse experiments with radiophosphorus; southern region. n.p.,1951. 71 p. 57.9 So84
Joint undertaking between nine Southern State agricultural experiment stations and the Bureau of Plant Industry, Soils and Agricultural Engineering.

21272 STAHL, C. Viability of Danish grown seed analyzed since July 1, 1952. (In Danish.) Dansk Frøavl 36:5-7. Jan.1,1953. 61.8 D23

21273 STANISLAS, E., and BERGAL, G. Sur les effets biologiques du S-gaiazulène; action sur les végétaux. Ann. Pharm. Franç. 10:535-553. Ref. July/Aug. 1952. 396.8 An7

21274 STARCHENKO, I. I. Peculiarities of growth and fruit-bearing of English oak [Quercus robur] in the oak groves of the Volga area. (In Russian.) Lesn. Khoz. 5(7):48-50. July 1952. 99.8 L5622

21275 STEINECK, O. Untersuchungen an "durchwachsenen" kartoffelknollen. Pflanzenschutzberichte 9:80-99. Ref. Oct.1952. 464.9 P48
English summary.

21276 STEINER, A. A. Hydroponics. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:804-809. Oct.1952. 86 N384
English summary.

21277 STEWARD, F. C., and CAPLIN, S. M. Investigations on growth and metabolism of plant cells. III-IV. Ann. Bot. (n.s.)16:477-504. Ref. Oct.1952. 450 An7

21278 STEWART, I., and LEONARD, C. D. Molybdenum—the 12th addition to the list of citrus nutrients. Citrus Mag. 15(5):35-38. Jan.1953. 80 C498

21279 STILES, W. The mechanism of photosynthesis. Amer. Sci. 41:66-74. Jan.1953. 470 Si2

21280 STOKES, P. A physiological study of embryo development in Heracleum sphondylium L. II. The effect of temperature on after-ripening. Ann. Bot. (n.s.)16: 571-576. Oct.1952. 450 An7

21281 STOLP, D. W. The utilisation of the water resources in horticulture. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:693-712. Ref. Aug./Sept. 1952. 86 N384
English summary.

21282 SUBLETT, T. H., and MCCOY, T A. Some effects of the application of urea on amino acid composition of Johnson grass. Okla. Acad. Sci. Proc. 32:84-88. Aug.1952. 500 Ok42

21283 SUKACHEV, V. N. Theoretical questions of afforestation in a steppe. (In Russian.) Les i Step' 4(8): 11-22. Aug.1952. 99.8 L565
Plant physiology.

21284 ŚWIEŻYŃSKI, K. Influence of young leaves on the growth of lateral shoots in potato. (In Polish.) Soc. Bot. Polon. Acta 21:771-788. Ref. 1952. 451 So16
English summary.

21285 SWINK, F. A. A phenological study of the flora of the Chicago region. Amer. Midland Nat. 48:758-768. Nov.1952. 410 M58

21286 TAMIYA, H. A new interpretation of the Weber law and the Weiss law. Some additions to our knowledge of comparative physiology of irritability. Cytologia 17:243-269. Ref. Oct.1952. 442.8 C99
Includes plants.

21287 TANADA, T. Effect of oxygen concentration on the sensitivity of barley seedlings to gamma rays. Amer. J Bot. 39:705-706. Ref. Dec.1952. 450 Am36

21288 TAVADZE, P. G. Influence of agricultural technique upon the pigment content in grape leaves. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):31-33. May 1952. 95.8 V77

21289 TAVADZE, P. G. Influence of agricultural technique upon the water regime of grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):29-32. June 1952. 95.8 V77

21290 THOMAS, B. O., and OLIVE, J. R. Seasonal periodicity of some phytoplankters in College Lake, Colorado. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:92-93. Oct.1952. 500 C717

21291 THOMPSON, F. C., CRIPPS, E. G., and WATSON, G. A. The effect of soil acidity on the growth of hops. I. Wye Col. Dept. Hop Res. Annu. Rpt. 1951: 24-28. 1952. 70.9 W972

21292 THOMPSON, F. C., and BURGESS, A. H. Influence of mineral nutrition on the resin content of the hop cone. Nature [London] 170:890. Nov.22,1952. 472 N21

21293 THRONEBERRY, G. O., and SMITH, F. G. The effect of triphenyltetrazolium chloride on oat embryo respiration. Science 117(3027):13-15. Ref. Jan.2, 1953. 470 Sci2

21294 TISSERANT, R. P. C., and SILLANS, R. À propos de la déhiscence des capsules chez le Tisserantodendron R. Sillans. Soc. Bot. de France. B. 99:173-174. 1952. 451 F84B

21295 TITRUD, O. G., and HOLCH, A. E. A comparison of the sensitivity of young plants of Mimosa pudica to light with their sensitivity to touch. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:65. Oct.1952. 500 C717

21296 TIURIN, A. V. Seasonal development of oak [Quercus robur] in European U.S.S.R. (In Russian.) Lesn. Khoz. 5(7):45-47. July 1952. 99.8 L5622

21297 TOLNER, J. Trace elements in agriculture and livestock raising. (In Dutch.) Friese Platteland 7 (393):4-5. Oct.29,1952. 12 On72

21298 TOLNER, J. Trace elements in farming and livestock raising. (In Dutch.) Landbode 6(43):12. Oct. 30,1952. 12 L234

21299 TSINGER, N. V. Reasons for slow germination of Paeonia seeds. (In Russian.) Glav. Bot. Sad. Trudy 2: 103-145. Ref. 1951. 451 M854T

21300 TURKOVA, N. S. Importance of the oxidizing system of tissues for the vertical orientation of plant organs. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):76-84. Ref. 1952. 511 M85

21301 TWOMEY, J. A. Factors affecting the growth of Fusarium oxysporum f. betae. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:73-74. Oct.1952. 500 C717

21302 ULRICH, R. Atmosphère interne et métabolisme de quelques fruits au cours de la maturation et de la sénescence. 2. Soc. Bot. de France. B. 99: 179-182. 1952. 451 F84B

21303 UZIAK, Z. Obserwacje nad nerwaturą liści Oxalis acetosella L., na tle siedliska w Bialowieskim Parku Narodowym. The observation on the innervation of leaves of Oxalis acetosella L., on the background of seat. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. C. 6:249-261. Ref. Feb.28,1952. 512 L96Ac
English summary.
Comparison of density of leaves in two different forest associations.

21304 VASILEVSKAÍA, V. K., and LIZGUNOVA, T. V. Certain characteristics of the stages of development of cabbage varieties. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:40-51. Ref. 1951. 451 R92

21305 VERONA, O. Deficiency diseases in citrus plants. (In Italian.) Italia Agr. 89:738-743. Ref. Nov. 1952. 16 It1

21306 VERONA, O., and GAMBOGI, P. Study of the action of citrinine produced by Penicillium citrinum on pathogenic fungi. (In Italian.) Phytopath. Z. 19:423-430. Ref. Sept.1952. 464.8 P562
English summary.
Sclerotium rolfsii used in the experiment.

21307 VERVELDE, G. J. Zoutophoping door plantenwortels, een physisch-chemische studie over het binnentreden en de verplaatsing van ionen in een ruimte met een amphoteer kolloid. Salt accumulation by plant roots, a study on the physical chemistry of ion uptake into and ion transport through a space with an amphoteric colloid. Wageningen, Veenman, 1952. 90 p. Ref. 463.34 V61
Proefschrift - Landbouwhogeschool, Wageningen.
English summary.

21308 VIJAYASARADHY, M. Raw-rice washings—a source for cane growth factors. Cur. Sci. 21:50. Feb.1952. 475 Sci23

21309 VOBLIKOVA, T. V. Influence of succinic and aspartic acids on the growth and respiration of germinating seeds. (In Russian.) Glav. Bot. Sad. Trudy 2:95-102. Ref. 1951. 451 M854 T

21310 WALKER, P. Wind causes buttoning in cauliflowers. Grower [London] 39:35,37. Jan.3,1953. 286.83 M34

21311 WALZEL, G. Colchicinierte Cuscuta. Phyton [Horn] 4:137-143. July 10,1952. 450 P565
Germination.

21312 WALZEL, G. Cuscuta auf Nicotiana nikotinfrei. Phyton [Horn] 4:121-123. July 10,1952. 450 P565
C. gronovii on tobacco.

21313 WANGERMANN, E. Studies in the morphogenesis of leaves. VIII. A note on the effects of length of day and of removing daughter fronds on ageing of Lemna minor. New Phytol. 51:355-358. Nov.1952. 450 N42

21314 WAREING, P. F. Experimental induction of male cones in Pinus sylvestris. Nature [London] 171:47. Jan.3,1953. 472 N21

21315 WEAVER, R. J. Response of Black Corinth grapes to applications of 4-chlorophenoxyacetic acid. Bot. Gaz. 114:107-113. Sept.1952. 450 B652

21316 WEBER, F. Vitamin C-gehalt röntgen-bestrahlter keimlinge. Phyton [Horn] 4:144-148. Ref. July 10,1952. 450 P565
At different stages of growth.

21317 WELLENSIEK, S. J. Problems around flowering. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:499-521. Ref. Aug./Sept.1952 86 N384
English summary.

21318 WHITTINGHAM, C. P. Rate of photosynthesis and concentration of carbon dioxide in Chlorella. Nature [London] 170:1017-1018. Dec.13,1952. 472 N21

21319 WILLIAMS, C. H., and MOORE, C. W. E. The effect of stage of growth on the copper, zinc, manganese, and molybdenum contents of Algerian oats grown on thirteen soils. Austral. J. Agr. Res. 3:343-361. Ref. Oct.1952. 23 Au783

21320 WILLIAMS, S. The association of fungi with Bryophytes. (Sum.) Glasgow Nat. 17:45. 1951. 472 G46

21321 WILLIAMS, W. T. Studies in stomatal behaviour. II. The role of starch in the light response of stomata. 4. Variation under constant condition. J. Expt. Bot. 3:424-429. Sept.1952. 450 J8224

21322 WILNER, J. A study of desiccation in relation to winter injury. Sci. Agr. 32:651-658. Dec.1952. 7 Sci2
In plants.

21323 WILSON, P. M. W. Formation and transport of alkaloids in solanaceous grafts. New Phytol. 51: 301-316. Ref. Nov.1952. 450 N42

21324 WOOD, W. M. L. Organic acid metabolism of Sedum praealtum. J. Expt. Bot. 3:336-355. Ref. Sept.1952. 450 J8224

21325 WURGLER, W. Coulure de la vigne et traitements auxiniques. Landwirt. Jahrb. der Schweiz 66: 1067-1075. Ref. 1952. 17 L23

21326 WYKES, G. R. The influence of variations in the supply of carbohydrate on the process of nectar secretion. New Phytol. 51:294-300. Ref. Nov.1952. 450 N42

21327 YAMAOKA, Y. Measurement of the total transpiration from a forest. Rin-Go-Shiken-Hokoku 54: 187-206. Oct.1952. 99.8 R47

21328 YOUNG, H. Y. Introductory plant physiology with some references to the physiology of orchids. Pua Okika o Hawaii Nei 2:59-65. (Cont.) Ref. Oct.1952. 80 P963

21329 ZEHETMAYR, J. W. L. Persistence of late-flushing characters in Norway [Picea abies] and Sitka [P. sitchensis] spruce. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:82-83. 1952. 99.9 G795Re

21330 ZHETVIN, D. Increasing the sugar content of sugar beets. (In Russian.) Kolkhoz. Proizvodstvo 12(7): 29. July 1952. 281.8 K83
Chiefly on spraying with nutrient solutions.

21331 ZIELINSKI, Q. B., and GARREN, R. JR. Effects of beta-naphthoxyacetic acid on fruit size in the Marshall strawberry. Bot. Gaz. 114:134-139. Sept.1952. 450 B652

21332 ZOBERST, W. Die bildung von hausschwammfruchtköpern auf synthetischen nährlösungen. Z. f. Pilzk. 12:10-11. Oct.1952. 450 Z352

BIOCHEMISTRY

21333 ANDERSON, E. G. A chromosomal technique used in biochemical studies on the developing endosperm of maize. Agron. J. 44:560-561. Nov.1952. 4 Am34P

21334 ARASIMOVICH, V. V. Variability of the chemical composition of vegetables and berries under conditions of the Leningrad Region. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:113-124. Ref. 1951. 451 R92

21335 AUCLAIR, J. L., and MALTAIS, J. B. Occurrence of gamma-amino-butyric acid in extracts of Pisum sativum (L.) and in the honeydew of Myzus circumflexus (Buck.) Nature [London] 170:1114-1115. Dec.27,1952. 472 N21

21336 BARGONI, N. The anoxybiontic metabolism of pyruvic acid in the fruit of Pyrus malus. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:693-696. Apr.1952. 442.8 So12

21337 BEAUCHESNE, G., and NETIEN, G. Séparation des acides aminés d'un extrait de graines de maïs immatures à l'aide d'une résine synthétique et identification par chromatographie de partage sur papier. Soc. de Biol. Compt. Rend. 146:1342-1344. Ref. Sept.1952. 442.9 P21

21338 BHARANI, S. P., SHAH, Y. S., and SREENIVASAN, A. Biogenesis of ascorbic acid in sprouting legumes. Cur. Sci. 21:161-162. Ref. June 1952. 475 Sci23

21339 BLAGOVESHCHENSKII, A. V., KOLOBKOVA, E. V., and KUDRIASHEVA, N. A. Alteration of ferment action and quality in the germination of seeds. (In Russian.) Glav. Bot. Sad. Trudy 2:73-94. Ref. 1951. 451 M854T
Chiefly vernalization wheat seeds.

21340 BUCHBERGER, W. Aneurin im auf- und im absteigenden pflanzensaft. Phyton [Horn] 4:101-104. Ref. July 10,1952. 450 P565

21341 BUCHBERGER, W. Aneurin in Fuligo und Chara. Phyton [Horn] 4:97. July 10,1952. 450 P565

21342 COOK, J. A., and FURR, J. R. Sugars in the fruit of soft, semi-dry, and dry commercial date varieties. Date Growers' Inst. Rpt. 29:3-4. 1952. 81 D26

21343 CREAC'H, P. Sur la présence d'acide citrique dans les algues marines. Acad. des Sci. Compt. Rend. 235:1043-1045. Nov.3,1952. 505 P21

21344 CROMWELL, B. T., and RENNIE, S. D. Occurrence of choline oxidase in plant tissues. Nature [London] 171:79-80. Jan.10,1953. 472 N21

21345 CUZIN, J., and SCHWARTZ, D. Microdosage photo-colorimétrique des bases nicotiniques dans le tabac en vert. Inst. Expt. du Tabac. Ann. 1(3):61-69. May 1952. 69.9 B45

21346 DAVID, R., and MASQUELIER, J. La localisation des composés catéchiques phlorogluciques dans les organes végétatifs du pin maritime. Acad. des Sci. Compt. Rend. 235:1325-1327. Nov.24,1952. 505 P21

21347 DENFFER, D. VON, BEHRENS, M., and FISCHER, A. Papierchromatographischer und papierelektrophoretischer nachweis des β-indolacetonitrils und des β-indolaldehyds in extrakten aus kohlpflanzen. Naturwissenschaften 39:550-551. Dec.1,1952. 474 N213

21348 DINGLE, J., and SOLOMONS, G. L. Enzymes from micro-fungi. J. Appl. Chem. 2:395-399. Ref. July 1952. 382 J82

21349 DUPERON, R. Les glucides des semences de Crucifères. Acad. des Sci. Compt. Rend. 235:1331-1333. Nov.24,1952. 505 P21

21350 DURMISHIDZE, S. V., and CHETVERIKOVA, L. S. Formation of tannin in the grapevine. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:125-140. Ref. 1951. 95.9 Ak1
Russian summary.

21351 FAWCETT, C. H., INGRAM, J. M. A., and WAIN, R. L. β-Oxidation of ω-phenoxyalkylcarboxylic acids in the flax plant. Nature [London] 170:887-888. Nov.22,1952. 472 N21

21352 GLATTFELD, J. W. E. Separation of D-glucose from the hydrolysis products of Scenedesmus cells. Bot. Gaz. 114:141-142. Sept.1952. 450 B652

21353 GLEN, W. L., and others. Hypotensive alkaloids of Veratrum album. Nature [London] 170:932. Nov.29,1952. 472 N21
G. S. Myers, R. Barber, P. Morozovitch, and G. A. Grant, joint authors.

21354 GRASSO, V. Viability of chlamydospores of Ustilaginales in laboratory germination. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1555-1564. Ref. 1952. 16 An76
English summary.

21355 GRÉGOIRE, P. E. Isolement d'un second pigment du mycélium d'Aspergillus elegans Gasperrini: l'aspélacine. Soc. de Chim. Biol. B. 34:761-766. 1952. 383 So1

21356 HAMET, R. Sur quelques propriétés physiologiques des alcaloïdes totaux de l'écorce d'angusture. Acad. des Sci. Compt. Rend. 235:1152-1154. Nov.10, 1952. 505 P21
Cusparia angostura.

21357 HARRIS, D. L. Interaction of thiamine and pyridoxine in Neurospora. I. Arch. Biochem. & Biophys. 41:294-304. Dec.1952. 381 Ar2

21358 HUGHES, S. B. Acidic metabolic products of Hansenula anomala. Mycologia 44:736-746. Nov./Dec. 1952. 450 M99

21359 IBANEZ IBANEZ, C., MEDVINSKY, R., and SZABO, E. Estudio de los alcaloides del Elytropus chilensis, Muel. Col. Farm. 9(113/114):3-9. Ref. July/Aug.1952. 396.8 R32

21360 JACOBSOHN, K. P., and AZEVEDO, M. D. Action des sulfamides et de la riboflavine sur la thiaminase des champignons. Soc. de Biol. Compt. Rend. 146:1456-1458. Sept.1952. 442.9 P21

21361 KHALIQUE, M. A., and AHMED, M. Corchsularin, a new bitter principle from jute seeds (Corchorus capsularis, Linn.). Nature [London] 170:1019. Dec.13,1952. 472 N21

21362 KOLOBKOVA, E. V., and KUDRIASHEVA, N. A. Quality of enzymes. (In Russian.) Glav. Bot. Sad. Trudy 2:146-158. Ref. 1951. 451 M854T
Leguminosae and Ranunculaceae.

21363 LANDMAN, O. E., and BONNER, D. M. Neurospora lactase. I. Arch. Biochem. & Biophys. 41: 253-265. Ref. Dec.1952. 381 Ar2

21364 LANG, W. Untersuchungen über den zustand der einfachen und kondensierten polyphenole in der pflanzlichen zelle. (Sum.) Deut. Pharm. Gesell. Mitt. 22:89. In Arch. der Pharm. 285(8). 1952. 396.8 Ar2A

21365 LATZKO, E., and AMBERGER, A. Über die wirkung des cyanamids (H_2CN_2) in der pflanze. Naturwissenschaften 39:526. Nov.15,1952. 474 N213

21366 LYS, J. Extraction des glucides contenus dans le Cyclamen. Soc. de Biol. Compt. Rend. 146:1190-1191. Aug.1952. 442.9 P21

21367 MARIN H., C. Productos fitohormonales en algodón. Agr. Trop. 8(10):7-9. Oct.1952. 26 Ag8

21368 MEHROTRA, B. S. Invertase activity of Penicillium italicum Wehmer. Lloydia 15:185-187. Sept.1952. 442.8 L77

21369 MILIČIĆ, D., and BRAT, L. Notiz über fluorochromierung gerbstoffhaltiger vakuolen. Phyton [Horn] 4:221-223. July 10,1952. 450 P565
In Malus fruits.

21370 NEWCOMB, E. H., and STUMPF, P. K. Fat metabolism in higher plants. I. J. Biol. Chem. 200:233-239. Jan.1953. 381 J824

21371 PARIS, R. Sur le flavonoside des fruits du Paliurus aculeatus Lamk. Acad. des Sci. Compt. Rend. 235:1329-1331. Nov.24,1952. 505 P21

21372 PRESTON, R. D. A note on the submicroscopic structure of pectin in collenchyma cell walls. J. Expt. Bot. 3:437-439. Sept.1952. 450 J8224

21373 PRINGSHEIM, E. G. Iron organisms. Endeavour 11:209-214. Ref. Oct.1952. 472 En2
Bacteria and algae.

21374 PUTNYNIA, TS., BERZINIA, L., and ROBEZHNIEKS, I. Riboflavin in germinating legume seeds. (In Latvian.) Latv. PSR Zinatņu Akad. Vest. 11: 1759-1760. 1951. 511 R442

21375 RAO, N. U. Growth and amino acid content of food yeast on different nutrient media. Urbana,1952. 6 p. 462.05 R182
Abstract of thesis - University of Illinois.

21376 ROBINSON, E., and BORWN, R. The development of the enzyme complement in growing root cells. J. Expt. Bot. 3:356-374. Ref. Sept.1952. 450 J8224

21377 ROUX, E., and HUSSON, C. Pigments des chloroplastes et photosynthèse. Acad. des Sci. Compt. Rend. 235:1154-1155. Nov.10,1952. 505 P21

21378 SALTMAN, P. Hexokinase in higher plants. J. Biol. Chem. 200:145-153. Ref. Jan.1953. 381 J824

21379 SCHWARTZ, D., CUZIN, J., and FARDY, A. Methode rapide de cotation des teneurs en nicotine sur tabac frais. Inst. Expt. du Tabac. Ann. 1(3):77-86. May 1952. 69.9 B45

21380 SHAW, E. A dithizone tissue test for zinc in plants. Soil Sci. 74:479-480. Dec.1952. 56.8 So3

21381 SHIELDS, L. M. Little emphasized facets of the nitrogen cycle. (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 65-66. Oct.1952. 500 C717
Nitrogen sources of spermatophytes.

21382 SŁABECKA-SZWEYKOWSKA, A. On the conditions of anthocyanin formation in the Vitis vinifera tissue cultivated in vitro. (In Polish.) Soc. Bot. Polon. Acta 21:537-576. Ref. 1952. 451 So16
English summary.

21383 SLONIMSKI, P. P. Excrétion de porphyrines par la levure en anaérobiose. Acad. des Sci. Compt. Rend. 235:1064-1066. Nov.3,1952. 505 P21

21384 SOSA, A., and PLOUVIER, V. Recherches sur quelques constituants des fleurs de Forsythia. Acad. des Sci. Compt. Rend. 235:1045-1047. Nov.3,1952. 505 P21

21385 SROKA, K. H. Zur toxikologie der bohne. Deut. Bienenztg. 7:176-177. Nov.1,1952. 424.8 D488

21386 STAHL, E. Nachweis der vorstufe des azulens in den drüsenhaaren der schafgarbe (Achillea millefolium L. und andere arten). Naturwissenschaften 39:551-552. Dec.1,1952. 474 N213

21387 SUBBARATNAM, A. V. Alkaloidal constituents of Gloriosa superba Linn. J. Sci. & Indus. Res. 11B:446-447. Oct.1952. 475 J82
Used as an inhibitor to cell division.

21388 TADROS, W., and KAMEL, M. A preliminary study of the main polysaccharide of Lupinus termis seeds. Chem. Soc. J., Nov.1952:4532-4533. 382 L84J

21389 TAVADZE, P. G., and SOLOV'EVA, V. P. Change in amylase activity in relation to age of grape leaves. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:141-153. Ref. 1951. 95.9 Ak1
Russian summary.

21390 TONIOLO, L. Researches on the determination of the nitric nitrogen in the leaves of the sugar beet. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1565-1575. 1952. 16 An76
English summary.

21391 TURRELL, F. M., CHERVENAK, M., and VANSELOW, A. P. Inorganic composition of exudate from Eureka lemons treated with elemental sulfur dust. Amer. J. Bot. 39:693-699. Ref. Dec.1952. 450 Am36

21392 ULRICH, R., and THALER, O. Mesure du gaz carbonique total des tissus des fruits. Application à un cas particulier. Acad. des Sci. Compt. Rend. 235:1417-1419. Dec.1,1952. 505 P21

21393 WATSON, G. A. Variation in mineral content of the hop leaf. Wye Col. Dept. Hop Res. Annu. Rpt.1951: 29-41. 1952. 70.9 W972

21394 WEBER, F., and THALER, I. Lathraea hat auch auf Picea zellkern-kristalloide. Phyton [Horn] 4: 201-202. Ref. July 10,1952. 450 P565

21395 WEBSTER, G. C. The occurrence of a cytochrome oxidase in the tissues of higher plants. Amer. J. Bot. 39:739-745. Ref. Dec.1952. 450 Am36

21396 WEINMANN, H. Carbohydrate reserves in grasses. Internatl. Grassland Conf. Abs. Papers 6(D): 20. 1952. (Doc.5) 60.19 In86

21397 WIELAND, T. Uber pilzgifte. Z. f. Pilzk. 12: 1-3. Oct.1952. 450 Z352

21398 WOODWARD, G. E. 2-Desoxy-D-glucose as an inhibitor in the aerobic glucose metabolism of yeast. Franklin Inst. J. 254:553-555. Dec.1952. 470 J82

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

21399 ADDENS, N. H. H. Zaaizaad en pootgoed in de nederlandse landbouw. Seeds and seed-potatoes in Dutch agriculture. Wageningen,Veenman,1952. 282 p. Ref. 61 Ad2
Proefschrift - Landbouwhogeschool, Wageningen.
English summary.

21400 AHLGREN, G. H., and others. Practical field crop production for the Northeast; an elementary introduction to agronomy. Rev. ed. New Brunswick,N. J., Rutgers U. Press,1952. 423 p. 64 Ah4
R. S. Snell, J. C. Anderson, and M. A. Sprague, joint authors.

21401 ALLEN, M. J. Visit to Rothamsted. Inst. Corn & Agr. Merchants. J. 3:148-152. Autumn 1952. 10 In7

21402 BAIMER, R. Samen in pillenform. Landmasch.-Markt 31:691-692. Oct.30,1952. 58.8 L239

21403 BOAS, F. Biologische möglichkeiten der erntehebung. Bebauet die Erde 22:65-66. Sept.1952. 18 B38

21404 BOCKMANN, H. Fruchtfolge als prophylaxe und therapie. (Extr.) Bebauet die Erde 22:67-68. Sept.1952. 18 B38

21405 CAMARÃO, M. C. Some basic concepts in agronomy. IV. (In Portuguese.) Bras. Acucareiro 40: 88-90. July 1952. 65.8 B73

21406 DRAGHETTI, A. Experiments in culture and farming for the lasting improvement of agrarian production. (In Italian.) Georgofili (ser.6)16:69-95. 1952. 507 F51

21407 ECKHOFF. Landwirtschaftslehrer besuchten die kleinwanzlebener saatzucht in Einbeck. Hannoversche Land- u. Forstwirt. Ztg. 105:1167. Nov.15,1952. 18 H194

21408 FRENCH EQUATORIAL AFRICA. COMITÉ DE COORDINATION DES RECHERCHES AGRONOMIQUES. [Séance.] Brazzaville,1951. 305 p. 24 F88

21409 GARRISON, C. S. The National Foundation Seed Stocks Program in the United States. Internatl. Grassland Conf. Abs. Papers 6(F):19-20. 1952 (Doc.5) 60.19 In86

21410 GOLOMBA, R. A. Efficient utilization of agricultural land on kolkhozes of the Ukrainian SSR. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:201-215. 1951. 56.9 K52
Chiefly field crops.

21411 HESTER, J. B. Crop rotation—the why and wherefore. Rur. New-Yorker 103:34,50. Jan.17,1953. 6 R88

21412 HÜBNER, R. Qualitätsfragen im zwischenfruchtfutterbau. Grünland 1:86-87. Nov.1952. 18 G922
Germany.

21413 IOWA CROP IMPROVEMENT ASSOCIATION. Iowa's certification discussion guide, edited by D. S. Geiser. Ames,1952. 30 p. 61 Io93C

21414 KENNERLY, A. B. Sesame! may challenge cotton. South. Seedsman 16:16,88. Jan.1953. 61.8 So8

21415 KNOBLICH. Ist eine fruchtfolge nötig? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2085-2086. Dec.20,1952. 18 L2346

21416 KUDO, H. Zur kenntniss der feldsysteme in der landwirtschaft. (In Japanese.) Obihiro. Zootech. U. Res. B. 1(2):69-77. Mar.1952. 513 Ob3

21417 LACROIX, L., and others. Resultats des principaux essais effectués de 1947 à 1951 à la Station de Recherches, de l'Etat pour l'Amélioration des Plantes de Grandes Cultures, à Gembloux. Rev. de l'Agr. 5: 1187-1239. Nov.1952. 13 R322
R. Legros, A. Moës, L. Noulard, and P. Cantillon, joint authors.
Studies on barley, wheat, oats, flax, tobacco, beans, and vetch.

21418 LOUISIANA. AGRICULTURAL EXPERIMENT STATION. CROPS AND SOILS DEPT. A preliminary annual report on experiments conducted, 1951. Baton Rouge,1952? 63 p. 100 L936
Field crops.

21419 MAKAROV, V. T. Summary of [research] works by the Complex Expedition of Tomsk State University in rendering assistance to the collective farms of Asino District, Tomsk Region in adapting the grass-field crop rotation system of agriculture. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:9-11. 1951. 511 T59

21420 MENDES, O. T. African agriculture as seen by a Brazilian agronomist. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:782-804. (Cont.) Sept. 1952. 68.29 Sa63

21421 MULLALLY, M. J. The role of field experiments. Beet Grower 6:183-190. Oct.1952. 66.8 B392

21422 MUSIIKO, A. S. Supplementary pollination of agricultural plants. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:32-35. June 1952. 20 D742
Field crops chiefly.

21423 NESMIÏAN, I. N. Grass mixtures for field crop rotation in the forest steppes of the western territory of the Ukrainian SSR. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:98-110. 1951. 56.9 K52

21424 NORTH CAROLINA CROP IMPROVEMENT ASSOCIATION. 1953 sources of certified seed of cotton, corn, tobacco, potatoes, sweet potatoes, soybeans, and watermelons inspected for certification. Raleigh, 1952. 20 p. 61.9 N815

21425 OSVALD, H., and ABERG, E. Sortvalet inom lantbrukets växtodling [Selection of varieties of farm plants]. Ed. 2, rev. Stockholm?Kooperativa Förbundet, 1952. 20 p. 64 Os8

21426 PETER, H. Das problem der energienutzung in der landwirtschaft. Ernähr. der Pflanze 1:6-11. Oct. 1952. 57.8 Er62
English summary.
Agronomy.

21427 POHJAKALLIO, O. On the appearance of the peak yields of cultivated plants at different latitudes in Finland. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:119-123. Ref. 1952. 20 Su7M
English summary.

21428 PORSE, O. Results of field crop experiments. (In Swedish.) Lantbrtidskr. f. Dalarna 2:47-69. Apr.1952. 11 L29
Variety tests and fertilizing.

21429 SCURTI, F. The experimental fields and the snares of field tests. (In Italian.) Ann. della Sper. Agr. (n.s.)6(6,sup.):XXXVII-XLIX. 1952. 16 An76
English summary.

21430 SKRIPCHINSKIĬ, V. V. Utilizing representatives of wild flora to create cultivated perennial crops. (In Russian.) Vsesoîuzn. Soveshchanie Bot. i Selekerov. Mater. 1:94-106. 1950,pub.1951. 451 V963
Field crops.

21431 SMIRENSKII, N. V., and KOPTEV, G. S. Artificial supplementary pollination of plants. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6: 36-38. June 1952. 20 D742
Field crops.

21432 SMUTS, I. J., and VAN GARDEREN, J. Agronomy experiments (1927-1946) at the Kroonstad Agricultural Research Station. Union So. Africa. Dept. Agr. Sci. B. 320,44 p. 1952. 24 So84S

21433 STOA, T. E., and JENDRO, M. A report of progress on the Agronomy Seed Farm. N. Dak. Agr. Expt. Sta. Bimon. B. 15:43-48. Nov./Dec.1952. 100 N813B

21434 TALLARICO, G. Synthesis of latest biological and agronomic discoveries. (In Italian.) Mondo del Latte 9:523-525,527-530,532. Sept.1952. 44.8 M74
English summary.

21435 THOMPSON, E. G. Better seeds—better crops. Good Husb. 3(2):12-13. Oct.1952. 24 G59

21436 TSFASMAN, IA. On the number of field crop rotations on collective farms. (In Russian.) Sotsialist. Sel'sk Khoz. 23(9):22-35. Sept.1952. 281.8 So73

21437 ZUCCHINI, M. Spring plantings. (In Italian.) Agr. Ferrarese 56:27-29. Feb.29,1952. 16 Ag87
Field crops.

Cereals

21438 ALBERTA. DEPT. OF AGRICULTURE: FIELD CROPS BR. Hints for growers of registered and certified seed grain, by J. E. Birdsall and A. M. Wilson. Edmonton?1951. 5 p. 61 AL1H

21439 ANDRES, J. M. Heterosis en maices dentados y córneos. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(54):16. June 1952. 9 Id3

21440 BAIRD, G. T., and BINGHAM, G. H. Growing spring wheat in Utah. Utah. State Agr. Col. Ext. Fact Sheet 4,4 p. Mar.1952. 275.29 Ut1F

21441 BARRER, P. R. Malting barley variety trials in Ellesmere County. New Zeal. J. Agr. 85:479,481,483. Dec.1952. 23 N48J

21442 BENI, F. DE. The grain season 1952 and its lessons. (In Italian.) B. dell'Agr. 86(40):1. Oct.17,1952. 16 B87
Culture in Italy.

21443 BUDIUK, V. P. New grain varieties distributed by districts for 1952. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:12-15. July 1952. 20 D742
In Russian.

21444 CHAVAN, V. M., CHAUDHARI, B. B., and PATIL, J. A. Genetic improvement of irrigated wheats in Bombay Baxi-288-18 and Mondhya-3-2. Poona Agr. Col. Mag. 43:3-6. June 1952. 22 P79

21445 CHEVALIER, R. Les variétés de céréales d'hiver dans les régions méridionales (1947-1951). France. Min. de l'Agr. B. Tech. d'Inform. 72:561-571. Aug./Sept.1952. 14 F844B

21446 CHILE. DEPT. DE EXTENCIÓN AGRÍCOLA. La producción de arroz y sus problemas. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p. 239-241. Temuco,1952. 27 C7655
Departamento de Economia Rural cooperating.

21447 CLAVE, P. La production des semences de riz. Bouches du Rhône Agr. 24(1085):1-2. Nov.1, 1952. 14 B662

21448 CLAVE, P. La production des semences françaises du riz. Réveil Agr. 61:337-338. Nov.15, 1952. 14 R322

21449 COLLIER, J. W., and ATKINS, I. M. Small grain variety tests at the Blackland Experiment Station, 1949-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1503,3 p. Oct. 16,1952. 100 T31P

21450 CONGRESO DE PRODUCTORES DE ARROZ. 1st, PANAMA, 1951. Acta final. Panama,1951. 25 p. 59.9 C7643

21451 DEMARET, Y. Points essentiels de l'amélioration du maïs. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 1:265-278. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4). Dec.1952. 24 K83

21452 DIEHL, R. Expérimentation sur les céréales dans la région de l'Ouest; résultats relatifs à la période 1947-1951. France. Min. de l'Agr. B. Tech. d'Inform. 72:573-583. Aug./Sept.1952. 14 F844B

21453 DIONIGI, A. Genetics and agronomy: two quintals in place of one. (In Italian.) Gior. di Agr. 62: 365. Nov.30,1952. 16 It1G
Italian wheat.

21454 DOLENC, D., and JURAS, I. Natural conditions for corn production in Counties Našice and Donji Moholjac. (In Serbo-Croatian.) Biljna Proizvodnja 5: 154-159. Ref. July/Aug.1952. 64.8 B49
English summary.

21455 DRAGHETTI, A. Another step forward and more possible in grain production. (In Italian.) Humus 8(9):3-5. Sept.1952. 16 H88
Wheat in Italy.

21456 DREIER, A. F., and others. Nebraska corn performance tests, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 26,17 p. Dec.1952. 100 N270
J. H. Lonnquist, D. P. McGill, and P. L. Ehlers, joint authors.

21457 DRUMMOND, G. A. Breeding of hybrid corn without artificial removal of the blossoms. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(5):6-11. May 1952. 9.2 M663

21458 DZHAPARIDZE, KH. E. Time for planting and amount of "Dolispuri" winter wheat to be planted in Ukanamkhare Kakheti. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Polevod. Trudy 6:5-24. Ref. 1951. 64.9 Ak12
Russian summary.

21459 ELLENA, G. Beginning of the autumn planting. (In Italian.) B. dell'Agr. 86(39):1. Oct.10,1952. 16 B87
Wheat culture in Italy.

21460 ERROUX, J. Les blés des oasis. Soc. des Agr. d'Algérie. B. 96:243-252. 1951/52. 24 So1
Varieties.

21461 ETIGNY, J. D'. El cultivo del trigo. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.229-238. Temuco,1952. 27 C7655

21462 FIDDIAN, W. E. H. A cereal variety survey in Norfolk. Inst. Corn & Agr. Merchants J. 153-156. Autumn 1952. 10 In7

21463 FLECHSIG, J. Über schmachtkorn. Getreide u. Mehl 2:112-115. Oct.1952. 298.8 G332

21464 FORLANI, R. The best wheats. (In Italian.) Humus 8(9):6-9. Sept.1952. 16 H88
Italy.

21465 FUJITA, Y. From where Oryza sativa L. came to the Japanese Islands? (In Japanese.) J. Jap. Bot. 27:290-292. Sept.1952. 450 J8223

21466 GORDON, I. J. The Kansas wheat farm culture and implications for guidance at the Kansas State College. Kans. Acad. Sci. Trans. 55:54-61. Mar.1952. 500 K13T

21467 GUIOLET, J., HEINEN, A., and KOENIG, J. Essais de variétés de céréales dans la région de l'Est Central. France. Min. de l'Agr. B. Tech. d'Inform. 72: 513-528. Aug./Sept.1952. 14 F844B

21468 GURCHENKO, V. S. Narodnaîa—a valuable variety of hard wheat. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:21-23. July 1952. 20 D742
In Russian.

21469 HORA, S. L. Paddy-cum-fish culture in relation to public health. Cur. Sci. 21:138. May 1952. 475 Sci23
India.

21470 ÎAKIMENKO, A. F. Ripening and harvesting of millet. (In Russian.) Selek. i Semen. 19(10):55-60. Oct. 1952. 61.9 Se5

21471 ÎAKUSHKIN, I. On peculiarities of autumn sowing [of grain]. (In Russian.) Kolkhoz. Proizvodstvo 12(7):18-20. July 1952. 281.8 K83

21472 JOHNSON, G. D. Corn as a nurse crop-looked good in '52. Successful Farming 51:34-35,90-92. Jan. 1953. 6 Su12

21473 JONARD, P. Les blés tendres (Triticum vulgare Vill.) cultivés en France. Paris, Institut National de la Recherche Agronomique,1951. 459 p. 59.26 J69B

21474 JUSSIAUX, P. Le mais: sa culture, son utilisation. Paris,Maison Rustique,1952. 92 p. 59.22 J98

21475 KELLETT, O. S. Two-rowed malting barley. (Condensed.) Amer. Brewer 85(12):47-48. Dec.1952. 390.8 Am3

21476 KERLE, W. D. How to get high yields of maize. Agr. Gaz. N. S. Wales 63:509-510,527. Oct.1952. 23 N472
Culture.

21477 KOZUBENKO, V. E. Basic results of corn selection at the Chernovo Experimental Station. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:192-200. 1951. 56.9 K52

21478 KRASNIUK, A. A. New winter rye variety—Volzhanka. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:15-18. July 1952. 20 D742
In Russian.

21479 KVANTALIANI, A. S. Millet as a catch crop after grain in irrigated sections of eastern Gruziya. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Polevod. Trudy 6:25-34. 1951. 64.9 Ak12
Russian summary.

21480 LAKON, G. Uber keimpotenz und labile keimtendenz bei pflanzensamen, insbesondere bei getreidefrüchten. Saatgut-Wirt. 4:236-238. (Concl.) Oct. 1952. 61.8 Sa1

21481 LARAMBERGUE, R. DE. Quatre années d'expérimentation sur les céréales en Alsace. France. Min. de l'Agr. B. Tech. d'Inform. 72:509-512. Aug./Sept. 1952. 14 F844B

21482 LEDENT. Comment retirer le maximum de profit de nos cultures de mais hybride. Sillon Belge 22(533):1-2. (Cont.) Nov.8,1952. 13 Si3

21483 LE GLORU, P. Pour améliorer les rendements de blé en Provence. Réveil Agr. 61:321-322. (Cont.) Nov.1,1952. 14 R322

21484 LOVCHIKOV, I. S. Hasten inclusion of hard summer wheat in the production of new regional varieties. (In Russian.) Selek. i Semen. 19(10:39-45. Oct.1952. 61.9 Se5

21485 LUNA ERCILLA, C. A. El arroz, su importancia y cultivo en la provincia de Corrientes. Pampa Argentina 25(298):12,29. Oct.1952. 9 P19

21486 MANVILLI, V. Historic profile of transplanting. (In Italian.) Riso 1(9):14-16. Oct.1952. 59.8 R49

21487 MAPAS, I. Rice production in Pontevedra. Agr. & Indus. Life 14(11):17,48. Nov.1952. 25 Ag8

21488 MATA PACHECO, J. Comunicación sobre mejoramiento en arroz. Col. de Ingen. Agron. An. 4: 39-53. Ref. 1951. 58.9 C82
Costa Rica.

21489 MATELA, A. G. Plant selected rice seeds. Plowman 9:10-11. July/Aug.1952. 276.8 P72

21490 MAYER, R., and others. Comportement en champs d'essais, des principales variétés de blé cultivées dans la Région Parisienne, la Normandie, le Nord et le Nord-Est de la France. France. Min. de l'Agr. B. Tech. d'Inform. 72:471-507. Aug./Sept.1952. 14 F844B
P. Jonard, G. de Fosseux, B. de Curel, and C. Guimbard, joint authors.

21491 MEL'NIKOV, N. I. Striving to produce wheat varieties of superior quality. (In Russian.) Selek. i Semen. 19(10):19-22. Oct.1952. 61.9 Se5

21492 MIDYETTE, J. W. Hybrid corn field plots to check label statements attached to hybrid seed corn offered for sale in Virginia. (Abs.) Va. J. Sci. (n.s.)3:280. Sept.1952. 470 V81

21493 MURPHY, H. C., and ATKINS, R. E. Clintafe oats—its record. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:71-73. Nov.1952. 275.28 Io94

21494 NATÎAGAÎLO, N. K. Wide-row plantings of buckwheat. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:15-18. 1951. 106 Um1

21495 NIKOLAEVA, T. Winter wheat, Stepnaîa 135. (In Russian.) Kolkhoz. Proizvodstvo 12(7):59-60. July 1952. 281.8 K83

21496 NORTHWEST CROP IMPROVEMENT ASSOCIATION. Approved spring wheat varieties selected from dictionary of spring wheat varieties. Co-op Grain Q. 10(4):15-24. Dec.1952. 280.28 C7898

21497 OLIVA, A. Success and prospects of mountain grain culture. (In Italian.) Humus 8(9):10-13. Sept. 1952. 16 H88
Italian wheat.

21498 PANE MERCE, J. Zonas apropiadas para la siembra del trigo "Pane 247." Balearic Isl. Diputación Prov. B. de Agr. 96:4-5. Sept.1952. 15 B19

21499 PANE MERCE, J. Zonas apropiadas para la siembra del trigo "Pane 247." Cooperacion [Madrid] 127:12-13. Sept.1952. 280.28 C7875
Spain.

21500 PEREKAL'SKIĬ, F. M. Northern and southern direction of rows in planting. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:18-21. July 1952. 20 D742
In Russian.
Experiments with wheat.

21501 PFISTER CORN CO., EL PASO, ILL. 187 hybrids from inbreds and foundation seed by L. Pfister. El Paso?Ill.,1952. 59.9 P48

21502 PIACCO, R. Acclimatization tests at Vercelli in the 1951 season. (In Italian.) Riso 1(9):10-11. Oct.1952. 59.8 R49

21503 PINTO, V. DI. Le piu' alte produzioni di mais ibridi raggiunte in Provincia di Napoli [Highest production of hybrid corn achieved in the Province of Napoli]. Italy. Ispettorato Prov. dell'Agr. de Napoli. C. 4,8 p. 1952. 16 It18

21504 POWELL, T. Fish and rice, a remarkable new rotation. Org. Farmer 4(5):12-13,40-41. Dec.1952. 57.8 Or3

21505 PRONIN, V. A. Artificial blending of summer wheat varieties under conditions of the Penza Region. (In Russian.) Selek. i Semen. 19(10):27-31. Oct.1952. 61.9 Se5
Mixed planting.

21506 RAMIAH, K. Notes on field visits. Internatl. Rice Comn. News Let. 3:1-6. Sept.10,1952. 59.9 In83N
Indonesia and Ceylon.

21507 RICCI, A. Demonstration field for grain varieties, 1951-1952 season. (In Italian.) Romagna Agr. e Zootec. 37(17):7. (Cont.) Oct.1952. 16 R66
Wheat.

21508 RICHEY, F. D. Hybrid corn for Tennessee. Tenn. Agr. Expt. Sta. B. 227,24 p. Oct.1952. 100 T25S

21509 RYBAKOVA, S. N. Importance of late-autumn plantings of spring wheat in Tomsk Region. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:131-134. 1951. 511 T59

21510 SAINT-QUENTIN, M. La production du maïs dans le Lauraguais. Rustica 25:1158. Dec.7,1952. 14 R92
Culture.

21511 SAKALO, V. D. Development and yield of corn dependent on closeness of planting. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6: 134-141. Ref. 1951. 56.9 K52

21512 SCHAD, C., and others. Expérimentation des céréales dans le Massif Central de 1949 à 1951. France. Min. de l'Agr. B. Tech. d'Inform. 72:529-560. Aug./Sept. 1952. 14 F844B
H. Plumet, J. Paquet, and B. Bidabe, joint authors.

21513 SOLOV'EV, A. A. Supplementary artificial pollination of spring wheat. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:38-41. June 1952. 20 D742

21514 STEIN. Der braugerstenanbau 1952 in Südbaden. Bauern-Ztg. 5(49):5. Dec.1952. 18 B324

21515 STIVERS, R. K., and others. A comparison of two methods of calculating yields for experimental corn plots. (Abs.) Va. J. Sci. (n.s.)3:279-280. Sept. 1952. 470 V81
W. Skrdla, T. H. Taylor, M. T. Carter, and R. D. Sears, joint authors.

21516 STOCKDILL, S. M. J. Ryecorn in Otago. New Zeal. J. Agr. 85:283,285-287. Oct.15,1952. 23 N48J

21517 THEIMER, O. F. Amerikanische erntemethoden. Deut. Müller-Ztg. 50:586-588. Nov.26,1952. 298.8 Su2
Grain.

21518 TURBIN, N. V., and PALILOV, A. I. Emasculation of maternal spikes in free intervarietal re-pollination of wheat. (In Russian.) Selek. i Semen. 19(10):7-14. Oct.1952. 61.9 Se5

21519 TUUL, S. IU. Iygev Khiamarik oats. (In Russian.) Selek. i Semen. 19(10):76. Oct.1952. 61.9 Se5

21520 UTTAMAN, P., SAHADEVAN, P. C., and MENON, M. K. Studies on the purity and performance of rice strains. Madras Agr. J. 39:545-551. Nov.1952. 22 M262

21521 VACCARI, A. Our rice regions: lower Bologna (In Italian.) Riso 1(9):20-22. Oct.1952. 59.8 R49

21522 VALLE, C. G DEL. La obtencion de un hibrido de maiz comercial en Cuba. Cuba. Estac. Expt. Agron. B. 69,16 p. July 1952. 102 C89B

21523 VÉLEZ FORTUÑO, J. Corn-breeding work in Puerto Rico. P. R. U. J. Agr. 36:12-23. Ref. Jan.1952. 8 P832J

21524 VIDAL MORA, J. M. Sobre los maices hibridos. Balearic Isl. Diputación Prov. B. de Agr. 96: 1-2. Sept.1952. 15 B19

21525 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Why settle for less? 100 bushels [of corn] per acre. Va. Agr. Col. Ext. C. 541, 6 p.-folder. Apr.1952. 275.29 V81C

21526 WHITLOCK, R. Winning our daily bread; corn crops seem likely to retain their importance for British farmers, but how much more can we sow? Field 200:1035-1036. Dec.13,1952. 10F45

21527 ZANNONI, I. Increasing grain production. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:405-406. Oct.1952. 16 C72

21528 ZUCCHINI, I. The next corn planting season. (In Italian.) Agr. Ferrarese 56:39-40. Feb.29,1952. 16 Ag87

21529 ZUCCHINI, M. Tests on grain varieties. (In Italian.) Agr. Ferrarese 56:145-148. July 31,1952. 16 Ag87
Wheat.

Fiber Crops

21530 BROWN, C. H. The cotton problems of French North Africa. Empire Cotton Growing Rev. 30: 37-39. Jan.1953. 72.8 Em7

21531 BROWN, C. H. Vers, mauvaises herbes et utilisation des enfants comme main-d'oeuvre pour l'entretien des cultures cotonnières. Feuilles Agr. 10: 175-179. Second Q.1952. 24 F43
Cotton culture in Egypt.

21532 CALDWELL, S. A. G. Ramie. I. Textile Indus. & Fibres 13:390-393. Dec.1952. 304.8 F16
Culture and processing.

21533 CANADA. GRAIN RESEARCH LABORATORY. Canadian flax, 1952. Canada. Grain Res. Lab. Crop B. 48,18 p. Nov.1952. 59.9 C161C

21534 CHILDERS, L. E. Crop defoliation with chemicals. Better Farming Methods 25:11-13. Jan.1953. 58.8 B46
Chiefly cotton.

21535 CHILE. DEPT. DE EXTENSION AGRICOLA. La producción de lino y sus problemas. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.242-243. Temuco,1952. 27 C7655
Departamento de Economia Rural cooperating.

21536 CIZEK, J. Ramie—Boehmeria nivea Hook. et Arn. (In Serbo-Croatian.) Biljna Proizvodnja 5:160-168. Ref. July/Aug.1952. 64.8 B49
English summary.

21537 COENE, R. DE. Les méthodes et les progrès de la séction du cotonnier à Bambesa. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 1:289-304. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4). Dec.1952. 24 K83

21538 EMPIRE COTTON GROWING CORPORATION. Anglo-Egyptian Sudan Cotton Breeding Stations progress report for the season 1951-52. London,1952. 21 p. 72.9 G79Rs

21539 EMPIRE COTTON GROWING CORPORATION. Nyasaland Cotton Experiment Station progress report for the season 1951-52. London,1952. 7 p. 72.9 G79Rs

21540 HAAN, H. DE. Flax breeding and flax varieties in the Netherlands. Euphytica 1:212-218. Oct.1952. 450 Eu6

21541 JAGMIN, J. Uprawa lnu [Flax culture]. Warszawa,Państwowe Wydawnictwo Rolnicze i Leśne, 1952. 31 p. (Biblioteka Rolnicza Gromady) 73.1 J18

21542 JOYNER, J. F., GANGSTAD, E. O., and SEALE, C. C. Ramie—the Chinese silk plant. Gard. J. 3:18,21. Jan./Feb.1953. 80 G1635

21543 LAGUTOCHKIN, P. Experiments in artificial defoliation of cotton with the aid of aircraft. (In Russian.) Khlopkovodstvo 8:37-40. Aug.1952. 72.8 K522

21544 LITTLE, W. Seeks answers to basic questions on cotton. Cotton Gin & Oil Mill Press 54:43-44. Jan.3,1953. 304.8 C822
Culture.

21545 MOORE, W. B. Sound practices make high acre yields in 1952 lint contests. Cotton Gin & Oil Mill Press 54:42. Jan.3,1953. 304.8 C822

21546 MOROCCO. SERV. DE LA RECHERCHE AGRONOMIQUE ET DE L'EXPERIMENTATION AGRICOLE. La culture du cotonnier au Maroc. Rabat,1951. 11 p. 72 M823

21547 PAKISTAN CENTRAL COTTON COMMITTEE. An introduction to Pakistan cottons. Ed. 2. Karachi,1951. 15 p. 72 P17

21548 RASKIN, G. Rotation of crops on cotton growing kolkhozes in the irrigated zone. (In Russian.) Khlopkovodstvo 8:20-28. Aug.1952. 72.8 K522

21549 ROSE, M. F. Cotton development in southern Kordofan. Empire Cotton Growing Rev.30:15-18. Jan. 1953. 72.8 Em7

21550 SKOPENKO, D., and DEMKIN, A. High yields of hemp. (In Russian.) Kolkhoz. Proizvodstvo 12(7):24-25. July 1952. 281.8 K83

21551 SMITH, A. L. Plains—a new upland cotton. Cotton Gin & Oil Mill Press 53(26):30-31. Dec.20,1952. 304.8 C822

21552 UPCHURCH, T. B. Growing cotton in California. Carolina Co-op. 31:10-11. Jan.1953. 72.8 N81

21553 VARELA VELASCO, A. Cómo producir más algodón. Tierra [Mexico] 7:674-675,707-708. Oct.1952. 8 T445
Mexico.

21554 WAKANKAR, S. M. Fibres from ram-ban (Agaves). Indian Farming (n.s.)2(8):16-17. Nov.1952. 22 In283

21555 ZIENKIEWICZ, H. Report on flax studies in Holland, Belgium and France as well as hemp studies in France and Italy. IV. (In Swedish.) Lin 6:93-101. Oct. 1952. 73.18 L63
Hemp growing.

21556 ZIENKIEWICZ, H. Report on flax studies in Holland, Belgium and North France as well as hemp studies in France and Italy. V. (In Swedish.) Lin 6:109-120. Nov.1952. 73.18 L63
Varieties, yields and processing of hemp.

Forage Crops and Grasses

21557 AHLGREN, H. L. Comparisons of the productivity of permanent and rotation pasture on plowable land. Internatl. Grassland Conf. Abs. Papers 6(B):1-2. 1952. (Doc.5) 60.19 In86

21558 AKERBERG, E. Factors in obtaining high yields in legume seed. Internatl. Grassland Conf. Abs. Papers 6(F):1-2. 1952. (Doc.5) 60.19 In86

21559 AKERBERG, E. New experiences on the utilization of alfalfa. (In Swedish.) Lantbrakad. Tidskr. 91:213-226. Ref. 1952. 104 Sw3
English summary.
Breeding and culture.

21560 ALEXANDER, E. D., PRESTON, J. B., and JOHNSON, J. R. Pastures for Georgia. Ga. Agr. Col. Ext. B. 573,40 p. Mar.1952. 275.29 G29B
Chiefly pasture plants.

21561 ALLRED, B. W. Grass during drouth. Sheep & Goat Raiser 33(3):24-26. Dec.1952. 45.8 Sh3

21562 ALLRED, R. C. Effects of association on the responses of selected grasses grown in mixtures. Nebr. U. Abs. Doct. Diss. 13:1-9. 1952. 241.8 N28

21563 ANDERSSON, G., and THORWALL, S. Results of seed production experiments with marrow-stem kale at the Swedish Seed Association in the years 1945—1948. (In Swedish.) Lantbrakad. Tidskr. 91:246-259. 1952. 104 Sw3
English summary.

21564 ANDRADE, B M. M. DE. Trends on pasture establishment and utilization in São Paulo, Brazil. Internatl. Grassland Conf. Abs. Papers 6(L):20. 1952. (Doc.5) 60.19 In86

21565 ANDRUKOVICH, V. I. Sainfoin of Dzhavakhet. (In Russian.) Vsesoĭuzn. Soveshchanie Bot. i Selekerov. Mater. 1:107-112. 1950,pub.1951. 451 V963

21566 ARAUJO, A. A. DE. Natural and artificial grasslands in the State of Parana. Internatl. Grassland Conf. Abs. Papers 6(L):1. 1952. (Doc.5) 60.19 In86

21567 ARAUJO, A. A. DE. The planting of artificial pastures. (In Portuguese.) Chacaras e Quintais 86:59. July 15,1952. 9.2 C34

21568 ARAUJO, A. A. DE. The planting of artificial pastures and the introduction of cattle. (In Portuguese.) Chacaras e Quintais 86:679-680. Nov.15,1952. 9.2 C34

21569 ARAUJO, A. A. DE. Planting pastures. IV. (In Portuguese.) Lav. Arroz. 6(70):42-44. Oct.1952. 59.8 L39

21570 ARMSTRONG, J. M., and WHITE, W. J. Triticum-Agropyron hybrids. Internatl. Grassland Conf. Abs. Papers 6(A):1-2. 1952. (Doc.5) 60.19 In86

21571 BAILEY, R. Y. Grassland renovation in southern United States. Internatl. Grassland Conf. Abs. Papers 6(E):3-4. 1952. (Doc.5) 60.19 In86

21572 BANERJI, J. Modern trends in ecological management of grasslands in the world background, with special reference to the Tropics. Internatl. Grassland Conf. Abs. Papers 6(C):2-3. 1952. (Doc.5) 60.19 In86

21573 BATTLE, W. R. Atlantic alfalfa. N. J. Agr. Expt. Sta. B. 765,4 p. Sept.1952. 100 N46S

21574 BEARD, D. F., and HOLLOWELL, E. A. The effect on performance when seed of forage crop varieties is grown under different environmental conditions. Internatl. Grassland Conf. Abs. Papers 6(F): 5-6. 1952. (Doc.5) 60.19 In86

21575 BEESON, K. E. The forage seed certification program in the United States. Internatl. Grassland Conf. Abs. Papers 6(F):7-8. 1952. (Doc.5) 60.19 In86

21576 BELL, R. W. Education programs for extending forage harvesting and preservation information to farm practice. Internatl. Grassland Conf. Abs. Papers 6(H):4. 1952. (Doc.5) 60.19 In86

21577 BHARUCHA, F. R., and WHYTE, R. O. The fodder and grazing resources of India. Interantl. Grassland Conf. Abs. Papers 6(L):3-4. 1952. (Doc.5) 60.19 In86

21578 BLASER, R. E., SKRDLA, W. H., and TAYLOR, T. Advantages and disadvantages of simple and complex mixtures. Internatl. Grassland Conf. Abs. Papers 6(B): 7. 1952. (Doc.5) 60.19 In86

21579 BOBROV, E. G. Experiment to cultivate Trifolium apertum. (In Russian.) Kormovaîa Baza 3(9):30-34. Sept.1952. 60.8 K84

21580 BOERGER, A. Se ha obtenido en "La Estanzuela" una excelente graminea forrajera. Uruguay. Min. de Ganad. y Agr. B. Inform. 437:4. Oct.16,1952. 9.9 G15B
Lolium multiflorum.

21581 BOSTICK, V. Modern research indicates early seasonal grazing is not harmful to the range. N. Mex. Stockman 18:52. Jan.1953. 49 N462

21582 BOTTAZZI, G. B. The De Marzi-Bottazzi method for alfalfa production. (In Italian.) Italia Agr. 89:719-733. Nov.1952. 16 It1

21583 BREAKWELL, E. J. Crop, soil, and livestock husbandry in balance. (Extr.) Milk Bd. J. 3(9):9,11. Sept.1952. 44.8 M5934
Pasture management in New South Wales.

21584 BRIGGS, R. A. Growing alfalfa in New Jersey. N. J. Agr. Col. Ext. L. 94,8 p. Sept.1952. 275.29 N46L

21585 BROKAMP. Zur bewirtschaftung des grünlandes einschl. standweiden. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2090-2091. Dec.20,1952. 18 L2346

21586 BYWATER, T. L. The function and use of leys in agriculture. Internatl. Grassland Conf. Abs. Papers 6(E):5. 1952. (Doc.5) 60.19 In86

21587 CALDER, J W. The important role of legumes in grazed pasture with special reference to improved productivity of farms in Canterbury, New Zealand. Internatl. Grassland Conf. Abs. Papers 6(B):9. 1952. (Doc.5) 60.19 In86

21588 CALLANTINE, E. J. Fringed sagewort (Artemisia frigida). S. Dak. Stockgrower 6(10):8A. Nov. 15,1952. 49 So84

21589 CALLANTINE, E. J. Leadplant Amorpha (Amorpha canescens). S. Dak. Stockgrower 6(12):6. Jan.15,1952. 49 So84

21590 CALLANTINE, E. J. Slimflower scurfpea (Psoralea tenuiflora). S. Dak. Stockgrower 6(11):8-9. Dec.15,1952. 49 So84

21591 CAMERON, I. D. New Zealand hill country and its relation to the richer pastures of the lower lands. Internatl. Grassland Conf. Abs. Papers 6(C):4. 1952. (Doc.5) 60.19 In86

21592 CAMPBELL, J. B. Range management practices most desirable for prairie lands of Canada. Internatl. Grassland Conf. Abs. Papers 6(C):5. (Doc.5) 1952 60.19 In86

21593 CAMPBELL, R. S., and SHEPHERD, W. O. Forest grazing in the southeastern United States. Internatl. Grassland Conf. Abs. Papers 6(L):5-6. 1952. (Doc.5) 60.19 In86

21594 CAMUGLI, E. N. Como aumentar el rendimiento de nuestros alfalfares. Soc. Argentina de Hort. B. 10:160-162. Oct./Dec.1952. 83 So1

21595 CAPUTA, J. Influence de la profondeur et du roulage des semis sur la levée de quelques graminées et légumineuses fourragères. Landwirt. Jahrb. der Schweiz 66:1055-1066. 1952. 17 L23

21596 CARDON, P. V. Grass goes international. Windrow 2(3):6-7. July 1952. 60.18 W72

21597 CARDON, P. V. Our concept of grassland agriculture. Internatl. Grassland Conf. Doc. 6(8),13 p. 1952. 60.19 In86

21598 CARULLO, F. Improvement of pastures on Emilian-Romagnolo Appennines in connection with the law of July 25, 1952, No. 991, putting into effect "provisions in favor of mountain regions." (In Italian.) Mercanzia 7(10):25-27. Oct.1952. 287 B635

21599 CASSADY, J T. Herbage production on bluestem range in central Louisiana. J. Range Mangt. 6:38-43. Jan.1953. 60.18 J82

21600 CASTLE, M. E., FOOT, A. S., and ROWLAND, S. J. Fodder-beet. II. A further comparison of Danish fodder-beet and English mangold in the south of England, 1950 and 1951. Empire J. Expt. Agr. 20:316-325. Ref. Oct.1952. 10 Em7
Chiefly varieties and yields.

21601 CHEBOTAEV, N. F. Jerusalem artichoke—for swine farms of kolkhozes and sovkhozes. (In Russian.) Kormovaîa Baza 3(9):42-45. Sept.1952. 60.8 K84

21602 CHEPIKOVA, A. R. Autumn work on meadows. (In Russian.) Sotsialist. Zhivotnovod. 14(10):47-49. Oct. 1952. 49 So71

21603 CHESSMORE, R. A. An evaluation of some field plot techniques for testing forage grasses. Nebr. U. Abs. Doct. Diss. 13:15-20. 1952. 241.8 N28

21604 CLARIDGE, J. H. Increasing the seed supply of improved forage crop varieties in New Zealand. Internatl. Grassland Conf. Abs. Papers 6(F):11-12. 1952. 60.19 In86

21605 CLAUSEN, J. New bluegrasses by combining and rearranging genomes of contrasting Poa species. Internatl. Grassland Conf. Abs. Papers 6(2):8-9. 1952. (Doc.5) 60.19 In86

21606 CONCHA A., A. Chile necesita más forrajeras; debemos sembrarlas al máximo. Agrario 17(3): 27-28,30. 1952. 9.3 Ag85

21607 CONDON, R. W. Saltbushes [Atriplex]. N. S. Wales. Soil Conserv. Serv. J. 8:149-157. Oct.1952. 56.9 N472

21608 COOK, C. W., STODDART, L. A., and HARRIS, L. E. Effects of grazing intensity upon the nutritive value of range forage. J. Range Mangt. 6:51-54. Jan. 1953. 60.8 J82

21609 COOPER, J. F. Nuevos pastos en suelos nuevos. Hacienda 48:64,66-67. Jan.1953. 6 H11

21610 CORRIOLS, J. Essai de sélection du mil [Pennisetum] par une méthode statistique. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:101-119. Sept.1952. 26 F84B

21611 CROCKER, R. L. Soil and ecological problems relating to chronic overgrazing. Internatl. Grassland Conf. Abs. Papers 6(E):7-8. 1952. (Doc.5) 60.19 In86

21612 CUNNINGHAM, G. Birdsfoot trefoil—rich pasture for poor soils! Iowa Farm & Home Register Dec.7,1952:7-H-8-H. 6 Io94

21613 CZERWINKA, W. Bäuerlicher futterbau. Ed. 2, rev. and enl. Graz,Stocker,1952. 168 p. 60 C99

21614 DAALEN, C. K. VAN. Application of research information on harvesting and preserving forages to farm practice. Internatl. Grassland Conf. Abs. Papers 6(H):12. 1952. (Doc.5) 60.19 In86

21615 DABADGHAO, P. M. Hints to the farmer: rabi fodders. Indian Farming (n.s.)2(8):8-9,30-32. Nov.1952. 22 In283

21616 DAIRY INDUSTRY COMMITTEE. Handbook for establishing county Green Pasture Programs. Washington,1952. 22 p. 60.1 D142

21617 DAVIDSON, R. L. Methods and procedures for successful reseeding of range lands in South Africa. Internatl. Grassland Conf. Abs. Papers 6(C):7-8. 1952. (Doc.5) 60.19 In86

21618 DAVIES, J. G. The establishment and maintenance of legumes in the sward. Internatl. Grassland Conf. Abs. Papers 6(B):10. 1952. (Doc.5) 60.19 In86

21619 DAVIES, W. Maintaining legumes in the sward. Internatl. Grassland Conf. Abs. Papers 6(B): 11. 1952. (Doc.5) 60.19 In86

21620 DAY, H. R., and MICHELMORE, W. A. Barrel medic [Medicago tribuloides] for low rainfall areas. So. Austral. Dept. Agr. J. 56:179-185. Nov.1952. 23 So84

21621 DEE, W. E. Time now for pasture planning. Amer. Tung News 3(11):9-11. Dec.1952. 307.8 Am33

21622 DELL, A. La espartina como consolidadora de marismas y pantanos. Vida Rur. [Caracas] 13(17/13, i.e.17/18):26-27. Sept./Oct.1952. 9.95 V66
Spartina townsendi.

21623 DESAI, H. M. Hot weather Bajri [Pennisetum glaucum]. Indian Farming (n.s.)2(8):18-19. Nov.1952. 22 In283

21624 DEUSER, J. J. Counting cattle from the air. Soil Conserv. 18:118-119. Dec.1952. 1.6 So3S
In the interests of improving range management.

21625 DICKEY, J. B. R. Some fall and winter suggestions for better pastures next year. Pa. Farmer 147:420,442. Dec.13,1952. 6 P383

21626 DOÎARENKO, E. A. Clover [Trifolium resupinatum] meadows in the Lenkoran Valley—source of seeds of valuable forage grasses. (In Russian.) Kormovaîa Baza 3(9):27-29. Sept.1952. 60.8 K84

21627 DRAR, M. A report on "Kochia indica" Wight in Egypt. Inst. Fouad Ier du Désert. B. 2:54-58. Ref. Jan.1952. 515 In7

21628 DUDAR', A. K. Ways to improve pastures and meadows on the sandy soils of the Caspian Valley. (In Russian.) Kormovaia Baza 3(9):23-27. Sept.1952. 60.8 K84

21629 DUNNETT, A. Getting more from our grass; experiments at the Grassland Research Station [Great Britain] may lead to an extended pasture season. Field 200:1072-1073. Dec.20,1952. 10 F45

21630 DYKSTERHUIS, E. J. Determining condition and trend of ranges (natural pastures). Internatl. Grassland Conf. Abs. Papers 6(K):4-5. 1952. (Doc.5) 60.19 In86

21631 EAKIN, J. H. Birdsfoot trefoil. Pa. State Col. Agr. Ext. C. 411,9 p. Nov.1952. 275.29 P38C

21632 ELAGIN, I. N. Planting winter crops [barley, rye, and rape] for supplementary feeding of livestock. (In Russian.) Sotsialist. Zhivotnovod. 14(8):30-31. Aug. 1952. 49 So71

21633 ELIZAR'EVA, M. F. Meadow vegetation of Tomsk Region as a feed supply base for the animal industry. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:135-149. Ref. 1951. 511 T59

21634 ELSUKOV, M. P., and SHISHKIN, A. I. Annual ryegrass, its economic and agricultural significance. (In Russian.) Kormovaîa Baza 3(8):33-40. Aug.1952. 60.8 K84

21635 EVANS, G. The preservation and maintenance of basic stocks of herbage plants. Internatl. Grassland Conf. Abs. Papers 6(F):13-14. 1952. (Doc.5) 60.19 In86

21636 FEDOSEEV, B., and FILIPPOV, A. Harvesting perennial grasses and legumes grown for seeds. (In Russian.) Kolkhoz. Proizvodstvo 12(7):27-28. July 1952. 281.8 K83

21637 FERGUSON, I. A. C. Sorghum news. Rhodesia Agr. J. 49:270-271. Sept./Oct.1952. 24 R34

21638 FINK, B. Grassland farming keeps Wisconsin green. Wis. Country Mag. 21,i.e.46(6,i.e.3):5,7. Dec. 1952. 276.8 St9

21639 FISHER, B. Thornless prickly pear for fodder. (In Hebrew.) Hassadeh 33:56. Oct.1952. 26 H27

21640 FLEMING, R. Alfalfa, low-cost hay. What's New Crops & Soils 5(4):19-20. Jan.1953. 6 W55

21641 FLORES A., M. A., and OLIVE, F. R. Forage species of El Salvador. Internatl. Grassland Conf. Abs. Papers 6(L):7-8. 1952. (Doc.5) 60.19 In86

21642 FOKA, P. D. Alfalfa seed production on the state farms of Moldavia. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:41-44. June 1952. 20 D742

21643 FOLSOM, S. Distributing and marketing seed of improved varieties of grasses and legumes in the United States. Internatl. Grassland Conf. Abs. Papers 6(F):15-16. 1952. (Doc.5) 60.19 In86

21644 FOURY, A., and PERRIN DE BRICHAMBAULT, G. Observations sur divers essais de plantes fourragères et d'améliorations pastorales poursuivis au Maroc. Terre Marocaine 26:415-431. Nov.1952. 24 T44

21645 FRANÇOIS, T. Relations between grazing and forestry throughout the world. Internatl. Grassland Conf. Abs. Papers 6(C):9-10. 1952. (Doc.5) 60.19 In86

21646 FRANDSEN, K J. Theoretical aspects of cross-breeding systems for forage plants. Internatl. Grassland Conf. Abs. Papers 6(A):13-14. 1952. 60.19 In86

21647 GARCIA-MOLINARI, O. Grasslands and grasses of Puerto Rico. P. R. (Rio Piedras). Agr. Expt. Sta. B. 102,167 p. Ref. Aug.1952. 100 P83

21648 GARCIA-MOLINARI, O. Pasture and forage grass species, and their ecology, in the Caribbean area. Internatl. Grassland Conf. Abs. Papers 6(L):9-10. 1952. (Doc.5) 60.19 In86

21649 GARRISON, C. S. Better seed means better grassland. Macdonald Farm J. 13(3):12-13. Nov.1952. 101 M144
Organization of the National Foundation Seed Project.

21650 GERASENKOV, B. I. Large crop of hay from two harvests of perennial grasses in the Tomsk Region. (In Russian.) Kormovaîa Baza 3(9):34-36. Sept.1952. 60.8 K84

21651 GEUS, J. DE., and HART, M. L. 'T. The production and behavior of pasture plants under ration grazing. Internatl. Grassland Conf. Abs. Papers 6(B):13. 1952. (Doc.5) 60.19 In86

21652 GOBBATO, C. The trefoils. (In Portuguese.) Chacaras e Quintais 86:683-684. Nov.15,1952. 9.2 C34

21653 GOMEZ RUEDA, M. Burning of pastures. Internatl. Grassland Conf. Abs. Papers 6(L):13-14. 1952. (Doc.5) 60.19 In86

21654 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Grassland management. Gt. Brit. Min. Agr. & Fisheries. B. 154,67 p. Ref. 1952. 10 G794B

21655 GREEN, J. O., LANGER, H. J., and WILLIAMS, T. E. Sources and magnitudes of experimental errors in grazing trials. Internatl. Grassland Conf. Abs. Papers 6(K):8-9. 1952. (Doc.5) 60.19 In86

21656 GREST, E. G. The range story of the land utilization projects. J. Range Mangt. 6:44-50. Jan.1953. 60.18 J82

21657 GRIESSACHER, J. Almweiden für ziegen, deren erfassung und ausbau. Osterr. Kleintierzüchter 19/20:157. Oct.1952. 49 Os7

21658 GRIFFITHS, D. J. Isolation requirements for seed production of cross-pollinated forage crops. Internatl. Grassland Conf. Abs. Papers 6(F):21-22. 1952. (Doc.5) 60.19 In86

21659 HAMMELBURG, A., and YAKIR, Y. Elephant grass. (In Hebrew.) Hassadeh 33:1-5. Ref. Oct.1952. 26 H27
Pennisetum purpureum.

21660 HANNAH, L. H. Response of ladino clover (Trifolium repens L.) to certain environmental conditions and management practices. Urbana,1952. 7 p. 60.3 H194
Abstract of a thesis - University of Illinois.

21661 HANSON, H. C. The role of natural areas in permanent grassland research. Internatl. Grassland Conf. Abs. Papers 6(D):8. 1952. (Doc.5) 60.19 In86

21662 HART, M. L. 't. The feasibility of patenting fodder crop varieties. Internatl. Grassland Conf. Abs. Papers 6(F):23. 1952. (Doc.5) 60.19 In86

21663 HEADY, E. O. Type of data needed for economic analysis of grazing experiments. Internatl. Grassland Conf. Abs. Papers 6(K):10-11. 1952. (Doc.5) 60.19 In86

21664 HÉDIN, L. Les conditions d'exploitation de la prairie en Normandie depuis le XIXe siècle. n.p.,1951 p.45-69. 33.17 H35C

21665 HÉDIN, L., and REBISCHUNG, J. Maintaining legumes in the sward. Internatl. Grassland Conf. Abs. Papers 6(B):14. 1952. (Doc.5) 60.19 In86

21666 HENRY, T. Leguminosas promisorias para las praderas uruguayas. Uruguay. Min. de Ganad. y Agr. B. Inform. 437:10-11. Oct.16,1952. 9.9 G15B

21667 HOGABOOM, H. G. Establishment and maintenance of pastures in the Tropics. Internatl. Grassland Conf. Abs. Papers 6(L):16-17. 1952. (Doc.5) 60.19 In86

21668 HÖHNE. Futtergewinnung für die künstliche trocknung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2088-2089. Dec.20,1952. 18 L2346

21669 HOLMES, W. The intensive management of pasture for dairy cows. Internatl. Grassland Conf. Abs. Papers 6(B):15-16. 1952. (Doc.5) 60.19 In86

21670 HUBBARD, W. A., and SMOLIAK, S. Effect of contour dykes and furrows on short-grass prairie. J. Range Mangt. 6:55-62. Jan.1953. 60.18 J82

21671 HUGUES, P., DENOY, I., and FERRET, M. Evolution de la flore et variation de rendement d'une prairie de fauche irriguée en Crau sous l'influence de diverses fumures minérales. Prog. Agr. et Vitic. Dec. 21/28,1952:366-372. 14 P94

21672 HUNNICUTT, W. D. More milk dollars per acre. South. Dairy Prod. J. 53:50-53,60,62-63. Jan.1953. 44.8 So83
Grassland management.

21673 INTERNATIONAL GRASSLAND CONGRESS, 6, 1952. Abstracts of papers, Section A-L. State College, Pa.,1952. 12 v. 60.19 In86

21674 INTERNATIONAL GRASSLAND CONGRESS. 6th, STATE COLLEGE, 1952. List of publications on grassland agriculture and related subjects selected for display at the sixth International Grassland Congress. State College, Pa., 1952. 30 p. 241 In822

21675 ÎURÎSOVSKIÎ, M. A. Postharvest plantings [of forage crops]. (In Russian.) Sotsialist. Zhivotnovod. 14(7):19-21. July 1952. 49 So71

21676 JANSA, W. Ueber den wahren wert des grassamenbaues. Landwirt. Wchnbl. 142:1437-1438. Dec.13, 1952. 18 L2338
Germany.

21677 JÄNTTI, A. Comparisons of the productivity of permanent and rotation pasture on plowable land. Internatl. Grassland Conf. Abs. Papers 6(B):17-18. 1952. (Doc.5) 60.19 In86

21678 JOHNSTON, A. Essentials underlying selection of species for range reseeding in western Canada. Internatl. Grassland Conf. Abs. Papers 6(C):13-14. 1952. (Doc.5) 60.19 In86

21679 JONES, L. G., and KEPNER, R. A. Recent advances in legume seed harvesting techniques. Internatl. Grassland Conf. Abs. Papers 6(F):26. 1952. (Doc.5) 60.19 In86

21680 JONES, M. Characteristics of grasses and legumes in relation to their requirements for silage making. Internatl. Grassland Conf. Abs. Papers 6(H): 21-22. 1952. (Doc.5) 60.19 In86

21681 JULÉN, G. The forage plant day at Svalöf, June 10, 1952. (In Swedish.) Sveriges Utsädesför. Tidskr. 62:386-391. 1952. 61.9 Sv23
Chiefly on the culture of forage plants.

21682 KARASEV, I. I. Experiments in organizing forage crop rotations on kolkhozes in the timber steppelands of the Ukrainian SSR. (In Russian.) Kormovaîa Baza 3(8):15-19. Aug.1952. 60.8 K84

21683 KARASHCHUK, I. M. Question of using wild yellow alfalfa in work of selection. (In Russian.) Vsesoîuzn. Soveshchanie Bot. i Selekerov. Mater. 1:67-74. Ref. 1950,pub.1951. 451 V963

21684 KARUNIN, B. A. Harvesting perennial grasses and legumes grown for seeds. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:9-11. July 1952. 20 D742
In Russian.

21685 KATKOV, B. P. Culture of forage watermelon in the South-East of U.S.S.R. (In Russian.) Sotsialist. Zhivotnovod. 14(9):6-11. Sept.1952. 49 So71

21686 KAUTER, A. The management and improvement of mountain and alpine meadows in central Europe. Internatl. Grassland Conf. Abs. Papers 6(B):21. 1952. (Doc.5) 60.19 In86

21687 KAWASE, I. The improvement of river-side grasslands and levees in Japan. Internatl. Grassland Conf. Abs. Papers 6(B):22. 1952. (Doc.5) 60.19 In86

21688 KEARSEY, E. M. Early spring grazing. Farming Gloucestershire 11:47-48. 1952. 10 F2291

21689 KHAN, M. I. Improvement and management of range (waste) lands in west Pakistan. Internatl. Grassland Conf. Abs. Papers 6(C):15-16. 1952. (Doc.5) 60.19 In86

21690 KHATUNTSEV, I. A. Planting clover in the Vladimir Region. (In Russian.) Selek. i Semen. 19(10): 32-38. Oct.1952. 61.9 Se5

21691 KHOROSHILOV, I. I. For an extensive introduction of summer plantings of perennial grasses and legumes. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:3-7. June 1952. 20 D742

21692 KJAER, A. Seed production of grasses and pasture legumes in Denmark with special reference to the maintenance of varietal identity. Internatl. Grassland Conf. Abs. Papers 6(F):27-28. 1952. (Doc.5) 60.19 In86

21693 KLEVER, H. Unsere weiden im herbst. Deut. Landwirt.-Gesell. Mitt. 67:775-776. Oct.23,1952. 18 N39

21694 KLIPPLE, G. E. A forage quality classification of short-grass range species on the central Great Plains. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:74. Oct.1952. 500 C717

21695 KLOKOV, K. P. Forage crop rotations. (In Russian.) Kormovaîa Baza 3(8):10-14. Aug.1952. 60.8 K84

21696 KOBLET, R. Effect of leys on the occurrence of weeds and some soil-borne diseases in subsequent crops. Internatl. Grassland Conf. Abs. Papers 6(B):23. 1952. (Doc.5) 60.19 In86

21697 KONSTANTINOVA, A. M. Factors in selection when working with wild alfalfa. (In Russian.) Vsesoîuzn. Soveshchanie Bot. i Selekerov. Mater. 1:52-65. Ref. 1950,pub.1951. 451 V963

21698 KOTOV, P. Continuous green feed supply for the Central Chernozem Area. (In Russian.) Kolkhoz. Proizvodstvo 12(7):57-59. July 1952. 281.8 K83
Chiefly on culture of forage plants.

21699 KOZIFSKAÎA, P. F. Additional seeding of perennial legumes and grasses under millet. (In Russian.) Umanskiî Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch. Issled. Rabot 1:12-14. 1951. 106 Um1

21700 KOZLOV, F. B. 97 centners of hay per hectare. (In Russian.) Sotsialist. Zhivotnovod. 14(7):17-18. July 1952. 49 So71

21701 KRAMER, H. H Agronomic problems of strain evaluation with forage crops. Internatl. Grassland Conf. Abs. Papers 6(A):23-24. 1952. (Doc.5) 60.19 In86

21702 KRAMER, N. W. Revolution in sorghums. South. Seedsman 16:13,81,84. Jan.1953. 61.8 So8

21703 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(42):8; (44):11. (Cont.) Oct.17,31,1952. 18 B324
Germany.

21704 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(46):10. (Cont.) Nov.14, 1952. 18 B324
Germany.

21705 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(49):16. (Cont.) Dec.1952 18 B324
Germany.

21706 KREMINSKII, V. P. Winter vetch together with winter rye in the steppe zone. (In Russian.) Kormovaîa Baza 3(8):44-45. Aug.1952. 60.8 K84

21707 KUMAR, L. S. S. The problem of pressure of grazing on native pastures. Internatl. Grassland Conf. Doc. 6(9),16 p. 1952. 60.19 In86

21708 KUZNETSOVA, E. N. Timely harvest without waste of feed root crops. (In Russian.) Kormovaîa Baza 3(8):46-49. Aug.1952. 60.8 K84

21709 LARIN, I. V. Study of USSR flora in regard to forage plants and selection from it of new species for cultivation. (In Russian.) Vsesoîuzn. Soveshchanie Bot. i Selekerov. Mater. 1:29-51. 1950,pub.1951. 451 V963

21710 LAUMONT, P., and GUEIT, M. La vesce de Cerdagne. Soc. des Agr. d'Algérie. B. 96(566):220-236. Ref. 1952. 24 So1

21711 LECKY, T. P. Discussion of "cattle pastures of tropical Australia." Internatl. Grassland Conf. Abs. Papers 6(L):18-19. 1952. (Doc.5) 60.19 In86
C. S. Christian, author of original paper.

21712 LEGRAND, P. La production du brome en Alsace. Potasse 26:208-211. Dec.1952. 57.8 P84

21713 LEWIS, A. H. High production from leys for ensiling and dehydrating. Internatl. Grassland Conf. Abs. Papers 6(E):14-15. 1952. (Doc.5) 60.19 In86

21714 LEWIS, K. Strip or break grazing. Power Farming Austral. & New Zeal. 61(10):103,105,107. Oct. 1952. 58.8 P87

21715 LEZHAVA, O. Question of planting seed alfalfa as a catch crop. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Polevod. Trudy 6:67-77. Ref. 1951. 64.9 Ak12
Russian summary.

21716 LINEHAN, P. A. Use of cage and mower-strip methods for measuring the forage consumed by grazing animals. Internatl. Grassland Conf. Abs. Papers 6(K): 20-21. 1952. (Doc.5) 60.19 In86

21717 LINNARTZ, N. E. Range management for the small ranch. Sheep & Goat Raiser 33(4):16,18. Jan.1953. 45.8 Sh3

21718 LOWERY, J. C. 1952, a year of pasture progress. Prog. Farmer, Ga.-Ala.-Fla. Ed. 67(12):17, 108. Dec.1952. 6 P945G

21719 LUBENETS, P. A. Importance of local wild-grasses for sowing field grass in northern Caucasus. (In Russian.) Vsesoiuzn. Soveshchanie Bot. i Selekerov. Mater. 1:75-86. 1950,pub.1951. 451 V963

21720 LUNDBLAD, K. The hay fields. (In Swedish.) (Sum.) Lantmannen 36:1011. Dec.6,1952. 11 L234
Culture.

21721 LUSH, R. H. Pasture production and management. New York,Blakiston,1952. 193 p. 60.1 L97

21722 MCINTYRE, G. A., and DAVIES, J. G. Small plot studies in the evaluation of pasture intended for grazing. Internatl. Grassland Conf. Abs. Papers 6(K): 22. 1952. (Doc.5) 60.19 In86

21723 MCKENZIE, R. E., HEINRICHS, D. H., and ANDERSON, L. J. Hay and crude protein yields, winter hardiness and wilt resistance of alfalfa varieties. Sci. Agr. 32:626-633. Dec.1952. 7 Sci2

21724 MCMEEKAN, C. P. Interdependence of grassland and livestock in agricultural production. Internatl. Grassland Conf. Doc. 6(14),2 p. 1952. 60.19 In86

21725 MAHU, H. La culture de la luzerne en Condroz. Quatre-Bras,Nandrin,1952. 32 p. (L'Ecole Provinciale d'Agriculture du Condroz.Publication) 60.3 M27

21726 MAKAROV, V. T. In regard to obtaining high yields of clover seeds in Tomsk Region. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:31-40. 1951. 511 T59

21727 MANAKOV, V. S. Organization of forage base for sheep in the south-eastern part of Kara Kum. (In Russian.) Kormovaîa Baza 3(8):20-23. Aug.1952. 60.8 K84

21728 MARLOWE, T. J., and BARRENTINE, B. F. Best return from ryegrass-crimson clover paddocks. Miss. Farm Res. [Miss. Sta.] 15(11):2. Nov.1952. 100 M69Mi

21729 MARLOWE, T. J., and BARRENTINE, B. F. Heavy grazing compared with light grazing. Miss. Farm Res. [Miss. Sta.] 15(11):2. Nov.1952. 100 M69M8

21730 MATLOCK, R. S. An evaluation of synthetic varieties of alfalfa in successive generations with respect to various agronomic characters. Nebr. U. Abs. Doct. Diss. 13:26-31. 1952. 241.8 N28

21731 MAYMONE, B. Problems relating to harvesting and preserving forage in southern Europe. Internatl. Grassland Conf. Abs. Papers 6(H):26-27. 1952. (Doc. 5) 60.19 In86

21732 MICKAN. Zur intensiven nutzung des grünlandes—eine weidelehrfahrt. Landwirtbl. Weser-Ems 99:1159. Nov.13,1952. 18 L2345

21733 MILLER, A. E., and DWYER, C. H. Improved management of irrigated pastures pay dividends. U. S. D. A. PA-205,8 p. Sept.1952. 1 Ag84Pro

21734 MININA, I. P. Autumn work on meadows and pastures. (In Russian.) Sotsialist. Zhivotnovod. 14(9):12-15. Sept.1952. 49 So71

21735 MONK, R. W., and STEWART, G. Seasonal variations of crude protein and phosphorus in four range plants used for reseeding. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Note 1,5 p. Sept.1951. 1.9622 I2R312

21736 MOORE, H. I. Science and practice in cropping for meat and milk. London,Allen & Unwin,1952. 126 p. 60.1 M78Sc

21737 MOORE, I. Look back over the past year; it will help in making plans for the future. Farmer & Stock-Breeder 67(3298);49-50. Jan.6,1953. 10 F228
Chiefly grass and feed production in Great Britain.

21738 MOORE, L. A., and SHEPHERD, J. B. Comparative efficiency of various methods of harvesting and preserving forages. Internatl. Grassland Conf. Abs. Papers 6(H):28-29. 1952. (Doc.5) 60.19 In86

21739 MOTT, G. O., and LUCAS, H. L. The design, conduct, and interpretation of grazing trials on cultivated and improved pastures. Internatl. Grassland Conf. Abs. Papers 6(K):23. 1952. (Doc.5) 60.19 In86

21740 MOTTA, M. S. Grasses and fodder resources in the British tropics. Empire J. Expt. Agr. 20:283-292. Ref. Oct.1952. 10 Em7

21741 MÜCKENBERGER. Luzerneanbau—aber nicht "auf gut glück"! Praxis u. Forsch. 4:130-131. Oct.20, 1952. 18 P89
Germany.

21742 MUÑOZ, C. Essentials underlying selection of species for range reseeding. Internatl. Grassland Conf. Abs. Papers 6(C):17-18. 1952. (Doc.5) 60.19 In86
Chile.

21743 MYERS, W. M. Research needs of the grasslands program. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:163. 1951. 4 As7

21744 MYERS, W. W. Valor potencial de los pastizales. Rev. de Agr. P. R. 43:184-190. Jan./June 1952. 8 R325

21745 NEAL, E. M., HALL, R. A., and JONES, J. H. Report on common, sweet and Tift Sudan for pasturage. Tex. Livestock J. 11(11):9. Nov.15,1952. 49 T29
Use for beef cattle.

21746 NESMIIAN, I. N. Methods, amount and time for planting timothy for seeds. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:92-97. 1951. 56.9 K52

21747 NIKITIN, V. V. Results of the work of the Turkmenian affiliate of the Academy of sciences, USSR, for cultivation of wild-legumes. (In Russian.) Vsesoîuzn. Soveshchanie Bot. i Selekerov. Mater. 1:87-93. 1950,pub.1951. 451 V963

21748 NILSSON-LEISSNER, G. Problems in encouraging the use of adapted forage seeds in different parts of the world. Internatl. Grassland Conf. Abs. Papers 6(F): 30. 1952. (Doc.5) 60.19 In86

21749 NORDEN, F. Modern methods used in grass seed harvest with special respect to conditions in northwestern Europe. Internatl. Grassland Conf. Abs. Papers 6(F):31. 1952. (Doc.5) 60.19 In86

21750 OLOMOUC. Utilizing meadows and pastures on border-line territory. (In Czech.) Za Socialist. Zeměděl. 2:1128-1134. Oct.1952. 19.5 Z1

21751 ORSI, S. Growing forage plants in the United States of America. (In Italian.) Georgofili (ser.6)16: 32-52. 1952. 507 F51

21752 OSBORNE, J. G., and REID, E. H. The design, conduct, and interpretation of range grazing studies. Internatl. Grassland Conf. Abs. Papers 6(K):24-25. 1952. (Doc.5) 60.19 In86

21753 PARKER, K. W. The role of plant ecology in range research and range management. Internatl. Grassland Conf. Abs. Papers 6(D):11-12. 1952. (Doc.5) 60.19 In86

21754 PASINI, B. Winter care of alfalfa fields. (In Italian.) Agr. Ferrarese 56:15-16. Jan.31,1952. 16 Ag87

21755 PASSEY, H. B., and WINN, D. S. Management of reseeded range and its place in ranch operation. J. Range Mangt. 6:11-15. Jan.1953. 60.18 J82

21756 PAULUSBERGER, R. Pflanzt mehr topinambur Österr. Kleintierzüchter 19/20:160. (Concl.) Oct.1952. 49 Os7

21757 PEARSE, C. K. Methods and procedures for successful reseeding of range lands. Internatl. Grassland Conf. Abs. Papers 6(C):19-20. 1952. (Doc.5) 60.19 In86
Disscussion by D. H. Heinrichs, p. 11-12.

21758 PÉREZ CALVET, R. Essentials underlying selection of species for range and other dry area zone reseeding. Internatl. Grassland Conf. Abs. Papers 6(C): 22-23. 1952. (Doc.5) 60.19 In86
Spain.

21759 PICARD, J., and DEMARLY, Y. The self-fertility of lucerne, its biological conditioning. Internatl. Grassland Conf. Abs. Papers 6(A):35-36. 1952. (Doc.5) 60.19 In86

21760 POLLARD, H. A. Bankers bet on range management. Utah Farmer 73:6,26. Jan.1,1953. 6 D45

21761 POMES, R. M. Informe sobre pastos existentes en Cuba. (Extr.) Rev. Ganad. [Habana] 13:37-39. Jan.1953. 49 R321

21762 PRICE, R., and SPRINGFIELD, H. W. Research in the management of arid and semi-arid range lands. Internatl. Grassland Conf. Abs. Papers 6(C):24. 1952. (Doc.5) 60.19 In86

21763 PRIMEAUX, E. Fall-to-spring grazing experiments by Swift Co. Gulf Coast Cattleman 18(9):25-26. Nov.1952. 43.8 G95

21764 REID, E. H. Lost—half our range grazing: ranges must be managed. Windrow 2(5):4-5. Nov.1952. 60.18 W72

21765 REID, J. T. Indicator methods, their potentialities and limitations. Internatl. Grassland Conf. Abs. Papers 6(K):26-27. 1952. (Doc.5) 60.19 In86
Discussion by R. M. Forbes, p.6-7.

21766 REINHARDT-BURGWERBEN, U. Betriebswirtschaftliche fragen der futterwirtschaft in grünlandbetrieben der Marsch. Deut. Landwirt. Gesell. Mitt. 67: 867-869. (Cont.) Nov.20,1952. 18 N39

21767 REINHARDT-BURGWERBEN, U. Betriebswirtschaftliche fragen der futterwirtschaft in grünlandbetrieben der Marsch. Deut. Landwirt. Gesell. Mitt. 67: 894-897. (Cont.) Nov.27,1952. 18 N39
Includes the crop rotation.

21768 REISS, E. Purple vetch for seed. (In Hebrew.) Hassadeh 33:9. Oct.1952. 26 H27

21769 RIEWE, M. E., and SMITH, J. C. Berseem clover for forage and seed production. Tex. Agr. Expt. Sta. Prog. Rpt. 1494,5 p. Sept.8,1952. 100 T31P

21770 RIVERA BRENES, L. El mejoramiento de los forrajes es factor de vital importancia para Puerto Rico. Rev. de Agr. P. R. 43:191-194. Jan./June 1952. 8 R325

21771 RIVERA BRENES, L. Pasture problems and research in Puerto Rico as related to animal production. Internatl. Grassland Conf. Abs. Papers 6(L):21. 1952. (Doc.5) 60.19 In86
Discussion by C. Gaztambide Arrillaga G., p.11-12.

21772 ROGERS, M. A. Distribution of cultivated forage plants in Chile. Internatl. Grassland Conf. Abs. Papers 6(D):15-16. 1952. (Doc.5) 60.19 In86

21773 ROMASHEV, P. I. Autumn work to improve meadows and pastures. (In Russian.) Kormovaîa Baza 3(9):18-23. Sept.1952. 60.9 K84

21774 ROSIĆ, K. Lespedeza cuneata. (In Serbo-Croatian.) Biljna Proizvodnja 5:169-172. July/Aug. 1952. 64.8 B49

21775 ROWLAND, J. W., and BUMPUS, E. D. The place of legumes in the sward. Internatl. Grassland Conf. Abs. Papers 6(b):26. 1952. (Doc.5) 60.19 In86

21776 RYCKE, E. DE. Lucerne or lucerne clover [Medicago sativa]. (In Flemish.) Cult. en Handel 18:720-721. Dec.1952. 80 C892

21777 SACHS, E. Futterpflanzenzüchtung, sortentyp und leistungsprüfungen. Grünland 1:81-83. Nov.1952. 18 G922

21778 SAJOR, V., and SANTOS, T. S. Grasses in the Philippines. Internatl. Grassland Conf. Abs. Papers 6(L): 22. 1952. (Doc.5) 60.19 In86

21779 SCHERRET. Zur leistungssteigerung des natürlichen grünlandes. Hannoversche Land- u. Forstwirt. Ztg. 105:1218. (Concl.) Nov.29,1952. 18 H194
Management.

21780 SCHOTH, H. A. Cultural practices best adapted to the production of planting stock materials of grasses. Internatl. Grassland Conf. Abs. Papers 6(F): 32. 1952. (Doc.5) 60.19 In86

21781 SCHULZE, A. Ueber schnittzeit und schnitthäufigkeit auf dauerwiesen. Grünland 1:75-76. Oct. 1952. 18 G922

21782 SCOTT, J. D. The management of range pastures (veld) in Africa. Internatl. Grassland Conf. Abs. Papers 6(C):27-28. 1952. (Doc.5) 60.19 In86

21783 SEARS, P. D. Pasture management for higher production in New Zealand. Internatl. Grassland Conf. Abs. Papers 6(E):25. 1952. (Doc.5) 60.19 In86

21784 SEATON, S. H. Lancashire dairy farmer. Country Guide 71(12):7,49. Dec.1952. 7 G76
Chiefly pasture management in Great Britain.

21785 SCHOENMAECKERS, J. Interêt du Leucaena glauca (L.) Benth. pour l'elevage, l'agriculture et la sylviculture au Congo Belge. B. de Doc. et de Tech. Agr. 6(19):31-40. First Q.1952. 24 B873

21786 SCHUMACHER, C. M. Bunch grass as an important prairie hay. II. Little bluestem [Andropogon scoparius]. Nebr. Cattleman 9(4):59-60. Dec.1952. 43.8 N27

21787 SERGEEV, P. A. Use of lime and other fertilizers for clover and grass mixtures. (In Russian.) Kormovaîa Baza 3(8):28-32. Aug.1952. 60.8 K84

21788 SILENKO, Z. V. Autumn planting of fodder beets. (In Russian.) Kormovaîa Baza 3(9):37-42. Sept. 1952. 60.8 K84

21789 SIMPSON, G. S. The choice of a seed mixture for pastures. Farming So. Africa 27:480. Oct.1952. 24 So842

21790 SIVAK, P. V. Dates for planting perennial legumes and grasses. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:7-11. 1951. 106 Um1

21791 SIVCHIK, B. S., and CHAULE, E. îA. Fodder value of heather [Erica]. (In Russian.) Kormovaîa Baza 3(9):58-60. Sept.1952. 60.8 K84

21792 SLANGER, B. S. Range condition classes. Mont. Stockgrower 24(11):18-19. Nov.15,1952. 49 M76

21793 SMIRNOV, B. M. Cleaning seeds of awnless Bromus. (In Russian.) Selek. i Semen. 19(10):77. Oct. 1952. 61.9 Se5

21794 SMITH, A. D. Consumption of native forage species by captive mule deer during summer. J. Range Mangt. 6:30-37. Jan.1953. 60.18 J82

21795 SMOLIAK, S., and PETERS, H. F. Range and livestock management in the shortgrass prairie region of southern Alberta and Saskatchewan. Canada. Dept. Agr. P 876,11 p. Nov.1952. 7 C16Pu

21796 SOBOLEVA, A. P., and NEGRI, B. S. Forage base of the South Ukrainian steppes under irrigation conditions. (In Russian.) Kormovaîa Baza 3(9):7-15. Sept. 1952. 60.8 K84

21797 SOUTHERN PASTURE AND FORAGE CROPS IMPROVEMENT CONFERENCE. Report of the ninth conference, Baton Rouge, Louisiana, April 24-25, 1952, by P. R. Henson. Baton Rouge,La. Agr. Expt. Sta.,1952. 28 p. 60.19 So83
Contributions by W. G. Taggart, R. L. Lush, W. W. Woodhouse, D. G. Sturkie, and R. K. Walker.

21798 SOUTHERN RHODESIA. GRASSLANDS RESEARCH STATION. PASTURE SECT. Annual report for year ended 1951. Rhodesia Agr. J. 49:293-302. Sept./Oct 1952. 24 R34

21799 SPRAGUE, V. G. Maintaining legumes in the stand. Internatl. Grassland Conf. Abs. Papers 6(B): 27-28. 1952. (Doc.5) 60.19 In86

21800 STAFIICHUK, A. A. Feed value of "bead" vetch. (In Russian.) Kormovaîa Baza 3(8):53-54. Aug. 1952. 60.8 K84

21801 STATEN, H. W. Grasses and grassland farming. New York,Devin-Adair,1952. 319 p. Ref. 60.1 St22

21802 STEBBINS, G. L. Species hybrids in grasses. Internatl. Grassland Conf. Abs. Papers 6(A):41-42. 1952. (Doc.5) 60.19 In86

21803 STODDART, L. A. Estimating the carrying capacity of ranges. Internatl. Grassland Conf. Abs. Papers 6(K):32-33. 1952. (Doc.5) 60.19 In86

21804 STOESZ, A. D., and SMITH, J. E. The techniques of harvesting and processing native grass seed. Internatl. Grassland Conf. Abs. Papers 6(F):35-36. 1952. (Doc.5) 60.19 In86

21805 STORRAR, A. Methods and procedures for successful reseeding of range lands in east Africa. Internatl. Grassland Conf. Abs. Papers 6(C):29-30. 1952. (Doc.5) 60.19 In86

21806 STRANGE, R. Observations on the use of legumes in tropical mixed farming. Internatl. Grassland Conf. Abs. Papers 6(L):26-27. 1952. (Doc.5) 60.19 In86

21807 STUCKEY, I. H. Better forage crops. Research [R. I. Sta.] 3:6-8. Summer 1952. 100 R34R

21808 SUITER, J. Heuerntemethoden in den USA. Grünland 1:78-80. Oct.1952. 18 G922

21809 SULZER, S. P. Les legumineuses des prairies. Potasse 26:199-200. Dec.1952. 57.8 P84

21810 TAKAHASHI, M. Tropical forage legume and browse plants research in Hawaii. Internatl. Grassland Conf. Abs. Papers 6(L):28-29. 1952. (Doc.5) 60.19 In86

21811 TALBOT, M. W. The Sixth International Grassland Congress. J. Range Mangt. 6:3-5. Jan.1953. 60.18 J82

21812 TAMESIS, F., and SAJOR, V. Forest grazing in the Philippines. Internatl. Grassland Conf. Abs. Papers 6(L):30-31. 1952. (Doc.5) 60.19 In86

21813 TATON, A. Les pâturages de la région de Nioka. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 1:253-264. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4). Dec.1952. 24 K83

21814 TEIXEIRA, C. Pigeonpea, the Zebu of legumes. (In Portuguese.) Soc. Rur. Bras. Rev. 32(381): 100-101. Oct.1952. 9.2 B733

21815 TERENOZHKIN, I. I., and ISAEVA, M. S. Extension in cultivation of the Blue Volga-Akhtuba alfalfa. (In Russian.) Kormovaîa Baza 3(8):41-44. Aug.1952. 60.8 K84

21816 THOMPSON, W. R. For good pastures, the most important ingredient—good management. Prog. Farmer, Miss.-Ark.-La. Ed. 68:18,87. Jan.1953. 6 So81

21817 THORNTHWAITE, C. W. Grassland climates. Internatl. Grassland Conf. Abs. Papers 6(D):19. 1952. (Doc.5) 60.19 In86

21818 THROCKMORTON, R. I. Report of conditions in the Great Plains as of July 1, 1952. Great Plains Agr. Council. Proc. 1952:32-34. 282. G7992
Grassland programs, chiefly.

21819 TIKHONOV, M. New alfalfa variety, Stepnaîa 600. (In Russian.) Kolkhoz. Proizvodstvo 12(7):60-61. July 1952. 281.8 K83

21820 TODD, F. E., and VANSELL, G. H. The role of pollinating insects in legume seed production. Internatl. Grassland Conf. Abs. Papers 6(F):37. 1952. (Doc.5) 60.19 In86

21821 TOMÉ, G. A. Alfalfa breeding progress in Argentina. Internatl. Grassland Conf. Abs. Papers 6(A):43. 1952. (Doc.5) 60.19 In86

21822 TREPACHEV, E. P., and LATYPOV, A. G. Chemical characteristics of certain varieties of foxtail millet (Setaria italica). (In Russian.) Kormovaîa Baza 3(9):57-58. Sept.1952. 60.8 K84

21823 TURNER, B. Certified grass seed production in Tasmania. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:298-301. Nov.1952. 23 T182T

21824 UNGLAUB, H. Die nutzungsdauer der luzerne. Deut. Landwirt. Gesell. Mitt. 67:871. Nov.20,1952. 18 N39

21825 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Report of observations on dryland grazing alfalfas, 1951, compiled by O. S. Aamodt. Beltsville,Md.,1952. 25 p. 1.965 F2R293

21826 U. S. EXTENSION SERV. Grasslands program. Washington?n.d. 5 p. 1.913 I2G76

21827 U. S. FARMERS HOME ADMIN. Save grain through good pasture. U. S. Farmers Home Admin. Farm Mangt. Notes 24,4 p. June 28,1952. 1.949 F2228
Pasture improvement.

21828 VENTURO, P. The growing of alfalfa on sea sands. Internatl. Grassland Conf. Abs. Papers 6(C):33-34. 1952. (Doc.5) 60.19 In86
Peru.

21829 VENTURO, P., and ALVAREZ CALDERON, R. Range management in the high Andes of Peru. Internatl. Grassland Conf. Abs. Papers 6(C):31-32. 1952. (Doc.5) 60.19 In86

21830 VOLIO, C. A. Problems in development of a grassland program in the American Tropics. Internatl. Grassland Conf. Doc. 6(11),14 p. 1952. 60.19 In86

21831 VOLPINI, A. Pastures and grasslands. (In Italian.) Allevatore 8(41):3. Oct.12,1952. 49 AL55

21832 WACHTER, H. VON. Grünland-lehrschauen auf dem lande. Grünland 1:85-86. Nov.1952. 18 G922
Germany.

21833 WAGNER, R. E. Weight estimation and other procedures for measuring the botanical composition of pastures. Internatl. Grassland Conf. Abs. Papers 6(K): 34-35. 1952. (Doc.5) 60.19 In86

21834 WAGNER, R. E. Yields and botanical composition of four grass-legume mixtures under differential cutting. U. S. D. A. Tech. B. 1063,53 p. Ref.,p.49-53. Oct.1952. 1 Ag84Te

21835 WAHLEN, F. T. Grassland resources and potentials of the world. Internatl. Grassland Conf. Doc. 6(12),15 p. 1952. 60.19 In86

21836 WALLACE, A. T., and KILLINGER, G. B. Big trefoil [Lotus uliginosus]—a new pasture legume for Florida. Fla. Agr. Expt. Sta. C. S-49,6 p. Aug.1952. 100 F66Ci

21837 WARMKE, H. E., FREYRE, R. H., and GARCIA, J. Evaluation of some tropical grass-legume associations. Trop. Agr. [St. Augustine] 29:115-121. Apr./June 1952. 26 T754

21838 WASSER, C. H., and HERVEY, D. F. Essentials underlying selection of species for range reseeding. Internatl. Grassland Conf. Abs. Papers 6(C):35-36. 1952. (Doc.5) 60.19 In86

21839 WATSON, J. S., and WILLIAMS, A. G. Putting grassland information to work. Internatl. Grassland Conf. Doc. 6(13),14 p. 1952. 60.19 In86

21840 WATSON, S. J. Grassland. Inst. Corn & Agr. Merchants. J. 3:123-128. Autumn 1952. 10 In7

21841 WEAVER, J. E., and ROWLAND, N. W. Effects of excessive natural mulch on development, yield, and structure of native grassland. Bot. Gaz. 114:1-19. Ref. Sept.1952. 450 B652

21842 WEXELSEN, H. The use of inbreeding in forage crops. Internatl. Grassland Conf. Abs. Papers 6(A):45-46. 1952. (Doc.5) 60.19 In86

21843 WHEELOCK C., T. Grasses in cropland and dry season pasture. Internatl. Grassland Conf. Abs. Papers 6(L):34-35. 1952. (Doc.5) 60.19 In86

21844 WHITE, H. F. Increased primary production—the way out. Past. Rev. 62:1185. Nov.15,1952. 23 Au75
Grassland farming.

21845 WHITE, W. J., and STEVENSON, T. M. The Canadian co-operative program of forage crop improvement. Internatl. Grassland Conf. Abs. Papers 6(A):49-50. 1952. (Doc.5) 60.19 In86

21846 WHITTET, J. N. Essentials underlying selection of species for range and other dry area zone reseeding. Internatl. Grassland Conf. Abs. Papers 6(C): 37-38. 1952. (Doc.5) 60.19 In86

21847 WILLIAMS, R. E. Modern cattle drive. Soil Conserv. 18:99-100,112. Dec.1952. 1.6 So3S
Marsh range and cut-over longleaf-pine range provide year-round grazing in Louisiana.

21848 WILLIAMS, R. E. Walkways improve grazing distribution. J. Soil & Water Conserv. 7:125-127. July 1952. 56.8 J822

21849 WIT, F Techniques of breeding cold resistant grasses and clovers. Internatl. Grassland Conf. Abs. Papers 6(A):51-52. 1952. (Doc.5) 60.19 In86

21850 WOOD, J. R., and others. Clover variety tests at Kirbyville and Cleveland, 1950-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1497,5 p. Sept.25,1952. 100 T31P
C. A. Burleson, E. D. Cook, and R. P. Bates, joint authors.

21851 YOUNG, H. M., and NESIUS, E. J. Planning for economic production of pasture. Ky. Agr. Col. Ext. C. 498,22 p. Oct.1952. 275.29 K415

21852 YOUNGE, O. R. Alfalfa in Hawaii. Hawaii Farm Sci. [Hawaii Sta.] 1(1):3,8. Apr.1952. 100 H314

21853 YOUNGMAN, P. If you're interested in grass, you should see the South. Oreg. Farmer 75:921-922. Dec.4,1952. 6 Or32

21854 ZINCHENKO, A. I. Selection of best grass-legume mixtures for field crop rotations under conditions of the southern part of the forest-steppe of Ukrainian SSR. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:4-6. 1951. 106 Um1

Oil Crops

21855 ÅKERBERG, E. Oil plant culture. (In Swedish) (Sum.) Lantmannen 36:1010. Dec.6,1952. 11 L234

21856 ANDERSSON, G. Svalöf Tenus winter rape. (In Swedish.) Sveriges Utsädesför. Tidskr. 62:381-385. 1952. 61.9 Sv23
English summary.

21857 BAR-YEHUDA, R. Soya bean growing at Neot Mordecai. (In Hebrew.) Hassadeh 33:6-8. Oct.1952. 26 H27

21858 BOUFFIL, F., and TOURTE, R. L'écimage de l'arachide: pratique à condamner. France. Dir. de l'Agr. de l'Elevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:136-143. Sept.1952. 26 F84B

21859 CAN YOU make money with safflower? Farm Mangt. 2:25-29. Nov./Dec.1952. 281.8 F2225
Culture, harvesting, and production costs.

21860 CARVER, W. A., HULL, F. H., and CLARK, F. The early runner peanut variety. Fla. Agr. Expt. Sta. C. S-52,4 p. Oct.1952. 100 F66Ci

21861 CZERWINSKI, E. Soja [Soybeans]. Warszawa, Państwowe Wydawnictwo Rolnicze i Leśne,1951. 117 p. Ref. 60.3 C992

21862 DZHAPARIDZE, KH. E. Ideal spacing for sunflower under conditions of Ukanamkhare Kakheti. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Polevod. Trudy 6:59-66. Ref. 1951. 64.9 Ak12
Russian summary.

21863 FRENCH WEST AFRICA. INSPECTION GÉNÉRALE DE L'AGRICULTURE. Mise au point de la question de l'arachide au Senegal. Bambey Cent. de Rech. Agron. B. 4:41-46. 1952. 24 B21
Culture.

21864 GUILLEMIN, R. Etudes agronomiques sur l'arachide en A. E. F. Oléagineux 7:699-704. Dec.1952. 77.8 OL2

21865 HEISER, C. B. The sunflowers from Tularosa Cave, New Mexico. (Abs.) Ind. Acad. Sci. Proc. 61:47. 1951,pub.1952. 500 In2

21866 KAIZUKA, H. General characteristics and chemical productivity of some new superior soy bean strains recommendable for cultivation in Tokachi District. (In Japanese.) Obihiro. Zootech. U. Res. B. 1(2): 57-68. Mar.1952. 513 Ob3
English summary.

21867 KUMAZAWA, S., and NISHIMURA, S. Classification of peanut varieties. (In Japanese.) Hort. Assoc. Japan. J. 21:65-72. Ref. Sept.1952. 87 H78

21868 MOROZOV, V. K. New sunflower variety, Saratovskiĭ 10. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:29-31. Aug.1952. 20 D742

21869 NARAIN, A. Bloom character in castor oil plant (Ricinus communis Linn.) Cur. Sci. 21:166-167. June 1952. 475 Sci23

21870 NIESER, O. Senf- und indische rapssaaten. Saatgut-Wirt. 4:230. Oct.1952. 61.8 Sa1
Germany.

21871 PELLETT, K. Soybeans and beef. Soybean Digest 13(2):14-16. Dec.1952. 60.38 So9

21872 PENDLETON, J. W., and others. Soybean varieties for Illinois. Ill. Agr. Col. Ext. C. 700,8 p. Oct. 1952. 275.29 IL62C
R. D. Osler, C. H. Farnham, and J. L. Cartter, joint authors.

21873 SARRE, M. F. Late-autumn plantings of sunflowers for silage. (In Russian.) Sotsialist. Zhivotnovod. 14(10):94-95. Oct.1952. 49 So71

21874 SOUSA, J. S. I. DE. Facts on castor beans and plants. (In Portuguese.) Chacaras e Quintais 86: 625-627. Nov.15,1952. 9.2 C34
Origin of the plant and culture.

21875 TOURTE, R., and PELISSIER, J. Recherches pluriannuelles de l'écartement optimum de l'arachide au Sénégal (1949-1950-1951). France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:126-135. Sept.1952. 26 F84B

Sugar Crops

21876 BAERTS, F. Quelques aspects de la campagne 1951. Sucr. Belge 72:46-70,93-112. Oct.1/15-Nov.1/15, 1952. 66.8 Su1

21877 BAUSERMAN, H. M. Beet growers—research men—partners. Crystal-ized Facts Sugar Beets 7:21-22. Jan.1953. 66.8 C88

21878 BENGTSSON, T. A black year for Swedish sugar beet growing. (In Swedish.) Lantmannen 36:983. Nov.29,1952. 11 L234

21879 BRYKCZYNSKA, W. Buraki cukrowe [Sugar beets]. Warszawa,Państwowe wydawnictwo Rolnicze i Leśne,1952. 46 p. (Biblioteka Rolnicza Gromady) 66 B84

21880 BUZACOTT, J. H. The sugar cane varieties of New Guinea. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:43-44. Oct.1,1952. 65.9 Q3C

21881 CAMERON, C. Report on the sugar experiment stations for the year 1951. Brit. Guiana Dept. Agr. Sugar B. 20:47-52. 1952. 65.9 B773

21882 CAMERON, C. The variety and fertilizer position of the sugar industry. XVII. Brit. Guiana. Dept. Agr. Sugar B. 20:37-46. 1952. 65.9 B773

21883 CHANISHVILI, SH. F. Using the roots of sugar beets for catch crop planting. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Polevod. Trudy 6:49-58. 1951. 64.9 Ak12
Russian summary.

21884 CIAFFI, B. The beet on hill farms. (In Italian.) Gior. di Agr. 62:391. Dec.21,1952. 16 It1G
Culture in Italy.

21885 CLEMENTS, H. F., SHIGEURA, G., and AKAMINE, E. K. Factors affecting the growth of sugar cane. Hawaii. Agr. Expt. Sta. Tech. B. 18,90 p. Ref. Sept.1952. 100 H313T

21886 COLSON, J. La betterave sucrière dans la plaine du Chéliff et ses environs. Elevage et Cult. 4(46): 13-18. Oct.1952. 24 EL2
Culture.

21887 COMHLUCHT SIUICRE EIREANN. The good farmer's cash and fodder crop. Dublin,1952. 3 p. 60.4 C73
Sugar beets.

21888 CÓMHLUCHT SIÚICRE EIREANN. Decorticated sugar beet seed. Dublin,1952? 3 p. 66 C732

21889 CRAMER, P. J. S. Sugar-cane breeding in Java. Planter 23:520-527. Ref. Nov.1952. 78.8 P69

21890 DE HERRERA, F. Growing sugar beets at an elevation of 7,600 feet. Crystal-ized Facts Sugar Beets 7:35-36. Jan.1953. 66.8 C88

21891 FISCHER, J. H. Improvement—the destiny of the sugar beet crop. Crystal-ized Facts Sugar Beets 7:5-6. Jan.1953. 66.8 C88

21892 FORS, A. L. Further notes on "Pepe Cuca" cane. So. African Sugar J. 36:701,703,705,707,709,711, 713. Nov.1952. 65.8 So8
Cuba.

21893 HANSON, O. Sugar beets. (In Swedish.) Lantmannen 36:1005. Dec.6,1952. 11 L234
Harvesting and yield.

21894 HEINISCH, O. Die wesentlichsten grundsätze für die anlage von rübensteckIingsmieten. Deut. Landwirt. 3:508-512. Oct.1952. 18 D4822
Russian Zone.

21895 HIRIART, E. Producción e industrialización de la betarraga azucarera. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.246-252. Temuco,1952. 27 C7655

21896 HODGSON, R E. Beets are the darndest things! Crystal-ized Facts Sugar Beets 7:7-9. Jan.1953. 66.8 C88
Breeding.

21897 KING, N. J. Are we depending too much on new cane varieties? Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:53-55. Oct.1,1952. 65.9 Q3C

21898 KING, N. J. The new variety—Q.57. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:48-49. Oct.1,1952. 65.9 Q3C

21899 KNOWLES, W. H. C., and CAMERON, C. Field experiments with sugar cane. XX. Brit. Guiana. Dept. Agr. Sugar B. 20:1-36. 1952. 65.9 B773

21900 LANDRAU, P., JR., SAMUELS, G., and LUGO-LOPEZ, M. A. The handling of sugarcane trash. I-II. P. R. U. J. Agr. 36:240-254. Ref. July 1952. 8 P832J
I, by P. Landrau, Jr., and G. Samuels; II, by M. A. Lugo-López, P. Landrau, Jr., and G. Samuels.

21901 LEACH, L. D. Decortication of sugar beet seed. Washington?1951? 38 p. 173.2 Ec72De
Denmark.

21902 LEBLOND, L. Rapport de mission à l'Ile Maurice. École Colon. d'Agr. de Tunis. Assoc. Amicale des Anciens Élèves. B. Period. 132:26-32. Jan./Feb.1952. 24 T833B
Report on sugarcane culture in Mauritius.

21903 LI, H. W. Improvement of varieties of sugarcane in Taiwan. Taiwan Sugar Corp. TSC News Let. 16: 1-6. Apr.20,1952. 65.9 T13

21904 LI, H. W. New sugarcane varieties for Taiwan, F 134 and N:Co 310. Taiwan Sugar Corp. TSC News Let. 2(3):1-6. Aug. 10,1952. 65.9 T13

21905 LÜDECKE. Probleme des rübenvereinzelns unter besonderer berücksichtigung der beschaffenheit des saatgutes. Zucker 5:375-378. Sept.1,1952. 65.8 Z82

21906 MAZLUMOV, A. L. New varieties of sugar beets. (In Russian.) Dostizhenifa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:27-31. June 1952. 20 D742

21907 O'HARA, C. C. Planting beets in Imperial Valley. Crystal-ized Facts Sugar Beets 7:20-21. Jan. 1953. 66.8 C88

21908 OLIVEROS, S. D. My trip to Indonesia. Sugar News [Manila] 28:478-480. Oct.1952. 65.8 Su36

21909 PINEDA, F. A. Observations on methods of sugarcane culture in Sagay, Negros Occidental. Sugar News [Manila] 28:475-477,474. Oct.1952. 65.8 Su36

21910 PINTO F., R. J. Principales aspectos con los cuales se experimenta actualmente en caña de azucar. Col. de Ingen. Agron. An. 4:36-38. 1951. 58.9 C82
Costa Rica.

21911 PISSOT, P. La culture de la canne à sucre à Kom Ombo. Feuilles Agr. 10:23-32. First Q.1952. 24 F43

21912 QUEENSLAND. BUR. OF SUGAR EXPERIMENT STATIONS. Fifty-second annual report. Brisbane,1952. 55 p. 65.9 Q3

21913 ROSENSTAND, T. Experiences with the use of segmented seed 1952. (In Danish.) Dansk Frøavl 35:302-303. Dec.15,1952. 61.8 D23

21914 ROWLETTE, M. Sugar beet growing on co-operative lines. Beet Grower 6:153-155. Oct.1952. 66.8 B392

21915 SCHRÖDER, R. Das zuckerrohr; anbau und verarbeitung in Amerika. Kosmos 48:539-544. Dec.1952. 474 K842

21916 10 YEARS of progress, 1943-1953. Sugar Beet J. 18:26-35,38. Jan.1953. 66.8 Su38

21917 THOMSON, B. C. Sugar cane harvesting. Farm Impl. News 74:86,136. Jan.10,1953. 58.8 F22

21918 TUCKER, R. H. Include sugar beets in your irrigated farm rotations. Crystal-ized Facts Sugar Beets 7:10-11. Jan.1953. 66.8 C88

21919 ZAGOR, M. On the history of the sugar beet growing in Palestine. (In Hebrew.) Hassadeh 33:8. Oct. 1952. 26 H27

21920 ZEDDIES, L. Zuckerrübenernte in Amerika. Hannoversche Land- u. Forstwirt. Ztg. 105:1227. Nov. 29,1952. 18 H194

21921 ZITKOWSKI, H. E. Some comments on the 1952-'53 beet sugar campaign. Crystal-ized Facts Sugar Beets 7:11-13. Jan.1953. 66.8 C88

Tobacco

21922 ACOSTA JIMENEZ, R. Algunas experiencias en tabaco. Col. de Ingen. Agron. An. 4:63-72. 1951. 58.9 C82

21923 AKEHURST, B. C. Varieties of Turkish tobacco tested in the Colony. Rhodesian Tobacco J. 4(10):43-45,47-49,51-53. Oct.1952. 69.8 R34

21924 ALCARAZ, E. La investigación agronómica en el tabaco. Asoc. Nac. de Ingen. Agrón. B. 3(27):3-6. June 1952. 58.9 As5

21925 BEAKA, K. Incorrect cultivation—the main reason why a major segment of our SRZ [Peasant Working Cooperatives] can not obtain quality merchandise from tobacco. (In Serbo-Croatian.) Socijalisticko Zemjodelstvo 4(5):29-32. May 1952. 280.28 So7
Yugoslavia.

21926 CAMERANI, V., and FERNANDEZ, A. Saggio di bibliografia del tabacco, Europa e bacino del Mediterraneo [Tentative bibliography on tobacco, Europe and the Mediterranean Basin]. Roma,Failli,1952. 204 p. 241 C14

21927 ELLIOT, J. M. Growing flue-cured tobacco without manure. Canad. Expt. Farms. Tobacco Div. Lighter 22(4):12-14. Nov.1952. 286.89 C16

21928 GRANT, K. T. Progress in tobacco research at Delhi [Ontario]. Canad. Expt. Farms. Tobacco Div. Lighter 22(4):1. Nov.1952. 286.89 C16

21929 HUNT, R. Better burley with irrigation and insect control. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 67(12):19,112. Dec.1952. 6 P945K

21930 KERR, W. E. Tobacco seed germination. Rhodesia Agr. J. 49:266-269. Sept./Oct.1952. 24 R34

21931 MADAMBA, U. V. A preliminary report on the effect of the time of planting wrapper tobacco at Kidapawan, Cotabato. Philippines. Bur. Plant Indus. Plant Indus Digest 15(3):8,11. Mar.1952. 25 P544P

21932 NAU, H. H., and BENNETT, R. R. Choose the right tobacco variety. Prog. Farmer, Carolinas-Va. Ed. 67(12):16,115. Dec.1952. 6 P945

21933 SANTOS, I. M. General considerations on tobacco and its culture. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(6):58-62. June 1952. 9.2 M663

21934 SIGAL, L. A. Wide introduction of thick-leaved tobaccos in the Ukrainian SSR. (In Russian.) Tabak 4:50-53. July/Aug.1952. 69.8 T112

21935 SOLOP, G. S. Prospects and economic benefits from girdling tobacco. (In Russian.) Tabak 4:53-55. July/Aug.1952. 69.8 T112

21936 VITART, J. Le tabac en Afrique Occidentale Française. Rev. Internatl. des Tabacs 27:195,197,199-201, 203-205,207. Nov.1952. 69.8 R324

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

21937 AGUSTIN, E. P. The triangle of successful planting. Agr. & Indus. Life 14(11):16-17. Nov.1952. 25 Ag8
Horticulture.

21938 BALL, G. K. It's your business! Grower Talks 16(8):6-9. (Cont.) Dec.1952. 80 G91
Notes on management of greenhouses.

21939 BALL, V. How to make direct planting work. Grower Talks 16(8):1-5. Dec.1952. 80 G91

21940 BARTELDS, B. K. Advice on the choice of profession in horticulture. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:476-497. Aug./Sept.1952. 86 N384
English summary.

21941 BISHOP, R. C. Doll's house horticulture. Mr. Chase's Cloche Gard. Notes 11:187-191. Dec.1952. 80 M69
Cloches and small plot gardening.

21942 BOHNERT, E. Die gartnergehilfenprüfung; leitfaden zur vorbereitung. Ed. 7, rev. Berlin,Parey, 1952. 127 p. 90 B636G

21943 ČECH, L. Method of asexual propagation of perennial plants. (In Czech.) Česposlov. Akad. Zeměděl. Sborn. 25:349-354. Oct.1952. 19.5 C332C

21944 CHIDAMIAN, C. The nursery catalog I have never received. Pacific Coast Nurseryman 11(11):15, 36-39. Nov.1952. 80 P116

21945 COPE, J. R. Hydroponics gardening. II. Green Thumb [St. Petersburg] 3:5-6,25,29. Oct 1952. 80 G822

21946 CRAFT, E. J., ed. The Florida garden guide; a practical guide to Florida gardening. St. Petersburg, Craft P.,1952. 58 p. 90.1 F662

21947 CRAIG, E. Practical gardening. London, Collins,1952? 192 p. 90 C84

21948 ELEY, C. C. Twentieth century gardening. Ed. 3. London,Country Life,1952. 288 p. 97 EL2

21949 FREE, M. Are we better gardeners? Home Gard. 21:23-25. Jan.1953. 80 H756

21950 GELDOF, W. Fruit and vegetables in earlier centuries. (In Dutch.) Groenten en Fruit 8:451-452. Dec. 18,1952. 80 G89

21951 GOLDSMITH, M. O. Picture primer of door-yard gardening from city plot to country acre. Cambridge,Houghton Mifflin,1952. 48 p. 90.1 G57

21952 GORDON, R. A scheme for gardening work in a Rudolf Steiner School. Bio-Dyn. Agr. Assoc. Notes & Corresp. (n.s.)6:6-7. Autumn 1952. 10 An8

21953 GRIGSON, G. Gardenage; or, the plants of Ninhursaga. London,Routledge & Kegan Paul,1952. 171 p. 90.51 G162

21954 HARTMANN, A. J. Der gartenbau in den Niederlanden. Früchte u. Gemüse Markt 4(42,sup.):4-17. Oct.17,1952. 286.83 F9425

21955 HILLING, T. Touring the South American nurseries. Amer. Nurseryman 97(2):13-15,83-85. Jan.15,1953. 80 Am371

21956 HUDSON, R. L. Sunset pruning handbook. Menlo Park,Calif.,Lane,1952. 80 p. 90.12 H86

21957 HURLEY, P. J. This week in your garden. Sydney,Dymock,1951. 204 p. 90.04 H93

21958 INTERNATIONAL PEACE GARDEN. History and progress, by M. J. Tinline. Winnipeg,Man.,1952. 8 p. 451.1 In82H

21959 KONEMANN, E. Durchführung des biologischen gartenbaues. Bebauet die Erde 22:68-69. Sept. 1952. 18 B38

21960 KORN, M. N. Here's how to garden in the Dallas-Fort Worth area. Dallas?1952. 58 p. 97 K84Ha

21961 LE ROUX, M. S. The overhead trellis. Farming So. Africa 27:461-464. Oct.1952. 24 So842

21962 LORENG, H., and VOGEL, H. Der gärtner; einführung in das gärtnerische grundwissen. Aachen, Deutsche Gärtnerbörse,1950/52. 2 v. 90.1 L88

21963 MANNERING, R. The gardener's weekly guide. London,1952? 92 p. 90.04 M31

21964 MARBACH, W. Vom pflanzenbau im Klettgau. Schweiz. Landwirt. Monatsh. 10:357-361. 1952. 17 Sch93

21965 MEYER, F. J. Kulturtechnische botanik. Berlin,Borntraeger,1951. 264 p. 90.11 M57

21966 MILLETT, M. A garden. Bio-Dyn. Agr. Assoc. Notes & Corresp. (n.s.)6:8-9. Autumn 1952. 10 An8

21967 MUIJZENBERG, W. B. VAN DEN. El invernadero como medio de cultivo. Soc. Argentina de Hort. B. 10:81-86. Apr./June 1952. 83 So1

21968 MULDER, G. Western European horticulture. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 1952(spec.no.):8-9. 286.28 V22

21969 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. AFDELING TUINBOUW. Tuinbouwgids 1953, tiende jaargang [Horticultural guide 1953, tenth year]. Den Haag,1953. 651 p. 86 N383

21970 OSUNA, P. El huerto para el hogar. Rev. de Agr. P. R. 43:116-125. Jan./June 1952. 8 R325

21971 PHILLIPS, C. E. L. The small garden. London,Heinemann,1952. 385 p. 90.1 P54

21972 PLATT, MRS. H. N. George Washington's "little garden." Gard. Club Amer. B. 41:26-33. Jan.1953 90.32 G16

21973 POTOCNIK, M. Horticulture in our border areas. (In Czech.) Za Socialist. Zeměděl. 2:1123-1128. Oct.1952. 19.5 Z1

21974 RENARD, W. Die technik des gewächshausbaues. Schweiz Gärtztg. 55(41):5. Oct.16,1952. 80 G1939

21975 RIVOIRE, P., and RIVOIRE, M. Le petit jardin potager et fleuriste. Paris,Baillière,1952. 139 p. (Bibliothèque d'Horticulture Pratique) 90.3 R52

21976 ROWNTREE, L. West Coast gardening. Flower Grower 40(2):24,28. Feb.1953. 80 M72

21977 SCHARF, J. 50 jahre Bayerische Landesanstalt für Pflanzenbau und Pflanzenschutz. Landwirt. Jahrb. f. Bayern 29,182 p. Ref. Nov.1952. 18 L24

21978 SHEWELL-COOPER, W. E. The royal gardeners: King George VI and His Queen. London, Cassell,1952. 66 p. 97 Sh5

21979 STEPHENS, S. E. Horticultural districts of Queensland. 9. The wet tropics. Queensland Agr. J. 75: 207-223. Oct.1952. 23 Q33

21980 STOJKOVIĆ, L. Before the fall harvest. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(14): 1-2. Oct.1952. 21.5 V87

21981 VAIGLA, A. K. Simple press for preparing blocks of manure and earth. (In Russian.) Sad i Ogorod 10:53-54. Oct.1952. 80 Sa13

21982 VASSEUR, L. Légumes, fleurs, fruits au jardin familial; manuel de l'amateur. Lille,Société Anonyme d'Imprimerie et Editions Catholiques du Nord, 1951. 190 p. 90.1 V44

21983 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Plant, grow, freeze, fruits and vegetables. Va. Agr. Col. Ext. C. 547,2 p. June 1952. 275.29 V81C

Varieties.

21984 WEGER, N. Brauchbarkeit von lufttrübungsmitteln zur frostabwehr. (Sum.) Deut. Wetterdienst in der US-Zone. Ber. 32:83. 1952. 345 G313

Includes discussion.

21985 WEGER, N. Ertragssteigerung bei nutzpflanzen durch künstliche veränderung des bestandsklimas. Deut. Wetterdienst in der US-Zone. Ber. 32:38-41. 1952. 345 G313

Effects of wall color in tomato and fruit culture in espaliers and greenhouses.

Includes discussion.

21986 WELLS, J. S. Books on propagation. Amer. Nurseryman 97:13,55-57. Jan.1,1953. 80 Am371

21987 WINNIPEG HORTICULTURAL SOCIETY. The Winnipeg flower garden 1952. Winnipeg,1952. 157 p. 80 W73

21988 WISTER, J. C. The amateur's responsibility for better plants. Natl. Gard. 23(11/12):7-8,10. Nov./Dec.1952. 90.32 N21

Plant breeding.

21989 WITTE, K. Untersuchungen zur frage der frostabwehr durch beregnung. Deut. Wetterdienst in der US-Zone. Ber. 32:77-78. 1952. 345 G313

Fruits--General

21990 AICHELE, H. Untersuchungen über die frostschutzwirkung eines kalkanstrichs an obstbäumen. Deut. Wetterdienst in der US-Zone. Ber. 32:70-73. Ref. 1952. 345 G313

21991 BARBOSA, L. G. Brief notes on the selection of "grafts." (In Portuguese.) Gaz. do Agr. 4:206-207. Aug.1952. 24 G25

Fruit.

21992 BARTSCH, H. Vor der bestellung von obstbäumen zu bedenken! Pflanze u. Gart. 2(10):8. Oct.1952. 80 P48

21993 BASIN, M. Z. Collective cultivation of orchards by workers and [office] employees. (In Russian.) Sad i Ogorod 10:22-25. Oct.1952. 80 Sa13

Allotment gardens.

21994 BECKSTEIN, H. Starkes wachstum und geringe fruchtbarkeit der spindelbüsche. Hess. Obstbau 7:36-37. Mar.1952. 80 G1932

21995 BOULAY, H. La taille des arbres fruitiers. Jard. d'Aujourd'hui 3:83-87. Autumn 1952. 80 J286

21996 BRANZANTI, E. C. Some aspects of fruit culture in the United States. (In Italian.) Riv. di Frutticolt. 14:171-206. (Cont.) Oct.1952. 80 R52

Report of a Mutual Security Agency Mission from Italy.

21997 BROOKS, R. M., and OLMO, H. P. 1952's new fruit varieties. Amer. Fruit Grower 73:30-31,44. Jan.1953. 80 G85

21998 BRY, A. Les espèces et les variétés de fruits à cultiver. Jard. d'Aujourd'hui 3:77-78. Autumn 1952. 80 J286

21999 BUSH, R. Developments in fruit-growing. Country Life [London] 112:2024-2025. Dec.19,1952. 80 C83

22000 CASPARI, F. Zwölf goldene ratschläge für den obstgarten. Pflanze u. Gart. 2(10).13-14. Oct.1952. 80 P48

22001 CUNY, L. L'organisation du jardin fruitier familial. Jard. d'Aujourd'hui 3:71-74. Autumn 1952. 80 J286

22002 DOBRILA, D. A. Vojvodian sorts of fruits. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(14): 18-21. Oct.1952. 21.5 V87

22003 FRENCH, B. O. Thinning canning fruits—results in U. s. d. Agr. Gaz. N. S. Wales 63:575-576,614-615. Nov.1952. 23 N472

22004 FUCHS, H. Un exemple de jardin fruitier familial. Jard. d'Aujourd'hui 3:79-82. Autumn 1952. 80 J286

22005 GARDNER, V. R., BRADFORD, C. B., and HOOKER, H. D., JR. The fundamentals of fruit production. Ed. 3. New York,1952. 739 p. (McGraw-Hill Publications in the Agricultural Sciences) 93.21 G17

22006 GROH, W. Hinweise für die obstsortenwahl. Deut. Landwirt. 3:657-659. Dec.1952. 18 D4822

22007 HAMPE, P. Le choix des formes et leur obtention. Jard. d'Aujourd'hui 3:75-76. Autumn 1952. 80 J286
Fruit trees.

22008 HOAK, C. M. Fruits for the Southwest. Org. Gard. 21:22-23,44-45. Jan.1953. 56.8 Or3

22009 HODGSON, R. W. Highlights of a year in North Africa. Calif. Citrog. 38:82,96-98. Jan.1953. 80 C125
Fruit culture in Egypt and Tunisia.

22010 HOGWOOD, A. M. Plans for planting; when, how and what to plant for the orchard. Farmer [Bridgewater] 7:33-34. Autumn 1952. 10 F2282

22011 HOUT, A. VAN. Le parcours des volailles et l'arboriculture fruitière. Cour. Hort. 14:563-564. Oct. 1952. 80 C834

22012 HOWLETT, F. S. Plan your pruning. Amer. Fruit Grower 72(12):7,18-20. Dec.1952. 80 G85

22013 KARNATZ, H. Die gewinnung von obstsamen in Deutschland. Hess. Obstbau 7:51-53. Apr.1952. 80 G1932

22014 KLEINE-BESTEN. Erst instandsetzung der anlagen, dann winterspritzung. Hess. Obstbau 7:20-22. Feb.1952. 80 G1932

22015 KROFT, W. G. VAN DER. The ageing of orchards in South-Limburg. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:555-562. Aug./Sept. 1952. 86 N384
English summary.

22016 KULKARNI, N. B. Tree—culture. Poona Agr. Col. Mag. 43:19-24. June 1952. 22 P79
Includes fruit trees.

22017 LENFANT, J. La production familiale des fruits. Jard. d'Aujourd'hui 3:69-70. Autumn 1952. 80 J286

22018 LIEBSTER. Neuanlagen? Obstbauberatungsring. Mittbl. 7(5):1-2. Oct.1,1952. 85 Ob72

22019 LIEBSTER. Nur obstbäume mit marken-etikett kaufen! Landwirtbl. Weser-Ems 99:1108-1109. Oct.30,1952. 18 L2345

22020 LIFANOV, I. I. Quick development of orchards in the Kemerov Region. (In Russian.) Sad i Ogorod 10: 19-22. Oct.1952. 80 Sa13

22021 LOUIS, A. Rècolte et conservation des fruits: utilisation des fruits meurtris,véreux ou tavelés. Jard. d'Aujourd'hui 3:88-89. Autumn 1952. 80 J286

22022 LUCKWILL, L. C. Trials with growth substances as fruit-thinning agents. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:33-40. 1952. 84 B77

22023 MEWISSEN, F. De l'évolution des formes et du rendement en arboriculture fruitière. B. Hort. (n.s.) 7:323-325. Nov.1,1952. 80 B873

22024 MOSNIER, M. Organisons la production fruitière. Terre d'Oc 34:390-393. (Cont.) Oct.1952. 14 Ar5
Culture.

22025 NIKOLAENKO, I. I. Orchards grow on Bashkir kolkhozes. (In Russian.) Les i Step' 6:83-84. June 1952. 99.8 L565

22026 NILSSON, F. The aim of the nursery culture as to fruit growing. (In Swedish.) Lantbrakad. Tidskr. 91:260-267. 1952. 104 Sw3
English summary.

22027 ORLOV, F. S. Winter grafting—method of accelerated growing of fruit planting stock. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:243-250. 1951. 511 T59

22028 PALMER, R. C., and MCLARTY, H. R. A certification scheme for fruit tree nursery stock in British Columbia. Country Life [Vernon] 36(11):11,15,19. Nov.1952. 7 C832

22029 PICAZA, J. DE. Embolsado de frutos en el arbol. Vinos, Viñas y Frutas 48:161-166. Sept.1952. 9 Ag89

22030 REBOUR, H. Quelques problèmes d'actualité de l'arboriculture fruitière nord-africaine. Jard. de France 8:202-210. Oct.1952. 86 So13

22031 REICH, H. Studienfahrt durch die belgischen obstanbaugebiete vom 24. bis 28. August 1952. Obstbauversring. Mitt. 7:194-201. Oct.1952. 85 J76

22032 SALDANHA, M. DA S. Fruit tree pruning. (In Portuguese.) Gaz. do Agr. 4:242-245. Sept.1952. 24 G25

22033 SAUBLENS, L. De la plantation des arbres fruitiers. Cour. Hort. 14:536-538. (Cont.) Oct.1952. 80 C834

22034 SCHMIDT, H. Welche stammlängen sind im obstbau künftig zu bevorzugen? Hess. Obstbau 7:54-55. Apr.1952. 80 G1932

22035 SOTO, T. Acondicionamiento de frutales. Rev. de Agr. P. R. 43:143-146. Jan./June 1952. 8 R325

22036 SPINKS, G. T. Trials of clonal apple root stocks selected from "free" and "crab" seedlings. IV. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:28-33. 1952. 84 B77

22037 STEPHAN, F. 60.000 gutscheine für obstbäume. Bauer 5(37):11-12. Oct.25,1952. 19 B32
Austria.

22038 SUSA, T., and others. Studies on root development of fruit trees influenced by ground water conditions. (In Japanese.) Hort. Assoc. Japan. J. 21:113-116. Ref. Sept.1952. 87 H78
T. Aoba, S. Ishizuka, and S. Abe, joint authors.
English summary.

22039 TÍAZHEL'NIKOV, A. D. Ways of developing fruit culture in Tomsk Region. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:187-199. 1951. 511 T59

22040 TUKEY, H. B. Trends in European fruit growing. Amer. Fruit Grower 73:37-39. Jan.1953. 80 G85

22041 TWYMAN, R. C. Prune for quality and quantity. Farmer & Stock-Breeder 66(3296):34. Dec.23/24, 1952. 10 F228
Fruit trees.

22042 ULRICH, R. La vie des fruits; origine, développement, structure, physiologie, composition chimique, maturation, senescence, chute, champignons nuisibles. Paris,Masson,1952. 369 p. 463 UL72

22043 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The home fruit garden in the Northeastern and North Central States. U. S. D. A. L. 227,rev.,8 p. 1952. 1 Ag84L

22044 VANICEK, K. H. Welche bedeutung kommt den stammformen im bäuerlichen obstbau zu? Deut. Landwirt. 3:654-655. Dec.1952. 18 D4822

22045 WENCK. Sachgemässe kronenpflege unserer obstbäume. Hess. Obstbau 7:35-36. Mar.1952. 80 G1932

22046 WIRTZ, H. Pflanzen und erstes pflegen. Pflanze u. Gart. 2(10):11. Oct.1952. 80 P48
Fruit.

22047 ZUCCHINI, M. Considerations on fruit culture in some European countries. (In Italian.) Georgofili (ser.6)16:53-68. 1952. 507 F51

Fruits--Citrus and Subtropical

22048 BALDINI, E., and SCARAMUZZI, F. Value of biometrical data in the description and classification of the olive varieties of the Province of Florence. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1597-1636. Ref. 1952. 16 An76
English summary.

22049 BALLOT, and others. Études sur la mise à fruit du Clementinier. Morocco. Serv. de l'Hort. P. 7,36 p. Mar.1952. 87 M82
Bouhelier, Briand, De Cazenove, Cuenot, Fontanaud, Galtier, Hirigoyen, Praloran, and Ricada, joint authors.

22050 BEKSLER, A. I. Soviet subtropics. (In Russian.) Priroda 41(9):81-92. Sept.1952. 410 P933
Chiefly on fruit culture.

22051 BENCE PIERES, R. El cultivo del olivo en el litoral. Chacra 23(265):32. Dec.1952. 9 C34
Argentina.

22052 BHATTACHARYA, S. C., and DUTTA, S. A preliminary observation on rootstocks for citrus in Assam. Indian J. Hort. 9(3):1-11. Ref. Sept.1952. 80 In2

22053 BLANC, L., CHAPOT, H., and CUENOT, G. Agrumes et fruits subtropicaux aux U.S.A., sélection et culture. Compte rendu de la Mission organisée par l'Association Française pour le Developpement de la Productivité (29 Octobre 1950-3 Janvier 1951). Paris, Institut des Fruits et Agrumes Coloniaux,1952. 189 p. 93.3 B59

22054 CASTORINA, S. L'incision annulaire dans le greffage de l'olivier adulte. Feuilles d'Inform. Oléicoles Internatl. (n.s.)12:225-231. Sept./Oct.1952. 80 F43
English summary.

22055 CHAPOT, H. Les variétés d'agrumes cultivées aux U.S.A. Soc. des Agr. d'Algérie. B. 96(566): 212-219. 1952. 24 So1

22056 DUTTA, S. Some bananas of Assam. Indian J. Hort. 9(3):26-35. Sept.1952. 80 In2

22057 EADY, C. Contour planting of bananas. Agr. Gaz. N. S. Wales 63:531-533. (Cont.) Oct.1952. 23 N472

22058 EMME, T. The olive in the agricultural transformation of the South. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(104):1-3. Dec.12,1952. 281.8 Ag3

22059 ESDORN, I. Über die entwicklung des Citrusanbaues in Marokko. Angew. Bot. 26:197-200. Aug.1952. 450 An4

22060 FINA, A. L. DE, and GARBOSKY, A. J. Difusión geográfica de frutales en el Chaco Argentino. Cien e Invest. 8:449-453. Oct.1952. 475 C482
Bananas, lemons, figs, and others.

22061 GONZALEZ SICILIA, E. Variedades de agrios cultivadas en el Levante español. Spain. Inst. Nac. de Invest. Agron. An. 1:297-315. Sept.1952. 15 Sp18

22062 HERNÁNDEZ-MEDINA, E. The apparent degeneration of pineapple slips in Puerto Rico. P. R. U. J. Agr. 36:302-317. Ref. July 1952. 8 P832J

22063 KUMAR, V. Studies in Carica papaya Linn. III. Indian J. Hort. 9(3):36-48. Ref. Sept.1952. 80 In2

22064 LAVRIICHUK, I. I. New process of growing citrus in non-subtropical regions. (In Russian.) Sad i Ogorod 10:32-35. Oct.1952. 80 Sa13

22065 LEE, R. Der heilige baum der wüste. Schweiz. Bauer Kal. 59:69-71. 1953. 17 Sch95K
The date palm.

22066 LYNCH, S. J., and NELSON, R. Care of young lychee trees. Fla. Grower 61:14,28. Jan.1953. 80 F6622

22067 MAZZOLANI, G. Problèmes de la multiplication de l'olivier. Feuilles d'Inform. Oléicoles Internatl. (n.s.)12:232-238. Sept./Oct.1952. 80 F43
English summary.

22068 MESA BERNAL, D. El platano, su historia y origen. Agr. Trop. 8(10):23-26. Oct.1952. 26 Ag8

22069 MILLER, M. P. Avocados in the Corona area. Calif. Citrog. 38:110-111. Jan.1953. 80 C125

22070 MILLER, W. W. Californians visit Mexican avocado regions. Citrus Leaves 32(12):24-25,39. Dec. 1952. 80 C492

22071 MOUAT, H. M., FLETCHER, W. A., and CEDERMAN, J. A. A citrus survey of Northland. Orchardist New Zeal. 25(10):19-20. Nov.5,1952. 80 Or19

22072 MUTHUSWAMY, S., VENKATESAN, C., and SRINIVASAN, C. Mandarin orange cultivation in the Agency tract. Madras Agr. J. 39:552-557. Nov.1952. 22 M262

22073 NESTERENKO, G. A. Experiment in cultivation of citrus crops in the new districts. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:26-31. July 1952. 20 D742
In Russian.

22074 ORTALE TUDELA, E. Blanca de Maella. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 53:23-24. Oct.1952. 15 Sa7
Fig variety.

22075 PAGE, W. J. Painless growing of reset citrus trees uncovered by Snell of Elfers Association. Citrus Mag. 15(4):21. Dec.1952. 80 C498

22076 RICHARDS, A. V. The mango (Mangifera indica L). Trop. Agr. [Peradeniya] 108:121-124. Apr./June 1952. 26 T751

22077 RICHARDS, A. V. Papaw (Carica papaya L). Trop. Agr. [Peradeniya] 108:133-134. Apr./June 1952. 26 T751

22078 RICHARDSON, A. M. The Rayford Park date grove. Queensland Agr. J. 75:253-262. Nov.1952. 23 Q33
Date culture in Australia.

22079 RIOLLANO, A. Cultivo y aprovechamiento de la papaya. Rev. de Agr. P. R. 43:147-157. Ref. Jan./June 1952. 8 R325

22080 ROUNDS, M. B. A study of the adaptability of avocado varieties. Citrus Leaves 33:16-17. Jan.1953. 80 C492

22081 RUTHERFORD, D. M. The first Valencia orchard. Calif. Citrog. 38:82,94. Jan.1953. 80 C125
Near Placentia, Calif.

22082 SMITH, L. H. Citrus operations being taught to Polk County [Florida] vocational agricultural students. Citrus Indus. 33(12):4. Dec.1952. 80 C49

22083 SOTO, T. El cultivo de la guayaba. Rev. de Agr. P. R. 43:158-160. Jan./June 1952. 8 R325

22084 SOUSA, J. S. I. DE. The decline of kakis for lack of pollination. (In Portuguese.) Chacaras e Quintais 86:68-69. July 15,1952. 9.2 C34

22085 SOUSA, J. S. I. DE. Mangoes which bloom but do not bear fruit. (In Portuguese.) Chacaras e Quintais 86:672-673. Nov.15,1952. 9.2 C34

22086 THACKERY, F. A. A few notes on the Medjool date during its isolation in Nevada. Date Growers' Inst. Rpt. 29:8-10. 1952. 81 D26

22087 THULLBERY, H. A. More about hedging. Citrus Mag. 15(4):29-30. Dec.1952. 80 C498

22088 ZIN'KOVSKIĬ, V. M. Methods for covering up citrus for the winter. (In Russian.) Sad i Ogorod 10:35-36. Oct.1952. 80 Sa13

Fruits--Deciduous

22089 ALDERMAN, W. H., and WEIR, T. S. Meteor cherry. Minn. Hort. 81:3. Jan.1953. 81 M66

22090 BONNIOL, J. La culture de l'abricotier dans le Languedoc. Prog. Agr. et Vitic. 138:303-307. Nov. 30,1952. 14 P94

22091 BORZOVA, Z. A. Results of studying apple varieties at the Siberian Botanical Garden. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:201-205. 1951. 511 T59

22092 BROUGH, C. R. Regulating the size of the apple crop. Victoria. Dept. Agr. J. 50:411-413. Sept. 1952. 23 V66J
Chemical thinning and blossom-thinning sprays.

22093 BROWICZ, K., and BUGALA, W. The new varieties of Malus purpurea Rehd bred in the Kórnik's arboretum by A. Wróblewski. (In Polish.) Soc. Bot. Polon. Acta 21:719-724. 1952. 451 So16
English summary.

22094 CERULIS, A. Description of the variety Altessen or Bosnian blue plums. (In Flemish.) Tuinbouwberichten 16:152-153. Oct.15,1952. 80 T817

22095 CHALENKO, D. K. Raw material base in manufacture of cider in the Gelendzhik Region. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):17-19. Aug.1952. 95.8 V77
Apple varieties.

22096 CHUKHNO, D. F., and CHERNYSHEV, M. A. Planting fruit trees along roadsides in the Ukraine. (In Russian.) Les i Step' 4(8):85-86. Aug.1952. 99.8 L565

22097 CONWAY, T. Thinning of peach fruits. New Zeal. J. Agr. 85:389,391. Nov.15,1952. 23 N48J

22098 CRANE, M. B., and MARKS, E. Pear-apple hybrids. Nature [London] 170:1017. Dec.13,1952. 472 N21

22099 CROWTHER, D. S. The Merton apples. Gard. Illus. 70:16. Jan.1953. 80 G169

22100 DEKKER, P. Criticial observations on Belgian fruit culture. (In Flemish.) Cult. en Handel 18:694-696. Dec.1952. 80 C892

22101 DEKKER, P. Espaliers are the most economic form of fruit culture. (In Dutch.) Groenten en Fruit 8: 297. Oct.30,1952. 80 G89

22102 DEKKER, P. Pruning of espaliers; apples and pears. (In Dutch.) Huis en Hof 4:206-207. Nov.1952. 80 H87

22103 DRAGAVTSEV, A. I. Planting orchards in southern Kazakhstan more closely and densely. (In Russian.) Sad i Ogorod 10:16-19. Oct.1952. 80 Sa13
Apple orchards interplanted with cherries and plums.

22104 ENDT, J. W. Differs from New Zealand; apple and pear growing in Holland. Orchardist New Zeal. 25(10):11,13,15. Nov.5,1952. 80 Or19

22105 FEDOROV, A. A. Certain Central Asiatic apple species as material for selection and hybridization. (In Russian.) Vsesoiuzn. Soveshchanie Bot. i Selekerov. Mater. 1:113-126. Ref. 1950,pub.1951. 451 V963

22106 FEDOROV, A. A. Wild pears in USSR and their importance in selection and hybridization. (In Russian.) Vsesoiuzn. Soveshchanie Bot. i Selekerov. Mater. 1:127-139. Ref. 1950,pub.1951. 451 V963

22107 GOTTWALD, A. Verjüngungsversuch zu Coulon-Renette; das ergebnis eines versuches der verjüngung 40—50jähriger Coulon-Bäume in Kehdingen. Obstbauversring. Mitt. 6:177-179. Dec.1951. 85 J76

22108 GVOZDEV, V. I. Prospects for the spreading form of apple tree in Tomsk Region. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:215-220. 1951. 511 T59

22109 HADERMANN, G. Uprooting of fruit trees. (In Flemish.) Cult. en Handel 18:627. Nov.1952. 80 C892

22110 HEYMAN, J. The pear: Doyenne du Comice. (In Flemish.) Cult. en Handel 18:622-626. (Cont.) Nov. 1952. 80 C892

22111 HEYMAN, J. The pear: Doyenne du Comice. (In Flemish.) Cult. en Handel 18:690-693. Ref. (Cont.) Dec.1952. 80 C892

22112 JOHNSTON, S. Evaluating peach varieties. Fruit Varieties & Hort. Digest 7:11-12. Sept.1952. 80 F9464

22113 KARNATZ, H. Welche unterlagen und stammbildner werden im in- und ausland bei den neupflanzungen berücksichtigt? Obstbauversring. Mitt. 7:8-13. Jan. 1952. 85 J76

Fruit.

22114 KOVALEV, N. V., and TUPITSYN, D. I. Apples in industrial fruit growing in the main Turkmenian Canal zone. (In Russian.) Sad i Ogorod 10:14-16. Oct.1952. 80 Sa13

22115 KROPANIN, S. I. Twenty-year observations on apple culture in the orchards of the experimenters-Michurinites of the City of Tomsk. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:207-214. 1951. 511 T59

22116 LAMMERTS, W. E. Dual purpose peaches. Fruit Varieties & Hort. Digest 7:15. Sept.1952. 80 F9464

22117 LJONES, B. Spraying experiments with growth substances to prevent fruit drop. (In Norwegian.) Forsk. og Forsøk i Landbr. 3:93-123. Ref. 1952. 11 F772

English summary.

22118 LOEWEL, E. L. Empfehlenswerte apfelsorten für den erwerbsanbau. Obstbauversring. Mitt. 7:209-212. Oct.1952. 85 J76

22119 LOEWEL, E. L. Massnahmen zur erhöhung der erntemenge und qualität unseres obstes unter ausnutzung des augenblicklichen standes unserer kenntnisse auf dem gebiete der obstbauwissenschaft. Obstbauversring. Mitt. 7:38-44. Mar.1952. 85 J76

22120 LOEWEL, E. L. Uberblick über das jahr 1951. Obstbauversring. Mitt. 7:2-5. Jan.1952. 85 J76

Fruit culture.

22121 LOEWEL, E. L., VAHL, E. VON., and BÖMEKE. Was ist mit dem Boskoop los? Obstbauversring. Mitt. 7:44-48. Mar.1952. 85 J76

22122 MCDANIEL, J. C. Secor apple popular with Wisconsin growers. Fruit Varieties & Hort. Digest 7: 12-13. Sept.1952. 80 F9464

22123 MAGNESS, J. R. What are the 1953 apple prospects? Amer. Fruit Grower 73:27,58. Jan.1953. 80 G85

22124 MANN, A. J., and KEANE, F. W. L. The Redhaven peach in British Columbia. Fruit Varieties & Hort. Digest 7:6. Sept.1952. 80 F9464

22125 MARIEN, A. How can we increase the returns of our peach orchards? (In Flemish.) Tuinbouwberichten 16:154-155. Oct.15,1952. 80 T817

22126 MELVILLE, F., and HERLIHY, T. F. Thinning of deciduous fruits. West. Austral. Dept. Agr. J. (ser.3) 1:655-657,659-660. Sept./Oct.1952. 23 W52J

22127 MOROZ, A. IA. Harvest of Magaleb cherry seeds. (In Russian.) Les i Step' 4(8):77-78. Aug.1952. 99.8 L565

22128 NAGAI, T., and SHIBAMOTO, K. Wild peaches in the Ina district, Nagano Prefecture. (In Japanese.) Hort. Assoc. Japan. J. 21:104-106. Sept.1952. 87 H78

22129 PEROV, N. V. Cherry culture under conditions of the northern area of Western Siberia. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:255-256. 1951. 511 T59

22130 PETERSEN, H. Obstbaulicher rückblick auf die "gute alte zeit." Obstbauversring. Mitt. 6:174-177. Dec.1951. 85 J76

22131 RAHMLOW, H. J. New apple varieties in Wisconsin. Fruit Varieties & Hort. Digest 7:10. Sept. 1952. 80 F9464

22132 RENAUD, M. Recherche d'une nouvelle méthode de taille rationnelle des arbres fruitiers à feuilles caduques en Afrique du Nord. Fruits et Primeurs de l'Afrique du Nord 22:382-403. Oct.1952. 80 F9482

22133 SADAMORI, S., and MURAKAMI, H. Studies on root-stocks of apples. I. Effects of soil moisture on the growth of several Malus seedlings. (In Japanese.) Hort. Assoc. Japan. J. 21:107-112. Ref. Sept.1952. 87 H78

22134 SCHANDERL, H. Die honigbiene und unser obstbau. Pflanze u. Gart. 2(10):12-13. Oct.1952. 80 P48

22135 SCHEIL, W. Inventur in Obsthof. Obstbauversring. Mitt. 6:179-181. Dec.1951. 85 J76

22136 SCHNEIDER, K. Wesensunterschiede beim schnitt von pfirsichen und aprikosen. Pflanze u. Gart. 2(10):15. Oct.1952. 80 P48

22137 SIMONNEAU, P. Le pommier espagnol ou pommier "Llorca." Fruits et Primeurs de l'Afrique du Nord 22:368-375. Oct.1952. 80 F9482

22138 SINCOCK, R. L. Stuck with an old orchard layout? Wash. Farmer 77:929-930. Dec.4,1952. 6 R151

Cutting old apple trees back severely to favor new rows without loss of production.

22139 SUKHACHEV, A. D. Experiments in growing [fruit] rootstocks in autumn and spring plantings. (In Russian.) Sad i Ogorod 10:74-75. Oct.1952. 80 Sa13

22140 THOMPSON, C. R. The pruning of apples and pears by renewal methods. Ed. 2. London,Faber & Faber,1952. 210 p. 93.5 T37

22141 TURNBULL, J. Cox's Orange Pippin: 250 bushels to the acre is not enough. Grower [London] 39: 49-50. Jan.3,1953. 286.83 M34

22142 VAHL, E. VON. Unsere wichtigsten apfelsorten als pollenlieferanten für den schönen aus Boskoop. Obstbauversring. Mitt. 7:15-16. Jan.1952. 85 J76

22143 VANDERWAEREN, R. Altessen or Bosnian plums. (In Flemish.) Tuinbouwberichten 16:151. Oct.15, 1952. 80 T817

22144 WATTS, A. T. J. Suggested pollinators for stone-fruit varieties. Orchardist New Zeal. 25(10):3,5,7. Nov.5,1952. 80 Or19

Fruits--Small

22145 AĬVAZIAN, P. K. Influence of pinching upon productivity of the White Shasla [grape] variety. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):30-32. Aug.1952. 95.8 V77

22146 ALEKSIDZE, N. E. Important resistance of Gruziyan grape varieties to root Phylloxera. (In Georgic) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:169-190. Ref. 1951. 95.9 Ak1

Russian summary.

22147 ALLOVON. Comportement des hybrides en 1952—dans le Gard. Viticult. Nouvelle 5(55):14-15. Nov. 1952. 390.8 V832

22148 ARTOZOUL, J. P. Relevé ampélographique sur le Territoire de Villaudric (Haute-Garonne). Prog. Agr. et Vitic. Dec.7/14,1952:336-342. 14 P94

22149 AUSTRALIA. DEPT. OF COMMERCE AND AGRICULTURE. Tasmanian berry fruit industry. Canberra,1952. 81 p. 280.9 Au75

22150 BALIAEV, A. V. Early mounding up of vines for the winter, and late spring pruning. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):45-46. Aug.1952. 95.8 V77

22151 BERG, K. Zur behandlung und pflege von himbeeren und brombeeren. Hess. Obstbau 7:23-25. Feb.1952. 80 G1932

22152 BERRY-SMITH, F. Grape growing in the home garden. New Zeal. J. Agr. 85:521,523-524. Dec.1952. 23 N48J

22153 BRANAS, J. Les raisins de table. III-V. Prog. Agr. et Vitic. 138:243-250,271-274,299-302. Nov.2/9-30,1952. 14 P94

22154 BRANAS, J. Raisins de table. VI. Prog. Agr. et Vitic. Dec.7/14,1952:329-334. 14 P94

22155 BRANAS, J. Les raisins de table. VII. Prog. Agr. et Vitic. Dec.21/28,1952:359-366. 14 P94

22156 BRANAS, J. Les raisins de table. VIII. Prog. Agr. et Vitic. Jan.4/11,1953:5-8. 14 P94

22157 BRANAS, J. Le relevé ampélographique: méthode et application. Prog. Agr. et Vitic. Dec.7/14, 1952:334-335. 14 P94

22158 CAPUCCI, C. The woody-herbaceous cleft graft for grapes. (In Italian.) Riv. di Frutticolt. 14: 149-158. Oct.1952. 80 R52
English summary.

22159 CHAPPAZ, G. Le vignoble et le vin de Champagne. Paris,Larmat,1951. 413 p. (Vignobles de Vins Fins & Eaux-de-Vie de France 2) 95.35 C363

22160 CHERNYKH, G. M., and REMEZOV, V. A. Growing Seíanets Krandalfà currants from seeds. (In Russian.) Les i Step' 4(9):82-83. Sept.1952. 99.8 L565

22161 CHKHUBIANISHVILI, G. Z., and KELENDZHERIDZE, K. V. Results of phenological observations on grapevines of the Kakheti varieties. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:155-167. Ref. 1951. 95.9 Ak1
Russian summary.

22162 CHRIST, E. G. Strawberry and blackberry released for 1953 planting. N. J. State Hort. Soc. Hort. News 33:2558,2567. Nov.1952. 81 N46

22163 COSTA E SOUSA, L. DE O. M. DA. Aspectos da produtividade na videira [Aspects of production in the vineyard]. Lisboa,Serviço Editorial da Repartição de Estudos,Informação e Propaganda,1952. 207 p. Ref. 463.38 C82

22164 CULBERTSON, R. E. Mr. Hagiwara's wall of strawberries. Horticulture 31:18,22. Jan.1953. 80 H787

22165 DELBOS, L. Raisins de table en Lot-et-Garonne. Prog. Agr. et Vitic. 138:274-275. Nov.16/23, 1952. 14 P94

22166 ERICSSON, O. Fruit and berry culture for home consumption in Kopparberg Province. (In Swedish.) Lantbrtidskr. f. Dalarna 2:70-73. Apr.1952. 11 L29

22167 EVREINOFF, V. A. Le framboisier. Terre d'Oc 34:393-398. Oct.1952. 14 Ar5
Culture.

22168 FALK, G. Mulberries—food for stock and humans. Farmer's Wk. [Bloemfontein] 84:15,17. Dec.17, 1952. 24 F225
Varieties, harvesting, and marketing.

22169 GALLAY, R., BENVEGNIN, L., and LEYVRAZ, H. Vingt années d'expériences dans la culture et la vinification des cépages rouges. Landwirt. Jahrb. der Schweiz 66:1087-1094. 1952. 17 L23

22170 GAVRILKEVICH, B. B. We reap a harvest [of grapes] the third year from planting. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):60-61. July 1952. 95.8 V77

22171 GIVEON, H. Proposed planning of new vineyards in Israel. (In Hebrew.) Hassadeh 33:27-29. Oct. 1952. 26 H27

22172 GORBACH, V. I., and MOLCHANOV, V. L. Method of study of feeding space for grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):37-39. July 1952. 95.8 V77

22173 GORBACH, V. I. Process of accelerated formation of grape vines. (In Russian.) Sad i Ogorod 10: 27-30. Oct.1952. 80 Sa13
Culture.

22174 GULIAEV, A. I. Speedy replacement of grapevines. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):34-37. July 1952. 95.8 V77

22175 HASSELBACH, R. Rigi und Pilatus zogen die kappe ab. IV. Ehemalige 42:2. Oct.18,1952. 18 Eh22
Grape culture in Switzerland.

22176 HERSHKOVITZ, E. Planning new plantings of wine grapes. (In Hebrew.) Hassadeh 33:31-33. Oct. 1952. 26 H27

22177 HYAMS, E. Progress in the vineyard. Country Life [London] 112:1954. Dec.12,1952. 80 C83

22178 IVIĆ, B. Something about selection in viticulture. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):14-15. Sept.1952. 21.5 V87

22179 KHOKHLACHEV, G. P. The Goriachevodsk grape growing State farm. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):57-59. July 1952. 95.8 V77

22180 KIRILLOV, F. F. Scientific research work in grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6): 54-56. June 1952. 95.8 V77

22181 KOMAROVA, E. S., and SKVORTSOV, E. S. Early Golden—a valuable variety for dessert wine manufacture. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):33-35. Aug.1952. 95.8 V77

22182 KOMAROVA, E. S. Rannii VIR [grape] variety in the Ukraine. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):34-35. May 1952. 95.8 V77

22183 KONDRATSKIĬ, A. A. Grape culture in the Northern regions of the Ukrainian SSR. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):54-55. July 1952. 95.8 V77

22184 KOŽETINAC, D. From the history of viticulture in Vršac. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):17-18. Sept.1952. 21.5 V87

22185 KRONENBERG, H. G. Breeding work on strawberries at the Institute of Horticultural Plant Breeding at Wageningen. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:522-535. Aug./Sept.1952. 86 N384
English summary.

22186 KVIRIKASHVILI, Z. I. Ways to increase the amount of [grape] rootstocks. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):39-42. July 1952. 95.8 V77

22187 LOMKATSI, S. I. Role of suckers in grape culture. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:23-41. Ref. 1951. 95.9 Ak1
Russian summary.

22188 MACEDO, F. N. A. Contribution to the problem of grafts in relation to viticultural regions. (In Portuguese.) Granja [Porto Alegre] 7(58):29-34. Jan. 1952. 9.2 G76

22189 MARIANELLI, U. New hybrid grapes and Sarzana viticulture. (In Italian.) Spezia Agr. 7(11):5. Nov.1,1952. 16 Sp3

22190 MAROT, G. Vignoble des Roches de Marigny-Brizay (Vienne). Viticult. Nouvelle 5(55):10-13. Nov. 1952. 390.8 V832

22191 MAZANASHVILI, G., and NANOBASHVILI, I. Certain questions of green operations on the mother plants of vines resistant to Phylloxera. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:85-97. Ref. 1951. 95.9 Ak1
Russian summary.
Pruning.

22192 MIŠIĆ, P. D. Mulberry—a fruit tree to which sufficient attention is not being given. (In Serbo-Croation.) Vojvodanski Poljoprivrednik 8(14):22. Oct.1952. 21.5 V87
Yugoslavia.

22193 MOLCHANOV, V. L. Unprotected grape culture in Uzbekistan. (In Russian.) Sad i Ogorod 10:30-31. Oct.1952. 80 Sa13

22194 MOLCHANOVA, Z. IA. Certain characteristics in fruit bearing of grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):27-29. June 1952. 95.8 V77

22195 MOROZOVA, G. S. Ways of improving [grape] rootstocks. (In Russian.) Vinodel. i Vinograd. SSSR. 12 (5):35-39. May 1952. 95.8 V77

22196 MOS, D. DE. Crops grown under grapes in greenhouses. (In Dutch.) Groenten en Fruit 8:312-313. Nov.6,1952. 80 G89

22197 MUKHAMEDOV, R. M. My experience in forming and pruning grape vines. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):5-7. Aug.1952. 95.8 V77

22198 NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. CRANBERRY-BLUEBERRY RESEARCH LABORATORY, PEMBERTON. Pruning blueberries, by C. A. Doehlert. Pemberton,1951? 3 p. 94.35 N46

22199 NOVIKOV, N. M. Growing grapes in the Central Volga Region. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):37-40. June 1952. 95.8 V77

22200 OLLIVIER. Les hybrides producteurs directs dans le Midi de la France. Viticult. Nouvelle 5(55):15-17. Nov.1952. 390.8 V832

22201 OS'KIN, P. T. We grow annually a large crop of grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 12 (7):56-57. July 1952. 95.8 V77

22202 PANTIUSHEV, A. V. Experiment of S. G. Tumachenko's brigade. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):59-60. July 1952. 95.8 V77
Grape culture.

22203 PARKER, M. M. The influence of blossom removal and the method of transplanting on the rate of runner formation in strawberries. (Abs.) Va. J. Sci. (n.s.)3:278-279. Sept.1952. 470 V81

22204 PLOCK, H. Johannisbeerkultur. Unser Wegweiser im Obstbau, Gart. Kleintierhof 7:248-249. Nov.1952. 18 Un7

22205 POPOV, A. L. Grape culture in the "Biruintsa" consolidated kolkhoz. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):58-60. Aug.1952. 95.8 V77

22206 RANGACHARLU, V. S. Peculiarities of viticultural practices in Madurai District (South India). Madras Agr. J. 39:558-563. Nov.1952. 22 M262

22207 RIEMENS, J. M. The cultivation of grapes. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:536-554. Ref. Aug./Sept.1952. 86 N384
English summary.

22208 RIVEROS, J. E. Viñedos en pie franco o injertados. Vinos, Viñas y Frutas 48:155-157. Sept. 1952. 9 Ag89

22209 RODRIGUES, A. Um método filométrico de caracterização ampelográfica; fundamentos, descrição, técnica operatória [A phyllometric method of grape classification; fundamentals, description, operating technique]. Lisboa,Serviço Editorial de Repartição de Estudos,Informação e Propaganda,1952. 42 p. 463.47 R61

22210 RTSKHILADZE, I. T. Grape culture in Kakheti and prospects for its development. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7: 257-280. Ref. 1951. 95.9 Ak1
Russian summary.

22211 SAMARAKIS, B A. Situation de la viticulture dans le monde. Prog. Agr. et Vitic. 138:284-288. (Cont.) Nov.16/23,1952. 14 P94

22212 SAMARAKIS, B. A. Situation de la viticulture dans le monde. Prog. Agr. et Vitic. 138:309-314. (Cont.) Nov.30,1952. 14 P94

22213 SAMARAKIS, B. A. Situation de la viticulture dans le monde. Prog. Agr. et Vitic. Dec.7/14,1952:347-352. (Concl.) 14 P94

22214 SANDERSON, M. V. Planning and planting the soft fruit plantation. Mr. Chase's Cloche Gard. Notes 11:166-168. Nov.1952. 80 M69

22215 SAUTER, H. Stein am Rhein und seine schulreben. Schweiz. Z. f. Obst- u. Weinbau 61:496-498. Nov.29,1952. 80 Sch9

22216 SCHALK, A. Planting of raspberries. (In Dutch.) Betuws Tuinbouwbl. 10(17):4. Nov.1,1952. 80 B464

22217 SCHANDERL, H. Uber die fruchtbildung bei unseren gartenerdbeeren. Hess. Obstbau 7:38-40. Mar.1952. 80 G1932

22218 SCHMIDT, M. Kreuzungen zwischen johannis- und stachelbeerarten. Deut. Baumsch. 4:280-283. Oct. 1952. 80 D486

22219 SEDLAČEK, J. Experiments in conducting mass selection and individual selection of grapes in Mutenitsy. (In Czech.) Česposlov. Akad. Zemědél. Sborn. 25:449-456. Nov.1952. 19.5 C332C

22220 SHKROEV, A. I. Grapes in Tomsk. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:257-260. 1951. 511 T59

22221 SINGH, L. B., and DIKSHIT, N. N. Studies in introducing earliness in maturity of grapes (Vitis vinifera, Linn.) I. Effect of early pruning on the growth of vines and maturity of fruits. Indian J. Hort. 9(3):20-25. Sept.1952. 80 In2

22222 SKLÍAR, N. I. Gradual increase in the amount of fruit on a grape vine. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):24-30. Aug.1952. 95.8 V77

22223 SOCIEDAD AGRICOLA DEL SUR. Vitivinicultura. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.253-255. Temuco,1952. 27 C7655

22224 TABIDZE, D. I. Preliminary data for experimenting with the most valuable grape varieties of Gruziya in new regions. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:43-68. Ref. 1951. 95.9 Ak1
Russian summary.

22225 THERON, C. J. Selection of vine cuttings for propagation. Farming So. Africa 27:502,518. Nov.1952. 24 So842

22226 THOMAS, W. Das vortreiben von rebenveredlungen mit freistehenden pfropfköpfen. Deut. Weinbau 7: 625. Nov.20,1952. 390.8 W432
Germany.

22227 TITARENKO, E. E. Sloping method of planting grafted grape seedlings in a nursery. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):42-43. Aug.1952. 95.8 V77

22228 TRUEL, P. La coopération appliquée à la production et à la vente des bois et plants de vigne. Prog. Agr. et Vitic. 138:281-284. Nov.16/23,1952. 14 P94

22229 VAZ, J. T. Identificação de castas de uva de mesa, Rosaky, Dattier de Beyrouth e Waltham Cross [Identification of varieties of table grapes, Rosaky, Dattier de Beyrouth, and Waltham Cross]. Portugal. Dir. Geral dos Serv. Agr. Sér. Estud. e Inform. Téc. 38,26 p. Ref. 1952. 15.5 Ag84E
English summary.

22230 VEGA, J. Uvas finas y comunes. Chacra 23 (265):36-37. Dec.1952. 9 C34
Argentina.

22231 VENKATARATNAM, L., FAROOQI, M. M., and CHELLAPPA, T. The Anab-e-shahi grapevine and its culture in Hyderabad State. Indian J. Hort. 9(3): 12-15. Sept.1952. 80 In2

22232 WIGGANS, C. C. Growing grapes in Nebraska. Nebr. Agr. Col. Ext. E. C. 1257,rev.,16 p. Mar.1952. 275.29 N272Ex

Nuts

22233 BURLINGAME, B. B. Walnut harvesting: methods, equipment, and costs. Calif. Agr. Expt. Sta. C. 416,24 p. Sept.1952. 100 C12S

22234 DOROFEEV, P. P. Walnuts as windbreaks. (In Russian.) Sad i Ogorod 10:9-12. Oct.1952. 80 Sa13

22235 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Cob-nuts and filberts. Gt. Brit. Min. Agr. & Fisheries Adv. L. 400,7 p. Oct.1952. 10 G79La

22236 GRUNBERG, I. Poda del nogal. Tierra [México] 7:697-698. Oct.1952. 8 T445

22237 GUINIER, P. La question du noyer. Acad. d'Agr. de France. Compt. Rend. 39:587-591. Oct.22/29, 1952. 14 P215Bc

22238 MCKAY, J. W. Chestnuts again! Va. Wildlife 14:16-18. Jan.1953. 410 V81
Castanea mollissima.

22239 OZOL, A. M. Selection of initial seeds and method for growing young [walnut] seedlings. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:115-124. Ref. 1951. 99.9 Ak1

22240 PAPE, E. W. Nut specialists study home grown tree species. Outdoor Ind. 19(11):18-19. Nov. 1952. 279.8 Ou82
Nut species that double as ornamentals.

22241 PRONIN, V. F. Walnuts in the Voronezh Region. (In Russian.) Les i Step' 4(8):58-61. Aug.1952. 99.8 L565

22242 SHCHEPOT'EV, F. L. Use of selection method in creating frost-resistant walnuts. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:95-114. Ref. 1951. 99.9 Ak1

22243 STOKE, H. F. Nut trees for the home grounds. Flower Grower 40:50,72-73. Jan.1953. 80 M72

22244 STRITZKE, S. Grundlagen für eine erfolgreiche erweiterung des walnussanbaues. Deut. Landwirt. 3:655-657. Dec.1952. 18 D4822
Russian Zone of Germany.

22245 TKHAGUSHEV, N. A. Widespread inclusion of nut varieties [in fruit culture]. (In Russian.) Sad i Ogorod 10:12-14. Oct.1952. 80 Sa13

22246 URQUIJO LANDALUCE, P. Multiplicación asexual de castaños. Spain. Inst. Nac. de Invest. Agron. An. 1:317-323. Sept.1952. 15 Sp18

22247 VANDERWAEREN, R. Investigation of the optimum growth condition in the culture of walnuts. (In Flemish.) Tuinbouwberichten 16:169-170. Nov.15,1952. 80 T817

22248 WHITEHOUSE, W. E., and JOLEY, L. E. Propagation of the pistachio nut. Amer. Nurseryman 97(2): 10-11,90. Jan.15,1953. 80 Am371

22249 WING, A. S Chestnuts stage a comeback! Once doomed to extinction, this valuable tree is becoming available in blight-resistant forms. Flower Grower 40: 74-75. Jan.1953. 80 M72

22250 ZARUBIN, A. F. Selection of late blossoming nuts [walnuts]. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:125-127. 1951. 99.9 Ak1

Shade Trees and Ornamental Plants

22251 ABBOTT, E. S. The exotic Billbergias. Horticulture 30:460. Dec.1952. 80 H787

22252 ALLEN, R. C. Comes spring, come new roses. Pop. Gard. [Albany] 4:31-33. Jan.1953. 80 P812

22253 ALTHAUSEN, H. Orchids of Brazil, Phymatidium histeranthum. Amer. Orchid Soc. B. 21:880. Dec. 1952. 80 Am329

22254 AMELINCKX, F. Development and care of lawns and turf. (In Flemish.) Cult. en Handel 18:647-649. Nov.1952. 80 C892

22255 ANDERSON, L. No so called "green thumb" needed to grow Saintpaulia. African Violet Mag. 6(2): 27,57. African Violet Mag. 6(2):27,57. Dec.1952. 80 Af8

22256 ARMSTRONG, J. A. Making a rose catalog. Amer. Rose Mag. 10(12):13-15. Dec.1952. 80 Am327A

22257 ARNOLD, P. The names of modern Achimenes varieties. Gloxinian 2(3):6-8. Nov./Dec.1952. 96.06 G51

22258 BAILEY, V. K. Plant evergreens for year 'round beauty. Minn. Hort. 81:4-6. Jan.1953. 81 M66

22259 BARNHARDT, R. S. Size and spacing of trees for planting operations. Arborist's News 17:96-98. Nov.1952. 99.8 Ar14
Street tree planting.

22260 BEAN, W. J. Trees and shrubs hardy in the British Isles, v. 2-3. Ed. 7. London,Murray,1951. 458 B37

22261 BEDIER, J. Garden of two worlds. Org. Gard. 21:12-13,54. Jan.1953. 56.8 Or3

22262 BEDINGGAUZ, M. P. Dahlias. (In Russian.) Sad i Ogorod 10:68-70. Oct.1952. 80 Sa13

22263 BELSTERLING, L. B., comp. Planting manual for Dallas gardens. Ed. 5. Dallas,1952. 82 p. 90.3 B41

22264 BERENDS, J. L. Some good Cotoneasters. (In Dutch.) Vakblad v. de Bloemisterij 7:430. Nov.14, 1952. 80 V22

22265 BERTRAND, A. Hybrides? Cactus [Paris] 33:93-94. Sept.15,1952. 450 C114
Cactaceae.

22266 BERTSCH, K. Gartenblumen. Ravensburg, Maier,1952. 68 p. 96.025 B46
Bilderatlas von Albertine Dependorf.

22267 BIEKART, H. M. Tulips in the garden. N. J. Agr. Expt. Sta. C. 549,8 p. Sept.1952. 100 N46S

22268 BIRCH, E. O. The Royal Azalea. Home Gard. 21:39-40. Jan.1953. 80 H756

22269 BLACKBURN, B. The plant in the picture: Wintersweet [Chimonanthus praecox]. Pop. Gard. [Albany] 4:46-47,54-55. Jan.1953. 80 P812

22270 BLAIR, R. E. Oil drum cacti. Cactus & Succulent J. 24:174-175. Nov./Dec.1952. 451 C11
Oil drums and pen arrangement for potted plants.

22271 BLOIS, P. DE. Les Bégonias à floraison hivernale. Cour. Hort. 14:545-548. Oct.1952. 80 C834

22272 BLOIS, P. DE. Quelques Orchidées. Cour. Hort. 14:548-550. Oct.1952. 80 C834

22273 BLY, M. Forcing native orchids. Wild Flower 28:86-88. Oct.1952. 451 W642

22274 BOARDER, A. Cactus cultural notes. Cactus & Succulent J. Gt. Brit. 14:74-75. Oct.1952. 450 C113

22275 BODMER, H. Blumen und gärten in und um London. Schweiz Gärtztg. 55(41):2-4. Oct.16,1952. 80 G1939

22276 BOER, H. W. DE. Lapidaria margaretae (Schwant.) Dtr. et A. Schwant. (In Dutch.) Succulenta 6:85-86. Nov./Dec.1952. 450 Su12

22277 BOND, A. G. Orchids and big game. Orchid J. 1:426-427. Nov.1952. 80 Or174
Plant collecting in Upper Burma.

22278 BOSSARD, R. Le forçage des plantes ornementales; cultures hâtées, forcées, retardées. Paris, Baillière,1952. 230 p. (Bibliothèque d'Horticulture Pratique) 96.05 B65

22279 BOSTRAETEN, F. VAN. Culture of potted Chrysanthemums in the Province of Antwerpen. (In Flemish.) Tuinbouwberichten 16:172-173. Nov.15,1952. 80 T817

22280 BRADLEY, C. The newer Camellias. Flower Grower 40:56-57,80-83. Jan.1953. 80 M72

22281 BRINER, V. The rock garden in the landscape. Plants & Gard. 8:184-189. Autumn 1952. 450 P694

22282 BRITISH NATIONAL CARNATION SOCIETY. Soil-less cultivation of perpetual carnations. Ed. 2, rev. and enl. London,1952? 44 p. 90.15 B77

22283 BRITTAN, A. J. Fuchsias in the tight little island. Fuchsia Fan 12(12):4-5. Dec.1952. 96.532 F952
England.

22284 BROWNING, G. H. The naming of wild-flowers. London,Williams and Norgate,1952. 159 p. 452.14 B82

22285 BUCK, L. J. My favorite corner. Amer. Rock Gard. Soc. B. 10:43-44. July 1952. 81 Am342
In author's garden at Far Hills, N. J.

22286 BUCK, L. J. Phlox adsurgens. Amer. Rock Gard. Soc. B. 10:53-54. July 1952. 81 Am342

22287 BUINING, A. F. H. An unusual Notocactus. (In Dutch.) Succulenta 6:95. Nov./Dec.1952. 450 Su12
N. müller mölleri.

22288 BUINING, A. F. H. Lobivia backebergii (Werd.) Bckbg. (In Dutch.) Succulenta 6:98-99. Nov./Dec.1952. 450 Su12

22289 BURKE, E. Roses add a festive touch. Amer. Rose Mag. 10(12):10-12 Dec.1952. 80 Am327A

22290 BURKS, A. J. Gladiolus; where to plant them. Flower Grower 40(2):46. Feb.1953. 80 M72

22291 BYHOUWER, J. T. A Continental looks critically at American landscape architecture with regret for the passing of the 19th-century tradition. Landscape Architect. 43:30-31. Oct.1952. 80 L23

22292 CADNEY, G. In defence of species. Alpine Gard. Soc. Q. B. 20:314-319. Dec.1952. 84 AL6
Alpine plants.

22293 CALVINO, G. E. M. Technical report of the Experiment Station of Floriculture at Sanremo for the year 1951. (In Italian.) Ann. della Sper. Agr. (n.s.)6 (6,sup.):I-XXXV. 1952. 16 An76
English summary.

22294 CANDIDA, F. Let us tree-line the streets and roads of the cities where possible. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(101):8-9. Dec.4,1952. 281.8 Ag3

22295 CARLETON, R. M. Perennials from seed. Flower Grower 40:60-63. Jan.1953. 80 M72

22296 CAVES, N. L. Autumn colour in the small garden. Gard. Chron. 132:242-243. Dec.20,1952. 80 G162

22297 CHALLENGER, S. Weldenia candida. Gard. Chron. 132:226. Dec.6,1952. 80 G162

22298 CHANSLER, W. S. Tall ironweed [Vernonia altissima]. Wild Flower 28:89. Oct.1952. 451 W642

22299 CHEVALIER, C. Quelques plantes intéressantes de serre froide. B. Hort. (n.s.) 7:319-322. Nov.1, 1952. 80 B873

22300 CLARK, R. B. Hollies to the forefront. Horticulture 30:454,472. Dec.1952. 80 H787

22301 COOK, J. H. Show varieties—how they rate with me. Gladiolus Mag. 16(6):23-27. Dec.1952. 96.43 N44

22302 COOPER, A. E. Establishing the new lawn. Pa. State Col. Agr. Ext. C. 407,9 p. Sept.1952. 275.29 P38C

22303 CORNELL, M. L. House plants that can take it. Horticulture 30:459. Dec.1952. 80 H787

22304 COUNT, R. D. Fuchsias—prune or discard. Fuchsia Fan 12(12):8-9. Dec.1952. 96.532 F952

22305 COWELL, E. A holly harvest pays off. Org. Farmer 4(5):22-23,51-53. Dec.1952. 57.8 Or3

22306 CREECH, J. L. Border carnations and pinks. Natl. Hort. Mag. 31:271-277. Oct.1952. 80 N216

22307 CROW, J. Your indoor plants from Aspidistra to Zalacca; a guide to the selection & care of indoor plants and window boxes. London,Weidenfeld & Nicolson, 1952. 168 p. 96.06 C88

22308 CUMMING, R. W. Perennials, newcomers and old. Horticulture 31:14-15,24. Jan.1953 80 H787

22309 DARLING, R. J. Shrubs for the rock garden. Plants & Gard. 8:249-253. Autumn 1952. 450 P694

22310 DAVIS, B. A. Trio of southern belles: three fine shrubs for mild climate. Flower Grower 40(2):54-55,59. Feb.1953. 80 M72
Hibiscus rosa-sinensis, Gardenia, and Franklinia alatamaha.

22311 DEAN, R. H. Heating of fern [Asparagus plumosus] in frost time. Fla. Grower 61:7. Jan.1953. 80 F6622

22312 DEBRUS, J. La rose: reine des fleurs. Cour. Hort. 14:551-553. Oct.1952. 80 C834

22313 DEKKER, P. Bulb and tuber plants in the garden. (In Flemish.) Cult. en Handel 18:642-644. Nov. 1952. 80 C892

22314 DEKKER, P. Keep an eye on the new Chrysanthemums. (In Flemish.) Cult. en Handel 18:704-706. Dec.1952. 80 C892

22315 DENTON, W. Cultivation of succulents. Cactus & Succulent J. Gt. Brit. 14:76-77. Oct.1952. 450 C113

22316 DEYOUNG, R. Diastema pictum. Gloxinian 2(3):19. Nov./Dec.1952. 96.06 G51

22317 DIMITRI, M. J. Las "Magnolias" cultivadas en la Argentina. Soc. Argentina de Hort. B. 10:103-108. July/Sept.1952. 83 So1

22318 DOIG, R. Named varieties of Cattleya trianaei. Amer. Orchid Soc. B. 21:851-855. Dec.1952. 80 Am329

22319 DUNAWAY, H. N. Method in plant propagation. Fairchild Trop. Gard. B. 8(2):3,8. Nov.1952. 451 F16B

22320 DUNN, H. A. Catasetum viridiflavum. Amer. Orchid Soc. B. 21:877. Dec.1952. 80 Am329

22321 DUNN, H. A. Epidendrum fragrans Sw. Orchid J. 1:422. Nov.1952. 80 Or174

22322 DUNN, H. A. Orchid collecting in Panama. Orchid J. 1:438-441. Nov.1952. 80 Or174

22323 EATON, A. R. The gardens of colonial Williamsburg. Arborist's News 17:93-96. Nov.1952. 99.8 Ar14

22324 EIDT, L. Short cuts in propagating Saintpaulias. African Violet Mag. 6(2):41. Dec.1952. 80 Af8

22325 ELKAN, E. A journey to France. Cactus & Succulent J. Gt. Brit. 14:89. Oct.1952. 450 C113

22326 ELLIS, C. K. Propagating shrubs, trees, and plants by half-ripe cuttings. New Zeal. J. Agr. 85:549, 551. Dec.1952. 23 N48J

22327 ELLIS, R. A. Four years with orchids. Amer. Orchid. Soc. B. 21:875-876. Dec.1952. 80 Am329

22328 ELTER, L. Le Chrysantheme. Cour. Hort. 14:543-544. Oct.1952. 80 C834

22329 ELTER, L. Les pruniers d'ornement. Cour. Hort. 14:553-556. Oct.1952. 80 C834

22330 EVERETT, T. H. House plant trends. Gard. J. 3:3-4,14. Jan./Feb.1953. 80 G1635

22331 EVERETT, T. H. Plant-scouting in the British Isles. Flower Grower 40:58-59,67. Jan.1953. 80 M72

22332 FAIRCHILD, L. M. Gladiolus; hybridizing makes a fascinating hobby. Flower Grower 40(2):48-49, 97-99. Feb.1953. 80 M72

22333 FAIRLEY, E. H. Magnolias for spring beauty. Org. Gard. 21:34-35. Jan.1953. 56.8 Or3

22334 FLETCHER, H. R. Some recent Primula introductions. Roy. Hort. Soc. J. 77:443-449. (Cont.) Dec.1952. 84 L84J

22335 FLOTO, E. V. Vor tids stueplanter [House plants today]. København,Østifternes Haveselskab,1951. 47 p. 96.06 F66

22336 FOLLETT, D. Which variety to buy? Gloxinian 2(3):24-25. Nov./Dec.1952. 96.06 G51
African violets.

22337 FORTNAM, B. One lady's choice of the best new glads. Pop. Gard. [Albany] 4:38-39,77-80. Jan. 1953. 80 P812

22338 FOWLER, H. Ground covers for many conditions. Green Thumb [Denver] 9(12):19-21. Dec.1952. 80 G82

22339 FREDERICK, V. R. Growing the onco and regelia Irises. Amer. Iris Soc. B. 128:30-33. Jan.1953. 81 Am39

22340 FREE, M. House plants on the march. Home Gard. 21:41-43. Jan.1953. 80 H756

22341 FREE, M. More and better perennials. Home Gard. 21:31-35. Jan.1953. 80 H756

22342 FRESE, P. F. Review of the 1953 annual flowers. Pop. Gard. [Albany] 4:28-30,72-73. Jan.1953. 80 P812

22343 FROST, E. H. Sky ponds of childhood. Amer. Rock Gard. Soc. B. 10:79-80. Oct.1952. 81 Am342
Includes list of plants grown around ponds on Nantucket Island.

22344 FURLONG, E. E. Garden of one hundred stones; contemporary American conception in the Japanese style. Landscape Architect. 43:5-11. Oct.1952. 80 L23

22345 GAGNON, P. E. Studies on propagation of certain conifers. Parks & Recreation 35(12):9-11. Dec. 1952. 98.8 P23

22346 GASTAUD, J. Le jardin de rocailles; sa technique, sa plantation. Cactus [Paris] 33:75-80. Sept.15,1952. 450 C114
Jardin Exotique de Monaco.

22347 GELOSO, A. R. Five methods of forcing lilac. Grower [London] 38:1292,1297. Dec.27,1952. 286.83 M34

22348 GILBERT, P. A. Orchids, their culture and classification. Sydney,Shepherd Press,1951. 252 p. 96.2 G370

22349 GILGUT, C. J. Flower growers! Protect Azaleas in the fall. Res. Rev. [Mass. Sta.] 1(2):12-13. July 1952. 100 M38R

22350 GOLUBINSKII, I. N. Ordinary male fern [Dryopteris filiz-mas]. (In Russian.) Sad i Ogorod 10: 77. Oct.1952. 80 Sa13

22351 GRAU, F. V. Better turf—a world concept. Internatl. Grassland Conf. Doc. 6(16),10 p. 1952. 60.19 In86

22352 GRAU, F. V., and RADKO, A. M. Report findings of national Merion bluegrass survey. Golfdom 26 (10):46,48,50. Oct.1952. 60.18 G58

22353 GRAVES, A. H. Poinsettia flower of mystery. Horticulture 30:464. Dec.1952. 80 H787

22354 GREEN, G. G. Colour in autumn. Cactus & Succulent J. Gt. Brit. 14:82,87. Oct.1952. 450 C113
Succulents.

22355 GUERRÉ, M. Potées fleuries; Chrysanthème, primevère, Cyclamen, hortensia, Cinéraire, oeillet. Paris,Maison Rustique,1951. 94 p. 96.06 G93

22356 GUN'KO, G. K. New method for preparing planting stock of Kazanlik roses. (In Russian.) Selek. i Semen. 19(10):64-66. Oct.1952. 61.9 Se5

22357 HAGER, H. Unusual orchids for the hobbyist. Amer. Orchid Soc. B. 21:863-866. Dec.1952. 80 Am329

22358 HALL, H. Cheiridopsis purpurascens, N. E. Br. Cactus & Succulent J. Gt. Brit. 14:88. Oct.1952. 450 C113

22359 HAMBLIN, S. F. Rock plants for beginners—and for others. Plants & Gard. 8:202-209. Autumn 1952. 450 P694

22360 HANEY, W. J. Better snapdragons. Canad. Florist 47(22):9-10,18-20. Oct.25,1952. 80 C163

22361 HARVEY, N P. A survey of the newer roses. Gard. Illus. 70:6-7. Jan.1953. 80 G169

22362 HASSAN, E. N. Rock gardening in the South. Plants & Gard. 8:230-235. Autumn 1952. 450 P694

22363 HAWKES, A. D. Know your orchids better. 5. Calanthe R. Brown. Orchid J. 1:383-384. Oct.1952. 80 Or174

22364 HAWORTH-BOOTH, M. Brightening the banks. Country Life [London] 112:1724-1725. Nov.28,1952. 80 C83

22365 HAWORTH-BOOTH, M. Garden improvements. Country Life [London] 112:2090-2091. Dec.26,1952. 80 C83

22366 HAYWARD, MRS. H. European alpine Primulas. Amer. Rock Gard. Soc. B. 10:81-82. Oct.1952. 81 Am342

22367 HEATH, G. W. Daffodils for rock gardens. Amer. Rock Gard. Soc. B. 10:71-76. Oct.1952. 81 Am342

22368 HELLYER, A. G. L. Christmas flowers for the greenhouse. Country Life [London] 112:1842-1843. Dec.5,1952. 80 C83

22369 HELLYER, A. G. L. Forgotten plants for the herbaceous border. Country Life [London] 113:26-27. Jan.2,1953. 80 C83

22370 HELLYER, A. G. L. Roses that take care of themselves. Country Life [London] 112:1642-1643. Nov.21,1952. 80 C83

22371 HILLS, L. D. Herbaceous borders without digging. Farmer [Bridgewater] 7:35-36. Autumn 1952. 10 F2282

22372 HOLLEY, W. D., and WAGNER, D. L. Carnation timing from a single pinch. Colo. Flower Growers Assoc. B. 38:1-3. Dec.1952. 81 C715

22373 HOPKINS, D. P. Your lawn in autumn. Rose 1:57-60. Autumn 1952. 96.1 R725

22374 HORNOS DE AZEVEDO, C. Historia de los jardines. Soc. Argentina de Hort. B. 10:24-28,72-78, 124-126,163-166. Jan./Mar.-Oct./Dec.1952. 83 So1

22375 HORSFORD, W. C. Native northeastern plants for the shady rock garden. Plants & Gard. 8:218-224. Autumn 1952. 450 P694

22376 HOTTES, A. C. The book of annuals. Ed. 6. New York,De La Mare,1952. 184 p. 97.41 H79

22377 HUME, H. H. Hollies of the Southeastern States. Arboretum B. 15(4):11-14,30. Winter 1952. 451 Ar1

22378 HUNEGS, S. How roses are classified. Minn. Hort. 81:13. Jan.1953. 81 M66

22379 HUTTLESTON, D. G. Within the Brooklyn Botanic Garden; blossoming of unusual tropical plants. Plants & Gard. 8:270-271. Autumn 1952. 450 P694

22380 IHM, E. M. Fenster im blumenschmuck. Wien,Scholle-Verlag,1952. 24 p. 96.06 Ih4

22381 INGWERSEN, W. Asteranthera ovata. Gard. Chron. 132:225. Dec.6,1952. 80 G162

22382 INGWERSEN, W. Gentiana acaulis. Amer. Rock Gard. Soc. B. 10:76-77. Oct.1952. 81 Am342

22383 INGWERSEN, W. Ground coverers for bulbs. Amer. Rock Gard. Soc. B. 10:35-37. July 1952. 81 Am342

22384 INGWERSEN, W. Knowing and growing hardy rock-garden Geraniums. Nurseryman & Seedsman 115: 852-854. (Cont.) Oct.16,1952. 80 N933

22385 INGWERSEN, W. The twelve "best sellers" among alpines. Gard. Craftsman 1:173-175. Nov.1952. 80 G1636

22386 ITO, T. The culture of Iris in Japan. Amer. Iris Soc. B. 128:12-25. Jan.1953. 81 Am39

22387 JACOBE, M. Thunbergia alata. Soc. Argentina de Hort. B. 10:23-24. Jan./Mar.1952. 83 So1

22388 JEFFERSON-BROWN, M. J. Daffodils for amateurs. London,Faber and Faber,1952. 96 p. 96.47 J35D

22389 JOHNSON, S. C. Where to look for wild flowers. London,1952? 143 p. 458 J632

22390 JUKES, T. All the year round. Alpine Gard. Soc. Q. B. 20:336-338. (Cont.) Dec.1952. 84 AL6

22391 KELLY, G. W. Alpine plants from the Rocky Mountains. Plants & Gard. 8:225-229. Autumn 1952. 450 P694

22392 KIAER, E. Use the bushes in the garden in a new and pretty way. (In Danish.) Haven 52:148-149. Dec. 1952. 80 H29

22393 KIPLINGER, D. C. Propagation of rock garden plants by cuttings. Plants & Gard. 8:258-261. Autumn 1952. 450 P694

22394 KIRK, E. B. Nasturtiums. Natl. Hort. Mag. 31:261-270. Oct.1952. 80 N216

22395 KISCH, E. R. The best of the newer roses. Rose 1:19-23. Autumn 1952. 96.1 R725

22396 KLABER, D. Another year, a new enthusiasm. Amer. Rock Gard. Soc. B. 10:45-46. July 1952. 81 Am342
Rock gardening at Quakerstown, Pa.

22397 KNOBLOCK, E Patio planters. Bromeliad Soc. B. 2:57-58,60. Sept./Oct.1952. 451 B78
In the old quarter of New Orleans.

22398 KNOCK, F. The new Fleecealba Begonia. Begonian 19:269. Dec.1952. 96.511 B39

22399 KNOWLTON, H. W. The thirteenth annual Symposium. Amer. Iris Soc. B. 128:6-11. Jan.1953. 81 Am39

22400 KORBOBO, R. P. How to landscape your home. N. J. Agr. Col. Ext. L. 97,8 p. Sept.1952. 275.29 N46L

22401 KROMDIJK, G. Forcing Hydrangea. (In Flemish.) Cult. en Handel 18:644-646. Nov.1952. 80 C892

22402 KRUYNES; MRS. J. My coalbin greenhouse. Pop. Gard. [Albany] 4:48,50-51. Jan.1953. 80 P812
Used for culture of African violets.

22403 KUL'CHENKO, A. I. Growing seeds of annual Asters. (In Russian.) Sad i Ogorod 10:71-72. Oct.1952. 80 Sa13

22404 KYLE, F. Chrysanthemums; a complete guide to their culture. London,Ward,Lock,1952. 192 p. 96.519 K98

22405 LAFKIN, W. E. Making the new lawn. Ed. 2. White Plains,N. Y.,1952. 11 p. 97.6 L13

22406 LAFKIN, W. E. Renovating the established lawn. Rev. ed. White Plains,N. Y.,1952. 16 p. 97.6 L13R

22407 LANE, L. E. H. Tree pruning and preservation Country Life [London] 112:1664. Nov.21,1952. 80 C83

22408 LARUS, J. P., CASON, J. F., and MODE, S. Favorite Gladiolus. Pop. Gard. [Albany] 4:38,82. Jan. 1953. 80 P812

22409 LE GRICE, E. B. The best of the newer floribundas. Rose 1:24-26. Autumn 1952. 96.1 R725

22410 LEWIS, C. E. Tips for better landscapes. Amer. Nurseryman 97:15-17. Jan.1,1953. 80 Am371
Using hedges.

22411 LIBOWITZKY. Der sadestrauch oder sebenbaum [Juniperus sabina]. Gart.-Z. Illus. Flora 75:121-122. Nov.1952. 80 G1991

22412 LILLEY, S. E. Five years after. Alpine Gard. Soc. Q. B. 20:359-364. Dec.1952. 84 AL6
Results in cultivating rock garden plants obtained from the garden of the late Dr. Giuseppi.

22413 LOVELOCK, E. B. Alpine bellflowers [Campanula]. Plants & Gard. 8:254-257. Autumn 1952. 450 P694

22414 LOWE, D. The A. G. S. tour in the Alpes Maritimes. Alpine Gard. Soc. Q. B. 20:364-365. Dec. 1952. 84 AL6

22415 MCDONALD, E. The gay gesneriads. South. Florist & Nurseryman 65(43):11-12,20. Jan.16,1953. 80 So86

22416 MCFARLAND, J. H., CO. Modern roses IV; a uniform descriptive list of all roses in commerce or of historical or botanical importance. Harrisburg,Pa., 1952. 361 p. 96.1 M162M

22417 MADDEN, E. A. Treatment of lawns in spring. New Zeal. J. Agr. 85:337. Oct.15,1952. 23 N48J

22418 MAGIE, R. O. Curing and storage of Gladiolus bulbs. No. Amer. Com. Gladiolus Growers. Newslet. 13:2-3. Oct.22,1952. 96.43 N813

22419 MARDEN, L. Tropical gardens of Key West. Natl. Geog. Mag. 103:116-124. Jan.1953. 470 N213

22420 MARTIN, H. Vom gartenbau in der Schweiz. Gart.-Z. Illus. Flora 75:122-124. Nov.1952. 80 G1991

22421 MASTRANGEL, W. The beautiful Arizona rainbow cacti. Cactus & Succulent J. 24:180-181. Nov./Dec.1952. 451 C11
Echinocereus rigidissimus.

22422 MAUMENÉ, A. Les plantes à feuillage dans la maison. Vie à la Campagne 41:416-418. Dec.1952. 80 V67

22423 MAUMENÉ, A. Plantes à la végétation dressée ou étalée. Vie à la Campagne 41:419-421. Dec.1952. 80 V67
House plants.

22424 MEYER, K. How to grow a tree Wistaria. Flower Grower 40(2):61-62. Feb.1953. 80 M72

22425 MEYN, W. Is it true what they say? Fuchsia Fan 12(12):6-7. Dec.1952. 96.532 F952
Culture.

22426 MINTER, M. Begonia x dishasta. Begonian 19:265. Dec.1952. 96.511 B39

22427 MINTER, M. Clues to some of your problems. Begonian 19:265-268. Dec.1952. 96.511 B39
Glossary of botanical terms, p.266-268. Dec.1952

22428 MODE, S. My ideal glads. Gladiolus Mag. 16(6):9-21,32. (Cont.) Dec.1952. 96.43 N44

22429 MORRIS, L. G. Towards planting bulbs by machine. Gard. Craftsman 1:169-171. Nov.1952. 80 G1636

22430 MORRISH, R. H. Grasses and legumes for roadsides, airfields, and other non-agricultural lands. Internatl. Grassland Conf. Abs. Papers 6(G):33. 1952. (Doc.5) 60.19 In86
Discussion by J. R Herman, p. 23.

22431 MORRISON, B. Y. Concerning Rex Begonias. Natl. Hort. Mag. 31:237-259. Oct.1952. 80 N216

22432 MORTON, J. W. 250 beautiful flowers and how to grow them. London,1952? 192 p. 96 M84

22433 MOTTET, S. J. Arbres et arbustes d'ornement de pleine terre. Rev. par J. Hamm. Paris,Baillière,1952. 372 p. (Bibliothèque d'Horticulture Pratique) 97.31 M85

22434 MÜLLER, B., and MAIWALD, K. H. Herbstschönheit. Deut. Baumsch. 4:267-275. Oct.1952. 80 D486

22435 NAPIER, J. M. Growing Camellias as a hobby. Clemson Agr. Col. S. C. Ext. C. 377,24 p. Sept.1952. 275.29 So8E

22436 NEARING, G. G. The box huckleberry [Gaylussacia brachycera]. Amer. Rock Gard. Soc. B. 10: 82-84. Oct.1952. 81 Am342

22437 NEARING, G. G. More about growing the moccasin flower [Cypripedium acaule]. Amer. Rock Gard. 10:46-50. July 1952. 81 Am342

22438 NEUNER, T. Growing orchids in a small greenhouse. Mo. Bot. Gard. B. 40:141-144. Nov.1952. 451 M69B

22439 NEW ORLEANS GARDEN SOCIETY. Gardening in New Orleans, compiled by Mrs. W. Oser and Mrs. C. B. Stewart. New Orleans,Crager,1952. 210 p. 97 N47

22440 NILSSON, A. Trädgårdsboken; en handledning i trädgårdens planering och anläggning [The garden book; a guide to the planning and development of the garden]. Ed. 3. Stockholm,Kooperativa Förbundets Bokförlag, 1952. 208 p. 97 N59

22441 NISBET, F. J. Plants for decorating blank walls. Amer. Nurseryman 97(2):7,86-87. Jan.15,1953. 80 Am371

22442 NITZELIUS, T. Trädgårdens vackraste blommor [The most beautiful flowers in the garden]. Ed. 2. Stockholm,Saxon & Lindström,1952. 271 p. 97.42 N63

22443 NOACK, E., and KALLAUCH, W. Rosenkultur unter glas. Ed. 2, rev. Berlin,Parey,1952. 82 p. 96.1 N66

22444 NORDAN, W. W. Meet the Zoysia family. Green Thumb [St. Petersburg] 3:7-8,15,30. Oct.1952. 80 G822

22445 NORMAN, A. Start planting now. Rose 1:27-32. Autumn 1952. 96.1 R725

22446 NORTH CAROLINA CAMELLIA SOCIETY. Yearbook 1951-1952. Raleigh,1952. 28 p. 97.31 N81

22447 NORTHEN, R. T. Cattleya trianaei. Amer. Orchid Soc. B. 21:881-885. Dec.1952. 80 Am329

22448 NYE, C. Treasure unawares. Amer. Rock Gard. Soc. B. 10:50-52. July 1952. 81 Am342
Lewisia.

22449 OSBORN, A., and BAGENAL, N. B., eds. Pruning; a practical handbook on the pruning of ornamental and flowering trees and shrubs, rose trees and fruit trees. London,Ward,Lock,1952. 160 p. 90.12 Os1

22450 OTTERLOO, J. W. VAN. Boskoop cultures. (In Dutch.) Zaad-, Bloem- en Bollenwereld 16:411,413. Oct.1952. 61.8 Z12
Cotoneaster varieties.

22451 PABST, G. F. J. Oncidium limminghei and phytogeography. Orchid J. 1:366. Oct.1952. 80 Or174
Translated from the Portuguese by A. D. Hawkes.

22452 PANNEKOEK, G. J. Landscaping of large villa gardens in a formal style. (In Flemish.) Cult. en Handel 18:711-712. Dec.1952. 80 C892

22453 PARDÉ, L. Les feuillus. Paris,Maison Rustique,1952. 383 p. 452.3 P21F

22454 PARISH, M. Landscaping for everyone. I. Org. Gard. 21:20-21,59-61. Jan.1953. 56.8 Or3

22455 PARK, B. Plan and plant for colour. Rose 1:33-34. Autumn 1952. 96.1 R725

22456 PESMAN, M. W. Designing a rock garden. Plants & Gard. 8:190-193. Autumn 1952. 450 P694

22457 PFISTER, C. E. New roses for 1953. Flower Grower 40:48-49,76-78. Jan.1953. 80 M72

22458 PHILLIPS, M. Flamboyant flowers. Horticulture 31:12,26. Jan.1953. 80 H787

22459 PIENAAR, E. A. An interesting Anacampseros [A. rhodesica]. Cactus & Succulent J. 24:185. Nov./Dec. 1952. 451 C11

22460 PIERCE, G. L. Gladiolus; a review of the miniatures. Flower Grower. 40(2):45,94-96. Feb.1953. 80 M72

22461 PINTO, V. DI. Sulla profondità d'impianto dell'albero [Depth of planting for trees]. Italy. Ispettorato Prov. dell'Agr. de Napoli C. 2,7 p. 1952. 16 It8

22462 PLATT, W. Wild flowers, how and where to find them. London,1952? 124 p. 458 P69

22463 POTTER, C. H. A growers' guide to bedding plants. 6. Geraniums. Florists' Rev. 111(2874):19-20, 68-69. Dec.25,1952. 80 W41

22464 POTTER, C. H. A growers' guide to bedding plants. 7-8. Florists' Rev. 111(2875):23-24,101-103; (2876):29-30. Jan.1-8,1953. 80 W41

22465 PRING, G. H., and CUTAK, L. Do you want a lily pond? Flower Grower 40(2):52-53,75-76. Feb. 1953. 80 M72

22466 PULLAR, E. A. Symphonies of color in the garden. Gard. J. 3:5-6. Jan./Feb.1953. 80 G1635

22467 RANDALL, H. J. The development of the Hemerocallis. Gard. Chron. 133:4-5. Jan.3,1953. 80 G162

22468 REVENUSSO. Origine et biogéographie des Cactées. Cactus [Paris] 33:101-103. Sept.15,1952. 450 C114

22469 RIES, V. H. Rock garden clinic. Plants & Gard. 8:210-217. Autumn 1952. 450 P694

22470 RIES, V. H. Wall gardens. Plants & Gard. 8:196-201. Autumn 1952. 450 P694

22471 RIVOIRON, E. Les plantes d'appartement. Paris,Bornemann,1951. 35 p. 96.06 R52

22472 ROCKWELL, F. F. Ten years with roses. Home Gard. 21:13-16. Jan.1953. 80 H756

22473 ROCKWELL, F. F. The tide of bulbs. Home Gard. 21:52-53. Jan.1953. 80 H756

22474 ROGER-SMITH, H. New-comers to my rock garden. Alpine Gard. Soc. Q. B. 20:331-335. Dec.1952. 84 AL6

22475 ROLFE, R. A. Laeliocattleya x Elegans and LC. x Schilleriana. Orchid J. 1:376-377. Oct.1952. 80 Or174

22476 RONCART, R. A propos de la classification des lis. B. Hort. (n.s.) 7:329-331. Nov.1,1952. 80 B873

22477 SAMPATH, V. Rose growing on the Nilgiris. Madras Agr. J. 39:505-512. Oct.1952. 22 M262

22478 SANDAY, W. J. W. The best of the older roses. Rose 1:15-18. Autumn 1952. 96.1 R725

22479 SANDERS, S. Sander's list of orchid hybrids. Addendum. 1946-1948 (1 issue). London,1952. 423 p. 96.2 Sa52

22480 SCHULZ, P. Grow them under lights. Gloxinian 2(3):12-13,17. Nov./Dec.1952. 96.06 G51
African violets.

22481 SENIOR, R. M. Seeds planted in sphagnum. Amer. Rock Gard. Soc. B. 10:52-53. July 1952. 81 Am342

22482 SENNELS, N. J. The cultivated species of Freesia. Copenhagen,J. E. Ohlsens Enke,1951. 64 p. 96.42 Se5Ae

22483 SHAFFER, K. An interesting group of Phalaenopsis hybrids. Orchid J. 1:378-379. Oct.1952. 80 Or174

22484 SHEPHERD, R. E. A hedge of roses. Amer. Rose Mag. 10(12):7-9. Dec.1952. 80 Am327A

22485 SHERMAN, H. M. Gladiolus. Flower Grower 40(2):42-44,90-93. Feb.1953. 80 M72

22486 SHEWELL-COOPER, W. E. Caring for carnations [Dianthus]. Estate Mag. 52:468-470. Nov.1952. 10 Es8

22487 SHIPPY, B. L. New Begonias. Flower Grower 40:64-65. Jan.1953. 80 M72

22488 SHOUPP, F. J. Herbs for the rock garden. Plants & Gard. 8:246-248. Autumn 1952. 450 P694

22489 SIKES, L. M. Achimenes in La Jolla, California. Natl. Hort. Mag. 31:285. Oct.1952. 80 N216

22490 SJÖBECK, E. ICA-kurirens blomsterbok [The ICA-courier's flower book]. Göteborg,ICA-Förlaget, 1952. 128 p. 96.06 Sj5

22491 SMART, E. G. Sweet peas for market; value of the Cuthbertson varieties. Nurseryman & Seedsman 115:1242-1243. Nov.20,1952. 80 N933

22492 SMITH, L. B. Bromeliad hunting in Argentina Bromeliad Soc. B. 2:54-56. Sept./Oct.1952. 451 B78

22493 SMITH, N. G. Dahlias for all. London,Faber and Faber,1952. 94 p. 96.524 Sm6D

22494 SNYDER, L. C. Do you know your evergreens? Minn. Hort. 81:7. Jan.1953. 81 M66

22495 SNYDER, L. C., and SMITH, M. E. Woody plants for Minnesota. Minn. U. Agr. Ext. B. 267,24 p. Mar.1952. 275.29 M66S
Trees and shrubs.

22496 SOCIETY FOR LOUISIANA IRISES: Yearbook 1951-52. n.p.,1952? 32 p. 96.45 So1

22497 SOUSTER, J. E. S. Some Australian wattles. Gard. Illus. 70:8. Jan.1953. 80 G169

22498 SPAARGAREN, J. L. Aalsmeer cultures. The Chrysanthemum. III. Zaad-, Bloem- en Bollenwereld 16: 403,405. Oct.1952. 61.8 Z12

22499 SPILLERS, G. C. A brief history of the garden club movement in America. Natl. Gard. 24:7-8,33. Jan./Feb.1953. 90.32 N21

22500 SPRY, C. Flower arrangement and display. Roy. Soc. Arts. J. 100:814-824. Oct.31,1952. 501 L847J
Includes discussion.

22501 STEPHENS, J. A. Cool orchids for the amateur. Amer. Orchid Soc. B. 21:871-874. Dec.1952. 80 Am329

22502 STEWART, V. Rock gardening in California. Plants & Gard. 8:236-240. Autumn 1952. 450 P694

22503 STOCKDALE, A. How I make my Cattleyas bloom: stage resting. Amer. Orchid Soc. B. 21:867-869. Dec.1952. 80 Am329

22504 STOFMEEL, W. J. Drying of Gladiolus tubers. II. (In Dutch.) Weekbl. v. Bloembollencult. 63:176-178. Nov.21,1952. 80 W412

22505 STOUT, A. B. Four new daylily clones. Gard. J. 3:22. Jan./Feb.1953. 80 G1635

22506 STOUTEMYER, V. T. Introducing some promising new plants. Pacific Coast Nurseryman 11(11): 18,46-48. Nov.1952. 80 P116
Ornamental plants for California.

22507 SUTCLIFFE, A. A rock garden in the city. Plants & Gard. 8:241-245. Autumn 1952. 450 P694

22508 SWEENEY, J. A. Street tree planting and early maintenance. Arborist's News 17:99-100. Nov. 1952. 99.8 Ar14

22509 SWIFT, H. W. Fool-proof perennials for the contemporary border. Gard. J. 3:7-9,14. Jan./Feb.1953. 80 G1635

22510 TAYLOR, H. C. H. The charm of double primroses. Gard. Illus. 70:9-10. Jan.1953. 80 G169

22511 THOMAS, G. S. Decorative foliage. Rose 1: 39-41. Autumn 1952. 96.1 R725

22512 THOMSON, J. Change winter drabness with colorful evergreens; it's easy to make the approaches to your farm house something to be specially proud of. Prairie Farmer, Gen. Ed. 125(2):6,38. Jan.17,1953. 6 P883

22513 TUNSTILL, A. Camellia culture. Fuchsia Fan 12(12):9-10. Dec.1952. 96.532 F952

22514 UITEWAAL, A. J. A. Crassula grisea Schönl. (In Dutch.) Succulenta 6: 93-94. Nov./Dec.1952. 450 Su12

22515 UITEWAAL, A. J. A. Dudleya. (In Dutch.) Succulenta 6:96-97. Nov./Dec.1952. 450 Su12

22516 UNWIN, S. P. Garden design. 6. The bog and water garden. Gard. Craftsman 1:181-183. Nov.1952. 80 G1636

22517 VACHEROT-LECOUFLE. Notes on Phalaenopsis. Orchid J. 1:363-365. Oct.1952. 80 Or174

22518 VADE, S. Créez un climat favorable pour vos plantes d'intérieur. Vie à la Campagne 41:443-444. Dec.1952. 80 V67

22519 VADÉ, S. Des plantes plus belles grace `a ces méthodes. Vie à la Campagne 41:440-442. Dec.1952. 80 V67
House plants.

22520 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Flower arrangement for your room. Va. Agr. Col. Ext. C. 548,2 p. June 1952. 275.29 V81C

22521 VORREYER, F. Strassenbepflanzung auf wirtschaftlicher grundlage. Holz-Zentbl. 78:2123-2125. Dec.20,1952. 99.81 H742

22522 WACHER, H. S. Shrubs for the rock garden. II. Alpine Gard. Soc. Q. B. 20:320-327. Dec.1952. 84 AL6

22523 WALBANK, A. Poor men's flowers. Countryman [Burford] 46:255-258. Winter 1952. 281.28 C832
Great Britain.

22524 WALKER, K. B. Gesneriad plant boxes. Gloxinian 2(3):25. Nov./Dec.1952. 96.06 G51

22525 WALMSLEY, L. A. Aloes—for that tropical effect. Florists' Rev. 111(2879):25,33. Jan.29,1953. 80 W41

22526 WARING, R., and BARBOUR, C. What not to put in a small new garden; the views and opinion of two elderly, pollen-allergic ladies. Green Thumb [Denver] 9(12):30-31. Dec.1952. 80 G82

22527 WASSCHER, J. The significance of the N.A.K.S. (General Netherlands Inspection Service for Ornamental Plants) for the cultivation of Cyclamen and carnations. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:577-585. Ref. Aug./Sept.1952. 86 N384
English summary.

22528 WATSON, R. F. A cold greenhouse. Alpine Gard. Soc. Q. B. 20:366-367. Dec.1952. 84 AL6
Culture of alpine plants.

22529 WAUGH, D. Emily Dickinson's garden. Pop. Gard. [Albany] 4:34-35,68-71. Jan.1953. 80 P812

22530 WEBER, W. H. Waxing for winter protection. Prof. Gard. 4:245-246. Dec.1952. 80 P945
Boxwood and evergreens.

22531 WELLBORN, R. E. Successful varieties in drought. Gladiolus Mag. 16(6):2,50,60. Dec.1952. 96.43 N44

22532 WELLS, J. S. Preparing for machine planting. Nurseryman & Seedsman 115:1300-1301. Nov.27,1952. 80 N933
Rooting cuttings of Taxus and lilac.

22533 WHERRY, E. T. The eastern foamflowers [Tiarella]. Amer. Rock Gard. Soc. B. 10:65-68. Oct. 1952. 81 Am342

22534 WILLARD, R. F. Gladiolus; new hints on culture. Flower Grower 40(2):47,99-100. Feb.1953. 80 M72

22535 WILLIAMS, E. G. C. Ginkgo. Pop. Gard. [Albany] 4:36-37,66-67. Jan.1953. 80 P812

22536 WILSON, A. E. Tree planting in streets. Agr. Gaz. N. S. Wales 63:521-522. (Cont.) Oct.1952. 23 N472

22537 WILSON, MRS. R. Lycoris squamigera. Gard. Club Amer. B. 41:44-45. Jan.1953. 90.32 G16

22538 WINTERS, H. F. Some large-leaved ornamental plants for the Tropics. P. R. (Mayaguez) Fed. Expt. Sta. C. 35,92 p. Ref. Oct.1952. 1 Ex65

22539 WOOLLEY, D. P. Welwitschia mirabilis. Natl. Hort. Mag. 31:285-286. Oct.1952. 80 N216

22540 WRIGHT, H. D. Phalaenopsis x Nuel N. Songer. Orchid J. 1:367-368. Oct.1952. 80 Or174

22541 WYMAN, D. Plant for permanence: Mountain Andromeda. Flower Grower 40:6,8. Jan.1953. 80 M72

22542 WYMAN, D. Plant for permanence: Warminster broom [Cytisus praecox]. Flower Grower 40(2):18, 20. Feb.1953. 80 M72

22543 WYMAN, D. Trees and shrubs, a two-way view. Home Gard. 21:17-19. Jan.1953. 80 H756

Vegetable and Truck Crops (Including Potatoes)

22544 ADAMSON, R. M. Effects of various growing methods in leek seed production. Sci. Agr. 32:634-637. Dec.1952. 7 Sci2

22545 ALEKSANDROV, S. V. Use of hybrid seeds to increase the crop of cucumbers in greenhouses. (In Russian.) Sad i Ogorod 10:43-45. Oct.1952. 80 Sa13

22546 ALVAREZ-GARCIA, L. A. Problemas en la producción de tomates en Puerto Rico. Rev. de Agr. P. R. 43:132-139. Jan./June 1952. 8 R325

22547 ANDERLINI, R. Improvement of the tomato. (In Italian.) Agr. Ferrarese 56:95-99. Apr.30,1952. 16 Ag87

22548 ANDERSON, E. M. Recommended vegetable varieties for Utah. Utah. State Agr. Col. Ext. Fact Sheet 12,4 p. June 1952. 275.29 Ut1F
Replaces Circular 229.

22549 ANSELMI LAUKIN, M. S. Es necesaria la creación de un instituto para el estudio de la papa. Mensajero Agr. 76:12-13. (Cont.) Sept.1952. 9.8 M52
Culture in Peru.

22550 ASHTON, L. S. Call for cauliflower. Org. Gard. 21:36-37. Jan.1953. 56.8 Or3

22551 ASSCHE, F. VAN. Melon culture. (In Flemish) Tuinbouwberichten 16:150-151. Oct.15,1952. 80 T817

22552 ASSCHE, F. VAN. Seeding of early lettuce. (In Flemish.) Tuinbouwberichten 16:168. Nov.15,1952. 80 T817

22553 ATKINS, G. Anticipating asparagus. Gard. Illus. 70:16. Jan.1953. 80 G169
Its culture and use in gardens of ornamental plants.

22554 AYALON, A. The future of vegetable growing in Israel. (In Hebrew.) Hassadeh 33:13-17. Oct.1952. 26 H27

22555 BARTOLOME, L. A. Bermuda onion culture in Muñoz, Nueva Ecija. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(3):3-6. Mar.1952. 25 P544P

22556 BASHMAK, G. I. Accelerated propagation of selected potatoes by cuttings on summer plantings. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7: 81-82, July 1952. 20 D742
In Russian.

22557 BAUDET, and others. Études sur la tomate. Morocco. Serv. de l'Hort. P. 11,100 p. Nov.1952. 87 M82
Bouhelier, Camper, Cuénot, Gaillard de Saint-Germain, Garangeat, and Praloran, joint authors.

22558 BEATTIE, W. R. Production of turnips and rutabagas. U. S. D. A. L. 142,rev.,4 p. Sept.1952. 1 Ag84L

22559 BLESS, G. H. M. Combination culture of lettuce in frames. (In Dutch.) Groenten en Fruit 8:259. Oct.16,1952. 80 G89

22560 BLOIS, P. DE. À propos de cultures combinées en culture maraîchère. Cour. Hort. 14:541-542. Oct.1952. 80 C834

22561 BOSWELL, V. H., DOOLITTLE, S. P., and PULTZ, L. M. Pepper production, disease and insect control. U. S. D. A. Farmers' B. 2051,30 p. Nov.1952. 1 Ag84F
Supersedes Leaflet 140.

22562 BREZHNEV, D. D. New varieties of vegetable crops and promotion of their seed production in the North. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:23-29. Aug.1952. 20 D742

22563 BRISON, F. R. Influence of storage conditions on the germination of onion seed. Tex. Agr. Expt. Sta. Prog. Rpt. 1492,4 p. Aug.29,1952. 100 T31P

22564 BRUUN-MØLLER, P. Too bad that America—. (In Danish.) Haven 52:151-152. Dec.1952. 80 H29
Vegetable culture in the United States.

22565 CALZECCHI-ONESTI, A. The cabbage. (In Italian.) Italia Agr. 89:734-737. Nov.1952. 16 It1
Varieties and culture.

22566 CASTRONOVO, A. Estimación de la productividad de los semillones de papa en su primer año. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(54):41-45. June 1952. 9 Id3

22567 CHILE. DEPT. DE ECONOMIA RURAL. Producción de papa para semilla. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.263-268. Temuco,1952. 27 C7655

22568 CHOLEWINSKA, B. Pomidory [Tomatoes]. Warszawa,Państwowe Wydawnictwo Rolnicze i Leśne, 1951. 192 p. 91.58 C45

22569 CONQUET. Loire-Inférieure; monographie du Département concernant spécialement la pomme de terre. Pomme de Terre Franç. 15(159):4-8. Nov.1952. 75.8 P77

22570 CORDNER, H. B. Allgold, a new high-vitamin high-yielding sweet potato. Okla. Agr. Expt. Sta. B. B-388,11 p. Nov.1952. 100 Ok4

22571 CORTIN, B. Lilla svamp bok [Small mushroom book]. Stockholm,Gummesson,1952. 38 p. 462.5 C812L

22572 CRANE, M. B. Recent experiments in breeding new tomatoes. Grower [London] 39:33-35. Jan.3, 1953. 286.83 M34

22573 CUNY, L. Le potager familial pour les vacances. Jard. de France 8:211-221. Oct.1952. 86 So13

22574 DARMENDRAIL B., J. Producción de lentejas y su exportación. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.244-245. Temuco,1952. 27 C7655

22575 DESHMUKH, M. J. New potatoes for old. Indian Farming (n.s.)2(8):6,27. Nov.1952. 22 In283

22576 DOLAN, D. D., and CHRISTOPHER, E. P. Plant spacing of sweet corn. R. I. Agr. Expt. Sta. B. 316, 26 p. Ref. July 1952. 100 R34S

22577 DRUZIN, V. V. Vegetable gardening in the valley of the river Kamchatka. (In Russian.) Sad i Ogorod 10:50-52. Oct.1952. 80 Sa13

22578 EJSING, G. Primula and Arran Pilot. (In Danish.) Haven 52:152-153. Dec.1952. 80 H29
Early potato varieties.

22579 EJSING, G. Primula and Arran Pilot. (In Danish.) Jydsk Landbr. 34:750-751. Oct.30,1952. 11 J99
Early potato varieties.

22580 ELIASSON, A. Harvesting and storage of vegetables. (In Swedish.) Mjölkpropagandan 29:232. Oct. 1952. 44.8 M692

22581 ESITASHVILI, G. L. Time for planting onions. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Polevod. Trudy 6:109-114. 1951. 64.9 Ak12
Russian summary.

22582 FEENSTRA, P. Use of glass in the vegetable garden. 2. (In Dutch.) Amateur-Tuinder 35:188. Dec.1, 1952. 80 V88

22583 FERGUSON, A. C. Eight new onion hybrids developed. Colo. Farm & Home Res. [Colo. Sta.] 3(3): 8-9. Sept./Oct.1952. 100 C712Co

22584 FERRARI, T. J. Een onderzoek over de stroomruggronden van de Bommelerwaard met als proefgewas de aardappel. An agronomic research with potatoes on the river ridge soils of the Bommelerwaard. 's-Gravenhage,Staatsdrukkerij,1952. 132 p. Ref. 75 F412
Proefschrift - Landbouwhogeschool, Wageningen.
English summary.

22585 FUSSELL, G. E. The magical onion. Gard. Chron. 132:204. Nov.22,1952. 80 G162

22586 GARBER, K. Beobachtungen über die eignung ausländischer herkünfte von erbsen und bohnensorten für den anbau in Norddeutschland unter besonderer berücksichtigung der verwendung für die tiefgefrierindustrie. Angew. Bot. 26:147-161. Aug.1952. 450 An4

22587 GENDERS, R. Home-grown mushrooms for all. 3. Poultry 111:335. Nov.18,1952. 47.8 P869

22588 GENERALOV, G. F. Best varieties of peas on irrigated lands. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:32-35. Aug.1952. 20 D742

22589 GILLARD, S. O. Sweet corn culture. New Zeal. J. Agr. 85:321,323,325-326. Oct.15,1952. 23 N48J

22590 GONZALEZ RIOS, P. El mejoramiento de las habichuelas en Puerto Rico. Rev. de Agr. P. R. 43:140-142. Jan./June 1952. 8 R325

22591 GUILLEM, R. Edible asparagus successfully grown in Misamis Occidental. Sugar News [Manila] 28: 505. Oct.1952. 65.8 Su36

22592 GUPTA, A. P. A note on the selection of seed potatoes. Indian J. Hort. 9(3):51. Sept.1952. 80 In2

22593 GUSEĬNOV, N. M. New method of growing tomatoes in greenhouses. (In Russian.) Sad i Ogorod 10: 45-49. Oct.1952. 80 Sa13

22594 HAMBROUCK, K. The making of a plan guarantees success in the kitchen garden. (In Flemish.) Cult. en Handel 18:702-703. Dec.1952. 80 C892

22595 HASEGAWA, H., and WADA, S. Reliability of yield in F_1 plant of sweet potato. (In Japanese.) Kyushu Noji Shikinjo 9:41-42. Mar.1952. 107.6 K996

22596 HASTINGS, W. R. All-time All-America vegetable selections. Flower Grower 40:20,22. Jan. 1953. 80 M72

22597 HENDRIKX, H. Lettuce culture in North-Limburg. (In Dutch.) Groenten en Fruit 8:259-260. Oct. 16,1952. 80 G89

22598 HOLMES, G. A. Peas for canning: a new industry in North Taieri. New Zeal. J. Agr. 85:335-336. Oct.15,1952. 23 N48J
Culture.

22599 HORBERG, Y. Root crop culture. (In Swedish.) Lantmannen 37:20. Jan.3,1953. 11 L234

22600 IDAHO. AGRICULTURAL EXPERIMENT STATION. Producing the Idaho potato. Idaho. Agr. Expt. Sta. Mimeog. L. 121,16 p. Dec.1952. 100 Id12

22601 KAMERAZ, A. IA. New cultivated varieties in potato selection. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:77-89. 1951. 451 R92
Discovered by the Vsesoiuznyi Institut Rastenievodstva, Exspeditsiia.

22602 KAZAKOVA, A. A. Local onions at northern zone of USSR. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:13-21. 1951. 451 R92
Propagation.

22603 KEIJZER, R. DE. Vegetables and fruit at the foot of the Pyrenees. (In Flemish.) Tuinbouwberichten 16:164-165. Nov.15,1952. 80 T817
In France.

22604 KESSLER, J. L. How the tray system is working out in practice. MGA Bulletin 36:365-366. Dec.1952. 80 M97
Mushroom growing.

22605 KLOEN, D. Polyploid beet. Zaad-, Bloem- en Bollenwereld 16:395,397. Oct.1952. 61.8 Z12

22606 KLOP, E. Tomatoes under glass. (In Dutch.) Betuws Tuinbouwbl. 10(17):6. Nov.1,1952. 80 B464

22607 KONDRAT'EV, I. S. Tomato culture in Tomsk. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:261-264. 1951. 511 T59

22608 KONVIČKA, O. A contribution to the selective technics in improving cabbage. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. 25:363-372. Oct.1952. 19.5 C332C
English summary.

22609 KRICKL, M. Ist eine mehrmalige samenernte von ein und denselben zwiebelpflanzen möglich und wirtschaftlich? Saatgut-Wirt. 4:231-234. Oct.1952. 61.8 Sa1

22610 LAUMONNIER, R. Cultures maraîchères. Paris,Baillière,1952. 625 p. (Nouvelle Encyclopédie Agricole) 91.13 L37

22611 LINDEN, L. VAN DER. What the past cauliflower season has taught us. (In Flemish.) Tuinbouwberichten 16:166-167. Nov.15,1952. 80 T817

22612 LUXMOORE, M. C. The significance of the growing house. MGA Bulletin 36:363. Dec.1952. 80 M97
Includes use of creosote on unseasoned wood, and its effect on mushrooms.

22613 MCCUBBIN, E. N., and others. Cabbage varieties adapted to commercial production in Florida. Fla. Agr. Expt. Sta. B. 501,29 p. Aug.1952. 100 F66S
F. S. Jamison, R. W. Ruprecht, and E. A. Wolf, joint authors.

22614 MACHAVARIANI, M. Z. Varietal characteristics of beans, and nodule bacteria. (In Georgic.) Akad. Nauk Gruzinskoĭ SSR. Inst. Polevod. Trudy 6:99-108. Ref. 1951. 64.9 Ak12
Russian summary.

22615 MANNERING, R. Vegetable & fruit growing. London,1952? 123 p. 90.1 M31

22616 MANNES. Eine beste kartoffel gibt es nicht. Hannoversche Land- u. Forstwirt. Ztg. 105:1084-1085. Oct.25,1952. 18 H194
Varieties.

22617 MARENKOV, M. N., and FILIMONOV, A. A. Cover potato seed stock in time. (In Russian.) Sad i Ogorod 10:59-60. Oct.1952. 80 Sa13

22618 MARKUS, A. Lettuce culture under standing glass. (In Dutch.) Groenten en Fruit 8:260-261. Oct.16, 1952. 80 G89

22619 MATVEEV, V. P. Selection of two-crop potato varieties. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:90-101. Ref. 1951. 451 R92

22620 MAUL, F. Auf das saatgut kommt es an! Hess. Obstbau 7:22-23. Feb.1952. 80 G1932
Vegetables.

22621 MORGAN, C. N. Tomato varieties in the Metropolitan district. Queensland Fruit & Veg. News 2(46):17-18. Sept.26,1952. 280.38 Q3

22622 MORICE, G. Le cresson; les aspects techniques, pratiques, économiques, de sa culture. Paris, Maison Rustique,1951. 98 p. 91.45 M82

22623 MOS, D. DE. Lettuce culture in unheated and heated greenhouses. (In Dutch.) Groenten en Fruit 8: 254-255. Oct.16,1952. 80 G89

22624 MOSCOSO, C. G. El cultivo de la batata mameya. Rev. de Agr. P. R. 43:126-131. Jan./June 1952. 8 R325

22625 MOZHAEV, V. A. Organization of vegetable crop rotations on a consolidated kolkhoz. (In Russian.) Sad i Ogorod 10:39-40. Oct.1952. 80 Sa13

22626 NAVARRA, V. The asparagus bed. (In Italian.) Agr. Ferrarese 56:20-22. Jan.31,1952. 16 Ag87
Culture.

22627 NAVARRA, V. Cultural care of asparagus beds. (In Italian.) Agr. Ferrarese 56:68-71. Mar.31, 1952. 16 Ag87

22628 NISSLEY, C. H. Dandelion as a New Jersey crop. N. J. Agr. Col. Ext. L. 96,4 p. Sept.1952. 275.29 N46L

22629 NISSLEY, C. H. New Jersey vegetables. N. J. State Hort. Soc. Hort. News 33:2562-2563. Nov.1952. 81 N46

22630 NIX, E. M. New Florida melon varieties. Fla. Grower 61:9-10. Jan.1953. 80 F6622

22631 PIOVANO, A. Producción invernal de alcauciles. Chacra 23(265):42,44. Dec.1952. 9 C34

22632 POLAK, E., and PAVLEK, P. Neretva Valley as a vegetable raion (a contribution to the regionalization of our vegetable-growing). (In Serbo-Croatian.) Biljna Proizvodnja 5:172-179. July/Aug.1952. 64.8 B49

22633 POOLE, C. F. Onolena-Hawaiian sweet potato. Hawaii Farm Sci. [Hawaii Sta.] 1(2):7-8. July 1952. 100 H314

22634 RASMUSSEN, C. R. American mushroom news. (In Danish.) Gart.-Tid. 68:475-479. Dec.8,1952. 80 G192

22635 REICHELT, K. Frühere gemüseernten durch einfache hilfsmittel. Hess. Obstbau 7:26-27. Feb.1952. 80 G1932

22636 RODENBURG, D. Hotbed culture of lettuce. (In Dutch.) Groenten en Fruit 8:257-258. Oct.16,1952. 80 G89

22637 RUYTEN, J. H. Green greenhouse cucumber varieties. (In Dutch.) Groenten en Fruit 8:378-379. Dec. 4,1952. 80 G89

22638 SAL'NIKOV, V. V. Leningrad Greenhouse and Hotbed Kombinat. (In Russian.) Sad i Ogorod 10:40-43. Oct.1952. 80 Sa13
Vegetables.

22639 SCHICK, R. Fragen der pflanzkartoffelerzeugung. Deut. Landwirt. 3:618-627. Dec.1952. 18 D4822
Russian Zone.

22640 SCHLUBACH, K. S. Informes sobre las probables causas en los resultados de las cosechas de las papas de semilla alemanas "Voran," "Ackersegen" y "Mercur." Agr. Austral 20:267-270. July/Aug.1952. 9.3 Ag842

22641 SCHOENEMANN, J. A. The Spooner potato variety trials. Badger Common 'Tater 5(11):2-3. Nov. 1952. 75.8 B14
Tests at Spooner Branch Experiment Station Farm.

22642 SCHRÖDER. Zur sortenwahl bei den stärkereichen sorten. Praxis u. Forsch. 4:144-146. Nov.20, 1952. 18 P89
Potatoes.

22643 SEELIG, R. A. Fruit & vegetable history. Beets. Fruit & Veg. Rev. 14(9):16-17. Dec.1952. 80 C1224

22644 SEGERROS, S. A. Carrot and potato culture. (In Swedish.) Lantbrtidskr. f. Dalarna 2:74-75. Apr.1952. 11 L29

22645 SMITH, G. M. Golden harvest hybrid sweet corn. Ind. Agr. Expt. Sta. B. 578,6 p.-folder. July 1952. 100 In2P

22646 SMITH, L. The most efficient tomato nursery I've ever seen. Grower [London] 39:43,45,47. Jan.3, 1953. 286.83 M34

22647 STOKDIJK, W., and ANTWERPEN, G. VAN. Illumination of tomatoes. (In Dutch.) Groenten en Fruit 8:345,347. Nov.20,1952. 80 G89

22648 STREKALOVSKIĬ, F. P. Continued growth of cabbage during the winter. (In Russian.) Sad i Ogorod 10:54-56. Oct.1952. 80 Sa13
Storage in trenches.

22649 THOMAS, P. H. Asparagus culture. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:268-275. Nov.1952. 23 T182T

22650 TROMBARA, C. Experiments in the cultivation of some varieties of tomato in the 1951 season. (In Italian.) Indus. Ital. delle Conserve 27:99-105. Ref. May/June 1952. 389.8 In23

22651 TSYBAN', V. Method of growing cabbage without seedlings. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:65-67. 1951. 106 Um1

22652 UILENBURG, N. G. Kidney beans. (In Dutch.) Groenten en Fruit 8:280-281. Oct.23,1952. 80 G89

22653 ULLMAN, H. "Ruth" a new tomato variety. (In Hebrew.) Hassadeh 33:20-21. Oct.1952. 26 H27

22654 VAN VUREN, J. P. J. Potato cultivation. Good Husb. 3:14-16. Sept.1952. 24 G59

22655 VELDMAN, G. Forcing of witloof. (In Dutch.) Groenten en Fruit 8:314. Nov.6,1952. 80 G89

22656 VEN, C. J. VAN DER. Culture of lettuce in the open. (In Dutch.) Groenten en Fruit 8:258. Oct.16, 1952. 80 G89

22657 VIGLIONI, W. A. The potato, its culture and conditions for its proper production. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(5):12-25. May 1952. 9.2 M663

22658 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Tomatoes, easy to grow—easy to can—easy to serve. Va. Agr. Col. Ext. C. 542, 1 p. Apr.1952. 275.29 V81C

22659 VITASOVIĆ, Z. Ergebnisse dreijahriger sortenversuche mit den holländischen kartoffelsorten. (In Serbo-Croatian.) Biljna Proizvodnja 5:145-153. July/Aug.1952. 64.8 B49
German summary.

22660 VOGT. Die ergebnisse der pflanzkartoffelanerkennung 1952. Hannoversche Land- u. Forstwirt. Ztg. 105:1164-1166. Nov.15,1952. 18 H194

22661 WALDRON, P. German vegetable growers hold the line. Mkt. Growers J. 82:13-15. Jan.1953. 6 M34

22662 WHITE, M. Early Irish potato production practices in southwestern Alabama. Ala. Agr. Expt. Sta. C. 109,18 p. Sept.1952. 100 AL1S

22663 WHITNEY, W., and others. Garden vegetables. Nebr. Agr. Col. Ext. E. C. 1274,12 p. 1952. 275.29 N272Ex
W. Ringler, R. Helm, and J. Weihing, joint authors.

22664 WORK, P. Choice melons for good eating. Horticulture 31:13,22,25. Jan.1953. 80 H787

22665 WORK, P. What's new in vegetables. Seed World 72(2):8,10. Jan.16,1953. 61.8 Se52

22666 ZLATKOVSKY, A. Hybrid of cauliflowers and Brussels sprouts—possible formation of a new vegetable variety (preliminary report). (In Czech.) Cesposlov. Akad. Zemedel. Sborn. 25:387-391. Nov.1952. 19.5 C332C
Comment by O. Konvicka, p. 391-392.

22667 ZLATKOVSKY, A. Malabargourd—a new squash. (In Czech.) Za Socialist. Zeměděl, p.9-11. In Zpravodaj Ustredi Zemedel. Vyzkumn. 2(3). Mar. 1952. 19.5 Z1
Cucurbita ficifolia.

22668 ZLATKOVSKÝ, A. The pre-cultivation of seedlings by different ways and their suitability in speeding vegetables. (In Czech.) Česposlov. Akad. Zeměděl. Sborn. 25:355-362. Ref. Oct.1952. 19.5 C332C
English summary.

22669 ZLATKOVSKY, Z. Autumn planting of vegetables. (In Czech.) Za Socialist. Zeměděl. 2:1183-1187. Oct.1952. 19.5 Z1

22670 ZUBAREV, A. K. Summer planting of potatoes. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7: 79-81. July 1952. 20 D742
In Russian.

WEEDS AND POISONOUS PLANTS

22671 ÅBERG, E. Modern weed control. (In Swedish) Lantbrakad. Tidskr. 91:227-245. Ref. 1952. 104 Sw3
English summary.

22672 ADVISORY COMMITTEE ON HERBICIDES FOR ONTARIO. Chemical weed control. Ontario. Dept. Agr. Ext. C. 75A,14 p-folder. May 1952. 275.29 On8

22673 ALDRICH, R. J., and BAYLOR, J. E. Dinitro for chickweed control in alfalfa. Down to Earth 8(3):10-11. Winter 1952. 381 D75
DNOSBP.

22674 ALLRED, B. W. Influence of shrub invasion on United States range lands. Internatl. Grassland Conf. Abs. Papers 6(C):1. 1952. (Doc.5) 60.19 In86

22675 ALPHEN DE VEER, E. J. VAN, and VINK, A. P. A. Mechanical and chemical lalang [Imperata cylindrica] control. (In Dutch.) Bergcultures 21:468-473,475,477,479,481. Nov.16,1952. 22.5 B45
English summary.

22676 ARMER, W. Larkspur, loco and lupine. Ariz. Cattlelog 7(11):14-16. July 1952. 43.8 Ar42
Poisonous to livestock.

22677 BAIRD, G. T. Weed control with 2,4-D. Utah. State Agr. Col. Ext. Fact Sheet 10,2 p. June 1952. 275.29 Ut1F

22678 BIDSTRUP, P. L. The safe handling of poisonous substances used as weedkillers. Inst. Corn & Agr. Merchants. J. 3:160-163. Autumn 1952. 10 In7

22679 BLOUCH, R. M. The herbicidal control of annual grass weeds. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:67-68. Oct.1952. 500 C717

22680 BÖHME, L. Erfahrungen mit den unkrautbekämpfungsmitteln Hormit, Hormin und UT 10 Leuna. Deut. Landwirt. 3:632-635. Dec.1952. 18 D4822
Russian Zone.

22681 BOHMONT, D. W. Chemical control of poisonous range plants. Wyo. Agr. Expt. Sta. B. 313,20 p. Ref. Apr.1952. 100 W99

22682 BOHMONT, D. W. Herbicidal properties of shale oil fractions. Nebr. U. Abs. Doct. Diss. 13:10-14. 1952. 241.8 N28

22683 BOHMONT, D. W. Shale oil—a new agricultural chemical. Wyo. Agr. Expt. Sta. B. 320,40 p. Ref. Sept.1952. 100 W99
Herbicidal potentialities.

22684 BUCHHOLTZ, K. P. Weed control in pastures and hayfields of the eastern United States. Internatl. Grassland Conf. Abs. Papers 6(B):8. 1952. (Doc.5) 60.19 In86

22685 CARSTENS, M. W. Weed sprays help pea industry in Pacific Northwest. Down to Earth 8(3):4-6. Winter 1952. 381 D75

22686 CASALS, C. R. Guerra al aroma y marabú. Rev. Ganad. [Habana] 13:23-24. Jan.1953. 49 R321
Mimosa sp.

22687 CATTLE, F. P. Weed control in cereals. Inst. Corn & Agr. Merchants. J. 3:170-171. Autumn 1952. 10 In7

22688 CATTLE, F. P. Weed control in linseed and flax. Inst. Corn & Agr. Merchants. J. 3:171-172. Autumn 1952. 10 In7

22689 CHÁVEZ VIAUD, M. Apuntes acerca de las quemas practicadas en agricultura. Vida Rur. [Caracas] 13(17/13,i.e.17/18):23-24. Sept./Oct.1952. 9.95 V66
Weed and brush control.

22690 COSTA RICA. MINISTERIO DE AGRICULTURA E INDUSTRIAS. La marihuana y como descubrirla. Costa Rica. Min. de Agr. e Indus. B. Divulg. 12,7 p. 1952. 280.9 C822

22691 COSTE, A. C. DELLE. Los nuevos "mata-yuyos." Chacra 23(265):24,44. Dec.1952. 9 C34

22692 COULTER, L. L. Weed and brush control by spraying. Purdue U. Engin. Ext. Dept. Ext. Ser. 78:146-150. Apr.14/17,1952. 290.9 P972

22693 CRAFTS, A. S., and REIBER, H. G. Herbicidal uses of oils. Advn. Chem. Ser. 7:70-75. Aug.25,1952. 381 Ad93
Petroleum.

22694 DADD, C. V. Chemical control of weeds in peas and lucerne. Inst. Corn & Agr. Merchants J. 3: 173. Autumn 1952. 10 In7

22695 DADD, C. V. Knowing your wild oats [Avena fatua]. Farmers Wk. [London] 38(4):58-59. Jan.23,1953. 10 F2226

22696 DAWSON, C. P. Premerge controls weeds in Gladiolus. Down to Earth 8(3):9. Winter 1952. 381 D75

22697 DAWSON, R. B. Weed control in turf with special reference to selective weedkillers. Inst. Corn & Agr. Merchants. J. 3:164-165. Autumn 1952. 10 In7

22698 DUTTON, W. C. Industry's contribution to a weed control program. Internatl. Grassland Conf. Abs. Papers 6(B):12. 1952. (Doc.5) 60.19 In86

22699 FRANKLIN, J. J. Another plant [Rhus trichocarpa] to be labeled poisonous. Plants & Gard. 8:271. Autumn 1952. 450 P694

22700 GARDNER, C. A. The wedge-leaved rattlepod (Crotalaria retusa L.) a poison plant of tropical Australia. West. Austral. Dept. Agr. J. (ser.3)1:641,643,645-647. Sept./Oct.1952. 23 W52J

22701 GERMANY (FEDERAL REPUBLIC). MINISTERIUM FUR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Unkrautbekämpfung. Frankfurt am Main, Verlag Kommentator G. M.B. H.,1952. 39 p. 79 G31
Contributions by H. Bremer, B. Rademacher, H. Müller, W. Richter, K. Scheibe, W. Holz, and F. K. Böttcher.

22702 GIBBENS, R. T. Control of Johnson grass on Cinclare Properties. Sugar J. 15(8):30-32. Jan.1953. 65.8 Su391

22703 GLOVER, P. M. The weed problem in plantation crops—weeds in tea. Planters' Chron. 47:535-539. Oct.15,1952. 22 P693
Includes discussion.

22704 GORDON, N., and BEROZA, M. Spectrophotometric determination of small quanittities of 2,4-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid using partition chromatography. Analyt. Chem. 24: 1968-1971. Ref. Dec.1952. 381 J825A

22705 GREENFIELD, I. The moss problem mastered Gard. Chron. 132:232. Dec.13,1952. 80 G162
In turf.

22706 GREENSLADE, R. M. The use of weedkillers. Entomologist 85:281-282. Dec.1952. 421 En8

22707 GREVE. Unkrautbekämpfung mit kalkstickstoff im wintergetreide. Landwirtbl. Weser-Ems 99: 1106-1108. Oct.30,1952. 18 L2345

22708 HAVIS, J. R., DALLYN, S., and SWEET, R. D. Herbicidal properties of petroleum hydrocarbons. Advn. Chem. Ser. 7:76-83. Ref. Aug.25,1952. 381 Ad93

22709 HEDLIN, R. More threats to weeds. Country Guide 72:10,38. Jan.1953. 7 G76
Chemical weed control.

22710 HESMER, H. The control of brush and weeds in woodland by applying Tributon. Höfchen-Briefe 5:1-10. 1952. 464.8 H67

22711 HINKLE, D. A. Herbicides; new tool in cotton growing. What's New Crops & Soils 5(4):12-13. Jan. 1953. 6 W55

22712 HODGSON, J. M. Aromatic solvents control water weeds in irrigation laterals. Idaho. Agr. Col. Ext. C. 123,6 p.-folder. Sept.1952. 275.29 Id13C

22713 HOLMES, G. D. Chemical control of woody weed growth. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:72. 1952. 99.9 G795Re

22714 HOLZ, W. Zur auswertung der unkrautbekämpfungsversuche 1952. Landwirtbl. Weser-Ems 99: 1235-1236. Dec.4,1952. 18 L2345

22715 JESTER, R. A., and DAVIDSON, O. W. Oxalis weed control in osmunda peat. Amer. Orchid Soc. B. 21:857-859. Dec.1952. 80 Am329

22716 JOHNSON, F. S. Report on preliminary investigation on chemical weed control in Venezuela 1951. Down to Earth 8(3):7. Winter 1952. 381 D75

22717 JONG, P. DE. The development of chemical methods of weed control. Planters' Chron. 47:512-514. Oct.1,1952. 22 P693

22718 KENNEY, R., HANSEN, J. R., and FREEMAN, J. F. Giant foxtail [Setaria faberii]. Ky. Agr. Col. Ext. L. 132,8 p.-folder. Apr.1952. 275.29 K415Le

22719 KING, N. C. Chemical weed killers. So. African Sugar J. 36:699. Nov.1952. 65.8 So8

22720 KOBLET, R. Effect of leys on the occurrence of weeds and some soil-borne diseases in subsequent crops. Internatl. Grassland Conf. Abs. Papers 6(I):18. 1952. (Doc.5) 60.19 In86

22721 KOTT, S. A. Conference at the All-Union Lenin Academy of Agricultural Sciences on problems of weed control. Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:82-84. July 1952. 20 D742
In Russian.

22722 KÜHL. Alpenampfer, alpenkreuzkraut, brennessel und eisenhut als unkrautpflanzen der alpe und deren bekämpfung. Auf der Alpe 12:89-93. Dec.1952. 18 Au3
Germany.

22723 LAFKIN, W. E. The theory and practice of crab grass control. Rev. ed. White Plains,N.Y.,1952. 11 p. 79 L13

22724 MAYNE, W. W. Weeds as a problem in crop ecology. Planters' Chron. 47:515-520. Oct.1,1952. 22 P693

22725 MOATI GRANE, J. R. Plantas tóxicas para el ganado. Uruguay. Min. de Ganad. y Agr. B. Inform. 437:4,6. Oct.16,1952. 9.9 G15B

22726 MUEGGLER, W. F. Effects of several chemicals on tall larkspur [Delphinium] and associated tailcup lupine. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Note 4,3 p. June 1952. 1.9622 I2R312

22727 MUENSCHER, W. C. Hibiscus trionum (Flower-of-an-hour). N. Y Agr. Col. Dept. Bot. Bot. L. 41,1 p. Oct.1952. 451 C81B

22728 MUENSCHER, W. C. Pokeweed (Phytolacca americana). N. Y Agr. Col. Dept. Bot. Bot. L. 34,1 p. Oct.1952. 451 C81B

22729 NAUNDORF, G. Lucha contra el arroz rojo con derivados del 2.4-D mediante avionetas de fumigación. Agrotecnia 7:44-50. Sept./Oct.1952. 8 Ag825

22730 NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Chemical control of weeds in potatoes, by O. Smith. Ithaca,1952. 1 p. 275.2 N482Che

22731 ORTIZ GARMENDIA, J. Gramineas de importancia tóxica secundaria. II. Campesino [Santiago] 84(9):33. Sept.1952. 9.3 So12

22732 PARKER, K. W., and MARTIN, S. C. The mesquite problem on southern Arizona ranges. U. S. D. A. C. 908,70 p. Ref. Oct.1952. 1 Ag84C

22733 PENHALLOW, R. A commentary of biological control. Internatl. Grassland Conf. Abs. Papers 6(C): 21. 1952. (Doc.5) 60.19 In86
Weeds.

22734 PETERSEN, H. I. Experiments in weed control in forest tree nurseries. (In Danish.) Dansk Skovfor Tidsskr. 37:475-487. Oct.1952. 99.8 D23
English summary.

22735 PIERPOINT, M. Weeds pop up where crop seeds fear to grow. Assoc. Off. Seed Anal. News Let. 26(4):3-4. Nov.1952. 61.9 As7N

22736 POLETAEF, N. Enquête sur le désherbage sélectif pratiqué en Tunisie pendant la campagne 1950-51. Colon Franç. de Tunisie (ser.7)45(2233):1,3. Mar. 8,1952. 24 C712

22737 POLOZHIĬ, A. V., and ANDRIEVSKAÍA, A. I. Weeds of Asino District, Tomsk Region and measures for controlling them. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:151-156. 1951. 511 T59

22738 REPP, G. Zur kenntnis der selektivwirkungen von 2,4-D-verbindungen. I. Pflanzenschutzberichte 9: 161-181. Ref. Nov.1952. 464.9 P48
English summary.

22739 RICHARDSON, J. M. Weeds of South Australia: saffron thistle (Carthamus lanatus L.). So. Austral. Dept. Agr. J. 56:189,191. Nov.1952. 23 So84

22740 RICHARDSON, J. M. Weeds of South Australia; variegated thistle (Silybum marianum Gaertn). So. Austral. Dept. Agr. J. 56:129-130. Oct.1952. 23 So84

22741 RICHTER, W. Bekämpfung von grünlandunkräutern mit chemischen mitteln. Landwirtbl. Weser-Ems 99:1231-1232. Dec.4,1952. 18 L2345

22742 RIPPER, W. E., and BAKER, C. The relative toxicity of 2:4-dichlorophenoxyacetc acid and 2-methyl-4-chlorophenoxyacetic acid to annual weeds. J. Sci. Food & Agr. 3:561-567. Dec.1952. 382 So12

22743 RIPPERTON, J. C., and HANSON, N. S. Herbicides control woody plants. Hawaii Farm Sci. [Hawaii Sta.] 1(1):4-5. Apr.1952. 100 H314

22744 ROBBINS, W. W., CRAFTS, A. S., and RAYNOR, R. N. Weed control; a textbook and manual. Ed. 2. New York,1952. 503 p. (McGraw-Hill Publications in the Agricultural Sciences) 79 R53W

22745 RUSSELL, E. W. Weed control. Farm Mech. 4:472-475. Dec.1952. 58.8 B772

22746 SCHEPP, W. Was können wir gegen die grünland-unkräuter tun? Landwirtbl. Weser-Ems 99:1229-1231. Dec.4,1952. 18 L2345

22747 SCURTI, J. On the mechanism of action of some selective herbicides. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1683-1704. Ref. 1952. 16 An76
English summary.

22748 SILK, E. E. Mesquite control. Tex. Hereford 2(4):5. Nov.1952. 43.8 T31

22749 SPERRY, O. E. Rayless goldenrod [Aplopappus heterophyllus]—a poisonous range plant in Texas. J. Range Mangt. 6:6-10. Jan.1953. 60.18 J82

22750 STEVENS, O. A. Dodder [Cuscuta] on cultivated plants. N. Dak. Agr. Expt. Sta. Bimon. B. 15:80-81. Nov./Dec.1952. 100 N813B

22751 STOECKELER, J. H. Control of weeds in forest nurseries with mineral spirits. Advn. Chem. Ser. 7:84-90. Ref. Aug.25,1952. 381 Ad93
Petroleum naphthas.

22752 STRYCKERS, J. Chemical weed control in permanent pastures. Internatl. Grassland Conf. Abs. Papers 6(B):29-30. 1952. (Doc.5) 60.19 In86

22753 SWEDEN. STATENS VAXTSKYDDSANSTALT. Klöversnärjan. [The clover dodder [Cuscuta trifolii Bab.]]. Sweden. Stat. Växtskyddsanst. Flygbl. 97,4 p. 1952. 464.9 Sw3

22754 TEMPLEMAN, W. G. Control of grassland weeds with 2-methyl-4-chlorophenoxacetic acid (MCPA or MCP) in Great Britain. Internatl. Grassland Conf. Abs. Papers 6(B):31. 1952. (Doc.5) 60.19 In86

22755 THOMPSON, V. D. Solving the weed problem. Rur. Electrif. 11(4):29,60. Jan.1953. 335.8 N21
Chemical control along right-of-ways.

22756 THORNTON, B. Weed control, a roundup of progress made. Colo. Farm & Home Res. [Colo. Sta.] 3(3):3-5,9-10. Sept./Oct.1952. 100 C712Co

22757 VAN RENSBURG, H. J. Encroachment and control of shrubs in Africa in relation to grassland development. Internatl. Grassland Conf. Abs. Papers 6(C):25-26. 1952. (Doc.5) 60.19 In86
Discussion by V. A. Young, p.41-42.

22758 VRIES, D. M. DE, and ZANDSTRA, K. J. Weeds in the course of the year. (In Dutch.) Levende Nat. 55:184-188. Oct.1952. 410 L57

22759 WARMKE, H. E. Discussion of "assaying toxicity in legumes by chick test." Internatl. Grassland Conf. Abs. Papers 6(L):32-33. 1952. (Doc.5) 60.19 In86
O. C. Zoebisch & M. Rosenberg, authors of original paper.
Test of Indigofera endecaphylla.

22760 WILSON, F. The biological control of weeds in Australia. Internatl. Grassland Conf. Abs. Papers 6(C):39-40. 1952. (Doc.5) 60.19 In86

22761 WOOLFOLK, E. J. Goatweed [Hypericum perforatum] threatens Montana ranges. Mont. Wool Grower 27:16-17. Jan.1953. 45.8 M762

22762 ZENKERT, C. A. Local poisonous plants (exclusive of fungi). Sanctuary News 12(3):3-8. Nov.1952. 410 Sa5
New York.

MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)

22763 ADDISON, G., and TAVARES, R. Hybridization and grafting in species of Theobroma which occur in Amazonia. Evolution 6:380-386. Dec.1952. 443.8 Ev62

22764 AMERICAN TUNG OIL ASSOCIATION. Annual proceedings,1952. Poplarville,Miss,1952. 72 p. 77.9 Am32

22765 BAKER, H. C. Planting and production of raw rubber, latex, gutta-percha and other related products. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 15:6-18. Ref. 1951. 305.9 In7A

22766 BANGHAM, W. N. Plantation rubber outside Asia. Nat. Rubber News, May 1952:S8-S11. 78.8 N21

22767 BARANOV, N. IA. Growing technical plants in Vinitsa Region. (In Russian.) Lesn. Khoz. 5(7):83-84. July 1952. 99.8 L5622
Euonymus europaeus and E. verrucosus.

22768 BECKLEY, V. A. Pyrethrum drying. Pyrethrum Post 3:9-11. July 1952. 421 P99
Chrysanthemum cinerariaefolium.

22769 BLANK, S. DE. A reconnaissance of the American oil palm [Corozo oleifera]. Trop. Agr. [St. Augustine] 29:90-101. Apr./June 1952. 26 T754

22770 BLATTNY, C., and OSVALD, V. Question of accelerated selection of hops. (In Czech.) Ceskoslov. Akad. Zemedel. Sborn. 25:347-348. Oct.1952. 19.5 C332C

22771 BUGAĬ, S. M. Time for planting kok-saghyz. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:68-78. Ref. 1951. 56.9 K52

22772 BURCHARDT, A. Notas referentes a trabajos de cacao en la hacienda "Clementina." Consorcio de Cent. Agr. de Manabi. Rev. 12(71):20-25. July/Sept. 1952. 9.5 M31

22773 CHANDRASEKHARAN, S. N. A little known spice plant Zanthoxylum rhetsa, DC. Madras Agr. J. 39: 563-564. Nov.1952. 22 M262

22774 CHEVALIER, A. Les mesures à prendre pour réagir contre la décadence de la culture du poivrier en Indochine (au Cambodge et dans la Cochinchine austro-occidentale). Acad. des Sci. Compt. Rend. 235:993-995. Nov.3,1952. 505 P21

22775 COELHO DE SOUZA, W. W. El cultivo del café en el Brasil. Hacienda 48:60,62. Jan.1953. 6 H11

22776 CRAMER, P. J. S. Clonal seedlings. Rubber Res. Inst. Ceylon. Q. C. 27(3/4):16-35. Ref. June 1952. 78.9 C33Q

22777 DANIEL, J. S. How to plant coffee. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(6):72-73. June 1952. 9.2 M663

22778 DARK, S. O. S. Variability in Canadian wild hops. Wye Col. Dept. Hop Res. Annu. Rpt. 1951:69-71. 1952. 70.9 W972

22779 DARMER, G. Der sanddorn als wild- und kulturpflanze; eine einführung in die lebenserscheinungen des sanddornstrauches und eine anleitung zum erweiterten anbau. Leipzig,Hirzel,1952. 89 p. 452.35 D25
Hippophae rhamnoides.

22780 DASTUR, J. F. Useful plants of India and Pakistan; a popular handbook of trees and plants of industrial, economic and commercial utility. Bombay, Taraporevala,1951? 260 p. 452.8 D26

22781 DE SILVA, C. A. Yields of budded rubber and clonal seedlings in commercial tapping. Rubber Res. Inst. Ceylon. Q. C. 27(3/4):6-11. June 1952. 78.9 C33Q

22782 DOBISLAW, E. Allgemeine drogenkunde. II. Destill.-Lehrling 2:77-80. Oct.1952. 390.8 D47
Includes harvesting of the plants.

22783 DUISBERG, P. C. Desert plant utilization. Tex. J. Sci. 4:269-283. Sept.30,1952. 470 T31

22784 FAUCONNIER. La culture des plantes à parfum dans la region de Grasse et leurs possibilites d'introduction au Kivu. B. de Doc. et de Tech. Agr. 6 (19):41-66. (Concl.) Ref. First Q.1952. 24 B873

22785 FERNANDEZ DE LARA, G. A. Plantas para los desiertos. Tierra [México] 7:676-677,711-715. Oct. 1952. 8 T445

22786 GAZENBUSH, V. L. Pepper varieties - Capsicum Tournef. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:60-70. Ref. 1951. 451 R92

22787 GLENN, A. H., and others. Frost prevention for Gulf Coast tung orchards. Amer. Tung Oil Assoc. Proc. 19:64-68. 1952. 77.9 Am32

22788 GOERL, G. F. Hops—a correlation between the grower and the brewer. (Condensed.) Amer. Brewer 85(12):48,50-51. Dec.1952. 390.8 Am3

22789 GORRIE, R. M., and WORTHINGTON, T. B. The indentification of Australian wattles (Acacias) introduced into Ceylon. Ceylon. Tea Res. Inst. Tea Q. 23:73-75. Sept.1952. 68.18 C33

22790 HEINEL, H. Goldrute (Solidágo çanadénsis), eine gute bienenweidepflanze ihre vermehrung, anzucht und pflege. Deut. Bienenztg. 7:172-173. Nov.1,1952. 424.8 D488

22791 HERBETTE, F. Le problème de la modernisation des petites plantations asiatiques. Rev. Gén. du Caoutchouc 29:787-789. Nov.1952. 305.8 R32

22792 HERNAEZ, A. The root crops in the Philippines with special reference to cassava and camote. Agr. & Indus. Life 14(10):4-5,45-47. Oct.1952. 25 Ag8

22793 HERSEY, J. Herbs; grow your own magic. Flower Grower 40(2):72,86. Feb.1953. 80 M72

22794 INDIAN COFFEE BOARD. RESEARCH DEPT. Fourth annual report (1950-51). Indian Coffee Bd. Res. Dept. B. 4,49 p. 1952. 68.29 In24B

22795 JAGOE, R. B. "Deli" oil palms and early introductions of Elaeis guineensis to Malaya. Malayan Agr. J. 35:3-11. Jan.1952. 22.5 P312

22796 JAGOE, R. B. The "dumpy" oil palm. Malayan Agr. J. 35:12-21. Jan.1952. 22.5 P312

22797 JAUBERT, P. Étude de la production de la gomme de l'Acacia verex. Bambey Cent. de Rech. Agron. B. 5:6-20. 1952. 24 B21

22798 JAYAWEERA, D. M. A. Drug plants (indigenous and exotic) that can be grown in Ceylon. II. Trop. Agr. [Peradeniya] 108:109-115. Ref. Apr./June 1952. 26 T751

22799 KARTASHOVA, N. N., and DEMBSKAĬA, I. B. Honey plant flora of Asino District and its utilization. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:157-164. 1951. 511 T59

22800 KAZACHKOVA, T. A. Cultivation of medicinal plants under conditions of the City of Tomsk. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:169-176. Ref. 1951. 511 T59

22801 KHAN, K. F., and KRISHNASWAMY, A. R. A note on the propagation of the tree-tomato (Cyphomandra betacea Sendt.) by stem cuttings. Indian J. Hort. 9(3):49. Sept.1952. 80 In2

22802 KHAN, K. F., and RAO, I. K. S. A note on the vegetative propagation of the durian, (Durio zibethinus L.) by inarching. Indian J. Hort. 9(3):50. Sept.1952. 80 In2

22803 KONOVALOV, M. T. Influence of planting methods and of amount of kok-saghyz planted upon the number of roots and their rubber content. (In Russian) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:79-91. 1951. 56.9 K52

22804 KOPEL'KIEVSKIĬ, G. V. Timely harvesting and storing of honey plant seeds. (In Russian.) Pchelovodstvo 29(8):43-45. Aug.1952. 424.8 P295

22805 KOTISHEVSKIĬ, I. A. Advancement of the tea plant into new districts. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1: 73-82. 1951. 106 Um1
Effect of climate chiefly.

22806 LITOVCHENKO, A. G. Cultivation of water chestnut [Trapa natans] in reservoirs. (In Russian.) Les i Step' 4(8):89. Aug.1952. 99.8 L565

22807 NOROÑA G., G. Algunos aspectos de la explotación cacaotera en el Ecuador. Consorcio de Cent. Agr. de Manabi. Rev. 12(71):26-27,29-35,37. July/Sept. 1952. 9.5 M31

22808 OORT, A. J. P. From ergotism to ergot cultivation. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:743-757. Ref. Aug./Sept.1952. 86 N384
English summary.

22809 OSSADCHA-JANATA, N. Herbs—in Ukrainian folk medicine. II. Gard. J. 3:19-21. Jan./Feb.1953. 80 G1635

22810 PEKSHIBAEV, M. I. Productivity [of root bark] of Euonymus europaeus in natural thickets. (In Russian.) Lesn. Khoz. 5(6):75-77. June 1952. 99.8 L5622

22811 PERALES, P. La zona manglera oriental de Venezuela. Venezuela. Min. de Fomento. Rev. de Fomento 14(76):179-226. Apr./June 1952. 280.8 V552

22812 PIERIS, W. I. The work of the Smallholdings Department, Rubber Research Institute. Rubber Res. Inst. Ceylon. Q. C. 27(3/4):12-15. June 1952. 78.9 C33Q

22813 PILLAI, V. G. Preliminary studies on raising cardamom [Elettaria cardamomum] nurseries successfully. Madras Agr. J. 39:513-518. Oct.1952. 22 M262

22814 PORTER, C. L. The history of Mentha piperita and its economic importance in Indiana. Ind. Acad. Sci. Proc. 61:264-268. Ref. 1951,pub.1952. 500 In2

22815 POTTER, G. F., and CRANE, H. L. What caused low oil content in the 1951 crop of tung fruit? Amer. Tung Oil Assoc. Proc. 19:30-40. 1952. 77.9 Am32

22816 QUIMPO, T., and SANTOS, T. Problems in the Cinchona plantation and their possible solutions. (Abs.) Philippine J. Forestry 7:157-158. First/Fourth Q.1950, pub.1952. 99.8 P53

22817 RAO, P. H. Iron wood of Malabar as tanning material. Sci. & Cult. 18:243. Nov.1952. 475 Sci24
Xylia?

22818 ROUSSY, L. L'Erémure blanc de Sibérie. Gaz. Apic. 53:358. Dec.1952. 424.8 G25

22819 RUBBER RESEARCH INSTITUTE OF MALAYA. Choice of clones and clonal seedlings: planting recommendations for 1952-53. Rubber Res. Inst. Malaya C. 37,6 p. Aug.1952. 78.9 R824C

22820 RUSSELL, T. A. The vigour of some cacao hybrids. Trop. Agr. [St. Augustine] 29:102-106. Apr./June 1952. 26 T754

22821 SAMUEL, E. Tea planting in New Guinea. New Commonwealth 24:578-579. Dec.8,1952. 280.8 C88
Culture.

22822 SAVCHENKO, A. M., and others. New honey plants. (In Russian.) Pchelovodstvo 29(10):27-35. Oct. 1952. 424.8 P295
M. A. Iurtsovskiĭ, V. D. Lavok, I. V. Dragina, and A. N. Levshin, joint authors.

22823 SHIMOMURA, T. Microscopical anatomy of powdered vegetable drugs in the Japanese Pharmacopoeia 1. (In Japanese.) J. Jap. Bot. 27:261-263. Sept.1952. 450 J8223
English summary.
Platycodon.

22824 SWAMINATHAN, M., and MATHUR, P. B. "Singhara" (Trapa bispinosa) as a partial substitute for cereal. Indian Farming (n.s.)2(8):20-21. Nov.1952. 22 In283

22825 THIRION, F. Vingt années d'amélioration de la culture du caféier Robusta à Yangambi. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 1: 321-356. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4). Dec.1952. 24 K83

22826 TOXOPEUS, H. J. Studies in the breeding of Derris elliptica and Derris malaccensis. II. Euphytica 1:175-183. Oct.1952. 450 Eu6

22827 UNCHIEV, N. D. Wild groundcherries [Physalis alkekengi] of the Caucasus and local methods for their use. (In Russian.) Vsesoiuzn. Soveshchanie Bot. i Selekerov. Mater. 1:159-168. 190,pub.1951. 451 V963

22828 UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA. SCIENTIFIC DEPT. TEA SECT. Annual administration report for 1951-1952. Madras, 1952. 31 p. 68.19 Un3

22829 VANDERWEYEN, R. Notions de culture de l'Elaeis au Congo belge. Bruxelles,Direction de l'Agriculture, des Forêts, des Elevages et de la Colonisation, 1952. 292 p. 77 V28

22830 VANDERWEYEN, R. La prospection des palmeraies congolaises et ses premiers résultats. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 1:357-382. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4). Dec.1952. 24 K83

22831 VEGA, F. DE LA. Philippine food plants. Plowman 9:9. (Cont.) July/Aug.1952. 276.8 P72

22832 VOLLEMA, J. S. Early selection of Hevea. (In Dutch.) Arch. v. de Rubbercult. 29:31-63. Ref. Oct.1952. 78.8 Ar2
English summary.
Indonesia.

22833 WALTER, T. E. A survey of some low-country problems. Ceylon. Tea Res. Inst. Tea Q. 23:60-66. Sept. 1952. 68.18 C33
Ceylon.

22834 WARD, F. K. In search of tea. Tea Trade & Indus. 1:469-471,477. Sept.1952. 68.18 T225

22835 WILLIAMS, E. S. Plants as food in the South Pacific. Gard. J. 3:15-17,21. Jan./Feb.1953. 80 G1635

22836 WINTERS, H. F. Propagación del quino. Hacienda 48:50-52,67. Jan.1953. 6 H11

22837 WYE COLLEGE. DEPT. OF HOP RESEARCH. Annual Report, 1951. Ashford,1952. 79 p. 70.9 W972

22838 YEPES, E. La curuba. Agr. Trop. 8(10):31-32. Oct.1952. 26 Ag8
Passiflora spp.

22839 YOUNG, H. E. Notes on the introduction of Hevea to Ceylon. Rubber Res. Inst. Ceylon. Q. C. 27(3/4):3-6. June 1952. 78.9 C33Q

SOILS AND FERTILIZERS

SOIL SCIENCE

22840 BRYSSINE, G. Note sur le IVme Congrès International de la Science du Sol. Soc. des Sci. Nat. du Maroc. Sect. de Pédol. Trav. 2/3:27-47. 1951,pub.1952. 56.9 So36

22841 DIMBLEBY, G. W. Pleistocene ice wedges in north-east Yorkshire. J. Soil Sci. 3:1-19. Ref. Jan. 1952. 56.8 J823

22842 HOHMAN, D., and HASS, H. Land judging—a cooperative endeavor. Agr. Educ. Mag. 25:155. Jan.1953. 275.8 Ag8
Soil judging by vocational agricultural students.

22843 JOFFE, J. S. Russian contribution to soil science. In American Association for the Advancement of Science. Soviet science, p.57-69. Washington,1952. 330 Am34

22844 LEEPER, G. W. Introduction to soil science. Ed. 2, rev. Victoria,Melbourne U. Press,1952. 222 p. 56 L512

22845 RUSSELL, E. W. Some problems in tropical soil science. Empire Cotton Growing Rev. 30:4-14. Jan.1953. 72.8 Em7

22846 SCHEFFER, F., and SCHACHTSCHABEL, P. Bodenkunde. Ed. 3, rev. and enl. Stuttgart,Enke,1952. 239 p. (Lehrbuch der Agrikulturchemie und Bodenkunde, v. 1) 395 Sch2

22847 TINSLEY, J. Soil science & plant nutrition. Chem. Age 68:63-69. Ref. Jan.10,1953. 382 C427

22848 VERNANDER, N. B. Soils of river valleys in the south western part of the Ukraine. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:5-14. 1951. 56.9 K52

22849 WRIGHT, T. W. Influence of tree growth on soil profile development. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:126-127. 1952. 99.9 G795Re

22850 ZIMMER, H. Die auswirkungen einer uberführung einiger forstwirtschaftlich genutzter basalt- und lössverwitterungsböden in ackerland, festgestellt an der sorptionsfähigkeit. Giessen,1951. 4 p. 56 Z6
Summary of Diss. - Giessen.

Soil Physics

22851 ASTAPOV, S. V., and KUSHNAREV, D. M. In regard to evaluating the filtrating and some other physical properties of grounds in [irrigation] canals dug up by explosion. (In Russian.) Gidrotekh. i Melior. 4(9):37-47. Sept.1952. 290.8 G362

22852 BAIER, W. Elektrische methoden zur messung der bodenfeuchte. Deut. Wetterdienst in der US-Zone. Ber. 32:18-22. Ref. 1952. 345 G313
Includes discussion.

22853 BAIER, W. Ergebnisse von bodenfeuchteuntersuchungen in Stuttgart-Hohenheim. Bad Kissingen, 1952. 35 p. (Germany (Territory under Allied Occupation, 1945- U. S. Zone) Germany Meteorological Service. Berichte 37) 56 B142

22854 BALASUBRAMANIAM, C., and JAYARAMAN, M. V. Review of literature on rainfall as fertilizer. Madras Agr. J. 39:519-520. Oct.1952. 22 M262

22855 BAUMANN, H. Die bodenfeuchtebestimmungen und ihre auswertung für die landwirtschaft. Deut. Wetterdienst in der US-Zone. Ber. 32:4-8. 1952. 345 G313
Includes discussion.

22856 BOICHENKO, P. O. Recalculation of the granulometric composition of soils and earth into different ranges of hydraulic thickness of the particles. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:265-275. Ref. 1951. 511 M854

22857 BONNET, J. A., and LUGO-LOPEZ, M. A. The rate of infiltration of lateritic soils. P. R. U. J. Agr. 36:161-166. Ref. Apr.1952. 8 P832J

22858 BRYSSINE, G. Contribution à l'étude des propriétés physiques des sols. Soc. des Sci. du Maroc. Sect. de Pédol. Trav. 2/3:49-74. 1951,pub.1952. 56.9 So36

22859 BUSINGER, J. A. The cause of ground frost. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:797-798. Oct.1952. 86 N384
English summary.

22860 CHILDS, E. C. The measurement of the hydraulic permeability of saturated soil in situ. I. Roy. Soc. London. Proc. Ser. A, Math. & Phys. Sci. 215:525-535. Dec.22,1952. 501 L84A

22861 CROMPTON, E. Some morphological features associated with poor soil drainage. J. Soil Sci. 3:277-289. Ref. July 1952. 56.8 J823

22862 DICKINSON, C. E. Studies of physical and chemical factors as affecting soils of nursery crops. Ohio State U. Abs. Doct. Diss. 63:43-45. 1952. 241.8 Oh3

22863 DMITRENKO, P. A., and GURTOVENKO, O. G. Elimination of color from liquid extractions from Solonetz soils. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:216-223. Ref. 1951. 56.9 K52

22864 DUCHAUFOUR, P. La dégradation des sols forestiers en Cote d'Ivoire. Rev. Forest. Franç. 12:789-797. Dec.1952. 99.8 R329

22865 ELLENBERG, H. Beurteilung der bodenfeuchte mit hilfe von pflanzengesellschaften. (Sum.) Deut. Wetterdienst in der US-Zone. Ber. 32:13. 1952. 345 G313
Includes discussion.

22866 ERIKSSON, E. Heat movement in the soil. (In Swedish.) Lantmannen 35:933-934. Dec.15,1951. 11 L234
Permeability.

22867 ERIKSSON, E. The physico-chemical behaviour of nutrients in soils. J. Soil Sci. 3:238-250. Ref. July 1952. 56.8 J823

22868 FAVRE, C. Un nouveau modèle de sonde pour l'étude pédologique des profils de terrain. Landwirt. Jahrb. der Schweiz 66:1045-1046. 1952. 17 L23

22869 FRIEDRICH, W. Die bedeutung der bodenfeuchte für die gewässerkunde und wasserwirtschaft. Deut. Wetterdienst in der US-Zone. Ber. 32:13-15. 1952. 345 G313
Includes discussion.

22870 GASPART, E. L'influence des matieres organiques sur l'aération et la structure du sol. Sillon Belge 22(531):8. (Cont.) Oct.25,1952. 13 Si3

22871 GEIGER, R. Bericht über ein von G. Hofmann entwickeltes gerät zur registrierung der bodenluftfeuchtigkeit. Deut. Wetterdienst in der US-Zone. Ber. 32:24-27. 1952. 345 G313
Includes discussion.

22872 GRILLOT, G., and BRYSSINE, G. Nouvelle contribution à l'étude de l'humidité des sols marocains. Soc. des Sci. Nat. du Maroc. Sect. de Pédol. Trav. 2/3:15-26. 1951,pub.1952. 56.9 So36

22873 HAGIN, J. Influence of soil aggregation on plant growth. Soil Sci. 74:471-478. Ref. Dec.1952. 56.8 So3

22874 HEINONEN, R. Maan rakenteesta. On the structure of the soil. Finland. Maatalouskoelaitoksen Maatutkimusosasto. Agrogeol. Julkaisu. 57,32 p. Ref. 1951. 56.9 F49
English summary.

22875 ĺÀŤŠĺŮK, P. A. Question of processing soils rich in carbon for granulometric analysis. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:276-287. Ref. 1951. 511 M854

22876 IVANOV, P. V. Accumulation of moisture in soil of vineyards. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):32-37. June 1952. 95.8 V77

22877 JAMINET, R. Contribution à l'appréciation de la permèabilité des sols à l'aide de l'appareil de Muntz. Soc. des Sci. Nat. du Maroc. Sect. de Pédol. Trav.2/3:75-84. 1951,pub.1952. 56.9 So36

22878 KAUFMANN, S. Considerations on krilium. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:910-912. Oct.1952. 68.29 Sa63

22879 KOEPF, H. Bodenklima und bodenatmung. Deut. Wetterdienst in der US-Zone. Ber. 32:34-37. 1952. 345 G313
Includes discussion.

22880 LECOMPTE, S. B., JR. An instrument for measuring soil moisture. N. J. State Hort. Soc. Hort. News 33:2563,2568,2572. Nov.1952. 81 N46

22881 LUGO-LÓPEZ, M. A. Available water capacity of the surface layer of various soils from the arid and semiarid region of Puerto Rico. P. R. U. J. Agr. 36:134-140. Apr.1952. 8 P832J

22882 LUGO-LÓPEZ, M. A. Comparative value of various methods of approximating the permanent wilting percentage. P. R. U. J. Agr. 36:122-133. Apr.1952. 8 P832J

22883 LUGO-LÓPEZ, M. A., ABRUÑA, F., and ROLDÁN, J. Evaluation of the lime requirement of tropical soils in terms of other soil characteristics. P. R. U. J. Agr. 36:155-160. Apr.1952. 8 P832J

22884 MAINFORT, R. C. A summary report on soil stabilization by the use of chemical admixtures. Washington,1951. 57 p. (U. S. Civil Aeronautics Administration. Technical Development Report 136) 173 C49Su

22885 MANDEL, J. Sur le tassement d'une couche d'argile sous l'effet d'une force concentrée. Acad. des Sci. Compt. Rend. 235:1104-1106. Nov.10,1952. 505 P21

22886 MAŘAN, B., and LHOTA, O. Influence of aeration upon soil moisture and upon the growth of seedlings. (In Czech.) Za Socialist. Zeměděl. 2:1187-1195. Oct.1952. 19.5 Z1

22887 MARTIN, W. P., and VOLK, G. W. Soil conditioners and fertilizers. Natl. Fert. Rev. 27:11-13. Oct./Dec.1952. 57.8 F414

22888 MONTASIR, A. H., and SIDRAK, G. H. Aeration of soil in relation to root growth of Zygophyllum coccineum L. Inst. Fouad Ier du Désert. B. 2:59-63. Ref. Jan.1952. 515 In7

22889 MONTASIR, A.H., and SIDRAK, G. H. Effect of soil density on the root growth of Zygophyllum coccineum L. Inst. Fouad Ier du Désert. B. 2:64-67. Jan. 1952. 515 In7

22890 OKHOTIN, V. V. Shifting of vapor-like water in soils during the fall-winter season. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:257-264. 1951. 511 M854

22891 O'NEAL, A. M., and KLINGEBIEL, A. A. Your soil, crumbly or cloddy? U. S. D. A. L. 328,8 p. Aug.1952. 1 Ag84L

22892 OSBORN, B. Range soil conditions influence water intake. J. Soil & Water Conserv. 7:128-132. July 1952. 56.8 J822

22893 PAVEL, L. Study of the method of Academician Gedroitse to determine the stability of soil microaggregates. (In Czech.) Česposlov. Akad. Zemědél. Sborn. 25:381-385. Nov.1952. 19.5 C332C
Comment by S. Najmr, p. 385-386.

22894 PAYNE, P. C. J., and FOUNTAINE, E. R. A field method of measuring the shear strength of soils. J. Soil Sci. 3:136-144. Jan.1952. 56.8 J823

22895 PERSON, H. Uber elektrische messungen der bodenfeuchte. Deut. Wetterdienst in der US-Zone. Ber. 32:22-24. 1952. 345 G313
Includes discussion.

22896 QUASTEL, J. H. 'Krilium' and synthetic soil conditioners. Nature [London] 171:7-10. Ref. Jan.3,1953. 472 N21

22897 RENNIE, P. J. Research into the physical and chemical properties of forest soils. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:129-130. 1952. 99.9 G795Re

22898 RICCITELLI, J. A. La resistencia del suelo y su significación en la profundidad de labor. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(55):22-28. July 1952. 9 Id3

22899 SEN, B. R., and LAL, M. The pF value of liquid limit of soils. J. Sci. & Indus. Res. 11B:451-452. Oct.1952. 475 J82

22900 SORTEBERG, A. Krilium. (In Norwegian.) Gartneryrket 42:767,772. Nov.1,1952. 80 G1938

22901 SPOELSTRA, P. A. The technique of the control of ground frost in California. Netherlands. Dir. van de Tuinbouw. Meded. 15:798-800. Oct.1952. 86 N384
English summary.

22902 STEINMANN, F. Synthetische bodenverbesserungsmittel; amerikanische literatur über versuche mit "Krilium." Deut. Landwirt. Gesell. Mitt. 67:943-944. Dec.11,1952. 18 N39

22903 STOCKER, O., and KAUSCH, W. Bodenfeuchte und tensiometermessung. Deut. Wetterdienst in der US-Zone. Ber. 32:15-18. Ref. 1952. 345 G313
Includes discussion.

22904 SWANSON, C. L. W. Soil conditioners awaken new interest in soils. Frontiers Plant Sci. 5:4-5. Nov. 952. 100 F92

22905 TALIBUDEEN, O. The technique of differential thermal analysis (DTA). J. Soil Sci. 3:251-260. July 1952. 56.8 J823

22906 TEIPEL, R. Das ausmass der strukturschäden auf verschiedenen böden Thüringens, untersucht an 140 profilen. Deut. Landwirt. 3:650-653. (Concl.) Ref. Dec.1952. 18 D4822

22907 TIEDEMANN, B. Uber bodenuntersuchungen bei entwurf und ausführung von ingenieurbauten. Ed. 4, rev. Berlin,Ernst,1952. 72 p. 290 T442

22908 TOLNER, J. Soil fertility and krilium. V. (In Dutch.) Nieuwe Veldbode 19:84. Oct.30,1952. 12 V542N

22909 VASIL'EV, I. S. In regard to methods of determining the amount of moisture absorption by the forest stand. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):42-52. 511 M85

Soil Chemistry and Mineralogy

22910 AUDUS, L. J. Fate of sodium 2,4-dichlorophenoxy-ethyl-sulphate in the soil. Nature [London] 170:886-887. Nov.22,1952. 472 N21

22911 BIRRELL, K. S., and FIELDES, M. Allophane in volcanic ash soils. J. Soil Sci. 3:156-166. Ref. July 1952. 56.8 J823

22912 BISWAS, T. D. Trace elements in soils and plants. Sci. & Cult. 18:173-178. Ref. Oct.1952. 475 Sc124

22913 BLOOMFIELD, C. The distribution of iron and aluminium oxides in gley soils. J. Soil Sci. 3:167-171. Ref. July 1952. 56.8 J823

22914 BROADBENT, F. E., and BRADFORD, G. R. Cation-exchange groupings in the soil organic fraction. Soil Sci. 74:447-457. Ref. Dec.1952. 56.8 So3

22915 BRYSSINE, G. Note sur la coloration des sols. Soc. des Sci. Nat. du Maroc. Sect. de Pédol. Trav. 2/3: 85-96. 1951,pub.1952. 56.9 So36

22916 BUSHNELL, T. M. Soil conditions after 60 years in a Purdue pasture lot. Ind. Acad. Sci. Proc. 61: 180-183. 1951,pub.1952. 500 In2

22917 CHENG, K. Base sorption and release in soils and their determination. Urbana,1951. 5 p. Ref. 56.4 C42
Abstract of thesis - University of Illinois.

22918 COLLINS, R. Just like your doctor's prescription. Mo. Farmer 44(12):3,19. Dec.1952. 6 M696
Soil tests.

22919 CONNECTICUT. (STATE) AGRICULTURAL EXPERIMENT STATION. Soil testing, a tool for improved soil management, by C. L. W. Swanson. New Haven,1951? 5 p. 56.4 C76

22920 CORNFIELD, A. H., and POLLARD, A. G. Potassium fixation in soils: studies by electrodialysis. J. Sci. Food & Agr. 3:567-569. Dec.1952. 382 So12

22921 CORNFIELD, A. H., and POLLARD, A. G. The relative rates of release of potassium, calcium, and magnesium from soils during electrodialysis. J. Sci. Food & Agr. 3:613-615. Dec.1952. 382 So12

22922 COULTER, J. K. "Gelam" soils, a study of their sulphur content. Malayan Agr. J. 35:22-35. Ref. Jan.1952. 22.5 P312

22923 DOLGOV, S. I., and MARKOVSKIĬ, V. N. Rapid method for determining salinity of soils and ground waters. (In Russian.) Lesn. Khoz. 5(9):85-87. Sept.1952. 99.8 L5622
Electric equipment.

22924 ENDE, J. VAN DEN. The significance of chemical soil analysis carried out at Naaldwijk for the fertilizing and manuring of crops under glass. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:651-673. Ref. Aug./Sept.1952. 86 N384
English summary.

22925 FITTS, J. W. North Carolina's soil testing service. N. C. Dept. Agr. B. 128:26. Oct.1952. 2 N81B

22926 GASENE, J. La cal en el suelo. Agr. Austral 20:261-262. July/Aug.1952. 9.3 Ag842

22927 GOLÎAKOV, N. M. Effect of flood irrigation on salt composition of peat and marshy Solonchak soils in Baraba [Lowland]. (In Russian.) Gidrotekh. i Melior. 4(9):59-68. Sept.1952. 290.8 G362

22928 GREENE-KELLY, R. A test for montmorillonite. Nature [London] 170:1130-1131. Dec.27,1952. 472 N21

22929 GUTIERREZ RIOS, E., and LOPEZ GONZALES J. DE D. Acción de los acidos fuertes sobre los silicatos de la serie isomorfa montmorillonita-beidellita. II-III. An. de Edafología y Fisiol. Veg. 11:527-551. Ref. Sept./Oct.1952. 506 Sp12
English summary.

22930 HAMDI, H., and NAGA, M. A study of the clay fraction of Egyptian soils. Experientia 8:459-460. Dec. 15,1952. 475 Ex7

22931 HAMY, A., and LEROY, G. Sur l'extraction de l'humus par les solutions salines. Acad. d'Agr. de France. Compt. Rend. 39:553-554. Oct.8/15,1952. 14 P215Bc

22932 HANSEN, V. A. Soil tests. (In Danish.) Gart.-Tid. 68:455-456. Nov.24,1952. 80 G192
Comments, by L. Hansen

22933 HARVEY, H. G. Testing African violet soils. African Violet Mag. 6(2):14-15,45-47. Dec.1952. 80 Af8

22934 HOLOWAYCHUK, N. Clay mineral studies of soils of the Miami, Hermon, and Worthington catenas. Ohio. State U. Abs. Doct. Diss. 63:119-125. 1952. 241.8 Oh3

22935 IVERSEN, K. Leaching of plant nutrients. (In Swedish.) Växt-Närings-Nytt 8(7):14-16. 1952. 57.8 V47

22936 JEWITT, T. N. The distribution of organic matter in depth in some tropical seasonally flooded soils. J. Soil Sci. 3:63-67. Jan.1952. 56.8 J823

22937 KAILA, A., and KIVINEN, P. Observations on the effect of organic material upon aggregation and nitrate-nitrogen content of soil. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:127-134. 1952. 20 Su7M

22938 KARLSSON, N. Potassium in soils. (In Swedish.) Lantbrakad. Tidskr. 91:297-329. Ref. 1952. 104 Sw3
English summary.

22939 KOHNELEIN, J. Wenden wir die bodenuntersuchung auf phosphorsäure und kali richtig an? Deut. Landwirt. Gesell. Mitt. 67:922-923. Dec.4,1952. 18 N39
Comment by F. Nieschlag, p. 923-924.

22940 LEHR, J. J., and WESEMAEL, J. C. VAN. The influence of neutral salts on the solubility of soil phosphate, with special reference to the effect of the nitrates of sodium and calcium. J. Soil Sci. 3:125-135. Jan.1952. 56.8 J823

22941 MITRA, R. P., and RAJAGOPALAN, K. S. The electrochemical character of the clay mineral illite and its relation to that of muscovite. J. Soil Sci. 3:34-40. Jan.1952. 56.8 J823

22942 NAIDENOVA, O. A. Question of the nature of humins of soil humus. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:69-85. Ref. 1951. 511 M854

22943 NECKERS, J. W., and WALKER, C. R. Field test for active sulfides in soil. Soil Sci. 74:467-470. Dec.1952. 56.8 So3

22944 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Have your soil tested; know what it needs. Okla. Agr. Col. Ext. C. 579, 8 p.-folder. n.d. 275.29 Ok41C

22945 PEARSALL, W. H. The pH of natural soils and its ecological significance. J. Soil Sci. 3:41-51. Ref. Jan.1952. 56.8 J823

22946 PERKINS, A. T. Determination of cation-exchange capacity of soils by use of "versenate." Soil Sci. 74:443-446. Ref. Dec.1952. 56.8 So3

22947 PETERBURGSKIĬ, A. V. Praktikum po agrokhimii [Handbook on agricultural chemistry]. Ed. 2, rev. and enl. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 438 p. (Uchebniki i Uchebnye Posobiîa dlîa Vysshikh Sel'skokhozîaĭstvennykh Uchebnykh Zavedeniĭ) 395 P443
Analysis of soils, plants and fertilizers.

22948 PONNAMPERUMA, F. M. The potash status of Ceylon soils. Trop. Agr. [Peradeniya] 108:94-101. Ref. Apr./June 1952. 26 T751

22949 RAINERI, C. Productivity and lack of minor elements in soils. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(104):8-9. Dec.12,1952. 281.8 Ag3

22950 RAYCHAUDHURI, S. P., and SUBBAIAH, B. V. Soils and fertilisers. Annu. Rev. Biochem. & Allied Res. India 22:1-17. Ref. 1951,pub.Sept.1952. 385 So13

22951 ROBINSON, J. B. D. A comparative study of some soil nutrients in the coralline sugar-cane soils of Barbados. J. Soil Sci. 3:182-189. Ref. July 1952. 56.8 J823

22952 RYDALEVSKAIÂ, M. D., and SKOROKHOD, A. V. Chemical nature of humic acids extracted from soil by different methods. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:18-29. Ref. 1951. 511 M854

22953 SALONEN, M. On the use of exchangeable hydrogen and the sum of exchangeable bases at determining the lime requirement of soil. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:135-144. 1952. 20 Su7M
English summary.

22954 SIMAKOV, V. N. Question of organic matter absorption by soil. II. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:86-117. Ref. 1951. 511 M854

22955 SMIRNOFF, W. Méthode coloroscopique d'appréciation de la teneur en matières organiques d'un sol par l'emploi de l'acide sulfurique concentré. Soc. des Sci. Nat. du Maroc. Sect. de Pédol. Trav. 2/3:97-105. 1951,pub.1952. 56.9 So36

22956 SORTEBERG, A. Soil and plant analysis, especially as a guide for fertilizing. (In Norwegian.) Norsk Landbr. 18:464-466. Dec.12,1952. 11 N8122

22957 SPENCER, E. L., and BECKENBACH, J. R. The value of soil testing kits in vegetable crop production Fla. Agr. Expt. Sta. C. S-48,11 p. Apr.1952. 100 F66C1

22958 STRUYS, L. C. Observations on the potash economy of sand dune soils. (In Dutch.) Weekbl. v. Bloembollencult. 63:158-159. Nov.7,1952. 80 W412

22959 TIŪRIN, I. V. Successful study in the sphere of organic matter of soils in the USSR. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:5-17. Ref. 1951. 511 M854

22960 TROJANOWSKI, J. Zastosowanie chromatografii do rozdzielania substancji próchnicznych. The use of chromatography for the separation of humic substances. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. C. 6:297-338. Ref. Mar.3,1952. 512 L96Ac
English summary.

22961 WALKER, T. W. The estimation of the lime requirements of soils. J. Soil Sci. 3:261-276. Ref. July 1952. 56.8 J823

22962 WEHUNT, R. L., PURVIS, E. R., and CHRIST, E. G. Potassium status in New Jersey apple orchards. N. J. State Hort. Soc. Hort. News 33:2559-2560,2572. Nov.1952. 81 N46

22963 WIJDEN, L. V. D. Soil analysis and fertilizing in fruit culture. (In Dutch.) Groenten en Fruit 8:400-401. Dec.11,1952. 80 G89

22964 WINSOR, H. W. Penetration and loss of heavy applications of borax in Florida mineral soils. Soil Sci. 74:459-466. Ref. Dec.1952. 56.8 So3

Soil Biology

22965 BADELL, C. E. La acción del azotobacter es fundamental en el buen crecimiento de los vegetales. Mundo Agr. 4(41):16,18. Oct.1952. 9 M92

22966 BARNUM, B. B. Orland's fertilizer factory. Reclam. Era 39:10,22. Jan.1953. 156.84 R24
Earthworm raising.

22967 BOUYER, S. Microbiologie des sols à arachide du Sénégal: vues d'ensemble. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:162-166. Sept.1952. 26 F84B

22968 BUTSEROGA, M. M. Influence of fertilizers and soil moisture upon the formation of nodules in perennial legumes. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sofsialist. Zeml. Trudy 6:142-147. Ref. 1951. 56.9 K52

22969 CLEARY, L. J. Life depends on soil germs. Agr. Ireland 9:281,283. Dec.1952. 10.5 Ag8

22970 FREDERICK, L. R. Some considerations in the use of the soil perfusion apparatus for microbiological studies. (Abs.) Ind. Acad. Sci. Proc. 61:63. 1951, pub.1952. 500 In2

22971 FULLER, W. H., and ROGERS, R. N. Utilization of the phosphorus of algal cells as measured by the Neubauer technique. Soil Sci. 74:417-430. Ref. Dec. 1952. 56.8 So3
Tagged phosphorus.

22972 GARCIA, A. V. Contributions to a knowledge of the microbiology of the soil. I. (In Portuguese.) Inst. Super. de Agron. An. 18:1-88. Ref. 1951. 105.7 L682

22973 GULL, P. W., and HOFFER, G. N. There's a hidden crop in your soil! What's New Crops & Soils 5(4):16-18. Jan.1953. 6 W55
Soil microorganisms.

22974 JAUBERT, P. Première étude au Sénégal des bactéries symbiotiques de l'arachide. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:144-161. Sept.1952. 26 F84B

22975 KAMEDA, Y., and others. Hydrolysis and metabolism by soil bacteria of benzoyl derivatives of D- and L-forms of some amino-acids. Nature [London] 170:888-889. Nov.22,1952. 472 N21
E. Toyoura, H. Yamazoe, Y. Kimura, and Y. Yasuda, joint authors.

22976 LEVISOHN, I. Researches in soil mycology. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:123-126. 1952. 99.9 G795Re

22977 MEIKLEJOHN, J. Minimum phosphate and magnesium requirements of nitrifying bacteria. Nature [London] 170:1131. Dec.27,1952. 472 N21

22978 MONTASIR, A. H., and SIDRAK, G. H. Root nodulation in Zygophyllum coccineum L. Inst. Fouad Ier du Désert. B. 2:68-70. Jan.1952. 515 In7

22979 MURPHY, P. W. Soil faunal investigations. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:130-134. 1952. 99.9 G795Re

22980 NELSON, C. I. The micro-organisms in our soil. N. Dak. Agr. Expt. Sta. Bimon. B. 15:59-60. Nov./Dec.1952. 100 N813B

22981 POTEKHINA, L. I. In regard to a microbiological analysis of the Gray forest soils of Tomsk Region. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:101-104. Ref. 1951. 511 T59

22982 POWELL, T. Emphasis on earthworms. II. Org. Gard. 21:46-47,69-70. Jan.1953. 56.8 Or3

22983 RAM, C. S. V. Soil bacteria and chlamydospore formation in Fusarium solani. Nature [London] 170:889. Nov.22,1952. 472 N21

22984 SNIDER, H. J. Legumes for nitrogen at lower cost. Org. Farmer 4(5):14-15,41-42. Dec.1952. 57.8 Or3

22985 TIDMAN, D. A. The soil—its fauna & flora. Milk Indus. 33(6):79-82. Dec.1952. 44.8 M593

22986 TIMONIN, M. I., and GILES, G R. Effect of different soil treatments on microbial activity and availability of manganese in manganese deficient soil. J. Soil Sci. 3:145-155. Ref. July 1952. 56.8 J823

22987 VINDARD, G., DASTE, P., and LONGCHAMP, R. Action comparée du 2-méthyl 4-chlorophénoxyacétate de sodium (M. C. P. A.) sur le développement de l'Azotobacter dans divers sols. Acad. des Sci. Compt. Rend. 235:1048-1049. Nov.3,1952. 505 P21

22988 WARCUP, J. H. Effect of partial sterilization on the fungal flora of an old forest nursery soil. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:136-137. 1952. 99.9 G795Re

22989 YOSHIOKA, H. A new rapid isolation procedure of soil Streptomyces. (In Japanese.) J. Antibiotics 5:559-563. Oct.1952. 396.8 J824
English summary.

Soil-Plant-Animal Relationships

22990 RAY, S. N., DAS, N. B., and MURARI, T. The role of minor elements in soil and their effect on forage and feeding stuffs. India. Bd. Agr. & Anim. Husb. Proc. 8:156-159. 1951. 49.9 In22

22991 SQUIBB, R. L., and others. The relation of forages to nutrition problems in the American Tropics. Internatl. Grassland Conf. Abs. Papers 6(L):24-25. 1952. (Doc.5) 60.19 In86
F. Diaz, A. Fuentes, M. Guzman, and N. S. Scrimshaw, joint authors.

22992 WHITEHEAD, E. I., and MOXON, A. L. Nitrate poisoning. S. Dak. Agr. Expt. Sta. B. 424,24 p. Ref. June 1952. 100 So82
Cattle losses following the feeding of oat hays.

Soil Genesis, Formation, Classification, and Mapping

22993 ALBAREDA, J. M., ALEIXANDRE, V., and SANCHEZ CALVO, M. DEL. Los suelos de origen silúrico pertenecientes a la zona humeda española. An. de Edafología y Fisiol. Veg. 11:455-507. Ref. Sept./Oct.1952. 506 Sp12
English summary.

22994 BARANOVSKAÍA, A. V. Role of soil forming rock in the process of accumulating humus. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:137-157. Ref. 1951. 511 M854

22995 BOUYER, S., and AUGUSTE, P. Quelques aspects agrologiques de la region de Kayes. Bambey Cent. de Rech. Agron. B. 5:21-45. 1952. 24 B21
Soils and climate.

22996 BOWSER, W. E., PETERS, T. W., and NEWTON, J. D. Soil survey of Red Deer Sheet. Alberta U. Facul. Agr. B. 51,86 p. 1951. 101 AL1B

22997 BREDEWOUT, J. W. Every one is personally interested in soil mapping. I-IV. (In Dutch.) Groenten en Fruit 8:282,293,341,359. Oct.23-Nov.27,1952. 80 G89

22998 COMEL, A. Critical survey of Italian studies on the "Red Earth" of Italy, published in the years 1934-1950. (In Italian.) Ist. Chim.-Agr. Sper. Nuovi Ann. 3: 7-111. Ref. 1952. 105.4 G67

22999 COMEL, A. Geo-agricultural notes on the soils around Vlona. (In Italian.) Ist. Chim.-Agr. Sper. Nuovi Ann. 3:133-149. 1952. 105.4 G67

23000 DUPONT, J. P. La classification pédologique du Professeur Emile Huguet del Villar et les sols d'Afrique du Nord. Soc. des Sci. Nat. du Maroc. Sect. de Pédol. Trav. 2/3:1-14. 1951,pub.1952. 56.9 So36

23001 ELLIS, B. S. Genesis of a tropical red soil. J. Soil Sci. 3:52-62. Jan.1952. 56.8 J823

23002 FERRIS, H. J. Land characteristics and land use in the South Tihama—Saudi Arabia. J. Soil & Water Conserv. 7:117-118,124. July 1952. 56.8 J822

23003 HALLSWORTH, E. G., and others. Studies in pedogenesis in New South Wales. I-III. J. Soil Sci. 3:89-124,190-218. Ref. Jan.-July 1952. 56.8 J823
I, The influence of rice cultivation on the grey and brown 'Gilcai' soils of the Murrumbidgee Irrigation Areas, by E. G. Hallsworth, T. H. Lemerle, and H. V. Rayner; II, The chocolate soils, by E. G. Hallsworth, A. B. Costin, F. R. Gibbons, and G. K. Robertson; III, The alpine humus soils, by A. B. Costin, E. G. Hallsworth, and M. Woof.

23004 HERRERO EGAÑA, M. Los suelos del naranjo en los terminos de Carcagente y Alcira. Spain. Inst. Nac. de Invest. Agron. An. 1:241-297. Sept.1952. 15 Sp18

23005 HOYOS, A., and DELGADO, M. Genesis y caracterizacion del material denominado "launa." An. de Edafología y Fisiol. Veg. 11:509-526. Ref. Sept./Oct.1952. 506 Sp12
English summary.

23006 KHANTULEV, A. A. Question of soil genesis in the forest-steppes of Eastern Siberia. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:199-217. Ref. 1951. 511 M854

23007 KUZNETSOV, K. A. Soils of the left bank of Ob River within the boundaries of the Central part of Tomsk Region. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:41-100. Ref. 1951. 511 T59

23008 LIGIER, P. Les terres de la region de Bone. Elevage et Cult. 4(47):13-16. Nov.1952. 24 EL2

23009 LIONNET, J. F. G. Rendzina soils of coastal flats of the Seychelles. J. Soil Sci. 3:172-181. July 1952. 56.8 J823

23010 LUGO-LÓPEZ, M. A., MARTINEZ, M. B., and RIERA, A. R. Morphological and physicochemical properties of various tropical soils from east-central Puerto Rico. P. R. U. J. Agr. 36:167-178. Ref. Apr.1952. 8 P832J

23011 MICHIGAN. DEPT. OF CONSERVATION. LAND ECONOMIC SURVEY. Report on the soils of Charlevoix County. Lansing,1952. 24 p. 56.22 M582R

23012 MORANI, V., and GATTORTA, G. Cassino and its soils. (In Italian.) Italia Agr. 89:765-778. Nov.1952. 16 It1

23013 MÜCKENHAUSEN, E. Die bodenkartierung als bestandsaufnahme des bodens. Deut. Landwirt. Gesell. Mitt. 67:819-821. (Cont.) Nov.6,1952. 18 N39

23014 MÜCKENHAUSEN, E. Die bodenkartierung als bestandsaufnahme des bodens. Deut. Landwirt. Gesell. Mitt. 67:856-857,862. (Concl.) Nov.13,1952. 18 N39

23015 NIELSEN, N. C. The heaths in Vejle Province. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 73: 205-208. Oct.15,1952. 11 H35

23016 OSVALD, H. Peat-lands. New Zeal. Sci. Rev. 10:9-11. Jan./Feb.1952. 475 N48

23017 PETERSON, R. O. North Dakota's soil train. Reclam. Era 38:284-285,291. Dec.1952. 156.84 R24

23018 PONOMAREVA, V. V. Knowledge of the formation process of humus alluvial podzol [soil]. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:30-68. Ref. 1951. 511 M854

23019 REIFENBERG, A. The soils of Syria and the Lebanon. J. Soil Sci. 3:68-88. Ref. Jan.1952. 56.8 J823

23020 SCHELLING, J. Een bodemkartering van noord-Limburg, gemeenteen Ottersum, Gennep en Bergen. A soil survey of northern Limburg, municipalities Ottersum, Geneep and Bergen. 's-Gravenhage,Staatsdrukkerij, 1952. 2 v. 56.7 Sch2
Proefschrift—Landbouwhogeschool, Wageningen.

23021 SCHNITZER, M., and DELONG, W. A. A note on the podsolization process. Sci. Agr. 32:680. Dec. 1952. 7 Sci2

23022 SIMMONS, C. S. The soil survey—a blueprint for development. Foreign Agr. 16:226-228. Dec.1952. 1.9 Ec7For
In Latin American countries.

23023 SIMONSON, R. W., PIECKEN, F. F., and SMITH, G. D. Understanding Iowa soils; an introduction to the formation, distribution, and classification of Iowa soils. Dubuque,Iowa,Brown,1952. 142 p. Ref. 56.22 Si5

23024 SMITH, R. The soil associations of part of the Swan Coastal Plain, W. A. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt. 1/52, 6 p. Sept.1952. 56.9 Au7

23025 STEPHEN, I. A study of rock weathering with reference to the soils of the Malvern Hills. I-II. J. Soil Sci. 3:20-33,219-237. Ref. Jan.-July 1952. 56.8 J823

23026 TAMHANE, R. V. Land utilisation and soil studies. Sci. & Cult. 18:272-274. Dec.1952. 475 Sci24

23027 TEAKLE, L. J. H. An interpretation of the occurrence of diverse types of soils on basalt in northern New South Wales and Queensland. Austral. J. Agr. Res. 3:391-408. Ref. Oct.1952. 23 Au783

23028 TSYGANENKO, A. F., and ZHEZHEL', M. G. Geographical sketch of soil of the Birsk Region in the Bashkir ASSR. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:218-256. 1951. 511 M854

23029 VERNANDER, N. B. Brown forest and related soils. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:15-22. 1951. 56.9 K52

23030 VLASIUK, I. A. Soil genesis in the Carpatian lowlands. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:23-28. Ref. 1951. 56.9 K52

23031 ZAVALISHIN, A. A. Question of soil genesis of the national forest "Tul'skie Zaseki." (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:158-198. Ref. 1951. 511 M854

SOIL MANAGEMENT

23032 BANDINI, M. La "bonifica integrale" en Italia. La reforma del agro en Italia. Spain. Inst. Nac. de Colon. I. N. C. P. (ser.2)24,47 p. 1952. 280.9 Sp1I

23033 BARBA, L. DELLA. Control of salinity in the Mantello Reclamation Project. (In Italian.) Agr. Ferrarese 56:121-125. June 30,1952. 16 Ag87

23034 BARBOSA, L. A. G. Conversing on soil burning. (In Portuguese.) Gaz. do Agr. 4:238-240. Sept. 1952. 24 G25

23035 BOREHAM, G. W. The progress of the pioneers. I-II. Farmer [Bridgewater] 7:14-16. Autumn 1952. 10 F2282

I, Fertility farming in Suffold; II, Reviving a Norfolk farm.

Organic farming.

23036 BORST, H. L. Soil preparation in establishing grass on erodible hill land. Internatl. Grassland Conf. Abs. Papers 6(E):6. 1952. (Doc.5) 60.19 In86

23037 CLAGETT, C. O., and others. The soil depleting power of the flax crop compared with that of hard red spring wheat, oats and barley. N. Dak. Agr. Expt. Sta. B. 378,26 p. Ref. Aug.1952. 100 N813

T. E. Stoa, H. J. Klosterman, A. F. Kingsley, and W. W. Sisler, joint authors.

23038 CORFITZEN, W. E. Angola, Mozambique reclamation projects; preliminary report. Lisbon,1952. 50 p. 173.2 M98A

23039 CREIDER, C. A. From dirt to soil. Org. Gard 21:30-31,61,64-65. Jan.1953. 56.8 Or3

23040 DEAKINS, R. M. The agricultural restoration of strip mined areas, with particular reference to areas, mined for ironstone in the county of Northampton, England. Internatl. Grassland Conf. Abs. Papers 6(G):10. 1952. (Doc.5) 60.19 In86

Discussion by W. C. Bramble, p. 6.

23041 DONDI, G. Observations on reclamation. III. (In Italian.) Assoc. Naz. delle Bonifiche, Irrig. e Miglioramenti Fondiari. B. Mens. 6:183-185. Aug./Sept.1952. 55.9 As72

23042 DREIBELBIS, F. R. Some relationships of precipitation and soil loss on small agricultural watersheds. J. Soil & Water Conserv. 7:113-116,127. July 1952. 56.8 J822

23043 ELISEEVA, V. M. Experiment in cultivation of marshes in the taiga area of Western Siberia. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:105-118. Ref. 1951. 511 T59

Soil management for field crops.

23044 FLEMING, H. K., and ALDERFER, R. B. Soil management in a young Montmorency sour cherry orchard. Pa. Agr. Expt. Sta. B. 557,17 p. Ref. Sept.1952. 100 P381

23045 GMÜR, V. Die durchführung der gesamtmelioration Unter-Klettgau. Schweiz. Landwirt. Monatsh. 10:333-346. 1952. 17 Sch93

Includes land tenure and consolidation of holdings.

23046 GREENALL, A. F. Determining land capability as a basis for watershed management in New Zealand Internatl. Grassland Conf. Abs. Papers 6(G):18. 1952. (Doc.5) 60.19 In86

Discussion by R. D. Hockensmith p. 24.

23047 HARROLD, L. L. Effect of increasing grassland on water yields in humid areas. Internatl. Grassland Conf. Abs. Papers 6(G):21. 1952. (Doc.5) 60.19 In86

Data from watersheds.

Discussion by H. Burger, p. 8.

23048 KOHNKE, H. Reclaiming coal mine spoils for agriculture. (Abs.) Ind. Acad. Sci. Proc. 61:165. 1951, pub.1952. 500 In2

23049 KRYLATOV, A. K. Increasing the fertility of Solonetz soils. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):5-8. July 1952. 95.8 V77

23050 LASSEN, L., LULL, H. W., and FRANK, B. Some plant-soil-water relations in watershed management. U. S. D. A. C. 910,64 p. Ref. Oct.1952. 1 Ag84C

23051 LLANO BUENAVENTURA, M. La renovación del medio como factor importante en la fertilidad de los suelos ecuatoriales. Acta Agron. [Palmira] 2:233-239. Oct.1952. 9.4 Ac8

23052 LOUGHLIN, J. Australia's farm-a-fortnight plan. Power Farmer 9:202-203. Dec.1952. 58.8 P872

Wasteland reclamation.

23053 LUGO LÓPEZ, M. A. Acondicionamiento de los suelos para la producción de alimentos. Rev. de Agr. P. R. 43:60-75. Ref. Jan./June 1952. 8 R325

Soil management.

23054 MAGRIN, P. Reclamation and land transformation. (In Italian.) Cassa per il Mezzogiorno. Not. 1 (7/8):9-14. July/Aug.1952. 280.8 N82

23055 MEYER, H. Die gesamtmelioration Unter-Klettgau im rahmen der meliorationstätigkeit des Bundes. Schweiz. Landwirt. Monatsh. 10:331-332. 1952. 17 Sch93

23056 MUNSELL, R. I. Results of growing corn continuously on the same soil—a progress report. Conn. (Storrs) Agr. Expt. Sta. INF-39,7 p. Mar.1952. 100 C76I

23057 PENTZ, J. A., and SCOTT, J. D. The restoration of permanent stream flow in a South African river by the revegetation of its upper catchment. Internatl. Grassland Conf. Abs. Papers 6(G):36-37. 1952. (Doc.5) 60.19 In86

23058 SEITZER, J. Bodenpflege durch bodenbedeckung, wirtschaftliche klimameliorationen und andere fragen des praktischen obstbaues. Deut. Wetterdienst in der US-Zone. Ber. 32:42-43. 1952. 345 G313

23059 SPIVAK, KH. S. Seasonal dynamics of the salt regime of sodium Solonetz soils in connection with gypsum application. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:57-67. Ref. 1951. 56.9 K52

23060 SPRAGUE, H. B. Soil management for grasslands in semi-humid-arid regions. Internatl. Grassland Conf. Abs. Papers 6(E):26. 1952. (Doc.5) 60.19 In86

23061 THIELE, H. Uber die kultivierung industriell abgetorfter hochmoorflächen im gebiet der staatlichen moorverwaltung Emsland. Wasser u. Boden 4:288-290. Sept.1952. 56.8 W28

23062 THORNE, D. W., and BENNETT, W. H. Soil management for grasslands on irrigated salted soils. Internatl. Grassland Conf. Abs. Papers 6(E):27-28. 1952. (Doc.5) 60.19 In86

23063 WILM, H. G. The relation of different kinds of plant cover to water yields in semi-arid areas. Internatl. Grassland Conf. Abs. Papers 6(G):42. 1952. (Doc.5) 60.19 In86

Soil Fertility

23064 ACHARYA, C. N., JAIN, S. P., and JHA, J. Influence of legumes in crop rotation on the soil. Sci. & Cult. 18:286-287. Dec.1952. 475 Sci24

23065 ALEXANDER, E. D., PRESTON, J. B., and JOHNSON, J. R. Winter cover crops. Ga. Agr. Col. Ext. C. 300,rev.,8 p.-folder. Sept.1952. 275.29 G29C

23066 ALLEN, E. F. Padi manurial trials in the 1950-51 season. Malayan Agr. J. 35:132-155. July 1952. 22.5 F312

23067 ALTEN, F. Effect of potassium on yield and quality of grassland. Internatl. Grassland Conf. Abs. Papers 6(E):1-2. 1952. (Doc.5) 60.19 In86

23068 AQUINO, D. I., and SUBIDO, P. S. A three year fertilization test of rice in the Province of Albay. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(5): 6-10. May 1952. 25 P544P

23069 ARLAND, A. Kalidüngung und wasserverbrauch. Ernähr. der Pflanze 1:27-33. Oct.1952. 57.8 Er62
English summary

23070 ASHBY, H. K. Padi manurial trials on smallholders' land in Kelantan, season 1951-1952. Malayan Agr. J. 35:191-207. Oct.1952. 22.5 F312

23071 ÅSLANDER, A. Standard fertilization and the quality of crops. Soil Sci. 74:431-442. Dec.1952. 56.8 So3

23072 BAGUE, J. El ganado y el cultivo de la tierra. Cuba Ganad. 13(5):27-28. Jan.1,1953. 49 C89

23073 BAKER, D. G., ROST, C. O., and KRAMER, H. W. Influence of fertilizers on four legumes when grown as green manures. Minn. Agr. Expt. Sta. Tech. B. 204,14 p. June 1952. 100 M66

23074 BAKER, V. C., and HAWORTH, F. Questions and answers on manurial problems. Ceylon. Tea Res. Inst. Tea Q. 23:81-83. Sept.1952. 68.18 C33

23075 BARBER, S. A. The prediction of alfalfa yields in southern Indiana from soil and plant analyses. Ind. Acad. Sci. Proc. 61:167-170. 1951,pub.1952. 500 In2

23076 BASHBEUK-MELIKOVA, N. K. Effectiveness of mineral fertilizers on corn under different irrigation systems. (In Russian.) Akad. Nauk Gruzinskoi SSR. Inst. Polevod. Trudy 6:79-97. Ref. 1951. 64.9 Ak12

23077 BELL, J. E. Responses to basic slag in South Auckland. New Zeal. J. Agr. 85:327-328. Oct.15, 1952. 23 N48J

23078 BENNEMA, J. Research on peat for horticultural purposes. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:639-650. Aug./Sept.1952. 86 N384
English summary.

23079 BERRYMAN, J. W. Lime—its effect on soils and some guides to its use. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:261-267. Nov.1952. 23 T182T

23080 BOOK, B. Livestock essential for fertility. Purdue Agr. 44:4-5,15. Oct.1952. 6 P97
In crop rotation and manure.

23081 BORJA, V. Green manuring to increase rice production. Agr. & Indus. Life 14(10):6. Oct.1952. 25 Ag8

23082 BOTTINI, E. The phosphatic fertilizers and their relation to the soil composition. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1637-1658. Ref. 1952. 16 An76
English summary.

23083 BOUFFIL, F., TOURTE, R., and BOUYER, S. Modes d'application et diffusion de l'engrais dans le sol: étude sur l'arachide au Sénégal. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:89-97. Sept.1952. 26 F84B

23084 BOULD, C., and TOLHURST, J. Nutrient placement in relation to fruit tree nutrition. III. Nitrogen fertilization of apple with foliage sprays of urea. Progress report. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:49-53. 1952. 84 B77

23085 BOUYER, S., COLLOT, L., and MARA, M. Diagnostic foliaire de l'arachide; résultats expérimentaux. France. Dir. de l'Agr., de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:7-36. Sept.1952. 26 F84B

23086 BOUYER, S. Phosphates et arachide; résultats de la campagne 1951. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:53-63. Sept.1952. 26 F84B

23087 BROWN, B. A. Soil liming experiments. Conn. (Storrs) Agr. Expt. Sta. INF-34,11 p. Feb.1952. 100 C76I

23088 BRÜNING, D. Ein beitrag zur forstdüngungsfrage. Wald 2:338-342./(Cont.) Nov.1952. 99.8 W143

23089 BUCHNER, A. 25 jahre nitrophoska. Ratschläge f. den Bauernhof 8,48 p. Ref. 1952. 18 L62

23090 BURNS, M. M. Phosphates in New Zealand agriculture. New Zeal. Geog. 8:125-137. Oct.1952. 331.8 N48

23091 CALDWELL, A. C. Better stand + proper fertilization = more corn per acre. Minn. U. Agr. Ext. Folder 166,6 p. Apr.1952. 275.29 M66Ex

23092 CARLSSON, G. Ultuna farm. (In Swedish.) Växt-Närings-Nytt 8(7):6-8. 1952. 57.8 V47
Fertilizer experiments.

23093 CARMODY, J. J. The advantages of autumn liming. Beet Grower 6:156-157. Oct.1952. 66.8 B392

23094 CARRIOLS, F., and TOURTE, R. Contribution à l'étude de la fumure du mil (Pennisetum) au Sénégal. France. Dir. de l'Agr. de l'Elevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:45-52. Sept.1952. 26 F84B

23095 CASSEL, F. Garden notes on fertilizers and insecticides. Amer. Iris Soc. B. 128:27-29. Jan.1953. 81 Am39

23096 CHANDLER, W. V. Fertilize corn for profitable yields. N. C. Dept. Agr. B. 128:21-22. Oct.1952. 2 N81B

23097 CHANDLER, W. V., and HALL, N. S. Placement of phosphorus with corn. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:28-30. 57.9 So84

23098 CHASE, J. L. H. Organic soil foods. Mr. Chase's Cloche Gard. Notes 11:162-164. Nov.1952. 80 M69

23099 CHENEY, H. B., and MELDRUM, H. R. Phosphate fertilizers. Iowa. State Col. Agr. Ext. Pam. 184, 8 p. Apr.1952. 275.29 Io9Pa

23100 CHOPENKO, L. I. Effect of various methods of fertilizer application to the soil on improving the root nutrition and yields of tomatoes. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:56-59. 1951. 106 Um1

23101 CHURCH, B. M. Recent trends in fertilizer practice in England and Wales. II. The use of fertilizers on cereals, root crops, and grassland. Empire J. Expt. Agr. 20:257-270. Oct.1952. 10 Em7

23102 COLLINS, E. R. Liquid nitrogen fertilizers. N. C. Dept. Agr. B. 128:24-25. Oct.1952. 2 N81B
Anhydrous ammonia.

23103 COLLINS, E. R. North Carolina fertilizer and lime recommendations for 1953. N. C. Dept. Agr. B. 128:27-34. Oct.1952. 2 N81B

23104 DARCEL, F. C. A review of recent investigations on citrus production, with particular reference to the mineral nutrition of the crop. Trop. Agr. [St. Augustine] 29:77-87. Apr./June 1952. 26 T754

23105 DEENIK, Z. Some observations on the use of fertilizers in fruit culture. Johannesburg,1951? 5 p.-folder. 57.7 D36

23106 DELVER, P. Fertilizer experiments on dwarf beans. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:816-828. Oct.1952. 86 N384
English summary.

23107 DIONIGI, A. Fling the wheats on the paths of sunlight. (In Italian.) Gior. di Agr. 62:373. Dec.7, 1952. 16 It1G
Nitrate fertilization.

23108 DIONIGI, A. When to give nitrogen to early late wheat. (In Italian.) Gior. di Agr. 62:381. Dec. 14,1952. 16 It1G

23109 DOBSON, S. H. Pastures and hay crops, the job ahead. N. C. Dept. Agr. B. 128:23. Oct.1952. 2 N81B
Fertilizers.

23110 DRAGHETTI, A. Relationship between grassland crops and the agronomic fertility of the soil. Internatl. Grassland Conf. Abs. Papers 6(G):12. 1952. (Doc.5) 60.19 In86
Discussion by W. A. Albrecht, p.1-2.

23111 EKSTEEN, L. L. Conservation farming cuts the fertilizer bill. (In Afrikaans.) (Sum.) Landbouweekblad 34(1735):29. Oct.15,1952. 24 L232
Applications of fertilizer required in the Union of South Africa.

23112 ELMER, A. C. The use of organic matter for soil fertility and texture. Amer. Rose Mag. 10(12): 17-18. Dec.1952. 80 Am327A

23113 ELROD, J. M. Lupines for green manure. Ga. Agr. Expt. Sta. Press B. 610,rev.,2 p. Feb.26,1952. 100 G29P

23114 EMBLETON, T. W., KIRKPATRICK, J. D., and PARKER, E. R. Phosphatic fertilizers on Valencias; field response in phosphorus-deficient orchard reveals improvements in foliage growth and color, and in fruit quality. Calif. Agr. [Calif. Sta.] 6(11):8-9. Nov.1952. 100 C12Cag

23115 ENSMINGER, L. E., and PEARSON, R. W. Residual value of previously applied phosphates. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951: 1-4. 57.9 So84

23116 ENSMINGER, L. E., and PEARSON, R. W. Uniform phosphorus experiment. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:5-7. 57.9 So84

23117 FAGUNDES, A. B. Soil fertility relationships in the region of Sete Lagoas, Brazil. Internatl. Grassland Conf. Abs. Papers 6(L):2. 1952. (Doc.5) 60.19 In86

23118 FANNING, J. W. How much fertilizer is too much? Prog. Farmer, Ga.-Ala.-Fla. Ed. 68:15,74. Jan. 1953. 6 P945G

23119 FIORENTINI, G. A daring example of mountain fertilizer irrigation. (In Italian.) Monti e Boschi 3: 456-467. Oct.1952. 16 M76
English summary.

23120 FIORITO, G. La concimazione delle piante da frutto nel Napoletano [Fertilizing fruit trees in the Neapolitan region]. Italy. Ispettorato Prov. dell'Agr. de Napoli. C. 5,11 p. 1952. 16 It18

23121 FRANCK, O. Effects of nitrogen fertilizers on yield and crude protein contents of forage plants. (In Swedish.) Växt-Närings-Nytt 8(7):1-5. 1952. 57.8 V47

23122 FUNAMOTO, H., and MASUDA, S. Studies on fractional application of nitrogenous fertilizer in vegetable crops. I. (In Japanese) Hort. Assoc. Japan. J. 21:123-128. Ref. Sept.1952. 87 H78

23123 GADRE, G. T., and GUPTA, J. The problem of phosphate fertilizers in India. Sci. & Cult. 18:165-169. Oct.1952. 475 Sci24

23124 GANSSEN, R. Devastierung und meliorierung von waldböden. Allg. Forstz. 7:529-531. Dec.24,1952. 99.8 AL52
Soil fertility.

23125 GERICKE, S. Die manganversorgung des grünlandes. Praxis u. Forsch. 4:132-134. Oct.20,1952. 18 P89
Germany.

23126 GIRALDI, C. A. El sulfato de cal en la agricultura. Consorcio de Cent. Agr. de Manabi. Rev. 12 (71):5-8. July/Sept.1952. 9.5 M31
Fertilizer.

23127 GISIGER, L. Organic manuring of grassland. Internatl. Grassland Conf. Abs. Papers 6(E):9. 1952. (Doc.5) 60.19 In86

23128 GOOR, G. A. W. VAN DE. Results of a long-term fertilizer field experiment with lowland rice on heavy margalite soil. Landbouw [Bogor] 24:1-18. Jan./Mar.1952. 22.5 L23

23129 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Marling and claying. Gt. Brit. Min. Agr. & Fisheries. Fixed Equip. Farm L. 18,10 p. Sept.1952. 10 G7944

23130 GROOT, J. C. DE. The lime-potash-magnesium test field at Heusen-hot. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:388-390. Oct.1952. 12 N383M

23131 GUSTAFSSON, H. Fall or spring fertilizing? (In Swedish.) Växt-Närings-Nytt 8(7):12-13. 1952. 57.8 V47

23132 HALL, T. D., and ALTONA, R. E. Phosphate and nitrogen fertilization of native grasslands. Internatl. Grassland Conf. Abs. Papers 6(E):10-11. 1952. (Doc.5) 60.19 In86

23133 HASSELBACH. Zur weinbergs-düngung mit humus-dünger. Deut. Weinbau 7:598. Nov.5,1952. 390.8 W432

23134 HAUSSMANN, G. The effects on soil fertility of the introduction of forage plants into agriculture. Internatl. Grassland Conf. Abs. Papers 6(G):22. 1952. (Doc.5) 60.19 In86

23135 HAWORTH, F. Minor element nutrition of the tea bush in Ceylon. Ceylon. Tea Res. Inst. Tea Q. 23: 67-69. Sept.1952. 68.18 C33

23136 HEIJ, D. VAN. Fertilizer tests on deep plowed sea clay. (In Dutch.) Groninger Landbbl. 30(41): 21-22. Oct.16,1952. 12 G892

23137 HERNÁNDEZ-MEDINA, E. The beneficial effect of filter press cake on pineapple growth, development and production. I-II. P. R. U. J. Agr. 36:255-301. Ref. July 1952. 8 P832J

23138 HERNÁNDEZ-MEDINA, E. Filter press cake increases pineapple yields in Puerto Rico. P. R. (Rio Piedras). Agr. Expt. Sta. B. 104,38 p. Ref. Apr.1952. 100 P83

23139 HERVEY, R. J., and others. Studies on depth of fertilizer placement and cotton feeding habits in blackland soils as indicated by the uptake of P^{32}. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus-South. Region 1951: 47-49. 57.9 So84
F. L. Fisher, J. R. Johnston, and L. C. Kapp, joint authors.

23140 HESS, J. W. Liming of acid sugarcane fields. Sugar News [Manila] 28:479. Oct.1952. 65.8 Su36

23141 HESTER, J. B. De como fertilizar para obtener mejores hortalizas. Rev. de Agr. P. R. 43:97-99. Jan./June 1952. 8 R325

23142 HEYDECKER, W. In search of humus. I. Gard. Illus. 70:15-16. Jan.1953. 80 G169

23143 HODGES, E. M. Soil fertility and grass-legume relationships on sandy land. Internatl. Grassland Conf. Abs. Papers 6(L):15. 1952. (Doc.5) 60.19 In86

23144 HOPKINS, J. S. Lime and its use. Worcestershire Agr. Chron. 20:301,303,305,307. Sept./Nov. 1952

23145 HOVD, A. Liming and effect of liming on marshes. (In Norwegian.) Landbrukstidende 58:884-886. (Cont.) Nov.5,1952. 11 L236

23146 HUME, W. G. Soil fertility on the small market garden. Worcestershire Agr. Chron. 20:309,311,313,315, 317. Sept./Nov.1952. 10 W892

23147 HUNT, R. Build the land to fit burley. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68:17,89. Jan.1953. 6 P945K
Fertilizers for tobacco.

23148 HUTSON, H. C., FISHER, F. L., and KAPP, L. C. Effect of fertilizers on the yield and chemical composition of pasture forage at Nacogdoches, 1949-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1493,3 p. Aug.30,1952. 100 T31P

23149 JONES, L. I. More efficient use of fertilizer and lime. Ext. Serv. Rev. 23:213. Dec.1952. 1 Ex892Ex

23150 JONES, W. W., and STEINACKER, M. L. Leaf sprays of urea as a source of nitrogen for citrus trees. Calif. Citrog. 38:84,107. Jan.1953. 80 C125

23151 JONES, W. W., and STEINACKER, M. L. Leaf sprays of urea as a source of nitrogen for orange trees. Citrus Leaves 33:10-12. Jan.1953. 80 C492

23152 JØRGENSEN, E. More tree fruit through correct fertilizing. (In Danish.) Husmandshjemmet 2(41): 5. Oct.8,1952. 11 H963

23153 KIHARA, Y. Effects of urea-spraying on the quality of grains. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:4-5. Sept.1952. 389.9 T57

23154 KILBY, W. W., SITTON, B. G., and LEWIS, W. A. Anhydrous ammonia a good source of nitrogen for tung. Amer. Tung Oil Assoc. Proc. 19:8-15. 1952. 77.9 Am32

23155 KILBY, W. W., SITTON, B. G., and LEWIS, W. A. Anhydrous ammonia a good source of nitrogen for tung. Miss. Farm Res. [Miss. Sta.] 15(11):8. Nov.1952. 100 M69Mi

23156 KIRSCHFELD. Die erschliessung neuer humusquellen für die forstwirtschaft. Allg. Forstz. 8:16-19. Jan.7,1953. 99.8 AL52

23157 KLAPP, E. Should fertilizers for grassland be worked into the soil? Internatl. Grassland Conf. Abs. Papers 6(E):12-13. 1952. (Doc.5) 60.19 In86

23158 KLEBOE, J. A. Liquid manure—a key to fertility. Mother Earth 6(4):45-49. Oct.1952. 56.8 M85

23159 KNOPPIEN, P. Results of manurial experiments of some outdoor crops on riverclay. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:625-638. Aug./Sept.1952. 86 N384
English summary.

23160 KOFOED, A. D. Application of superphosphate and potash. (In Danish.) Jydsk Landbr. 34:738-739. Oct. 23,1952. 11 J99

23161 KRISTIANSSON, S. New paths in plant nutrition research. (In Swedish.) Lantmannen 36:1012-1013. Dec.6,1952. 11 L234
Fertilizers.

23162 LANCASTER, J. D. Uniform phosphate experiment. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus,South. Region 1951:25-27. 57.9 So84

23163 LANGE, P. Uber das düngen der obstbäume. Pflanze u. Gart. 2(10):18-19. Oct.1952. 80 P48

23164 LARSEN, H. Division of phosphorus fertilizers among the various crops in the rotation of crops. (In Swedish.) Växt-Närings-Nytt 8(7):9-11. 1952. 57.8 V47

23165 LENT, J. M., and SCARCHUK, J. Effect of boron on snap beans; a progress report. Conn. (Storrs) Agr. Expt. Sta. INF-35,7 p. Feb.1952. 100 C76I

23166 LIEBERMANN, J. El problema de la desmineralización de los continentes. Pampa Argentina 25 (298):3,32-33. Oct.1952. 9 P19
Problems of soil fertility.

23167 LOCSIN, C. L. Field experiment No.98 (52) on quantities of potash fertilizer. Sugar News [Manila] 28:466-469A. Oct.1952. 65.8 Su36

23168 LOTTI, B. New trends in fertilizing in the restoration of coffee plantations. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:816-827. Sept.1952. 68.29 Sa63

23169 LOVELOCK, E. B. Soils and water in the rock garden. Plants & Gard. 8:194-195. Autumn 1952. 450 P694

23170 MCCOLLAM, M. E. The leaf analysis approach to crop nutrition. Better Crops Plant Food 36(10): 6-14,43-44. Dec.1952. 6 B46

23171 MCVICKAR, M. H. Fertilizer and conservation. Com. Fert. 86:52-53,74-76. Jan.1953. 57.8 C73

23172 MARARENKO, E. A. Water and nutritive regime of the soil in connection with time of sod formation in the orchard. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:24-29. 1951. 106 Um1
Effect of legumes and grasses.

23173 MARTENSEN, R. Wie hoch soll die kaliphosphatdüngung bemessen werden? Deut. Landwirt. Gesell. Mitt. 67:873. Nov.20,1952. 18 N39

23174 MARTINEZ, M. B., and LUGO-LOPEZ, M. A. The influence of subsoil fertilization on sugarcane yields. Sugar J. 15(7):24-27. Dec.1952. 65.8 Su391

23175 MEILHAN, A. Les champs de démonstration à la Ferme-Pilote de Vic-Fezensac en 1952. Terre d'Oc 34:490-493. (Cont.) Nov.1952. 14 Ar5
Fertilizers tests on grasslands and wheat.

23176 MELSTED, S. W. King Corn, soil builder or destroyer? What's New Crops & Soils 5(4):7-9. Jan. 1953. 6 W55

23177 MENEZES, W. C. DE. Experiments in cotton fertilizing at the Sete Lagoas Experiment Station. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(6):5-17. June 1952. 9.2 M663

23178 MERRILL, S., POTTER, G. F., and BROWN, R. T. Responses of tung trees on Lakeland fine sand to less common elements applied from 1942 to 1951, inclusive. Amer. Tung Oil Assoc. Proc. 19:23-29. 1952. 77.9 Am32

23179 MINOR, W. A. A national objective—more efficient use of fertilizer and lime. Natl. Fert. Rev. 27 (4):3-6. Oct./Dec.1952. 57.8 F414

23180 MITSCHERLICH, E. A. Ertragssteigerung durch richtige düngung. Berlin,Aufbau-Verlag,1952. 90 p. (Wissenschaft und Technik Verständlich Dargestellt 5) 57.07 M69Er

23181 MORGADO, M. L. The fertility of agricultural soil and compost. (In Portuguese.) Gaz. do Agr. 4:204-206. (Cont.) Aug.1952. 24 G25

23182 MOSCHLER, W. W., RICH, C. I., and OBENSHAIN, S. S. Differential absorption of and yield response by oats in the greenhouse to 0 and 6 percent ammoniated superphosphates on three Virginia soils at 3 pH levels of each. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:62-64. 57.9 So84

23183 MOSCHLER, W. W., RICH, C. I., and OBENSHAIN, S. S. Downward migration of phosphorus applied to the surface of a pasture sod. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:68-69. 57.9 So84

23184 MOSCHLER, W. W., RICH, C. I., and OBENSHAIN, S. S. Effect of ammoniation of superphosphate on its availability to wheat. South Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus. South. Region 1951:60-61. 57.9 So84

23185 MOSCHLER, W. W., RICH, C. I., and OBENSHAIN, S. S. Utilization of superphosphate by corn when applied with rock phosphate. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:65-67. 57.9 So84

23186 MOSEMAN, A. H. Tomorrow's agriculture being built on sound chemical foundations. Agr. Chem. 7(12):49-51,111,113. Dec.1952. 381 Ag8
Fertilizers and herbicides.

23187 MOSOLOV, I. V., and PANOVA, A. V. Certain particulars in nutrition of summer wheat. (In Russian.) Selek. i Semen. 19(10):46-54. Oct.1952. 61.9 Se5
Phosphate requirements.

23188 MULDER, E. G. Fertilizer vs. legume nitrogen for grasslands. Internatl. Grassland Conf. Abs. Papers 6(E):16-17. 1952. (Doc.5) 60.19 In86

23189 MUSSER, H. B. Fundamentals in turf fertilization. Golf Course Rptr. 20(6):20-21. (Cont.) Nov./Dec. 1952. 60.18 G83

23190 NELLER, J. R., and LUNDY, H. W. Availability of residual phosphorus of superphosphate and rock phosphate determined by phosphorus in crops from radioactive superphosphate. Soil Sci. 74:409-415. Dec.1952. 56.8 So3

23191 NELLER, J. R. Sulfur in relation to fertilizers and soil amendments for grasslands. Internatl. Grassland Conf. Abs. Papers 6(E):18-19. 1952. (Doc.5) 60.19 In86

23192 NELLER, J. R. Sulfur nutrition of plants. Farm Chem. 115(12):28-29. Dec.1952. 57.8 Am3

23193 NESMIIAN, I. N. Surface fertilizing of meadows and pastures in the western regions of the Ukrainian SSR. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:111-115. 1951. 56.9 K52

23194 NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. CRANBERRY-BLUEBERRY RESEARCH LABORATORY, PEMBERTON. Be sure soil is right before investing in land for blueberry production, by C. A. Doehlert. Pemberton,1951? 3 p. 56.34 N46

23195 NIELSEN, H. Grass under the fruit trees. (In Danish.) Haven 52:137-138. Nov.1952. 80 H29

23196 OKUNTSOV, M. M. Application of copper fertilizers for agricultural reclamation of the peat bog soils of Narym. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:119-123. 1951. 511 T59

23197 OLAFSON, G. Cover crop in the orchard. (In Norwegian.) Gartneryrket 42:843-845. Dec.6,1952. 80 G1938

23198 PAGE, W. J. Are maximum benefits being derived from indigo cover crops? Harvey of Elfers says no answer available. Citrus Mag. 15(5):27. Jan.1953. 80 C498

23199 PAISLEY, K. Fertilisers for horticultural crops. 12. Manures for celery. Fert. Feed. Stuffs & Farm Supplies J. 38:784-785. Nov.26,1952. 57.8 F413

23200 PANTIUKHINA, L. A. Influence of different modes of nutrition upon the formation of economically valuable characteristics in seed potatoes. (In Russian.) Selek. i Semen. 19(10):60-64. Oct.1952. 61.9 Se5

23201 PEREZ GARCIA, M. La materia orgánica y el abonamiento orgánico en un programa de producción de alimentos. Rev. de Agr. P. R. 43:103-115. Jan./June 1952. 8 R325

23202 PIJLS, F. W. G., and BOON, J. VAN DER. A manurial investigation with apple, grape and tomato crops by application of the sample-spot method. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15: 674-693. Ref. Aug./Sept.1952. 86 N384
English summary.

23203 PLANT, W. The control of molybdenum deficiency in lettuce under field conditions. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:113-115. 1952. 84 B77

23204 POEY, F. Suelos y pastos. II. Rev. Ganad. [Habana] 12(12):9-10. Dec.1952. 49 R321

23205 POPAZOV, D. I. Forest vegetation conditions in the Astrakhan Region and creation of plantings of industrial importance. (In Russian.) Les i Step' 6:28-34. June 1952. 99.8 L565
Chiefly soils.

23206 POPOV, F. A., and DMITRENKO, P. A. Question concerning study of fertility of the black earth subsoil horizon of the Ukrainian SSR. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:45-56. Ref. 1951. 56.9 K52

23207 POPOV, F. A., and ARTAMONOV, S. P. Time for plowing under the layer of perennial grasses. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:117-133. Ref. 1951. 56.9 K52

23208 PRINCE, A. B. Residual effects of superphosphate on the growth of crimson clover as measured by yield and P32 uptake. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:43-46. 57.9 So84

23209 RABITSCH, J. Kalkstreuen leicht gemacht! Traktor 3:280. Nov.1952. 58.8 T677

23210 RADET, E. La fumure du colza. Sol 71:367-368. 1952. 14 So4

23211 RAO, W. V. B S., and GHOSH, A. B. Green manuring. Sci. & Cult. 18:170-173. Oct.1952. 475 Sci24

23212 RASMUSSEN, F. Grassland fertility levels in Denmark. Internatl. Grassland Conf. Abs. Papers 6(E):20-21. 1952. (Doc.5) 60.19 In86

23213 RENIER, A. Essais de comparaison d'engrais par la méthode statistique des blocs incomplets, au point de vue des rendements en poids. Inst. Expt. du Tabac. Ann. 1(3):139-149. May 1952. 69.9 B45

23214 RHIND, D., and TIN, U. Residual effects from superphosphate, basic slag and bonemeal on some paddy soils in Lower Burma. Trop. Agr. [Peradeniya] 108:102-107. Apr./June 1952. 26 T751

23215 RICEMAN, D. S. Minor element deficiencies and their correction. Internatl. Grassland Conf. Abs. Papers 6(E):22-23. 1952. (Doc.5) 60.19 In86

23216 RICH, C. I., BLASER, R. E., and OBENSHAIN, S. S. Utilization of fertilizer phosphorus applied as a top dressing on pasture and meadows. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:50-59. 57.9 So84

23217 RICHARDSON, H. L. The fertilizer needs and manuring of paddy rice in China. Internatl. Rice Comn. News Let. 3:9-10. Sept.10,1952. 59.9 In83N

23218 RIERA, A., and BONNET, J. A. The role of phosphorus in tropical crop production. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:40-42. 57.9 So84

23219 ROSE, T. H., and CAVELL, A. J. Growth response of young tomato plants to nitrogen phosphates and potash. Worcestershire Agr. Chron. 20:277,279,281,285, 287,289,291. Sept./Nov.1952. 10 W892

23220 SAMUELS, G., LANDRAU, P., JR., and CAPO, B. G. The response of sugarcane in Puerto Rico to various nitrogen sources. P. R. U. J. Agr. 36:230-239. July 1952. 8 P832J

23221 SAMUELS, G., and LANDRAU, P., JR. The response of sugarcane to fertilizers. I. The Arecibo cycle, 1944-1950. P. R. U. J. Agr. 36:203-229. July 1952. 8 P832J

23222 SAMUELS, G. Sugarcane and soil fertility. Sugar J. 15(7):16,19-20. Dec.1952. 65.8 Su391

23223 SAUGER, L. Réaction de différentes lignées d'arachide à une application d'engrais à doses croissantes. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:64-76. Sept.1952. 26 F84B

23224 SCHUFFELEN, A. C. The importance of tracers in manurial investigations. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:610-624. Ref. Aug./Sept.1952. 86 N384
English summary.

23225 ŠEFRÁNEK, B. Organic fertilizers in the travopol'nyi system. II. (In Czech.) Za Socialist. Zeměděl. 2:1181-1183. Oct.1952. 19.5 Z1

23226 SEIM, E. C. Anhydrous ammonia boosts crop yields. What's New Crops & Soils 5(4):14-16. Jan.1953. 6 W55

23227 SHALLOCK, D. A., and SKOGLEY, C. R. Nitrogen sprays on potatoes. Research [R. I. Sta.] 3:3,5. Summer 1952. 100 R34R

23228 SKUDERNA, A. W. Profitable use of commercial fertilizers. Crystal-ized Facts Sugar Beets 7:3-4. Jan.1953. 66.8 C88

23229 SMITH, A. M. Manures and fertilizers. London,Nelson,1952. 275 p. 57 Sm55

23230 SOLAROLI, V. Potassium fertilizers for fruit trees. (In Italian.) Agr. Ferrarese 56:41-42. Feb.29,1952. 16 Ag87

23231 STAEHLER, H. Erst düngung—dann maschinenkauf! Landwirt. Wchnbl. 142:1413-1414. Dec. 6,1952. 18 L2338
Germany.

23232 STAEHLER, H. Planung einer erfolgreichen grünlanddüngung im herbst. Grünland 1:73-75. Oct. 1952. 18 G922

23233 STAHL, E. Die nachwirkungen der leguminosen auf den hackfruchtbau. Landwirtbl. Weser-Ems 99: 1056-1058,1080-1082. (Cont.) Oct.16-23,1952. 18 L2345

23234 STEINMANN, F. Volldünger oder einzeldünger? Allgäuer Bauernbl. 20:602. Oct.30,1952. 18 AL53

23235 STELLY, M., and MORRIS, H. D. Cotton yield and phosphorus utilization in 1951 as affected by phosphorus fertilization and liming in 1949. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus.South. Region 1951:15-20. 57.9 So84

23236 STOLLER, B. B. Studies on the function of the casing for mushroom beds. II. MGA Bulletin 35: 321-326. Nov.1952. 80 M97

23237 STOLLER, B. B. Studies on the function of the casing for mushroom beds. III. The use and characteristics of peat as a casing for mushroom beds. MGA Bulletin 36:352-360. Dec.1952. 80 M97

23238 SVANBERG, O., and EKMAN, P. Analyse du sol et du fumier et besoins en engrais magnésiens. Acad. d'Agr. de France. Compt. Rend. 39:548-552. Oct.8/15,1952. 14 P215Bc

23239 TANCIK, R. Preiskava, gnojenje in apnovanje zemlje [Examination, fertilization and liming of soil]. Ljubljana,1951. 62 p. (Strokovna Knjižnica Kmečke Knjiga) 56.24 T152

23240 THOMPSON, F. C. Some observations on the nutrition and manuring of the hop plant in the light of recent work at Wye. Wye Col. Dept. Hop Res. Annu. Rpt. 1951:18-23. 1952. 70.9 W972

23241 TOURTE, R., and PELISSIER, J. Étude de l'influence des équilibres N. P. K. sur les rendements de l'arachide au Sénégal. France. Dir. de l'Agr., de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:37-44. Sept.1952. 26 F84B

23242 TOURTE, R. Préparation du sol et enfouissement de la végétation naturelle comme engrais vert, leur influence sur les rendements du mil [Pennisetum] au Sénégal. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:120-125. Sept.1952. 26 F84B

23243 TREGGI, G. Comparative action of sodium nitrate and calcium nitrate on Lupinus albus L. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1435-1440. 1952. 16 An76
English summary.

23244 TROFIMETS, V. N. Short-time sod formation in orchard soils. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:19-24. 1951. 106 Um1
Effect of grasses and legumes on growth and yields of fruit.

23245 TSCHUMI, E. Düngung und unkrautbekämpfung auf Alpweiden. Grüne 80:1358-1359. Dec.12,1952. 17 Sch9
Summarized by W. Zwingli.

23246 TURNBULL, J. Management of grass orchards. Grower [London] 38:1244,1248-1249. Dec.20, 1952. 286.83 M34

23247 ULRICH, A. Fertilizer requirements of vineyards. Wines & Vines 33(12):21-22. Dec.1952. 95.8 C122

23248 U. S. REGIONAL SALINITY AND RUBIDOUX LABORATORIES. List of publications. Riverside,Calif., 1952. 11 p. 1.965 A2L693

23249 VAIDYANATHAN, L. V., KUPPUSWAMY, S. V. and CHOKKANNA, N. G. Green manures and coffee. Indian Coffee 16:170-172. Sept.1952. 68.29 In23M

23250 VALLANCE, L. G. Fertilizing and other soil practices. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:50-52. Oct.1,1952. 65.9 Q3C

23251 VAN GARDEREN, J., BREVIS, J. G., and TAYLOR, A. J. Fertilizer experiments in Natal (1933-1950). Union So. Africa. Dept. Agr. Sci. B. 336,38 p. 1952. 24 So84S

23252 VASCONCELOS, D. DE M. Time of application of Chile saltpeter in the culture of sugarcane. (In Portuguese.) Bras. Açucareiro 40:92-99. July 1952. 65.8 B73

23253 VERGNAUD, H. Revenons sur la chaux des engrais. Agr. Prat. 116:500-501. Oct.1952. 14 J82

23254 VERONA, O., and BENVENUTI, A. Influence of sodium on the development of the potato. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1441-1446. 1952. 16 An76
English summary.

23255 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRONOMY DEPT. For top pastures, top-dress. Va. Agr. Col. Ext. C. 533,rev.,6 p.-folder. Nov.1952. 275.29 V81C

23256 VOLK, G. M., and GAMMON, N. Effect of liming and fertilization on yield and the correction of nutritional leaf roll of Irish potatoes. Fla. Agr. Expt. Sta. B. 504,15 p. Oct.1952. 100 F66S

23257 VYSHINSKIĬ, A. M. Stebnik and Kalushin potassium salts as fertilizers for agricultural crops of wooded districts and forest steppes in the Ukrainian SSR. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:148-171. Ref. 1951. 56.9 K52

23258 WANG, S. C. Fertilizers for sugar cane. Taiwan Sugar Corp. TSC News Let. 12:1-3. Feb.20,1952. 65.9 T13

23259 WATSON, E. F. Green crop manuring. Farmer [Bridgewater] 7:32,34. Autumn 1952. 10 F2282

23260 WESTERHOF, J. J., and others. De bemesting op geïnundeerde gronden. Manuring on inundated soils. Netherlands. Dir. van de Landb. Verslagen van Landbk. Onderz. 57(19),62 p. Ref. 1951. 105.2 V61V
C. W. C. Van Beekom, J. Prummel, and F. van der Paauw, joint authors.
English summary.

23261 WILLARD, C. J. Fertilizing and mulching for new grassland seedlings. Internatl. Grassland Conf. Abs. Papers 6(E):29-30. 1952. (Doc.5) 60.19 In86

23262 WILLIAMS, T. E. Nitrogen manuring and the grass-legume ratio. Internatl. Grassland Conf. Abs. Papers 6(E):31-32. 1952. (Doc.5) 60.19 In86

23263 WISE, L. N. Utilization of fertilizer phosphorus applied as a top dressing to permanent pastures and meadows. South. Soil Res. Comt. Phosphorus Subcomt. Sum. Field & Greenhouse Expt. Radiophosphorus. South. Region 1951:21-24. 57.9 So84

23264 WISE, L. N. Yield of legume seed increased by using borax. Miss. Farm Res. [Miss. Sta.] 15(10):1,4. Oct.1952. 100 M69Mi

23265 WLASJUK, P. A., and SIROTSCHENKO, I. A. Der einfluss der düngung auf die zuckerrübenerträge. Ernähr. der Pflanze 1:38-45. Oct.1952. 57.8 Er62
English summary.

23266 WOLTZ, W. G. Tobacco fertilizers. N. C. Dept. Agr. B. 128:19-20. Oct.1952. 2 N81B

23267 WOOD, J. R., BURLESON, C. A., and COOK, E. D. Green manure crops at Kirbyville and Cleveland, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1496,2 p. Sept. 25,1952. 100 T31P

23268 WOODLE, H. A., and TURNER, E. C. Lime for South Carolina soils. Clemson Agr. Col. S. C. Ext. C. 378,15 p. Sept.1952. 275.29 So8E

23269 ZAKHARCHENKO, I. G. Experiments in increasing the effectiveness of acid mineral fertilizers upon the powerful black soils of the forest steppes of the Ukrainian SSR through neutralization. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6: 172-181. Ref. 1951. 56.9 K52

23270 ZIESENHENNE, R. Begonia soil. Begonian 19:272-273. Dec.1952. 96.511 B39

23271 ZITO, F. Need for fertilizing. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(102):9-10. Dec.6, 1952. 281.8 Ag3

Soil Tilth and Tillage

23272 ATWOOD, H. Mulching practices for cacti and succulents. Cactus & Succulent J. 24:186-187. Nov./Dec. 1952. 451 C11

23273 BAIKO, V. P. Cultivation of plowed fallows and planting of screening plants [sunflower and corn]. (In Russian.) Kolkhoz. Proizvodstvo 12(7):56-57. July 1952. 281.8 K83

23274 BREZINA, R. Herbstliche bodenbearbeitung. Gart.-Z. Illus. Flora 75:124-125. Nov.1952. 80 G1991

23275 CHILWELL, J. Stone mulches increase productivity of soil. Farmer's Wk. [Bloemfontein] 84:41. Nov.5,1952. 24 F225

23276 DECOUX, Sur la méthode de préparation superficielle du sol en vue des semis betteraviers précoces. Acad. d'Agr. de France. Compt. Rend. 39:557-561. Oct.8/15,1952. 14 P215Bc

23277 FEUERLEIN, W. Warum wettpflügen? Deut. Landwirt.-Gesell. Mitt. 67:804-805. Oct.30,1952. 18 N39

23278 FILIMONOV, N. N. Once more about the main factors of tractor work. (In Russian.) Les i Step' 4(8): 44-45. Aug.1952. 99.8 L565
Tillage.

23279 GUGUNADZE, S. M. Spring plowing of frozen ground for corn and sugar beets under non-irrigated conditions in Zemo-Kartli. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Polevod. Trudy 6:35-48. Ref. 1951. 64.9 Ak12
Russian summary.

23280 JAUREGUI, J. S. La acción del arado y conservación de suelos. Agrario 17(3):11-12,14, (4): 28-30. (Concl.) 1952. 9.3 Ag85

23281 JOUIS, E., and DUFORT, P. Deux expériences de sous-solage pour betteraves sucrières en terre de limon du Pays de Caux. Acad. d'Agr. de France. Compt. Rend. 39:604-608. Oct.22/29,1952. 14 P215Bc

23282 KOVACHEV, D., and ENIKOV, K. Na borba za dulboka kulturna oran [Deep plowing]. Sofiia,Zemizdat, 1951. 35 p. 53 K84

23283 MARTÍNEZ, M. B., and LUGO-LÓPEZ, M. A. Tillage tests. I. Effect of subsoiling and mole drainage upon the minimum infiltration capacity of a heavy clay-pan soil of the Tropics. P. R. U. J. Agr. 36:179-185. Apr.1952. 8 P832J

23284 MAURER, K. J. Bodenbedeckung durch verschiedene arten des mulchens. Hess. Obstbau 7:53-54. Apr.1952. 80 G1932

23285 MOSTI, A. Soil tillage. (In Italian.) Spezia Agr. 7(11):3. (Cont.) Nov.1,1952. 16 Sp3

23286 NIESCHLAG, F. Wie halten wir es mit der winterfurche? Landwirtbl. Weser-Ems 99:1152-1154. Nov.13,1952. 18 L2345

23287 PUZIĬ, IÂ. S. Furrow-ridge plowing and its use. Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:24-26. July 1952. 20 D742
In Russian.

23288 RADUMILO, V. Fall deep plowing—the most efficient measure against drought. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):1-2. Sept.1952. 21.5 V87

23289 SINGH, K. Effects of soil cultivation on the growth and yield of winter wheat. V. J. Sci. Food & Agr. 3:570-579. Ref. Dec.1952. 382 So12

23290 SKRIPKA, P., and ONISHCHUK, S. Deep plowing of the cotton field. (In Russian.) Khlopkovodstvo 8: 29-36. Aug.1952. 72.8 K522

23291 TELLIEZ, J. Un facteur d'amélioration de premier ordre: le sous-solage. Tarn-et-Garonne Agr. 15:165-166. Oct.1952. 14 T17

23292 TORSTENSSON, G. Fall plowing. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12:101-106. 1952. 11 K12

23293 ZUBIETIAN, P. A. Utilization of hardpan soils in gravel-stone areas for vineyards in Armenia. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):35-37. Aug.1952. 95.8 V77

Drainage, Irrigation, Water Supply, and Flood Control

23294 ABIET, P. Etude et réalisation des installations d'arrosage par aspersion. Génie Rur. 45:359-363. Dec.1952. 58.8 Au8

23295 ANNETT, H. E., and ELLIOTT, I. L. Spray irrigation of pastures. Ruakura Farmers' Conf. Week. Proc. 1951:70-78. 49.9 R82
Includes discussion.

23296 ARBOUR, M. B. A new idea demonstrated. Ext. Serv. Rev. 23:197,202. Nov.1952. 1 Ex892Ex
Cotton irrigation in Louisiana.

23297 BAKER, C. B. The economics of irrigated pasture. Internatl. Grassland Conf. Abs. Papers 6(B): 3-4. 1952. (Doc.5) 60.19 In86

23298 BARKER, J. R. Easier irrigation with canvas and plastic dams. Utah. State Agr. Col. Ext. Fact Sheet 16,2 p. Aug.1952. 275.29 Ut1F

23299 BATEMAN, G. Q., and KELLER, W. Irrigated pastures in arid regions. Internatl. Grassland Conf. Abs. Papers 6(B):5. 1952. (Doc.5) 60.19 In86

23300 BITIUKOV, K. K. Experiment in pre-planting irrigation of winter wheat under conditions of the steppe districts in Ukrainian SSR. (In Russian.) Gidrotekh. i Melior. 4(7):19-27. Ref. July 1952. 290.8 G362

23301 BLASS, L. Trickle irrigation; more about constant feeding. Nurseryman & Seedsman 115:1106-1107. Nov.6,1952. 80 N933
Tomato culture.

23302 BOCHAROV, P. I. Trench diggers for cutting temporary irrigation systems under conditions of the Volga area. (In Russian.) Gidrotekh. i Melior. 4(9):48-58 Sept.1952. 290.8 G362

23303 BRANNAN, C. F. Till taught by pain. Assoc. Land-Grant Col. & U. Proc. 65:52-61. 1951. 4 As7
Water conservation problems.

23304 BRENNER. Grabenfräse völkenrode - ein ERP-forschungsauftrag. Landbforsch. Völkenrode 2:32-34. Apr.1952. 18 L2353

23305 BREZHNEV, D. D. Tomato varieties for vegetable culture in irrigated regions. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:5-12. 1951. 451 R92

23306 BROWN, C. B. The challenge of water conservation in Texas. Washington,U. S. Soil Conserv. Serv., 1952. 7 p. 1.96 Ad6Br
Paper at annual convention of the Texas Water Conservation Association, Mineral Wells, Texas, Oct. 12-14, 1952.

23307 BROWN, C. B. Community watershed planning. Washington,U. S. Soil Conserv. Serv.,1952. 10 p. 1.96 Ad6Br
Paper at Pocono Manor, Pa., before the Inter-State Commission on the Delaware River, Sept. 29-30, 1952.

23308 BURLEIGH, H. P. It can happen in Texas. Reclam. Era 38:286-289. Dec.1952. 156.84 R24
Floods and their control.

23309 BUSCA, M. The Cavour canals. (In Italian.) Riso 1(9):5-8. Oct.1952. 59.8 R49

23310 BUSHIN, P. M. Irrigation of grapes in Uzbekistan. (In Russian.) Vinodel. i Vinograd. SSSR 12(7):30-33. July 1952. 95.8 V77

23311 CALIFORNIA. DEPT. OF PUBLIC WORKS. DIV. OF WATER RESOURCES. Views and recommendations of State of California on proposed report of the Secretary of Interior on North Fork Kings Unit, Kings River Division, Central Valley Project (ultimate plan) California (Project planning report, no. 2-4.23-5); review of Federal reports pursuant to Public law 534, 78th Congress, 2nd session. Sacramento,1952. various pagings. 290 C1283V

23312 CARVALHO, D. DE, and CAMARGO, F. C. DE. Aproveitamento das várzeas de Amazonia para produção intensiva de alimentos [Utilization of the Amazon plains for intensive food production]. n.p.,1952. 18 p. 54 C25

23313 CODE, W. E. Use and design of sprinkler systems in Colorado. (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 45. Oct.1952. 500 C717

23314 COMEL, A. Pioneers of irrigation in Gorizio. (In Italian.) Ist. Chim.-Agr. Sper. Nuovi Ann. 3:115-130. 1952. 105.4 G67

23315 COVELL, P. Oases in the American desert. Co-op Grain Q. 10(4):57-60. Dec.1952. 280.28 C7898
California.

23316 DIERCKS, L. D. Controlled irrigations on War Service Land Settlement areas. So. Austral. Dept. Agr. J. 56:163-178. Nov.1952. 23 So84

23317 DITTRICH, J. Zur natürlichen entwässerung der moore. Wasser u. Boden 4:286,288. Sept.1952. 56.8 W28

23318 DUPONT, L. Les problèmes de l'irrigation en Algérie. Soc. des Agr. d'Algérie. B. 96(566):196-208. 1952 24 So1

23319 DUVALL, R. Hi-Hope's automatic man. West. Livestock J. 30(64):51,100-102. Nov.15,1952. 6 F2278
Sprinkler irrigation system on a California ranch.

23320 ENTE PER LO SVILUPPO DELLA IRRIGAZIONE E LA TRASFORMAZIONE FONDIARIA IN PUGLIA E LUCANIA. Opere irrigue nel bacino dell'-Ofanto (Prov. di Potenza, Foggia, Bari) [Irrigation operations in the Ofanto River Basin (Provinces of Potenza, Foggia, Bari)]. Laterza,1951. folder. 55 En82

23321 ERASMUS, J. C. Sweet sorghums or maize as silage crop under irrigation. Farming So. Africa 27:475, 479. Oct.1952. 24 So842

23322 FARBER, M. Cálculo de instalaciones de bombeo. Agrotecnia 7:30-32. Sept./Oct.1952. 8 Ag825
For irrigation.

23323 FARBER, M. Canales y acequías para riego. Rev. Ganad. [Habana] 13:46-47. Jan.1953. 49 R321

23324 FEIX, E. Das graben von rohrentwässerungen. Bauer 5(39):9-11. Nov.8,1952. 19 B32
Austria.

23325 FELTING, J. Overhead irrigation: another California first! Packer 59(7,sup):12-16. Jan.17,1953. 286.8 N483

23326 FIGUEIRA, A. A. DOS R. The problem of water in agriculture. (In Portuguese.) Gaz. do Agr. 4: 208-209. Aug.1952. 24 G25
Chiefly irrigation in Mozambique.

23327 FIZA-UR-REHMAN. Our irrigation system. Pakistan Econ. & Com. 1:621-623. (Cont.) Oct.1952. 280.8 P175
Pakistan.

23328 GARBOUA, M. Importance du drainage en Egypte. Égypte Agr. 50:161-168. Sept./Oct.1952. 24 Un32

23329 GILDEN, R. O., and WOODWARD, G. O. Low-cost irrigation structures. Wash. State Col. Ext. B. 469, 16 p. Sept.1952. 275.29 W27P

23330 GORDON, A. On the irrigation of sugarcane. Sugar News [Manila] 28:470-473. Oct.1952. 65.8 Su36

23331 GORRIE, R. M. Drainage basin management. Trop. Agr. [Peradeniya] 108:87-93. Apr./June 1952. 26 T751

23332 GRANDE COVIAN, R. Rescate de terrenos marinos en Holanda (impresiones de un viaje). Spain. Inst. Nac. de Colon. I. N. C. P. (ser.2)22,84 p. Ref. 1952. 280.9 Sp1I

23333 GREEN, R. J. They doctor a district's canals. Excavating Engin. 47:14-20. Jan.1953. 290.8 Ex2
Maintenance of the Tulare Irrigation District canals.

23334 GURCHENKO, V. S. Best varieties of summer wheat under irrigation in Siberia. (In Russian.) Selek. i Semen. 19(10):14-19. Oct.1952. 61.9 Se5

23335 HARRIS, L. E. They put their money into our land. Farmers Wk. [London] 37(26):34-36. Dec.24,1952. 10 F2226
Drainage of the Fenland of England financed by private capital resources of the Dutch.

23336 HOPE, C. R. High dams, low dams, watershed planning. No. Amer. Wildlife Conf. Trans. 17:55-61. 1952. 412.9 N814

23337 HUDSON, A. W. Drainage of wet lands. Straight Furrow 11(12):32-33. Oct.1,1952. 281.8 St8

23338 JARVIS, M. W., and GOUDIE, A. G. Drainage of Shepparton "drift" soils. Victoria. Dept. Agr. J. 50: 413-414. Sept.1952. 23 V66J

23339 JENSEN, M. C., and CRIDDLE, W. D. Estimated irrigation water requirements for Idaho. Idaho. Agr. Expt. Sta. B. 291,23 p. Nov.1952. 100 Id1

23340 JONES, L. A. Farm drainage. U. S. D. A. Farmers' B. 2046,37 p. Oct.1952. 1 Ag84F
Supersedes Farmers' Bulletin 1606.

23341 JULÉN, G. Some aspects on irrigation of grassland in humid regions and the use of sewage water for this purpose. Internatl. Grassland Conf. Abs. Papers 6(B):19-20. 1952. (Doc.5) 60.19 In86

23342 KOSTIAKOV, A. The Volga-Don Canal and its importance for the development of agriculture. (In Russian.) Kolkhoz. Proizvodstvo 12(7):3-6. July 1952. 281.8 K83

23343 KOSTIAKOV, A. N. Achievements of the science of reclamation—in the service of the great projects of communism. Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:53-59. July 1952. 20 D742
In Russian.
Irrigation chiefly.

23344 KOSTIN, I. S. Better utilization of a reservoir for irrigation. (In Russian.) Les i Step' 4(9):45-48. Sept.1952. 99.8 L565

23345 KOZLOVSKII, N. Trench digger of the D-267 trademark for construction of distributing canals. (In Russian.) Khlopkovodstvo 8:70-73. Aug.1952. 72.8 K522
Irrigation.

23346 KUČPARIĆ, S. M. Watering of fruit trees. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13): 11-14. Sept.1952. 21.5 V87

23347 KUSKOV, D., and LAKTAEV, N. Experiment in water utilization on a consolidated farm under the new system of irrigation. (In Russian.) Khlopkovodstvo 8:62-69. Aug.1952. 72.8 K522
Cotton.

23348 LANDSTROM, K. S. Water policy on range and forest lands. J. Farm Econ. 34:747-750. Dec.1952. 280.8 J822

23349 LARSEN, D. In canal breaks—speed's the thing. Reclam. Era 39:7-9. Jan.1953. 156.84 R24
Main canal of an irrigation project.

23350 LATEEF, N. A. An irrigation survey of the Middle East. Urbana,Ill.,U. Ill.,1952. 139 p. 55 L34

23351 LEE, J. K. Irrigation policy for arid lands. J. Farm Econ. 34:751-755. Dec.1952. 280.8 J822

23352 LESIK, F. L. Irrigation of fields increases the nectar content of [honey] plants. (In Russian.) Pchelovodstvo 29(9):39-41. Sept.1952. 424.8 P295

23353 LIPATOV, K. G. Conference on problems in utilization of the irrigated lands. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:77-79. July 1952. 20 D742
In Russian.

23354 LONG, B. E. Cultivo de la caña en plantaciones irrigadas en Hawaii. Agrotecnia 7:17-22. Sept./Oct.1952. 8 Ag825

23355 LOVATO, P. Water brings hope to Sunshine Valley [New Mexico]. Soil Conserv. 18:164-166. Feb. 1953. 1.6 So3S
Underground water for irrigation.

23356 LYON, A. V. Irrigation water: rate and extent of penetration affected by soil characteristics. Citrus News 27:139,146. Oct.1952. 80 C494
Australia.

23357 MCKINNEY, J. K. Our water diversion; II. Mid-State wants priority guarantee. Nebr. Farmer 94(24): 7,24. Dec.20,1952. 6 N27

23358 MCMULLIN, R. Watersheds and brush. (Excerpts.) Ariz. Cattlelog 7(11):4-6. July 1952. 43.8 Ar42

23359 MALAN, W. D. New dam brings new life. (In Afrikaans.) Landbouweekblad 34(1734):27-28. Oct. 8,1952. 24 L232
Irrigation in the Union of South Africa.

23360 MARCHAND, J. D. L'irrigation dans la culture du tabac jaune au Québec. Rev. d'Oka 26:129-141, Ref. Sept./Oct.1952. 7 Ok1

23361 MEHLS, K. F. H. Neuzeitliche wasseraufbereitung für gartenbaubetriebe. I. Tech. f. Bauern u. Gärt. Ausg. G 4:465-466. Oct.25,1952. 58.8 T223G

23362 MEHLS, K. F. H. Neuzeitliche wasseraufbereitung für gartenbaubetriebe. II. Tech. f. Bauern u. Gärt. Ausg. G 4:492-493. Nov.10,1952. 58.8 T223G

23363 MEXICO. SECRETARIA DE RECURSOS HIDRAULICOS. Informe de labores del 1°de septiembre de 1952 al 31 de agosto de 1952. n.p.,1952. 542 p. 292.9 M57
Includes irrigation.

23364 MIDDLETON, J. E. Water management. Ariz. Agr. Col. Ext. C. 205,27 p. Oct.1952. 275.29 Ar42
Irrigation water.

23365 MORGAN, A. Irrigated lucerne in Victoria. Victoria. Dept. Agr. J. 50:433-440. (Cont.) Oct.1952. 23 V66J

23366 NETHERLANDS. DIRECTIE DER WIERINGERMEER. NOORDOOSTPOLDERWERKEN. Tien jaren Noordoostpolder [Ten years in the Northeast polder]. Zwolle,1952. 121 p. 54.9 N38

23367 NIKIFOROV, I. P. Irrigation on kolkhozes of the Voronezh Region. (In Russian.) Les i Step' 4(8):46-49. Aug.1952. 99.8 L565

23368 NORDENSKJOLK, VON. Neuzeitliche moorkultivierung. Traktor 3:276-277. Nov.1952. 58.8 T677

23369 OLIVEIRA E SOUSA, E. S. D'. The drying out of soil by means of drainage. (In Portuguese.) Inst. Super. de Agron. An. 18:171-287. Ref. 1951. 105.7 L682

23370 OPPENHEIMER. L'irrigation rationnelle et les méthodes biologiques d'appréciation du besoin d'eau des plantes. Élevage et Cult. 4(47):11-12. Nov. 1952. 24 EL2

23371 PASINI, B. Overhead irrigation in the Province of Ferrara. (In Italian.) Agr. Ferrarese 55:278-279. Dec.31,1952. 16 Ag87

23372 PELÏAKH, M. A., and ARZUMANOV, SH. M. Technique for irrigation of vineyards. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):37-38. Aug.1952. 95.8 V77

23373 PENN, R. J. Water policy in humid areas. J. Farm Econ. 34:756-758. Dec.1952. 280.8 J822

23374 PETERSON, M. L., and HAGAN, R. M. Irrigation principles and practices for pastures. Internatl. Grassland Conf. Abs. Papers 6(B):24-25. 1952. (Doc.5) 60.19 In86

23375 PETITPIERRE, A. Hydraulique agricole; les irrigations dans la Basse-Vallée de la Medjerda. Colon Franç. de Tunisie (ser.7)45(2247):1-2. Nov.8, 1952. 24 C712

23376 PETROV, E. G., and CHERNYKH, A. A. Irrigation of shelterbelts. (In Russian.) Gidrotekh. i Melior. 4(7):28-36. July 1952. 290.8 G362

23377 PETROV, K. M. Results of achievements in construction of the irrigation system in Rostov Region. (In Russian.) Gidrotekh. i Melior. 4(9):3-15. Sept.1952. 290.8 G362

23378 PIJLS, F. W. G. Control of the water-supply in the United States of America. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:595-609. Aug./Sept. 1952. 86 N384
English summary.
Chiefly irrigation.

23379 POPOVA, V. fA. Calculation of water expenditures during irrigation. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:71-75. June 1952. 20 D742

23380 REEDY, J. Land from the water. Essex Farmers' J. 31(9):25,27. Nov.1952. 10 Es72
Land reclamation in Holland.

23381 RYAN, M. Field drainage. Beet Grower 6:159-160. Oct.1952. 66.8 B392

23382 SABO, E. fÛ. On additional moisture for the forest plantings in the district of Yergeni Hills. (In Russian.) Lesn. Khoz. 5(6):27-29. June 1952. 99.8 L5622
Irrigation system.

23383 SCHÄFERS. Die künstliche beregnung—ein entscheidendes mittel zur ertragssteigerung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2034-2035. Dec.11, 1952. 18 L2346

23384 SCHMALZBAUER, H. Die künstliche bewässerung. L und E 5(7):12-13. July 1952. 389.8 Z34
Austria.

23385 SCHNITTGER, H. G. Drainagemaschinen für moore. Wasser u. Boden 4:284-285. Sept.1952. 56.8 W28

23386 SCHOFIELD, R. K. Control of grassland irrigation based on weather data. Internatl. Grassland Conf. Abs. Papers 6(E):24. 1952. (Doc.5) 60.19 In86

23387 SCHWARZ, K. Zur verbesserung des genossenschaftlichen bewässerungsbetriebes in der DDR. Deut. Landwirt. 3:659-663. Dec.1952. 18 D4822

23388 SERPIERI, A. Reclamation in the South. (In Italian.) Cassa per îl Mezzogiorno. Not. 1(6):8-9. June 1952. 280.8 N82
Italy.

23389 SHAROV, I. A. Volga-Don [Canal]—for agriculture. (In Russian.) Gidrotekh. Stroitel'stvo 21(7):8-13. July 1952. 290.8 G36

23390 SHINER, E. Panhandle farmers are asking about irrigation this year—will it pay a profit? Farmer-Stockman 55(12):11,39. Dec.1952. 6 Ok45

23391 SOKOLOV, A. I. A movable siphon water outlet for a temporary irrigation system. (In Russian.) Gidrotekh. i Melior. 4(7):37-42. July 1952. 290.8 G362

23392 SUKHAREV, I. Irrigation of agricultural crops. (In Russian.) Kolkhoz. Proizvodstvo 12(7):53-55. July 1952. 281.8 K83

23393 SUTTON, J. G. Maintaining drainage systems. U. S. D. A. Farmers' B. 2047,30 p. Oct.1952. 1 Ag84F

23394 TEAGARDEN, C. Water management the American way. Amer. Coop. 24:712-714. 1952. 280.29 Am3A

23395 TRUMBLE, H. C., and WALKER, A. J. K. The use of supplementary irrigation for pasture production in humid areas. Internatl. Grassland Conf. Abs. Papers 6(B):32-33. 1952. (Doc.5) 60.19 In86

23396 TRUMBLE, H. P. C. Improved irrigation programmes for citrus. So. Austral. Dept. Agr. J. 56: 133-139. Oct.1952. 23 So84

23397 TSAREVSKIÏ, A. M. From the results of scientific research work in reclamation [by the All-Union Scientific Research Institute of Hydraulic Engineering and Reclamation] and their introduction into production. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:64-71. Aug.1952. 20 D742

23398 TSATSENKIN, I. A. Estuary irrigation of meadows and pastures to be expanded in every way; preparations for estuary irrigation should begin in the fall . (In Russian.) Kormovaîa Baza 3(8):24-27. Aug. 1952. 60.8 K84

23399 TSATSENKIN, I. A. Making use of experience in proper irrigation of meadows in mountain areas. (In Russian.) Kormovafa Baza 3(9):16-17. Sept.1952. 60.8 K84

23400 TSYSHEVSKII, V. K. To complete successfully the work on reconstruction of the irrigation system in 1952 in connection with changing over to the new system of irrigation. (In Russian.) Gidrotekh. i Melior. 4(9):16-20. Sept.1952. 290.8 G362

23401 UHDEN, O. Notwendigkeit und grenzen der wasserwirtschaft in einem kulturlande. Wasser u. Boden 4:257-260,262-263. (Cont.) Sept.1952. 56.8 W28

23402 U. S. BUR. OF RECLAMATION. Cachuma project in California, Santa Barbara County. Washington?1952. 7 p. 156.85 C11

23403 U. S. BUR. OF RECLAMATION. Missouri River basin, Keyhole Unit, in Wyoming, Crook County. Washington?1952. 5 p. 156.85 M69

23404 U. S. BUR. OF RECLAMATION. ENGINEERING CENTER. Linings for irrigation on canals with emphasis on lower-cost methods for seepage control. Denver,Off. Chief Engineer,1952. 121 p. 156.85 L64

23405 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Pecos River watershed, New Mexico and Texas; letter from Assistant Secretary of Agriculture transmitting a survey report dated July 1950, of the Pecos River watershed in New Mexico and Texas, made under the provisions of the Flood Control Act approved June 22, 1936, as amended and supplemented. 82d Cong., 2d sess., House. Doc. 475,29 p. 1952. 1 Ag86Pe

23406 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Scioto River watershed, Ohio; letter from Secretary of Agriculture transmitting a survey report, dated October 1950, together with accompanying papers and illustrations of the Scioto River watershed in Ohio, made under the provisions of the Flood Control Act, approved June 22, 1936, as amended and supplemented. 82d Cong., 2d sess., House. Doc. 409,26 p. 1952. 1 Ag86Sc

23407 U. S. MISSISSIPPI RIVER COMMISSION. Flood control and navigation maps of the Mississippi River, Cairo, Illinois, to the Gulf of Mexico, Louisiana. Ed. 20. Vicksburg,Miss.,1952. 62 maps. 152.61 F65

23408 U. S. SOIL CONSERVATION SERV. Summary, runoff and waterflow retardation and soil erosion prevention; flood control operations in authorized watersheds, cumulative to June 30, 1952. Washington,1952. 8 p. 1.96 Ad6Sr

23409 U. S. WEATHER BUR. HYDROLOGIC SERV. DIV. Kansas-Missouri floods of June-July 1951. Kansas City,Mo.,1952. 105 p. (U. S. Weather Bureau. Technical Paper 17) 157.991 K13

23410 VERNER, A. R. Initial tillage of soil in utilizing the Baraba swamps. (In Russian.) Kormovafa Baza 3(8):55-57. Aug.1952. 60.8 K84

23411 VICTORIA, AUSTRALIA. RIVERS AND WATER SUPPLY COMMISSION. Some aspects of irrigation in western U.S.A. Report of visit to U.S.A. July-October, 1951, by A. L. Tisdall. Melbourne,1952. 121 p. 55 V662S

23412 VON ABRAMS, G. J. The soil-water-root relationship. Amer. Rose Mag. 10(12):19-23. Dec. 1952. 80 Am327A

23413 WARNER, U. H. Altus farmers speak up. 3. Southall and Kelley. Reclam. Era 38:290-291. Dec.1952. 156.84 R24
Irrigated pastures.

23414 WATKINS, R. Reclamation on an upland Radnorshire farm. Gt. Brit. Min. Agr. Agriculture 59:410-415. Dec.1952. 10 G79J

23415 WILKINSON, G. How a Tucumcari farmer makes a profit on his sprinkler irrigated pasture. Reclam. Era 38:282-283. Dec.1952. 156.84 R24

23416 WILSON, W. A. Sound water conservation program outlined; great possibilities in East Texas for irrigation and ample water storage. East Tex. 27(3):8,11, 14. Dec.1952. 6 Ea73

23417 WITTE, K. Pralldüsen für gewächshausberegnung. Tech. f. Bauern u. Gärt. Ausg. G 4:513-515. (Cont.) Nov.25,1952. 58.8 T223G

Erosion and Erosion Control

23418 ALEKSANDROV, N., and ZAVALISHIN, F. Making of earth mounds on the slopes for retention of runoff. (In Russian.) Kolkhoz. Proizvodstvo 12(7):52-53. July 1952. 281.8 K83

23419 ARMSTRONG, J. Strips are saving soil. Idaho Farmer 70:927,956. Dec.4,1952. 6 G282

23420 AVERETTE, H. B., and LITTLETON, J. L. One small watershed and the Izaak Walton League. Soil Conserv. 18:101-102. Dec.1952. 1.6 So3S
Soil and water conservation in the Little River watershed in Virginia.

23421 BAKER, R. M. South Australia: soil conservation and the wheat industry. Wheat Bd. Gaz. 4(5):1-2. Sept.1952. 59.8 W56

23422 BENNETT, H. H. They're wrecking soil conservation. Country Gent. 122(12):21,52,56. Dec.1952. 6 C833

23423 BORODOVITSYN, I. I. Growing a sod cover on side terrace outlets. (In Russian.) Gidrotekh. i Melior. 4(9):68-72. Sept.1952. 290.8 G362
Grass and legume mixtures for soil conservation.

23424 BRAMLEY, W. A plan to save South Africa's soil; suggested mobilisation of the Nation to provide an all-the-year-round land-service army. Farmer's Wk. [Bloemfontein] 84:12-13,15,17. Nov.5,1952. 24 F225
Soil erosion control.

23425 CALIFORNIA. LEGISLATURE. JOINT COMMITTEE ON SOIL CONSERVATION. Preliminary report to the Legislature, 1952 regular session on soil conservation in California pursuant to Chapter 222, Statutes of 1951. Sacramento,Senate,Calif. Legislature,1952. 36 p. 56.7 C123P

23426 CAMERON, D. G. Studies in soil conservation at Cowra Research Station, 1941-51. N. S. Wales. Soil Conserv. Serv. J. 8:158-168. Oct.1952. 56.9 N472

23427 CAMPBELL, D. A. The use of grass in the conservation program of New Zealand. Internatl. Grassland Conf. Abs. Papers 6(G):9. 1952. (Doc.5) 60.19 In86
Discussion by A. W. Zingg, p.43-44.

23428 CAMPBELL, H. E. South Africa fights soil erosion. Foreign Trade 13(316):11-13. Jan.17,1953. 286.8 C162

23429 CHALLOT, M. Les problèmes de la défense et de la restauration des sols au Maroc. Schweiz. Z. f. Forstw. 103:447-455. Nov.1952. 99.8 J82

23430 DARLEY, W. E. Wind action in relation to erosion. N. S. Wales. Soil Conserv. Serv. J. 8:169-180. Oct.1952. 56.9 N472

23431 DELOYE, M., and REBOUR, H. La conservation de la fertilité des sols. Alger,1952? 119 p. (Collection des Techniques Agricoles Méditerranéenes) 56.7 D38

23432 DOANE, D. H. The farmer's use of grass in erosion control. Internatl. Grassland Conf. Abs. Papers 6(G):11. 1952. (Doc.5) 60.19 In86
Discussion by R. W. Stout, p.40-41.

23433 DRAKE, J. M., JR. Oklahoma's water erosion problems. Sowest. Crop & Stock 6(11):14-15. Nov.1952. 6 So8942

23434 DULEY, F. L. Relationship between surface cover and water penetration, runoff and soil losses. Internatl. Grassland Conf. Abs. Papers 6(G):13. 1952. (Doc.5) 60.19 In86

23435 EKERN, P. C. Problems of raindrop impact erosion. Agr. Engin. 34:23-25,28. Ref. Jan.1953. 58.8 Ag83

23436 ELLISON, W. D. Grass cover reduces splash erosion damages. Internatl. Grassland Conf. Abs. Papers 6(G):14-15. 1952. (Doc.5) 60.19 In86

23437 FLORY, E. L. Effect of soil conservation practices, water spreading, and water impounding on water yields and sediment in semi-arid areas. Internatl. Grassland Conf. Abs. Papers 6(G):16-17. 1952. (Doc.5) 60.19 In86
Discussion by F. Bisal p.3-4.

23438 FREY, J. C. Some obstacles to soil erosion control in western Iowa. Iowa. Agr. Expt. Sta. Res. B. 391:941-1007. Oct.1952. 100 Io9

23439 GALE, J. F. Show them how to make money. Natl. Fert. Rev. 27:7-10. Oct./Dec.1952. 57.8 F414
Conservation farming encouraged by banks.

23440 GEE, C. W. The Muellers conserve soil. Better Crops Plant Food 36(10):15-16,44-46. Dec.1952. 6 B46

23441 GEE, C. W. The soil that went to town. U. S. D. A. Agr. Inform. B. 95,20 p. Nov.1952. 1 Ag84Ab
Soil and water conservation.

23442 GEGENWART, W. Die ergiebigen stark- und dauerregen im Rhein-Main-Gebiet und die gefährdung der landwirtschaftlichen nutzflächen durch die bodenzerstörung. Rhein-Mainische Forsch. 36,52 p. Ref. 1952. 278.8 R34

23443 GORRIE, R. M. The Soil Conservation Act, No. 25 of 1951. Trop. Agr. [Peradeniya] 108:82-86. Apr./June 1952. 26 T751

23444 GORRIE, R. M. Soil conservation notes: land slides. Trop. Agr. [Peradeniya] 108:127-132. Apr./June 1952. 26 T751

23445 HAARER, A. E. Soil erosion and moisture control. Country Life [London] 112:1964-1965. Dec.12, 1952. 80 C83

23446 HAFENRICHTER, A. L. Factors that affect the choice of grasses used with legumes for soil conservation. Internatl. Grassland Conf. Abs. Papers 6(G):19-20. 1952. (Doc.5) 60.19 In86

23447 HERRIOT, R. I. Soil conservation districts; a farmer-activated system for preserving our soil resources. So. Austral. Dept. Agr. J. 56:192-196. Nov. 1952. 23 So84

23448 HOSAKA, E. Y. Grass in the conservation program of Hawaii. Internatl. Grassland Conf. Abs. Papers 6(G):25-26. 1952. (Doc.5) 60.19 In86

23449 ISRAEL. SOIL CONSERVATION SERV. Annual report, 1951-1952. Hakirya,Tel Aviv,1952. 10 p. 56.9 Is7

23450 JAMES, K. B. Using the Soil Conservation Service. Agr. Educ. Mag. 25:160,164. Jan.1953. 275.8 Ag8
In teaching soil conservation.

23451 KEARNAGHAN, H. Building grass waterways. Kraftsman, Prod. Ed. 10(4,i.e.5):1. Winter 1952. 44.8 K85

23452 KURATA, M. Cover crops for erosion and soil improvement. Internatl. Grassland Conf. Abs. Papers 6(G):27. 1952. (Doc.5) 60.19 In86
Discussion by T. C. Maurer, p. 30-31.

23453 LAMB, J. Conservation crop rotations - soil water plant relationships. Internatl. Grassland Conf. Abs. Papers 6(G):28-29. 1952. (Doc.5) 60.19 In86

23454 LEWIS, N. N. Lebanon—the mountain and its terraces. Geog. Rev. 43:1-14. Jan.1953. 500 Am35G

23455 LINGENFELTER, R. Two notes on the attitude of farmers. Yale Conserv. Studies 1:13-18. May 1952. 279.8 Y1
Toward soil and water conservation.

23456 LINGNER, R. Landschaftsgestaltung. Berlin, Aufbau-Verlag,1952. 75 p. (Wissenschaft und Technik Verständlich Dargestellt 3) 56.7 L642
Soil erosion.

23457 LOMAKA, M. D. Sandthorn [Hippopheae rhamnoides] to stabilize slopes. (In Russian.) Les i Step' 6:79. June 1952. 99.8 L565

23458 LUQUE LOBOS, J. A. Directamente, bajo la acción del hombre, el suelo se transforma. Mundo Agr. 4(41):44-45. Oct.1952. 9 M92
Conservation in Argentina.

23459 MCCONKEY, O. M. Conservation in Canada. Toronto,Dent,1952. 215 p. 279.13 M13

23460 MAURER, T. C. The case of Ashe County. South. Seedsman 16:27,70,94. Jan.1953. 61.8 So8
Soil conservation practices in North Carolina.

23461 MENZ MUÑOZ, S. La conservación de suelos y los recursos naturales y la erosión. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.317-322. Temuco,1952. 27 C7655

23462 MERBITZ. Bodenerosion gefährdet die bodenfruchtbarkeit. Landwirt. Z. der Nord-Rheinprov. 119:1276-1277. Nov.22,1952. 18 L2344

23463 MIHARA, Y. On the effect of raindrops and grass on soil erosion. Internatl. Grassland Conf. Abs. Papers 6(G):32. 1952. (Doc.5) 60.19 In86

23464 MONTANARI, V. Sedimentation of the Po in the Polesine Region and in the Cavarzerano Region. (In Italian.) Georgofili (ser.6)16:96-119. 1952. 507 F51

23465 MORT, H. D. Mechanical calculators for use by the soil conservationist. N. S. Wales. Soil Conserv. Serv. J. 8:186-190. Oct.1952. 56.9 N472

23466 MYSORE. GEOLOGICAL DEPT. Soil erosion and its prevention, by C. S. Pichamuthu. Bangalore,1951. 18 p. (Its Bulletin 20) 56.7 M99

23467 NATIONAL ASSOCIATION OF SOIL CONSERVATION DISTRICTS. The why, what, and how of soil conservation districts. Ed. 5. League City, Tex.,1951. 9 p. 56.7 N213

23468 ORELLANA, R. G. El control y la erosión en la América Latina. Consorcio de Cent. Agr. de Manabi. Rev. 12(71):15-20. July/Sept.1952. 9.5 M31

23469 OSBORN, B. O. Effectiveness of surface cover in preventing soil and water losses. Internatl. Grassland Conf. Abs. Papers 6(G):34-35. 1952. (Doc.5) 60.19 In86
Discussion by J. D. Brookes, p. 7.

23470 OSBORN, B. Rain and erosion. Tex. J. Sci. 4:301-324. Ref. Sept.30,1952. 470 T31

23471 PASTUSHENKO, V. O. Measures for soil erosion control in regions of [sugar] beet culture. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:29-44. 1951. 56.9 K52

23472 PERVAÍA nauchnaía konferentsiía po pretvoreniiu v zhizn' Stalinskogo plana preobrazovaniía prirody v Tomskoi Oblasti [The First Scientific Conference on putting into practice the Stalin Plan to Change Nature in Tomsk Region]. Tomsk,Tomskii Gos. Univ.,1951. 294 p. (Tomskiĭ Gosudarstvennyĭ Universitet im. V. V. Kuĭbysheva. Trudy. t. 114) 511 T59

23473 PETUKHOV, V. M. Stabilization and utilization of the sands of the Lower Don for farming. (In Russian.) Les i Step' 4(9):21-26. Sept.1952. 99.8 L565

23474 PLATH, C. V. Is conservation farming economically sound? Biol. Colloquium 13:25-32. 1952. 442.9 B524

23475 RECHENTHIN, C. A. Potential "dust bowl" in the making. J. Soil & Water Conserv. 7:111-112. July 1952. 56.8 J822
Texas High Plains.

23476 REE, W. O. The use of grass in waterways. Internatl. Grassland Conf. Abs. Papers 6(G):38-39. 1952. (Doc.5) 60.19 In86

23477 ROBERTS, E., and RYKER, D. E. Oklahomans learn on the land. J. Soil & Water Conserv. 7:119-121. July 1952. 56.8 J822
Soil conservation.

23478 ROBERTS, J. W. Soils and erosion in the Merriwa District. N. S. Wales. Soil Conserv. Serv. J. 8: 181-185. Oct.1952. 56.9 N472

23479 SALTER, R. M. Conservation and improvement of soil and water resources with grass. Washington,U. S. Soil Conserv. Serv.,1952. 10 p. 1.956 A2Sa3
Paper at Sixth International Grassland Congress, State College, Pa., Aug. 19, 1952.
Also in Internatl. Grassland Conf. Doc. 6(10),16 p. 1952. 60.19 In86

23480 SALTER, R. M. The engineer's job in developing America's agricultural capacity to produce. Washington,U. S. Soil Conserv. Serv.,1952. 9 p. 1.965 A2Sa3
Talk, American Society of Agricultural Engineers' soil and water program, Centennial of Engineering Convocation, Chicago, Sept. 9, 1952.
Soil and water conservation.

23481 SALTER, R. M. We're speeding up soil conservation. Country Gent. 123:40-42. Jan.1953. 6 C833

23482 SOIL CONSERVATION SOCIETY OF AMERICA. Soil and water conservation glossary. J. Soil & Water Conserv. 7:144-156. (Concl.) July 1952. 56.8 J822

23483 SOIL-saving schools; farmers prove apt pupils. West. Austral. Dept. Agr. J. (ser.3)1:629-631,633,635. Sept./Oct.1952. 23 W52J

23484 SOUTH AFRICA. DEPT. OF NATIVE AFFAIRS. Betterment for the Bantu, by H. R. Roberts and K. G. Coleman. Cape Town?1951? 35 p. 56.7 So8B
Soil erosion.

23485 STEPANOV, A., and KHRAMOV, V. Method of stabilizing sands [for planting trees] with [reed] screens in the area of the Principal Turkmenian Canal. (In Russian.) Lesn. Khoz. 5(9):17-18. Sept.1952. 99.8 L5622

23486 SUAREZ DE CASTRO, F. La erosión nos carcome. Agr. Trop. 8(10):27-29. Oct.1952. 26 Ag8
Colombia.

23487 SUAREZ DE CASTRO, F. Potencialidad erosiva de las lluvias dentro de un cafetal y al aire libre. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 3(32):21-31. Aug.1952. 68.29 C332

23488 TURIANSKII, G. F. Control of wind erosion of sands of the Lower Dnieper. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):27-30. May 1952. 95.8 V77

23489 UHLAND, R. E. Our work is based on facts. Soil Conserv. 18:106-110,112. Dec.1952. 1.6 So3S
The place of research in the soil conservation program.

23490 U. S. PRODUCTION AND MARKETING ADMIN. Agricultural Conservation Program, California; handbook for 1953. Washington,1952. 40 p. 1.42 Ad4Acb
Also programs for other States.

23491 U. S. SOIL CONSERVATION SERV. Summaries of annual reports of research project supervisors for calendar year 1951. Washington,1952. 76 p. 1.96 Su6

23492 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. The why, what and how of Virginia soil conservation districts. Va. Agr. Col. Ext. C. 561,12 p. Sept.1952. 275.29 V81C

23493 WILTSHIRE, G. R. A soil conservation district programme. N. S. Wales. Soil Conserv. Serv. J. 8:141-148. Oct.1952. 56.9 N472

Sanitation

23494 ALDRICH, D. G., and MARTIN, J. P. Soil fumigation effects. Down to Earth 8(3):13-16. Winter 1952. 381 D75

23495 BARRONS, K. C., and FITZGERALD, C. D. An experiment with chemical seed bed preparation. Down to Earth 8(3):2-3. Winter 1952. 381 D75

23496 CHITWOOD, B. G. Nematocidal action of halogenated hydrocarbons. Advn. Chem. Ser. 7:91-99. Ref. Aug.25,1952. 381 Ad93
Soil fumigation.

23497 DANGUY, R. La désinfection des terres et des terreaux. Soc. d'Hort. de la Haute-Garonne. Ann. (ser.5)24:320-327. July/Sept.1952. 86 So194

23498 LOETERS, J. W., and STAM, J. C. A simplified method to sterilize tobacco seed-beds. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:811-815. Oct.1952. 86 N384
English summary.

23499 MARVEL, M. E. Cauliflower seedbed fumigation with methyl bromide. W. Va. Agr. Expt. Sta. Cur. Rpt. 2,9 p. Oct.1952. 100 W52Cu

23500 SPRAGUE, M. A., and FRANS, R. E. Pasture renovation with chemicals. Down to Earth 8(3):8. Winter 1952. 381 D75

23501 STRØMME, E., and FALK, K. Effect of chemical soil disinfection on tomato root rot. (In Norwegian.) Forsk. og Forsøk i Landbr. 3:77-92. 1952. 11 F772
English summary.

23502 TURNER, N. Carbon removes off-flavor. Frontiers Plant Sci. 5:7. Nov.1952. 100 F92
Soil treatment to remove flavor in potatoes caused by benzene hexachloride.

MATERIALS FOR SOIL IMPROVEMENT

23503 BRIDGER, G. L. Engineering research related to development, manufacture, and use of fertilizers. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:216-217. 1951. 4 As7

23504 FAINSHTEIN, R. M. Waste gumbrin as a fertilizer for grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):40-41. June 1952. 95.8 V77

23505 FITE, R. C. Origin and occurrence of commercial potash deposits. Okla. Acad. Sci. Proc. 32:123-128. Aug.1952. 500 Ok42

Secondary and Minor Element Materials

23506 MCELROY, W. D., and SWANSON, C. P. Trace elements. Sci. Amer. 188:22-25. Jan.1953. 470 Sci25

Mixed Fertilizers and Fertilizer Technology

23507 FRANCE. CHAMBRE SYNDICALE NATIONALE DES FABRICANTS D'ENGRAIS COMPOSES. Journée des engrais composés. Mission d'études aux Etats-Unis, conférences des délégués de l'industrie des engrais composés. n.p.,1951. 40 p. 57.02 F84

23508 GONZALEZ GARCIA-GUTIERREZ, A. Abonos concentrados. Rev. Indus. y Fabril 7:491-495. Ref. Sept.1952. 297.8 R322

23509 KENTUCKY. AGRICULTURAL EXPERIMENT STATION. FEED AND FERTILIZER DEPT. Analyses of official fertilizer samples; semi-annual report, January-June 1952. Ky. Agr. Expt. Sta. Regulat. B. 101,52 p. Sept.1952. 100 K41

23510 KRUMM, H. E. Superphosphate-rock phosphate mixtures with special reference to Langebaan rock. So. African Indus. Chem. 6:195-199. July 1952. 385 So8

23511 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. Report of analyses of commercial fertilizers and lime materials sold in New York State, January 1 to December 31,1951. N. Y. Dept. Agr. & Mkt. B. 379,55 p. Aug.1952. 2 N482

23512 NORTH CAROLINA DEPT. OF AGRICULTURE. North Carolina fertilizer report for 1951-1952. N. C. Dept. Agr. B. 128,143 p. Oct.1952. 2 N81B

23513 PASTAC, I. A. Théorie générale des engrais; analyse géométrique des formules. Chim. & Indus. 68: 896-900. Dec.1952. 383 C42

Fertilizer Statistics

23514 ALLENDE URRUTIA, N. Fertilizantes. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.190-192. Temuco,1952. 27 C7655

23515 BRICARD, S. L'industrie de l'azote dans l'économie française. Chim. & Indus. 68:937-945. Dec. 1952. 383 C42

23516 COLAMARIA, F. Appraisal of fertilizers. (In Italian.) Agr. Ferrarese 56:78-82. Apr.30,1952. 16 Ag87
Unit value in relation to price.

23517 COMPTOIR FRANCAIS DE L'AZOTE. Ce qu'il faut savoir pour vendre des engrais. Paris,1951? 55 p. 57 C732

23518 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Fertilizers—a world report on production and consumption. Rome,1952. 46 p. (FAO/52/7/4819) 57.2 F73

23519 FUDGE, J. F. Distribution of fertilizer sales in Texas, January 1—June 30, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1498,3 p. Sept.26,1952. 100 T31P

23520 GRAB, E. G., HURST, W. M., and SCROGGS, C. L. Cooperative fertilizer plants. U. S. Farm Credit Admin. C. C-145,30 p. May 1952. 166.2 C4923

23521 GREVE. Die augenblickliche lage auf dem düngemittelmarkt. Landwirtbl. Weser-Ems 99:1264-1265. Dec.12,1952. 18 L2345

23522 HUANG, T. H. Another answer to the sulfur shortage: Far East is making serpentine-fused phosphate. Farm Chem. 116:41-42,46-47,49-50,71. Ref. Jan.1953. 57.8 Am3

23523 ILLNER, F. Versorgung der bayerischen landwirtschaft mit handelsdünger im düngejahr 1951/52. Bayern in Zahlen 6:351-353. Oct.1952. 265 B34

23524 INTERNATIONAL SUPERPHOSPHATE MANUFACTURERS' ASSOCIATION. Phosphate statistics, 1951. London,1952. 5 tables. 57.9 In82

23525 INTERNATIONAL SUPERPHOSPHATE MANUFACTURERS' ASSOCIATION. Superphosphate statistics, 1951. London,1952. 5 tables. 57.9 In82

23526 JOHANSSON, O. Sulfur—a production factor that has been overlooked. (In Swedish.) Lantmannen 36: 1053-1054. Dec.20,1952. 11 L234

23527 JOHNSON, S. E. Die entwicklung des düngemittelverbrauchs in den Vereinigten Staaten. Agrarwirtschaft 1:314-316. Nov.1952. 281.8 Ag826

23528 KAPUSTA, E. C. Fertilizers and sulfur supply Natl. Fert. Rev. 27:15-18. Oct./Dec.1952. 57.8 F414

23529 KRISCHE, P. Die entwicklung der gewinnung und verwertung des kalis bis zur heutigen welt-kaliindustrie. Ernähr. der Pflanze 1:12-26. (Cont.) Oct.1952. 57.8 Er62
English summary.

23530 MACDONALD, J. P. A. Some aspects of mechanical handling in the fertiliser industry. Fert. Soc. Proc. 18,31 p. 1952. 57.9 F41
Includes discussion.

23531 MULLER, A. Wismar, ein bedeutender kaliumschlaghafen. Ernähr. der Pflanze 1:34-37. Oct.1952. 57.8 Er62
English summary

23532 PACKARD, W. G. T. The history of the fertiliser industry in Britain. Fert. Soc. Proc. 19,42 p. 1952. 57.9 F41
Includes discussion.

23533 RICHARD, H. Physionomie de la fertilisation en France. Paris,Maison Rustique,1951. 175 p. 57 R38

23534 SAUCHELLI, V. Of time and phosphates. Com. Fert. 86:26-31. Jan.1953. 57.8 C73

23535 SILFVERSWARD, H. The supply, consumption and pricing of commercial fertilizer in 1951/52 and 1952/53. (In Swedish.) Jordbrekon. Meddel. 14:408-412. Oct.1952. 257.3 J76
English summary, p. 398.

23536 SILVERBERG, J., and ROGERS, H. T. New fertilizers from TVA. What's New Crops & Soils 5(4):10-11. Jan.1953. 6 W55

23537 SNYDER, W. E. Fertilizer and Japanese recovery. West. Grower & Shipper 24(2):46-47. Jan. 1953. 280.38 W52

23538 SOCIETÉ D'ETUDES CHIMIQUES POUR L'INDUSTRIE & L'AGRICULTURE. Les tendances recentes de la consommation d'engrais dans les pays de l'O.E.C.E. Mines de Potasse d'Alsace. B. d'Inform. Econ. Etude Doc. 39:1-17. Oct.1952. 280.9 M666

23539 TEDDINGTON, ENG. CHEMICAL RESEARCH LABORATORY. Interim report on the preparation of phosphate fertilisers. n.p.,1951? 9 p. 57.24 T22

23540 TRUITT, P. T. Fertilizer outlook for 1953. Better Farming Methods 25:36,38-39. Jan.1953. 58.8 B46

23541 TRUITT, P. T. Record supplies of fertilizer seen in 1952-53 crop year. Feedstuffs 25(4):34-35,38-39. Jan.24,1953. 286.81 F322

23542 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Ground rock phosphate. Va. Agr. Col. Ext. C. 549,8 p.-folder. June 1952. 275.29 V81C

23543 WHITNEY, M., JR. Multiple-shot delayed action blasting a factor in achieving fertilizer safety. Agr. Chem. 7(12):45-46. Dec.1952. 381 Ag8

Mineral Soil Amendments

23544 CHOPRA, S. K., and PATWARDHAN, N. K. Investigations on the use of lime-sludge as soil stabilizer. J. Sci. & Indus. Res. 11B:434-437. Oct.1952. 475 J82

23545 DANELL, N. Value of blast furnace slag—so-called silica lime from Domnarfvet Iron Work—as fertilizer. (In Swedish.) Lantbrtidskr. f. Dalarna 5:173-178. Oct.1952. 11 L29

23546 RECKENDORFER, P. Spritzkalk oder speckkalk? Pflanzenarzt 5(12):2-3. Dec.1,1952. 464.9 P482

23547 RICHARDS, A. V. Improvement of lime. Trop. Agr. [Peradeniya] 108:133. Apr./June 1952. 26 T751

23548 SEMENOV, S. D. Wood ashes as a fertilizer for potatoes. (In Russian.) Sad i Ogorod 10:66-67. Oct. 1952. 80 Sa13

23549 TORSTENSSON, G., and ALVELID, S. On the use of blast-furnace slag for liming purposes in agriculture. (In Swedish.) Lantbrakad. Tidskr. 91:57-76. Ref. 1952. 104 Sw3
English summary.

23550 VALUNJKAR, G. R. Bone-meal and its manufacture. Indian Farming (n.s.)2(8):12-14. Nov.1952. 22 In283

23551 VOLK, G. W., HARDING, R. B., and EVANS, C. E. A comparison of blast furnace slag and limestone as a soil amendment. Ohio. Agr. Expt. Sta. Res. B. 708, 19 p. Nov.1952. 100 Oh3S

Manures and Composts

23552 ABBOTT, A. L., and SHEATH, W. H. Refuse disposal. II. So. African Indus. Chem. 6:191-195. Ref. July 1952. 385 So8
Includes composting.

23553 BRUCE, M. E. How to use compost. Mr. Chase's Cloche Gard. Notes 11:182-183. Dec.1952. 80 M69

23554 DENMARK. STATENS FORSØGSVIRKSOMHED I PLANTEKULTUR. Experiments in preparing compost of straw, 1950-1952. (In Danish.) Gart.-Tid. 68:498-499. Dec.22,1952. 80 G192

23555 DINSDALE, D. H. Money in the manure heap. Farmer & Stock-Breeder 66(3296):36-37. Dec.23/24, 1952. 10 F228

23556 DUCHOŃ, F. Composts an essential part of Vil'iams travopol'nyi system. (In Czech.) Za Socialist. Zeměděl. 2:1173-1180. Oct.1952. 19.5 Z1

23557 FUSSELL, G. E. "Universal compost," a century-old proposal to supplement dung. Fert. Feed. Stuffs & Farm Supplies J. 38:786-787,790. Nov.26,1952. 57.8 F413

23558 GALARZA, M. Peru's guano islands: gold dust for the land. Co-op Grain Q. 10(4):61-65. Dec. 1952. 280.28 C7898

23559 JONES, H. E. Barnyard manure. Minn. U. Agr. Ext. Folder 168,10 p. Aug.1952. 275.29 M66Ex

23560 KOLOSHA, I. L. Influence of [sugar] manufacturing waste upon the yield of agricultural crops. (In Russian.) Ukrain. Nauch.-Issled. Inst. Sotsialist. Zeml. Trudy 6:182-191. 1951. 56.9 K52

23561 LYON, A. V. The compost heap. 2. Citrus News 27:120,131. Sept.1952. 80 C494

23562 MALLGRAF, A. Die aufbereitung der wirtschaftsabfälle. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(23):4-5. Dec.5,1952. 40.28 D48
Manure and compost.

23563 OLSSON, I., JOHANSON, B., and RÅMAN, C. A. Straw after combine threshing. (In Swedish.) Lantmannen 36:1015-1016. Dec.6,1952. 11 L234
Use of straw as fertilizer.

23564 SCHWABE, G. H. Cienos de la Bahia de Concepción. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.356-362. Temuco,1952. 27 C7655
As fertilizer.

23565 STREIF, K. Vorteile und leistungsgrenzen bei stallmiststreuern. Allgäuer Bauernbl. 20:658-659. Nov.27,1952. 18 AL53

23566 SUBIDO, P. S. Compost—a cheap organic fertilizer and how it is prepared. Agr. & Indus. Life 14:8-9, 51. Nov.1952. 25 Ag8

23567 SUBIDO, P. S. Compost—a cheap organic fertilizer and how it is prepared. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(5):2-5. May 1952. 25 P544P

23568 TEETERS, R. Sewage sludge as potential fertilizer in the United States. Yale Conserv. Studies 1: 45-51. Ref. May 1952. 279.8 Y1

23569 WESTLEY, R. O. Guano, enricher of Peruvian soils. Foreign Agr. 16:222-223. Dec.1952. 1.9 Ec7For

FORESTRY

GENERAL

23570 AIGNER, H. Forstliche eindrücke in Bosnien. Allg. Forstz. 7:535-536. Dec.24,1952. 99.8 AL52

23571 BUND DEUTSCHER FORSTMANNER. LANDESVERBAND NIEDERSACHSEN. Denkschrift über die besoldung der niedersächsischen staatsforstbeamten, insbesondere die verbesserung der aufstiegsmöglichkeiten. Deut. Forstmann, p.79. In Forst u. Holz 7(20). Oct.16,1952. 99.8 F7724

23572 CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. FORESTRY BR. Forest and forest products statistics, Canada. Canada. Dept. Resources & Devlpmt. Forestry Br. B. 106,65 p. 1952. 99.9 C16B

23573 CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. FORESTRY BR. Wood is wealth, Canada's forest economy 1938 to 1949. Canada. Dept. Resources & Devlpmt. Forestry Br. B. 105,52 p. Ref. 1952. 99.9 C16B

23574 CHADWICK, A. H. Sylvan special. Sylva [Toronto] 8(5):3-10. Sept./Oct.1952. 99.8 Sy5
Forestry exhibit.

23575 CLEPPER, H. The Journal of Forestry: an historical summary of the first fifty years. J. Forestry 50:899-913. Dec.1952. 99.8 F768
Includes tribute to the editors, by R. S. Hosmer.

23576 COLLINGWOOD, H. The lost identity of Doyle and Scribner. J. Forestry 50:943-944. Dec.1952. 99.8 F768

23577 EMPIRE FORESTRY ASSOCIATION. The Empire forestry handbook 1952. London,1952. 210,90 p. 99.9 Em72E

23578 FEIHL, A. O. La vie en forêt dans l'Est canadien. Schweiz. Z. f. Forstw. 103:380-388. Sept./Oct. 1952. 99.8 J82

23579 FLATSCHER, H. Wievielen menschen kann die österreichische forst- und holzwirtschaft arbeit und brot geben? Allg. Forstztg. 63:243-244. Nov.1952. 99.8 AL53

23580 FORESTRY in the Middle East. Unasylva 6: 104-124. Sept.1952. 99.8 Un1

23581 GARRATT, G. A. Trends in North American forestry. J. Forestry 51:4-9. Jan.1953. 99.8 F768

23582 HAUBOLD, W. Ein aufruf von besonderer bedeutung. Wald 2:323-324. Nov.1952. 99.8 W143
Productive capacity of forest labor in economy.

23583 HAWES, A. F. A visit to an English state forest. Conn. Woodlands 17:69-71. Nov.1952. 99.8 C76

23584 HEALD, W. F. Who saved the redwoods? Nat. Hist. 62:25-31,44. Jan.1953. 500 N483J
The Save-the-Redwoods League.

23585 HOFFMAN THATER, O. Bosques y la industrialización de las maderas. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.336-339. Temuco,1952. 27 C7655

23586 HOLZLEITNER, W. Vom holzknecht zum waldfacharbeiter. Allg. Forstztg. 63:276-277. Dec.1952. 99.8 AL53

23587 HOUTERMANS, P., LOYCKE, and PLATZER. Zusammenarbeit im forstbetrieb. Allg. Forstztg. 63:273. Dec.1952. 99.8 AL53
Abstracts of papers.

23588 JAGERSCHMIDT. Les problèmes de la production forestière et de la consommation du bois en Europe, vus de Genève et de Rome. Acad. d'Agr. de France, Compt. Rend. 39:638-639. Nov.5/12,1952. 14 P215Bc

23589 JANZ. Wie bringen wir in der forstwirtschaft den sozialistischen wettbewerb zur vollen entfaltung. Wald 2:331-333. Nov.1952. 99.8 W143
Labor management.

23590 KLÖHN. Verbessert die organisation der planungsarbeiten in den staatlichen forstwirtschaftsbetrieben. Wald 2:330-331. Nov.1952. 99.8 W143

23591 KRÜGER, A. Anwendung der methode Franik in der forstwirtschaft. Wald 2:333-334. Nov.1952. 99.8 W143
Labor management.

23592 LAMP, I. Der zweite steirische holzhauerwettbewerb. Allg. Forstztg. 63:277-279. Dec.1952. 99.8 AL53

23593 LANE, F. C. The story of trees. Garden City, N. Y.,Doubleday,1952. 384 p. 99.3 L24

23594 LARIN, I. F. On norms for tractor work at forest conservation stations and forestry enterprises. (In Russian.) Lesn. Khoz. 5(7):63-65. July 1952. 99.8 L5622

23595 LOEHR, R. C., ed. Forests for the future; the story of sustained yield as told in the diaries and papers of David T. Mason 1907-1950. St. Paul,Minn. Hist. Soc., 1952. 283 p. 99.9 M669

23596 MACLAGGAN, M. The passing show. Pulp & Paper Mag. Canada 54:67-69. Jan.1953. 302.8 P96
Unionization of forest workers in Canada.

23597 MOON, G. C. Great Plains forestry. S. Dak. Conserv. Digest 19(10):13-15. Oct.1952. 412.9 So822

23598 NIKITIN, I. New ideas in forestry in the light of Michurinite biology. (In Russian.) Lesn. Khoz. 5(6): 13-18. June 1952. 99.8 L5622

23599 OSLO. SKOGBRUKETS OG SKOGINDUSTRIENES FORSKNINGSFORENINGS.SKOGFORSKNINGSGRUPPE. Beretning og regnskap. (Annual report). 1951, 4. Oslo,1952. 39 p. 99.9 Os522
English summary.

23600 PAGENSTERT, G., and DIESSELHORST, W. Eindrücke einer forstlichen studienreise in Frankreich. Allg. Forstz. 7:520-523. Dec.10,1952. 99.8 AL52

23601 PLAYFAIR, G. A. Communications in Canadian forestry. Brit. Columbia Lumberman 37:38,89,92, 100. Jan.1953. 99.81 B77
Radio.

23602 PROBY, SIR R. G. Yesterday, to-day, and tomorrow. Q. J. Forestry 47:9-18. Jan.1953. 99.8 Q2
Private forestry in Great Britain.

23603 PROCEEDINGS of the 1950 Forester's Conference April 13-25, 1950. Philippine J. Forestry 7:111-174. First/Fourth Q.1950,pub.1952. 99.8 P53

23604 REINL, E. Die bedeutung der verpflichtungen. Wald 2:325-326. Nov.1952. 99.8 W143
Work management by labor unions.

23605 RUDEN, T. Forests of Northwest America. (In Norwegian.) Norsk Skogindus. 6:347-372. Nov.1952. 99.82 N81
English summary.
Forests and forestry in British Columbia, Alberta and Alaska.

23606 SAGE, C. H. Conservation and people. Ontario?1951. 16 p. 99.5 Sa1

23607 SCHONWIESE, H., NEUMANN-SPALLART, O., and HILF, H. H. Arbeits- und lebensverhältnisse der forstarbeiter. Allg. Forstztg. 63:272-273. Dec.1952. 99.8 AL53
Abstracts of papers.

23608 SHAW, R. G. Machinery research. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:107-109. 1952. 99.9 G795Re

23609 SHIRLEY, H. L. Forestry and its career opportunities. New York,McGraw-Hill,1952. 492 p. Ref. (American Forestry Series) 99.06 Sh6

23610 SOUTHERN RHODESIA. DEPT. OF FORESTRY. Statement for Southern Rhodesia. Sixth British Empire Forestry Conference, Canada, 1952. Salisbury,1952. 16 p. 99.27 R342

23611 STANER, P. La conférence forestière interafricaine d'Abidjan. Cour. Agr. 17(17):2,4. (Cont.) Aug.20,1952. 24 C83

23612 STREHLKE, E. G., and others. Die leistungsfrage. Allg. Forstztg. 63:275-276. Dec.1952. 99.8 AL53
Abstracts of papers by E. G. Strehlke, A. Hilscher, I. Lamp, Mächler, and A. Klein.

23613 VERZHBITSKAIA, E. S. Public assistance to afforestation. (In Russian.) Les i Step' 6:85. June 1952. 99.8 L565
All-Russian Society for Conservation of Natural Resources.

23614 WRIGHT, J. W. A directory of forest genetics research in the United States and Canada. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 53,10 p. 1952. 1.9622 N2St22

Education

23615 BACKHAUS, and others. Ausbildung. Allg. Forstztg. 63:273-274. Dec.1952. 99.8 AL53
Abstracts of papers by Backhaus, Steurer, Platzer, and P. H. Tromp.
Training of forest laborers.

23616 BAKULIN, I. N. Forestry propaganda among the population. (In Russian.) Lesn. Khoz. 5(7):74-76. July 1952. 99.8 L5622
Utilization of park as tree nursery.

23617 COFFIN, E. Forestry's place in vocational agriculture. Agr. Educ. Mag. 25:162. Jan.1953. 275.8 Ag8

23618 FAURE, G. T. Forestry through Scouting. Forests & People 2(4):26-27. Fourth Q.1952. 99.8 F7628

23619 GEIGER, R. Der unterricht der forststudierenden in meteorologie im lichte der ausbildungskrise der gegenwart. Forstwiss. Centbl. 71:380-384. Nov./Dec.1952. 99.8 F775

23620 HOLLOWAY, T. How Britain is training forest workers. Amer. Forests 59:20-22. Jan.1953. 99.8 F762

23621 KRISTIANSSON, S. Combined forestry instruction. (In Swedish.) Skogsägaren 28:201. Sept.1952. 99.8 Sk55

23622 MCGLOTHLIN, W. J. Regional planning in forestry education. South. Lumberman 185(2321):147-149. Dec.15,1952. 99.81 So82

23623 SCHMITZ, H. The aim of the U of W School of Forestry. Lumberman 80:98. Jan.1953. 99.81 w52

23624 VEDENEEV, A. G. First year of study. (In Russian.) Lesn. Promysh. 9:32-33. Sept.1952. 99.82 L56
Forestry.

23625 YALE UNIVERSITY. SCHOOL OF FORESTRY. Second half century growth; the Yale School of Forestry. New Haven?1952. 16 p. 99.08 Y1Se

Policies, Programs, Administration

23626 ACOGIDO, J., and FRANCISCO, I. Administrative problems of the Bureau of Forestry. (Abs.) Philippine J. Forestry 7:122-123. First/Fourth Q.1950, pub.1952. 99.8 P53

23627 ACUÑA, R. A., and FERRERIA, C. Q. Administration and use of communal forests. (Abs.) Philippine J. Forestry 7:167-168. First/Fourth Q.1950,pub. 1952. 99.8 P53

23628 ADAMO, D'. Inversiones forestales. Chacra 23(265):28-29. Dec.1952. 9 C34
Policy in Argentina.

23629 ARTAMOV, M. I., and TĬŪKOV, S. E. Organization and management of collective farm and soil conservation forestry. (In Russian.) Lesn. Khoz. 5(9):41-42. Sept.1952. 99.8 L5622

23630 BIØRN-HANSEN, E. Reforestation in Kvam, Hordaland. (In Norwegian.) Skogen [Oslo] 17:90-95. 1952. 99.8 Sk56

23631 BOMBAY FOREST DEPT. Forest administration report for the year 1950-51. Bombay,1952. 219 p. 99.9 In2Bo

23632 BOROVOI, V. IA. Afforestation in the People's Republic of Albania. (In Russian.) Les i Step' 4(8):93-94. Aug.1952. 99.8 L565

23633 CLAPP, R. T. Forestry research at Mississippi State College. South. Lumberman 186(2323):46. Jan.15,1953. 99.81 So82

23634 CORALES, J., and ALLAS, D. B. Suggestions to control kaiñgin evil. (Abs.) Philippine J. Forestry 7: 168. First/Fourth Q.1950,pub.1952. 99.8 P53

23635 DANFEL'D, P. A. On organizing forestry in the verdant zones of cities [parks and suburban forests]. (In Russian.) Lesn. Khoz. 5(7):23-27. July 1952. 99.8 L5622

23636 DAPROZA, J., and SABADO, R. How to make our people forest conscious. (Abs.) Philippine J. Forestry 7:122. First/Fourth Q.1950,pub.1952. 99.8 P53

23637 DEMMON, E. L. 30 years of forest research in the Southeast. South. Lumberman 185(2321):196-198. Dec.15,1952. 99.81 So82

23638 DMITRIEV, I. A. Principles of shelterbelt planning on Andreev Collective Farm [in Obofànsk District, Kursk Region]. (In Russian.) Les i Step' 4(9): 61-66. Sept.1952. 99.8 L565

23639 DOWNING, A. P. Moving forward in forestry. South. Lumberman 185(2321):121-122. Dec.15,1952. 99.81 So82

23640 FEDERATION OF MALAYA. FOREST DEPT. Report on Federal forest administration for the year 1951, by J. P. Edwards. Kuala Lumpur,1952. 67 p. 99.9 F31

23641 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Statement of forestry principles. Food & Agr. Organ. United Nations. Conf. 6 (C51/25),16 p. 1951. 389.9 F735Conc

23642 GOL'DIN, I. L. Scientific-research and experimental work at Krapivен Technical School [of Forestry]. (In Russian.) Lesn. Khoz. 5(9):80-83. Sept.1952. 99.8 L5622

23643 GT. BRIT. FORESTRY COMMISSION. Report on forest research for the year ending March, 1951. London,1952. 139 p. 99.9 G795Re

23644 HACHENBERG, F. Wald und landwirtschaft im kampf um den bodenraum. Unser Wald 5(11):1-2. Nov.1952. 99.8 Un7

23645 HAGMAN, P. The French forest administration. (In Swedish.) Skogen [Stockholm] 39:208-209. Oct. 1,1952. 99.8 Sk51

23646 HOPKINS, W. Scrub oak or pine? South. Lumberman 185(2321):214-216. Dec.15,1952. 99.81 So82

Chipola Experimental Forest.

23647 HOPPENSTEDT. Können und müssen wir den holländischen beispielen bei der heideaufforstung in Westdeutschland folgen? Allg. Forstz. 7:502-503. Nov. 26,1952. 99.8 AL52

23648 HUFNAGL, H. Forstet auf! Bauer 5(43):7-9. Dec.6,1952. 19 B32

Program for youth in Austria.

23649 INSTRUCTION on planning and distribution of shelterbelts on the fields of collective and state farms in the steppe and forest-steppe districts of European SSSR. (In Russian.) Les i Step' 4(9):3-18. Sept.1952. 99.8 L565

23650 JAGOW, VON. Aufforstung im rahmen des Emsland-erschliessungsprogramms. Landwirtbl. Weser-Ems 99:1181-1182. Nov.20,1952. 18 L2345

23651 JONES, H. L. The [Louisiana Forestry] Association's legislative program. Forests & People 2 (4):30-31,35-36. Fourth Q.1952. 99.8 F7628

23652 KOCH, W. Der französische forstfonds. Württemb. Wchnbl. f. Landwirt. 119:992. Nov.1,1952. 18 W96

23653 KRUGLOV, V. E. Achievements of Kharabalinskafà Forest Conservation Station. (In Russian.) Dostizhenifà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:62-66. June 1952. 20 D742

23654 LEMIEUX, F. Our nationalized forests. New Orleans,1952. 16 p. 99.71 L54

23655 LIASHCHENKO, M. M. Novafà Zakrevka and its achievements [in forestry]. (In Russian.) Lesn. Khoz. 5(7):90-91. July 1952. 99.8 L5622

23656 MABBAYAG, F., and MIGUEL, A. F. National forest policy for the Philippines. (Abs.) Philippine J. Forestry 7:121-122. First/Fourth Q.1950,pub.1952. 99.8 P53

23657 MALSBERGER, H. J. More trees needed for expanding wood industries. South. Lumberman 185(2321): 171-172. Dec.15,1952. 99.81 So82

23658 MARABABOL, V. R., and MACARAEG, C. Common anomalies in the use of public and private gratuitous licenses. (Abs.) Philippine J. Forestry 7:128-129. First/Fourth Q.1950,pub.1952. 99.8 P53

23659 MARSHALL, C. Report on forestry in the Trust Territory of the Pacific Islands. Washington,1951. 94 p. (National Research Council. Pacific Science Board. Scientific Investigations in Micronesia 14) 99.28 M35R

Program recommendations.

23660 METRO, A. Reforestation in arid zones with especial reference to eucalypts. Unasylva 6:98-103. Sept.1952. 99.8 Un1

23661 MIKHALIN, I. IA., and BULAVIN, V. P. For improving the financial work at forest conservation stations. (In Russian.) Lesn. Khoz. 5(7):69-74. July 1952. 99.8 L5622

23662 MILLER, A. D. Derelict woodland investigations. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:54-62. 1952. 99.9 G795Re

23663 MORGAN, S. Alabama bankers like trees. Ext. Serv. Rev. 23:195. Nov.1952. 1 Ex892Ex

23664 NATIONAL LUMBER MANUFACTURERS ASSOCIATION. Forests for the future, by D. S. Steinberg. Washington,1952. 11 p. 99.71 N213

23665 NEW SOUTH WALES. FORESTRY COMMISSION. Report for the year ended 30th June 1950. Sydney, 1952. 24 p. 99.9 N47R

23666 NIEMETZ, F. Die aufgaben des forsttechnischen dienstes der politischen verwaltung. Allg. Forstztg. 63:261-265. Dec.1952. 99.8 AL53

23667 POPOV, N. I. Potentialities of the machine-tractor park of Konoplìanskafà Forest Conservation Station [in fulfilling the plan for silvicultural work]. (In Russian.) Les i Step' 4(9):39-44. Sept.1952. 99.8 L565

23668 RYBALKO, N. M. Afforestation of fields is nearly ended. (In Russian.) Les i Step' 4(8):74-75. Aug.1952. 99.8 L565

23669 SCHMID, F. Ein gesunder personeller aufbau in den forstlichen dienstzweigen Osterreichs. Allg. Forstztg. 63:269-272. Dec.1952. 99.8 AL53

23670 SCHMID, F. Ein gesunder personeller aufbau in den forstlichen dienstzweigen Österreichs. Österr. Vrtljahresschr. f. Forstw. 93:153-162. Ref. 1952. 99.8 Oe8

23671 SCHWEIZERISCHER VERBAND FUR WALDWIRTSCHAFT. Der forstwirtschaftlichen zentralstelle ein eigenes haus! Wald u. Holz 34:41-48. Nov.1952. 99.8 W14

23672 SEIGWORTH, K. J. Guiding Bama's forest destiny. Amer. Forests 58(12):18-19,36-37,39-40. Dec. 1952. 99.8 F762

Alabama Forestry Council.

23673 SHCHERBINA, A. R. Plan for shelterbelts was fulfilled on time [at Chkalov Kolkhoz, Novo-Moskovskiĭ District, Dnepropetrovsk Region]. (In Russian.) Les i Step' 4(9):56-60. Sept.1952. 99.8 L565

23674 SOCIEDAD AGRICOLA DEL SUR. La forestación nacional. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.323-328. Temuco,1952. 27 C7655

23675 STARKWEATHER, M. H. Tree farms, today's necessity for tomorrow's lumber. Natl. Gard. 24:9-10. Jan./Feb.1953. 90.32 N21

23676 STORY, D. Reforestation panacea for the land's ills. Forests & People 2(4):18-19. Fourth Q.1952. 99.8 F7628

23677 VAUX, H. J., and ZIVNUSKA, J. A. Forest production goals: a critical analysis. Land Econ. 28: 318-327. Nov.1952. 282.9 J82

23678 VERMONT. UNIVERSITY AND STATE AGRICULTURAL COLLEGE. Memorandum of understanding between the College of Agriculture of the University of Vermont and State Agricultural College and the Vermont Forest Service, on a coordinated and cooperative plan of forestry services and activities. Burlington?1952. 3 p. 99.71 V59

23679 VOGES. Beruf als medizin. Deut. Forstmann, p.80-81. In Forst u. Holz 7(20). Oct.16,1952. 99.8 F7724
Forest jobs as occupational therapy for veterans.

23680 WARDI. Who must manage the forest? (In Indonesian.) Rimba Indonesia 1:51-68. Ref. Sept.1952. 99.8 R46
English summary.

23681 WECK, J., and KOLLMANN, F. Research in the Federal Republic of Germany. Unasylva 6:125-131. Sept.1952. 99.8 Un1
Includes forestry and forest products research.

23682 WEST VIRGINIA. CONSERVATION COMMISSION. Annual report issue. W. Va. Conserv. 16(7), 47 p. Oct.1952. 279.8 W524
Includes report of the Division of Forestry.

23683 WIESEHUEGEL, E. G. Forest research in the Tennessee Valley. South. Lumberman 186(2323):43-45. Jan.15,1953. 99.81 So82

Legislation and Taxation

23684 BEISHELE, A. Der forstrechtsgesetzentwurf von der anderen seite aus betrachtet. Landwirt. Wchnbl. 142:1439-1440. Dec.13,1952. 18 L2338
Germany.

23685 KOSSARZ, W. Zum 100 jährigen bestand des österreichischen reichsforstgesetzes. Allg. Forstztg. 63: 252-253. Nov.1952. 99.8 AL53

23686 MAIER, P. Die einkommensteuererklärung 1951 verlangt wichtige entscheidungen. Holz-Zentbl. 78: 1766-1768. Oct.25,1952. 99.81 H742

23687 PARRAS, V., and VILLANUEVA, M. M. Common practices in the evasion of payment of forest charges and suggested remedies. (Abs.) Philippine J. Forestry 7:129. First/Fourth Q.1950,pub.1952. 99.8 P53

23688 VIADO, J., and AZURIN, M. Problems met in the collection of reforestation fund. (Abs.) Philippine J. Forestry 7:158. First/Fourth Q.1950,pub.1952. 99.8 P53

23689 WESTPHALEN, F. GRAF VON. Lastenausgleich und dessen ablösung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2103. Dec.20,1952. 18 L2346
In relation to forestry.

Forest Description and Resources

23690 BARCELO, J. L. Importancia economica de la riqueza selvática y forestal en Venezuela. Ceres [Valladolid] 17(196):9,11. Oct.1,1952. 15 C33

23691 BERJAOUI, A. La distribution des essences forestières au Liban. Rev. Forest. Franç. 12:833-837. Dec.1952. 99.8 R329

23692 BOUDY. Considérations sur la forêt algérienne et sur la forêt tunisienne. Acad. d'Agr. de France. Compt. Rend. 39:529-545. Oct.8/15,1952. 14 P215Bc

23693 CANADA. BUR. OF STATISTICS. Operations in the woods;final estimates of forest production, 1951. Ottawa,1952. 12 p. 99.76 C16S
Text also in French.

23694 CONSERVATION FOUNDATION. Forests for the future. Amer. Forests 58(12,pt.2),36 p. Dec.1952. 99.8 F762

23695 GAMTSEMLIDZE, P. K. Forestry of Adzhar ASSR. (In Russian.) Lesn. Khoz. 5(6):60-62. June 1952. 99.8 L5622

23696 HEERS, E. A. Some second Forest Survey highlights. South. Lumberman 185(2321):168-170. Dec. 15,1952. 99.81 So82

23697 HUTCHISON, O. K., and WINTERS, R. K. The timber outlook for Kentucky. South. Lumberman 185 (2321):161-163. Dec.15,1952. 99.81 So82

23698 HUTCHISON, S. B., and KEMP, P. D. Forest resources of Montana. U. S. Forest Serv. Forest Resource Rpt. 5,76 p. Ref. 1952. 1 F76Frr

23699 KAMESAM, S. La couverture des besoins asiatiques en bois. Rev. Internatl. du Bois 19(173):9-12. Nov.1952. 99.8 R326

23700 KERNAN, H. S. Forests of Iran. Amer. Forests 58(12):14-16. Dec.1952. 99.8 F762

23701 KINGSTON, L. H. Forest inventory survey signifies new thinking by State's industry. Timber Prod. B. 117:5. Dec.1952. 99.9 T482B
Wisconsin.

23702 LOCKE, G. M. L. Census of woodlands. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:91-94. 1952. 99.9 G795Re

23703 LÓPEZ, H. Ante la destrucción forestal. Agrotecnia 7:36-41. Sept./Oct.1952. 8 Ag825
Cuba.

23704 MANTEL, K. Entwicklungstendenzen der holzerzeugung und -versorgung. Holz-Zentbl. 78:2016-2018. (Cont.) Dec.4,1952. 99.81 H742

23705 MORAVETS, F. L. Forest statistics for Cowlitz County, Washington. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Forest Survey Rpt. 105, 24 p. Aug.1952. 1.9622 P2F76

23706 MORAVETS, F. L. Forest statistics for Wahkiakum County, Washington. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Forest Survey Rpt. 106,23 p. Oct.1952. 1.9622 P2F76

23707 POTZGER, J. S. The forest primeval of Indiana as recorded in the original United States Land Survey. (Abs.) Ind. Acad. Sci. Proc. 61:70. 1951,pub. 1952. 500 In2

23708 SOUTH CAROLINA. FORESTRY COMMITTEE. South Carolina's forest. Columbia?1951. 23 p. 99.16 So8

23709 U. S. FOREST SERV. The forests of Wyoming; the wood resources of Wyoming and programs for their maximum utilization. 82d Cong., 2d Sess. S. Doc. 117, 19 p. 1952. 1 F76Fow

23710 U. S. FOREST SERV. National forest areas. Washington,1952. 16 p. 1 F765

23711 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Rogue River National Forest. Washington,1952 map. 1 F769Roq
Illustrations and text on back of map.

23712 WECK, J. Wald- und holzreserven der erde. Unser Wald 5(11):11-13. Nov.1952. 99.8 Un7

Individual Genera and Species

23713 AGEEV, A., and LENSKII, M. A. Selection and introduction of Sequoia to the Black Sea Coast of the Caucasus. (In Russian.) Lesn. Khoz. 5(6):78-79. June 1952. 99.8 L5622

23714 AL'BENSKIĬ, A. V. Results of hybridization of larch, maple, elm and ash trees. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:88-94. Ref. 1951. 99.9 Ak1

23715 BARRAND. Pin du Bresil ou parana [Araucaria angustifolia] pine. Rev. Internatl. du Bois 19(173):7-8. Nov.1952. 99.8 R326

23716 BAUER, F. Die roteiche, 1950. Eine ertragskundlichbiologische und holzkundliche untersuchung. Hann,Münden,1951? 182 p. Ref. 99.35 B32

23717 BOGDANOV, P. L. Results of the work of poplar selection carried on in Leningrad. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:72-77. Ref. 1951. 99.9 Ak1

23718 CHAMPANHET, A. Le bois de teck. Etudes d'Outre Mer 35:313-316. Sept.1952. 286.8 M35
The teakwood industry.

23719 CLAVERIA, J. R. Notes on narra (Pterocarpus spp.). Philippine J. Forestry 7:31-41. First/Fourth Q. 1950,pub.1952. 99.8 P53

23720 CONGRESSO NAZIONALE DI PIOPPICOLTURA, PAVIA, 1951. Atti [Proceedings]. Pavia,1951. 198 p. 99.9 C76913

23721 DAY, T. The nation's Christmas tree. South. Lumberman 185(2321):153. Dec.15,1952. 99.81 So82

23722 EATHER, H. W. An ambassador from the bush. Rev. Internatl. du Bois 19(173):3,5,17. Nov.1952. 99.8 R326
Eucalyptus.

23723 GERRY, E., and KRYN, J. M. Espavé, espavel caracoli, quina. Anacardium excelsum (Bert. & Balb.) Skeels (= Rhinocarpus excelsa Bert. & Balb. = Anacardium rhinocarpus D.C.), family: Anacardiaceae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1932,6 p. Ref. 1952. 1.9 F761R

23724 GIRGIDOV, D. ÍA. Cork oak [Quercus suber]. (In Russian.) Les i Step' 4(8):78-80. Aug.1952. 99.8 L565

23725 GIRGIDOV, D. ÍA. Murray pine [Pinus contorta latifolia] and red oak in the north-western districts of U.S.S.R. (In Russian.) Lesn. Khoz. 5(7):8-13. July 1952. 99.8 L5622

23726 GORDEEV, A. V. Species with a high content of resin—Crimean and Austrian pines [Pinus nigra caramanica and P. nigra]. (In Russian.) Lesn. Khoz. 5(7):37-40. July 1952. 99.8 L5622

23727 GRANDJOT, W. Ein fremdling - erwarb deutsches gastrecht! Unser Wald 5(11):3-4. Nov.1952. 99.8 Un7
Quercus borealis.

23728 GT. BRIT. FORESTRY COMMISSION. The place of North-western American conifers in British forestry, by J. Macdonald. London,1952. 20 p. 99.25 G79

23729 GRIBANOV, L. N. Siberian larch and fine-leaf linden. (In Russian.) Les i Step' 6:77-78. June 1952. 99.8 L565
Windbreaks.

23730 HUGUET, L. L'arbre [Achras zapota] a pate a macher. Rev. Forest. Franç. 12:803-812. Dec.1952. 99.8 R329

23731 IVASHCHENKO, A. I. Prospective species of maple [Acer dasycarpum] for forest crops. (In Russian.) Lesn. Khoz. 5(6):42-44. June 1952. 99.8 L5622

23732 JAMES, N. D. G. A forestry letter. II. In praise of excellent men. Land Agents' Soc. J. 51:494-498. Nov.1952. 282.9 L22
History of tree species.

23733 KRAHL-URBAN. Die zukunft der deutschen eichenwirtschaft. Holz-Zentbl. 78:2111-2113. Dec.20, 1952. 99.81 H742

23734 KUNDZIN'SH, A. V. Cultivation of European alder [Alnus glutinosa] in Latvian SSR. (In Russian.) Lesn. Khoz. 5(7):14-16. July 1952. 99.8 L5622

23735 LIPP, L. F. Slow-growing white oak. Horticulture 31:20-21. Jan.1953. 80 H787

23736 LITTLE, E. L., JR., and DORMAN, K. W. Slash pine (Pinus elliottii), its nomenclature and varieties. J. Forestry 50:918-923. Ref. Dec.1952. 99.8 F768

23737 MANN. Die birke im walde. Hannoversche Land- u. Forstwirt. Ztg. 105:1220. Nov.29,1952. 18 H194

23738 MERCIER, L. Mes amis les arbres. Lyon, Editions et Imprimeries du Sud-Est,1951. 149 p. 99.05 M53

23739 NEGER, F. W. Die nadelhölzer (koniferen) und übrigen gymnospermen. Ed. 4, rev. and enl. by B. Huber. Berlin,Gruyter,1952. 140 p. (Sammlung Göschen 355) 452.3 N31

23740 PEACE, T. R. Poplars. Gt. Brit. Forestry Comn. B. 19,50 p. Ref. 1952. 99.9 G795

23741 PEACE, T. R., and WOOD, R. F. Poplars and poplar cultivation. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:83-87. 1952. 99.9 G795Re

23742 PESCOTT, E. E. Pitch-seed trees. Westralian Farmers' Co-op Gaz. 23:159-160. Oct.1952. 280.28 W522
Pittosporum.

23743 PETROV, M. F. On the importance of Pinus cembra sibirica in shelterbelt silviculture. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:177-186. Ref. 1951. 511 T59

23744 POURTET, J. Les peupliers en Yougoslavie. Rev. Forest. Franç. 12:819-826. Dec.1952. 99.8 R329

23745 PRATT, E. R. Populus eugenei. Q. J. Forestry 47:28-32. Jan.1953. 99.8 Q2

23746 RAVE. Über den anbauwert einiger ausländischer holzarten. Forst u. Holz 7:311-314. Nov.16, 1952. 99.8 F7724

23747 ROSLIAKOV, T. G. Cultivation of Eucalyptus in Moldavia. (In Russian.) Lesn. Khoz. 5(9):22-25. Sept. 1952. 99.8 L5622

23748 RUBNER, K. Die fichtenhochlagen des Bayerischen Waldes. Allg. Forstz. 7:507-509. Dec.3, 1952. 99.8 AL52

23749 SANTOS BILONI, J. El "ibirá-pitá-í" o viraró, otra buena esencia forestal indígena. Mundo Agr. 4(41):94. Oct.1952. 9 M92
Ruprechtia polystachya.

23750 SCHMIDT. Anbau und nachzucht der japanlärche [Larix leptolepis]. Landwirtbl. Weser-Ems 99: 1180-1181. Nov.20,1952. 18 L2345

23751 SHAISHMELASHVILI, A. G. Eucommia culture in Georgia. (In Russian.) Lesn. Khoz. 5(9):20-21. Sept. 1952. 99.8 L5622

23752 SMITH, N. F. Rock elm [Ulmus thomasi]. Timber Prod. B. 116:10-11. Nov.1952. 99.9 T482B

23753 SMITH, N. F. Slippery elm [Ulmus rubra]. Timber Prod. B. 117:10-11. Dec.1952. 99.9 T482B

23754 SOKOLOV, N. O. Results of study of Karelian birch. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:128-131. 1951. 99.9 Ak1

23755 SOUSA, J. S. I. DE. Brazil needs pine forests. (In Portuguese.) Chacaras e Quintais 86:47-49. July 15, 1952. 9.2 C34
Discussion of Araucaria angustifolia.

23756 STOIANOV, G. A. On names of elm trees. (In Russian.) Lesn. Khoz. 5(6):80. June 1952. 99.8 L5622

23757 WHITE, R. B. Baobab [Adansonia digitata] the upside-down tree. Nat. Mag. 46:13-15. Jan.1953. 409.6 N214

23758 ZHURBIN, A. I. New poplar hybrids. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:78-84. Ref. 1951. 99.9 Ak1

FOREST MANAGEMENT AND FINANCE

23759 ABETZ, K. Inventuraufnahme im kleinprivatwald. Allg. Forstz. 7:517-519. Dec.10,1952. 99.8 AL52

23760 ACHACOSO, I., and CHINTE, F. O. Stumpage appraisal as a basis for awarding timber licenses. (Abs.) Philippine J. Forestry 7:128. First/Fourth Q.1950,pub. 1952. 99.8 P53

23761 ATHENS. INSTITOUTON DASIKŌN EREUNŌN. Ē anagōge tōn premnophyōn dasōn eis epermophyē kai ē dasikē diacheirisis [La conversion du taillus et l'aminagement des forêts], par G. Militsis. Athens,1951. 495 p. 99.55 At4
German summary.

23762 BELCHER, R. G. Control of cutting practice. Noeast. Wood Util. Council. B. 40:63-73. Jan.1953. 99.9 N819
On small private woodlands.
Includes discussion.

23763 BELOV, N. Industrial and technical publicity at forest cutting enterprises in the North. (In Russian.) Lesn. Promysh. 12(8):30-31. Aug.1952. 99.82 L56

23764 BUGGE, O. Building of forest roads and our forestry schools. (In Norwegian.) Skogbrukeren 27:235-236. Oct.15,1952. 99.8 Sk54

23765 CALHOUN, J. C., JR., and COOLIDGE, S. The promotion of good forestry on private woodlots. Yale Conserv. Studies 1:19-29. Ref. May 1952. 279.8 Y1
Chiefly cooperative management.

23766 CRAIG, J. B. Insurance loans dividends of good forest management. Amer. Forests 59:28-29,34. Jan.1953. 99.8 F762

23767 DANNECKER, K. Der tannen-fichten-(buchen-) plenterwald. Allg. Forstz. 8:23-24. Jan.7,1953. 99.8 AL52

23768 DIETERICH. Forsteinrichtung und neufeststellung der einheitswerte des forstwirtschaftlichen vermögens. Holz-Zentbl. 78:1834-1836. Nov.6,1952. 99.81 H742

23769 DIMITZ, J. Waldwertrechnung als ergebnis der tatsächlichen erscheinungen und forderungen des wirtschaftslebens. Allg. Forstztg. 63:247-252. (Concl.) Nov.1952. 99.8 AL53

23770 DOLGOPOLOV, N. P. Preparation of equipment for summer work. (In Russian.) Lesn. Promysh. 12(6):12-13. June 1952. 99.82 L56
Forestry.

23771 GT. BRIT. FORESTRY COMMISSION. Utilisation of young plantation timbers in Great Britain, by F. G. O. Pearson and E. G. Richards. London,1952. 8 p. 99.75 G792

23772 GUDE, J. Dynamische forsteinrichtung. Österr. Vrtljahresschr. f. Forstw. 93:138-152. 1952. 99.8 Oe8
Planting, cutting and soil management; legal aspects.

23773 HENRIKSEN, H. A. Cutting capacity and production. (In Danish.) Dansk Skovfor. Tidsskr. 37:488-499. Oct.1952. 99.8 D23

23774 HOPPENSTEDT. Alter und wertleistung des waldbestandes. Landwirtbl. Weser-Ems 99:1086-1087. Oct.23,1952. 18 L2345

23775 HUBER, A. Wald und holz; möglichkeiten und stand der eigentumsbereinigung im zersplitterten privatwald. (Extr.) Schweiz. Bauer 106(133):5-6. (Cont.) Nov.14,1952. 17 Sch95

23776 IVONINSKII, A. F., CHILINGARIAN, T. KH., and POPOV, V. A. Aerial valuation--new technique of forest management. (In Russian.) Lesn. Khoz. 5(9):43-44. Sept.1952. 99.8 L5622

23777 JANKOWITSCH, J. Die intensivierung der forstwirtschaft im Wienerwald in den letzten zwei jahrzehnten. Österr. Vrtljahresschr. f. Forstw. 93:162-174. 1952. 99.8 Oe8

23778 KAPPES, H. Bodenvermörtelung im waldwegebau. Allg. Forstz. 7:512-513. Dec.3,1952. 99.8 AL52

23779 KLOTZ, K. Bewirtschaftung der hochlagenbestände des Bayer. waldes. Allg. Forstz. 8:10-11. Jan.2,1953. 99.8 AL52

23780 KOEHLER, W. Der haushaltsplan der forstverwaltung im lande niedersachsen für das jahr 1952. Deut. Forstmann, p.87-90. In Forst u. Holz 7(22). Nov.16,1952. 99.8 F7724

23781 LALOG, N. P. Suggested changes in determining the allowable cut applicable to Philippine dipterocarp forest. (Abs.) Philippine J. Forestry 7:129-130. First/Fourth Q.1950,pub.1952. 99.8 P53

23782 LOPEZ, M., and ABIJAY, F. The future of dipterocarp forest in the Philippines under the present system of utilization. (Abs.) Philippine J. Forestry 7: 148-149. First/Fourth Q.1950,pub.1952. 99.8 P53

23783 MAIER, P. Scheingewinne—buchungstechnisch dargestellt. Holz-Zentbl. 78:1943-1944. Nov.25,1952. 99.81 H742

23784 METY, B. P. Intensive timber management in Arkansas. Pacific Logging Cong. Loggers Handb. 12:62-66. 1952. 99.76 P112La

23785 MEYER, S. Harvard's forest filing system. Amer. Forests 58(12):24-25,41. Dec.1952. 99.8 F762

23786 MEYER, W. H. Regulation of cut in immature, understocked forests. J. Forestry 50:934-939. Dec. 1952. 99.8 F768

23787 MOSTOVOV, V. A. Amortization record of original capital in forest conservation stations. (In Russian.) Les i Step' 6:42-44. June 1952. 99.8 L565

23788 NORTHEAST PULPWOOD RESEARCH CENTER. Forest practice survey report. Gorham,N.H., 1952. 191 p. 99.551 N81

23789 ORESHKIN, S. I., and REPIN, M. V. Collaboration between science and industry. (In Russian.) Lesn. Promysh. 12(6):9-12. June 1952. 99.82 L56
Forestry.

23790 PENISTAN, M. J. Uneven-aged woods and the plan of operations. Q. J. Forestry 47:19-27. Jan.1953. 99.8 Q2

23791 READ, R. A. Conditioning Ozark forests for management. South. Lumberman 185(2321):322,324. Dec.15,1952. 99.81 So82

23792 SIVKOV, ĨŪ. Radio communications in LZS (forest conservation stations) deserve attention. (In Russian.) Les i Step' 4(8):86-87. Aug.1952. 99.8 L565

23793 SOKOLOV, A. I. Astrakhan foresters utilize machinery poorly. (In Russian.) Les i Step' 4(8):39-43. Aug.1952. 99.8 L565

23794 STAUB, W. Waldzusammenlegungen im Thurgau. Wald u. Holz 34:49-53. Nov.1952. 99.8 W14

23795 TODD, A. S. JR., and ZIRKLE, J. J. JR. A test of survey methods for estimating stumpage prices. Agr. Econ. Res. 4:115-125. Oct.1952. 1 Ec7Agr

23796 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. 1952 cutting record, farm forestry compartment 51—Crossett Experimental Forest. New Orleans,1952. 6 p. 1.9622 S2On2

23797 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. 1952 cutting record, "poor" farm forestry compartment 56—Crossett Experimental Forest. New Orleans,1952. 3 p. 1.9622 S2On22

23798 VASIL'EV, P. V., and SOLOV'EV, V. I. Forest management—an important factor in the development of Soviet forestry. (In Russian.) Lesn. Khoz. 5(9):33-36. Sept.1952. 99.8 L5622

23799 VENET, J. L'aménagement de la forêt domaniale de Haye. Schweiz. Z. f. Forstw. 103:345-356. Sept./Oct.1952. 99.8 J82

23800 WOODWARD, H. R., and FLORY, C. H. Forest management policy in State parks. Planning & Civic Comment 2:17-23. Oct./Dec.1952. 98.58 P69

Farm Woodlands

23801 ABETZ, K. Badens bauernwald-aufnahme ein vorbild! Bauern-Ztg. 5(49):7,11. Dec.1952. 18 B324
Report of findings of a committee of the Confédération Européenne de l'Agriculture.

23802 ADAMS, N. W. Markets and marketing, the key to better woodlot management. Pulp & Paper Mag. Canada 53(13):121-122. Dec.1952. 302.8 P96

23803 ADOMAT. Zum thema: "Die einheitsbewertung des kleinprivatwaldes." Allg. Forstz. 7:503-505. Nov.26,1952. 99.8 AL52

23804 BARELMANN. Eine erfolgreiche, neuzeitliche bauernwaldwirtschaft. Landwirtbl. Weser-Ems 99:1178-1179. Nov.20,1952. 18 L2345

23805 CHEREMISINOV, G. A. Experience of foresters of the "Put' k Kommunismu" kolkhoz. (In Russian.) Les i Step' 6:58-62. June 1952. 99.8 L565
Tillage and windbreaks.

23806 COLLINS, P. Break that South Dakota wind. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:10-13,21. Fall 1952. 100 So82S

23807 CUMMINGS, W. H., and THURMOND. A, K. Thin the pines, get fence posts. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68:16,78. Jan.1953. 6 P945K

23808 ELSÄSSER, A. Der mittelbare und unmittelbare beitrag des bäuerlichen waldes zur existenzsicherung der bäuerlichen betriebe Europas. Agrarpolit. Rev. 9:65-72. Sept /Oct.1952. 281.8 Ag824

23809 GREEN, J. Texas windbreaks. Org. Gard. 21:18-19,57-58. Jan.1953. 56.8 Or3

23810 KERNAN, H. S. Woodlots in Iran. Rur. New-Yorker 102:730,734. Dec.6,1952. 6 R88
A Point IV project.

23811 KRAVCHENKO, P. A. New tree species for the fields of Siberia. (In Russian.) Les i Step' 6:65-66. June 1952. 99.8 L565
Windbreaks.

23812 LAUBER, H. J. Die nordische vogelbeere [Sorbus intermedia] als windschutzpflanze für obstanlagen. Schweiz. Z. f. Obst- u. Weinbau 61:521-523. Dec.13,1952. 80 Sch9

23813 MECKLEY, A. H. Connecticut woodlands. Conn. Woodlands 17:75-77. Nov.1952. 99.8 C76
In relation to Soil Conservation Districts.

23814 METEER, J. W. The profit is in the harvest. Ohio Farmer 210(11):5,39. Dec.6,1952. 6 Oh3
Timber management.

23815 MOORE, R. R. Farm windbreaks in Utah. Utah. State Agr. Col. Ext. Fact Sheet 6,4 p. Aug.1952. 275.29 Ut1F

23816 NORTHEASTERN WOOD UTILIZATION COUNCIL. Pulpwood from small woodlands. Noeast. Wood Util. Council. B. 40,77 p. Jan.1953. 99.9 N819

23817 THRAN, P. Ertragssteigerungen durch den windschutz der wallhecken (knicks) in Schleswig-Holstein. Deut. Wetterdienst in der US-Zone. Ber. 32:57-59. 1952. 345 G313

23818 USHAKOV, M. M. Wild pear - best companion for main varieties [in shelterbelts]. (In Russian.) Les i Step' 4(8):88. Aug.1952. 99.8 L565

23819 WOLSING, H. How the Vendsyssel people have taken to shelterbelt planting. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 73:233-238. Nov.10,1952. 11 H35

23820 ZELENSKIĬ, M. A. Shelterbelts surrounding orchards. (In Russian.) Les i Step' 6:67-68. June 1952. 99.8 L565

Mensuration, Surveying, Photogrammetry

23821 ALDRICH, R. C. Accuracy of land-use classification and area estimates using aerial photographs. J. Forestry 51:12-15. Jan.1953. 99.8 F768

23822 ANDERSON, I. A. Photography. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:110. 1952. 99.9 G795Re

23823 BACK, R. Erfahrungen bei der forstlichen auswertung von luftbildern. Forstarchiv 23:180-183. Nov.15,1952. 99.8 F7723

23824 CRUIKSHANK, J. W. Rates of net annual growth in board feet applicable to large forested areas in Florida. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 7,2 p. Apr.1952. 1.9622 S4R312

23825 CRUIKSHANK, J. W. Rates of net annual growth in cords applicable to large forested areas in Florida. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 6,2 p. Apr.1952. 1.9622 S4R312

23826 FLOROVSKII, A. M. Oak, ash [Fraxinus] and Gleditschia triacanthos in the shelterbelts in Southern Ukraine. (In Russian.) Lesn. Khoz. 5(6):34-38. June 1952. 99.8 L5622
Study of growth.

23827 GLÄSER, H. Die fotografische methode zur festgehaltsermittlung von schichtholz. Papier 6:524-526. Dec.15,1952. 302.8 P1934

23828 HUMMEL, F. C. Studies of growth and yield. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:87-91. 1952. 99.9 G795Re

23829 JENTYS-SZAFEROWA, J. The method of representing the form of the crown of birches from various geographical latitudes. (In Polish.) Soc. Bot. Polon. Acta 21:735-745. 1952. 451 So16
English summary.

23830 JOHNSON, F. A., and CARMEAN, W. H. Sampling error in the estimation of site index. J. Forestry 51:26-27. Jan.1953. 99.8 F768

23831 KONIG, E. Merkmale für die beurteilung der inneren aestigkeit. Norddeut. Holzwirt. 6(68):4. Dec.6, 1952. 99.82 N75
Knottiness of wood.

23832 KOSNY, W. M. The stadia method for block pile surveys. Thunder Bay Timber Oper. Assoc. Log Book 4(3,i.e.4):6-7,20. Nov./Dec.1952. 99.9 T42
Estimating pulpwood in storage.

23833 KOZLENKO, G. M. Incorrect formula for determining the volume of a [tree] trunk. (In Russian.) Lesn. Khoz. 5(9):61. Sept.1952. 99.8 L5622

23834 LAER, W. VON. Gegenwärtiger stand und entwicklungsmöglichkeiten der forstlichen photogrammetrie. Forstarchiv 23:178-180. Nov.15,1952. 99.8 F7723

23835 LAER, W. VON. Die genauigkeit der photogrammetrisch hergestellten forstgrundkarte. Forstarchiv 23:195-198. Ref. Nov.15,1952. 99.8 F7723

23836 LAER, W. VON. Praktische luftbildauswertung für zwecke der forsteinrichtung. Forstarchiv 23:185-187. Nov.15,1952. 99.8 F7723
Photogrammetry in mapping and mensuration.

23837 LINDENMUTH, A. W. A better measuring tape for many woods uses. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 9,1 p. Apr.1952. 1.9622 S4R312
Plastic line.

23838 MICHAJLOW, J. Mathematische formulierung des gesetzes für wachstum und zuwachs der waldbäume und bestände. Schweiz. Z. f. Forstw. 103:368-380. Sept./Oct.1952. 99.8 J82

23839 MÖHLE, A. Verfahren der photogrammetrie und ihre bedeutung für wirtschaft und technik. Forstarchiv 23:177-178. Nov.15,1952. 99.8 F7723

23840 NABLO, S. U., and RONDILLA, R. Scaling. (Abs.) Philippine J. Forestry 7:139. First/Fourth Q. 1950,pub.1952. 99.8 P53

23841 RICHTER, H. Entzerrung von luftbildern bergigen geländes. Forstarchiv 23:194-195. Nov.15, 1952. 99.8 F7723

23842 ROZENBERG, V. A. Volume tables for valuation of young stands. (In Russian.) Lesn. Khoz. 5(6):70-72. June 1952. 99.8 L5622

23843 SCHÜTZ, W. Organisation forstlicher bildflüge. Forstarchiv 23:183-185. Nov.15,1952. 99.8 F7723

23844 SIBIRIAKOVA, M. D. On measuring the height of trees. (In Russian.) Lesn. Khoz. 5(6):67-70. June 1952. 99.8 L5622

23845 SPIECKER, M. Luftbild und "weiserstreifen." Forstarchiv 23:192-194. Nov.15,1952. 99.8 F7723

23846 SPIECKER, M. Zum gebrauch des luftbildes in der forstlichen praxis. Forstarchiv 23:187-188. Nov.15,1952. 99.8 F7723

23847 TODD, A. S. Rates of net annual growth in board feet applicable to large forested areas in South Carolina. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 2,2 p. Jan.1952. 1.9622 S4R312

23848 TOMASEGOVIC, Z. Zur frage der forstphotogrammetrie. Schweiz. Z. f. Forstw. 103:456-462. Ref. Nov.1952. 99.8 J82

23849 VOLKERT, E. Das luftbild als hilfsmittel der forstlichen standortskartierung. Forstarchiv 23:188-192. Nov.15,1952. 99.8 F7723

Silviculture

23850 ANDERSON, A. Elementos de silvicultura. Rev. de Agr. [San José] 24:299,301-302,304-306. (Cont.) Oct.1952. 8 Es1

23851 ANDERSON, A. Elementos de silvicultura. Rev. de Agr. [San José] 24:332-334,336-339. (Cont.) Nov.1952. 8 Es1

23852 BIALLOVICH, IU. P. Problems in silviculture along the South-Ukrainian Canal. (In Russian.) Lesn. Khoz. 5(6):32-34. June 1952. 99.8 L5622

23853 BRITISH COLUMBIA. FOREST SERV. A preliminary study of growth and development of some Douglas fir-ponderosa pine types, by M. B. Clark. Brit. Columbia. Forest Serv. Tech. P. T38,39 p. 1952. 99.9 B77P

23854 BUCHHOLZ, E. Neue ideen und theorien im sowjetischen waldbau. Allg. Forstz. 7:525-527. Ref. Dec.10,1952. 99.8 AL52

23855 CHINTE, F. O., and CEPEDA, T. D. Development and management of gubas [Endospermum] stand. (Abs.) Philippine J. Forestry 7:150. First/Fourth Q. 1950,pub.1952. 99.8 P53

23856 CRUIKSHANK, J. W. 10-year diameter growth of selected tree species in South Georgia. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 20,1 p. Oct. 1952. 1.9622 S4R312

23857 EIDMANN. Naturgemässe waldwirtschaft im lichte amerikanischer erfahrungen. Allg. Forstz. 8:13-16. Jan.7,1953. 99.8 AL52

23858 GONCHAROV, V. S., and others. Dry land silviculture in Northern Caspian. (In Russian.) Lesn. Khoz. 5(9):15-17. Sept.1952. 99.8 L5622
N. M. Zemtsova, N. F. Kulik, and I. P. Seperovich, joint authors.

23859 HAMANN, W. Waldbauliche faktoren der heidelandschaft. Hannoversche Land- u. Forstwirt. Ztg. 105:1176. Nov.15,1952. 18 H194

23860 HAWLEY, N. R. Rapid growth rates of longleaf-slash pine saw timber in the Middle Coastal Plain of Georgia. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 17,2 p. Oct.1952. 1.9622 S4R312

23861 HOLDRIDGE, L. R. Silvicultura en Costa Rica. Col. de Ingen. Agron. An. 4:73-76. 1951. 58.9 C82

23862 HUBER, B. Uber den wasserbedarf des waldes. Allg. Forstz. 8:22-23. Jan.7,1953. 99.8 AL52

23863 KOLDANOV, V. IA. Steppe silviculture—at a new stage of development. (In Russian.) Lesn. Khoz. 5(6):1-12. June 1952. 99.8 L5622

23864 KÖSTLER, J. N. Waldbestände im klimagefälle Süddeutschlands. Forstwiss. Centbl. 71:359-368. Ref. Nov./Dec.1952. 99.8 F775

23865 KOTIUKOV, A. E. Experiments in population analysis of oak (Quercus robur L.) according to phenological indications. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:180-195. Ref. 1951. 99.9 Ak1

23866 KRAUSS, G. A. Zur frage der forstlichen standortsrassen. Forstwiss. Centbl. 71:349-359. Nov./Dec.1952. 99.8 F775

23867 LEYTON, L. Mineral nutrient studies in heathland plantations. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:127-129. 1952. 99.9 G795Re

23868 LUGOVYKH, P. V. From the history of forest crops in Sverdlovsk Region. (In Russian.) Lesn. Khoz. 5(7):21-22. July 1952. 99.8 L5622

23869 MAYER-WEGELIN, H. Furniereichen-standorte. Holz-Zentbl. 78:1773-1775. Ref. Oct.25,1952. 99.81 H742

23870 OBNOVLENSKIĬ, V. M. Geographical variation in tree species and its use [as a guide] in the selection of trees and in growing tree seeds. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:36-57. Ref. 1951. 99.9 Ak1

23871 PICCAROLO, G. Poplar cultivation. II. What successive care to give? (In Italian.) Humus 8(9):24-27. Sept.1952. 16 H88

23872 ROVSKIĬ, V. M. Selection of tree species in Uzbekistan. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:132-151. Ref. 1951. 99.9 Ak1

23873 SIDERI, D. I., and ZOLOTUN, V. P. Improving conditions for the growth of oak in eroded soils of Zaporozhe. (In Russian.) Les i Step' 4(8):28-33. Aug. 1952. 99.8 L565

23874 SOKOLOV, D. D. Cultivation of pine on the Terek-Kuma sands. (In Russian.) Lesn. Khoz. 5(9):18-19. Sept.1952. 99.8 L5622
Pinus nigra and P. nigra caramanica.

23875 SUKACHEV, V. N. On some theoretical principles of scientific-research work in shelterbelt silviculture. (In Russian.) Lesn. Khoz. 5(6):19-26. June 1952. 99.8 L5622

23876 SURMACH, G. P. Oldest experimental point of shelterbelt silviculture (To the 50th anniversary of Kamyshin Experimental Point). (In Russian.) Les i Step' 4(9): 74-77. Sept.1952. 99.8 L565

23877 SVERIGES SKOGSAGAREFÖRBUND. Skogsvårdsarbetenas omfattning på bolagsjord i Sverige under perioden 1927—1951. [Extent of silvicultural work on company land in Sweden during the period 1927—1951]. Stockholm,1952. 11 p. 99.9 Sv22
Statistics.

23878 UNTERSUCHUNGEN zum wärme- und wasserhaushalt junger fichtenbestände. I-III. Forstwiss. Centbl. 71:322-349. Ref. Nov./Dec.1952. 99.8 F775
I, Der versuchsbestand, by K. Mauerer; II, Ein strahlungsbilanzmesser für forstmeteorologische untersuchungen, by G. Hofmann; III, Die strahlungsbilanz in einer fichtendickung, by A. Baumgartner; with an introduction by R. Geiger.

23879 WETTSTEIN, W. Die pappelkultur. Osterr. Gesell. f. Holzforsch. Schrreihe. 5,52 p. Ref. 1952. 99.9 Os72S

23880 WILSON, A. K. An age-vigor tree classification for Douglas-fir in Central Idaho. J. Forestry 50:929-933. Dec.1952. 99.8 F768

23881 WOBST, A. Kurzbericht über eine Picea omorica-versuchsfläche. Allg. Forstz. 8:21-22. Jan.7, 1953. 99.8 AL52

23882 WOOD, R. F., and NIMMO, M. Oak and larch mixtures at the early pole stage. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:46-51. 1952. 99.9 G795Re

Silvicultural Practices

23883 ALEKSEEV, S. V., and ZHULINSHIĬ, A. P. Leaving seed-tree screens during log hauling with TL-3 winch. (In Russian.) Lesn. Khoz. 5(4):54-55. Apr.1952. 99.8 L5622

23884 CHAPMAN, H. H. Effects of thinning on yields of forest-grown longleaf and loblolly pines at Urania, La. J. Forestry 51:16-26. Jan.1953. 99.8 F768

23885 COSENS, R. D. Epicormic branching on pruned white fir [Abies concolor]. J. Forestry 50:939-940. Dec. 1952. 99.8 F768

23886 DAVYDOV, A. V. On selecting trees in improvement cuttings. (In Russian.) Lesn. Khoz. 5(9):37-41. Sept.1952. 99.8 L5622

23887 D'IACHENKO, A. I. Clearcuttings in the coniferous forests of Northern Caucasus. (In Russian.) Lesn. Khoz. 5(6):66-67. June 1952. 99.8 L5622

23888 GURVICH, I. IA., and ELPAT'EVSKIĬ, M. P. Planning the drainage of forests. (In Russian.) Lesn. Khoz. 5(9):77-79. Sept.1952. 99.8 L5622

23889 HUCKENPAHLER, B. J. Ax or poison? South. Lumberman 185(2321):180-182. Dec.15,1952. 99.81 So82

23890 KANNENBERG, H. Waldböden und die düngung mit phosphorsäure. Landwirtbl. Weser-Ems 99: 1236. Dec.4,1952. 18 L2345

23891 KURUSHIN, F. M., and RUSANOV, S. G. Mechanization of forest crop culture. (In Russian.) Lesn. Khoz. 5(7):60-63. July 1952. 99.8 L5622

23892 LITTLE, S., SOMES, H. A., and ALLEN, J. P. Choosing suitable times for prescribed burning in southern New Jersey. Fire Control Notes 14:21-25. Jan.1953. 1 F766Fi

23893 LUNDBERG, G. Observations on location of forest ditches. (In Swedish.) Skogsägaren 28:195-199. Sept.1952. 99.8 Sk55

23894 MINCKLER, L. S. Early growth of managed upland hardwood forests in southern Illinois. U. S. Forest Serv. Cent. States Forest Expt. Sta. Notes 72,2 p. Dec.1952. 1.9 F76252S

23895 PEEVY, F. A., and GRANO, C. X. ABC's of hardwood control. South. Lumberman 185(2321):211-213. Dec.15,1952. 99.81 So82

23896 PISAR'KOV, KH. A. Increasing the effectiveness of forest land drainage. (In Russian.) Lesn. Khoz. 5(9):45-47. Sept.1952. 99.8 L5622

23897 RAZUMOV, V. P. Utilization of branch cutting method for improvement of pine wood quality. (In Russian.) Lesn. Khoz. 5(7):30-37. July 1952. 99.8 L5622

23898 REYNOLDS, R. R. Are suppressed pines inferior? South. Lumberman 185(2321):182-183. Dec.15, 1952. 99.81 So82

23899 RUBANOV, B. V. Deep furrowing in the dry steppes and semidesert area. (In Russian.) Lesn. Khoz. 5(9):13-14. Sept.1952. 99.8 L5622
Effect of tillage on growth of oak.

23900 SEROV, I. I. Methods of growing forest crops on areas with surplus moisture. (In Russian.) Lesn. Khoz. 5(7):92. July 1952. 99.8 L5622
Tillage chiefly.

23901 SEYMOUR, W. High pruning. Q. J. Forestry 47:50-51. Jan.1953. 99.8 Q2

23902 SHCHERBININ, N. M. Deep stirring without turning the sod—method of soil tillage for forest crops. (In Russian.) Lesn. Khoz. 5(9):9-13. Sept.1952. 99.8 L5622

23903 SLIFE, F. Kill trees and brush this winter. Successful Farming 51:44-45,52. Jan.1953. 6 Su12
Basal spraying with 2,4,5-T.

23904 SÖDERSTRÖM, V. Soil tillage this fall? (In Swedish.) Skogsägaren 28:200-201. Sept.1952. 99.8 Sk55

23905 ZEHETMAYR, J. W. L. Effect of high pruning on bark-peeling costs in Douglas fir. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:73-74. 1952. 99.9 G795Re

Seeding and Planting

23906 ADVISORY COMMITTEE ON FOREST RESEARCH. SUB-COMMITTEE ON NUTRITION PROBLEMS IN FOREST NURSERIES. Summary report on 1950 experiments, by E. M. Crowther and B. Benzian. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:113-122. 1952. 99.9 G795Re

23907 AL'BENSKIĬ, A. V. Methods for sexual hybridization of tree species. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:58-62. Ref. 1951. 99.9 Ak1

23908 ASIDDAO, F., and CAGUIOA, V. Natural vs. artificial regeneration of dipterocarp species. (Abs.) Philippine J. Forestry 7:149. First/Fourth Q.1950,pub. 1952. 99.8 P53

23909 ASIDDAO, F. Natural versus artificial reproduction of dipterocarp species. Philippine J. Forestry 7: 63-81. First/Fourth Q.1950,pub.1952. 99.8 P53

23910 BALIASOV, P. Growing ravine and gully plantings by the group method. (In Russian.) Lesn. Khoz. 5(6):30-31. June 1952. 99.8 L5622
Quercus.

23911 BIRIUKOV, N. M. New tool for nest planting of oak. (In Russian.) Les i Step' 6:51-53. June 1952. 99.8 L565

23912 BONNER, E. Preliminary observations on planting in the Clay Belt. Pulp & Paper Mag. Canada 54: 116,118. Jan.1953. 302.8 P96
Spruce in northern Ontario.

23913 BOZRIKOV, V. V. Experiments of the Bezenchuk station. (In Russian.) Les i Step' 4(8):80-81. Aug. 1952. 99.8 L565
Planting acorns.

23914 BRONITSKIĬ, S. A. Group planting of pine and birch. (In Russian.) Lesn. Khoz. 5(6):55-56. June 1952. 99.8 L5622

23915 CARMAN, R. S. How tree seed is procured. Pulp & Paper Mag. Canada 54:100-102,104,107. Jan.1953. 302.8 P96

23916 CHERNIKOV, V. A. Assisting the natural regeneration of [Dahurian] larch in the Far East. (In Russian.) Lesn. Khoz. 5(7):27-30. July 1952. 99.8 L5622

23917 CHERNOV, A. I. Adjusting the wheels of SOT-3 tractor for inter-row tillage [in forest plantings and nurseries]. (In Russian.) Lesn. Khoz. 5(6):84-86. June 1952. 99.8 L5622

23918 CLAVERIA, J. R., and FONTANILLA, F. Narra [Pterocarpus] as a reforestation crop. (Abs.) Philippine J. Forestry 7:156-157. First/Fourth Q.1950, pub.1952. 99.8 P53

23919 CORALES, J., and CERNA, P. DE LA. Cebu reforestation project. Philippine J. Forestry 7:5-21. First/Fourth Q.1950,pub.1952. 99.8 P53

23920 DENUYL, D. Growth and development of hardwood seedlings. Ind. Acad. Sci. Proc. 61:81-89. 1951, pub.1952. 500 In2

23921 DERII, I. G. Equipment for climbing on trees [for seed collecting chiefly]. (In Russian.) Lesn. Khoz. 5(6):90-92. June 1952. 99.8 L5622

23922 EDWARDS, M. V. Provenance studies. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:38-43. 1952. 99.9 G795Re

23923 FAULKNER, R., and HOLMES, G. D. Experimental work in nurseries. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:15-26. 1952. 99.9 G795Re

23924 GAEL', A. G., znd DZIUBA, A. S. Afforestation of the hilly sands near the Caspian semidesert. (In Russian.) Lesn. Khoz. 5(6):39-42. June 1952. 99.8 L5622

23925 GERASIMOV, M. V. Methods of vegetative propagation of Eucommia. (In Russian.) Lesn. Khoz. 5(7):80-82. July 1952. 99.8 L5622

23926 GIRGIDOV, D. IA. Organization of pine seed plots. (In Russian.) Les i Step' 4(9):19-20. Sept.1952. 99.8 L565

23927 GLUTSKII, I. I. Reforestation of clear-cut area at Irpensk. (In Russian.) Les i Step' 4(8):90. Aug. 1952. 99.8 L565

23928 GONCHAR, A. I. Drill for holes on sunny slopes for tree planting. (In Russian.) Les i Step' 6:49-50. June 1952. 99.8 L565

23929 GOROVOI, I. L. It is time to begin afforestation of the ravines alongside the [river] Desna. (In Russian.) Les i Step' 4(8):88-89. Aug.1952. 99.8 L565

23930 GRIAZNOV, A. I. Acorn planting in the autumn. (In Russian.) Les i Step' 4(9):67-68. Sept.1952. 99.8 L565

23931 HITT, R. G. Forest tree breeding in Sweden and other European countries. J. Forestry 50:924-928. Dec.1952. 99.8 F768

23932 HOLMES, G. D. Forest tree seed investigations. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:13-15. 1952. 99.9 G795Re

23933 HOSIE, R. C. The reasons for planting and the problems involved. Pulp & Paper Mag. Canada 54:109, 111-112,115. Jan.1953. 302.8 P96
Populus.

23934 HOUTZAGERS, G. Forest genetics and poplar breeding in the Netherlands. II. Euphytica 1:161-174. Ref. Oct.1952. 450 Eu6

23935 HVOSLEF, O. Competition in forest planting. (In Norwegian.) Skogen [Oslo] 17:85-90. 1952. 99.8 Sk56

23936 IAKIMENKO, F. L. Autumn planting of acorns. (In Russian.) Les i Step' 6:62-65. June 1952. 99.8 L565

23937 IL'ICHEV, D. A., and FEDORAKO, B. I. Growing Populus in Bashkiria. (In Russian.) Lesn. Khoz. 5(9): 58-60. Sept.1952. 99.8 L5622

23938 IL'IN, A. I. Effect of size of pine seeds on their quality. (In Russian.) Lesn. Khoz. 5(7):54-55. July 1952. 99.8 L5622

23939 ISTOMIN, L. A. Experiment in aerial sowing [of Pinus] in Kirov Region. (In Russian.) Lesn. Khoz. 5 (7):86-87. July 1952. 99.8 L5622

23940 JACOB, E. Casuarina equisetifolia. Madras Agr. J. 39:521-522. Oct.1952. 22 M262
Planting.

23941 KIRSANOV, M. P. Growing oak forests in the Salsk Steppes. (In Russian.) Lesn. Khoz. 5(7):5-7. July 1952. 99.8 L5622

23942 KONEV, G. I. Natural regeneration in the clearings of the cedar [Cedrus] groves. (In Russian.) Lesn. Khoz. 5(6):57-60. June 1952. 99.8 L5622

23943 KOSHCHEEV, A. L. Silvicultural importance of accessory shoots of tree species [for vegetative propagation]. (In Russian.) Lesn. Khoz. 5(9):48-50. Sept.1952. 99.8 L5622

23944 KRYLOV, G. V. First scientific work of afforestation in Russia. (In Russian.) Les i Step' 6:80-82. June 1952. 99.8 L565

23945 KULIKOV, G. I. Shading seedlings in [forest] nurseries. (In Russian.) Lesn. Khoz. 5(6):89. June 1952. 99.8 L5622

23946 KUZNETSOV, G. S. On norms for planting seeds of tree and shrub species [in forest nurseries]. (In Russian.) Les i Step' 4(9):27-31. Sept.1952. 99.8 L565

23947 LARAYA, S., and ORO, M. Causes of failures in forest plantations and their solutions. (Abs.) Philippine J. Forestry 7:158-159. First/Fourth Q.1950,pub. 1952. 99.8 P53

23948 LARAYA, S. Some causes of failures in forest plantations and their solutions. Philippine J. Forestry 7: 23-29. First/Fourth Q.1950,pub.1952. 99.8 P53

23949 LEBEDENKO, L. A. Growing Quercus ilex on Apsheron [Peninsula]. (In Russian.) Lesn. Khoz. 5(7):19-20. July 1952. 99.8 L5622

23950 LEVIN, A. M. Vegetative propagation of Quercus robur by grafting. (In Russian.) Lesn. Khoz. 5(6):53-55. June 1952. 99.8 L5622

23951 LIAKHOVICH, S. Dense plantings of pine in the nursery beds. (In Russian.) Lesn. Khoz. 5(9):21-22. Sept.1952. 99.8 L5622

23952 LIMSTROM, G. A. Effects of grading strip-mined lands on the early survival and growth of planted trees. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 130,35 p. Ref. Nov.1952. 1.9622 C3T222

23953 LIZARDO, L. Benguet pine (Pinus insularis Endl.) as a reforestation crop. Philippine J. Forestry 7: 43-61. First/Fourth Q.1950,pub.1952. 99.8 P53

23954 LIZARDO, L., and JUNI, R. A. Benguet pine [Pinus insularis] as a reforestation crop in the Philippines. (Abs.) Philippine J. Forestry 7:155-156. First/Fourth Q.1950,pub.1952. 99.8 P53

23955 LOTOTSKII, I. S. Acorn storage in Ukrainian SSR under industrial conditions. (In Russian.) Lesn. Khoz. 5(7):50-52. July 1952. 99.8 L5622

23956 MACDONALD, J. A. B. Natural regeneration of Scots pine woods in the Highlands. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:26-33. 1952. 99.9 G795Re

23957 MACÍAS ARELLANO, L. Reforestación, teoría y práctica. Mexico,Secretaría de Agricultura y Ganaderia, Dirección General Forestal y de Caza,1951. 330 p. Ref. 99.47 M18

23958 MAKARYCHEV, N. T. Experience in summer-autumn planting of acorns. (In Russian.) Les i Step' 4 (8):54-57. Aug.1952. 99.8 L565

23959 MATTHEWS, J. D. Forest genetics. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:74-82. 1952. 99.9 G795Re

23960 MEIDELL, A. Reforestation at Vestlandet. (In Norwegian.) Norsk Skogindus. 6:408-410. Dec.1952. 99.82 N81

23961 MISHCHENKO, K. S. Our method of storing acorns. (In Russian.) Les i Step' 4(9):79-80. Sept.1952. 99.8 L565

23962 MÜLLER, A. Ein beispiel zur natursaat der höhenkiefer in fichtenbeständen. Wald 2:346-347. Nov. 1952. 99.8 W143
Pinus sylvestris.

23963 NIKITENKO, N. A. New method of preserving seedlings and acorns. (In Russian.) Les i Step' 4(8):70-71. Aug.1952. 99.8 L565
Proper storage.

23964 OLSON, D. F. Regeneration of south Florida slash pine [Pinus caribaea] is subject of new research. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 18,2 p. Oct.1952. 1.9622 S4R312

23965 ONOFRI, A. Consideraciones sobre viveros y forestación con plantas para celulosa y pasta mecánica. Soc. Argentina de Hort. B. 10:59-67. Apr./June 1952. 83 So1

23966 PARKER, J. Establishment of eastern red-cedar [Juniperus virginiana, L.] by direct seeding. J. Forestry 50:914-917. Ref. Dec.1952. 99.8 F768

23967 PARKER, J. New methods for the determination of forest tree seed germinability. J. Forestry 51:34. Jan.1953. 99.8 F768

23968 PAVLENKO, F. A. Systems and methods of mechanized sowing in forest nurseries. (In Russian.) Lesn. Khoz. 5(9):73-75. Sept.1952. 99.8 L5622

23969 PAVLOVSKII, E. Corridor method of growing oak in the shelterbelts. (In Russian.) Kolkhoz. Proizvodstvo 12(7):50-52. July 1952. 281.8 K83

23970 PESTEREV, A. P. Aerial sowing as a method of forest regeneration in the felled areas of the North [U.S.S.R.]. (In Russian.) Lesn. Khoz. 5(9):29-32. Sept. 1952. 99.8 L5622

23971 PIATNITSKII, S. S. Sum total of the work on oak selection. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:63-71. Ref. 1951. 99.9 Ak1
Hybridization.

23972 PINCHIN, R. D. Survey of plantations of open-cast ironstone mining areas in the Midlands. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:51-54. 1952. 99.9 G795Re

23973 PINCHUK, M. G. To carry out properly the collecting, transportation and storage of acorns. (In Russian.) Les i Step' 4(9):84-87. Sept.1952. 99.8 L565

23974 PODGURSKII, P. F. Preliminary storage of acorns. (In Russian.) Lesn. Khoz. 5(9):65-66. Sept.1952. 99.8 L5622

23975 POGREBNIAK, P. S. Nest planting of pine in sands. (In Russian.) Les i Step' 4(8):23-27. Aug.1952. 99.8 L565

23976 PONOMARENKO, A. I. Simultaneous sowing and planting of forest crops. (In Russian.) Lesn. Khoz. 5(7):79-80. July 1952. 99.8 L5622

23977 PRAVDIN, L. F. Present state of and ways for developing the selection of tree species and knowledge of tree seeds. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:5-35. Ref. 1951. 99.9 Ak1

23978 PREOBRAZHENSKII, A. V. Density of sowing Coniferae seeds on fresh clearings. (In Russian.) Lesn. Khoz. 5(7):17-18. July 1952. 99.8 L5622

23979 PUZYR, H. Eine einfache methode zur verlustfreien und kostensparenden aufzucht von sämlingspflanzen. Allg. Forstztg. 63:246. Nov.1952. 99.8 AL53

23980 RAMBO, L. Test tube pine trees. South. Lumber J. 57:20,22,24,86,88. Jan.10,1953. 99.81 So8

23981 RAT'KOVSKIĬ, S. P. Forests of Tian-Shan spruce [Picea schrenkiana] and their regeneration. (In Russian.) Lesn. Khoz. 5(9):52-55. Sept.1952. 99.8 L5622

23982 REISINGER, and others. Kulturbetrieb. Allg. Forstztg. 63:274. Dec.1952. 99.8 AL53
Abstracts of papers by Reisinger, E. G. Strehlke, H. A. Rosenstock and Lubisch.
Planting, weed control and plowing.

23983 ROVSKIĬ, V. M. Effect of growth conditions on fruiting of the common pine (Pinus sylvestris L.) and the Crimean pine (P. pallasiana Lamb). (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:173-179. 1951. 99.9 Ak1

23984 RÜEDI, K. Die aufforstungen im gebiete des kraftwerkes Rupperswil. Schweiz. Z. f. Forstw. 103:356-368. Sept./Oct.1952. 99.8 J82

23985 RUPF, H. Der forstpflanzgarten. München, Bayerischer Landwirtschaftsverlag,1952. 300 p. Ref. 99.47 R872

23986 RYVKIN, B. V. Simple process of obtaining birch seedlings. (In Russian.) Les i Step' 4(8):78. Aug. 1952. 99.8 L565

23987 SCHÖNBACH. Fragen der forstpflanzenzüchtung, insbesondere anlage von saatzuchtplantagen. Wald 2:342-346. (Cont.) Nov.1952. 99.8 W143

23988 SHCHEPOT'EV, F. L. I. V. Michurin and Soviet dendrology. (In Russian.) Les i Step' 6:11-17. June 1952. 99.8 L565

23989 SHEVCHENKO, I. D. Time for harvesting and sowing seeds of fine-leaf linden. (In Russian.) Les i Step' 4(8):36-38. Aug.1952. 99.8 L565

23990 SHEVCHENKO, S. V. Carpathian silver fir [Abies alba] groves and methods of regenerating them. (In Russian.) Lesn. Khoz. 5(9):50-52. Sept.1952. 99.8 L5622

23991 SOLLOGUB, A. N. On acorn storage. (In Russian.) Lesn. Khoz. 5(9):66-68. Sept.1952. 99.8 L5622

23992 TEAGUE, P. D. Aspects of Australian Pines and Products Ltd.—planting of Pinus caribaea. Austral. Timber J. 18:499,509-510,512,514,516,518,520. Aug.1952. 99.81 Au7

23993 TERESHCHENKO. For a more daring introduction of Larix [decidua] into the beech [Fagus] forests of Transcarpathia. (In Russian.) Lesn. Khoz. 5(9):90. Sept.1952. 99.8 L5622

23994 TROUSDELL, K. B. Bumper loblolly cone crop forecast for Virginia-North Carolina area in 1953. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 16,2 p. Oct.1952. 1.9622 S4R312

23995 TRYON, E. H. Forest cover for spoil banks. W. Va. Agr. Expt. Sta. B. 357(1):4. Sept.1952. 100 W52

23996 VANOVSKIĬ, P. IA., and VORONTSOV, F. K. Accelerated stratification of forest seeds. (In Russian.) Lesn. Khoz. 5(9):62-64. Sept.1952. 99.8 L5622

23997 VASHKULAT, P. N. Vegetative propagation of Amur velvet tree [Gynura]. (In Russian.) Lesn. Khoz. 5(9):25-29. Sept.1952. 99.9 L5622

23998 VEIGA, A. DE A. How to trace an alignment in equilateral triangles. (In Portuguese.) Soc. Rur. Bras. Rev. 32(381):98. Oct.1952. 9.2 B733
With reference to Eucalyptus planting.

23999 VEIGA, A. DE A. Selection of containers for growing of Eucalyptus. (In Portuguese.) Soc. Rur. Bras. Rev. 32(381):72. Oct.1952. 9.2 B733
Seedlings for transplanting.

24000 VIADO, J., and CHINTE, F. O. Mahogany [Swietenia] as a reforestation crop. (Abs.) Philippine J. Forestry 7:156. First/Fourth Q.1950,pub.1952. 99.8 P53

24001 ZEHETMAYR, J. W. L. Position of planting on ploughed heathland. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:33-38. 1952. 99.9 G795Re

24002 ZEHETMAYR, J. W. L. Problems of moorland afforestation. Q. J. Forestry 47:32-40. Jan.1953. 99.8 Q2

24003 ZEHETMAYR, J. W. L. Work on afforestation problems in Scotland and northern England, 1950-51. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:43-46. 1952. 99.9 G795Re

24004 ZELL', A. A. Mechanized digging up of planting stock [in forest nurseries]. (In Russian.) Lesn. Khoz. 5(9):75-76. Sept.1952. 99.8 L5622

24005 ZHURBIN, A. I. Overcoming difficulties in crossing poplar species with the aid of reduced temperature and darkness. (In Russian.) Akad. Nauk SSSR. Inst. Lesa. Trudy 8:85-87. 1951. 99.9 Ak1

Forest Protection and Damage

24006 BOCK, F., and RICHTER, H. Die wildbach- und lawinenverbauung in Osterreich nach dem zweiten weltkrieg. Allg. Forstztg. 63:265-268. Dec.1952. 99.8 AL53

24007 CHENTSOVA, N. IU. Poisoned baits for the control of rodents in the forest plantations. (In Russian.) Lesn. Khoz. 5(6):81-82. June 1952. 99.8 L5622

24008 DUGELAY, A. La déforestation du Karst en Yougoslavie. Rev. Forest. Franç. 12:827-832. Dec.1952. 99.8 R329

24009 FENSKA, R. R. Mechanical injuries to trees. Amer. Forests 58(12):26,41-42. Dec.1952. 99.8 F762

24010 FRANK, F. Mauseschäden in forstkulturen. Forstarchiv 23:199-200. Nov.15,1952. 99.8 F7723

24011 HOWARD, W. E., and HJERSMAN, H. A. Deer repellent sprays not harmful to foliage on two-year-old trees. J. Wildlife Mangt. 16:390-391. July 1952. 410 J827

24012 IVASHCHENKO, A. I. Safeguarding roadside plantations from damage by grazing cattle. (In Russian.) Les i Step' 4(8):87-88. Aug.1952. 99.8 L565

24013 JAPAN. GOVERNMENT FOREST EXPERIMENT STATION. Study of the fallen snow on the forest trees. (The first report). (In Japanese.) Rin-Go-Shiken-Hokoku 54:115-164. Oct.1952. 99.8 R47
English summary.

24014 KUCHIN, V. P. Ensuring safeguards for costly forest plantations and trees. (In Russian.) Les i Step' 6: 84-85. June 1952. 99.8 L565

24015 PACKER, P. E. Effects of trampling disturbance on watershed condition, runoff, and erosion. J. Forestry 51:28-31. Jan.1953. 99.8 F768

24016 PEEVY, F. A., and MANN, W. F., JR. Slash and loblolly pine plantation destroyed by hogs. Forests & People 2(4):20,37. Fourth Q.1952. 99.8 F7628

24017 SCHLEICHER, H. Beitrag zur wildschadenverhütung. Schweiz. Z. f. Forstw. 103:388-389. Sept./Oct.1952. 99.8 J82

24018 TROUSDELL, K. B. Loblolly pine [Pinus taeda] seed-trees removed with minor damage to seedling stand. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 8,2 p. Apr.1952. 1.9622 S4R312

24019 WILSON, A. K. Rodent damage in ponderosa pine plantations. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Note 3,2 p. May 1952. 1.9622 I2R312

Fire

24020 BUCKSTEIN, M. E. Ontario's Indian firefighters. Sylva [Toronto] 8(5):11-14. Sept./Oct.1952. 99.8 Sy5

24021 BYRAM, G. M., and NELSON, R. M. Lethal temperatures and fire injury. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 1,2 p. Jan.1952. 1.9622 S4R312

24022 CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. FOREST RESEARCH DIV. Forest fire losses in Canada, 1951. Ottawa,1952. 10 p. 99.9 C1692

24023 CHAIKEN, L. E. Annual summer fires kill hardwood root stocks. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 19,1 p. Oct.1952. 1.9622 S4R312

24024 CHAIKEN, L. E. Extent of loss of loblolly pine [Pinus taeda] seed in winter fires. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 21,2 p. Oct.1952. 1.9622 S4R312

24025 COCHRAN, A. R. Fire control training in easy years. Fire Control Notes 14:40-42. Jan.1953. 1 F766Fi

24026 FERRELL, W. K., and OLSON, D. S. Preliminary studies on the effect of fire on forest soils in the western white pine [Pinus monticola] region of Idaho. Idaho. U. Forest., Wildlife & Range Expt. Sta. Res. Notes 4,5 p. June 30,1952. 99.9 Id14R

24027 FITE, F. M. Fire weather forecasts. Fire Control Notes 14:18-20. Jan.1953. 1 F766Fi

24028 FITZGERALD, O. A. Four-day woodsmen. Amer. Forests 58(12):22-23,33-34. Dec.1952. 99.8 F762
Fire control school in Idaho.

24029 FRASER, D. G. Polarizing screens and rangefinders as aids in forest fire detection. Fire Res. L. 7, 3 p. May 1952. 99.8 F51

24030 GRECO, V. A. Planes vs. mules. Fire Control Notes 14:30-31. Jan.1953. 1 F766Fi
In forest fire control.

24031 GUSTAFSON, C. A. Fire prevention. Fire Control Notes 14:1-13. Jan.1953. 1 F766Fi

24032 HOPKINS, A. S. The Northeastern Forest Fire Protection Commission. Fire Control Notes 14:35-37. Jan.1953. 1 F766Fi

24033 INOUE, K. Moisture indicator paper for fire-weather forecast. (In Japanese.) Rin-Go-Shiken-Hokoku 54:79-100. Ref. Oct.1952. 99.8 R47
English summary.

24034 LINDENMUTH, A. W., and KEETCH, J. J. Fire prevention efforts pay off in the Northeast. Fire Control Notes 14:14-16. Jan.1953. 1 F766Fi

24035 LINDENMUTH, A. W., and KEETCH, J. J. Fire prevention efforts pay off in the Northeast. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 12,2 p. July 1952. 1.9622 S4R312

24036 MCCULLOUGH, R. N. Fire tool box mounted on equipment trailer. Fire Control Notes 14:17. Jan. 1953. 1 F766Fi

24037 PETTIGREW, T. A. Dispatcher's record on concentration of lightning fires. Fire Control Notes 14: 34. Jan.1953. 1 F766Fi

24038 PETTIGREW, T. A. Smokey Bear fire danger rating meter. Fire Control Notes 14:32-33. Jan.1953. 1 F766Fi

24039 ROBINSON, D. D. Gasoline power-saw operation fires. Pacific Logging Cong. Loggers Handb. 12:67-73. 1952. 99.76 P112La

24040 ROBINSON, D. D. Power-saw operation fires. Fire Control Notes 14:43-46. Jan.1953. 1 F766Fi

24041 ROWLAND, H. B. Teamwork on a fire. Fire Control Notes 14:38-39. Jan.1953. 1 F766Fi

24042 SEARS, H. M. Willful woods burning No. 1 forestry problem in the South. South. Lumberman 185 (2321):136-139. Dec.15,1952. 99.81 So82

24043 U. S. FOREST SERV. AERIAL EQUIPMENT DEVELOPMENT CENTER. Methods of reinforcing standard 5-gallon gasoline cans for dropping. Fire Control Notes 14:26-29. Jan.1953. 1 F766Fi
For delivery of water to fire fighters.

24044 VICTORIA, AUSTRALIA. FORESTS COMMISSION. Fire protection in Victoria, Australia, by E. R Torbet. Melbourne,1952. 15 p. 99.51 V662

Forest Influences

24045 BIALYI, A. M. Forest shelterbelts and the water content of soil. (In Russian.) Les i Step' 6:18-23. June 1952. 99.8 L565

24046 DUNFORD, E. G. Some relationships between timber cutting and snow storage in the Rocky Mountains. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:71. Oct.1952. 500 C717

24047 GRIGOR'EV, G. V. Greater attention to water-protecting forests. (In Russian.) Les i Step' 4(9):88-89. Sept.1952. 99.8 L565

24048 JANSEN, W. L. Importance of the Dutch forest. (In Dutch.) Houthandel 5:297-301. Oct.23,1952. 99.81 H81

24049 KIRWALD, E. Zum vortrag von Prof. Dr. Wittich, "der einfluss des waldes auf die wasserwirtschaft des landes." Allg. Forstz. 7:493-498. Nov.26, 1952. 99.8 AL52
With remarks by R. Ganssen.

24050 KREUTZ, W. Neuere erkenntnisse auf dem gebiete des windschutzes. Deut. Wetterdienst in der US-Zone. Ber. 32:59-67. 1952. 345 G313
Includes discussion.

24051 LABUNSKIY, I. M. Veliko-Anadol'skii forest - moisture supplier of the steppe. (In Russian.) Les i Step' 6:24-27. June 195 99.8 L565

24052 LEBEDEV, P. S. Poplar rows along canals. (In Russian.) Les i Step' 4(8):62-65. Aug.1952. 99.8 L565
Forest influences.

24053 MARTAKOV, A. P. Haloxylon in snow preserving belts in Turksib. (In Russian.) Les i Step' 4(8): 65-69. Aug.1952. 99.8 L565

24054 PRIEHAUSSER, G. Ein konkretes beispiel zum einfluss des waldes auf die wasserwirtschaft einer landschaft. Allg. Forstz. 7:505-507. Dec.3,1952. 99.8 AL52

24055 SIEBERT, A. Zur gegenwärtigen lage des windschutzproblems in Deutschland. Übersicht 3(10):43-48. Oct.1952. 18 Ub3

24056 U. S. FOREST SERV. Forest influences publications, 1939-1952, by personnel of the Forest Service, U. S. Dept. of Agriculture, by H. F. Morey and H. C. Fletcher, supplemented by T. G. Storey. Washington,1952. 31 p. 1.962 F5D35

24057 VAKHRUSHIN, G. S. Development of snow protecting belts with the inclusion of fir [Picea] in the forest-steppe districts of Omsk Region. (In Russian.) Lesn. Khoz. 5(6):51-52. June 1952. 99.8 L5622

24058 WENDOVER, R. F. Observations of the effect on stream-flow of transpiration from the forest cover. Philippine J. Forestry 7:89-94. First/Fourth Q.1950,pub. 1952. 99.8 P53

Miscellaneous Forest Uses

24059 HAMBLY, R. H., and FOSTER, W. T. Without reservation! Sylva [Toronto] 8(5):16-19. Sept./Oct.1952. 99.8 Sy5
Preserving strips of standing timber, especially around lakes and along rivers.

24060 KERR, E. Pine tree cowboys start a new era. Forests & People 2(4):11-17. Fourth Q.1952. 99.8 F7628
Forest grazing in Louisiana.

FOREST INDUSTRIES AND TRADE

24061 ARREGUI ECHEVERRIA, G. La economia maderera y la industria de la celulosa en España. Rev. Indus. y Fabril 7:486-490. Sept.1952. 297.8 R322

24062 BESWICK, R. M. Some impressions of Canada. T. D. A. Q. Rev. 3(7):16-17. Oct.1952. 99.9 T48T

24063 BUCHHOLZ, E. Holzwirtschaft und holzexport. Osteuropa 2:453-457. Dec.1952. 110 Os7
Union of Soviet Socialist Republics.

24064 EUTING, H. H. Rückblick und ausschau an der schwelle des neuen wirtschaftsjahres. Holz 6:233-235. Oct.1952. 99.82 H743

24065 FARNSWORTH, P. T. Redwood keeps growing. Calif. Lumber Merchant 31(11):50,57. Dec.1,1952. 99.81 C12
Industry.

24066 HEINRICHS, W. Der preis entscheidet wettbewerb zwischen holz und kunststoffen. Holz-Zentbl. 78: 1752-1753. Oct.23,1952. 99.81 H742

24067 HEINRICHS, W. Streiflichter vom finnischen holzmarkt. Norddeut. Holzwirt. 6(57):2. Nov.11,1952. 99.82 N75

24068 HOFMANN, F. Holz aus übersee—ein interessantes geschäft voller risiko. Holz-Zentbl. 78:2127-2128. Dec.20,1952. 99.81 H742

24069 JUDSON, G. M., and SWITZER, G. L. Study seeks improvement of timber marketing in northeast Mississippi area. Miss. Farm Res. [Miss. Sta.] 15(10): 1,5-8. Oct.1952. 100 M69Mi

24070 KERSTEN. Normung, werbung und absatz. Holz-Zentbl. 78:1955. Nov.27,1952. 99.81 H742

24071 LEEUWEN, J. H. VAN. The reputation of native wood. (In Dutch.) Houthandel 5:292-295. Oct.23, 1952. 99.81 H81

24072 MAUNDER, E. R. History, is it bunk or good business? South. Lumberman 185(2321):140-143. Dec.15, 1952. 99.81 So82

24073 NATIONAL HARDWOOD LUMBER ASSOCIATION. 1952 year book and official report, fifty-fifth annual meeting, Hotel Statler Boston, Massachusetts, September twenty-second to twenty-fifth,nineteen hundred and fifty-two. Chicago?1952. 351 p. 99.76 N211R

24074 OSLO. SKOGBRUKETS OG SKOGINDUSTRIENES FORSKNINGSFORENING. Beretning og regnskap [Report and accounts], 4, 1951. Oslo,1952. 37 p. 99.9 Os52

24075 OSLO. SKOGINDUSTRIENES ØKONOMISKE INSTITUTT. Beretning og regnskap [Report and accounts of the Forest Industries Economic Institute], 2, 1951. Oslo,1952. 11 p. 99.9 Os53
English summary.

24076 SIMPSON, H. V. Lumber demand tied to light construction industry. Calif. Lumber Merchant 31(11): 16-17,98. Dec.1,1952. 99.81 C12

24077 SPEER, J. Forst- und holzbilanz der Bundesrepublik Deutschland im forstwirtschaftsjahr 1952. Allg. Forstz. 8:1-7. Jan.2,1953. 99.8 AL52

24078 SPRANGERS, A. A. C. The future of native wood. (In Dutch.) Houthandel 5:289-291. Oct.23,1952. 99.81 H81

24079 SURDAM, E. National Forest Industries Communications. Pacific Logging Cong. Loggers Handb. 12: 74-75. 1952. 99.76 P112La
Radio.

24080 TINKLER, J. E. Utilización integral del bosque, mediante la industrialización de la madera. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.332-335. Temuco,1952. 27 C7655

24081 WANGAARD, F. F. Forest-products industries of the United States. Mech. Engin. 75:9-15. Jan. 1953. 291.9 Am3J

24082 WELSH, J. W. Here is why lumber dealers should spearhead forestry conservation. Wood Constr. & Bldg. Mater. 39:19-21. Jan.1953. 99.81 W852

Lumbering

24083 AGUILAR, L., and SUAREZ, V. Nature and extent of logging and sawmilling wastes and how to minimize them. (Abs.) Philippine J. Forestry 7:138-139. First/Fourth Q.1950,pub.1952. 99.8 P53

24084 BRODERICK, R. E. 321 years later. Northeastern lumber manufacturing industry born in 1631, still going strong. South. Lumberman 185(2321):159-160. Dec.15,1952. 99.81 So82

24085 CROWE, W. S. Historical notes on Michigan's lumber industry. Timber Prod. B. 116:14-15. (Cont.) Nov.1952. 99.9 T482B

24086 CROWE, W. S. Historical notes on Michigan's lumber industry. Timber Prod. B. 117:14-15. (Cont.) Dec.1952. 99.9 T482B

24087 FORBES, R. H. Utilization of a "weed," engineering know-how brings profits from little logs. South. Lumberman 185(2321):96-98. Dec.15,1952. 99.81 So82
Pinus contorta latifolia, operations in Washington.

24088 GEPFERT, V., and BURDUKOVSKIĬ, A. Method of planning [work of] lumbering. (In Russian.) Lesn. Promysh. 9:30-32. Sept.1952. 99.82 L56

24089 KUDRIAVTSEV, A. V. Problems of lumbering [enterprises] of the Russian Federation. (In Russian.) Lesn. Promysh. 12(8):3-5. Aug.1952. 99.82 L56

24090 SAWYER, C. J. Long hours, strong men boomed early lumbering in Upper Michigan. Timber Prod. B. 116:8-9; 117:8-9. (Cont.) Nov.-Dec.1952. 99.9 T482B

24091 SMITH, W. R. Can a concentration yard promote good forestry? South. Lumberman 185(2321):156-158. Dec.15,1952. 99.81 So82
In logging and sawmill operations.

Lumbering Equipment

24092 KIRILLOV, D. F. Reject cranes - impossible. (In Russian.) Lesn. Promysh. 9:13-14. Sept.1952. 99.82 L56
In logging.

24093 KOROLEFF, A. Logging mechanization in the U.S.S.R. Woodlands Res. Index 90 (B-1),158 p. Ref. 1952. 99.8 W855A

24094 MAKKONEN, A. Presenting motor saws. VI. (In Finnish.) Teho 10/11:487-492. 1952. 20 T98
English summary, p. 534

24095 METTUS, K. IA. Bunching machine "TSNII lesosplava-2". (In Russian.) Lesn. Promysh. 12(6):20-22. June 1952. 99.82 L56
Logging.

24096 PANTELEEV, V. V. Current-directing structures of adjustable sections. (In Russian.) Lesn. Promysh. 9:22-27. Sept.1952. 99.82 L56
Crib deflectors in logging streams.

24097 PERFILOV, M. A. Typical schemes for hauling logs with KT-12 tractors. (In Russian.) Lesn. Promysh. 9:5-9. Sept.1952. 99.82 L56

24098 PERFILOV, M. A. Typical schemes for moving logs with hoists TL-3. (In Russian.) Lesn. Promysh. 12(8):6-9. Aug.1952. 99.82 L56

24099 PUOSKARI, O. Good results need good tools. (In Finnish.) Teho 10/11:516-518. 1952. 20 T98
English summary, p. 534.
Logging equipment.

24100 RAUCH, G. The Osgood log loading attachment. Pacific Logging Cong. Loggers Handb. 12:77-78. 1952. 99.76 P112La

24101 RESHETOV, A. V. Superiority of cranes and self-loaders. (In Russian.) Lesn. Promysh. 9:9-13. Sept.1952. 99.82 L56
For logs.

24102 VASIL'EV, P. A. Highly efficient bunching machine. (In Russian.) Lesn. Promysh. 12(6):23. June 1952. 99.82 L56
Logging.

Logging

24103 AANES, J. Calculation of operational expenses. (In Norwegian.) Skogbrukeren 27:231-232. Oct.15,1952. 99.8 Sk54
Logging wages.

24104 ARNST, A. Timber up the hill. Amer. Forests 58(12):6-9. Dec.1952. 99.8 F762

24105 AS, L. W. VAN. Cutting of native hardwood and sorting of the logs. (In Dutch.) Houthandel 5:306-307. Oct.30,1952. 99.81 H81

24106 BALDWIN, H. I. Integrated logging: key to stand improvement. Noeast. Wood Util. Council. B. 40: 7-16. Jan.1953. 99.9 N819
Includes discussion.

24107 CAMPBELL, R. A. Timber cutting and skidding costs in the southern Appalachians. South. Lumberman 185(2321):189-191. Dec.15,1952. 99.81 So82

24108 DEGRACE, L. A. Logging and utilization in spruce-fir in the West. (Abs.) Pulp & Paper Mag. Canada 53(13):133. Dec.1952. 302.8 P96

24109 DOYLE, J. A. Good logging practices increase forest yields. (Abs.) Pulp & Paper Mag. Canada 53(13): 133,136. Dec.1952. 302.8 P96

24110 ECKER, M. Holzausformung von fichte und tanne. Bauer 5(39):12-13. Nov.8,1952. 19 B32
Cutting of logs for different types of lumber.

24111 FRITZ, E. The logger's greatest responsibility and opportunity. Pacific Logging Cong. Loggers Handb. 12:60-61. 1952. 99.76 P112La

24112 GONIK, A. A. Decreasing expenses for cordage for towing rafts. (In Russian.) Lesn. Promysh. 12(8):14-16. Aug.1952. 99.82 L56
Logs.

24113 HAFNER, and others. Die bringungsfrage im gebirge. Allg. Forstztg. 63:274-275. Dec.1952. 99.8 AL53
Abstracts of papers by Hafner, H. Gläser, G. Kaminsky, and G. von Kaufmann.

24114 HEISKANEN, V. Pulpwood cartage in logs in the United States. (In Finnish.) Teho 10/11:472-478. 1952. 20 T98
English summary, p. 534.

24115 KENNEL, H. Noch einmal: sorte oder mittelstamm? Allg. Forstz. 7:541-543. Dec.24,1952. 99.8 AL52
Wages of labor for tree felling.

24116 KUVALDIN, B. I. From the past of Russia's overland transportation of timber. (In Russian.) Lesn. Promysh. 12(6):14-16. June 1952. 99.82 L56

24117 KUZNETSOV, F. I. Mechanizing construction of wood hauling roads. (In Russian.) Lesn. Promysh. 12(8):9-11. Aug.1952. 99.82 L56

24118 MCKNIGHT, J. S., and PUTNAM, J. A. Logging cut-over stands of bottomland hardwoods. South. Lumberman 185(2321):184-186. Dec.15,1952. 99.81 So82

24119 MAKKONEN, A. Motor saws and their use in our country. (In Finnish.) Työtehoseura. Julkaisu. 62:43-71,73-78. 1951. 20 M11
Swedish summary.

24120 ORTLEPP. Sorten- oder mittelstammtarif bei den stücklöhnen? Allg. Forstz. 7:513-514. Dec.3,1952. 99.8 AL52

24121 PACIFIC LOGGING CONGRESS. Loggers handbook, v. 12. Portland,Oreg.,1952. 80 p. 99.76 P112La

24122 RAWLS, I. W. Large logs cost less to log than small logs. South. Lumberman 185(2321):125-126. Dec.15,1952. 99.81 So82

24123 SEREVO, T. S., and MALLONGA, A. C. The effects of different methods of logging on residual stands and on natural reproduction. (Abs.) Philippine J. Forestry 7:148. First/Fourth Q.1950,pub.1952. 99.8 P53

24124 SHAW, E. W. Tips on horse logging. Amer. Forests 59:23-33. Jan.1953. 99.8 F762

24125 SIMMONS, F. C. Harvesting pulpwood on small holdings. Noeast. Wood Util. Council. B. 40:49-62. Jan.1953. 99.9 N819
Includes discussion.

24126 SON-LOZA, Z. N. Getting log-carrying railroads in readiness for winter. (In Russian.) Lesn. Promysh. 9:18-19. Sept.1952. 99.82 L56

24127 STAFEEV, A. I. Do not separate loading from the aggregate of log processing work. (In Russian.) Lesn. Promysh. 9:15. Sept.1952. 99.82 L56

24128 STEUER. Die aufarbeitung der schwachen kiefernsorten. Allg. Forstz. 7:500-501. Nov.26,1952. 99.8 AL52

24129 STEUER. Die fällung im fichtenbaumholz (der ganze baum wird entrindet). Allg. Forstz. 8:20-21. Jan.7,1953. 99.8 AL52

24130 STEUER. Die fällung im kiefernbaumholz. Allg. Forstz. 8:8-9. Jan.2,1953. 99.8 AL52

24131 STEVENS, J. Paul Bunyan lives on. South. Lumberman 185(2321):131-135. Dec.15,1952. 99.81 So82

24132 TRUBETSKOI, V. A. Transportation of tree length logs over narrow-gauge railways. (In Russian.) Lesn. Promysh. 12(6):4-8. June 1952. 99.82 L56

24133 WACHTEL, H. Die abfuhrlage des rohholzes als preisfaktor. Allg. Forstztg. 63:245-246. Nov.1952. 99.8 AL53

24134 WAHLENBERG, W. G. How to harvest, effects of cutting methods in growing Appalachian hardwoods. South. Lumberman 185(2321):175-178. Dec.15,1952. 99.81 So82

24135 WEITZMAN, S. Mountain logging. South. Lumberman 185(2321):199-202. Dec.15,1952. 99.81 So82

24136 WEITZMAN, S., and TRIMBLE, G. R., JR: Skid-road erosion can be reduced. J. Soil & Water Conserv. 7:122-124. July 1952. 56.8 J822

24137 WIBSTAD, K. Transportation within the forests. (In Norwegian.) Norsk Skogindus. 6:342-346. Nov.1952. 99.82 N81
English summary.

Sawmills

24138 ADOMAT. Die abgrenzung des forstwirtschaftlichen nebenbetriebs vom gewerbebetrieb bei sägewerken. Holz-Zentbl. 78:1852. Nov.8,1952. 99.81 H742

24139 BAAK, W. Prüfung der neuen und alten zahnformen im Institut für Forsttechnik Neuroofen. Wald 2: 349-352. (Cont.) Nov.1952. 99.8 W143

24140 FRONIUS, K. Die arbeitsweise eines blockbandsägewerks. Holz-Zentbl. 78:1920-1922. Nov.22, 1952. 99.81 H742

24141 KIREVICHEV, V. E. Experiments in mechanization of sorting wood. (In Russian.) Lesn. Promysh. 12(6):17-19. June 1952. 99.82 L56
Logs.

24142 KRAMER, P. R., and LEAR, W. L. Logs and lumber, the relation between hardwood log size and the size of lumber produced by circular mills. South. Lumberman 185(2321):192-195. Dec.15,1952. 99.81 So82

24143 LEVANTO, S. Faulty measures in circular rip saw products. (In Finnish.) Teho 10/11:511-514. 1952. 20 T98
English summary, p. 534.

24144 LIPKA, W. Richtige schnittgeschwindigkeit der schneidewerkzeuge und ihr einfluss. Norddeut. Holzwirt. 6(65):5. Nov.29,1952. 99.82 N75

24145 MASTAD, E. What the forest yields, should be taken care of. (In Norwegian.) Skogbrukeren 27:233-234. Oct.15,1952. 99.8 Sk54
The sawmill industry.

24146 MERILUOTO, J. Sawing by the ARI-method. (In Finnish.) Paperi ja Puu. B 34:366-370,392. Oct.1952. 302.8 P1991
English summary.

24147 EINE neuartige motorkreissäge. Holz-Zentbl. 78:2113-2114. Dec.20,1952. 99.81 H742

24148 PILLER, J. Neuerungen im vollgatterbau. Norddeut. Holzwirt. 6(56):2. Nov.8,1952. 99.82 N75

24149 ROZHKOV, D. S. Setting the teeth of frame saws. (In Russian.) Lesn. Promysh. 12(6):24-27. June 1952. 99.82 L56

24150 WARNER, W. R. Seven years of progress. South. Lumberman 185(2321):127-128. Dec.15,1952. 99.81 So82
In mechanization of sawmills.

Processing and Woodworking

24151 KIVIMAA, E. Cutting force in woodworking. (In Finnish.) Paperi ja Puu. B 34:382-389. Oct.1952. 302.8 P1991

24152 MCELROY, F. S. An analysis of circular saw accidents on a national scale. South. Lumberman 186 (2323):72-73. Jan.15,1953. 99.81 So82
In woodworking.

24153 MACKENZIE, B. G. Stellite for the woodworking industry. Canad. Woodworker 52(12):50,58,60. Dec. 1952. 99.82 C162

Seasoning, Conditioning and Finishing

24154 JUTA, E. H. P. Endcoatings. (In Indonesian.) Rimba Indonesia 1:86-90. Sept.1952. 99.8 R46
English summary.

24155 KOLLMANN, F. Untersuchungen über die trocknung von kiefernschnittholz mit erhöhten temperaturen. Holz-Zentbl. 78:2147-2148. Dec.23,1952. 99.81 H742

24156 OGURA, T. Studies on the mechanisms of drying of wood. 5-6. (In Japanese.) Rin-Go-Shiken-Hokoku 54:165-186. Ref. Oct.1952. 99.8 R47
English summary.

24157 PRATT, W. E. Natural exterior finishes for redwood get tough! Calif. Lumber Merchant 31(12):26. Dec.15,1952. 99.81 C12

24158 STEVENS, W. C. The effect of temperature & drying rate on the shrinkage of beech. Timber News 60: 585-587. (Cont.) Dec.1952. 99.81 T482

24159 TIEMANN, H. D. The kiln-drying of lumber. 48. South. Lumberman 185(2321):294. (Cont.) Dec.15, 1952. 99.81 So82

24160 WILLIAMS, A. W. They like it dry. South. Lumberman 185(2321):254,256,258. Dec.15,1952. 99.81 So82

Wood Preservation and Damage

24161 BLEW, J. O., JR., and CHAMPION, F. J. Preservative treatment of fence posts and farm timbers. U. S. D. A. Farmers' B. 2049,33 p. Sept.1952. 1 Ag84F
Supersedes Farmers' Bulletin 744.

24162 BORG, J. Konservering av stängselstolpar [Preservation of fence posts]. Stockholm,LT's Förlag, 1951. 83 p. 300 B64

24163 BRENY, R., and STRASZEWSKA, Z. Protection du bois; toxicité par contact de diverses préparations commercials protectrices du bois, appliquées en solutions diluées. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:1011-1018. Dec.1952. 24 K83

24164 CHAPMAN, A. D. Treated wood lasts. South. Lumberman 185(2321):246,248,250,252. Dec.15,1952. 99.81 So82

24165 HUBERT, E. E. The use of fire retardants in a penta fence post preservative. Idaho. U. Forest, Wildlife & Range Expt. Sta. Res. Notes 2,7 p. Mar.15,1952. 99.9 Id14R

24166 HUDDLESTON, E. B. A case for timber preservation in Australia. Austral. Timber J. 18:482, 485,487-488,491,500,506. Aug.1952. 99.81 Au7

24167 HUNT, G. M. Avoid decay and termite damage by good house construction. Prog. Architect. 33(12): 92-95. Dec.1952. 296.8 P37

24168 IMMONEN, V. Use and sales of impregnated timber at timber yards. (In Finnish.) Paperi ja Puu. B 34:373-376. Oct.1952. 302.8 P1991
English summary.

24169 KEINO, K. Effects of copper salts upon the mycelial growth of wood-destroying fungi. II-III. (In Japanese.) Rin-Go-Shiken-Hokoku 54:1-44. Ref. Oct. 1952. 99.8 R47
English summary.

24170 KOPPERS PRODUCTS CO. TAR PRODUCTS DIV. Why creosote protects wood today every bit as well as fifty years ago. Pittsburg,1952. 11 p. 300 K833

24171 MOORE, R. R. Treating fence posts for long life. Utah. State Agr. Col. Ext. Fact Sheet 14,4 p. July 1952. 275.29 Ut1F

24172 MUELLER, L. A. Better posts for less. Ariz. Farmer 31(25):1,44-45. Dec.6,1952. 6 Ar44
Treating wood with preservatives.

24173 RANCOURT, E. DE. La préservation des ouvrages d'art en bois. Rev. Internatl. des Prod. Colon. 27:182-184. Oct.1952. 286.8 R326

24174 ROOSEN, P. Les tests d'appréciation de la durabilité naturelle ou artificielle du bois. Jette,Clercq, 1951. 24 p. Ref. (Association Belge pour l'Etude, l'Essai et l'Emploi des Matériaux, Procèsverbal 1951,6) 300 R67

24175 SOCIÉTÉ XYLOCHIMIE. EXPORT DEPT. Cryptogil ISL for the impregnation of dry timber. Paris, 1952. 12 p. 300 So122

24176 SOCIÉTÉ XYLOCHIMIE. EXPORT DEPT. Preventive protection of seasoned timber. Paris,1952? 4 p. 300 So122P

24177 WAKEFIELD, W. E. The effect of exposure on Douglas fir [Pseudotsuga taxifolia] cross-arms. Canada. Dept. Resources & Devlpmt. Forestry Br. B. 104,16 p. 1952. 99.9 C16B

24178 ZYCHA, H. Der schutzanstrich für lagerndes buchenholz. Holz-Zentbl. 78:1865-1866. Nov.11,1952. 99.81 H742

FOREST PRODUCTS

24179 CHESLEY, K. G. Putting research to work. South. Lumberman 185(2321):164-166. Dec.15,1952. 99.81 So82

24180 DAHL, F. H. Oregon's farm forest products, statistical yearbook. Oreg. State Col. Ext. B. 730,14 p. Nov.1952. 275.29 Or32B
Supersedes Extension Bulletin 691.

24181 FRIEDRICH, R. Das holz und die kunststoffe. Holz-Zentbl. 78:1847-1848. Nov.8,1952. 99.81 H742

24182 HEERMANCE, E. L. Putting wood to work. Conn. Woodlands 17:77-79. Nov.1952. 99.8 C76

24183 PERRY, T. D. Products development. Canada Lumberman 72(12):76-77,80-81. Dec.1952. 99.81 C16

24184 POBLACION, G., and CORTES, R. T. Ways and means of increasing wood utilization. (Abs.) Philippine J. Forestry 7:138. First/Fourth Q.1950,pub.1952. 99.8 P53

24185 TERZIA, F. C. Why we should be interested in hardwood lumber. Natl. Hardwood Lumber Assoc. Ybk. & Off. Rpt. 55:287-288,290. 1952. 99.76 N211R

Lumber and Rough Products

24186 AUSTRIA. BUNDESHOLZWIRTSCHAFTSRAT. Osterreichische holzhandelsusancen. Wien,Wiener Börsekammer,1951. 62 p. 99.76 Au74

24187 BARRIOS, A., and FERNANDEZ, E. B. Lumber grading and inspection in the Philippines. (Abs.) Philippine J. Forestry 7:140. First/Fourth Q.1950,pub. 1952. 99.8 P53

24188 COULON, J. P. Les bois de mine. Ed. 2, rev. Paris,Presses Universitaires de France,1952. 128 p. 99.77 C832

24189 DEHN, U. V. Probleme der deutschen grubenholzversorgung. Norddeut. Holzwirt. 6(53):5. Nov.1,1952. 99.82 N75

24190 DEHN, U. V. Schnittholztransport und technik der sortierung. Holz-Zentbl. 78:2084-2085. Dec.16, 1952. 99.81 H742

24191 DICK, M. H. Tie renewals make slight gains in '52; rail laying sharply off. Cross Tie B. 34:16,18,22, 38. Jan.1953. 99.82 C87

24192 DICKINSON, F. E. Development of southern and western freight rates on lumber. South. Lumberman 185(2321):229-232,234,236,238,240,242,244-245. Dec.15, 1952. 99.81 So82

24193 DYKES, J. F. The importance of the crosstie industry in Louisiana. Forests & People 2(4):22-23. Fourth Q.1952. 99.8 F7628

24194 ERAKHTIN, D. D., and SHASHEV, I. A. Temporary storage structures and simplified driers for gas-generating fire wood. (In Russian.) Lesn. Promysh. 9:16-18. Sept.1952. 99.82 L56

24195 FITZGERALD, O. L. Fence posts for profit. Forests & People 2(4):29. Fourth Q.1952. 99.8 F7628

24196 GOERING, H. Los transportes y la industria maderera. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.329-331. Temuco,1952. 27 C7655

24197 GOLDENSTERN. Richtiges aufarbeiten, aushalten u. sortieren eines holzeinschlags. Landwirtbl. Weser-Ems 99:1184. Nov.20,1952. 18 L2345
Emphasis upon grading.

24198 HEINRICHS, W. Der zeitpunkt für nordische preishausse ist ungünstig. Norddeut. Holzwirt. 6(50):2. Oct.24,1952. 99.82 N75
Log prices.

24199 KAMPERS. Immer noch rundholzlenkung? Holz-Zentbl. 78:1753-1754. Oct.23,1952. 99.81 H742

24200 LUDWIG, T. M. Modern handling in retail lumber yards. Miss. Val. Lumberman 84(21):32,34,124. Jan.9,1953. 99.81 M69
Also in South. Lumberman 186(2323):50,52. Jan.15, 1953. 99.81 So82

24201 MCCLURE, J. W. Grade names, grading and selling. South. Lumberman 185(2321):173-174. Dec.15, 1952. 99.81 So82

24202 MULLER, J. L. The standardization of hardwood lumber grades. South. Lumberman 185(2321):112-113. Dec.15,1952. 99.81 So82

24203 POWER, L. G. Lumber grading. Canada Lumberman 72(12):38-39,93-94. Dec.1952. 99.81 C16

24204 RAMASWAMY, M. N. Fuel from forests. Cur. Sci. 21:149-151. June 1952. 475 Sci23

24205 SCHWARZ, G. Der holzhandel als mittler zwischen erzeuger und verbraucher. Holz-Zentbl. 78: 1799-1800. Oct.30,1952. 99.81 H742

24206 TRENK, F. B. Producing boltwood. Wis. Agr. Col. Ext. C. 415,15 p. July 1952. 275.29 W75C

24207 WESTERN PINE ASSOCIATION. Standard grading rules for ponderosa pine (Pinus ponderosa), sugar pine (Pinus lambertiana), Idaho white pine (Pinus monticola), lodgepole pine, larch, Douglas fir, white fir, Engelmann spruce, incense cedar, red cedar lumber, effective January 1, 1953. Portland,Oreg,1953. 147 p. 99.76 W528

24208 WOOD, L. W. Basic principles of structural grading. South. Lumberman 185(2321):222-226. Dec.15, 1952. 99.81 So82

24209 WOODBRIDGE, W. W. 1953 cedar shingle outlook is good. Calif. Lumber Merchant 31(11):64. Dec.1, 1952. 99.81 C12

Building Construction

24210 ANDERSON, L. O. Trends in house construction shown. Miss. Val. Lumberman 84(21):58,84,86. Jan.9,1953. 99.81 M69

24211 ARMBRUSTER, E. Türen in serienherstellung. Osterr. Gesell. f. Holzforsch. Mitt. 4:114-118. Oct.1952. 99.9 Os72

24212 ARMBRUSTER, E. Türen in serienherstellung. Osterr. Gesell. f. Holzforsch. Mitt. 4:114-118. In Internatl. Holzmarkt 43(21). Oct.18,1952. 99.81 In82

24213 DEWEESE, T. Wanted: more confidence in lumber. South. Lumberman 185(2321):123-124. Dec.15, 1952. 99.81 So82
For construction.

24214 DIETRICH, A. Freigespannte dachbinder mit verleimtem binderfuss. Holz-Zentbl. 78:2150. Dec.23, 1952. 99.81 H742

24215 GRANUM, H. Quality classification of construction timber. (In Norwegian.) Norsk Skogindus. 6: 379-384. Nov.1952. 99.82 N81

24216 HEATHERLY, L. J. Will hardwood paneling ever make the mass market? South. Lumberman 185 (2321):114-116. Dec.15,1952. 99.81 So82

24217 HILF, H. H. Fussboden aus deutscher Douglasie. Holz-Zentbl. 78:2079-2081. Dec.16,1952. 99.81 H742
Pseudotsuga taxifolia.

24218 IRELAND, W. A. Where there's a wood there's a way. T. D. A. Q. Rev. 3(7):9-10. Oct.1952. 99.9 T48T
Wood as a structural material.

24219 RICHARDSON, H. Palletisation. T. D. A. Q. Rev. 3(7):11. Oct.1952. 99.9 T48T

24220 SILVESTER, F. D. Wood block flooring and panel heating. T. D. A. Q. Rev. 3(7):22-23. Oct.1952. 99.9 T48T

24221 STERN, E. G. All about 7 amazing new nails. Amer. Lumberman & Bldg. Prod. Merchandiser 3507:30, 32. Dec.29,1952. 99.81 Am3

24222 THOMAS, L. Plastic complements marine ply. Brit. Columbia Lumberman 37:56. Jan.1953. 99.81 B77

24223 THORNBER, W. Structural timber. Engin. J. 35:1041-1046. Oct.1952. 290.9 En3

24224 WILLINS, H. H. How oak flooring fights for one of wood's big markets. Wood & Wood Prod. 58:26-27, 70,72. Jan.1953. 99.82 W856

24225 WOOD, L. W. Basic principles of structural grading. Miss. Val. Lumberman 84(21):42,44,120. Jan.9, 1953. 99.81 M69

Veneers, Plywood and Adhesives

24226 BAILEY, N. Veneer and plywood. 24. Plywood flooring. Wood Working Digest 55:137-139. Jan.1953. 99.82 W87

24227 BORN, F. Wirtschaftliche ringverleimung im modellbau. Holz 6:238-239. Oct.1952. 99.82 H743

24228 DOSKER, C. D. What lies ahead for lumber laminates? South. Lumberman 185(2321):144-146. Dec.15,1952. 99.81 So82

24229 EGNER, K. Sichtbarmachung von faserschädigungen durch sauer ausgehortete Kunstharzleime. Holz-Zentbl. 78:1857-1858. Nov.8,1952. 99.81 H742

24230 ENZENSBERGER, W. Melaminharzleime für die holzindustrie. Holz 6:249-253. Oct.1952. 99.82 H743
For plywood manufacture.

24231 FRIEDRICH, R. Auch die furniereichen wachsen nicht in den himmel. Holz-Zentbl. 78:1985-1986. Nov.29,1952. 99.81 H742

24232 FROEDE, O. Kauritleim in der modernen holzverarbeitung. Norddeut. Holzwirt. 6(56):12. Nov.8, 1952. 99.82 N75

24233 FYSH, D., and JONES, E. C. Animal glues for wood. 2. Glue in wooden joints. Wood [London] 17:469-472. Dec.1952. 99.82 W855

24234 GEFAHRT, J. Elektrische widerstandsverleimung. Holz 6:246-249. (Cont.) Oct.1952. 99.82 H743

24235 GRAHAM, P. H. Electronic gluing. 3. Wood Working Digest 54:117-120,122,126,128,130,134,136,138, 140,142-147. Dec.1952. 99.82 W87

24236 GRAHAM, P. H. Electronic gluing. 4. Wood Working Digest 55:51-58,60,62,64,66,68,70,72-75. Jan. 1953. 99.82 W87

24237 GRAHAM, P. H. Glue characteristics play big part in electronic process. Veneers & Plywood 46(12): 22,26-27. Dec.1952. 99.82 V55

24238 HAUSDORF, E. Arbeiten an der furnierfugenzusammensetzmaschine. Norddeut. Holzwirt. 6(50):4. Oct.24,1952. 99.82 N75

24239 HYLER, J. E. Glues and gluing. 2. South. Lumberman 185(2321):281-283,286. Dec.15,1952. 99.81 So82

24240 HYLER, J. E. Glues and gluing. 3. South. Lumberman 186(2322):55-58. Jan.1,1953. 99.81 So82

24241 HYLER, J. E. Glues and gluing. 4. South. Lumberman 186(2323):55-57,60. Jan.15,1953. 99.81 So82

24242 KNIGHT, R. A. G. Adhesives for wood. London,Chapman & Hall,1952. 242 p. Ref. (Royal Aeronautical Society. Monographs on Metallic and other Materials 3) 309 K742

24243 MCKEAN, H. B., BLUMENSTEIN, R. R., and FINNORN, W. F. Laminating and steam-bending of treated and untreated oak for ship timbers. South. Lumberman 185(2321):217-222. Dec.15,1952. 99.81 So82

24244 MARINARO, V. C. Glueing technique for the amateur rodbuilder. I. Pa. Angler 21(12):10-11,26-27. Dec.1952. 410 P382

24245 NORTHCOTT, P. L. Development of the glueline cleavage test. Brit. Columbia Lumberman 36(12):40-41,64,66,124. (Cont.) Dec.1952. 99.81 B77

24246 NORTHCOTT, P. L. Development of the glueline cleavage test. Brit. Columbia Lumberman 37:42-43, 98,102. (Concl.) Jan.1953. 99.81 B77

24247 OTTO, F. Das verleimen von hölzern im schnellverfahren. Holz 6:237-238. Oct.1952. 99.82 H743

24248 PARRISH, F. T. Gluing control in a furniture factory. Furniture Mfr. 74:12-13,62. Jan.1953. 300.8 F982

24249 PERRY, T. D. Types of plywood. 13. Wood Working Digest 54:149-152,154,156-158. Dec.1952. 99.82 W87

24250 PERRY, T. D. Types of plywood. 14. Wood Working Digest 55:121-122,124,126,128,130,132-134. Jan.1953. 99.82 W87

24251 RACKWITZ, G. Die bindemittel, ihre wirkung und anwendung bei der herstellung von holzspanplatten. Holz 6:239-243. Oct.1952. 99.82 H743

24252 RACKWITZ, G. Kauritleim und holzfeuchtigkeit. Holz 6:253-256. Oct.1952. 99.82 H743

24253 RUBCHICH, J. Sperrholzschalungen bei siedlungsbauten. Bau u. Holz 3:170-172. Aug.1952. 296.8 B32

24254 SCHULZ, H. Einiges über furnierholz und forstwirtschaft. Wald 2:334-338. Nov.1952. 99.8 W143

24255 SELBO, M. L. Durability of glue joints in preservative treated wood. South. Lumberman 185(2321): 203-206. Dec.15,1952. 99.81 So82

24256 TURNER, N., and DEAN, A. R. A new type of bent corner. Wood [London] 17:462-468. Dec.1952. 99.82 W855
Plywood.

24257 TUTT, R., JR. Animal glues provide economy and facilitate papermaking. Paper Indus. 34:1115-1116. Dec.1952. 302.8 P1923

24258 WIESEHUEGEL, E. G. Low grade hardwoods to laminated lumber. Canada Lumberman 72(12):40,83-84. Dec.1952. 99.81 C16

24259 ZANDSTRA, K. A. Wood glueing in industry. 1. (Extr.) Timber News 60:589-590. Dec.1952. 99.81 T482

Furniture

24260 BEBLO, H. Die entwurtsarbeit beim stuhlbau. Holz 6:243-246. Oct.1952. 99.82 H743

Containers

24261 SMITH, I. Stave barrels. T. D. A. Q. Rev. 3 (7):14-15. Oct.1952. 99.9 T48T

Pulp and Paper

24262 ANNETT, S. R. P., and STOBO, W. E. Utilization of sulfite pulp mill wastes and their markets. Paper Indus. 34:1109-1111. Dec.1952. 302.8 P1923

24263 AUSTRALIA. COMMONWEALTH BUR. OF CENSUS AND STATISTICS. Pulp and paper making. Austral. Bur. Census & Statis. Mfg. Indus. 28,7 p. 1951. 271 Au72Ma

24264 BARDSLEY, J. H. St. Lawrence rapid routine groundwood testing equipment. Pulp & Paper Mag. Canada 53(13):92-97. Dec.1952. 302.8 P96

24265 BELLOUARD, P. La fabricación de papel con maderas tropicales. Mensajero Agr. 76:22. Sept. 1952. 9.8 M52

24266 BRECHT, W., and KLEMM, K. The mixture of structures in a mechanical pulp as a key to the knowledge of its technological properties. Pulp & Paper Mag. Canada 54:72-80. Ref Jan.1953. 302.8 P96

24267 CANADA. BUR. OF STATISTICS. The pulp and paper industry, 1951. Ottawa,1952. 46 p. 302.9 C162
Text also in French.

24268 CANADIAN PULP AND PAPER ASSOCIATION. From watershed to watermark; the pulp and paper industry of Canada. Rev. Montreal,1952. 47 p. 302 C162F

24269 CANADIAN PULP AND PAPER ASSOCIATION. Reference tables, December 1951. Montreal,1951. 34 p. 302.9 C16R

24270 CLAPPERTON, R. H. Modern paper-making. Ed. 3. Oxford,Eng.,Blackwell,1952. 526 p. 302 C532

24271 COTTRALL, L. G. Influence of chemical composition and morphology of the fibres of mechanical and kraft pulps on their paper making properties. World's Paper Trade Rev. 138:1777-1780,1782,1784. Dec.4,1952. 302.8 W89

24272 COTTRALL, L. G. Introduction to stuff preparation for paper making. London,Griffin,1952. 183 p. 302 C82

24273 CRUIKSHANK, J. W. Pulpwood production in the Southeast increases nearly 300 percent from 1939-1951. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 13,2 p. July 1952. 1.9622 S4R312

24274 ELFVING, L. Sulfite pulp from decayed wood. (In Swedish.) Svensk Papperstidn. 55:848. Nov.15,1952. 302.8 Sv2

24275 GIERTZ, H. W. The influence of bleaching on the opacifying properties of the pulp. (In Swedish.) Svensk Papperstidn. 55:897-900. Dec.15,1952. 302.8 Sv2
English summary.

24276 GRIFFIN, A. E. A good customer. Nav. Stores Rev. 62(38):14-15,30. Dec.20,1952. 99.81 N22
Southern pulp and paper industry.

24277 HALL, J. A. Today's semichemical pulp industry, a significant development in pulpwood utilization. South. Pulp & Paper Mfr. 15(12):60,62-65,90. Dec.10,1952. 302.8 So8

24278 HARTLER, N., and SAMUELSON, O. Degradation of cotton and wood pulp with ligninsulfonic acid and sulfite waste liquor. Svensk Papperstidn. 55: 851-862. Ref. Nov.30,1952. 302.8 Sv2

24279 HOLT, L. Pulpwood from improvement cuttings. Noeast. Wood Util. Council. B. 40:27-39. Jan. 1953. 99.9 N819
Includes discussion.

24280 INDIA - forest resources and paper industry. (In Norwegian.) Norsk Skogindus. 6:328-334. Nov.1952. 99.82 N81

24281 JOHANSSON, A. The determination of Pentosan. Svensk Papperstidn. 55:820-828. Ref. Nov.15, 1952. 302.8 Sv2

24282 JONES, F. L. A kraft pulp mill. Paper Mill News 76(2):12-15. Jan.10,1953. 302.8 P195

24283 JONES, N. The people in pulp and paper. Amer. Forests 59:10-12,46-47. Jan.1953. 99.8 F762

24284 KEENEY, F. C. Physical properties of slash pine [Pinus caribaea] semichemical kraft pulp and of its fully chlorited component. Tappi 35:555-563. Ref. Dec. 1952. 302.8 T162

24285 MCGUIRE, J. R. What will the pulp mills buy? Noeast. Wood Util. Council. B. 40:17-25. Jan.1953. 99.9 N819
Includes discussion.

24286 MÄKELÄ, T. O. Cutting pu' wood logs by motor saw at the storage. (In Finnish.) Teho 10/11:498-500. 1952. 20 T98
English summary, p. 534.

24287 MAUERMAN, V. L. Chipping of wood waste for the kraft process. Canad. Pulp & Paper Indus. 6:12,14. Jan.1953. 302.8 W52

24288 MOOSMÜLLER, E. Schnellmethode zur ermittlung der mineralischen bestandteile im zellstoff. Papier 6:523-524. Dec.15,1952. 302.8 P1934

24289 NEUBRECH, W. L Paper and paperboard production trends by type of mill. South. Pulp & Paper Mfr. 16:26,28,32,36,38. Jan.10,1953. 302.8 So8

24290 NOLAN, W. J. The sulphate process. Paper Mill News 76(2):20-32. Jan.10,1953. 302.8 P195

24291 OSLO. PAPIRINDUSTRIENS FORSKNINGSINSTITUTT. Beretning og regnskap [Report and accounts]. Oslo,1952. 46 p. 302.9 Os5
English summary.

24292 OTTAR, H. Investigation of refiners in the pulp industry. (In Norwegian.) Norsk Skogindus. 6:411-418. Dec.1952. 99.82 N81
English summary.

24293 THE PAPER makers' & merchants' directory of all nations 1953. Ed. 60. London,1953. 628 p. 302 P192

24294 RANCE, H. F. The influence of cellulose properties upon papermaking behaviour and usage: rag and chemical woodpulp. Paper-Maker & Brit. Paper Trade J. 1952(annu.no.):25-26. 302.8 P1922

24295 REDISKE, J. H. Radioisotopic tracers in the pulp and paper industry. South. Pulp & Paper Mfr. 16:48, 50,87. Jan.10,1953. 302.8 So8

24296 RICHTER, R. C. Wood preparation. Paper Mill News 76(2):15-18. Jan.10,1953. 302.8 P195

24297 RIOUX, L. Utilization of hardwoods. Pulp & Paper Mag. Canada 53(13):115-116,119,121. Dec.1952. 302.8 P96

24298 ROBERTS, M. Physical testing of pulp. Paper Mill News 76(2):37-39. Jan.10,1953. 302.8 P195

24299 RUMPF, A. N. Yesterday, today, and tomorrow. Tappi 35(12):50A,52A,54A,56A,58A. Dec.1952. 302.8 T162

24300 SIHTOLA, H. Use of unbarked saw mill waste as raw material for the manufacture of semichemical pulp; some experiences at Veitsiluoto. (In Swedish.) Svensk Papperstidn. 55:807-815. Nov.15,1952. 302.8 Sv2
English summary.

24301 SIMMONS, J. R. The chemical nature of the alpha, beta and gamma fractions of bleached coniferous chemical woodpulps. Paper-Maker & Brit. Paper Trade J. 124:497-498,500,502,506. Dec.1952. 302.8 P1922
Also in World's Paper Trade Rev. 138:1766,1768,1770-1772,1777. Dec.4,1952. 302.8 W89

24302 SINGH, K. Studies on the penetration of cooking liquors into bamboo chips. J. Appl. Chem. 2:669-681. Dec.1952. 382 J82
In pulp and paper manufacture.

24303 SOOY, B. E. Quality control in the board mill. South. Pulp & Paper Mfr. 15(12):72-75,78-79. Dec.10, 1952. 302.8 So8

24304 STEVENSON, L. T. The latest cycle in paper production. New York City,Amer. Paper and Pulp Assoc., 1952. 7 p. 302 St44L

24305 TITTEMORE, C. R. Application of the Oliver vacuum cylinder to sulphite pulp drying. Pulp & Paper Mag. Canada 53(13):98-100. Dec.1952. 302.8 P96

Chemical Products and Distillates

24306 BRAVO, G. A. Le bois de chataignier et son extrait tannant. Rev. Tech. des Indus. du Cuir 44:185-192. (Concl.) Oct.15,1952. 303.8 C89

24307 FLETCHER, T. L., and HARRIS, E. E. Products from the destructive distillation of Douglas-fir lignin. Tappi 35:536-539. Dec.1952. 302.8 T162

24308 GARCIA M. TOLEDO, F. Influencia de la temperatura en la producción del carbón vegetal. Rev. Indus. y Fabril 7:500-501. Sept.1952. 297.8 R322

24309 KILCHHER, H. Paper chromatography and tannins. Soc. Leather Trades' Chem. J. 36:331-335. Oct.1952. 303.9 So12

24310 SPECHT, H. Neue verfahren der holzverzuckerung und der herstellung von holzzuckermelasse. Branntweinwirtschaft 74:365-366. Oct.25,1952. 390.8 B7322

Naval Stores

24311 CLEMENTS, R. W. The bark hack. Nav. Stores Rev. 62(42):12-13,27-28. Jan.17,1953. 99.81 N22

24312 GAVRILOV, B. I. Effect of turpentining on increment [of pine forests]. (In Russian.) Lesn. Khoz. 5(7):40-44. July 1952. 99.8 L5622

24313 HARPER, V. L. Research in gum naval stores. Nav. Stores Rev. 62(38):17-18,24-25. Dec.20,1952. 99.81 N22

24314 HILBERT, G. E. Achievements in gum processing through research. Nav. Stores Rev. 62(42):18-20. Jan.17,1953. 99.81 N22

24315 HOLDMAN, E. E. Production vs consumption. Nav. Stores Rev. 62(38):16,25-26. Dec.20,1952. 99.81 N22

24316 MEYER, H. L. The export picture. Nav. Stores Rev. 62(38):13,28. Dec.20,1952. 99.81 N22

24317 MIROV, N. T. Composition of gum turpentines of pines. XIV-XV. Amer. Pharm Assoc. J. Sci. Ed. 41: 673-679. Dec.1952. 396.9 Am33J
XIV, A report on three Mexican pines: Pinus ayachahuite, Pinus cembroides, and Pinus pinceana; XV, A report on Pinus resinosa and Pinus reflexa.

24318 PATTON, E. L. Turpentine farmers gain from new system for evaluating pine gum. U. S. Agr. Res. Admin. Res. Achvt. Sheet 154(C),2 p. Oct.1952. 1.98 R31

24319 SHAW, B. T. Value of research. Nav. Stores Rev. 62(38):19-20. Dec.20,1952. 99.81 N22

24320 SPITZ, R. J. The outlook for naval stores. Nav. Stores Rev. 62(42):17. Jan.17,1953. 99.81 N22

24321 STALLCUP, W. D. Problems of the industry. Nav. Stores Rev. 62(38):12,26-28. Dec.20,1952. 99.81 N22

24322 STRANGE, J. D. Making land produce the maximum. Nav. Stores Rev. 62(42):15,25-27. Jan.17, 1953. 99.81 N22
Leasing of naval stores in the management plan.

24323 STRANGE, J. D. Profitable integration of modern naval stores practices. South. Lumberman 185 (2321):154-155. Dec.15,1952. 99.81 So82

24324 U. S. BUR. OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY. Facts about the Naval Stores Station. U. S. Bur. Agr. & Indus. Chem. AIC-345,4 p. Oct. 1952. 1.932 A2Ag82

24325 U. S. BUR. OF AGRICULTURAL ECONOMICS. Semi-annual naval stores report, April 1 - September 30, 1952; production, distribution, consumption and stocks of turpentine and rosin and production and stocks of miscellaneous naval stores for the United States. Washington, 1952. 7 p. 1.941 S8N22

Other Forest Products

24326 BROWN, A. J. Christmas trees are big business. Calif. Lumber Merchant 31(11):44. Dec.1,1952. 99.81 C12

24327 BRYAN, A. E. Canadian trees brighten U. S. homes. Canada Lumberman 72(12):46. Dec.1952. 99.81 C16

24328 CASEY, J. Christmas trees. Sheep & Goat Raiser 33(3):54-55. Dec.1952. 45.8 Sh3

24329 CROTEAU, G. Solutions à divers problèmes. Abeille et l'Erable (ser.2)21:131-134. Nov.1952. 424.8 Ab32
Maple sirup extraction.

24330 FORBES, R. H. Bonanza in bark. Pop. Mech. Mag. 99:88-89,258. Jan.1953. 291.8 P81
Uses for Douglas fir bark.

24331 GRIFFIOEN, K. Match manufacture in Indonesia. (In Indonesian.) Rimba Indonesia 1:69-85. Sept. 1952. 99.8 R46
English summary.

24332 HAGGLUND, A. Observations on the danger of fire and fire protection in the hardening of wallboard. (In Swedish.) Svensk Papperstidn. 55:879-884. Ref. Dec.15, 1952. 302.8 Sv2

24333 JENKINS, J. H. Wood waste utilization in Canada. Canada. Dept. Resources & Devlpmt. Forestry Br. B. 103,12 p. 1952. 99.9 C16B

24334 MARTINSON, M. Use of screening waste from a mechanical woodpulp mill; a new insulating material. (In Swedish.) Svensk Papperstidn. 55:727-733. Oct.15, 1952. 302.8 Sv2

24335 PARENTE, E. The briar pipe industry. (In Italian.) Monti e Boschi 3:446-455. Oct.1952. 16 M76
English summary.
Utilisation and preparation of the roots of Erica arborea for pipes.

24336 PENTON, A. Christmas tree farming. Org. Farmer 4(5):18-19,46-48. Dec.1952. 57.8 Or3

24337 PRESTON, J. F. Christmas tree plantations. Rur. New-Yorker 102:762,766. Dec.20,1952. 6 R88

24338 ROWE, P. Fibreboard from poplar. Canada Lumberman 72(12):44-45. Dec.1952. 99.81 C16

24339 SAXLUND, O. Automatic heating with sawdust and shavings. (In Norwegian.) Gartneryrket 42:747-748. Oct.25,1952. 80 G1938

24340 SHAW, E. W. Minor forest products. Amer. Forests 58(12):17,42-43. Dec.1952. 99.8 F762
Pacific Northwest.

24341 SHAW, E. W. The trend is to farmed Christmas trees; Northwest tree buyers adopting quality standard, opening the way for real farming. Wash. Farmer 77: 928,933. Dec.4,1952. 6 R151

24342 SOWDER, A. M. Christmas trees, the tradition and the trade. U. S. D. A. Agr. Inform. B. 94,22 p. 1952. 1 Ag84Ab

WOOD TECHNOLOGY

24343 ANDERSON, A. B. Occurrence of cinnamic acid in sugar pine (Pinus lambertiana Dougl.). Amer. Chem. Soc. J. 74:6099. Dec.5,1952. 381 Am33J

24344 AULIN-ERDTMAN, G. Spectrographic contributions to lignin chemistry. II. Preliminary report. Svensk Papperstidn. 55:745-749. Oct.15,1952. 302.8 Sv2

24345 BORGIN, K. Determination of the suitability of different celluloses for the manufacture of cellulose derivatives. Norsk Skogindus. 6:373-378. Ref. Nov.1952. 99.82 N81

24346 COCKER, E., and COCKER, W. An anthocyanidin of Louro Inamui. Chem. Soc. J., Dec.1952:5035-5036. 382 L84J
Ocotea wood.

24347 GIERTZ, H. W. The physical structure and chemical composition of wood cellulose fibres with special attention to papermaking properties. World's Paper Trade Rev. 138:1451-1452,1454,1459-1462,1464. Ref. Nov.6,1952. 302.8 W89

24348 HARADA, H., and MIYAZAKI, Y. Electronmicroscopic observation of compression wood. (In Japanese.) Rin-Go-Shiken-Hokoku 54:101-114. Ref. Oct. 1952. 99.8 R47
English summary.

24349 HASEGAWA, M., and SHIRATO, T. Flavonoids of various Prunus species. I. The flavonoids in the wood of Prunus yedoensis. Amer. Chem. Soc. J. 74: 6114-6115. Dec.5,1952. 381 Am33J

24350 KING, F. E., GRUNDON, M. F., and NEILL, K. G. The chemistry of extractives from hardwoods. IX. Constituents of the heartwood of Ferreirea spectabilis. Chem. Soc. J., Dec.1952:4580-4584. 382 L84J

24351 KING, F. E., and NEILL, K. G. The chemistry of extractives from hardwoods. X. The constitution of ferreirin and of homoferreirin. Chem. Soc. J., Dec. 1952:4752-4756. 382 L84J
Ferreirea spectabilis.

24352 LEOPOLD, B. Studies on lignin. Svensk Papperstidn. 55:816-819. Ref. Nov.15,1952. 302.8 Sv2

24353 MENTZER, C., and PACHÉCO, H. Sur quelques nouveaux constituants des extraits de bois. Soc. de Chim. Biol. B. 34:956-962. 1952. 383 So1

24354 NAMBIYAR, V. P. N. Application of Russel effect to the identification of the heartwood and sapwood of Sal [Shorea robusta]. Cur. Sci. 21:289-290. Oct.1952. 475 Sci23

24355 NICOLAYSEN, V. B., and BORGIN, G. L. Filtration of viscose. Effect of pressure, gel particles and high speed mixing on the filtration value Kf. Norsk Skogindus. 6:338-341. Nov.1952. 99.82 N81

24356 PAVOLINI, T., and AVI, M. Chemistry of lignin. (In Italian.) Chimica (n.s.)7:345-357. (Cont.) Sept.1952. 385 C445

24357 SIRVIN, M. G. The chemical properties of Balsa. Syracuse,N. Y.,1952. 1 p. 99.79 Si7
Abstract of thesis (M.S.) - Syracuse University.

24358 TOPP, T. Foreign timber. (Sum.) (In Danish.) Dansk Skovfor. Tidsskr. 37:511-518. Oct.1952. 99.8 D23
Includes discussion.

24359 WEISS, M. Bericht über eine neue doppelbandpresse zur entwässerung von faserstoffen. Osterr. Gesell. f. Holzforsch. Mitt. 4:113-114. In Internatl. Holzmarkt 43(21). Oct.18,1952. 99.81 In82

24360 WHITE, D. E., and ZAMPATTI, L. S. The chemistry of Western Australian plants. VII. Oleanolic acid acetate from Eucalyptus calophylla bark. Chem. Soc. J., Dec.1952:5040. 382 L84J

Properties and Structure

24361 CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. FOREST PRODUCTS LABORATORIES DIV. Moisture content changes in seasoned lumber in storage and in transit. Canada. Dept. Resources & Devlpmt. Forestry Br. B. 102,16 p. 1952. 99.9 C16B

24362 JACKSON, M. W. Strength of timber under continued loading. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:48. Oct.1952. 500 C717

24363 JANE, F. W. The structure of timbers of the world. 15. Timber News 60:579-582. Dec.1952. 99.81 T482

24364 RAPOSO, F. Structure and identification of the wood of Coniferae grown in Portugal. (In Portuguese.) Inst. Super. de Agron. An. 18:117-170. Ref. 1951. 105.7 L682

24365 SPOLJARIĆ, Z. Postanak i anatomsk grada drva [Formation and anatomic structure of wood]; atlas, v. 1. Zagreb,Tisak Graficke Skole,1951. unpaged. 463.48 Sp6

24366 STARK, E. W. Wood anatomy of the Juglandaceae, Betulaceae, Magnoliaceae, and Aceraceae indigenous to the United States. Syracuse,N. Y.,1952. 2 p. 463.48 St2
Abstract of thesis - Syracuse University.

24367 STILLINGER, J. R. Strength and related properties of old-growth Douglas-fir decayed by Fomes pini. Syracuse,N. Y.,1951. 2 p. 99.79 St5
Abstracts of thesis - Syracuse University.

24368 VIKHROV, V. E., and EN'KOVA, E. I. Dynamics of growth and wood quality of early- and late-deliquescent oak [Quercus robur]. (In Russian.) Lesn. Khoz. 5(9):55-57. Sept.1952. 99.8 L5622

24369 WILLIAMS, S. Wood structure. Sci. Amer. 188:64-67. Jan.1953. 470 Sci25

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

24370 ANDREASI, F. Heredity and sex. (In Portuguese.) Veterinário 2:19-28. June/Aug.1952. 41.8 V6438

24371 AUSTIN, C. R., and BRADEN, A. W. H. Passage of the sperm and the penetration of the egg in mammals. Nature [London] 170:919-921. Ref. Nov.29,1952. 472 N21

24372 BAIER, W. Genetisches denken in der tierärztlichen alltagspraxis bei der bekämpfung der zuchtschäden. Tierärztl. Umschau 7:486-490. Dec.1952. 41.8 T445

24373 BETTINI, T. M. Criteria for evaluation of breeding stock. III. (In Italian.) Riv. di Zootec. 25:295-298. Oct.1952. 49 R52

24374 BONADONNA, T. Sterility of domestic animals. II. (In Italian.) Mondo Agr. 3(42):6. Oct.19,1952. 16 M74

24375 BRUGGEMANN. Möglichkeiten und grenzen der verwandtschaftszucht. Deut. Landwirt. Gesell. Mitt. 67:893-894. Nov.27,1952. 18 N39

24376 BRÜGGEMANN, H. Tierzüchterische begriffsbestimmungen. Tierzüchter 4:585-586. Dec.5,1952. 49 T445

24377 CARLEVARO CASTELLA, C. H. Importancia de la inseminación artificial. Uruguay. Min. de Ganad. y Agr. B. Inform. 438:11. Oct.23,1952. 9.9 G15B

24378 DIEZ RODRIGUEZ Y FELIZ, E. Aspectos económicos de la inseminación artificial ganadera. Ceres [Valladolid] 17(196):43. Oct.1,1952. 15 C33

24379 FILATOV, J. M. Training experts in livestock breeding on the Voroshilov kolkhoz. (In Czech.) Za Socialist. Zeměděl. 2:1204-1207. Oct.1952. 19.5 Z1

24380 FILMER, J. F. Research in animal breeding in Britain and U. S. A. Ruakura Farmers' Conf. Week. Proc. 1951:39-48. 49.9 R82
Includes discussion.

24381 HOELZER, and HANSKE. Der eidotterverdünner und seine filtration. Fortpflanzung u. Besamung der Haustiere 2:86-88. Nov.15,1952. 41.8 F773
Of semen.

24382 KOCH, P. Erbmängel und sterilität. Tierärztl. Umschau 7:484-486. Dec.1952. 41.8 T445

24383 NEĬFAKH, A. A. Vegetative hybridization of animals. (In Russian.) Priroda 41(8):107-111. Aug. 1952. 410 P933

24384 NICOULEAU, J. L'alimentation et la reproduction. Tarn-et-Garonne Agr. 15:167-168. (Cont.) Oct.1952. 14 T17

24385 OBÉE, H. Baden-Württembergs tierzucht. Deut. Landwirt.-Gesell. Mitt. 67:782-784. Oct.23,1952. 18 N39

24386 PEREZ Y PEREZ, F. La fructosa como material energético de la célula espermática en la conservación extraorgánica del esperma. Veterinaria [Madrid] 16:1135-1145. Ref. Dec.1952. 41.8 V6429

24387 PERRY, E. J., ed. The artificial insemination of farm animals. Ed. 2, rev. New Brunswick,Rutgers U. Press,1952. 341 p. Ref. 40 P42
J. W. Bartlett, J. Edwards, C. E. Terrill, V. Berliner, F. P. Jeffrey, E. P. Leonard, J. A. Henderson and R. P. Reece, contributors.

24388 SAN MARTIN F., M. Algunos aspectos experimentales sobre la actividad reproductiva. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:95-144. Ref. Dec.1951. 41.9 Un37

24389 SCHOOP, G. Fruchtbarkeitsstörungen durch pflanzenoestrogene. Fortpflanzung u. Besamung der Haustiere 2:73-74. Ref. Oct.15,1952. 41.8 F773

24390 SERVETTAZ, J. Hérédité discontinue; essai d'une interpretation pastorienne. Rec. de Méd. Vét. 128: 297-311. May 1952. 41.8 R24

24391 VANDEPLASSCHE, M. Die lebensdauer des spermas im weiblichen genitalapparat der tiere, klinische bedeutung. Fortpflanzung u. Besamung der Haustiere 2: 84-86. Ref. Nov.15,1952. 41.8 F773

24392 VEIGA, J. S. The Artificial Insemination Center in the university city. (In Portuguese.) Gado Holandês 16(190):8-11. Oct.1952. 43.8 G112
São Paulo Faculdade de Medicina Veterinaria, Posto de Inseminação Artificial.

24393 WESTERN LIVESTOCK REPORTER. Northwest's livestock directory '52. Billings,1952. 82 p. 286.85 W523
Breeders.

FEEDS AND FEEDING

24394 ALLCROFT, R. Some mineral deficiency problems of ruminants in Great Britain. Internatl. Grassland Conf. Abs. Papers 6(1):1-2. 1952. (Doc.5) 60.19 In86

24395 ANDERSSON, A. The vitamin feed supply—a survey and report on the current situation. (In Swedish.) Mjölkpropagandan 29:226. Oct.1952. 44.8 M692

24396 APPÉTENCE, présentation et conservation des aliments. Rev. de l'Élevage 7(spec.no.):104-105. 1952. 49 B462

24397 APPLETON, J. M. Utilization of feeds other than grain in livestock production. Agr. Inst. Rev. 7(6):19-20,22,24-25. Nov.1952. 7 Ag8

24398 ARCULARIUS. Der zweifelhafte wert der kalorie in der ernährungswirtschaft. Deut. Tierärztl. Wchnschr. 59:359-360. Dec.1,1952. 41.8 D482

24399 ASHTON, G. C. Advantages of using pelleted feed. Canad. Milling & Feed 33(12):27-28,32. Dec.1952. 298.8 C162

24400 AXELSSON, J. Comparative experiments with AIV-acid and molasses as an added ingredient to grass silage. (In Swedish.) Ladugården 11:346-348. Nov.1952. 44.8 L12

24401 AXELSSON, J. Use of molasses, grains, and other additives in making grass silage. Internatl. Grassland Conf. Abs. Papers 6(H):1. 1952. (Doc.5) 60.19 In86

24402 AXELSSON, J. Utilization of feed by livestock. II. (In Swedish.) Ladugården 11:328-332. Nov. 1952. 44.8 L12

24403 BACHNER. Brauchen wir einen winterfutterplan, und was ist bei der aufstellung des plans zu beachten? Deut. Landwirt. Gesell. Mitt. 67:848-849. Nov.13, 1952. 18 N39

24404 BARRET, A., ZELTER, S. Z., and DELAGE, J. Aux journées d'études sur la conservation des fourrages. Rev. de l'Élevage 7:610-611. Nov.1952. 49 B462
Silage.

24405 BARTELS. Volle produktionsleistung durch restlose verwertung der futterabfälle. Deut. Landwirt.-Gesell. Mitt. 67:795-796. Oct.30,1952. 18 N39

24406 BECKER, H. Der vitamin-komplex "A. P. F." (animal protein factor). Garmisch-Partenkirchen,1952. 2 v. Ref. (Fachliteratur- Ermittlungs- und Berichtsdienst für Industrie und Forschung. Archiv. 791;838) 389.7 B382

24407 BECKER, M. Hormone und hormonähnliche wirkstoffe in der tierernährung. Übersicht 3(10):53-56. Oct.1952. 18 Ub3

24408 BENDER, C. B. How to use grass or other silage. Natl. Assoc. Silo Mfr. Proc. 39:36-43. 1952. 60.79 N21
Includes discussion.

24409 BEREZOVSKIĬ, A. A. Methods of improving the quality of silage. (In Russian.) Sovet. Zootekh. 7(8): 80-87. Aug.1952. 49 So822

24410 BERNHARD. Erfolge mit halbheu. Landtechnik 7:771. Dec.1952. 58.8 L235
A type of silage.

24411 BETHKE, R. M. Practical implications of new developments in nutrition research. Fish Meal & Oil Indus. 4(10):5,12-13. Oct.1952. 414.8 F523
Livestock nutrition.

24412 BETHKE, R. M. Uniform texture and colour, balanced ingredients needed. Canad. Milling & Feed 33(12):24,32. Dec.1952. 298.8 C162
In feed.

24413 BIRD, H. R. Arsonic compounds in feeds. (Sum.) Feed Age 2(12):30. Dec.1952. 389.78 F327

24414 BIRD, H. R. What have we learned about antibiotics and arsenicals in feeds? Fish Meal & Oil Indus. 4(10):5-6,14. Oct.1952. 414.8 F523

24415 BOHSTEDT, G. What livestock men expect and require from harvested forages. Internatl. Grassland Conf. Abs. Papers 6(H):5-6. 1952. (Doc.5) 60.19 In86

24416 BOUE, A. La datte dans l'alimentation du bétail. Elevage et Cult. 5(46):11-12. Oct.1952. 24 EL2

24417 BREIREM, K., ULVESLI, O., and FRANK, H. Quality of the 1952 hay crop. (In Norwegian.) Norsk Landbr. 18:443-447. Dec.5,1952. 11 N8122

24418 BRION, A. L'importance économique de l'alimentation sur la santé des animaux. Rev. de l'Élevage 7(spec.no.):11,13,15,17. 1952. 49 B462

24419 BRÜGGEMANN, J. Vitamine und spurenelemente in der tierischen ernährung. Tierärztl. Umschau 7: 456-461. Dec.1952. 41.8 T445

24420 BURNS, L. V. Production control. 1. Feed Age 2(12):48-51,66. Dec.1952. 389.78 F327
Feed research and manufacture.

24421 BUTTLE, B. N., and others. Silage in New Zealand. Christchurch,1952? 23 p. 60.7 B98

24422 CHARLET, G., FRANCOIS, A., and LEROY, A. M. Relationship between the chemical composition of a feed, or a mixture of feeds, and the digestibility of the corresponding organic matter. Internatl. Grassland Conf. Abs. Papers 6(I):7-8. 1952. (Doc.5) 60.19 In86

24423 CLARK, R. Use of urea and molasses in winter feeding. Farming So. Africa 27:453-454. Oct.1952. 24 So842

24424 COMMON, R. H. Chemical evaluation of nutritive value of forages. Internatl. Grassland Conf. Abs. Papers 6(I):9. 1952. (Doc.5) 60.19 In86

24425 COOLEY, M. L. Quality control of arsonic compounds in feeds. (Sum.) Feed Age 2(12):34. Dec. 1952. 389.78 F327

24426 CRAMPTON, E. W. Balancing of forage diets with concentrates to maximize livestock production. Internatl. Grassland Conf. Abs. Papers 6(I):10. 1952. (Doc.5) 60.19 In86

24427 CUNNINGHAM, C. La aureomicina en la nutrición animal. Agrotecnia 7:42-43. Sept./Oct.1952. 8 Ag825

24428 CUNNINGHAM, I. J. Stock licks. Ruakura Farmers' Conf. Week. Proc. 1951:112-121. 49.9 R82
Includes discussion.
Mineral supplements for stock on pasture.

24429 CURNOW, D. H., and BENNETTS, H. W. Oestrogenic hormones in plants in relation to animal physiology. Internatl. Grassland Conf. Abs. Papers 6(1): 11. 1952. (Doc.5) 60.19 In86

24430 DANILENKO, I. A. Efficient organization of continuous green feed supply areas and their proper distribution among individual types of animals. (In Russian.) Sovet. Zootekh. 7(6):46-52. June 1952. 49 So822

24431 DENMARK. STATENS FODERSTOFKONTROL. [26. beretning fra Statens Foderstofkontrol; kontrollens virksomhed i tiden 1. september 1951 til 31. august 1952] [26th report of the State Feed Control; activities of the Control during the period September 1, 1951 to August 31, 1952]. København,1952. 176 p. 389.79 C79

24432 DIJKSTRA, N. D. Chemical and bacteriological changes involved in making grass silage and their effect on losses in feed value. Internatl. Grassland Conf. Abs. Papers 6(H):13-14. 1952. (Doc.5) 60.19 In86

24433 DINUSSON, W. E. The role of proteins in livestock feeds. N. Dak. Agr. Expt. Sta. Bimon. B. 15:55-58. Nov./Dec.1952. 100 N813B

24434 DODSWORTH, T. L., and CAMPBELL, W. H. M. Effect of the percentage of dry matter in the diet on the dry-matter intake in ruminants. Nature [London] 170: 1128-1129. Dec.27,1952. 472 N21

24435 DOW, J. K. D. Grass meal, its use and value in compounds. Broomhall's (George) Corn Trade News, Wk. & Amer. Ed. 62:483-484. Dec.3,1952. 286.81 B79

24436 DOW, J. K. D. Grass meal, its use and value in compounds. Milling 119:576,578. Nov.29,1952. 298.8 M622

24437 EBBESEN, E. A little on the evaluation of quality and feed value of silage. (In Danish.) Jydsk Landbr. 34:832-836. Nov.27,1952. 11 J99

24438 EDEN, A. Feed from sugar beet tops. Essex Farmers' J. 31(9):35,37,39. Nov.1952. 10 Es72

24439 FEDOSEEV, A. P. Meteorology and livestock driven-off to pastures. (In Russian.) Priroda 41(9):99-102. Sept.1952. 410 P933

24440 FERDINAND, T. Kisanje krme (siliranje) [Oxidation of forage (siloing)]. Ljubljana,1951. 67 p. 60.7 F37

24441 FERRIN, E. F. Modern methods make mo from roughages. Amer. Breeds 4(6):16-19. Nov.195 43.8 Z12

24442 FRANCE. DÉPT. DE LOIR-ET-CHER. DIRECTION DES SERV. AGRICOLES. L'ensilage des fourrages verts. Blois,1952. 20 p. 60.7 F84

24443 FRANÇOIS, A. L'alimentation vitaminique. Rev. de l'Élevage 7(spec.no.):27,29. 1952. 49 B462

24444 FRENCH, M. H. Mineral deficiencies in farm livestock. East African Agr. J. 18:4-8. July 1952. 24 Ea74

24445 FRITZ, J. C. Legal aspects of the arsonic compounds for use in feed. (Sum.) Feed Age 2(12):32. Dec.1952. 389.78 F327

24446 FROST, D. V. "Safety first" in use of arsonic compounds in feeds. (Sum.) Feed Age 2(12):30-31. Dec. 1952. 389.78 F327

24447 GALL, L. S. The role of rumen microorganisms in forage utilization. Internatl. Grassland Conf. Abs. Papers 6(I):13-14. 1952. (Doc.5) 60.19 In86
Roughage.

24448 GIFFORD, C. W. Let's make 'em cook raw garbage; it's a hotbed for disease—and it affects all farmers (not just hog men). Farm J. 77:30,98. Jan. 1953. 6 F2212

24449 GMELIN, W. Die aufstellung eines winterfutterplanes. Württemb. Wchnbl. f. Landwirt. 119:1015-1016. Nov.8,1952. 18 W96
Livestock feeding program.

24450 GRASHUIS. Neuere versuchsergebnisse in der tierernährung. (Extr.) Futter u. Fütterung 23:173-174. Oct.1952. 389.78 F98

24451 GRAU, C. R. Some aspects of protein nutrition. Feedstuffs 24(52):30-32,34-35. Dec.27,1952. 286.81 F322

24452 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Kale as a feedingstuff. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 408,4 p. Nov.1952. 10 G79La

24453 GUSTAFSSON, Y. Silage. (In Swedish.) (Sum.) Lantmannnen 36:1010-1011. Dec.6,1952. 11 L234
Research.

24454 HAFELE. Kampf den mangelerscheinungen bei landwirtschaftlichen nutztieren. Deut. Landwirt. Gesell. Mitt. 67:917-919. Dec.4,1952. 18 N39

24455 HOBBS, C. S., and HANSARD, S. L. Mineral excesses and toxicity. Internatl. Grassland Conf. Abs. Papers 6(I):15. 1952. (Doc.5) 60.19 In83

24456 HURD, M. A. Tall-growing fescue is filling gap in Southwest's year-round pasture need. Tex. Livestock J. 11(12):7,57. Dec.15,1952. 49 T29

24457 IDVALL, S. Feed value of this years hay. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12: 124-126. 1952. 11 K12

24458 JARL, F. Chemical and biological basis for silage preparation. (In Danish.) Tidsskr. f. Landøkon. 12:485-497. Dec.1952. 11 T43

24459 JOHNSON, L. H. Proteins in livestock nutrition. Mont. Stockgrower 24(12):23-24. Dec.15,1952. 49 M76

24460 JOHNSTON, J. B. A study in livestock health. Cattleman 39(8):150,152,154,156,160,162,164,166,168-169, 177-180. Jan.1953. 49 C29
Feeding.

24461 JONES, L. I. Measurement of palatability. Internatl. Grassland Conf. Abs. Papers 6(K):14. 1952. (Doc.5) 60.19 In86

24462 JUAREZ G., L. La hoja de yuca como forraje. Vida Agr. [Lima] 29:881,883,885,887-888. Oct.1952. 9.8 V66

24463 KARRASCH, R. H. Feed manufacturer's viewpoint. (Sum.) Feed Age 2(12):31. Dec.1952. 389.78 F327
Arsonic compounds in feeds.

24464 KEILHOLZ, F. J. How silage-feeding has changed! Country Gent. 123:18-19. Jan.1953. 6 C833

24465 KELLNER, O. J. Grundzüge der fütterungslehre. Ed. 11, rev. by A. Scheunert. Berlin,Parey,1952. 323 p. 389.7 K282G

24466 KINGON, F. M. Methods that ensure good silage. Farmer's Wk. [Bloemfontein] 84:57,59. Dec.3, 1952. 24 F225

24467 KIRSCH. Standardmischfutter und qualität. Unser Milchvieh. 4(10):2. (Cont.). Oct.1952. 43.8 Un7

24468 KJELDSTAD, S. K. Different ensilage preparations. (In Norwegian.) Samvirke [Oslo] 47:421-423. Oct.15,1952. 280.28 Sa4

24469 KNOEBEL, L. K., and BLACK, A. The influence of vitamin B_{12} and antibiotics on protein and energy utilization in a low protein diet. J. Nutr. 48:477-487. Ref. Dec.10,1952. 389.8 J82
Animals.

24470 KOCH, W. Futterverwertung. Tierärztl. Umschau 7:461-466. Dec.1952. 41.8 T445

24471 KONEKAMP, A. H. Converting results of grassland—animal production research into practice. Internatl. Grassland Conf. Abs. Papers 6(I):19-20. 1952. (Doc.5) 60.19 In86

24472 KÜHLE. Sichert die herbstliche futtergewinnung. Unser Milchvieh. 4(10):3. Oct.1952. 43.8 Un7
Chiefly on silage preparation.

24473 KYI, G. Die bereitung von sauerfutter und dessen anwendung. Tierzucht 6:391-392. Nov.1952. 49 T443

24474 LEB, S. Good management finds a niche for roots. Farmer's Wk. [Bloemfontein] 84:55. Oct.22,1952. 24 F225
Root crops for feed on Transvaal farms.

24475 LEDENT. Comment retirer le maximum de profit de nos cultures de mais hybride. II. Sillon Belge 22(534):8. Nov.15,1952. 13 Si3
Instalment deals with ensilage.

24476 LENSKII, A. A. From the practice of feeding spotted reindeer. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):78. July/Aug.1952. 49 K14

24477 LEROY, A. M. Determination of the amount of grass ingested by an animal grazing freely by the chemical analysis of the forage and of the faecal matter excreted. Internatl. Grassland Conf. Abs. Papers 6(K): 18-19. 1952. (Doc.5) 60.19 In86

24478 LEROY, A. M. L'intérêt économique d'une alimentation équilibrée. Rev. de l'Élevage 7(spec.no.):7-9. 1952. 49 B462

24479 LOPEZ, J. Digestibility experiment. (In Portuguese.) Granja [Porto Alegre] 7(58):44-47. Jan. 1952. 9.2 G76
Feed.

24480 LÜHRS Mineralstoffmangel und krankheitsentstehung. Landwirtbl. Weser-Ems 99:1085-1086. Oct.23,1952. 18 L2345
Livestock.

24481 MACLAY, W. D. Alfalfa nutritional studies. Flour & Feed 53(8):18. Jan.1953. 298.8 F66

24482 MADSEN, I. L. Feed uses of sugar beet byproducts. Feedstuffs 25(2):17-20,22,26. Jan.10,1953. 286.81 F222

24483 MADSEN, I. L. Sugar beet by-products; they have nutritional value in livestock feeding. Colo. Agr. Col. Colo. A. & M. News 7(5):2-4. Nov.1952. 6 C713

24484 MAKAROVA, M. M. How to improve the quality of silage. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:82-84. June 1952. 20 D742

24485 MERCHANT, L. D. Merchant reports conditions to Southeastern [New Mexico] Grazing Association. N. Mex. Stockman 17(12):15,84,86. Dec.1952. 49 N462

24486 MILLER, R. F. Green chopped alfalfa—range supplement with a punch. West. Livestock J. 31(5):51, 161-162,164. Jan.1953. 6 F2278

24487 MILLIMAN, T. E. Grass silage—keystone to farming. Natl. Assoc. Silo Mfr. Proc. 39:44-49. 1952. 60.79 N21

24488 MITCHELL, H. H., HAMILTON, T. S., and BEADLES, J. R. The relationship between the protein content of corn and the nutritional value of the protein. J. Nutr. 48:461-476. Ref. Dec.10,1952. 389.8 J82
Corn as feed.

24489 MONTGOMERY, G. A. Moist ear corn as green silage ration. Natl. Assoc. Silo Mfr. Proc. 39: 87-96. 1952. 60.79 N21
Includes discussion.

24490 MOREHOUSE, N. F. The economic value of arsonic compounds in feeds. (Sum.) Feed Age 2(12):33-34. Dec.1952. 389.78 F327

24491 MOXON, A. L. The trace elements in nutrition. Grain & Feed J. Consolidated 109(12):18-19. Dec. 24,1952. 298.8 G762
Livestock.

24492 NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Questions and answers on grass and legume silage. Nebr. Agr. Col. Ext. C. C. 113,8 p. May 1952. 275.29 N272Cc

24493 NEWELL, P. F. Safety lies in more feed than you need. Prog. Farmer, Miss.-Ark.-La. Ed. 67(12):16, 111. Dec.1952. 6 So81

24494 NICOLETTI, U. How calcium and phosphorus are utilized in animal nutrition. (In Italian.) Croce Azzurra 3(3):46-48. May/June 1952. 41.8 C87

24495 NOVAIS, S. C. Now Brazil is making balanced rations as good as those of the U. S. (In Portuguese.) Gado Holandês 16(190):5-6. Oct.1952. 43.8 G112

24496 ORTH. Gärfutter und halbheu. Landtechnik 7: 771-772. Dec.1952. 58.8 L235

24497 ORTIZ GARMENDIA, J. El "carbon" del maiz, responsable de intoxicaciones del ganado y de las aves. Campesino [Santiago] 84(10):27-28. Oct.1952. 9.3 So12
Ustilago maydis.

24498 PACI, C. Minerals in livestock nutrition. (In Italian.) Rinascita Agr. 7(9):1-2. Mar.1,1952. 281.8 R47

24499 PATRIAS, G. The use of arsonic compounds in practical feeding tests. Feed Age 2(12):32-33. Dec. 1952. 389.78 F327

24500 PATTON, A. R. The D-amino acids in nutrition. Poultry Comment 9(4):3. Sept.1952. 47.8 D92

24501 PEYTHIEU. L'alimentation rationnelle des animaux à la ferme. Nord Agr. 9(3):6. (Cont.) Nov.7, 1952. 14 N75

24502 PRAKHIN, M. E., KABOZOV, S. M., and ZHURAVEL', A. A. Castorbean oilcake and meal detoxicated under industrial conditions—new protein feed for farm animals. (In Russian.) Sovet. Zootekh. 7(6):64-74. June 1952. 49 So822

24503 QUEBEC. PROVINCIAL FEED BOARD. Feeders' guide and formulae for meal mixtures, twenty-fourth edition. Quebec,1951, 67 p. 389.79 Q3

24504 RAY, S. C. Animal nutrition. Annu. Rev. Biochem. & Allied Res. India 22:101-107. 1951,pub. Sept.1952. 385 So13

24505 RINECKER. Die notwendigkeit einer intensiven futterberatung. Deut. Landwirt. Gesell. Mitt. 67: 846-847. Nov.13,1952. 18 N39

24506 ROGERS, C. F. Treatments to get best silage qualities. Natl. Assoc. Silo Mfr. Proc. 39:50-61. 1952. 60.79 N21
Includes discussion.

24507 SCHUBERT. Kraftfutter aus dem eigenen betrieb. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(7/8):8-10. 1952. 49 B32

24508 SEMPLE, A. T. Extending the use of harvested forage on ranges. Internatl. Grassland Conf. Abs. Papers 6(H):32-33. 1952. (Doc.5) 60.19 In86

24509 SOBACHENKOV, P. A. To prepare more high quality silage. (In Russian.) Sotsialist. Zhivotnovod. 14(7):12-16. July 1952. 49 So71

24510 STEENSBERG, V. Making grass silage without additives. Internatl. Grassland Conf. Abs. Papers 6(H):36. 1952. (Doc.5) 60.19 In86

24511 STURGIS, H. O. Fish meal values. East. Feed Merchant 4:30,32,79. Jan.1953. 389.78 Ea7

24512 TRAUTWEIN, K. Die mangelkrankheiten im viehstall. Bauern-Ztg. 5(45):5. (Cont.) Nov.7,1952. 18 B324

24513 TRAUTWEIN, K. Die mangelkrankheiten im viehstall. Bauern-Ztg. 5(46):5. Nov.14,1952. 18 B324

24514 TRIBE, D. E. The relation of palatability to nutritive value and its importance in the utilization of herbage by grazing animals. Internatl. Grassland Conf. Abs. Papers 6(I):27. 1952. (Doc.5) 60.19 In86

24515 TURK, K L. Changes in the composition and quality of forage dried on barn finishing systems. Internatl. Grassland Conf. Abs. Papers 6(H):37-38. 1952. (Doc.5) 60.19 In86

24516 U. S. BUR. OF ANIMAL INDUSTRY. Better feeding of livestock. U. S. D. A. Farmers' B. 2052,61 p. Aug.1952. 1 Ag84F
U. S. Bureau of Dairy Industry cooperating.
Revision of and supersedes Miscellaneous Circular 12.

24517 VIRTANEN, A. I. Use of acids in making grass silage. Internatl. Grassland Conf. Abs. Papers 6(H):39-40. 1952. (Doc.5) 60.19 In86

24518 WACKER, H. Einsäuerungsversuche 1951/52. Praxis u. Forsch. 4:121-129. Oct.20,1952. 18 P89
Germany.

24519 WALL, P. F. Grasses make the cheapest silage. Farmer's Wk. [Bloemfontein] 84:12-13,15. Dec. 3,1952. 24 F225

24520 WARD, A. L. Protein in livestock feeding. Flour & Feed 53(8):24. Jan.1953. 298.8 F66

24521 WATSON, C., JR. Grass silage for Illinois feeding. Corn Belt Livestock Feeder 4(8):8-9. May 1952. 280.83 C81

24522 WATSON, S. J. Chemical and physical changes in forage following cutting that influence their character and feeding values; and factors that affect these changes. Internatl. Grassland Conf. Abs. Papers 6(H):41-42. 1952. (Doc.5) 60.19 In86

24523 WEINMANN. Hormone und vitamine in der viehfütterung. Hannoversche Land- u. Forstwirt. Ztg. 105:1114. Nov.1,1952. 18 H194

24524 WEITS, J. A factor in hay inhibiting the action of vitamin D. Nature [London] 170:891. Nov.22,1952. 472 N21

24525 WELSH, F. The use of antibiotics in feed. Blood-Horse 64:1317,1353-1354,1357-1358. Dec.20,1952. 42.8 T392

24526 WILLIAMS, M. A. Some notes on nutrition; a discussion of some of the principles of research work in animal nutrition. Blood-Horse 64:1274,1276,1283. Dec. 13,1952. 42.8 T392

24527 WÖHLBIER, W. Der wert des futterrübenblattes für die fütterung. Deut. Landwirt.-Gesell. Mitt. 67:798-799. Oct.30,1952. 18 N39

24528 WOODMAN, H. E. Rations for livestock. Gt. Brit. Min. Agr. & Fisheries. B. 48,ed.12,144 p. Ref. Aug.1952. 10 G794B

24529 ZAFREN, S. ÏÀ. More [grass] silage of good quality. (In Russian.) Kormovaîa Baza 3(9):46-51. Sept. 1952. 60.8 K84

24530 ZIL'BERMAN, S. L. Experiment in utilizing nettle as feed for livestock. (In Russian.) Sotsialist. Zhivotnovod. 14(7):84-86. July 1952. 49 So71

VETERINARY MEDICINE

24531 ACHEM M., J. L. Que es brucelosis. Campo [Tacuba] (ser.2)20(727):20,22,24-25. Sept.30,1952. 8 C157

24532 ANCHOR SERUM CO. Vaccination simplified; a discussion of common livestock diseases with instruction on vaccination. St. Joseph,Mo.,1952. 40 p. 41 An292

24533 ANIMAL DISEASES RESEARCH ASSOCIATION. Annual report and accounts, 1951-1952. Edinburgh,1952. 19 p. 41.9 An5A

24534 AVELLINI, G. The so-called "foreign body zone" of Kalchschmidt is a Head's zone. (In Italian.) Croce Azzurra 3(5):3-7. Ref. Sept./Oct.1952. 41.8 C87
English summary.

24535 BAKER, J. M., and BRACKEN, F. K. Plastic fracture sleeve. Vet. Med. 48:28-29. Jan.1953. 41.8 M69

24536 BAUER, H. Tierarzt und tierzucht. Tierärztl. Umschau 7:442-455. Ref. Dec.1952. 41.8 T445

24537 BECHADE, A., and BRU, C. Désinfection et hygiène vétérinaire. Rec. de Méd. Vét. 128:333-350. June 1952. 41.8 R24

24538 BERTHELON, M. La chirurgie gynécologique et obstétricale des femelles domestiques. Ed. 2, rev. and enl. Paris,Vigot,1951. 344 p. Ref. 41 B465

24539 BOYD, A. G. The building program of the California State Animal Pathology Laboratory. Amer. Vet. Med. Assoc. J. 122:11-13. Jan.1953. 41.8 Am3

24540 BRADISH, C. J., and others. Ultracentrifugal studies of the infective and complementfixing components in the virus system of foot-and-mouth disease. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140:107-127. Ref. Aug. 27,1952. 501 L84B
J. B. Brooksby, J. F. Dillon, and M. Norambuena, joint authors.

24541 BRADT, C. G. Livestock health steps ahead under Extension Service leadership. Ext. Serv. Rev. 23: 212-213,226. Dec.1952. 1 Ex892Ex

24542 BRADT, C. G. Public livestock health programs, 1951; a study of Extension Service programs and activities as promoted in the various States in cooperation with other agencies, Federal, State, and local. Washington,U. S. Ext. Serv.,1952. 23 p. 1.913 A4P96
New York (Cornell) State College of Agriculture and U. S. Bureau of Animal Industry cooperating.

24543 BRADT, C. G. Some brucellosis observations. Breeder-Stockman 14(7):52-53. Dec.1952. 49 V81

24544 BRION, A. Les groupes sanguins chez les animaux. Encyc. Vét. Période. 5/6:157-165. Nov./Dec.1952. 41.8 En1

24545 BUHL, K. Der maul-und-klauenseuche-gang 1951/52 und seine abwehrmassnahmen in Westdeutschland. Monatsh. f. Prakt. Tierheilk. 4:495-501. 1952. 41.8 M74

24546 BUHL, K. Zum deutschen tierärztetag 1952. Tierärztl. Umschau 7:496-499. Dec.1952. 41.8 T445
Veterinary medicine in Germany.

24547 BURG, W. B. General campaign against foot and mouth disease. (In Dutch.) Landbode 6(43):1. Oct. 30,1952. 12 L234
Netherlands.

24548 CARATI, M. Potassium in comparative medicine. (In Italian.) Riv. di Med. Vet. e Zootec. 4:133-142. Ref. July/Aug.1952. 41.8 R522

24549 CHARITAT, P. Les cas anormaux de cryptorchidé. Encyc. Vét. Période. 5/6:118-120. Nov./Dec. 1952. 41.8 En1

24550 CHECA, G. La glosopeda, vencida. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 53:27. Oct.1952. 15 Sa7

24551 CHU, H. P. Variation of Bacillus anthracis with special reference to the non-capsulated avirulent variant. J. Hyg. 50:433-443. Ref. Dec.1952. 449.8 J82

24552 ĆIRIĆ, K. The skin of domestic animals, its function and care. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(14):2-6. Oct.1952. 21.5 V87

24553 COLLINS, J. H. Federal drug regulations as they apply to veterinarians. Amer. Vet. Med. Assoc. J. 122:9-10. Jan.1953. 41.8 Am3

24554 CONGRESO PANAMERICANO DE MEDICINA VETERINARIA. 1, LIMA, 1951. Contribución a la bibliografia veterinaria americana, recopilada por R. Ponce Paz. Lima,1951. 47 p. 241.71 C76

24555 CONGRESO PANAMERICANO DE MEDICINA VETERINARIA. Información del congreso y resoluciones aprobadas en la sesion plenaria del 28 de octubre de 1951. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:229-260. Dec.1951. 41.9 Un37

24556 CUTTS, J. Nitrate poisoning. Auburn Vet. 9: 39-40. Fall 1952. 41.8 Au1

24557 DATTA, S., and others. To consider the means of providing for the highest standards of veterinary education and training in India needed to meet the national requirements, central and provincial, in research specialist, investigators, teachers and field workers. India. Bd. Agr. & Anim. Husb. Proc. 8:228-240. 1951. 49.9 In22
M. Y. Mangrulkar, R. L. Kaura, and L. Sahai, joint authors.

24558 DATTA, S., AHUJA, M. L., and NAYAR, P. U. To work out a plan for a central organisation to administer standards for veterinary biological products in India. India. Bd. Agr. & Anim. Husb. Proc. 8:134-139. 1951. 49.9 In22

24559 DATTA, S., SAHAI, L., and MEHRA, G. K. To work out a plan for the setting up of a veterinary council for the Indian Union, if possible, on the lines of the R.C.V.S. in the United Kingdom, to embrace provincial examination boards and university faculties of veterinary science and to ensure uniformity and adequacy of standards. India. Bd. Agr. & Anim. Husb. Proc. 8:216-227. 1951. 49.9 In22
Indian Council of Agricultural Research cooperating.

24560 DELAGE, J. L'alimentation rationnelle. Rev. de l'Élevage 7(spec.no.):19,21,23-25. 1952. 49 B462

24561 DELGADO VIVAS, V. Manual del ganadero. Vida Rur. [Caracas] 13(17/13,i.e.17/18):33. (Cont.) Sept./Oct.1952. 9.95 V66
Parturition.

24562 DENMARK. VETERINAERDIREKTORATET. Arsberetning fra Veterinaerdirektoratet for aret 1950. Rapport annuel du Service Vétérinaire du Danemark pour l'année 1950. København,1952. 138 p. 41.9 D413

24563 DE VILLIERS, O. T. Animal diseases dangerous to man. Farming So. Africa 27:465-466. Oct.1952. 24 So842

24564 DINTER, Z. Über einige virusarten der influenzagruppe. Berlin. u. Münch. Tierärztl. Wchnschr. 65:241-243. Ref. Dec.1952. 41.8 B45

24565 DISEASE INVESTIGATION OFFICERS CONFERENCE. Recommendations. India. Bd. Agr. & Anim. Husb. Proc. 8:140-142. 1951. 49.9 In22

24566 DYKSTRA, R. R. Animal sanitation and disease control. Rev. and enl. Danville,Ill.,1952. 808 p. 41 D99

24567 EAST AFRICAN VETERINARY RESEARCH ORGANIZATION. Annual report 1951. Nairobi,1952. 24 p. 41.9 Ea76

24568 EDWARDSON, J. Animal health. VI. Foot-and-mouth disease. Young Farmer 20:397,399-400. Nov./Dec.1952. 10 Y8

24569 ERENÇİN, Z., and HASSA, O. Evcil memelilerde killarin morfolojik özellikleri ve bu yolla teşhis imkanlari. Türk Vet. Hekimleri Dernegi. Dergisi 22:253-279. Ref. Sept./Oct.1952. 41.9 T84
English summary.
Diagnosis of origin of hairs of domestic animals.

24570 ERTURK, O. Tavuk embryosunda viruslardan ileri gelen enfeksiyonu meydana çikarmak için yapılan kimyasal metod üzerinde araştirmalar. Türk Vet. Hekimleri Dernegi. Dergisi 22:289-293. Sept./Oct.1952. 41.9 T84
English summary.
Method which shows existence of a virus infection in amniotic and allantoic fluid of embryos.

24571 FALINI, L. Problems of diseases of young animals according to G. Schoop. (In Italian.) Croce Azzurra 3(3):13-21. May/June 1952. 41.8 C87
Chiefly vitamin deficiencies.

24572 FIENNES, R. N. T W. Diurnal variations in the blood picture of cattle. Nature [London] 170:934-935. Nov.29,1952. 472 N21

24573 FLORESTANO, H. J., and others. Blood concentrations of sulfonamides in dogs, swine and cattle. No. Amer. Vet. 34:17-20. Ref. Jan.1953. 41.8 N812
M. E. Bahler, H. E. Blair, and G. R. Burch, joint authors.

24574 FØLGER, A. F. Almindelig patologi for veterinær-studerende og dyrlæger [General pathology for veterinary students and veterinarians]. København, Kgl. Veterinaer- og Landbohøjskole,1951. 516 p. 41 F71

24575 FRANCE. SERV. VETERINAIRES DE LA VILLE DE PARIS ET DU DEPT. DE LA SEINE. Rapport sur les opérations, pendant l'année 1951. Paris,1952. 49 p. 41.9 F842

24576 FRAUER, M. Parasitäre haustiererkrankungen im Kreis Nürtingen. Giessen,1951. 76 p. Ref. 41.2 F86
Inaug.-Diss. - Giessen.

24577 FRÖHNER, E. Lehrbuch der allgemeinen therapie für tierärzte. Ed. 7, rev. and enl., by R. Volker and D. Krause. Stuttgart,Enke,1952. 319 p. 41 F92A

24578 GT. BRIT. AGRICULTURAL RESEARCH COUNCIL. Foot-and-mouth disease research, interim report. London,H. M. Stationery Off.,1952. 11 p. 41.9 P66
At the Foot-and-Mouth Disease Research Institute, Pirbright.

24579 GREENE, J. E., and others. Orthopedic surgery. No. Amer. Vet. 34:50-51. Jan.1953. 41.8 N812
B. F. Hoerlein, H. W. Hayes, R. P. Knowles, and E. P. Leonard, joint authors.

24580 HARRIS, J. El control de la glosopeda. Ceres [Valladolid] 17(196):17,19. Oct.1,1952. 15 C33

24581 HAUDUROY, P., and TANNER, F. The lyophilization of bacterian antigens for the sero-diagnosis of brucellosis. Experientia 8:464-465. Dec.15,1952. 475 Ex7

24582 HJARRE, A., EHLERS, T., and THAL, E. Riesenzellenpneumonien bei tieren. Schweiz. Z. f. Allg. Path. u. Bakt. 15:566-590. Ref. 1952. 448.8 Sch9
English summary.

24583 HOERLEIN, B. F. Pathological conditions of the spinal cord in domestic animals, a review. I. Auburn Vet. 9:27-32. Fall 1952. 41.8 Au1

24584 INNES, J. R. M. Comparative pathology—liver-brain complexes in man and animals. No. Amer. Vet. 34: 29-30. Jan.1953. 41.8 N812

24585 JACINTHO, J. F. C. Use of the principal antibiotics in veterinary medicine. (In Portuguese.) Veterinário 2:49-59. June/Aug.1952. 41.8 V6438

24586 KASECKER, H. F. Uber die geschichte und die bekämpfung der trichine. Weiden,Der Neue Tag,1951. 55 p. Ref. 436 K15
Inaug.-Diss. - Munich.

24587 KILLNER, M., and SANDOVAL, L. A. Rabies. (In Portuguese.) Veterinário 2:29-39. June/Aug.1952. 41.8 V6438

24588 KLEMME, F. A. Verbreitung parasitärer tierkrankheiten im Kreise Hanau a. M. Giessen,1951. 37 p. Ref. 436 K675
Inaug.-Diss. - Giessen.

24589 KOHL, L. A. Untersuchungen über das vorkommen von tuberkelbakterien im paralymphonodären gewebe bei fleischlymphknotentuberkulose. Giessen,1951. 27 p. Ref. 41.2 K826
Inaug.-Diss. - Giessen.

24590 KOHORST, E. Die gefässwirkung einiger neuer theophyllinderivate. Giessen,1951. 33 p. 396 K823
Inaug.-Diss. - Giessen.

24591 KORKHAUS, R. Untersuchungen zur peroralen unspezifischen reiztherapie. Esberitox in der veterinärmedizin. Deut. Tierärztl. Wchnschr. 59:355-359. Ref. Dec.1,1952. 41.8 D482

24592 KOROPOV, V. M. On some problems in pathophysiology of the highest nervous activity of farm animals. (In Russian.) Sovet. Zootekh. 7(8):67-74. Aug. 1952. 49 So822

24593 KRUGER, G. Der anatomische wortschatz unter mitberücksichtigung der histologie und der embryologie für die studierenden der veterinärmedizin. Ed. 2, rev. and enl. Leipzig,Hirzel,1951. 104 p. 444 K933

24594 LAHIRI, J. H., and others. To consider the practicability of having a uniform standard of education in all veterinary colleges in India. India. Bd. Agr. & Anim. Husb. Proc. 8:240-260. 1951. 49.9 In22
M. Y. Mangrulkar, S. R. Chaddha, S. V. Mudaliar, P. G. Pande, H. H. Khan, and Civil Veterinary Department, (Bihar), joint authors.

24595 LAPPE, C. F. H. Experimentelle untersuchungen über die diuretische wirkung einiger theophyllinpräparate im vergleich zu deriphyllin. (Excerpts.) Giessen,1951. 16 p. 396 L312
Inaug.-Diss. - Giessen.

24596 LEDERLE LABORATORIES. ANIMAL INDUSTRY SECT. Common diseases of livestock. New York, 1952. 40 p. 41 L494C

24597 LIEBELT, J. Erfahrungen mit falicain in der kleintierpraxis. Monatsh. f. Vetmed. 7:426-427. Nov.1, 1952. 41.8 M742

24598 LIVESTOCK CONSERVATION. More meat and milk: how to get them through livestock conservation. Chicago,1952? 7 p. 41 L752
Program of Livestock Conservation, inc.

24599 MACIAS P., E. Inmunicemos nuestros animales domésticos. Consorcio de Cent. Agr. de Manabi. Rev. 12(71):43-44,46. July/Sept.1952. 9.5 M31

24600 MCMEEKAN, C. P. Growth in the meat animal. Ruakura Farmers' Conf. Week. Proc. 1951:178-192. 49.9 R82
Includes discussion.

24601 MCMEEKAN, C. P. Views on veterinary education. New Zeal. Vet. J. 1:8-11. Sept.1952. 41.8 N483

24602 MANOLSON, F. Research on foot-and-mouth. Canad. Cattlemen 15(12):32-33. Dec.1952. 49 C16

24603 MAY, R. M. Aspects actuels de la greffe animale. Alençon,1951. 27 p. 442 M452

24604 MELLO, D. C. DE. Considerations on blood groups. (In Portuguese.) Veterinário 2:41-48. Ref. June/Aug.1952. 41.8 V6438

24605 MEYER, R. K. Endocrine mechanisms in reproduction. No. Amer. Vet. 34:33-35,43. Jan.1953. 41.8 N812

24606 MILAKNIS, A. An improved technic of fecal examination. (Extr.) Vet. Med. 48:41. Jan.1953. 41.8 M69

24607 MILLS, A. M. Livestock population grows—let's work to control livestock diseases. (Excerpts.) South. Livestock J. 12(7):90-92. Jan.1953. 43.8 F66A

24608 MITCHELL, C. A. Canada's oldest veterinary practice. Canad. J. Compar. Med. 16:421. (Cont.) Dec. 1952. 41.8 C162

24609 MOLOVANOV, V. How to increase the viability of the progeny of farm livestock. (In Czech.) Za Socialist. Zeměděl. 2:1151-1157. Oct.1952. 19.5 Z1

24610 MORAES, J. R. DE. The functions of veterinarians. (In Portuguese.) Fauna [São Paulo] 11(11):22-25. Nov.1952. 410 F272

24611 MOSE, N. M. Veterinaere desseiner [Veterinary remedies]. Randers,Eget,1951. 122 p. 41 M854

24612 MULLER, E. Tierheilkunde für das bauernhaus. Wien,Osterreichischer Agrarverlag,1952. 340 p. 41 M918

24613 NEW YORK STATE VETERINARY COLLEGE. Report for the year 1950-51. Geneva,1952. 117 p. 41.9 N482R

24614 NEWMAN, L. F. Some notes on the folk-lore and history of veterinary science. Roy. Army Vet. Corps. J. 23:133-140. Ref. (Cont.) Dec.1952. 41.8 G79

24615 NOBLE, G. A., and NOBLE, E. R. Entamoebae in farm mammals. J. Parasitol. 38:571-595. Ref. Dec. 1952. 448.8 J824

24616 NORTH DAKOTA. LIVESTOCK SANITARY BOARD. Forty-fifth and forty-sixth annual report, years 1951 and 1952. Bismarck,1952. 94 p. 49.9 N81

24617 ORDRE NATIONAL DES VÉTÉRINAIRES, PARIS. Fonctionnement du Conseil superieur et des Conseils regionaux. Paris,1951? 12 p. 41.9 Or2F

24618 PIANA, G. Effects of large doses of vitamin E on mammary gland development. (In Italian.) Riv. di Zootec. 25:319-322. Nov.1952. 49 R52

24619 PONS MUZZO, J. Las proteínas del suero en los animales domésticos. II. Proteinemia del carnero, caballo y perro. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:171-183. Ref. Dec.1951. 41.9 Un37
English summary.

24620 REINHARDT, K. Das veterinärwesen der DDR im volkswirtschaftsplan 1952. Monatsh. f. Vetmed. 7:456-459. Nov.15,1952. 41.8 M742

24621 ROCCA, G. Chloromycetin—its possible applications in veterinary medicine. (In Italian.) Riv. di Med. Vet. e Zootec. 4:105-124. Ref. May/June 1952. 41.8 R522

24622 RODRIGUEZ GARCIA, J. A. Los lombricidas: cuáles y como deben emplearse en la lucha contra los parásitos. III-IV. Uruguay. Min. de Ganad. y Agr. B. Inform. 433:13; 434:10. Sept.18-25,1952. 9.9 G15B

24623 ROSERO S., C. Principales enfermedades infecciosas de los animales domésticos en la provincia de Manabi. Consorcio de Cent. Agr. de Manabi. Rev. 12(71):9-14. July/Sept.1952. 9.5 M31

24624 ROSS, W. D. Keeping foot and mouth disease out of New Zealand. New Zeal. J. Agr. 85:339,341,343, 345-346. Oct.15,1952. 23 N48J

24625 SANDERS, D. A. Isolate all newly purchased animals and you'll be safe. South. Livestock J. 12(7):69. Jan.1953. 43.8 F66A
Disease control.

24626 SANTA ROSA, C. Foot and mouth disease. (In Portuguese.) Soc. Rur. Bras. Rev. 32(381):68, Oct. 1952. 9.2 B733

24627 SCHEUNEMANN, H. Die anwendung der vitamin-F-präparate in der veterinärmedizin. Monatsh. f. Vetmed. 7:449-450. Nov.15,1952. 41.8 M742

24628 SCHMID, G. Kasuistischer beitrag über das vorkommen von Salmonella-keimen bei haustieren in der Schweiz. Schweiz. Z. f. Allg. Path. u. Bakt. 15:603-610. 1952. 448.8 Sch9
English summary.

24629 SCHMITT, W. Beiträge zur kenntnis von phenothiazin als anthelminthikum bei grossen haustieren. Giessen,1951. 38 p. Ref. 436 Sch55
Inaug.-Diss. - Giessen.

24630 SCHNEIDER, B., and EISSNER, G. Vergleichende immunisierungsversuche an meerschweinchen gegen maul- und klauenseuche mit meerschweinchen- und rindervirus-adsorbatvakzinen. Monatsh. f. Prakt. Tierheilk. 4:491-495. 1952. 41.8 M74

24631 SENDER, L. Production of antisera from large animals. Fort Dodge Bio-chem. Rev. 23:8-11,18. Fourth Q.1952. 41.8 F772

24632 SHOLL, L. B. Four simple and effective aids to diagnosis in veterinary medicine. M. S. C. Veterinarian 13:18,21. Fall 1952. 41.8 M582

24633 SIERRA, J. DE LA. Los veterinarios, la literatura y la investigación histórica. B. de Zootec. 8: 297-298. Oct.1,1952. 41.9 So16

24634 SIMONNET, H., and LE BARS, H. Emploi des stimulants hormonaux en élevage et hygiéne publique. Path. Gen. 52:575-581. Ref. Oct.1952. 448.8 R326

24635 STEINIGER, F. Uber die giftigkeit des Actosin-wirkstoffs für haustiere. Nachrbl. des Deut. Pflanzenschutzdienstes 4:149-153. Oct.1952. 442.9 B832

24636 SWAZILAND. VETERINARY DEPT. Annual report for the year 1951. Bremersdorp,1952? 48 p. 24 Sw23

24637 TAMM, H. Vergleichende untersuchungen über die weckwirkung des cardiazols und eines neuen tetrazols. (Sum.) Giessen,1951. 20 p. 41.2 T153
Inaug.-Diss. - Giessen.

24638 TRAUTWEIN, K. Über die wirtschaftlichen schäden der deckseuchen. Tierärztl. Umschau 7:490-496. Dec.1952. 41.8 T445
Includes discussion.

24639 UBERTINI, B. Observations and studies on type A foot-and-mouth disease in Europe in 1951-1952. (In Italian.) Clin. Vet. 75:289-300. Oct.1952. 41.8 C61

24640 UGANDA. VETERINARY DEPT. Annual report for the year ended 31st December, 1951. Entebbe,1952. 39 p. 41.9 Ug1

24641 U. S. BUR. OF ANIMAL INDUSTRY. Program for employment of veterinary trainees. Washington,1952. 4 p. 1.972 A2P945

24642 U. S. LIVESTOCK SANITARY ASSOCIATION. Report of the fifty-sixth annual meeting, Louisville, Kentucky. Vet. Med. 48:1-23. Jan.1953. 41.8 M69
Includes abstracts and notes of papers and committee reports.

24643 UNLÜ, E. M. M. Zur serologischen diagnostik des Q-fiebers; ergänzt durch untersuchungen an Schlachttieren des Hamburger schlachthofes. Hannover,1951. 24 p. Ref. 41.2 Un42
Inaug.-Diss. - Tierärztliche Hochschule, Hannover.

24644 VANDEPLASSCHE, M. Vruchtbaarheid en onvruchtbaarheid bij onze grote huisdieren [Fertility and sterility of our big domestic animals]. Gent,Standaard-Boekhandel,1952. 176 p. (Ghent. Universiteit. Cursussen Gedoceerd. Diergeneeskundige Wetenschappen Reeks) 444 V282

24645 VEGA D., E. DE LA. Aspectos histológicos del aparato digestivo y sistema urogenital de la alpaca. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:145-170. (Cont.) Dec.1951. 41.9 Un37

24646 VERCRUYSSE, R. Have infectious larvae of Dictyocaulus viviparus survived the winter period 1951-1952? (In Flemish.) Vlaams Diergeneesk. Tijdschr. 21: 183-187. Sept./Oct.1952. 41.8 V84
English summary.

24647 VOCINO, G. Iodine. (In Italian.) Croce Azzurra 3(4):24-28. July/Aug.1952. 41.8 C87
History of therapeutic use.

24648 VUILLAUME, R. Méthodes et techniques de la chimiothérapie. Rev. d'Élevage et de Méd. Vét. des Pays Trop. (n.s.)5:131-137. 1951/52. 41.8 R3262

24649 WESTERFIELD, C. Laboratory exercises in histology and embryology of the domestic animals. Ed. 3. Athens,Ga.,1952. 204 p. 444 W522

24650 WESTERLUND, A. Features of the physiology of the rumen—rumen bacterias. (In Swedish.) Ladugården 10:309-310,312. Oct.1952. 44.8 L12

24651 YOUNCE, R. R. Operation of Federal-State agencies in animal disease control. Oreg. Dept. Agr. Agr. B. 176:3-4. Dec.1952. 2 Or3

MISCELLANEOUS

24652 ANWANDTER, A., and GRUEBLER, R. Trabajo sobre la ganadería. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.271-281. Temuco,1952. 27 C7655

24653 BOUE, A. L'originalité du chameau. Rev. d'Élevage et de Méd. Vét. des Pays Trop. (n.s.)5:109-114 1951/52. 41.8 R3262

24654 DANILENKO, I. A. Summary of achievements of the Ukrainian Scientific-Research Institute of Animal Industry. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:64-69. July 1952. 20 D742
In Russian.

24655 DERKACH, I. G. Organization and development of animal industry on Lenin Collective Farm [Chadyr-Lungskiĭ District, Moldavian SSR]. (In Russian.) Sotsialist. Zhivotnovod. 14(7):59-65. July 1952. 49 So71

24656 DIAZ MONTILLA, R. VI Congreso Internacional de Zootecnia. B. de Zootec. 8:299-303. Oct.1,1952. 41.9 So16

24657 ETIGNY, J. D'. Las exposiciones ganaderas y los registros genealógicos del ganado. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.302-314. Temuco,1952. 27 C7655

24658 GREEN, R. J. Animal shows. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:372-374. Nov.1952. 23 T182T

24659 GUARD, S. R. The International—lessons from the world's greatest stock show. Breeder's Gaz. 118:8-9,21. Jan.1953. 49 B74

24660 HOUT, A. VAN. A new inspection method for small livestock exhibitions and contests. (In Flemish.) Cult. en Handel 18:665-666. Nov.1952. 80 C892

24661 HOUT, A. VAN. Une reforme utile; nouveau mode de jugement aux expositions et concours de petits animaux de basse-cour. Cour. Hort. 14:567-568. Oct. 1952. 80 C834

24662 INDIA. BOARD OF AGRICULTURE AND ANIMAL HUSBANDRY. ANIMAL HUSBANDRY WING. Proceedings of the eight meeting, Mysore, 17th to 22nd February 1949. Delhi,1951. 260 p. 49.9 In22

24663 JORDANO BAREA, D. La clasificación decimal zootécnica. B. de Zootec. 8:313-316. (Cont.) Oct.1,1952. 41.9 So16

24664 JULIENNE, P. Le registre sanitaire d'étable. Encyc. Vét. Période. 5/6:137-139. Nov./Dec.1952. 41.8 En1

24665 LECAROS, A. Benefits derived from the [Philippine] Livestock Extension Division of the Bureau of Animal Industry, 1946-1951. Agr. & Indus. Life 14(10):8, 45. Oct.1952. 25 Ag8

24666 MARTINEZ, C. Avance importante en el progreso de la ganaderia. Agrario 17(4):4-5. 1952. 9.3 Ag85
Care in Chile.

24667 MITROKHIN, M. A. To introduce extensively into production the achievements of science and practice of leaders in animal husbandry. (In Russian.) Sotsialist. Zhivotnovod. 14(7):22-26. July 1952. 49 So71

24668 NUSSHAG, W. Die hygiene der tierunterkünfte. Monatsh. f. Vetmed. 7:428-437,450-456. Nov.1-15,1952. 41.8 M742

24669 RAITHBY, G. E. Dairy herd management. 8. Conferences in Copenhagen. Holstein-Friesian J. 15(8): 20-21. Nov.1952. 43.8 H743

24670 RAPPORT sur l'élevage à Madagascar. Rev. d'Élevage et de Méd. Vét. des Pays Trop. (n.s.)5:139-145. 1951/52. 41.8 R3262

24671 REESE, E. A. Reindeer in Finland. Foreign Agr. 16:211-215. Dec.1952. 1.9 Ec7For

24672 RIASHCHENKO, L. P. Improving maintenance conditions of spotted reindeer. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):50-52. July/Aug.1952. 49 K14

24673 SCHROER. Die viehseuchenentschädigungskasse. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 2039. Dec.11,1952. 18 L2346

24674 SEHNERT, H. Infrarot-strahler in der bäuerlichen praxis. Tierzucht 6:388-391. Nov.1952. 49 T443
Effect on livestock.

24675 SEIFERLE, E. Das tier und die angst. Schweiz. Arch. f. Tierheilk. 94:781-793. Ref. Dec.1952. 41.8 Sch9
English summary.

24676 SIMONE, V. DE. Livestock problems on a world scale. (In Italian.) Agricoltura 1(10):40-42. Oct. 1952. 16 Ag8226
Account of the international conference at Copenhagen.

24677 UBALDI, L. Livestock farms of the Appenninæs of Pistoia in the vanguard. (In Italian.) Riv. di Zootec. 25:302. Oct.1952. 49 R52

24678 VEIGA, J. S. Limit of selection for production in the Tropics. (In Portuguese.) Veterinário 2:5-12. June/Aug.1952. 41.8 V6438

24679 WAGNER-ROEMMICH. Schlachthofrationalisierung in einer sackgasse? Lebensmitteltierarzt 3:115-117. (Cont.) Dec.1952. 41.8 L49

24680 WOLF. Waren die jungviehschauen früheren stils der tierzucht förderlich? Allgäuer Bauernbl. 20:617-618. Nov.6,1952. 18 AL53

24681 ZORN, W. Abgeschlossene versuche und wissenschaftliche arbeiten in der Bayerischen Landesanstalt für Tierzucht in Grub. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(9/10):3-16. 1952. 49 B32

24682 ZORN, W. Im jahre 1952 laufende versuche und forschungen in den einzelnen abteilungen der Bayerischen Landesanstalt für Tierzucht in Grub. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(7/8):3-8. 1952. 49 B32

CATTLE

Breeds and Breeding

24683 ACKERMAN, R. A. The W. Va. Ayrshire Breeders' Association. Ayrshire Digest 38:809,845. Dec.15,1952. 43.8 Ay7

24684 AICHER, L. C., and KESSLER, F. B. Beef cattle breeding and feeding investigations for 1950-51. Kans. Agr. Expt. Sta. C. 278,15 p. Dec.1951. 100 K13S

24685 AREY, J. A., and BROWN, J. F. How artificial breeding helps dairy profits. Prog. Farmer, Carolinas-Va. Ed. 67(12):18,126. Dec.1952. 6 P945

24686 ASDELL, S. A. Work on breeding troubles of dairy cattle at Cornell University. Vet. Rec. 64:831-836. Ref. Dec.20,1952. 41.8 V641
Includes discussion.

24687 AYERS, R. H. History of Indiana Ayrshires. Ayrshire Digest 38:844-845. Dec.15,1952. 43.8 Ay7

24688 BANE, A. Report on the II International Congress of Physiology and Pathology of Animal Reproduction and of Artificial Insemination. (In Swedish.) Ladugården 10:305-308. Oct.1952. 44.8 L12
Artificial insemination of cattle.

24689 BARNES, A. F. Connecticut Ayrshires—past and present. Ayrshire Digest 38:810,909. Dec.15,1952. 43.8 Ay7

24690 BEATTIE, H. E. R. The place of artificial insemination in herd improvement in Australia. Austral. Vet. J. 28:255-258. Oct.1952. 41.8 Au72
Dairy cattle.

24691 BEATTIE, W. A. The management of cattle stations. XII. Cattle breeding. Past. Rev. 62:1060-1062. Oct.16,1952. 23 Au75

24692 BEATTY, F. C. Ayrshires of the Walla Walla Valley. Ayrshire Digest 38:766,776. Dec.15,1952. 43.8 Ay7

24693 BERGE, S. Percentage of pregnancy of various breeds of cattle. (In Norwegian.) Ladugården 10:292-297. Oct.1952. 44.8 L12

24694 BHATTACHARYA, P., and others. The possibilities of introducing artificial insemination on a field scale in suitable areas. India. Bd. Agr. & Anim. Husb. Proc. 8:160-174. 1951. 49.9 In22
V. L. Wazir, J. M. Lahiri, J. K. Makhijani, and C. Ram, joint authors.

24695 BISHOP, F. G. Jerseys play ambassador role in West Germany rehabilitation. Jersey B. 71:1779. Dec. 10,1952. 43.8 J48

24696 BOEHR, J. W. Progressive Ayrshire activities in Oklahoma. Ayrshire Digest 38:912-913. Dec.15,1952. 43.8 Ay7

24697 CAMPBELL, J. Charollaise cross-breeding program. Ariz. Cattlelog 8(2):19-21. Oct.1952. 43.8 Ar42

24698 CANADIAN SHORTHORN SOCIETY. The Canadian Shorthorn herd book, v. 61, pt. 1. Guelph,1952. 299 p. 43.9 D71

24699 CHITTENDEN, D. W. A year of Polled Hereford progress through 1952. Amer. Hereford J. 43(17): 52,162P. Jan.1,1953. 43.8 Am32

24700 CLARK, R. T. Beef cattle improvement for Hawaii. Hawaii Farm Sci. [Hawaii Sta.] 1(2):4-5. July 1952. 100 H314
Breeding program.

24701 DUNNETT, A. La raza de ganado Red Poll. Uruguay. Min. de Ganad. y Agr. B. Inform. 434:11. Sept. 25,1952. 9.9 G15B

24702 EASTERBROOKS, H. L. The treatment of certain types of sterility in cattle with the hormone E. C. P.—a progress report. Conn. (Storrs) Agr. Expt. Sta. INF-38,4 p. Feb.1952. 100 C76I

24703 EIBL, K. Die züchterische bedeutung der künstlichen besamung unter besonderer berücksichtigung der verhältnisse in Bayern. Tierärztl. Umschau 7:474-480. Dec.1952. 41.8 T445
Cattle.

24704 ENGELER, W. Le bétail suisse de la race brune. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:1037-1052. Dec.1952. 24 K83

24705 ENO, R. W. The greatest need of the Ayrshire breed? Ayrshire Digest 38:759-760. Dec.15,1952. 43.8 Ay7

24706 ESTRADA PALMA, M. J. El Cebu, productor de carne. Rev. Ganad. [Habana] 13:58-60. Jan.1953. 49 R321

24707 FABBRI, R. Contributions for bull acquisition. (In Italian.) Agr. Ferrarese 56:161-162. July 31,1952. 16 Ag87

24708 FABER, A. Zusammenhang zwischen fruchtbarkeit und milchleistung untersucht an den Schwarzbunten und Rotbunten herdbuchkühen des Niederrheins. Giessen,1952. 35 p. 444 F11
Inaug.- Diss. - Giessen.

24709 FRIESLAND CATTLE BREEDERS' ASSOCIATION OF SOUTH AFRICA. Herd book, v. 14, from 1st January 1948 up to 31st December, 1950. Bloemfontein, 1951? 855 p. 43.9 F912

24710 GERCHIKOV, N. P., and ABRAMOV, V. F. On results of crossing Yaroslavl cattle with East-Friesian on the Krasnyl Oktiabr' Breeding Farm [in Borisogleb District, Yaroslavl Region]. (In Russian.) Sovet. Zootekh. 7(6):26-36. June 1952. 49 So822

24711 GILMORE, L. O. Calves may inherit death. Hoard's Dairyman 97:967,976-977. Dec.10,1952. 44.8 H65

24712 GOATMAN, W. Expansión del Hereford. Rev. Ganad. [Habana] 13:20-21,64. Jan.1953. 49 R321

24713 GOMIEN CACERES, R. La raza bovina normanda. Agrario 17(4):10-12. (Cont.) 1952. 9.3 Ag85

24714 GOODHUE, J. The Brahman cross in cattle breeding. Blood-Horse 64:1323-1324,1326,1328. Dec.20, 1952. 42.8 T392

24715 GÖTZE, R. Erbgesundheit und samenübertragung beim rind. Fortpflanzung u. Besamung der Haustiere 2:81-84. Nov.15,1952. 41.8 F773

24716 GÖTZE, R. Praktische hinweise zur erkennung der erbgesundheit und erbfruchtbarkeit aus dem erscheinungsbild eines zuchtbullen. Tierärztl. Umschau 7:466-474. Dec.1952. 41.8 T445

24717 GRAHAM, J. La vaca Ayrshire. Indus. Lech. 34:528-532. Oct.1952. 44.8 In26

24718 GROOT, B. DE. Effect of glycerol on the preservation of bull sperm at low temperatures (—79° C.) (In Dutch.) Tijdschr. v. Diergeneesk. 77:892-898. Dec.1, 1952. 41.8 T431
English summary.

24719 HAPP, H. Die sonderkörungen für bullen im jahre 1952. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:12-13. Jan.1,1953. 18 L2346

24720 HAUFF, O. Erfahrungsbericht der besamungsstation im rahmen der deckinfektionsbekämpfung. Fortpflanzung u. Besamung der Haustiere 2:76-78. Oct 15,1952. 41.8 F773
Cattle in Germany.

24721 HEIMANN, M. Milk as a diluent for bull semen. (In Hebrew.) Hassadeh 33:38-39. Oct.1952. 26 H27

24722 HIGGINS, L. A. Artificial breeding grows in popularity. Prog. Farmer, Miss.-Ark.-La. Ed. 67(12): 126-127. Dec.1952. 6 So81
Dairy cattle.

24723 HIGHLAND CATTLE SOCIETY OF SCOTLAND. Constitution, rules, and regulations. Rev. 24th February, 1948, reprinted and amended June, 1951. Glasgow,Lawn & Miller,1951. 11 p. 43.9 H532

24724 HOARD'S Dairyman Round Table: How we handle the herd sire. Hoard's Dairyman 98:12-13,37. Jan.10,1953. 44.8 H65

24725 HOFMANN, F., and KLEIBER. Die Thüringer Frankenzucht und ihre wichtigsten männlichen blutlinien. Tierzucht 6:361-369. Nov.1952. 49 T443

24726 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Holstein-Friesian herd-book, v. 124, from November 1, 1951 to February 1, 1952. Brattleboro, Vermont,1952. unpaged. 43.9 H74

24727 HOLT, A. F. Variation in diluter composition and its effect on the fertility of bovine semen. Vet. Rec. 64:818. Dec.13,1952. 41.8 V641

24728 HOROVITZ, S. Esquema genético para la formación de una raza de ganado lechero para el Trópico. Agron. Trop. [Maracay] 2:3-13. Apr./June 1952. 26 Ag87

24729 ILLINGWORTH, F. Buffalo beef. Farmers Wk. [London] 37(24):70-71. Dec.12,1952. 10 F2226
The Cattalo, result of experiments in Canada involving the crossing of North American buffalo and cattle.

24730 JAMAICA. DEPT. OF AGRICULTURE. The Jamaica-Hope; a new breed of dairy cattle. Souvenir programme of the ceremony to mark the foundation of the new breed and its naming. Kingston,1952. 22 p. 43 J22

24731 JAMASPJINA, B. B., PARNERKAR, S. Y. M., and MEHRA, G. K. The place of professional and nomadic cattle breeder in the rural economy of India and the steps that may be taken to make him play a greater part in the improvement of cattle. India. Bd. Agr. & Anim. Husb. Proc. 8:143-148. 1951. 49.9 In22

24732 KAMENICKIJ, L. 103 calves from 100 cows. (In Czech.) Za Socialist. Zeměděl 2:1148-1151. Oct. 1952. 19.5 Z1

24733 KAMINSKII, P. K. Achievements of Gavrilovo-Posadskii State Farm in improving the herd of Kostroma breed [of cattle]. (In Russian.) Sotsialist. Zhivotnovod. 14(7):82-84. July 1952. 49 So71

24734 KHABIBULLIN, KH. KH. Problems of fertilization and offspring vitality in dairy cattle breeding. (In Russian.) Sovet. Zootekh. 7(9):71-83. Sept.1952. 49 So822

24735 KIRSCH, W., KORDTS, E., and SCHOLTYSSEK, S. Untersuchungen über die spermaqualität von bullen als indikator für die beurteilung von fütterungs- und haltungseinflüssen. I. Kieler Milchwirt. Forschber. 4: 485-501. 1952. 44.9 K542
English summary.

24736 KOK, J. C. N. Viability of bull semen in vitro. I. (In Dutch.) Tijdschr. v. Diergeneesk. 77:964-971. Dec.15,1952. 41.8 T431
English summary.

24737 KOLLER, R. Genetische fragen in der künstlichen befruchtung. Tierärztl. Umschau 7:480-484. Dec. 1952. 41.8 T445
Cattle.

24738 KOLLER, R. Künstliche befruchtung in der landwirtschaft der Vereinigten Staaten. Wien,Osterreichisches Produktivitäts-Zentrum,1952. 99 p. (Die Studienreise; Schriftenreihe des Osterreichischen Produktivitäts-Zentrums) 43 K833K

24739 KÖPPE. DLG-ausstellungen und züchterisches leben in der Ostfriesischen rinderzucht. Deut. Landwirt.-Gesell. Mitt. 67:797-798. Oct.30,1952. 18 N39

24740 LETARD, E., and others. Des possibilités d'emploi du sperme de taureau transporté de France pour l'insémination artificielle dans les territoires d'outremer. Rev. d'Élevage et de Méd. Vét. des Pays Trop. (n.s.)5:115-130. 1951/52. 41.8 R3262
P. Szumowski, M. Parez, M. Pagot, Z. Derbal, J. Ballis, and J. Souquet, joint authors.

24741 LINDAHL, P. E., KIHLSTROM, J. E., and STROM, B. On changes in the lipoid surface layer of the ripening bull spermatozoa. Arkiv. f. Zool. (ser.2)3:137. 1952. 410.9 Sv22

24742 LISKUN, E. F. Urgent problems of breeding work in cattle production. (In Russian.) Sovet. Zootekh. 7(8):3-13. Aug.1952. 49 So822

24743 MCCARTHY, D. Here's to Herefords! Amer. Hereford J. 43(17):48,61. Jan.1,1953. 43.8 Am32

24744 MACFARLANE, F. La raza Guernsey. Indus. Lech. 34:470-475. Sept.1952. 44.8 In26

24745 MAHADEVAN, P. A study of the conformation characteristics of Sinhala cattle. Trop. Agr. [Peradeniya] 108:116-119. Apr./June 1952. 26 T751

24746 MARINI, M. The established Maremma breed of cattle in the middle basin of the Tiber River. (In Italian.) Riv. di Zootec. 25:326-328. Nov.1952. 49 R52

24747 MOREJON PUIG, L. F. El ganado Cebú en Cuba. Rev. Ganad. [Habana] 12(12):6,57. Dec.1952. 49 R321

24748 MOREJON PUIG, L. F. Ganado Cebú y sus carnes. Rev. Ganad. [Habana] 13:25. Jan.1953. 49 R321

24749 MOROZOV, V. T. Experiment in increasing milk production of cows of the Red Steppe breed. (In Russian.) Sovet. Zootekh. 7(9):7-13. Sept.1952. 49 So822

24750 MOSMAN, R. T. Ayrshires and their development in Idaho. Ayrshire Digest 38:767,906. Dec.15,1952. 43.8 Ay7

24751 NEGRI, M. Survey of the Casalcermelli breeding center, Brown Alpine breed. (In Italian.) Alessandria. Cam. di Com. Indus. e Agr. Rass. Econ. 6 (9):5-8. Sept.1952. 287 AL24

24752 NELSON, E. W. Herefords all the way. Crown 41(12):9-11,22. Dec.1952. 389.8 C88

24753 NILSSON, H. Sale of living animals has been good; Swedish Lowland cattle during the year 1952. (In Swedish.) Lantmannen 37:8-9. Jan.3,1953. 11 L234

24754 NILSSON, N. E. After the jubilee show at Horsens. (In Swedish.) Jerseybladet 46:105-106. Nov. 1952. 43.8 J485
Jersey cattle in Denmark.

24755 OERTZEN, H. U. VON. Der kreis Steinburg, eine hochburg der rotbuntzucht. Tierzüchter 4:586-588 Dec.5,1952. 49 T445

24756 OLSSON, B. Pregnancy and economy. (In Swedish.) Ladugården 10:291-292. Oct.1952. 44.8 L12
Chiefly on artificial insemination of cattle.

24757 ORCUTT, E. P. Marias Hereford Association indexes bulls. Mont. Stockgrower 24(12):4. Dec.15,1952. 49 M76

24758 PIERONI, O. Work of selection of the Marchigiana cattle breed in the Province of Ancona. (In Italian.) Cam. di Com. Indus. e Agr. di Ancona. B. Econ. 6(9):1-6. Sept.1952. 280.9 An2

24759 POHL, A. Spezialisierte oder kombinierte zucht? Bauer 5(36):2-3. Oct.18,1952. 19 B32
Cattle breeding in Austria.

24760 POLGE, C., and ROWSON, L. E. A. Results with bull semen stored at—79° C. Vet. Rec. 64:851. Dec. 27,1952. 41.8 V641

24761 PRESTON, D. B. The Black-and-White breeding in the Netherlands from a South-African point of view. Windmill 8:6-7. Nov.1952. 12 W72

24762 PUTMAN, J. Better bulls bring better calves. Prog. Farmer, Tex. Ed. 68:16,80. Jan.1953. 6 T311

24763 RADOJČIN, M. Breeding of productive young of cattle on the Pokrajina farm estate "Kamendin." (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(14): 7-11. Oct.1952. 21.5 V87

24764 RAITHBY, G. E. Dairy herd management. 9. Homework on the herd. Holstein-Friesian J. 15(9):21, 82-83. Dec.1952. 43.8 H743
Genetics.

24765 ROLLO, L. J Breeding dairy cattle for tropical countries. New Zeal. Sci. Rev. 10:15. Jan./Feb. 1952. 475 N48

24766 ROZZI, U. The selection of the bull of Brown Alpine breed. (In Italian.) Avvenire Agr. 60:249-254. Oct.1952. 16 Av9

24767 RUZHEVSKIĬ, A. B. Line breeding and selection in improving Istoben cattle. (In Russian.) Sovet. Zootekh. 7(8):39-46. Aug.1952. 49 So822

24768 SCHMITTER. Vorschläge zur frühzeitigen erbwertbestimmung von zuchtbullen. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(7/8):13-18. 1952. 49 B32

24769 SILVA, E. Improvement of herds. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 5:287-288. Sept.1952. 44.8 B634
Cattle breeding in Brazil.

24770 SJOLLEMA, P. Excentric implantation of the tail of spermatozoa of bulls. (In Dutch.) Tijdschr. v. Diergeneesk. 77:909-911. Dec.1,1952. 41.8 T431
English summary.

24771 SLOVER, S. L. Hat rack of the Plains. Sowest. Crop & Stock 6(11):36-37,66. Nov.1952. 6 So8942
Longhorn cattle.

24772 SRINIVASAN, M. K., KAURA, R. L., and GOPALAKRISHNAN, V. R. The problem of improvement of cattle in hilly tracts. India. Bd. Agr. & Anim. Husb. Proc. 8:149-155. 1951. 49.9 In22

24773 STEEL, H. The Vermont Ayrshire. Ayrshire Digest 38:835. Dec.15,1952. 43.8 Ay7

24774 STEWART, A. The improvement of dairy cattle in Great Britain and Denmark. Ruakura Farmers' Conf. Week. Proc. 1951:59-69. 49.9 R82
Includes discussion.
Especially through artificial insemination.

24775 STEWART, H. A. Breeding productive beef cattle. Breeder-Stockman 14(7):13,73-74. Dec.1952. 49 V81

24776 STEWART, H. A. Improvement through breeding, slow but essential. South. Livestock J. 12(7):10,120. Jan.1953. 43.8 F66A
Beef cattle.

24777 THALMAN, R. R. Hereford improvement shows provide a powerful influence in that direction—and will continue to do so. Amer. Hereford J. 43(17):14-15, 262. Jan.1,1953. 43.8 Am32

24778 TORTORELLI, N. The future of Apulian cattle. (In Italian.) Riv. di Zootec. 25:323-326. Nov.1952. 49 R52
Includes hybrids.

24779 TURK, K. L. Field observations on breeding troubles in dairy cows. Dairymen's League News 37(2): 6,14. Jan.20,1953. 44.8 D1432

24780 TYLER, A., and TANABE, T. Y. Motile life of bovine spermatozoa in glycine and yolk-citrate diluents at high and low temperatures. Soc. Expt. Biol. & Med. Proc. 81:367-371. Ref. Nov.1952. 442.9 So1

24781 VAN HEERDEN, S. Some observations on the application of artificial insemination in commercial dairy herds in the Transvaal. So. African Dairyman 14:155, 157,159,161,163-164. Sept.1952. 44.8 So822

24782 VERESENKO, K. I., and BIRIUKOVA, E. S. Experiment in improving the herd of Ukrainian Grey x Simmental cattle. (In Russian.) Sovet. Zootekh. 7(8):31-38. Aug.1952. 49 So822

24783 VIART, G. La race bovine Flamande. Rev. de l'Élevage 7:625. Nov.1952. 49 B462

24784 WALTON, A. Flow orientation as a possible explanation of 'wave-motion' and 'rheotaxis' of spermatozoa. J. Expt. Biol. 29:520-531. Ref. Dec.1952. 442.8 B77
Bull semen used.

24785 WIETHE-KÖRPRICH, M. Einiges von der farbvererbung beim rind. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(9/10):28-29. 1952. 49 B32

24786 WILEY, T. Opportunities for 4-H Club members with Ayrshires. Ayrshire Digest 38:787,789. Dec.15,1952. 43.8 Ay7

24787 WILLE, R. Warum technische umstellung der behandlung unfruchtbarer rinder? Monatsh. f. Vetmed. 7:424-426. Nov.1,1952. 41.8 M742

24788 WISHART, D. S. The place of artificial insemination in herd improvement in Australia. Austral. Vet. J. 28:259-264. Oct.1952. 41.8 Au72
Includes discussion.

24789 WITT, M. Rentabilitätsfragen der milchviehhaltung durch züchtung. (Extr.) Landwirtbl. Weser-Ems 99:1256-1257. Dec.12,1952. 18 L2345
Effects of breeding on milk production.

24790 ZADORSKIĬ, S. P. Artificial insemination of cows and sheep on the collective farms of Moldavian SSR (In Russian.) Sotsialist. Zhivotnovod. 14(7):45-47. July 1952. 49 So71

Feeds and Feeding

24791 ALFORD, L. W. Feed boats are a-comin'. Farm & Ranch—South Agr. Upper So. Ed. 82(12):17,45. Dec.1952. 6 T31
Alternanthera philoxeroides as feed for cattle.

24792 ALIMENTATION et élevage des jeunes bovins. Rev. de l'Élevage 7(spec.no.):31,33,35,37,39,41,43. 1952. 49 B462

24793 ANDERSON, G. C., and others. Better feeder calves with creep rations. W. Va. Agr. Expt. Sta. B. 357(1):5. Sept.1952. 100 W52
C. J. Cunningham, J. O. Heishman, and E. A. Livesay, joint authors.

24794 ANDRADE, B. M. M. DE. Consideration on dairy cattle nutrition. (In Portuguese.) Gado Holandês 16(189):29-31;(190):34-35. (Concl.) Sept.-Oct.1952. 43.8 G112

24795 ARTHAUD, V. H., and DOWE, T. W. Fattening yearling steers on bromegrass pasture. Corn Belt Livestock Feeder 4(8):12,14. May 1952. 280.38 C81

24796 BAKER, F. S. Fattening cattle in North Florida. Fla. Agr. Expt. Sta. B. 505,24 p. Ref. Oct. 1952. 100 F66S

24797 BAKER, G. N., and BAKER, M. L. The use of various pastures in producing finished yearling steers. Nebr. Agr. Expt. Sta. B. 414,12 p. Oct.1952. 100 N27

24798 BARON, D. More beef from every steer. Farmer's Mag. 49(11):11,58. Nov.1952. 7 C165
Relationship of weight of steers and feed consumed.

24799 BAY, O. Cattle-feeding tests show it pays to keep 'em gaining. Successful Farming 51:36-37,94-96. Jan.1953. 6 Su12

24800 BECKER, R. B. Balanced dairy rations. Fla. Grower 61:5,29. Jan.1953. 80 F6622

24801 BEESON, W. M., and others. The Purdue tests—supplementing hay and "grass silage" for growing steers. Livestock Wk. 6(52):18-19. Oct.30,1952. 49 L753
T. W. Perry, C. H. Nickel, and D. Webb, joint authors.

24802 BERGER, J. Füttere nach leistung. Bauer 5(38):10-11. Nov.1,1952. 19 B32
Dairy cattle in Austria.

24803 BERNUTH, VON. Herbstfutter nicht verschwenden! Unser Milchvieh 4(11):1. Nov.1952. 43.8 Un7

24804 BIELEFELDT-LECK, F. Der futterplan. Kontrollangestellte, p.2. In Unser Milchvieh. 4(10). Oct. 1952. 43.8 Un7

24805 BLOSSER, T. H. Heavy silage feeding. West. Dairy J. 9:9-11. Nov.1,1952. 44.8 W524

24806 BROMFIELD, L. Carry your pasture to the cows. Country Gent. 122(12):28-29,50-51. Dec.1952. 6 C833
Grass silage and chopped forage.

24807 BROWN, D. C., and others. Alfalfa pellets—roughage or concentrate? Wyo. Agr. Expt. Sta. B. 321, 8 p. Oct.1952. 100 W99
H. S. Willard, J. W. Hamilton, and J. Read, joint authors.
Dairy cattle feed and the effect on milk yield.

24808 CABRERA, J. I. Minimum nutritive requirements of dairy cattle under tropical conditions. P. R. U. J. Agr. 36:102-107. Apr.1952. 8 P832J

24809 CHIEFFI, A. Formulas of rations for dairy cattle. (In Portuguese.) Gado Holandês 16(189):34,63. Sept.1952. 43.8 G112

24810 CLELAND, S. B., and MORRIS, W. E. Pasture feeding of beef cattle. Minn. U. Agr. Ext. Folder 169, 12 p. Aug.1952. 275.29 M66Ex

24811 COMBERG, G. Feeding cows tobacco seed cake. (In Czech.) Za Socialist. Zeměděl. 2:1199-1203. Oct.1952. 19.5 Z1

24812 CORRIE F. E. Mineral deficiencies in dairy cows. Home Farmer 19(10):21-22. Oct.1952. 280.344 H75

24813 DEE, W. E. Grains retard bloat. Amer. Tung News 3(11):5. Dec.1952. 307.8 Am33
In cattle.

24814 DIJKSTRA, N. D. La influencia de las grasas en la ración de las vacas lecheras. Agrario 17 (3):8-10. 1952. 9.3 Ag85

24815 ELAM, F. L. 4 points to profit. West. Livestock J. 30(64):49,77-78,80,83-84. Nov.15,1952. 6 F2278
Feeding program on a cattle ranch in California.

24816 L'ENGRAISSEMENT des boeufs. Rev. de l'Élevage 7(spec.no.):72-77. 1952. 49 B462

24817 ERIKSSON, S. Winter feeding of milk cows. (In Swedish.) Lantmannen 36:1047-1048. Dec.20,1952. 11 L234

24818 FARWELL, E. D. Alimentacion del ganado lechero. Acta Agron. [Palmira] 2:194-198. Oct.1952. 9.4 Ac8

24819 GARDI, A. Economical feeding of cattle during the winter. (In Italian.) Allevatore 8(50):3. Dec.14,1952. 49 AL55

24820 GORDON, G. E. Feeding dairy cows for profit. Calif. Dairyman 32(23):24-25. Dec.13,1952. 44.8 C12

24821 GRAF, G. C., and HOLDAWAY, C. W. A study of the effects on milk production of zeolite process softened water when consumed by lactating cows. (Abs.) Va. J. Sci. (n.s.)3:278. Sept.1952. 470 V81

24822 GRIFFING, J. B. Four obstacles to milk production in Brazil. (In Portuguese.) Gado Holandês 16(190):16-18. Oct.1952. 43.8 G112
Chiefly feeding and breeding.

24823 HANCOCK, J., and MCARTHUR, A. T. G. Tips on cow management arising from grazing behaviour studies. Ruakura Farmers' Conf. Week. Proc. 1951:32-38. 49.9 R82
Includes discussion.

24824 HAPP, H. Die mineralstoffversorgung unserer milchkühe. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2036. Dec.11,1952. 18 L2346

24825 HENDERSON, H. O. Be careful when you feed your cows thyroprotein. W. Va. Agr. Expt. Sta. B. 357(1): 6. Sept.1952. 100 W52

24826 HERMAN, H. A. Fitting concentrate feeding to the quality of roughage. Calif. Dairyman 32(25):9-12. Jan.10,1953. 44.8 C12

24827 HERZIG, J. Fattening up of young cattle. (In Czech.) Za Socialist. Zeměděl. 2:1158-1168. Oct. 1952. 19.5 Z1

24828 HOARD'S Dairyman round table:"how we plan our feed supply." Hoard's Dairyman 97:970-971. Dec. 10,1952. 44.8 H65

24829 HODGSON, R. E. The cow, grass, and milk. U. S. Bur. Dairy Indus. BDI-Inf-143,15 p. Nov.1952. 1.973 D4B34

24830 HOLMES, W. Milk from grass. Guernsey Breeders' J. [London] (n.s.)6(4):20-23. Winter 1952. 43.8 G932

24831 JARL, F. Supplementary feed to cows on pastures does not pay. (In Swedish.) Lantmannen 35:926. Dec.15,1951. 11 L234

24832 JARL, F. Use of forage in dairy production. Internatl. Grassland Conf. Abs. Papers 6(I):16-17. 1952. (Doc.5) 60.19 In86

24833 KEHAR, N. D., and others. Ways and means of supplementing the present inadequate supply of concentrates and augmenting the output of fodder for the feeding of cattle, particularly milch animals. India. Bd. Agr. & Anim. Husb. Proc. 8:190-202. 1951. 49.9 In22
J. Prasad, G. S. Godbole, K. C. Sen, S. C. Ray, and N. B. Das, joint authors.

24834 KNIGA, M. I. Improving the quality of milk by feeding sugary feeds to lactating cows. (In Russian.) Sovet. Zootekh. 7(9):23-31. Sept. 1952. 49 So822
Sugar beets chiefly.

24835 KOOIMAN, P. Some tests with magnesium preparations (bitter salt, kieserite, dolokal supra and magnesium oxide) as supplementary feed for cattle. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:429-431. Nov.1952. 12 N383M

24836 KOTOV, P. F., and KUZ'MINA, S. S. Camp maintenance of cattle in a system of continuous green feed supply in Kamennaia Steppe. (In Russian.) Sovet. Zootekh. 7(6):53-59. June 1952. 49 So822

24837 KRÜGER, L. Neue versuche zur frage der vollmilcharmen aufzucht von zucht- und mastkälbern. Futter u. Fütterung 23:170-172. Oct.1952. 389.78 F98

24838 KÜHLE. Vermeidet fehler bei der rübenblattfütterung. Unser Milchvieh. 4(10):1. Oct.1952. 43.8 Un7
Of dairy cattle.

24839 LANG, R., and others. Influence of grazing rates on cattle and on the range. Wyo. Range Mangt. 42, 4 p. Dec.1951. 60.19 W99
D. Brown, A. A. Beetle, N. W. Hilston, C. P. Stroble, and W. N. Jackson, joint authors.

24840 LEBEDEV, I. Feeding calves with high quality silage. (In Russian.) Kolkhoz. Proizvodstvo 12(7):30-32. July 1952. 281.8 K83

24841 LETZ, R. B. Feeding cattle in Texas; cattle finished for market on home grown feeds. Cattleman 39(8):23-26,36,38. Jan.1953. 49 C29

24842 LOGAN, V. S. Antibiotics in the feeding of dairy calves. Agr. Inst. Rev. 7(6):11-13,55-56. Nov. 1952. 7 Ag8

24843 LOOSLI, J. K., VISEK, W. J., and TURK, K. L Studies on the value of a fat supplement for milk production. N. Y. Agr. Col. Ext. Cornell Feed Serv. 37:2-5. Nov.1952. 275.29 N48Cf

24844 MCARTHUR, A. T. G. They're out on grass from the day they're born. Dairy Farmer [Ipswich] 26: 23. Jan.1953. 44.8 D1414
Calves.

24845 MCCONE, W. C. Ear corn and alfalfa silage for fattening cattle. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:1-2,20. Fall 1952. 100 So82S

24846 MCCULLOUGH, M. E., SELL, O. E., and SHANDS, J. H. Forage intake and grazing performance by dairy cows. J. Range Mangt. 6:25-29. Jan.1953. 60.18 J82

24847 MCDONALD, M. Dry lot feeding! Future Farmer 25(4):13-16. Nov.1952. 4 F983

24848 MCELROY, L. W. Cattle finishing in Alberta. Alberta U. Facul. Agr. B. 57,44 p. Jan.1952. 101 AL1B
Supersedes Bulletins 34 and 49.

24849 MACEWAN, G. Feeding cattle for the spring markets. Canad. Cattlemen 15(12):34-35. Dec.1952. 49 C16

24850 MCMEEKAN, C. P. Is a cow made or marred as a calf? Ruakura Farmers' Conf. Week. Proc. 1951:22-31. 49.9 R82
Includes discussion.
Chiefly through feeding.

24851 MAJOR, R. L. Does the cow know best? Guernsey Breeders' J. [London] (n.s.)6(4):44-46. Winter 1952. 43.8 G932
Dairy cattle feeding.

24852 MARION, P. T., FISHER, C. E., and JONES, J. H. Cattle feeding studies at the Spur Station, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1499,4 p. Sept.30,1952. 100 T31P

24853 MARLOWE, T. J., and BARRENTINE, B. F. New supplement compared with meal in study. Miss. Farm Res. [Miss. Sta.] 15(11):1,8. Nov.1952. 100 M69Mi
Supplement A, tested in cattle feeding program.

24854 MATSUSHIMA, J. Antibiotics for young calves. Corn Belt Livestock Feeder 4(8):9. May 1952. 280.38 C81

24855 MAYO, H., and ANDERSON, W. T. The Purdue tests; using pasture for growing and fattening steers. Livestock Wk. 6(52):74-75. Oct.30,1952. 49 L753

24856 MERRIMAN, G. M. No water. Vet. Med. 48: 41-42. Jan.1953. 41.8 M69
Dehydration of a cow.

24857 MIDTBØ, T. Addition of thyroxine to feed for dairy cattle. (In Norwegian.) Meieriposten 41:886-889. Nov.29,1952. 44.8 M47

24858 MILES, J. T., and LUSK, J. W. Value of silage for dairy cows shown by test. Miss. Farm Res. [Miss. Sta.] 15(10):1,4. Oct.1952. 100 M69Mi

24859 MILLER, W. W. Facing winter feeding problems. Okla. Agr. Col. Ext. C. 577,8 p. n.d. 275.29 Ok41C
Cattle feeding.

24860 MOORE, H. I. Towards greater self-sufficiency. Home Farmer 19(10):24,26. Oct.1952. 280.344 H75
Dairy cattle feeding.

24861 MORRISON, F. B. Some recent developments in livestock feeding. Guernsey Breeders' J. [Peterborough] 88:150-151. Jan.15,1953. 43.8 G93

24862 MOSTERT, J. W. C. Africander cattle on mixed red grass [Eragrostis]. Farming So. Africa 27: 497-501. Nov.1952. 24 So842

24863 MOTT, G. O., and others. Grazing trials with beef cattle at Miller-Purdue Memorial Farm. Ind. Agr. Expt. Sta. B. 581,16 p. July 1952. 100 In2P
R. E. Smith, W. M. McVey, and W. M. Beeson, joint authors.

24864 NEWELL, P. F. Grain for extra profits. Livestock Wk. 6(53):13,33. Nov.27,1952. 49 L753
Feeding beef cattle and calves.

24865 NICHOLS, J. E. The use of forage in beef production. Internatl. Grassland Conf. Abs. Papers 6(I):21. 1952. (Doc.5) 60.19 In86

24866 NOORLANDER, D. "Production feeding" for more profit. Calif. Dairyman 32(23):5,20-21. Dec.13, 1952. 44.8 C12

24867 PAWSON, H. C., and BLACKETT, G. A. Wintering store cattle; Cockle Park trial, 1951-52. Gt. Brit. Min. Agr. Agriculture 59:428-435. Dec.1952. 10 G79J

24868 PERCIVAL, J. C. Early weaning of calves. Ruakura Farmers' Conf. Week. Proc. 1951:104-111. 49.9 R82
Includes discussion.

24869 REAVES, P. M., REED, J. R., and NEWBILL, D. C. The effect of feeding irradiated yeast on the blood calcium level of dairy cows. (Abs.) Va. J. Sci. (n.s.)3: 278. Sept.1952. 470 V81

24870 RIVERA BRENES, L. Forage consumption as soilage by Holstein, native and Holstein-native crossbred cows. P. R. U. J. Agr. 35:91-97. July 1951,pub.Apr.1952. 8 P832J

24871 RIVERA BRENES, L., MARCHÁN, F. J., and CABRERA, J. I. The utilization of grasses, legumes, and other forage crops for cattle feeding in Puerto Rico. III. Comparison of fertilized guinea grass, Para grass, tropical kudzu and guinea grass, and tropical kudzu. P. R. U. J. Agr. 36:108-114. Apr.1952. 8 P832J

24872 RUPP, G. Winterfutterplan im rinderstall. Kärntner Bauer 102:554-557. Oct.15,1952. 19 K14

24873 SANDAL, P. C., and STATEN, R. D. Good gains from permanent pastures. Tex. Livestock J. 11(11): 6. Nov.15,1952. 49 T29
Beef raising.

24874 SHAHAN, J. T. Let's look inside the cow. Cattleman 39(8):16-17. Jan.1953. 49 C29
Nutrition.

24875 SLADE, R. E. Dried grass and grazing for the dairy herd. Guernsey Breeders' J. [London] (n.s.)6(4):30-32. Winter 1952. 43.8 G932

24876 SLAGLE, A. B. Seasonal steer grazing pattern at Bushland. Sowest. Crop & Stock 6(11):12-13. Nov. 1952. 6 So8942

24877 SMITH, L. F., and BLOUNT, C. L. Experiment Station study shows value of woodland grass in South Mississippi. Miss. Farm Res. [Miss. Sta.] 15(11):1,6. Nov.1952. 100 M69Mi
Areas of longleaf pine land used for growing both timber and cattle.

24878 STINNETT, L. H. Facing winter feeding problems. Okla. Agr. Col. Ext. C. 578,7 p. n.d. 275.29 Ok41C
Dairy cattle.

24879 SUAREZ NELSON, M. La alimentación del ternero sin su madre. Rev. Ganad. [Habana] 12(12):13-15. Dec.1952. 49 R321

24880 THOMAS, O. O. Cattle should be provided with a good phosphorus supplement. Mont. Stockgrower 24(12): 16-17. Dec.15,1952. 49 M76

24881 TONINI, G. The best age for fattening Romagna meat calves. (In Italian.) Riv. di Zootec. 25:299-302. Oct.1952. 49 R52

24882 TURK, K. L., and SLACK, S. T. Protein levels in concentrate mixture for dairy cattle. N. Y. Agr. Col. Ext. Cornell Feed Serv. 37:7-8. Nov.1952. 275.29 N48Cf

24883 LA VACHE laitière. Rev. de l'Élevage 7(spec.no.):44-45,47-50,52-53. 1952. 49 B462
Feeding.

24884 VEIGA, J. S. Some problems on grazing cattle in central Brazil. Internatl. Grassland Conf. Abs. Papers 6(L):23. 1952. (Doc.5) 60.19 In86

24885 VERBEEK, W. A. Molasses and the maize shortage. So. African Dairyman 14:186. Oct.1952. 44.8 So822
As dairy cattle feed.

24886 VOGEL, H. Aufzuchtversuch mit vitakalk bei kälbern. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(9/10):20-22. 1952. 49 B32

24887 VOGEL, H., and HAU, H. "Beispielsfutterung" mit milchkühen in bäuerlichen betrieben. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(7/8):10-13. 1952. 49 B32

24888 VOGEL, H. Fütterungsversuche mit topinamburkraut und topinamburknollen bei milchkühen. (Sum.) Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(9/10):16-17. 1952. 49 B32

24889 VOGEL, H. Das "Kodruna-aufzuchtverfahren" zur vollmilcheinsparung. Deut. Landwirt. Press. 75:300. Nov.15,1952. 18 D482
Calf feeding.

24890 WINCHESTER, C. F. Feeding to keep beef calves healthy during the winter. Feed Age 3:20-23,53. Jan.1953. 389.78 F327

24891 YOU CAN take the cow to pasture, but... Farm Mangt. 2:10-15. Nov./Dec.1952. 281.8 F2225
Feeding methods.

24892 ZAYAS, C. La necesidad de producir forraje para nuestro ganado lechero. Rev. Ganad. [Habana] 13: 14-16. Jan.1953. 49 R321

24893 ZUGENBUEHLER, C. A. Cattle feeders glad to see new year start. Amer. Hereford J. 43(17):50,162P. Jan.1,1953. 43.8 Am32

Veterinary Medicine

24894 ALMASY, F. Neuere ergebnisse über den kalzium-phosphorstoffwechsel des rindes. Schweiz. Arch. f. Tierheilk. 94:813-824. Ref. Dec.1952. 41.8 Sch9
English summary.

24895 ALTSHULER, W. Maladie X des bovidés. Rec. de Méd. Vét. 128:359-373. Ref. June 1952. 41.8 R24

24896 ARNON, J. "Blowing" of cattle at pasture. (In Hebrew.) Hassadeh 33:37-38. Oct.1952. 26 H27

24897 BAILEY, J. W. Continuous glucose therapy for cattle. Amer. Vet. Med. Assoc. J. 122:37-38. Jan.1953. 41.8 Am3

24898 BAILEY, J. W. How to prevent and treat calf pneumonia. Successful Farming 51:18,20. Jan.1953. 6 Su12

24899 BALCH, C. C., and others. Factors affecting the utilization of food by dairy cows. 5-6. Brit. J. Nutr. 6:356-375. Ref. 1952. 389.8 B773
D. A. Balch, S. Bartlett, V. W. Johnson, and S. J. Rowland, joint authors.

24900 BAMBAUER, H. Die häufigkeit der verschiedenen tuberkulose-formen bei schlachtrindern im jahre 1949; unter gleichzeitiger berücksichtigung einer möglichen abweichung des infektionsweges und krankheitsverlaufes. (Sum.) Giessen,1951. 28 p. Ref. 41.2 B21
Inaug.-Diss. - Giessen.

24901 BANCHIERE, A. On a case of bovine shock of toxic-allergic origin, with fatal ending. (In Italian.) Croce Azzurra 3(4):17-19. July/Aug.1952. 41.8 C87

24902 BECK, G. Wie steht es mit der tuberkulosebekämpfung? Landwirt. Wchnbl. 142:1401-1402. Dec. 6,1952. 18 L2338
In cattle in Germany.

24903 BERGE, S. Chest measurements, live weight and slaughter weight of Norwegian cattle breeds. (In Norwegian.) Norsk Landbr. 18:449-452. Dec.5,1952. 11 N8122

24904 BIEBERDORF, F. W. Actinomycosis of a bovine testis. Amer. Vet. Med. Assoc. J. 122:49-50. Jan. 1953. 41.8 Am3

24905 BLACKSTEIN, W. Die praktische anwendung der verordnung der länder Niedersachsen und Nordrhein-Westfalen über die bekämpfung der rindertuberkulose während des 1. jahres ihres einsatzes. Giessen,1951. 32 p. Ref. 41.2 B56
Inaug.-Diss. - Giessen.

24906 BLAXTER, K. L., and ROOK, J. A. F. The indirect estimation of the water balance of animals as a basis for the determination of energy exchanges. (Abs.) Brit. J. Nutr. 6(4):viii-viii. 1952. 389.8 B773
Research with calves.

24907 BLAXTER, K. L. Some effects of thyroxine and iodinated casein on dairy cows, and their practical significance. Vitamins & Hormones 10:217-250. Ref. 1952. 386.2 H243

24908 BOERNFORS, S. Foot-and-mouth control in Sweden. Livestock Wk. 6(52):12-13,76. Oct.30,1952. 49 L753
Chiefly in cattle.

24909 BONE, J. F. Hydrocephalus in calves. No. Amer. Vet. 34:25-28. Jan.1953. 41.8 N812

24910 BONFANTE, G., and ROSSI, C. On the activity of a new antiseptic—5, 7-dichloro-8-oxy-quinaldine— in calf scours. (In Italian.) Arch. Vet. Ital. 3:433-440. Ref. Oct.31,1952. 41.8 Ar25
English summary.

24911 BRATKE, E. Vorkommen und bedeutung von Corynebacterium renale und pyogenes bei der künstlichen besamung des rindes. Berlin. u. Münch. Tierärztl. Wchnschr. 65:247-250. Ref. Dec.1952. 41.8 B45

24912 BROCK, H., and ROWSON, L. E. The production of viable bovine ova. J. Agr. Sci. 42:479-482. Oct. 1952. 10 J822
Use for transplantation.

24913 BROWN, R., and DRUDGE, J. H. Stomach worm disease of cattle. Ky. Agr. Col. Ext. L. 133,4 p-folder. Sept.1952. 275.29 K415Le
Haemonchus contortus and Ostertagia ostertagi.

24914 CAMOU, GRIMPRET, and VERCELLOTTI. Essais de traitement de la theiériose bovine a Th. dispar par le diéthylamino-4'-méthyl-1-butyl-amino-4-chloro-7-quinoleine. Soc. de Path. Exot. B. 45:604-608. Ref. 1952. 448.9 So13

24915 CAMPBELL, M. H. Milk profits depend upon herd health. Ayrshire Digest 38:765,868-870. Dec.15, 1952. 43.8 Ay7

24916 CAMPOS ONETTI, R., and OCAMPO OTERO, N. El tratamiento de la mastitis aguda en la vaca con el complejo efedrina-nitrofurazona. Lab. Espan. Zeltia. Secc. Vet. 1:2-4. In Zootechnia 1(4). July/Aug.1952. 41.8 Z73

24917 CHANDA, R., MCNAUGHT, M. L., and OWEN, E. C. The effect of thiouracil and thyroxine on the composition of milk. (Abs.) Brit. J. Nutr. 6(4):x. 1952. 389.8 B773

24918 CLARK, F. A. Leptospirosis in cattle in Alabama. Auburn Vet. 9:22-24. Fall 1952. 41.8 Au1

24919 CLASSEN, H. Ein beitrag zur feststellung von beständen, die mit Bang'scher krankheit verseucht sind, durch anwendung der Fleischhauer'schen probe bei der anlieferungsmilch eines molkereibezirkes. Giessen,1951. 23 p. 41.2 C56
Inaug.-Diss. - Giessen.

24920 CUVIER, G., DUTEIL, G., and BRASSIER, M. E. Documentation sur la tuberculose bovine pour servir à l'étude épidémiologique de ses conséquences humaines. Path. Gen. 52:513-518. Oct.1952. 448.8 R326
In France.

24921 DAVIS, R. B. The use of rumen contents data in a study of deer-cattle competition and "animal equivalence." No. Amer. Wildlife Conf. Trans. 17:448-458. 1952. 412.9 N814

24922 DE ROBERTIS, E., and EPSTEIN, B. Estudio con el microscopio electrónico de la anaplasmosis en los glóbulos rojos del bovino. Uruguay. Dir. de Ganad. B. Mens. 33:73-79. Apr./June 1952. 41.9 Ur8
English summary.

24923 DINSLAGE, G. Untersuchungen über eine trockenmilch- und trockenmilchserumreaktion zur diagnose der brucellose. Giessen,1951. 19 p. 41.2 D612
Inaug.-Diss. - Giessen.

24924 DITGENS, K. Die mucoagglutination in der diagnostik der trichomoniasis der rinder. Giessen,1951. 70 p. Ref. 436 D63
Inaug.-Diss. - Giessen.

24925 DURIE, P. H., and RIEK, R. F. The role of the dingo and wallaby in the infestation of cattle with hydatids (Echinococcus granulosus (Batsch, 1786) Rudolphi, 1805) in Queensland. Austral. Vet. J. 28:249-254. Ref. Oct.1952. 41.8 Au72

24926 DUTTO, L. Primeras observaciones sobre calcio y vitaminoterapia en la profilaxis de la tuberculosis bovina. Uruguay. Min. de Ganad. y Agr. B. Inform. 436:11-12. Oct.9,1952. 9.9 G15B

24927 ERDHEIM, E. Leptospirosis in cattle: some selected herd histories. No. Amer. Vet. 34:22-24. Jan. 1953. 41.8 N812

24928 ESPE, D. L., and SMITH, V. R. Secretion of milk. Ed. 4. Ames,Iowa State Col. Press,1952. 291 p. Ref. 44 Es6

24929 FETHERS, G. Pleuro plagues us again. Past. Rev. 62:1187-1188. Nov.15,1952. 23 Au75
Pleuropneumonia in cattle.

24930 FLORENT, A. Isolement de Borrelomycétacées à partir du sac préputial de taureaux. Soc. de Biol. Compt. Rend. 146:1303-1304. Aug.1952. 442.9 P21

24931 GALLINA, L. More on persistent corpus luteum in the cow. (In Italian.) Croce Azzurra 3(4):20-23. July/Aug.1952. 41.8 C87

24932 GALLINA, L. Persistent corpus luteum in the cow. (In Italian.) Croce Azzurra 3(3):28-32. (Concl.) May/June 1952. 41.8 C87

24933 GHALIGI, S. B. Acetonemia or ketosis in bovines. Indian Vet. J. 29:130-132. Sept.1952. 41.8 In2

24934 GIACINTO, I. DI. Vaccination against bovine tuberculosis. (In Italian.) Croce Azzurra 3(3):3-11. May/June 1952. 41.8 C87

24935 GILMORE, L. O., and others. PBI Tests providing means of studying livestock's thyroid status. Ohio Farm & Home Res. 37:93,99. Nov./Dec.1952. 100 Oh3S
J. F. Long, J. W. Hibbs, and F. Ely, joint authors. Test applied to cattle.

24936 GODGLÜCK, G., and HOFFERBER, O. Eine abortus-suis-infektion bei einem bullen. Monatsh. f. Vetmed. 7:443-445. Ref. Nov.15,1952. 41.8 M742

24937 GOERTTLER, V. Noch einmal: reagentenbestände zur bekämpfung der rindertuberkulose. Monatsh. f. Vetmed. 7:423. Nov.1,1952. 41.8 M742

24938 GOLDSMIT, L., and KOMAROV, A. Blue tongue in cattle and sheep in Israel. Israel. Res. Council. B. 2:211. Sept.1952. 330.9 Is72B

24939 GORRERI, L. Manual extraction of foreign bodies from the bovine esophagus. (In Italian.) Croce Azzurra 3(3):22-26. May/June 1952. 41.8 C87
Includes discussion.

24940 GOSS, H. Their coats turned gray. Hoard's Dairyman 98:98. Jan.25,1953. 44.8 H65
Molybdenum toxicity in cattle.

24941 GREGORY, T. S. Intracaudal vaccination with Brucella abortus, strain 19. Austral. Vet. J. 28:265-270. Oct.1952. 41.8 Au72
Includes discussion.

24942 GUARINI, G. On the nature of antibodies from hyperimmune serum of bovine foot-and-mouth disease and on the specificity of their serum protein support. (In Italian.) Clin. Vet. 75:301-307. Oct.1952. 41.8 C61
English summary.

24943 GWATKIN, R. Tongue lesions in cattle apparently caused by Corynebacterium pyogenes. Canad. J. Compar. Med. 16:422-425. Dec.1952. 41.8 C162

24944 HAASE, G. Beitrag zur tilgung der rindertuberkulose unter den wirtschaftsverhältnissen des Kreises Rotenburg/Hann. (Sum.) Giessen,1951. 16 p. Ref. 41.2 H1192
Inaug.-Diss. - Giessen.

24945 HANCOCK, B. B., and EDDS, G. T. Correction of rumen dysfunction by use of dried rumen flora. Fort Dodge Bio-chem. Rev. 23:3-5,20-21. Ref. Fourth Q.1952. 41.8 F772
Cattle.

24946 HANSEL, W., OLAFSON, P., and MCENTEE, K. Research on hyperkeratosis (X-disease) in cattle. N. Y. Agr. Col. Ext. Cornell Feed Serv. 37:1-2. Nov. 1952. 275.29 N48Cf

24947 HECKER. Gewichtsfeststellungen ohne waage. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(7/8): 19-22. 1952. 49 B32

24948 HERWEIJER, C. H. Identical cattle twins. (In Dutch.) Tijdschr. v. Diergeneesk. 77:943-963. Ref. Dec. 15,1952. 41.8 T431
English summary.

24949 HOBIGK, W. Milzbrandfeststellungen gelegentlich der bakt. fleischuntersuchung. Lebensmitteltierarzt 3:94-95. Oct.1952. 41.8 L49

24950 HODGES, H. G., and others. Bovine mastitis. N. Y. State Vet. Col. Rpt. 1952:99-117. 41.9 N482R
S. D. Johnson, D. T. Baker, E. W. Tucker, and M. G. Fincher, joint authors.

24951 HÖFLIGER, H. Drüsenaplasie und -hypoplasie in eutervierteln des rindes—eine erblich bedingte entwicklungsanomalie. Schweiz. Arch. f. Tierheilk. 94:824-833. Ref. Dec.1952. 41.8 Sch9
English summary.

24952 HOFSTRA, S. T. Weidediarrhee bij het rund op laagveengrond in het zuidwesten van Friesland. Scouring disease in dairy cattle on peatland pastures in south-western Friesland. Assen,Van Gorcum,1952. 238 p. Ref. 41.2 H6794
English summary.

24953 HOLE, N. H. The menace of Johne's disease. Guernsey Breeders' J. [London] (n.s.)6(4):38,43,54. Winter 1952. 43.8 G932

24954 HUGHES, D. L. Experiments on methods to control the spread of Streptococcus agalactiae in a dairy herd. Vet. Rec. 65:1-11. Ref. Jan.3,1953. 41.8 V641

24955 HUGO, W. J. Proposed terminology for hair follicles of cattle. Farming So. Africa 27:493-496. Nov. 1952. 24 So842

24956 INGRAM, P. L., JACK, E. J., and SMITH, J. E. An outbreak of Leptospira icterohaemorrhagiae infection in calves. Vet. Rec. 64:865-868. Dec.27,1952. 41.8 V641

24957 JACQUET, J. Le traitement des infections de la mamelle de la vache par les antibiotiques et ses conséquences. Path. Gen. 52:557-574. Ref. Oct.1952. 448.8 R326
English summary.
Includes discussion.

24958 JOHANSSON, I. Effect of heredity on the proportion of the cow udder. (In Swedish.) Skand. Kreatursförsäkringsbol. Manadsbl. 30:134. Nov.1952. 49.9 Sk1

24959 KAUSHAH, N. C., and others. Reasons responsible for high mortality amongst young calves, including buffalo calves, and suggested control measures. India. Bd. Agr. & Anim. Husb. Proc. 8:120-133. 1951. 49.9 In22
H. D. Srivastava, N. S. S. Iyer, and M. Ramakrishnan, joint authors.

24960 KLING, J. E. Uber den nachweis von tuberkulbakterien in der milch mit hilfe der tiefenkultur. Giessen,1951. 32 p. Ref. 448.2 K68
Inaug.-Diss. - Giessen.
Cattle.

24961 KLUSSENDORF, R. C. Bovine practice—diagnosis of leptospirosis. No. Amer. Vet. 34:21. Jan. 1953. 41.8 N812

24962 KRISTL, P. E. Die verbreitung der tuberkulose des rindes in einem umgrenzten gebiete Nordhessens und die möglichkeit ihrer bekämpfung. (Sum.) Giessen,1951. 20 p. Ref. 41.2 K892
Inaug.-Diss. - Giessen.

24963 LANFRANCHI, G. Practical observations on an occurrence of hematic carbuncle. (In Italian.) Clin. Vet. 75:311-313. Oct.1952. 41.8 C61
Bovine anthrax in Italy.

24964 LANG, K. Tuberkulosetilgung und rinderzucht. Berlin. u. Münch. Tierärztl. Wchnschr. 65:250-252. Ref. (Concl.) Dec.1952. 41.8 B45

24965 LA TOUCHE, C. J. Some observations on ringworm in calves due to Trichophyton discoides Sabouraud. Vet. Rec. 64:841-843. Dec.20,1952. 41.8 V641

24966 LAWSON, J. R., and MACKINNON, D. J. Vibrio foetus infection in cattle. Vet. Rec. 64:763-777. Ref. Nov.29,1952. 41.8 V641
Includes discussion.

24967 LUACES AGUERO, J. Enfermedades que determinan pérdida de peso. Rev. Ganad. [Habana] 13:11, 61-62. Jan.1953. 49 R321
Chiefly parasites of cattle.

24968 LUMAINE. La lutte contre la tuberculose bovine doit se généraliser. Sillon Belge 22(536):1,3. Nov.29,1952. 13 Si3

24969 LUMAINE. Quelques boiteries du pied chez la bête bovine. Sillon Belge 22(533):1,3. Nov.8,1952. 13 Si3

24970 MCNUTT, S. H. Encephalitic disease of cattle. Auburn Vet. 9:13-17. Fall 1952. 41.8 Au1

24971 MCQUEEN, D. Coccidiosis in dairy cattle. Victoria. Dept. Agr. J. 50:507-508. Nov.1952. 23 V66J

24972 MADDY, K. T. Cheilopalatoschisis of a Brahman steer. Amer. Vet. Med. Assoc. J. 122:39-40. Jan. 1953. 41.8 Am3

24973 MARATHE, M. R. A safer and more convenient site for intravenous injection in cattle & buffaloes. Indian Vet. J. 29:135-136. Sept.1952. 41.8 In2

24974 MAYHEW, R. L. Studies on bovine gastrointestinal parasites. XIX. Further studies in the use of small amounts of phenothiazine in pure infections of the nodular worm. J. Parasitol. 38:525-531. Dec.1952. 448.8 J824

24975 MERRYMAN, L. M. The brucellosis test and the pure bred dairy business. Md. Farmer 36(11):3-5. Nov.1952. 6 M362

24976 MEYN, A. Die bekämpfung der rindertuberkulose in der Bundesrepublik. Monatsh. f. Prakt. Tierheilk. 4:510-526. Ref. 1952. 41.8 M74

24977 MINAKOV, K. L. Changes in physiological processes of high producing cows. (In Russian.) Sovet. Zootekh. 7(9):84-91. Sept.1952. 49 So822

24978 MONESTIROLI, C. Prevention of mastitis. (In Italian.) Rinascita Agr. 7(16):2. June 15,1952. 281.8 R47
In cattle.

24979 NARAYAN, D. Dehorning of dairy animals. Indian Dairyman 4:55,58. Oct.1952. 44.8 In282

24980 NESTLE, S. Ist es aus mit der fremdkörperoperation beim rind? Tierärztl. Umschau 7:499-500. Dec.1952. 41.8 T445

24981 NIIMI, D. On the classification of bovine tuberculosis due to stage and type. Kagoshima U. Facul. Agr. Mem. 1:47-53. Mar.1952. 107.6 K114

24982 NILSSON, S. Data on the fight against tuberculosis and brucellosis of cattle. (In Swedish.) Skand. Kreatursförsäkringsbol. Manadsbl. 30:115-116,119,131-132. (Cont.) Oct.-Nov.1952. 49.9 Sk1

24983 OLDS, D. Why do cows return to heat after 25 days? Hoard's Dairyman 98:35. Jan.10,1953. 44.8 H65

24984 OLSON, C. Observations on a milk factor in bovine hyperkeratosis. Amer. Vet. Med. Assoc. J. 122: 25-28. Jan.1953. 41.8 Am3

24985 PACKER, R. A. Mastitis control. Iowa Vet. 24:13,26,28,30. Jan./Feb.1953. 41.8 Io9
Cattle.

24986 PAGANI, F. Castration of cows. (In Italian.) Riv. di Med. Vet. e Zootec. 4:157-160. July/Aug.1952. 41.8 R522
English summary.

24987 PARKINSON, J. D. A comparison of the operation of caesarean section in the bovine and ovine species. Vet. Rec. 64:819-823. Dec.13,1952. 41.8 V641

24988 PEDINI, B. Total cardiac block in a heifer. (In Italian.) Croce Azzurra 3(5):8-13. Sept./Oct.1952. 41.8 C87
English summary.

24989 PIANA, G. A pathological cause, of extramammary origin, of anomalies in the composition of milk echinococcosis. (In Italian.) Riv. di Zootec. 25:287-294. Oct.1952. 49 R52

24990 PONS MUZZO, J. Las proteínas del suero en vacas tuberculosas. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:184-189. Dec.1951. 41.9 Un37
English summary.

24991 RAMANUJACHARI, G., and ALWAR, V. S. Thelazia bubalis n.sp. from an Indian buffalo (Bos bubalis). Indian Vet. J. 29:97-100. Sept.1952. 41.8 In2

24992 RECEVEUR. Réflexions sur l'épidémiologie de peste bovine en Afrique Centrale. Off. Internatl. des Epiz. B. 37:536-541. Sept./Oct.1952. 41.8 Of2

24993 REDDING, R. W. Plaster casts for metacarpal fractures in the bovine. Soeast. Vet. 3(4):20-22. Summer 1952. 41.8 Un32

24994 RICHOU, R., and others. Sur les caractères et les propriétés des microcoques pyogènes isolés de la mamelle des bovidés. Rev. d'Immunol. 16:245-256. 1952. 448.8 R323

J. Jacquet, C. Gerbeaux, and P. Julienne, joint authors.

24995 RIVERA ANAYA, J. D. Estudio sobre la mastitis—Hato de la Estación Experimental Agrícola, Rio Piedras, Puerto Rico. P. R. (Rio Piedras). Agr. Expt. Sta. B. 106,26 p. Ref. June 1952. 100 P83

Cattle.

24996 RIVERA ANAYA, J. D., and MARTINEZ DE JESUS, J. An improved technique for the microscopic diagnosis of liver-fluke infection in cattle. P. R. U. J. Agr. 35:98-99. July 1951,pub.Apr.1952. 8 P832J

24997 ROJAS ROJAS, J. Tuberculosis bovina en Chile. Rev. Ganad. [Habana] 13:56-57. Jan.1953. 49 R321

24998 RØMER, O. Significance of group Ca streptococci to infection of the udder in cattle. (In Danish.) Nord. Vetmed. 4:1129-1147. Ref. Dec.1952. 41.8 N813

English summary.

24999 ROSSI, P. Ring-test (R.T.) ou épreuve de l'anneau abortus-Bang ringprobe (A.B.R.) dans la brucellose bovine. Rec. de Méd. Vét. 128:285-296. Ref. May 1952. 41.8 R24

25000 RUBINI DRAGO, G. Glucemia de la vaca normal. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:190-199. Ref. Dec.1951. 41.9 Un37

25001 RUSSELL, M. Eradicating brucellosis. Colo. Rancher & Farmer 6(23):1,14-15. Dec.13,1952. 6 C714

In cattle.

25002 SACCO, P. Contagious mastitis and a simple method for recognizing it. (In Italian.) Terra e Sole 123:375-376. Nov.1952. 16 T273

In cattle.

25003 SACCO, V. Chemical reaction permitting observation on the functional changes in milk secretion, inflammation of the mammary gland, and abnormal milk. (In Italian.) Latte 26:482-483. Oct.1952. 44.8 L35

Thybromol-catalase test.

25004 SCHAAF, A. V. D., and JONG, J. M. DE. Two more cases of listeria encephalitis of cattle. (In Dutch.) Tijdschr. v. Diergeneesk. 77:904-907. Dec.1,1952. 41.8 T431

English summary.

25005 SCHAIK, P. VAN. An abnormality of Dutch Friesian cattle gradually appearing more frequently. (In Dutch.) Tijdschr. v. Diergeneesk. 77:908. Dec.1,1952. 41.8 T431

In the hoof.

25006 SCHALM, O. W. The mastitis problem in Denmark with emphasis on use of the Hotis test for the preliminary screening of milk in the bacteriologic diagnosis of mammary gland infections. Davis,Calif., 1952. 37 p. Ref. (Project Report for TA 36-194) 41 Sch14

25007 SCHIPPER, I. A. What to do about mastitis. Hoard's Dairyman 97:969,985. Dec.10,1952. 44.8 H65

25008 SCHMID, G., SCHMID, H. R., and BIRN, C. Über die differenzierte diagnose der tuberkulose des rindes mit hilfe der hämagglutination nach Middlebrook und Dubos. Schweiz. Arch. f. Tierheilk. 94:794-806. Dec. 1952. 41.8 Sch9

English summary.

25009 SCHULTZ, L. H. Treatment of ketosis in dairy cattle with sodium propionate. N. Y. Agr. Col. Ext. Cornell Feed Serv. 37:5-7. Nov.1952. 275.29 N48Cf

25010 SEIBOLD, H. R. Goiter in a yearling heifer. Auburn Vet. 9:33-34. Fall 1952. 41.8 Au1

25011 SIMON, J., NICHOLS, R. E., and MORSE, E. V. An outbreak of bovine cryptococcosis. Amer. Vet. Med. Assoc. J. 122:31-35. Jan.1953. 41.8 Am3

25012 SOEKARNO, R. The epidemiology of anthrax in the Raba-district. (In Indonesian.) Hemera Zoa 59: 345-366. Ref. Aug.1952. 41.8 V51

English summary.

In buffaloes.

25013 STORKEBAUM, K. Das blutbild klinisch gesunder nichttragender und tragender rinder verschiedener rassen. Giessen,1951. 55 p. Ref. 444 St7

Inaug.-Diss. - Giessen.

25014 STUART, J. Calif. cattlemen urged to check up now on brucellosis vaccination requirements. Calif. Cattleman 1952:15-16. Dec.1952. 43.8 C12

25015 SUTHERLAND, A. K., SIMMONS, G. C., and KENNY, G. C. Leptospirosis in cattle. Queensland Agr. J. 75:225-232. Oct.1952. 23 Q33

25016 SWAN, J. B., and MCINTOSH, I. G. The toxicity of North African phosphate and superphosphate to milking cows. New Zeal. Soc. Anim. Prod. Proc. 12: 83-88. 1952. 49.9 N483

25017 SWANSON, L. E., BATTE, E. G., and DENNIS, W. R. Liver fluke disease and its control. Fla. Agr. Expt. Sta. B. 502,19 p. Sept.1952. 100 F66S

In cattle.

25018 SWANSON, L. E. Lungworm ruins many calf crops. South. Livestock J. 12(7):82,96. Jan.1953. 43.8 F66A

25019 TALSMA, D. Onderzoekingen en beschouwingen over acetonaemia post partum bij de Friese melkkoe. Research and theories on post-parturient acetonaemia in Frisian milch cows. Leeuwarden,Velde,1952. 131 p. 41.2 T14

Proefschrift-Rijksuniversiteit, Utrecht.

25020 TRETSVEN, J. O. Preventing mastitis by good herd management. Mont. State Col. Ext. Folder 21, 6 p. May 1952. 275.29 M76Fol

25021 TYRER, T. G. Bloat investigation under way. New Zeal. Dairy Exporter 28(6):12-16. Dec.1952. 44.8 N484

In cattle.

25022 VIANELLO, G. The stimulation of heat in cattle and horses. (In Italian.) Humus 8(9):33-34. Sept. 1952. 16 H88

25023 WALLENSTEIN, W. L. A new staining method for the rapid and precise identification of Anaplasma in bovine blood. (Abs.) Va. J. Sci. (n.s.)3:291. Sept.1952. 470 V81

25024 WATTS, E. The use of the ring test as an aid to brucellosis control. Wash. State Col. Inst. Dairying. Proc. 21:121-124. 1952. 44.9 W27

25025 WHITE, E. A. Toxic enteritis in newborn calves. M. S. C. Veterinarian 13:39. Fall 1952. 41.8 M582

25026 WILLIAMSON, G. T. Open urachus in a yearling heifer. New Zeal. Vet. J. 1:20-21. Sept.1952. 41.8 N483

25027 WITHERS, F. W. Mortality rates and disease incidence in calves in relation to feeding, management and other environmental factors. IV. Brit. Vet. J. 108: 472-483. Dec.1952. 41.8 V643

25028 WOELFFER, E. A. When tapeworms strike; over one-half of the calf crop died on an Illinois farm after an infested pasture had been grazed three summers. Hoard's Dairyman 98:44. Jan.10,1953. 44.8 H65

25029 WOLFF, J. W., and BOHLANDER, H. Bovinee leptospirosis. Doc. de Med. Geog. et Trop. 4:257-265. Ref. Sept.1952. 448.8 D65

25030 WRIGHT, N. Diseases of cattle: paratuberculosis, pseudotuberculosis. Canad. Cattlemen 15(12):8-9. Dec.1952. 49 C16

25031 WRIGHT, N. Diseases of cattle—rinderpest. Canad. Cattlemen 15(11):22-23. Nov.1952. 49 C16

25032 ZENKE, U. Ergebnisse der tuberkulinisierung im Kreise Osterode/Harz. Hannover,1951. 28 p. Ref. 41.2 Z42

Inaug.-Diss. - Tierärztliche Hochschule, Hannover.

Cattle.

25033 ZINSSER, K. Ein beitrag zur tilgung der rindertuberkulose in Hessen. (Sum.) Giessen,1951. 20 p. 41.2 Z66

Inaug.-Diss. - Giessen.

Miscellaneous

25034 ACKERMAN, R. A. Prepartum milking. W. Va. Agr. Expt. Sta. B. 357(1):6-7. Sept.1952. 100 W52

25035 ALESHKA, D. I., and BORODIN, G. I. Master of high yields of milk. (In Russian.) Sotsialist. Zhivotnovod. 14(9):47-50. Sept.1952. 49 So71

Chiefly on care and feeding of dairy cattle by M. I. Dakhno.

25036 AMSCHLER, L. Und wieder die freiland-haltung. Salsburger Bauer 7(50):5-6. Dec.11,1952. 19 Sa3

Of cattle.

25037 ARGENTINA. MINISTERIO DE AGRICULTURA Y GANADERIA. DIRECCION GENERAL DE PRODUCCION ANIMAL. DIRECCION DE LECHERIA. La explotación de vacas lecheras buenas productoras. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:289-290. 1951/52. 9 Ag874

25038 ARZUMANIAN, E. A. High-producing herd of Nikonovskoe State Farm [in Moscow Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(9):31-34. Sept.1952. 49 So71
Milk production of hybrid cattle.

25039 ARZUMANIAN, E. A. Kholmogorka State Farm [in Volokolamsk District, Moscow Region]. (In Russian.) Sotsialist Zhivotnovod. 14(8):17-21. Aug.1952. 49 So71
Milk production chiefly.

25040 ASHBY, J. W. The early days of milk recording. Guernsey Breeders' J. [London] (n.s.)6(4):48-49. Winter 1952. 43.8 G932
Great Britain.

25041 ASK, E. Thoughts on the control of barn and milk hygiene. (In Norwegian.) Meieriposten 41:852-855. Nov.22,1952. 44.8 M47

25042 BAKER, R. H., and BAILEY, R. A. Plan dairy chores. Ohio. Agr. Expt. Sta. Res. B. 706,38 p. Mar. 1952. 100 Oh3S

25043 BASHKIROV, V. Stable and camp maintenance of [dairy] cattle. (In Russian.) Kolkhoz. Proizvodstvo 12(7):34-36. July 1952. 281.8 K83

25044 BIGNELL, J. T., and MELDRUM, G. K. Beef cattle investigations at Glenora, first interim report. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:326-334. Nov.1952. 23 T182T
Nutrition, rate of gain, and evaluating the carcass.

25045 BOYNTON, H. Judging problems. Ayrshire Digest 38:771,920. Dec.15,1952. 43.8 Ay7

25046 BRADBURY, C. J., EDEY, T. N., and DEAN, I. A. Association herd test; report for year 1951-52. Victoria. Dept. Agr. J. 50:481-486,520-526. Nov.1952. 23 V66J

25047 BRADBURY, C. J., and EDEY, T. N. Standard herd test; report for the year 1951-52. Victoria. Dept. Agr. J. 50:385-393,426-431. Sept.1952. 23 V66J
Dairy cattle.

25048 BRAYER, G. M., and BRAYER, H. O. American cattle trails, 1540-1900. Bayside, N. Y.,Amer. Pioneer Trails Assoc.,1952. 128 p. 43 B737

25049 BROWN, S. Why grading developed; original plan was to set up some sort of yardstick for commercial breeders to evaluate breeding progress. Pacific Stockman 19:34,43-44. Jan.1953. 286.85 W52
Cattle.

25050 CHESTER, R. D. Some problems of beef cattle production. Austral. Vet. J. 28:273-287. Nov.1952. 41.8 Au72

25051 CORNELISON, P. Let's put glamour into our dairy shows. Milking Shorthorn J. 34:96. Jan.1953. 43.8 M59

25052 CRAWFORD, A. Controlling rabbits on Canterbury cattle country. New Zeal. Farmer 73(19):3-4. Nov. 20,1952. 23 N484

25053 CUENCA, C. L. DE. La situation de l'élevage bovin en Espagne. Zootechnia 1(4):7-18. July/Aug.1952. 41.8 Z73

25054 DAVIS, H. P. Dairy calf births and disposals, University of Nebraska herd, 1904-1948. Nebr. Agr. Expt. Sta. B. 411,22 p. Ref. June 1952. 100 N27

25055 DEANS, R. J. An outline of suggestions on slaughter of the Beef Carcass Evaluation Committee. Reciprocal Meat Conf. Proc. 5:97-102. 1952. 50.9 R24
Includes discussion.

25056 D'EMDEN, P. H. Branding. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:370-372. Nov.1952. 23 T182T
Cattle and sheep.

25057 DURING, T. Some results from Danish heifer testing stations. (In Swedish.) Ladugården 10:297-299. Oct.1952. 44.8 L12

25058 ELAM, F. L. Recording your cattle by weight. Breeder's Gaz. 118:14. Jan.1953. 49 B74

25059 EVDOKIMOVA, A. I. Camp maintenance of [dairy] cattle. (In Russian.) Sotsialist. Zhivotnovod. 14(7):50-52. July 1952. 49 So71

25060 FERRARI, E. Production of meat by breeds generally used for milk production. (In Italian.) B. dell'Agr. 86(44):1. Nov.4,1952. 16 B87

25061 FRANKLIN, M. C. Beef production can be increased in Australia. Austral. Vet. J. 28:292-301. Ref. Nov.1952. 41.8 Au72

25062 FURGESON, H. E. Scientific culling, in the face of high price feedstuffs, is a good practice. Mont. Stockgrower 24(11):20. Nov.15,1952. 49 M76

25063 GAZTAMBIDE ARRILLAGA, C. Los records mejoraran su negocio lechero. Rev. del Café 8(3):16. Oct.1952. 8 R3295

25064 GERNER, K. Alter der kühe und ursachen ihres abganges in kleinbauernbetrieben des landkreises Karlsruhe. Tierzüchter 4:589-591. Dec.5,1952. 49 T445

25065 GILL, S. K. S. Steps necessary to ensure a regular supply of milch animals of breeds of all Indian importance, including those which are now no longer available as a result of partition of the country. India. Bd. Agr. & Anim. Husb. Proc. 8:212-215. 1951. 49.9 In22
Indian Council of Agricultural Research cooperating.

25066 GIULIANI, R. Danish livestock industry. (In Italian.) Riv. di Zootec. 25:281-286. Oct.1952. 49 R52
Chiefly dairy cattle.

25067 GLEESON, D. Milk production. Beet Grower 6:167-169. Oct.1952. 66.8 B392

25068 GOODYEAR, F. Holland—home of good cattle and good dairymen. Pa. Holstein 11(11):6-7,14,43,46. (Cont.) Jan.1953. 43.8 P38

25069 GUERIN, B. DE. Ox traction in the Channel Islands. Power Farmer 10:7. Jan.1953. 58.8 P872

25070 HANNESTAD, K. R. K. Progress of barn and milk sanitation. (In Norwegian.) Meieriposten 41:809-814. Nov.8,1952. 44.8 M47

25071 HARGREAVES, J., and ILLINGWORTH, J. Beef from the dairy herds. Farmers Wk. [London] 37(23): 70-71. Dec.5,1952. 10 F2226

25072 HASKELL, W. H. Sanitation on the dairy farm; preparation of udders for milking. Brown Swiss B. 31(6): 27. Dec.1952. 43.8 B81

25073 HENDRIE, D. S. Dairy farming in Britain. Ruakura Farmers' Conf. Week. Proc. 1951:49-58. 49.9 R82
Includes discussion.

25074 HERTRICH. Fettgehaltsschwankungen beim maschinenmelken; beitrag zu dem artikel von Dr. E. Hecker in nr. 9 dieser zeitung. Melkmaschinendienst, p.1-2. In Unser Milchvieh. 4(10). Oct.1952. 43.8 Un7

25075 HILL, O. J. The latest in dairy science. Washcoegg 30(5):22,28. (Cont.) Oct.1952. 47.8 W27

25076 HOLBROOK, N. K. Here is a community milking setup. Hoard's Dairyman 98:67. Jan.25,1953. 44.8 H65

25077 HUNTZINGER, W. Will your heifers be profitable milk producers? Purdue Agr. 44:6-7. Oct.1952. 6 P97
Prejudging a calf with tests on udder palpation.

25078 IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Annual summary, Iowa Dairy Herd Improvement Associations, 1950/51. Ames,1951. 38 p. 275.29 Io9I

25079 JOHANSSON, I. Fat content increase during milking and its dependence on the degree of milk extraction. (In Swedish.) Ladugården 11:324-328. Nov. 1952. 44.8 L12

25080 JOINER, J. N. Mammoth beef project starts at Univ. of Florida. South. Livestock J. 12(5):48-49. Nov.1952. 43.8 F66A

25081 KARTHA, K. P. R., and WARNER, J. N. Scope and extent to which the foreign pure breeds and their crosses could be utilised to augment the milk supply of certain tracts of the country where the indigenous pure breeds or their grades cannot thrive as economical milk producers or animals for draught purpose due to climatic and other topographical reasons. India. Bd. Agr. & Anim. Husb. Proc. 8:203-211. 1951. 49.9 In22

25082 KASHINTSEV, S. N. Fat content of milk of cows at various levels of their milk production. (In Russian.) Sovet. Zootekh. 7(8):14-30. Aug.1952. 49 So822

25083 KASHKINA, A. A., and GUROCHKIN, D. T. 6092 kilograms of milk per cow in a year. (In Russian.) Sotsialist. Zhivotnovod. 14(8):38-42. Aug.1952. 49 So71

25084 KING, J. O. L. Prepartum milking. Canad. Jersey Breeder 7(10):22,30-31. Oct.1952. 43.8 C165

25085 KUUSKLA, E. Increasing milk production of cows on Zhdanov Collective Farm [in Kosesk District, Estonian SSR]. (In Russian.) Sotsialist. Zhivotnovod. 14 (8):7-10. Aug.1952. 49 So71

25086 LASKAUN, M. I., and others. Our method of milking cows. (In Russian.) Sotsialist. Zhivotnovod. 14(7):27-31. July 1952. 49 So71
E. P. Mel'nik, O. G. Olelnik, I. A. Greku, M. G. Koshulets, A. M. Klimov, and V. S. Poberezhnfuk, joint authors.

25087 LAZZERINI, O. Comparative evaluation of productivity of dairy cattle. (In Italian.) Terra [Frienze] 63(44):5. Nov.2,1952. 16 T274

25088 LEBROCQ, E. Cattle shows in Jersey; how when, and why they are held. Jersey B. 72:16,57-60. Jan.10,1953. 43.8 J48

25089 LECAROS, A. Milk potentialities of the caraballa. Agr. & Indus. Life 14(10):19,49. Oct.1952. 25 Ag8
In the Philippines.

25090 LEDERLE LABORATORIES. Cattle husbandry. New York,1952. 96 p. Ref. 43 L495
Dairy cattle.

25091 LOHR, L. Betriebswirtschaftliche gedanken zur kälberaufzucht. Prakt. Landwirt. 6:139-140. Nov. 1952. 19 P88
Austria.

25092 MANN, D. H. Electronic cow testing. Idaho Farmer 71:4,16-17. Jan.1,1953. 6 G282
Use of I. B. M. machines in keeping records.

25093 MARITIME STOCK BREEDERS ASSOCIATION. BEEF CATTLE COMMITTEE. Beef raising in the Maritimes. Ottawa,Dept. Agr.,1951? 33 p. 43 M332

25094 MAZZINI, C. The cowherd. (In Italian.) Agr. Ferrarese 56:53-56. Mar.31,1952. 16 Ag87
Cattle care.

25095 MISNER, E. G. Dairy Herd Improvement Association tests compared with plant tests. Holstein-Friesian Assoc. Amer. Milk Mktg. News Let. 3(4),4 p. Apr.1952. 44.9 H74

25096 MORRISON, S. R. Planning and operating the small herd. III. Amer. Hereford J. 43(17):74,76,78. Jan. 1,1953. 43.8 Am32

25097 MORROW, K. S. Twenty years with a pen stable. Ayrshire Digest 38:762-763,876. Dec.15,1952. 43.8 Ay7
Loose housing of dairy cattle.

25098 NAGORSKAIA, E. D. Increasing the productivity of [dairy] cattle on Zarech'e State Farm [in Smolevich District, Minsk Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(8):22-25. Aug.1952. 49 So71

25099 NELSON, A. B. The cow herd: how it is wintered an important element in its owner's success. Amer. Hereford J. 43(17):70,72,78. Jan.1,1953. 43.8 Am32

25100 NEWELL, P. F. Cattle management jobs. Livestock Wk. 6(52):14-15,59,66,68. (Cont.) Oct.30,1952. 49 L753

25101 NIBLER, C. W. Dairy herd management. Nebr. Agr. Col. Expt. E. C. 631,48 p. Apr.1952. 275.29 N272Ex

25102 NISBET, J. C. They earn to learn; children at the School of the Ozarks have a marvelous opportunity to learn dairying with a great Jersey herd. Hoard's Dairyman 97:1001,1019. Dec.25,1952. 44.8 H65

25103 ODLUM, G. M. Importance of breeding records. Ulster Farmer 52(4):37-38. Apr.1952. 10 UL7
Dairy cattle.

25104 PETROV, N. I., and SLUTSKER, M. N. Raising calves on the best farms. (In Russian.) Sotsialist. Zhivotnovod. 14(9):35-44. Sept.1952. 49 So71

25105 POZO PELAYO, C. DEL. Teoría y práctica del ordeño. Rev. Ganad. [Habana] 12(12):19-22. Dec.1952. 49 R321

25106 PROULX, J. R. Le troupeau laitier en stabulation. Ferme 14(2):12-13,18. Oct.1952. 7 F38
Care and feeding.

25107 PULLAR, E. M. Live stock in Victoria--geographical distribution. Victoria. Dept. Agr. J. 50:441-449. Oct.1952. 23 V66J
1, Dairy cattle, by A. C. T. Hewitt; 2, Beef cattle, by W. A. Beattie.

25108 PULVER, E. Beiträge zur rationalisierung der milchviehhaltung. Grüne 81:33-36. Jan.9,1953. 17 Sch9

25109 RAMIREZ S., C. A. Controles para la explotación lechera; la importancia del control estadistico en el buen exito de la industria. Agr. Austral 20:259-260. July/Aug.1952. 9.3 Ag842
Cattle records in Chile.

25110 RIDDET, W. Production of milk for city supply in New Zealand. Ruakura Farmers' Conf. Week. Proc. 1951:6-21. 49.9 R82
Includes discussion.

25111 ROSE, A. L. Some problems of beef production. Austral. Vet. J. 28:288-291. Nov.1952. 41.8 Au72

25112 RUAKURA FARMERS' CONFERENCE WEEK, HAMILTON, 1951. Proceedings. Wellington,1951. 222 p. 49.9 R82
Dairy and sheep farming.

25113 RYZHOV, N. I. Organizing the milking of cows on Krasnyi Oktiabr' Collective Farm [Saltykov District, Saratov Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(9):26-30. Sept. 1952. 49 So71

25114 SCHLIESSLEDER. Milchleistungsprüfung. Bauer 5(36):15-16. Oct.18,1952. 19 B32
Austria.

25115 SCHOLZ. Das elitebuch der deutschen dauerleistungskuh. Übersicht 3(10):49-52. Oct.1952. 18 Ub3

25116 SEELEMANN, M., and others. Reinigung und desinfektion auf dem hofe, insbesondere bei der milchgewinnung. II. Insbesondere die desinfektion von euter, zitzen und händen beim melken. Kieler Milchwirt. Forschber. 4:455-477. Ref. 1952. 44.9 K542
H. G. Rackow, A. Meyer, and H. Schröder, joint authors. English summary.

25117 SEMENCHENKO, Z. Method of increasing milk production of cows. (In Russian.) Kolkhoz. Proizvodstvo 12(7):32-33. July 1952. 281.8 K83

25118 STRELIUCHENKO, I. F. Controlled raising of cattle with a high content of milk fat. (In Russian.) Sotsialist. Zhivotnovod. 14(7):38-44. July 1952. 49 So71

25119 TIQUET-REMONT, R. La Revue de l'Elevage aux Pays-Bas. Rev. de l'Elevage 7:614-619. Nov.1952. 49 B462
Information on cattle.

25120 U. S. BUR. OF DAIRY INDUSTRY. Report, 1951/52. Washington,1952. 30 p. 1 D14

25121 USHAKOV, V. A. Maintenance of calves in summer camps. (In Russian.) Sotsialist. Zhivotnovod. 14(7):78-80. July 1952. 49 So71

25122 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. 4-H project manual, market beef. Va. Agr. Col. Ext. C. 555,6 p.-folder. July 1952. 275.29 V81C

25123 VOLPINI, A. Meat and milk. (In Italian.) Allevatore 8(50):1. Dec.14,1952. 49 AL55
Cattle production in Italy.

25124 VULCANI, K., and MANES, A. A thousand head of cattle at Beer-Tuvia. (In Hebrew.) Hassadeh 33:39-40. Oct.1952. 26 H27

25125 WEYL. Milchhygiene in gebieten mit milchlieferungen für die USA-armee im lande Niedersachsen. Lebensmitteltierarzt 3:117-120. Dec.1952. 41.8 L49

25126 WHITE, H. F., and LE RICHE, R. P. A method of separating a single milking into successive portions. Conn. (Storrs) Agr. Expt. Sta. INF-37,8 p. Jan.1952. 100 C76I

25127 WYLIE, I. Two roads that lead to beef. Farmer & Stock-Breeder 65:49,51. Dec.9/10,1952. 10 F228
Management systems.

25128 ZAGRISHEV, A. A. Intensive raising and fattening of young [beef] cattle improved by Simmental. (In Russian.) Sovet. Zootekh. 7(9):92-94. Sept.1952. 49 So822

25129 ZAKS, M. G., and others. Temperature effects on the udder as a method of increasing the fat content in milk. (In Russian.) Sovet. Zootekh. 7(9):14-22. Ref. Sept.1952. 49 So822
A. A. Egorova, L. A. Niukanen, and Iu. M. Olenev, joint authors.
Washing with hot water.

DOGS AND CATS

Breeds and Breeding

25130 ALDAO DE SCHWARZ, D. El Dobermann Pinscher. Chacra 23(265):55. Dec.1952. 9 C34

25131 BAUK, G. Einige bemerkungen zum fortpflanzungs- geschehen bei unseren hunden. Pirsch 4: 763-765. Nov.8,1952. 410 P66

25132 BURNS, M. The genetics of the dog. Commonwealth Bur. Anim. Breeding & Genet. Tech. Commun. 9,122 p. Ref. 1952. 49.9 Im7

25133 CAT FANCIERS' ASSOCIATION. Stud book and foundation record, v. XLV and XLVI. n.p.,1952. 176 p. 48.9 C282

25134 DEETHS, A., and WILSON, I. The Chocolate Point is not new. All-Pets Mag., Dec.1952:80,87. 48.8 AL5

25135 DENLINGER, M. G. The complete Siamese cat. Richmond, Va.,Denlinger,1952. 108 p. 48 D41Cs

25136 DIONNE, G. Le Dobermann. Rustica 25: 1086. Nov.16,1952. 14 R92

25137 HARMAN, I. Dachshunds. All-Pets Mag., Dec.1952:71,74. 48.8 AL5

25138 JUDE, A. C. Genetics and color inheritance. All-Pets Mag. 23(11):80,82,90. Nov.1952. 48.8 AL5
In cats.

25139 JUDY, W. L. Principles of dog breeding. Ed. 3. Chicago,Judy,1952. 175 p. 48 J92P

25140 MASTERS OF FOXHOUNDS ASSOCIATION. The Foxhound kennel stud book, v. 37, 1951. London,1951. 196 p. 48.9 F83

25141 MÉGNIN, P. Nos chiens. Ed. 7, rev. and enl. Paris,Baillière,1952. 275 p. 48 M47
Chiefly breeds.

25142 NATIONAL COURSING ASSOCIATION. The Greyhound stud book, v. 44, 1951. Abilene,1952. 928 p. 48.9 N212

25143 NATIONAL COURSING CLUB. The Greyhound stud book, v. LXXI. Newcastle upon Tyne,1952. 479 p. 48.9 L19G

25144 NELSON, V. M. Body type in Siamese. All-Pets Mag., Dec.1952:76-77,82. 48.8 AL5

25145 NELSON, V. M. Head type in Siamese. All-Pets Mag. 23(11):83-85. Nov.1952. 48.8 AL5

25146 ROBINSON, R. Le Berger Belge aux Etats-Unis. Chasse, Chiens et Vénerie (n.s.)13(10):19. Nov. 1952. 48.8 C43

25147 ST. BERNHARDSKLUB. Zuchtbuch, 30, 1949 und 1950. Munchen,1951. 46 p. 48.9 Sa2

25148 SCHWEIZERISCHE KYNOLOGISCHE GESELLSCHAFT. Schweizerisches hunde-stammbuch, v. LI, 1951. Langenthal,1951? 464 p. 48.9 Sch9

25149 SODERBERG, P. M. The Cocker Spaniel. All-Pets Mag. 23(11:70,72; (12):73,75. Nov.-Dec.1952. 48.8 AL5

25150 STEFFENS, H. Ungarische hirtenhunde. Deut. Kleintier-Züchter 7(24):3-4. Dec.20,1952. 49 D483
Komondor and Kuvasz.

25151 WILSON, P. Foxhounds for hunting jackals. Farmer's Wk. [Bloemfontein] 84:43. Oct.22,1952. 24 F225
Breeding for South African conditions.

25152 WIMHURST, C. G. The German Shepherd. All-Pets Mag., Dec.1952:70. 48.8 AL5

Feeds and Feeding

25153 MAINARDI, B. The feeding of the puppy. (In Italian.) Humus 8(9):34-35. Sept.1952. 16 H88

Veterinary Medicine

25154 AMMANN, K. Polamivet ein analgetikum mit narkoseähnlicher wirkung und dessen anwendung beim hund. Schweiz. Arch. f. Tierheilk. 94:806-813. Dec.1952. 41.8 Sch9
English summary.

25155 BAILEY, W. S., and LOWMAN, C. B. Verminous pneumonia. Auburn Vet. 9:36-38. Ref. Fall 1952. 41.8 Au1
Aelurostrongylus abstrusus infection in cats.

25156 BARTON, A. Non-parasitic canine otitis externa, a clinical treatment. J. Small Anim. Med. 1:204-207. Nov.1952. 41.8 J828

25157 BEGGS, W. E. The effectiveness of some chlorophyll derivatives in the control of canine mouth odors (an experimental study). J. Small Anim. Med. 1: 215-219. Nov.1952. 41.8 J828

25158 BRASMER, T. H. Congenital esophageal dilatation. No. Amer. Vet. 34:36-38. Jan.1953. 41.8 N812
In dogs.

25159 BROWN, R. Vesical calculi in a bitch. M. S. C. Veterinarian 13:38. Fall 1952. 41.8 M582

25160 CHRISTOPH, H. J. Vergiftungserscheinungen bei einem hunde nach peroraler rimifonaufnahme. Monatsh. f. Vetmed. 7:427-428. Nov.1,1952. 41.8 M742

25161 CORDY, D. R., and HOOP, J. D. Coccidioidomycosis of the skeleton in a dog. No. Amer. Vet. 34:44-46. Jan.1953. 41.8 N812

25162 COUCH, V. M. Disease of dog's ears. All-Pets Mag., Dec.1952:74. 48.8 AL5

25163 DAM, A. Studies on the bacterial flora in otitis externa in dog. (In Danish.) Nord. Vetmed. 4:1207-1210. Dec.1952. 41.8 N813
English summary.

25164 DODD, D. C. A case of miliary bovine tuberculosis in a dog. New Zeal. Vet. J. 1:17-20. Sept.1952. 41.8 N483

25165 FARRAG, H., and MAHMOUD, A. H. Otorrhea in dogs caused by Pseudomonas aeruginosa. Amer. Vet. Med. Assoc. J. 122:35-36. Jan.1953. 41.8 Am3

25166 FLINT, J. C., and MOSS, L. C. Infectious anemia in cats. Amer. Vet. Med. Assoc. J. 122:45-48. Jan.1953. 41.8 Am3

25167 GILLESPIE, J. H., ROBINSON, J. I., and BAKER, J. A. Dual infection of dogs with distemper virus and virus of infectious canine hepatitis. Soc. Expt. Biol. & Med. Proc. 81:461-463. Nov.1952. 442.9 So1

25168 GOLDSCHMIDT, K. Beiträge zur nemural-behandlung des hundes bei bandwurmbefall sowie bei mischinfektion von band- und spulwürmern. Giessen, 1951. 53 p. Ref. 436 G572
Inaug.-Diss. - Giessen.

25169 GORET, P., and others. Remarques sur le sensibilité du furet au virus de l'hépatite contagieuse du chien. Soc. de Biol. Compt. Rend. 146:1201-1203. Aug. 1952. 442.9 P21
F. Lucam, L. Joubert, C. Flachat, and R. Henry, joint authors.

25170 GREEN, A. F. Themalon: a new canine analgesic and hypnotic. Vet. Rec. 64:803-804. Dec.6,1952. 41.8 V641

25171 HARRISON, B. M. The dissection of the cat (and comparisons with man). A laboratory manual on Felis domestica. Ed. 2. St. Louis,Mosby,1952. 209 p. Ref. 444 H24

25172 HUSNI, M., MAHMOUD, A. H., and SEOUDI, K. A case which could be confused with rabies. Brit. Vet. J. 108:484. Dec.1952. 41.8 V643
Stones in intestine of dog.

25173 KAFKA, H., and RAKOWER C., M. La clorófila en el tratamiento de la otitis externa en el perro. U. Nac. Mayor de San Marcos. Facul. de Med, Vet. Rev. 6:216-219. Dec.1951. 41.9 Un37

25174 LEE, C. C., and ALFREDSON, B. V. The antagonistic action of amphetamine in severe pentobarbital depression in dogs. M. S. C. Veterinarian 13:11-17. Ref. Fall 1952. 41.8 M582

25175 LUMB, W. V. Successful treatment of ascites in a dog. Vet. Med. 48:40. Jan.1953. 41.8 M69

25176 MAGRANE, W. G., SCHLINGMAN, A. S., and MANNING, M. C. The clinical use of chloromycetin in canine ocular infections. No. Amer. Vet. 34:39-43. Jan. 1953. 41.8 N812

25177 MONLUX, W. S., ARMISTEAD, W. W., and BANKS, W. C. Histoplasmosis in a Beagle. No. Amer. Vet. 34:46-47. Jan.1953. 41.8 N812

25178 MORSE, E. V., and others. Canine abortion apparently due to Brucella abortus. Amer. Vet. Med. Assoc. J. 122:18-20. Jan.1953. 41.8 Am3
M. Ristic, L. E. Witt, and L. Wipf, joint authors.

25179 MOUSSU, R., and CRAPLET, C. Elevage et maladies du chien. Ed. 4. Paris,Maison Rustique,1952. 216 p. 48 M86

25180 MOUTTE, P. Suite sur la maladie des chiens ou maladie de Carré. Réveil Agr. 61:345. Nov.15,1952. 14 R322

25181 NIELSEN, I. M. Employment of the bromsulfalein test as a liver functional test in dogs. (In Danish.) Nord. Vetmed. 4:1192-1200. Ref. Dec.1952. 41.8 N813
English summary.

25182 RAKOWER C., M., and CASTILLO GILARDI, A. El antimonio III en el tratamiento de la filariosis en el perro. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:223-226. Dec.1951. 41.9 Un37

25183 RAKOWER C., M., and CASTILLO GILARDI, A. Contribución al estudio del parasitismo intestinal en caninos y su tratamiento. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:220-222. Dec.1951. 41.9 Un37

25184 RAO, S. R., and HIREGAUDAR, L. S. Coccidiosis in cats and dogs in Bombay. Indian Vet. J. 29:109-112. Sept.1952. 41.8 In2

25185 REEVES, P. A. Filariasis (heart worm). (Extr.) Roy Army Vet. Corps. J. 23:132-133. Dec.1952. 41.8 G79
In dogs.

25186 SCHINDLER, R. Serologische untersuchungen über die hepatitis contagiosa canis (Hcc.). Monatsh. f. Prakt. Tierheilk. 4:481-486. Ref. 1952. 41.8 M74

25187 SCHIRMER, R. G. Canine coccidiosis, an increasing problem. M. S. C. Veterinarian 13:40-41. Fall 1952. 41.8 M582

25188 SEIBOLD, H. R. Atrophy of the pancreas. Auburn Vet. 9:34-35. Fall 1952. 41.8 Au1
In a dog.

25189 SINGH, G. B. Perineotomy for the surgical removal of venereal granuloma of bitches. Indian Vet. J. 29:126-129. Sept.1952. 41.8 In2

25190 STUNZI, H. Herzbasisgeschwülste beim hund. Schweiz. Z. f. Allg. Path. u. Bakt. 15:631-637. Ref. 1952. 448.8 Sch9

25191 STUNZI, H. Osteoarthropathy in dogs. A. M. A. Arch. Path. 54:423-429. Ref. Nov.1952. 448.8 Ar26

25192 TATTI, S. Contribution to the casuistics of Sticker's c. d. sarcoma in extragenital location. (In Italian.) Croce Azzurra 3(5):25-31. Ref. Sept./Oct.1952. 41.8 C87
In dogs.

25193 TAYLOR, H. C. Idiopathic canine epilepsy, a clinical treatment. J. Small Anim. Med. 1:202-203. Nov. 1952. 41.8 J828

25194 THOM, K. L. B. L. Vergleichende versuche mit Asol-Höchst, Ascaridol-kapseln, Ascaridol-dragees und dem wurmmittel "S" Höchst bei verschiedenen erkrankungen des hundes insbesondere der ascariasis. Giessen,1951. 56 p. Ref. 436 T36
Inaug.-Diss. - Giessen.

25195 VAUK, G. Die hitze unserer hündinnen. Deut. Kleintier-Züchter. 7(21):2-3. Nov.5,1952. 49 D483

25196 WATERS, M. B. It's getting stifling. Cocker Spaniel Visitor 14(12):6-10. Dec.1952. 48.8 C64
Stifle joint in dogs.

25197 WHITNEY, G. D. The employment of an emergency systemic coagulant in veterinary practice. Amer. Vet. Med. Assoc. J. 122:21-23. Ref. Jan.1953. 41.8 Am3
Koagamin for hemorrhage in dogs.

25198 WORDEN, A. N., WATERHOUSE, C. E., and PARTINGTON, H. The urinary excretion of vitamin B1, riboflavine and nicotinic acid by the dog. Vet. Rec. 64: 836-840. Ref. Dec.20,1952. 41.8 V641

25199 YOUNG, W. A. Feline restraint and medication. 3. J. Small Anim. Med. 1:202-203. Nov.1952. 41.8 J828

25200 ZARTNER, H. Untersuchungen über die anzahl und den verbleib von eiern des spulwurms "Ascaris lumbricoides" in der Münchner kläranlage (versuche mit eiern von hundeascariden). München,1951. 40 p. Ref. 436 Z13
Inaug.-Diss. - Munich.

Miscellaneous

25201 HILBRIG. Solms, so oder so? Pirsch 4:762-763. Nov.8,1952. 410 P66

25202 LILIENTHAL, B. Xmas for show dogs. Amer. Kennel Gaz. 71(12):14-15. Dec.1952. 48.8 Am3

25203 MOUSTAFA, Y. S. A predynastic domesticated dog. Inst. Fouad Ier du Désert. B. 14:102-104. Jan.1952. 515 In7

25204 MURR, L. J. What every breeder-exhibitor should know. Amer. Kennel Gaz. 71(12):23,78. Dec.1952. 48.8 Am3

25205 SODERBERG, P. M. Buying a kitten. All-Pets Mag. 23(11):76,81. Nov.1952. 48.8 AL5

25206 SWEDRUP, I., and LÖFSTEDT, F. Min hund. Vård och uppfostran [My dog. Care and training]. Stockholm,Nordstedt,1952. 197 p. 48 Sw3

25207 YORKE, K. Judging cats. All-Pets Mag. 23(11):86-90. Nov.1952. 48.8 AL5

FUR ANIMALS - PEN RAISED

Breeds and Breeding

25208 AVERY, B. The story of a new mutation mink-Moonridge Blue (Blue Iris). Natl. Fur News 24(11):16. Dec.1952. 412.628 R59

25209 GIESEN, W. Herdbuchzucht und körung. Deut. Pelztierzüchter 26:202-203. Nov.25,1952. 412.628 D48
Silver foxes.

25210 HARTSOUGH, G. R. Ranchers have worked out mating systems. U. S. Fur Rancher 31(5):13,16. Dec. 1952. 412.629 Am3M
Minks.

25211 IL'INA, E. D. In regard to increasing the fertility of sables. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):45-49. July/Aug.1952. 49 K14

25212 JOURNEAY, J. S. Test tube chinchillas. Natl. Chinchilla Breeder 8(10):14,48-50. Dec.1952. 412.628 N21

25213 PAVLOV, M. K. Method of determining the types of constitution of Silver Black foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):61-65. July/Aug. 1952. 49 K14

Feeds and Feeding

25214 ROBERTS, W. L. Antibiotics, a discussion of their value as a mink feed supplement. Black Fox Mag. & Mod. Mink Breeder 36(8):18,29-33. Dec.1952. 410 B56

25215 ROBERTS, W. L. Fat in the mink ration. Natl. Fur News 24(12):23. Jan.1953. 412.628 R59

25216 SCHAEFER, H. C. Feed's importance in the diet of the fur-bearing animal. Feed Age 2(12):22-25, 40. Dec.1952. 389.78 F327

25217 WATT, P. R. Choice of supplements for high fish rations. Natl. Fur News 24(11):12,41,46. Dec.1952. 412.628 R59
Mink nutrition.

Veterinary Medicine

25218 DUBNITSKII, A. A. New cestode [Taenia sibirica] from the intestines of Barguzin sables. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):79. July/Aug.1952. 49 K14

25219 GORHAM, J. R., and GRIFFITHS, H. J. Diseases and parasites of minks. U. S. D. A. Farmers' B. 2050,41 p. Nov.1952. 1 Ag84F

25220 GORHAM, J. R. How to diagnose distemper in mink. Black Fox Mag. & Mod. Mink Breeder 36(8):19,38. Dec.1952. 410 B56

25221 HAUSER, W., and KRAFT, I. Anorexia in a chinchilla. Amer. Vet. Med. Assoc. J. 122:41. Jan.1953. 41.8 Am3

25222 HOFF, H., and WOXHOLTT, C. Diplococcus feeding infection in mink. (In Norwegian.) Nord. Vetmed 4:1201-1206. Dec.1952. 41.8 N813
English summary.

25223 POZDNIAKOV, E. V. Lactation of Blue Polar vixen. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):53-55. July/Aug.1952. 49 K14

25224 PRICE, D. Eye inflammation in the chinchilla. Natl. Chinchilla Breeder 8(11):16,40-41. Jan.1953. 412.628 N21

25225 PULLING, F. B. An outbreak of bovine tuberculosis in mink and treatment with rimifon. Natl. Fur News 24(11):13. Dec.1952. 412.628 R59

25226 RADKEVICH, P. E., and others. Treatment of gastroenteric diseases in young foxes and minks. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):66-69. July/Aug.1952. 49 K14
V. V. Kulikov, N. A. Kuznetsova, and K. I. Skorokhvatova, joint authors.

25227 WILLS, C. G. Notes on infectious enteritis of mink and its relationship to feline enteritis. Canad. J. Compar. Med. 16:419-420. Dec.1952. 41.8 C162

Miscellaneous

25228 AFANAS'EV, V. A. Effect of maintenance of Silver-Black foxes in smaller cages with perforated floors on their productivity and survival. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):30-37. July/Aug. 1952. 49 K14

25229 BRENON, H. C. The Brenon chinchilla service handbook. Culver City,Calif.,1952. loose-leaf. 412.62 B75

25230 FREITAG, C. Betrachtungen zur nerzprämiierung auf der Bundespelztierschau in Kiel. Deut. Pelztierzüchter 26:231-232. Dec.25,1952. 412.628 D48

25231 NATIONAL CHINCHILLA BREEDERS OF AMERICA. Report of the President. Natl. Chinchilla Breeder 8(10):16-18,20,22,24-28. Dec.1952. 412.628 N21

25232 WALTER, H. H. Fellernte. Österr. Kleintierzüchter 21/22:176-177. Nov.1952. 49 Os7

25233 WEISE, H. Erfahrungen mit freigehegen. Deut. Pelztierzüchter 26:224-228. (Concl.) Dec.25,1952. 412.628 D48
Coypus.

25234 WEISE, H. Erfahrungen mit freigehegen. II. Deut. Pelztierzüchter 26:203-207. Nov.25,1952. 412.628 D48
Care of nutria.

HORSES AND MULES

Breeds and Breeding

25235 AMERICAN SADDLE-HORSE BREEDERS ASSOCIATION. Register, v. 32. Louisville,1952. 460 p. 42.9 Am3

25236 BURCH, P. M. Training Thoroughbred horses. Blood-Horse 64:1212-1213,1266-1267,1293; 65:20-21. (Cont.) Dec.6-13,1952,Jan.3,1953. 42.8 T392

25237 DUFFY, L. G. Breeding topics. Harness Horse 18:725-726. Dec.17,1952. 42.8 H22

25238 FRANCE. MINISTERE DE L'AGRICULTURE. Stud book français; naissances des produits de Pur-Sang, des produits Anglo-Arabes, et des produits de Pur-Sang inscrits sur la liste A en 1951, v. XXVIII, sup. 2. Paris, 1952. 176 p. 42.9 F843

25239 THE GENERAL stud book; fourth supplement to volume XXXI. Return of mares for 1952 with index and advertisements of stallions for season 1953. London,1952. 174 p. 42.9 G28
Thoroughbreds.

25240 HELLBUSCH, C. E. Quarter Horse show—competition keynotes steady progress of breed at Denver. West. Livestock J. 31(5):237-239. Jan.1953. 6 F2278

25241 JACKSON, J. G. Breeding contracts. Thoroughbred Calif. 15:432-433. Dec.1952. 42.8 T393

25242 LOEN, J. Breeding of Fjord horses in Denmark. (In Norwegian.) Vâre Hester 29(4):15. Christmas 1952. 42.8 V42

25243 MADERIOUS, W. E. Infertility and related problems in the stallion. Calif. Vet. 6(2):24-26. Nov./Dec.1952. 41.8 C12

25244 NALENZ, O. Befruchtungsschwankungen bei hengsten im niedersächsischen Landgestüt Osnabrück-Evérsburg. (Sum.) Giessen,1951. 41 p. Ref. 42 N14
Inaug.-Diss. - Giessen.

25245 NASKE, A. 63. Noriker-hengstmarkt. Bauer 5(36):11-12. Oct.18,1952. 19 B32

25246 SHETLAND PONY STUD-BOOK SOCIETY. The Shetland Pony stud-book, v. 52. Lewes,1952. 87 p. 42.9 Sh5

25247 SHIRE HORSE SOCIETY. The Shire Horse stud book, v. 71-72, 1950-1951. London,1952? 278 p. 42.9 Sh6S

25248 STEELE, D. G. The elements of genetics. Blood-Horse 64:1218,1220,1222,1227. Dec.6,1952. 42.8 T392

25249 WELSH PONY AND COB SOCIETY. The Welsh stud book, v. XXXIV, 1950/51. Aberystwyth,1952? 132 p. 42.9 W46
Includes Welsh Riding Pony stud book, v. 1.

25250 WUSSOW. Die warmblutzucht Sachsen-Anhalts. Tierzucht 6:380-385. Nov.1952. 49 T443

25251 YARBROUGH, J. The Walking Horse, monument to breeding. West. Livestock J. 30(64):134,136. Nov.15,1952. 6 F2278

25252 ZAYAS, C., JR. El caballo Arabe. Rev. Ganad [Habana] 12(12):29-31. Dec.1952. 49 R321

25253 ZORN, W. Pferdezucht. Ed. 3. Stuttgart, Ulmer,1952. 322 p. (His Tierzuchtbücherei) 42 Z7

Feeds and Feeding

25254 FERRANDO, R. Les chevaux. Rev. de l'Élevage 7(spec.no.):88-89. 1952. 49 B462
Feeding.

25255 SAGER, L. Practical feeding. Vt. Horse & Bridle Trail B. 17:27-32. (Concl.) Jan.1953. 42.8 V59

25256 SCHOLZ. Mit weniger hafer. Deut. Landwirt. Presse 75:315-316. Dec.6,1952. 18 D482
Horse feeding.

Veterinary Medicine

25257 AUBERT. Le tétanos chez les équidés. Terre Marocaine 26:432-435. Nov.1952. 24 T44

25258 BASTERRECHEA, L. DE. Los extractos hormonales de hipófisis y ovario de la cría caballar. Rev. de Fomento Equino 2(17):29-30. Aug./Sept.1952. 42.8 R323

25259 BONFANTI, C. Brunner's glands in the horse. (In Italian.) Riv. di Med. Vet. e Zootec. 4:95-104. Ref. May/June 1952. 41.8 R522
English summary.

25260 BRASS, W. Uber das verhalten des weissen blutbildes nach der nahrungsaufnahme bei pferden. Hannover,1951. 40 p. 444 B735
Inaug.-Diss. - Tierärztliche Hochschule, Hannover.

25261 BUCHHOLZ, O. Zum bau des peniskörpers beim pferde und seine funktionelle bedeutung. Hannover, 1951. 31 p. Ref. 444 B854
Inaug.-Diss. - Tierärztliche Hochschule Hannover.

25262 CAMAND, CAMOU, and VERCELLOTTI. Le traitement de la dourine par la p, p'diamidino-di-phenoxypentane. Soc. de Path. Exot. B. 45:608-612. 1952. 448.9 So13

25263 CHARITAT, P. Les funiculites. Encyc. Vét. Période. 5/6:149-150. Nov./Dec.1952. 41.8 En1
In castration of horses.

25264 COHRS, P. Tiervergiftungen durch obstbaumspritzmittel. Obstbauversring. Mitt. 6:184-185. Dec. 1951. 85 J76
Horses.

25265 COLLING, K. Temperaturmessungen im liquor cerebrospinalis, in der bauch- und brusthöhlenflüssigkeit bei pferden mit dem elektrischen widerstandsthermometer unter besonderer berücksichtigung der körpertemperatur. Hannover,1951. 39 p. 444 C69
Inaug.-Diss. - Tierärztliche Hochschule, Hannover.

25266 COTTEW, G. S., and RYLEY, J. W. Shigella equirulis infection in a foal. Austral. Vet. J. 28:302-306. Ref. Nov.1952. 41.8 Au72

25267 DOWGIAŁŁO, S. Pielegnowanie kopyt i kucie koni [Hoof care and horseshoeing]. Warszawa,Panstwowe Wydawnictwo Rolnicze i Lesne,1952. 46 p. 42 D752

25268 GODGLÜCK, G. Die feststellung der beschälseuche mittels der komplementbindungsreaktion (KBR). Monatsh. f. Prakt. Tierheilk. 4:486-491. Ref. 1952. 41.8 M74
Of horses.

25269 GORDON, H. M. Worm parasites in horses. Past. Rev. 62:1068-1069. Oct.16,1952. 23 Au75

25270 HEIM, E. Zervixanomalien als kontraindikation für die technische besamung bei stuten. Monatsh. f. Vetmed. 7:448. Nov.15,1952. 41.8 M742

25271 HERRERA SABROSO, H. La prueba del sapo en el diagnóstico de preñez de la yegua. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:200-215. Ref. Dec.1951. 41.9 Un37

25272 INNES, J. R. M. Cerebro-spinal nematodiasis: a nervous disease of animals caused by immature nematodes (Setaria digitata) and its relationship to kumri of horses in India. Indian Vet. J. 29:81-86. Sept.1952. 41.8 In2

25273 KINTNER, J. H. Equine influenza and associated respiratory diseases. Blood-Horse 65:24-25,28,33, 36. Jan.3,1953. 42.8 T392

25274 LIEUX, P. Aspects du col de l'utérus de la jument, révélés par la photographie. Rec. de Méd. Vét. 128:351-358. June 1952. 41.8 R24

25275 MCGEE, W. R. Some common diseases in foals. Thoroughbred Calif. 15:424-425,482,484,486; 16: 26-28,64,66. Dec.1952-Jan.1953. 42.8 T393

25276 NAHAS, L., and ROSENFELD, G. Regeneration of red blood cells, hemoglobin and proteins in horses after bleeding. Influence of iron and soybeans. (In Portuguese.) Inst. Butantan. Mem. 24:1-7. 1952. 448.9 B97
English summary.

25277 NUMANS, S. R. Hernia scrotalis et ventralis of an army horse. (In Dutch.) Hemera Zoa 59:389-390. Aug.1952. 41.8 V51

25278 PETITDIDIER. Parasitose gastro-intestinale du cheval. Rec. de Méd. Vét. 128:282-284. May 1952. 41.8 R24

25279 PODESTA, P. R. Linfangitis ulcerosa de los equinos. Pampa Argentina 25(298):20-21. Oct.1952. 9 P19

25280 PRANOTO, R. A. Treatment of hyphomycosis destruens equi with Neoarsphenamine (neosalvarsan). (In Indonesian.) Hemera Zoa 59:367-382. Aug.1952. 41.8 V51
English summary.

25281 ROSINA COSTA, H., and SALDAÑA, C. A. A propósito de un caso de intoxicación forrajera con compromiso miocárdico en un caballo de Pura Sangre. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:222A-222D. Dec.1951. 41.9 Un37

25282 WALZ, E. Bau der epidermissohle des pferdehufes und ihre verbindung mit epidermisplatte, -ballen und -strahl. Hannover,1951. 36 p. Ref. 444 W175
Inaug.-Diss. - Gierärztliche Hochschule, Hannover.

25283 WIRSTAD, H. F. Valuation of the exterior of the horse. (In Norwegian.) Vâre Hester 29(4):12-13. Christmas 1952. 42.8 V42

Miscellaneous

25284 CROCE, L. Conclusions on the horse in Southern agriculture. (In Italian.) Allevatore 8(45):3. Nov.9,1952. 49 AL55

25285 CROCE, L. Consider equines for agriculture in the South. (In Italian.) Allevatore 8(43):3-4. Oct.26, 1952. 49 AL55

25286 DAVIS, R. Train your own roping horse. West. Horseman 18:8-9,41-43. (Cont.) Jan.1953. 42.8 W522

25287 ELAM, F. L. Are horses necessary? West. Livestock J. 31(5):216,218-219. Jan.1953. 6 F2278

25288 HAYWARD, O. S. The art of taming horses. Vt. Horse & Bridle Trail B. 17:10-11. (Cont.) Jan.1953. 42.8 V59

25289 HOYOS, M. Significado del concurso de modelo. Rev. de Fomento Equino 11(17):19-20. Aug./Sept.1952. 42.8 R323

25290 KEREON, Y. Considérations sur l'appréciation du cheval. Elevage et Cult. 4(46):10,22. Oct.1952. 24 EL2

25291 LARRAZABAL, E. J. El problema de los potreros. Rev. de Fomento Equino 2(17):21-24. Aug./Sept.1952. 42.8 R323

25292 LOWE, H. Probleme der pony- und kleinpferdezucht. Landwirtbl. Weser-Ems 99:1205-1207. Nov.27, 1952. 18 L2345

25293 PABST. Niedersächsische landgestüte prüfen ihre junghengste. Hannoversche Land- u. Forstwirt. Ztg. 105:1163. Nov.15,1952. 18 H194

25294 SCHAUS, R. Don't break 'em--train 'em! West. Livestock J. 31(5):221-222. Jan.1953. 6 F2278
Horses.

25295 SLOVER, S. L. In memory of the mule. Sowest. Crop & Stock 6(12):54-57. Dec.1952. 6 So8942
Habits and behavior.

25296 SOLLOHUB, E. The homing instinct of horses Country Life [London] 112:1645. Nov.21,1952. 80 C83

25297 VILLENEUVE, P. Les poulinières et les jeunes chevaux sont trop négligés. B. des Agr. 34(11): 76-77. Nov.1952. 7 B872

25298 YOUNG, J. R. Head-tossers and rearers. 1. West. Horseman 18:16-17,43. Jan.1953. 42.8 W522
Training riding horses.

LABORATORY ANIMALS, SMALL

Breeds and Breeding

25299 BALL, J. Breeding show cavies. All-Pets Mag. 23(11):106,108. Nov.1952. 48.8 AL5

Veterinary Medicine

25300 GWATKIN, R., and DZENIS, L. Brucellosis. IV. Effect of hyaluronidase on the antigenicity of killed cultures of Brucella abortus in guinea pigs. Canad. J. Compar. Med. 16:426-428. Dec.1952. 41.8 C162

25301 MAESTRONE, G. P. The combination of para-amino-benzoic acid with chloramphenicol in treatment of experimental brucellosis in rats. (In Italian.) Arch. Vet. Ital. 3:389-418. Ref. Oct.31,1952. 41.8 Ar25
English summary.

25302 SCHARES, M. Vergleichende untersuchungen über das meerschweinchen und den goldhamster im brucella-versuch. Giessen,1951. 33 p. Ref. 448.2 Sch1
Inaug.-Diss. - Giessen.

25303 STAUB, H. Die wirkung des antihistamins "Avil" auf die tuberkulose-allergie des meerschweinchens. Giessen,1951. 46 p. Ref. 41.2 St26
Inaug.-Diss. - Giessen.

Miscellaneous

25304 BOYER, C. M. Some laboratory uses for domestic rabbits. Amer. Rabbit J. 22:182-183. Dec.1952. 40.28 Am3

POULTRY

Breeds and Breeding

25305 ASMUNDSON, V. S. Strain differences in Broad Breasted Bronze. Calif. Turkey News 24:47. Sept. 1952. 47.38 C12

25306 COIN, P. A propos du pigeon Montauban. Soc. des Avicult. de la Gironde et du Sud-Ouest. B., July 1952: 9-11. 47.9 So1

25307 DAVYDOV, S. G. Ways of increasing the effectiveness of crossing. (In Russian.) Sovet. Zootekh. 7(6):3-13. June 1952. 49 So822
Experiments with poultry and swine.

25308 DEMPSTER, E. R., LERNER, I. M., and LOWRY, D. C. Continuous selection for egg production in poultry. Genetics 37:693-708. Ref. Nov.1952. 442.8 G28

25309 DICK, A. Reinzucht oder kreuzungszucht. Geflügelhof 15:769-771. Nov.28,1952. 47.8 G276
Poultry.

25310 DICK, A. Die Rhode Island als wirtschaftshuhn. Geflügelhof 15:702-703. Oct.31,1952. 47.8 G276

25311 DUZÉS, S. L'oie de Toulouse. Rustica 25: 1155. Dec.7,1952. 14 R92

25312 EIRAS, L. G. Let's raise Pekin ducks! (In Portuguese.) Chacaras e Quintais 86:52-53. July 15, 1952. 9.2 C34
Brazil.

25313 FARNECK, J. Die Perückentaube. Österr. Kleintierzüchter 21/22:170-171. Nov.1952. 49 Os7

25314 FARNEK, J. Lockentauben. Österr. Kleintierzüchter 19/20:152. (Cont.) Oct.1952. 49 Os7

25315 FRIGERIO, J. C. Inseminación en gallinas. Rev. Ganad. [Habana] 13:44-45,48. Jan.1953. 49 R321

25316 GARBER, M. J., and GODBEY, C. B. The influence of sire, dam, and hatching date on specific rate of growth of Single Comb White Leghorn pullets from hatching to twelve weeks of age. Poultry Sci. 31:945-955. Ref. Nov.1952. 47.8 Am33P

25317 GLAZENER, E. W., and others. Crossbreeding for egg production. Poultry Sci. 31:1078-1083. Ref. Nov. 1952. 47.8 Am33P
R. E. Comstock, W. L. Blow, R. S. Dearstyne, and C. H. Bostian, joint authors.

25318 GODFREY, E. F., and JAAP, R. G. Evidence of breed and sex differences in the weight of chicks hatched from eggs of similar weights. Poultry Sci. 31: 1108-1109. Nov.1952. 47.8 Am33P

25319 HAYS, F. A. Are three-hundred-egg hens superior breeders? Poultry Farmer [Sydney] 20(16): 25-26. Oct.18,1952. 280.28 Or32

25320 HAYS, F. A. Sex-dimorphism in tail length o chicks at ten days of age. Poultry Sci. 31:1093. Nov. 1952. 47.8 Am33P

25321 HILGER, R. Hessenkröpfer empfehlen sich. Deut. Kleintier-Züchter 7(21):7-8. Nov.5,1952. 49 D483

25322 HOLABIRD, C. A comparison of flock behavior in different breeds of the common domestic hen. Chicago,1952. 65 p. 47 H682
Thesis (M.S.) - University of Chicago.

25323 HUTTON, J. Leghorn Bantams. All-Pets Mag. 23(11):99-100. Nov.1952. 48.8 AL5

25324 JAAP, R. G. Problems in developing good broiler strains. Poultry Processing & Mktg. 59(2):19,38-40. Feb.1953. 286.85 Eg3

25325 JEFFERS, F. H. Partridge color. Poultry Press 39:9,20. Nov.13,1952. 47.8 P8643

25326 KING, S. C., and BRUCKNER, J. H. A comparative analysis of purebred and crossbred poultry. Poultry Sci. 31:1030-1036. Ref. Nov.1952. 47.8 Am33P

25327 KRONENBERG. Gestreifte Italiener im wandel der zeiten. Thür. Kleintierzüchter 6:386-387. Nov.30,1952. 49 T42

25328 LA ROCHEFOUCAULT, M. DE. Le canard de Rouen clair. Soc. des Avicult. de la Gironde et du Sud-Ouest. B., July 1952:15. (Cont.) 47.9 So1

25329 LEGRAND, P. L'hérédité de certaines particularités du plumage chez les volailles: paillette, tachété, excheque, chamois barré. Cour. Hort. 14:571-572. Oct.1952. 80 C834

25330 LINSS, C. Vergleichende beobachtungen des wachstums sowie der entwicklung der körperformen und der leistung bei "Roten Rhodeländern" und "Weissen Leghorns" aus amerikanischen geflügelzuchtbetrieben gegenüber gleichen rassen aus deutscher züchtung. (Sum.) Giessen,1951. 20 p. Ref. 47 L65
Inaug.-Diss. - Giessen.

25331 LORENZ, F. W., and MACILRAITH, J. J. Supplementary artificial insemination for turkeys. Calif. Turkey News 24:41,43,45. Sept.1952. 47.38 C12

25332 MACKLIN, H. P. Breeding the Holle Cropper pigeon. Amer. Pigeon J. 42:5-6. Jan.1953. 47.8 Am35

25333 MACKLIN, H. P. Name this new variety of pigeons. Amer. Pigeon J. 42:11. Jan.1953. 47.8 Am35
Called Crested Baldheads.

25334 MACKLIN, H. P. Pigeon portraits: the Domestic Flight pigeon. 4. Amer. Pigeon J. 42:8-10. Jan.1953. 47.8 Am35

25335 MACKLIN, H. P. Pigeon portraits: the Modern Show Flight. 3. Amer. Pigeon J. 41:360-361. Dec.1952. 47.8 Am35

25336 MARK, R. R. P. VAN DER. Dutch Croppers very popular in Holland. Amer. Pigeon J. 41:356-358,383. Dec.1952. 47.8 Am35

25337 MORLEY, W. A. Turkeys: current selection and breeding methods. Poultry Field 5(13):21-22. Nov. 6,1952. 47.8 P8655

25338 MOSIMANN, E. Zur farbe der Rhode Island. Geflügelhof 15:699-701. Oct.31,1952. 47.8 G276

25339 MUELLER, C. D. Linkage relationships of the gene for "shaker" in chickens. Poultry Sci. 31:1105-1106. Nov.1952. 47.8 Am33P

25340 MÜLLER, C. M. Verwandtschaftsformel in 2 buchstaben. Deut. Wirtgeflügelzucht. 5:108-109. Nov.29, 1952. 47.8 D483

25341 NORDSKOG, A. W., and WYATT, A. J. Genetic improvement as related to size of breeding operations. Poultry Sci. 31:1062-1066. Nov.1952. 47.8 Am33P

25342 PEASE, M. Sex-linkage in poultry breeding. Gt. Brit. Min. Agr. & Fisheries. B. 38,ed.4,11 p. 1952. 10 G794B

25343 PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Artificial breeding of turkeys. Pa. State Col. Agr. Ext. L. 152,6 p.-folder. Oct.1952. 275.29 P38L

25344 RADEFELD, B. Welche Rhodeländer verlangen wir auf den kommenden ausstellungen? Thür. Kleintierzüchter 6:375-376. (Concl.) Nov.20,1952. 49 T42

25345 RAGIONIERI, C. Profitable experiments on hybridization of poultry; the commercial crossing of White Leghorn with Rhode Island Red. (In Italian.) Allevatore 8(41):7. Oct.12,1952. 49 AL55

25346 RASSEBESCHREIBUNGEN der hühner und des grossgeflügels. Stuttgart,Pfenningstorff,1952? 247 p. 47 R18

25347 RAWSON, A. More on close breeding of pigeons. Amer. Pigeon J. 41:364-365. Dec.1952. 47.8 Am35

25348 SANSBURY, R. A. The importance of the eye in selecting breeding stock. Canada Poultryman 39(12): 18-19,22-23. Dec.1952. 47.8 C166

25349 SCALES, J. W. Breeding fowl. Gamecock 15(8):19-21,64,66,68. Dec.1952. 47.8 G142

25350 STACEY, C. G. Have you a breeding system? Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 29:11-12. Autumn 1952. 47.8 Ac2
Poultry.

25351 TAYLOR, L. W. Problems of fertility and hatchability. Nulaid News 30(8):6-7,29. Jan.1953. 47.8 N917

25352 THOMPSON, W. C. The Khaki-Campbell egg-type duck. N. J. Agr. Expt. Sta. Hints Poultrymen 34(2), 4 p. Sept.1952. 100 N46S

25353 WATES, B. E. Artificial insemination of game fowl. Gamecock 15(8):24-25. Dec.1952. 47.8 G142

25354 WILTZER, A. La "Plymouth-Rock." Soc. des Avicult. de la Gironde et du Sud-Ouest. B., Oct.1952: 9-11. 47.9 So1

25355 WOITH. Die zwerghühner in Hannover. Allg. Geflügel-Ztg. 32(33):2. Nov.20,1952. 47.8 AL5

25356 WOLFE, T. K. What is the future of the Beltsville Whites? Turkey World 28:5-6. Jan.1953. 47.38 T8

25357 YOUNGHEIM, J. Standard for the Russian Trumpeters. Amer. Pigeon J. 42:7,16. Jan.1953. 47.8 Am35

Feeds and Feeding

25358 ACKERSON, C. W., BORCHERS, R. L., and MUSSEHL, F. E. The utilization of food elements by growing chicks. XIV. Effect of the addition of vitamin B12 and antibiotic. Poultry Sci. 31:1023-1026. Nov.1952. 47.8 Am33P

25359 ALMQUIST, H. J. Amino acid requirements of chickens and turkeys—a review. Poultry Sci. 31:966-981. Ref. Nov.1952. 47.8 Am33P

25360 ANDERSON, G. W., CUNNINGHAM, J. D., and SLINGER, S. J. Effect of terramycin and certain phenylarsonic acid derivatives on the growth and intestinal flora of turkey poults. J. Nutr. 48:539-552. Ref. Dec. 10,1952. 389.8 J82

25361 BATES, R. Bulk feeding—a problem in poultry nutrition. Poultry Comment 9(4):1-2,4. Sept.1952. 47.8 D92

25362 BINET, P. Poussins—poulets—poulettes et poules pondeuses. Rev. de l'Elevage 7(spec.no.):91,93, 95. 1952. 49 B462
Feeding.

25363 BIRD, F. H. A comparison of methionine and two of its analogues in the nutrition of the chick. Poultry Sci. 31:1095-1096. Nov.1952. 47.8 Am33P

25364 BLAKELY, R. M., ANDERSON, R. W., and MACGREGOR, H. I. A comparison of crumbled pellets and mash, with and without procaine penicillin, on growth of turkey poults. Sci. Agr. 32:677-679. Dec. 1952. 7 Sci2

25365 BLOUNT, W. P. Recent developments in poultry nutrition. Ulster Farmer 52(11):47-48. Nov.1952. 10 UL7

25366 BOBBY, F. C., and BELWORTHY, W. R. Further evidence confirms need of vitamin A in diet for laying pullets. New Zeal. J. Agr. 85:293-294. Oct.15, 1952. 23 N48J

25367 BRANION, H. D., and HILL, D. C. Antibiotics and the growth of goslings. Poultry Sci. 31:1100-1102. Nov.1952. 47.8 Am33P

25368 CARPENTER, K. J. Results of experimental trials with antibiotics. Poultry Field 5(16):11-12. Dec. 18,1952. 47.8 P8655

25369 COATES, M. E. The mode and action of antibiotics. Poultry Field 5(16):11. Dec.18,1952. 47.8 P8655

25370 COUCH, J. R. Arsonic compounds—what is the present?—what is the key to the future? (Sum.) Feed Age 2(12):37. Dec.1952. 389.78 F327
Research with poultry.

25371 FANGAUF. Die bedeutung der geflügelhandelsmischfutter für den bauernhof. Futter u. Fütterung 23:172-173. Oct.1952. 389.78 F98

25372 GALLEGO PIEDRAFITA, J. Los comprimidos o gránulos para aves. Avicult. Téc. 5:85. Sept.1952. 47.8 Av57

25373 GIVEN, W. T. Nourishing food. Grit & Steel 54:25-26. Jan.1953. 47.8 G88

25374 GRAU, C. R. Some aspects of protein nutrition. Assoc. Amer. Feed Control Off. Off. P. 1953:70-73. 389.7 As7
Poultry.

25375 GRISON, J. Le canard et l'oie, le dindon, le lapin. Rev. de l'Élevage 7(spec.no.):97,99,101,103. 1952. 49 B462
Feeding.

25376 HALVERSON, A. W., and KAMSTRA, L. D. Carotene losses in stored poultry feeds. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:17-20. Fall 1952. 100 So82S

25377 HAMILTON, C. M. Medicated feeds for chickens and turkeys. Grain & Feed J. Consolidated 109 (12):15-17. Dec.24,1952. 298.8 G762

25378 HEIMAN, V. Turkey feeding facts; a summary of tested research findings. Feed Bag 28(12):31. Dec. 1952. 389.78 F32

25379 HEUSER, G. F., and NORRIS, L. C. The present status of antibiotics in poultry rations. N. Y. Agr. Col. Ext. Cornell Feed Serv. 37:13-14. Nov.1952. 275.29 N48Cf

25380 HILL, C. H., BORCHERS, R., and ACKERSON, C. W. Ineffectiveness of arginine in overcoming soybean growth inhibitor in the chick. Poultry Sci. 31:1098-1100. Nov.1952. 47.8 Am33P

25381 HILL, F. W. All-mash rations for hens. N. Y. Agr. Col. Ext. Cornell Feed Serv. 37:11-13. Nov.1952. 275.29 N48Cf

25382 HILL, F. W. Well balanced ration key to high feed efficiency. Broiler Growing 4:16,50,52-53. Jan. 1953. 47.8 B782

25383 HILL, W. F. Advances in turkey nutrition. Canad. Milling & Feed 33(10):23-24,27,40. Oct.1952. 298.8 C162

25384 JOHNSON, E. A. Sardine meal in laying rations. Coop. Poultryman 18:12-13,19. Jan.1953. 47.8 C782

25385 JOHNSON, E. L. Providing vitamin B_{12}, antibiotic and unknown growth factor activity for chick diets. Poultry Sci. 31:955-961. Ref. Nov.1952. 47.8 Am33P

25386 JOHNSON, E. L. Range nutrients for turkeys. Minn. Gobbles 7(6):26-27. Nov.1952. 47.38 M66

25387 KRATZER, F. H. Turkey nutrition research. Calif. Turkey News 24:37,77. Sept.1952. 47.38 C12

25388 LAKSESVELA, B. Vitamin E deficiency of chicks. (In Norwegian.) Norsk Landbr. 18:468-470. Dec. 12,1952. 11 N8122

25389 LIEBENBERG, C. R., and ERASMUS, J. E. The rôle of amino acids in poultry feed. Farming So. Africa 27:516-518. Nov.1952. 24 So842

25390 LILLIE, R. J., and others. Thyroprotein and fat in laying diets. Poultry Sci. 31:1037-1042. Ref. Nov. 1952. 47.8 Am33P

J. R. Sizemore, J. L. Milligan, and H. R. Bird, joint authors.

Lard used.

25391 MACHT, C. Fütterungsfibel für geflügelzüchter. Stuttgart, Pfenningstorff, 1952. 47 p. 47 M182

25392 MACINTYRE, T. M., and JENKINS, M. H. Clam shells, limestone and oyster shells, as sources of calcium in the rations of laying hens. Sci. Agr. 32: 645-650. Dec.1952. 7 Sci2

25393 MCKAY, W. Can we count on the stability of antibiotics in feedingstuffs? Mod. Poultry Keeping 67: 644-645. Dec.24,1952. 47.8 Eg3

25394 MAINARDI, B. Effects of doses of vitamin A on chicks. (In Italian.) Riv. di Zootec. 25:329-332. Ref. Nov.1952. 49 R52

25395 MATTERSON, L. D. More eggs for your feed dollars. East. Feed Merchant 3(12)34,36. Dec. 1952. 389.78 Ea7

25396 MAYFIELD, O. J. Poultry and arsonic compounds in disease control. (Sum.) Feed Age 2(12):35-36. Dec.1952. 389.78 F327

25397 MENGE, H., and COMBS, G. F. Unidentified growth factors required by chicks and poults. 2. Fractionation of a factor in liver. Poultry Sci. 31:994-1004. Ref. Nov.1952. 47.8 Am33P

25398 MOUNTAIN, W. F. Effects of feed restrictions on range reared pullets. Canad. Poultry Rev. 77:7-8,34. Jan.1953. 47.8 C16

Includes feed formulas.

25399 NORTHERN IRELAND. AGRICULTURAL RESEARCH INSTITUTE. Poultry nutrition results. World's Poultry Sci. J. 8:285-286. Oct./Dec.1952. 47.8 W89

25400 O'ROURKE, W. F., PHILLIPS, P. H., and CRAVENS, W. W. The phosphorus requirements of growing chickens as related to age. Poultry Sci. 31:962-966. Nov.1952. 47.8 Am33P

25401 PALAFOX, A. L., and ROSENBERG, M. M. Differential growth response of male and female chicks to antibiotic supplementation. Poultry Sci. 31:1110-1111. Nov.1952. 47.8 Am33P

25402 PATRICK, H. The effects of homocystine, methionine, vitamin B_{12}, and antibiotics in a methionine deficient chick ration. Poultry Sci. 31:1075-1077. Nov. 1952. 47.8 Am33P

25403 PEELER, H. T., and RODGERS, N. E. Effect of streptothricin on chick growth. Poultry Sci. 31:1104-1105. Nov.1952. 47.8 Am33P

25404 PEPPER, W. F., SLINGER, S. J., and MOTZOK, I. Effect of aureomycin on the manganese requirement of chicks fed varying levels of salt and phosphorus. Poultry Sci. 31:1054-1061. Nov.1952. 47.8 Am33P

25405 PETERSEN, C. F. Barley makes good feed. Norbest Turkey News 17(5):1,6-7. Nov.1952. 47.38 N75

25406 PETERSEN, C. F., and LAMPMAN, C. E. Value of antibiotics in rations for egg production. Poultry Sci. 31:1067-1069. Nov.1952. 47.8 Am33P

25407 PINTO, J. A. C. The feeding of poultry. (In Portuguese.) Granja [Porto Alegre] 7(58):51-52. (Concl.) Jan.1952. 9.2 G76

25408 ROEMMELE, O. Teergeruch und -geschmack bei frischeiern und bei suppenhühnern. Lebensmitteltierarzt 3:103-104. Nov.1952. 41.8 L49

Due to water.

25409 ROMAGOSA VILA, J. A. Ensayo de seis mezclas en la alimentación de pollitos. Avicult. Téc. 5: 63-66. Sept.1952. 47.8 Av57

25410 ROSENBERG, M. M. Low-grade sugar in layer rations. Hawaii Farm Sci. [Hawaii Sta.] 1(2):1,6. July 1952. 100 H314

25411 SAXENA, H. C., BERG, L. R., and MCGINNIS, J. Factors affecting the growth response of chicks and turkey poults to antibiotics. Poultry Sci. 31:1070-1074. Nov.1952. 47.8 Am33P

25412 SCOTT, M. L., and JENSEN, L. S. The effect of antibiotics upon the requirement of turkeys for unidentified vitamins. Poultry Sci. 31:986-993. Nov.1952. 47.8 Am33P

25413 SCOTT, M. L. Vitamin E, niacin, and yeast in the prevention of leg weakness in ducklings and young turkeys. N. Y. Agr. Col. Ext. Cornell Feed Serv. 37:8-10. Nov.1952. 275.29 N48Cf

25414 SIEVERLING, J. W. How important is water for pigeons. Amer. Pigeon J. 42:12-13. Jan.1953. 47.8 Am35

25415 SLINGER, S. J., and others. Effect of penicillin on the growth and feed efficiency of chicks fed urea. Poultry Sci. 31:1106-1108. Nov.1952. 47.8 Am33P

W. F. Pepper, D. C. Hill, and H. D. Branion, joint authors.

25416 SPREHN, C. Gesunderhaltung und zeitgemässe ernährung des geflügels. Deut. Kleintier-Züchter Ausg. Geflügel 7(22):3-4. (Cont.) Nov.20,1952. 47.8 D484

25417 SQUIBB, R. L., and others. Non-effect of aureomycin on eight constituents of the blood stream of hens fed high and low all-vegetable-protein diets. Poultry Sci. 31:982-986. Ref. Nov.1952. 47.8 Am33P

M. K. Wyld, N. S. Scrimshaw, M. A. Guzmán, and F. Aguirre, joint authors.

25418 STEWART, G. F. Effect of nutrition on quality of poultry meat and eggs. World's Poultry Sci. J. 8:246-248. Oct./Dec.1952. 47.8 W89

25419 STEWART, I. J. Anti-biotics and animal protein factors for poultry. Victoria. Dept. Agr. J. 50: 415-416,419. Sept.1952. 23 V66J

25420 TEMPERTON, H. The economics of egg production. 1-2. (Excerpts.) Poultry111:330,346. Nov.18-25,1952. 47.8 P869

Chiefly feeding.

25421 WAIBEL, P. E., CRAVENS, W. W., and SNELL, E. E. The effect of diet on the comparative activities of pyridoxine for chicks. J. Nutr. 48:531-538. Ref. Dec. 10,1952. 389.8 J82

25422 WILCOX, R. Turkey poults need phosphorus. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:3-5. Fall 1952. 100 So82S

25423 WORDEN, A. N. Some further developments in poultry nutrition, V. Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 29:14-16. Ref. Autumn 1952. 47.8 Ac2

25424 WRIGHT, B. F. Game fowl feeding, breeding and scientific discoveries about same. Grit & Steel 54: 49. Jan.1953. 47.8 G88

Veterinary Medicine

25425 ALWAR, V. S., and RAMANUJACHARI, G. Cultural experiments with Trypanosoma evansi in chick embryo—a preliminary report. Indian Vet. J. 29:113. Sept.1952. 41.8 In2

25426 BALLANTYNE, E. E. Alberta Veterinary Laboratory reviews diagnostic work for 1952. Canad. Poultry Rev. 77:12,14-16,28-29. Jan.1953. 47.8 C16

Work on poultry diseases of the Dept. of Agriculture laboratory.

25427 BAŞKAYA, H., MİMİOĞLU, and PAMUKCU, A. A. M. Ankara'da civciv ve piliçlerde görülen coccidiosis olayları üzerinde araştırmalar. Türk Vet. Hekimleri Dernegi. Dergisi 22:294-317. Ref. Sept./Oct.1952. 41.9 T84

English summary.

Eimeria causing outbreak of coccidiosis in chicks in Ankara area in early 1952, and treatment with sulfamethazine.

25428 BIESTER, H. E., and SCHWARTE, L. H. Diseases of poultry. Ed. 3. Ames,Iowa State Col. Press, 1952. 1245 p. Ref. 41 B475

25429 BIRD, F. H. The problem of pigmentation in broilers. Coop. Poultryman 17(12):8-9,34-35. Ref. Dec. 1952. 47.8 C782

25430 BLIECK, L. DE., and MARTHEDAL, H. E. Investigations concerning the feeding of chickens with Ratin in relation to the B.W.D. test. Vet. Rec. 64:815-817. Dec.13,1952. 41.8 V641

25431 BLOUNT, W. P. Mild pest—first-hand account. Poultry World 91:593. Dec.18,1952. 47.8 P8682
Great Britain.

25432 BOLTON, W. Observations on the vitamin metabolism of the common fowl. 2. Brit. J. Nutr. 6:386-392. Ref. 1952. 389.8 B773

25433 BORNSTEIN, S. About some poultry diseases and pests. (In Hebrew.) Hassadeh 33:45-47. Oct.1952. 26 H27

25434 BRANDT, C. D., VAN ROEKEL, H., and PECK, H. A. An egg-propagated immunizing agent for the control of infectious bronchitis of chickens. Poultry Sci. 31: 1004-1008. Nov.1952. 47.8 Am33P

25435 BRANION, H. D., HILL, D. C., and MOTZOK, I. Effect of subcutaneous implantation of bacitracin on the growth of chicks. Poultry Sci. 31:1096-1098. Ref. Nov.1952. 47.8 Am33P

25436 CARR, J. G. The leucosis complex. World's Poultry Sci. J. 8:276-280. Oct./Dec.1952. 47.8 W89

25437 CLARK, T. B., HEISHMAN, J. O., and CUNNINGHAM, C. J. Coccidiosis in chickens. W. Va. Agr. Expt. Sta. B. 357(1):3. Sept.1952. 100 W52

25438 COLE, R. C. Two ways to beat leukosis. Poultry Tribune 59:11,38. Jan.1953. 47.8 P8642

25439 COOPERRIDER, D. E. Air sac infection of poultry. Soeast. Vet. 3(4):25-26. Summer 1952. 41.8 Un32

25440 DJAENOEDIN, R., and KOERJANA, R. Some notes on the influence of immunized chickens with reference to N.C.D. (Newcastle disease) virus. (In Indonesian.) Hemera Zoa 59:337-344. Aug.1952. 41.8 V51
English summary.

25441 DURANT, A. J. Removing the vocal cords of fowl. Amer. Vet. Med. Assoc. J. 122:14-17. Jan.1953. 41.8 Am3

25442 FECHNER, J. Untersuchungen über das verhalten von hämagglutinationshemmung und immunität bei geflügelpestadsorbatvakzinen. Monatsh. f. Vetmed. 7:445-448. Nov.15,1952. 41.8 M742

25443 FRITZSCHE, K. Neue erkenntnisse über die gesunderhaltung unserer geflügelbestände. Geflügelhof 15:735-737. (Cont.) Nov.14,1952. 47.8 G276

25444 GALLEGO PIEDRAFITA, J. Transmisión de la "leucosis aviar" por algunas vacunas muertas contra la enfermedad de Newcastle. Avicult. Téc. 5:41-43. Ref. Aug.1952. 47.8 Av57

25445 GALLOWAY, J. H. Diagnostic facilities at Michigan State College I. Poultry Pathology Laboratory. M. S. C. Veterinarian 13:28-29,34. Fall 1952. 41.8 M582

25446 GARDINER, J. L., FARR, M. M., and WEHR, E. E. The coccidiostatic action of nitrophenide on Eimeria tenella. J. Parasitol. 38:517-524. Dec.1952. 448.8 J824
Tests with chicks.

25447 GEURDEN, L. M. G., and DEVOS, A. Listeriosis of poultry. (In Flemish.) Vlaams Diergeneesk. Tijdschr. 21:165-175. Sept./Oct.1952. 41.8 V84
English summary.

25448 GONZÁLEZ CHAPEL, A., and ROJAS, M. Environmental influence on the egg size of pullets in Puerto Rico. P. R. U. J. Agr. 36:115-121. Apr.1952. 8 P832J

25449 GONZÁLEZ-CHAPEL, A., and ROJAS DAPORTA, M. Influence of time of hatching on sexual maturity of pullets in Puerto Rico. P. R. U. J. Agr. 35:100-113. July 1951,pub.Apr.1952. 8 P832J

25450 GORDEUK, S. Broiler health chart. Broiler Growing 4:15. Jan.1953. 47.8 B782
Chick diseases.

25451 GUALANDI, G. L. Emergency vaccination of healthy poultry on a poultry farm infected with Newcastle disease. (In Italian.) Arch. Vet. Ital. 3:425-431. Oct.31, 1952. 41.8 Ar25
English summary.

25452 HAUPT, H., and GEISSLER, H. Zur impfung junger küken gegen atypische geflügelpest. Deut. Tierärztl. Wchnschr. 59:375-376. Dec.15,1952. 41.8 D482

25453 HAYS, F. A. Effects of age at sexual maturity on body weight, egg weight and egg production. Poultry Sci. 31:1050-1054. Ref. Nov.1952. 47.8 Am33P

25454 HENDERSON, W. Isolation of Salmonella schwarzengrund from turkey poults. Science 116:669. Dec.12,1952. 470 Sci2

25455 HINSHAW, W. R. Buy only pullorum disease-free chicks and poults. Vet. Med. 48:39. Jan.1953. 41.8 M69

25456 HINSHAW, W. R., and ROSENWALD, A. S. Turkey diseases. Calif. Agr. Col. Manual 3,110 p. 1952. 276 C121M

25457 HOLBROOK, F., SUNADA, K., and CLARKE, L. F. The influence of hydroquinone on the growth and organogenesis of the developing chick. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:98-99. Oct.1952. 500 C717

25458 HORTON, D. H. Treatment for blue comb. Poultry Indus. [Boston] 58(4):9. Dec.1952. 47.8 N44

25459 HUDSON, C. B., and PINO, J. A. Physiological disturbance of the reproductive system in White Leghorn cockerels following the feeding of Enheptin. Poultry Sci. 31:1017-1022. Nov.1952. 47.8 Am33P

25460 HUFF, C. G. Studies on the exoerythrocytic stages of Plasmodium gallinaceum during the "transitional phase." Expt. Parasitol. 1:392-405. Nov.1952. 436.8 Ex7
Tests with chicks.

25461 JONES, E. E. A vaccination program is important. Coop. Poultryman 17(12):16-17,26-27. Dec.1952. 47.8 C782
In poultry disease control.

25462 KING, D. F., and others. Tests in different environments of fowls genetically resistant to leucosis. Poultry Sci. 31:1027-1029. Nov.1952. 47.8 Am33P
R. K. Cole, F. B. Hutt, and G. J. Cottier, joint authors.

25463 KOHN, A. Immunization of chicken with atomized living Newcastle disease virus vaccine. Israel. Res. Council. B. 2:211-212. Sept.1952. 330.9 Is72B

25464 KRANEVELD, F. C., and MANSJOER, M. Haemoproteus [columbae] infections in Columba livia in Indonesia. (In Dutch.) Hemera Zoa 59:383-388. Ref. Aug.1952. 41.8 V51
English summary.

25465 LEE, C. E. La enfermedad de Newcastle; su control a base de un programa sanitario. Agrotecnia 7:13-16. Sept./Oct.1952. 8 Ag825

25466 LUGINBUHL, R. E., and JUNGHERR, E. L. Report on poultry respiratory disease control; program for 1951 and suggestions for 1952. Conn. (Storrs) Agr. Expt. Sta. INF-36,16 p. Feb.1952. 100 C76I

25467 MACHLIN, L. J., PEARSON, P. B., and DENTON, C. A. Relative toxicity of lanthanum, tantalum, and thorium compounds in the developing chick embryo. Arch. Indus. Hyg. & Occup. Med. 6:441-444. Nov.1952. 449.8 Ar24

25468 MACILRAITH, J. J., and MELCHIOR, F. B. Survey of leg weakness in turkey toms. Calif. Turkey News 24:33,35,75. Sept.1952. 47.38 C12

25469 MARION, P. Maladies des volailles et hygiene publique. Avicult. Basse-Cour 8:69. Sept./Oct.1952. 47.8 Av53

25470 MASTERSON, F. H. Las lombrices pueden ser un peligro latente. Agr. Austral 20:279-280. July/Aug.1952. 9.3 Ag842
In poultry.

25471 MITCHELL, C. A., WALKER, R. V. L., and MOYNIHAN, W. A. Studies in Newcastle disease. V-VI. Canad. J. Compar. Med. 16:409-414. Dec.1952. 41.8 C162
V, by C. A. Mitchell, and R. V. L. Walker; VI, by C. A. Mitchell, R. V. L. Walker, and W. A. Moynihan,

25472 MITSCHERLICH, E., and GÜRTÜRK, S. Die serologische untersuchung von organextrakten gestorbener hühner auf klassische und atypische geflügelpest (Newcastle-krankheit). Deut. Tierärztl. Wchnschr. 59: 371-372. Dec.15,1952. 41.8 D482

25473 MUELLER, R. A. The Poultry Improvement Advisory Board. Calif. Turkey News 24:17,19,21,72-73. Sept.1952. 47.38 C12
Work on pullorum-tested chicks and poults.

25474 MUHS, K. H. Untersuchungen über die wirkungsweise der sulfonamide auf die entwicklungstadien der Eimeria-arten im küken. Giessen,1951. 52 p. 436 M89
Inaug.-Diss. - Giessen.

25475 OLVERA HERRERA, M. Catarro de los sacos aereos. Tierra [México] 7:672-673,709,710. Oct. 1952. 8 T445

25476 OYTUN, H. Ş. Sulphamezathine against the coccidiosis of chickens. (In Turkish.) Türk Vet. Hekimleri Dernegi. Dergisi 22:280-284. Sept./Oct.1952. 41.9 T84
English summary.

25477 PEROTTI, R. M. Pullorosis o diarrea blanca bacilar. Pampa Argentina 25(298):10-11. Oct.1952. 9 P19

25478 POMEROY, B. S. Can respiratory infections be eliminated from breeding flocks? Minn. Gobbles 7(6): 11,19. Nov.1952. 47.38 M66

25479 PRATT, J. M. Poultry diseases. Grit & Steel 54(8):27-28. Dec.1952. 47.8 G88

25480 QUINN, R. W., and others. Newcastle disease virus in man. J. Lab. & Clin. Med. 40:736-743. Nov. 1952. 448.8 J8233
R. P. Hanson, J. W. Brown, and C. A. Brandly, joint authors.

25481 RAIL, W. Infektionsversuche mit Trichinella spiralis zur prüfung der immunitätsgründe beim geflügel. München,1951. 50 p. 436 R133
Inaug.-Diss. - Munich.

25482 RICHTER, J. Results of the use of a variant strain in S. pullorum antigen in some recent cases. (In Flemish.) Vlaams Diergeneesk. Tijdschr. 21:176-183. Sept./Oct.1952. 41.8 V84
English summary.

25483 ROOTS, E., HAUPT, H., and GEISSLER, H. Atypische hühnerpest (Newcastle-krankheit) bei jungen küken. Deut. Tierärztl. Wçhnschr. 59:369-371. Ref. Dec.15,1952. 41.8 D482

25484 ROTHFELS, U., HERRMANN, H., and KLOOSTER, H. The effects of some amino acid analogues on the development of the chick embryo in vitro. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:99. Oct.1952. 500 C717

25485 RÜHLE, H. Die aeroben bakterien im eileiter des legenden huhnes. Giessen,1951. 33 p. 41.2 R853
Inaug.-Diss. - Giessen.

25486 SCHIEL. Neue verordnung zur hühnerpestbekämpfung. Landwirtbl. Weser-Ems 99:1237. Dec.4, 1952. 18 L2345

25487 SCHOFIELD, F. W., and HUTSON, L. R. The isolation and identification of the virus of Newcastle disease in Trinidad. Canad. J. Compar. Med. 16:415-418. Dec.1952. 41.8 C162

25488 SHAFFNER, C. S. Effects of chilling and overheating of chicks. World's Poultry Sci. J. 8:249-250. Oct./Dec.1952. 47.8 W89

25489 SINGH, J., BASU, P. C., and RAY, A. P. Prophylactic trials against P. gallinaceum in fowls. Indian J. Malariol. 6:123-132. Ref. Mar.1952 448.8 In24

25490 SINHA, S. K., HANSON, R. R., and BRANDLY, C. A. Comparison of the tropisms of six strains of Newcastle disease virus in chickens following aerosol infection. J. Infect. Dis. 91:276-282. Nov./Dec.1952. 448.8 J821

25491 SKOGLUND, W. C. Effect of built up litter on coccidia and other parasites. World's Poultry Sci. J. 8: 293. Oct./Dec.1952. 47.8 W89

25492 SNOEYENBOS, G. H., BACHMAN, B. A., and VAN ROEKEL, H. A survey of the incidence of antigenic forms of Salmonella pullorum in the United States. Poultry Sci. 31:1009-1016. Ref. Nov.1952. 47.8 Am33P

25493 STEUER, A. Uber die hormonelle geschlechtsumstimmung bei hühnerembryonen mit den synthetischen follikelhormonen "Foragynol" und "Foradien" und ihre eventuelle praktische bedeutung für die geflügelzucht. (Sum.) Giessen,1951. 34 p. Ref. 444 St42
Inaug.-Diss. - Giessen.

25494 STEUERNAGEL, H. Untersuchung der entenbestände des Kreises Lauterbach (Oberhessen) auf ausscheider von Salmonella-bakterien. Giessen,1951. 27 p. Ref. 448.2 St43
Inaug.-Diss. - Giessen.

25495 TORRES DE LA PUERTA, C. Luchando contra la pullorosis. Chacra 23(265):50-51. Dec.1952. 9 C34

25496 VAN NESS, G. "Bell paralysis" in laying hens. Auburn Vet. 9:17,24. Fall 1952. 41.8 Au1

25497 VAN ROEKEL, H., and OLESIUK, O. M. Chronic respiratory disease, a serious problem in poultry health. Res. Rev. [Mass. Sta.] 1(2):3-5. July 1952. 100 M38R

25498 WALLER, E. F. No vaccine in sight for C.R. [chronic respiratory] disease. East. Feed Merchant 4: 68. Jan.1953. 389.78 Ea7
In poultry.

25499 WATANABE, Y. Building up resistance to fowl paralysis. (Extr.) Mod. Poultry Keeping 67:620-621. Dec.17,1952. 47.8 Eg3

25500 WEISS, P., and ANDRES, G. Experiments on the fate of embryonic cells (chick) disseminated by the vascular route. J. Expt. Zool. 121:449-487. Ref. Dec. 1952. 410 J825

25501 WOERNLE, H., and SIEGMANN, O. Blutuntersuchung zur diagnosestellung der geflügelpest am toten tier. Deut. Tierärztl. Wçhnschr. 59:373-375. Dec.15, 1952. 41.8 D482

25502 YATES, V. J. For a better poultry diagnostic service. Research [R. I. Sta.] 3:4-5. Summer 1952. 100 R34R

25503 ZANDER, D. V. The Division of Poultry Pathology [of the University of California]. Calif. Turkey News 24:27,74-75. Sept.1952. 47.38 C12

25504 ZUIJDAM, D. M. Pseudovogelpest vaccinatie en virusuitscheiding. Newcastle disease vaccination and excretion of the virus. Utrecht,Den Boer,1952. 123 p. 41.2 Z84
Proefschrift - Rijksuniversiteit, Utrecht.

Miscellaneous

25505 ARTIGA, R. Lo que deberían ser los concursos avícolas de puesta. Avicult. Téc. 5:76-77. Sept.1952. 47.8 Av57

25506 BARBEYRON, M. Étude rétrospective sur les incubations primitives en Egypte, en Chine, en France. Soc. des Avicult. de la Gironde et du Sud-Ouest. B., July 1952:5. 47.9 So1

25507 BECKER, A. Rassegeflügel auf leistungskontrollhöfen. Deut. Kleintier-Züchter. Ausg. Geflügel 7(22):1-2. Nov.20,1952. 47.8 D484

25508 BONNET., and others. Enquêtes aux U. S. A. et au Canada. (Extr.) Avicult. Basse-Cour 8:81-82. (Cont.) Sept./Oct.1952. 47.8 Av53
Riffault, Boudol, Hottinguer, de Montesquiou, Wiltzer, and Rignault, joint authors.
Report of a French poultry mission.

25509 BOTSFORD, H. E. Producing capons for home and market. N. Y. Agr. Col. Cornell Ext. B. 143,rev., 15 p. Oct.1952. 275.29 N48E

25510 BRANN, V. H. Housing poultry and weaning pens. N. Z. Poultry World 15:308-310. Oct.1952. 47.8 N11

25511 BRITO, S. F. In addition to productivity let us be concerned with the beauty of our poultry. (In Portuguese.) Chacaras e Quintais 86:647-648. Nov.15, 1952. 9.2 C34

25512 BUIL PALACIO, J. Selección de huevos para incubar. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 52: 16. Sept.1952. 15 Sa7

25513 BURGOS, C. X. Questions and answers on turkey raising. Agr. & Indus Life 14:24,47,50. Nov.1952. 25 Ag8

25514 BUTTNER, E. E. So you want to keep pigeons! Rearing is a strain on racing pigeons. So. African Poultry, Pigeon & Bird Mag. 81(490):30. Nov.1952. 47.8 So83

25515 CASA PACHECO, MARQUES DE. El nidal registrador. Avicult. Téc. 5:126-128. Oct.1952. 47.8 Av57

25516 ČERVINKA, J. Recent information on raising turkey hens. (In Czech.) Za Socialist. Zeměděl. 2:1169-1173. Oct.1952. 19.5 Z1

25517 COOKE, C. Cannibalism and egg eating in poultry. Minn. U. Agr. Ext. Folder 149,rev.,6 p. June 1952. 275.29 M66Ex

25518 COROMINAS CORTÉS, E. Cría y explotación de los patos. Avicult. Téc. 5:31-34. Aug.1952. 47.8 Av57

25519 DRESSE, O. Comment nous instruire? Soc. des Avicult. de la Gironde et du Sud-Ouest. B., Oct.1952: 3,5. 47.9 So1

25520 DRIGGERS, J. C. Cage-layer system can work. Fla. Poultry & Farm J. 18(12):10-11. Dec.1952. 47.8 F66

25521 DUTTLINGER, E. Bäuerliche geflügelhaltung; die organisation der holländischen geflügelzucht. Grüne 80:1360-1364. Dec.12,1952. 17 Sch9

25522 EARLE, W. More efficiency on your poultry farm. N. Y. Agr. Col. Cornell Ext. B. 868,16 p. Nov. 1952. 275.29 N48E

25523 ENRIQUEZ, A. Pigeon raising. Agr. & Indus. Life 14(11):22,39. Nov.1952. 25 Ag8
In the Philippines.

25524 EVANS, N. W. Turkey talk. Colo. Rancher & Farmer 6(22):1,6,9,17. Nov.22,1952. 6 C714
Care and management.

25525 FANGAUF, K. W. Zum thema "altstreu—tiefstreu." Deut. Wirtgeflügelzucht. 5:133-134. Dec.13, 1952. 47.8 D483

25526 FAVERDINES, M. Plégez le plus dangereux des Mustélidés. Vie à la Campagne 41:359-360. Oct. 1952. 80 V67
Poultry predators.

25527 GERICKE, A. M., and ERASMUS, J. Feather measurements and egg production. World's Poultry Sci. J. 8:271-276. Oct./Dec.1952. 47.8 W89

25528 GIBSON, J. Unprofitable pullets. Farmers' J. (n.s.)4(2):16,18. Dec.1952. 10 F2234
Includes culling hints and the importance of breeds.

25529 GLAZENER, E. W., and BLOW, W. L. Boost your egg production. Carolina Co-op. 31:12-13. Jan.1953. 72.8 N81

25530 GÖTZE, F. Junghennenaufzucht. Deut. Wirtgeflügelzucht. 5:108. Nov.29,1952. 47.8 D483

25531 GRATON, A. L'aviculteur peut réduire l'entreposage des oeufs. B. des Agr. 34(11):20,28. Nov. 1952. 7 B872
Poultry management for egg production.

25532 GT. BRIT. COLONIAL DEVELOPMENT CORPORATION. Report on the Gambia egg scheme. London,H. M. Stationery Off.,1952. 25 p. ([Gt. Brit. Parliament. Papers by Command] Command 8560) 47 G797

25533 GREAVES, H. M. Correct brooding of chicks. Australas. Poultry World 24(3):17,19. Oct.6,1952. 47.8 Au72

25534 GROSS, M. Conditioning before the keep. Grit & Steel 54:46-47. Jan.1953. 47.8 G88

25535 GUALCO, L. Lamp in the poultry house. (In Italian.) Terra e Sole 123:390-391. Nov.1952. 16 T273
Effects on egg production.

25536 GUNTHER, H. Federn gegen federnfressen? Deut. Wirtgeflügelzucht. 5:121. Dec.6,1952. 47.8 D483

25537 HALL, M. D. Burnley Egg-Laying Competition. Victoria. Dept. Agr. J. 50:417-419. Sept.1952. 23 V66J

25538 HASH, T. R. Brooding chicks for broilers or layers. W. Va. Agr. Col. Ext. C. 362,10 p. Sept.1952. 275.29 W522C

25539 HAYS, F. A. Sex ratio in Rhode Island Red chicks at hatching. Poultry Sci. 31:1094. Nov.1952. 47.8 Am33P

25540 HEILBRONN, F. Produzca huevos de pato. Tierra [México] 7:667-668,708. Oct.1952. 8 T445
Duck care.

25541 HEINSOHN DE BRIGARD, J. Ensayan con todo exito los rayos infrarrojos en la cria de pollitos. Agrario 17(4):15-16. 1952. 93 9.3 Ag85

25542 HERTEL, J. What's your grade? Do you measure up as a grade AA poultryman? Pacific Poultryman 57:10-11. Jan.1953. 47.8 P112

25543 HOLMES, W. Deep-litter henyards the essence of simplicity. Farmer's Wk. [Bloemfontein] 84:12-13,15. Oct.29,1952. 24 F225

25544 JASPER, A. W. More profits from eggs; here are seven steps that will help you get more eggs in the top grade. Poultry Tribune 59:9,34-35. Jan.1953. 47.8 P8642

25545 JOHNSON, L. What the broiler grower wants in a baby chick. Poultry Supply World 29(11):13,35. Nov. 1952. 47.8 B11

25546 JOINER, J. N. Efforts of poultry interests result in two new labs. Fla. Grower 61:22. Jan.1953. 80 F6622

25547 JUNGE, H. Ein blick in die dänische geflügelwirtschaft. Deut. Wirtgeflügelzucht. 5:97-98. Nov.22, 1952. 47.8 D483

25548 KING, D. F. Laying cages for market egg production. Ala. Agr. Expt. Sta. C. 110,30 p. Oct.1952. 100 AL1S

25549 KOLOBOV, G. M. To secure a high conservation of young poultry on collective farms. (In Russian.) Dostizhenifa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6: 76-79. June 1952. 20 D742
Care and feeding.

25550 KOONCE, B. Web-footed farm hands. N. Mex. 31:16-17,51. Jan.1953. 288.8 N46
Geese in the Pecos Valley.

25551 KOSIN, I. L. Here's how to handle hatching eggs. Washcoegg 30(6):12,21. Nov.1952. 47.8 W27

25552 KREBS, W. Beurteilungsfibel für geflügelzüchter; eine anleitung für aussteller, züchter und preisrichter zur beurteilung des geflügels nach schönheit und leistung auf grund äusserer merkmale. Stuttgart, Pfenningstorff,1952? 60 p. 47 K87B

25553 LATORRE, L. Explotación de aves en baterias. V. B. de Zootec. 8:305-309. Oct.1,1952. 41.9 So16

25554 LEUSCHNER, F. H. Prevent winter slumps in egg production. Everybodys Poultry Mag. 58:14,39-43. Jan.1953. 47.8 F213P

25555 MACILRAITH, J. J. Take care of your turkey hatching eggs. Turkey World 28:21,28. Jan.1953. 47.38 T84

25556 MANGUS, H. D. Indiana hatcheries strongly support NPIP. Hatchery & Feed 27:20-21. Jan.1953. 47.8 H28

25557 MANNANT, L. Colombiculture: aux exposants d'aujourd'hui et demain. Soc. des Avicult. de la Gironde et du Sud-Ouest. B., Oct.1952:11,13. (Cont.) 47.9 So1

25558 MAW, A. J. G. Uniformity of type in broilers. World's Poultry Sci. J. 8:281-285. Oct./Dec.1952. 47.8 W89

25559 MEHNER. Hühnerleistungsprüfung für vermehrungszuchten in Hohenheim 1951/52. Württemb. Wchnbl. f. Landwirt. 119:1087. Nov.29,1952. 18 W96

25560 MILLER, J. P. Fall and winter management of layers. Washcoegg 30(5):9,18-19. Oct.1952. 47.8 W27

25561 MILSTEAD, E. Importance of clean pigeon lofts. Amer. Pigeon J. 42:6-7. Jan.1953. 47.8 Am35

25562 MILSTEAD, E. What the pigeon fancy needs. Amer. Pigeon J. 41:362-363. Dec.1952. 47.8 Am35

25563 MOORE, A. C. Litter and range combined. Farmer & Stock-Breeder 65:137,139. Dec.9/10,1952. 10 F228

25564 MORRIS, R. H. Teaching chickens to perch. Australas. Poultry World 24(3):39,41. Oct.6,1952. 47.8 Au72

25565 MÜNTER. Was hat uns die höhere winterleistung der junghennen heute zu sagen? Deut. Wirtgeflügelzucht. 5:85-87. (Concl.) Nov.15,1952. 47.8 D483

25566 NATIONAL PLANS CONFERENCE. Report, June 10-13, 1952 in Dallas, Texas. Washington,U. S. Bur. Anim. Indus.,1952. 31 p. 1.972 A3R295
Deals with provisions of the National Poultry Improvement Plan and the National Turkey Improvement Plan.

25567 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Table poultry, by V. H. Brann and F. H. Hart. Sydney,1952. 60 p. 47 N472

25568 NODINE, E. H., TRASK, O. S., and HIGGINS, T. C. 4-H laying flock management. Conn. Agr. Col. Ext. B. 439,23 p. Sept.1952. 275.29 C76B
A New England Cooperative Extension publication.

25569 PAIEMENT, R. J. L'abattoir sur la ferme. Ferme 14(2):78-80,88. Oct.1952. 7 F38
Poultry.

25570 PAYNE, L. F., MELLEN, W. J., and BRUCKNER, J. H. Poultry theses presented for advanced degrees at land grant colleges and universities in the United States of America, 1896-1950. Manhattan,Kans., 1952. 106 p. 47.9 C813
Published as publication number 1 of the James E. Rice Memorial Poultry Library at Cornell University.

25571 PERMANNE, R. L. L'elevage du dindon. B. de Doc. et de Tech. Agr. 6(19):3-17. First Q.1952. 24 B873

25572 PEROTTI, R. M. Son factores esenciales en la incubación de huevos: humedad, temperatura y ventilación. Mundo Agr. 4(41):84-85. Oct.1952. 9 M92

25573 PERRY, J. E. Is the hatchery at fault? More often, the poultryman has overlooked some little detail in management, causing chick losses that should not have occurred. Pacific Poultryman 57:9,20-21. Jan.1953. 47.8 P112

25574 PETERSEN, N. Praktisches über schlachtgeflügelproduktion. Geflügelhof 15:786-787. Dec.5,1952. 47.8 G276

25575 PONSIGNON, M. Précocité des poulettes et mue d'automne. Vie à la Campagne 41:349-350. Oct. 1952. 80 V67

25576 POULTRY ASSOCIATION OF GT. BRIT. The thirty-sixth annual report of the council. London,1952. 19 p. 47.9 P864

25577 PRATT, J. W. A hen of one's own. Org. Gard. 21:26-27. Jan.1953. 56.8 Or3

25578 QUERNER, H. Aufzucht mit dunkelbatterien. Deut. Wirtgeflügelzucht. 5:93-94. Nov.22,1952. 47.8 D483

25579 RIVERS, F. Building a small farm with poultry. Good Husb. 3:9-10. (Cont.) Sept.1952. 24 G59

25580 ROY, E. P., and BAKER, J. M. F.F.A. educational hatchery service at Louisiana high schools. La. Agr. Expt. Sta. Mimeog. C. 139,16 p. July 1952. 100 L935

25581 SALA ROCA, E. Producción y métodos de comercialización avícola. Avicult. Téc. 5:129-130. Oct. 1952. 47.8 Av57
Chiefly observations on U. S.

25582 SCHAEFFER, L. B. Mi metodo de entresacas. Tierra [México] 7:694-696. Oct.1952. 8 T445
Poultry.

25583 SCHLEUSENER, E. Das lebendrupfen von gänsen. Tierzucht 6:385-388. Nov.1952. 49 T443

25584 SCHLUTTER, H. Die stellung der geflügelhaltung im bäuerlichen betrieb. Deut. Wirtgeflügelzucht. 5:81-83. (Concl.) Nov.15,1952. 47.8 D483

25585 SCHWANZ, H. L. Best size for your farm flock. Country Gent. 123:23,42-43. Jan.1953. 6 C833

25586 SPREHN, C. Gesunderhaltung und zeitgemässe ernährung des geflügels. Allg. Geflügel-Ztg. 32(33):1-2. Nov.20,1952. 47.8 AL5

25587 STRANSKY, N. Oologie (eierkunde). Österr. Kleintierzüchter 19/20:150-151. Oct.1952. 49 Os7

25588 SUSLOV, G. V. Local Nizhnedevitsk hens of Voronezh Region. (In Russian.) Ptitsevodstvo 8:6-8. Aug.1952. 47.8 P95

25589 SWEET, M. C. Are small turkeys a good buy? Turkey World 28:42. Jan.1953. 47.38 T84
Meat yield.

25590 TEMPERTON, H. How can we get more winter eggs? (Extr.) Mod. Poultry Keeping 67:620-621. Dec. 17,1952. 47.8 Eg3

25591 U. S. BUR. OF ANIMAL INDUSTRY. The National Poultry Improvement Plan. U. S. D. A. Misc. P. 300,rev.,39 p. Oct.1952. 1 Ag84M

25592 U. S. BUR. OF ANIMAL INDUSTRY. The National Turkey Improvement Plan. U. S. D. A. Misc. P. 555,rev.,37 p. Oct.1952. 1 Ag84M

25593 WALFORD, S. M. After the NPIP, what? Hatchery & Feed 27:21,23-24,26. Jan.1953. 47.8 H28

25594 WEAVER, L. E. Como intensificar la postura. Tierra [México] 7:690-692. Oct.1952. 8 T445

25595 WIDMER, J. Gallinas enjauladas. Tierra [México] 7:678-679,710. Oct.1952. 8 T445

25596 WILKINSON, G. Grow 'em under lamps. Farm Electrif. 6(6):2-3,8. Nov./Dec.1952. 335.8 F224
Chicks.

25597 WILSON, W. O. Effect of climatic environment on poultry production. Coop. Poultryman 18:4-7. Jan. 1953. 47.8 C782
Egg and meat production.

25598 SANBORN, L. How hard should you cull? Poultry Tribune 59:7,31-32. Jan.1953. 47.8 P8642

RABBITS

Breeds and Breeding

25599 CHERRIER, E. Pedigree. Angora Rabbit Mag. 7(5):1. Dec.1952/Jan.1953. 40.28 An42

25600 FORBUSH, K. Are Flemish Giants meat producers? Amer. Rabbit J. 23:11. Jan.1953. 40.28 Am3

25601 FORBUSH, K. A beginner purchases Flemish. Small Stock Mag. 37:22-23. Jan.1953. 48.8 P442

25602 GAMMEL, S. J. Angora wool farming can be a full-time occupation. Amer. Rabbit J. 23:6. Jan.1953. 40.28 Am3

25603 HOUT, F. VAN. A handsome long-ear: The Tan rabbit. 1-2. (In Flemish.) Cult. en Handel 18:664, 724-725. Nov.-Dec.1952. 80 C892

25604 HUHN, J. Einiges über gewinnung und beurteilung des kaninchenspermas. Berlin. u. Münch. Tierärztl. Wchnschr. 65:243-247. Dec.1952. 41.8 B45

25605 JONES, E. E. Care of the breeding doe. Amer. Rabbit J. 23:4-5. Jan.1953. 40.28 Am3

25606 MAISSE, E. Le lapin Russe. Soc. des Avicult. de la Gironde et du Sud-Ouest. B., July 1952:7. 47.9 So1

25607 NIEHAUS, H. Vorschläge zur festlegung von richtlinien für die prüfung auf reinerbigkeit bei fellkaninchen. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(22):1-3. Nov.20,1952. 40.28 D48

25608 RESER, L. Le Géante des Flandres. Rustica 25:1102. Nov.16,1952. 14 R92

25609 RICHARDSON, E. C. The story of the English rabbit. (Extr.) Fur & Feather 115:847. Dec.25,1952. 49 F96

25610 SCHUBERT, P. Die Lohkaninchen. Thür. Kleintierzüchter 6:378-379. Nov.20,1952. 49 T42

25611 WOODGATE, F. G. The Tan. All-Pets Mag., Dec.1952:105-106,107. 48.8 AL5

25612 ZIMMER, R. Das deutsche grosssilberkaninchen. Thür. Kleintierzüchter 6:354-355. Oct.30, 1952. 49 T42

Feeds and Feeding

25613 DEAN, A. L. Feeds other than grains. All-Pets Mag. 23(11):106-108. Nov.1952. 48.8 AL5
For rabbits.

25614 SANDFORD, J. C. What happens to food. II. What the rabbit needs. Fur & Feather 115:832. Dec.18, 1952. 49 F96

Veterinary Medicine

25615 HATZFELD, G. H. Mucous enteritis of rabbits. (In Portuguese.) Chacaras e Quintais 86:656-657. Nov.15,1952. 9.2 C34

25616 HORNLEIN, A. Körperform, bau und vererbung. Thür. Kleintierzüchter 6:379. (Concl.) Nov.20, 1952. 49 T42
Rabbits.

25617 KOHLHASE, H. Nochmals "ansteckenden schnupfen" (kaninchen-influenza). Thür. Kleintierzüchter 6:356. Oct.30,1952. 49 T42

25618 MOHR, J. Wirkung von sulfonamiden und phenothiazin bei der coccidiose des kaninchens. Giessen, 1951. 31 p. 436 M723
Inaug.- Diss. - Giessen.

Miscellaneous

25619 HITT, C. H. Which—light or heavy fryers? Amer. Rabbit J. 23:5. Jan.1953. 40.28 Am3

25620 HOHLS, H. W. Die beeinflussung der wollproduktion. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(22):5-6. Nov.20,1952. 40.28 D48
Angora rabbit.

25621 HORNLEIN, A. Ausmustern und schaufertigmachen der ausstellungstiere. Thür. Kleintierzüchter 6:366-367. Nov.10,1952. 49 T42
Rabbits.

25622 HORNLEIN, A. Verschiedene arten der kaninchenzucht. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(23):3-4. Dec.5,1952. 40.28 D48

25623 JOPPICH. Das gesicht des neuen einheitsstandards. Thür. Kleintierzüchter 6:343-344. Oct.20, 1952. 49 T42
Rabbits.

25624 SCHOTT, R. A. Rabbit schools. Small Stock Mag. 37:26. Jan.1953. 48.8 P442

25625 YOUNG, C. My experience in raising rabbits. Amer. Angora News 5(10/11):2-3. Oct./Nov.1952. 40.28 Am32

SHEEP AND GOATS

Breeds and Breeding

25626 BELSCHNER, H. G. The Merino. Wool Knowl. 2(7):5-12. Autumn 1952. 304.8 W886

25627 BLIZNICHENKO, V. A. Practices in developing the new breed of sheep, Dagestan Mountain. Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7: 60-64. July 1952. 20 D742
In Russian.

25628 BOĬKO, D. F. Preparation and successful carrying out of mating campaign—most urgent problem. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):3-8. July/Aug.1952. 49 K14
Karakul sheep breeding.

25629 BUCHHOLTZ, A. Ist das bisherige zuchtziel der merinofleischschafzucht und der aus ihm entwickelte typ heute noch vertretbar? Tierzucht 6:375-377. Nov. 1952. 49 T443

25630 BUSURIN, IA. A., and BLIZNICHENKO, V. A. Dagestan Mountain breed of semi-fine wooled sheep. (In Russian.) Sotsialist. Zhivotnovod. 14(8):47-54. Aug. 1952. 49 So71

25631 CAMPBELL, Q. P. The last stand of the Blackhead Persian. Farming So. Africa 27:487-488. Nov.1952. 24 So842
Sheep.

25632 CLOETE, L. The origin and development of the Merino. Merino Breeders' J. 14(4):6-8,10-11. (Cont.) Oct.1952. 45.8 So8

25633 DOLGOV, A. M. Practices of leading technician in artificial insemination of sheep. (In Russian.) Sotsialist. Zhivotnovod. 14(7):48-49. July 1952. 49 So71

25634 DRY, F. W. The genetics and fibre morphology of N-type sheep. New Zeal. Sci. Rev. 10:69-71. May 1952. 475 N48

25635 GEUS, L. H. DE. Cooperation is necessary between wool producers and ram breeders. (In Afrikaans.) Wolboer 6(3):10. Oct.1952. 45.8 W83

25636 HAVERBECK H., E. C. La oveja lechera de la Frisia oriental. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.301. Temuco,1952. 27 C7655

25637 HAYSE, MRS. W. Hybrid vigor shown in 3-breed cross. Dairy Goat J. 31:6-7. Jan.1953. 40.18 M592

25638 IŬDIN, V. M. Al'bom po bonitirovke karakul'skikh iagniat [Album on the breeding of Karakul lambs]. Moskva,Vneshtorgizdat,1951. 381 p. 45 Iu2

25639 JOSHI, H. C. Jamnapari goats. Indian Vet. J. 29:101-104. Sept.1952. 41.8 In2

25640 KENT OR ROMNEY MARSH SHEEP-BREEDERS' ASSOCIATION. The flock book of the Kent or Romney Marsh sheep, v. LVIII. London,1952. 246 p. 45.9 K41

25641 LABUSCHAGNE, F. J. Merino breeders should pay more attention to a stud book. Wolboer 6(4): 13. Nov.1952. 45.8 W83

25642 LITVINOV, P. M. Practices of shepherdess T. I. Shutenkova. (In Russian.) Sotsialist. Zhivotnovod. 14(9):68-70. Sept.1952. 49 So71
Chiefly on breeding and care of sheep.

25643 LÖLIGER, H. C. Fruchtbarkeitsstörungen bei ziegenböcken als folge einer keimepitheldegeneration. Fortpflanzung u. Besamung der Haustiere 2:74-76. Ref. Oct.15,1952. 41.8 F773

25644 LŐLIGER, H. C. Jungbockaufzucht und samenstauung. (Sum.) Deut. Kleintier-Züchter 7(22):4-5. Nov.20,1952. 49 D483
Feeding.

25645 LUKINA, A. P. Improving fertility of Karakul sheep by inseminating them with a mixed semen. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):9-12. July/Aug.1952. 49 K14

25646 MCFARLANE, D. Some aspects of infertility in the sheep. Ruakura Farmers' Conf. Week. Proc. 1951 137-143. 49.9 R82
Diseases and abortions.

25647 MAMEDIAROV, S. G. Insemination of sheep with a semen mixture from two rams. (In Russian.) Sotsialist. Zhivotnovod. 14(9):71-73. Sept.1952. 49 So71

25648 MARKOV, I. S. Development of sheep breeding in Komi ASSR. (In Russian.) Sotsialist. Zhivotnovod. 14(8):57-59. Aug.1952. 49 So71

25649 MAURON, P., and BESSE, J. DE. Le Berrichon du Cher. Rev. de l'Élevage 7:620-621. Nov.1952. 49 B462

25650 MIKHNOVSKII, D. K. Leading practices in fine-wooled sheep breeding of the forest-steppe and Polesye in Ukrainian SSR. (In Russian.) Sovet. Zootekh. 7(8):63-66. Aug.1952. 49 So822

25651 MISHAREV, S. S. Breeding work in the herds of Orenburg goat breed. (In Russian.) Sovet. Zootekh. 7(6):37-46. June 1952. 49 So822

25652 PEREN, G. S. Field studies of the Cheviot breed in New Zealand. (Sum.) Ruakura Farmers' Conf. Week. Proc. 1951:175-177. 49.9 R82
Includes discussion.

25653 PERNITZSCH. Formalismus und leistung in der schafzucht. Tierzucht 6:378-379. Nov.1952. 49 T443

25654 POLKOVNIKOVA, A. P. Karakul sheep raising in Tuva Region. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):27-29. July/Aug.1952. 49 K14

25655 RAE, A. L. Crossbreeding of sheep. II. Crossbreeding for lamb and mutton production. Commonwealth Bur. Anim. Breeding & Genet. Anim. Breeding Abs. 20: 287-299. Ref. Dec.1952. 241 Im72Ra

25656 REID, G. Breeds compared in study of spring lamb production. Miss. Farm Res. [Miss. Sta.] 15(11):7. Nov.1952. 100 M69Mi

25657 REIMER, I. The Angora goat. Sheep & Goat Raiser 33(3):38,40-41. Dec.1952. 45.8 Sh3

Feeds and Feeding

25658 ALLMAN, R. T., and HAMILTON, T. S. Problemas de nutrición en caprinos, caballares y mulares. Res 20:27520-27522. Nov.5,1952. 286.85 R31

25659 CHARON, A. J. L'entretien d'une bases et limites du rationnement. Rustica 25:1059,1061. Nov.9, 1952. 14 R92

25660 CUNNINGHAM, I. J. Copper deficiency in sheep in New Zealand. Ruakura Farmers' Conf. Week. Proc. 1951:144-150. 49.9 R82
Includes discussion.

25661 GALLUP, W. D., WALTERS, L. E., and MCOSKER, D. E. Manganese balance studies with lambs. Okla. Acad. Sci. Proc. 32:71-74. Ref. Aug.1952. 500 Ok42

25662 GREEN, R. J., and THOMPSON, D. S. The effects of winter nutrition of Merino ewe weaners on their subsequent performance. I. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:308-315. Nov.1952. 23 T182T

25663 HOEKSTRA, W. G., POPE, A. L., and PHILLIPS, P. H. Response of cobalt-deficient sheep to intravenously administered vitamin B_{12}. J. Nutr. 48: 431-441. Ref. Dec.10,1952. 389.8 J82

25664 HOEKSTRA, W. G., POPE, A. L., and PHILLIPS, P. H. Synthesis of certain B-vitamins in the cobalt deficient sheep, with special reference to vitamin B_{12}. J. Nutr. 48:421-430. Ref. Dec.10,1952. 389.8 J82

25665 HUGO, W. J. The influence of feeding on the milk production of the Merino ewe. Farming So. Africa 27:503-507,510,518. Nov.1952. 24 So842

25666 IAROV, I. I. Green sedge [Carex physodes]—a valuable forage plant. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):13-16. July/Aug.1952. 49 K14
Experiments in feeding it to sheep.

25667 KLOSTERMAN, E. W., and others. Relationship between inorganic phosphorus and vitamin A in the rat and sheep. Science 116:665-666. Dec.12,1952. 470 Sci2
D. W. Bolin, M. R. Light, and W. E. Dinusson, joint authors.

25668 LEROY, A. M. La mise en valeur des pâturages pauvres des régions montagneuses de la France. (Extr.) Mouton 7:109-110. Nov.1952. 45.8 M86
For sheep feeding.

25669 MERENDI, A. Forests and goats. (In Italian.) Mondo Agr. 3(44):3-4. Nov.2,1952. 16 M74

25670 MORRIS, W. E., and JORDAN, P. S. Fattening lambs. Minn. U. Agr. Ext. Folder 37,rev.,8 p. June 1952 275.29 M66Ex

25671 LES MOUTONS. Rev. de l'Élevage 7(spec.no): 78-82,84-85. 1952. 49 B462
Feeding.

25672 NEWCOMER, G. A. The way to improved pastures. Capriculturist 10(9):5-6. Sept.1952. 40.18 C17

25673 ORCUTT. E. P. Winter sheep nutrition summary. Mont. Wool Grower 27:18. Jan.1953. 45.8 M762

25674 PAMPALONI, A., and TUCCARI, A. Transhumance of sheep in the district of the Maremma Society. (In Italian.) Italia Agr. 89:744-753. Nov.1952. 16 It1

25675 POPE, A. L. Little things in feeding overlooked. Wis. Coop. Wool Growers News 18(4):4-5. Nov.1952. 280.28 W882
Sheep.

25676 ROUX, L. L. The use of forage in sheep production. Internatl. Grassland Conf. Abs. Papers 6(1):22-23. 1952. (Doc.5) 60.19 In86

25677 SIMMONS, V. L., YAO, T. S., and SCHOTT, R. G. The effects of nutritional differences on pregnant Karakul ewes and their production of lambskin fur. Fur Farming J. 5(3):10-11,13-14. Jan./Feb.1953. 45.8 K142

25678 SOTOLA, J. Scientific feeding, management is best hope for future of lamb producing industry. Calif. Livestock News 27(52):4-5. Dec.23,1952. 45.8 C12

25679 THOMPSON, D. S., and HOOPER, R. M. The growth of suckling Corriedale lambs under set and rotational systems of grazing at Cressy, Tasmania. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:276-282. Nov. 1952. 23 T182T

25680 WALLACE, L. R. The flushing of ewes. Ruakura Farmers' Conf. Week. Proc. 1951:206-218. 49.9 R82
Includes discussion.

25681 ZAGREBAEV, I. I. Preparation for wintering and driving of sheep to winter pastures of the State Fund, Black Lands. (In Russian.) Sotsialist. Zhivotnovod. 14 (9):59-63. Sept.1952. 49 So71

Veterinary Medicine

25682 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Infertility disease in sheep grazing subterranean clover. Melbourne,1952. 8 p. 41 Au74

25683 BENIAMINO, F. The use of iodized protein in the zootechnic field: research on the milk-producing action of iodinated casein in sheep lactating through hormone treatments. (In Italian.) Riv. di Med. Vet. e Zootec. 4:143-156. Ref. July/Aug.1952. 41.8 R522
English summary.

25684 BLIN, P. C., and OVEJERO DEL AGUA, F. Ectromélie double et totale chez la chèvre. Rec. de Méd. Vét. 128:374-381. June 1952. 41.8 R24

25685 BRASH, A. G. First outbreak of scrapie reported in New Zealand. New Zeal. J. Agr. 85:305-306. Oct. 15,1952. 23 N48J
Of sheep.

25686 BUDDLE, M. B. A note on penicillin treatment of experimental Clostridium chauvoei infection in sheep. New Zeal. Vet. J. 1:13-14. Sept.1952. 41.8 N483

25687 BURTT, E. The effect of Trypanosoma rhodesiense on temperatures of sheep. East African Agr. J. 18:35-38. Ref. July 1952. 24 Ea74

25688 CUBA CAPARÓ, A. Policitemia y mal de montaña en corderos. U. Nac. Mayor de San Marcos. Facul. de Med. Vet. Rev. 6:5-64. Ref. Dec.1951. 41.9 Un37
English summary.

25689 EATON, O. N. Weight and length measurements of fetuses of Karakul sheep and of goats. Growth 16:175-187. Sept.1952. 442.8 G91

25690 EDGAR, D. G. Vaginal eversion in the pregnant ewe. Vet. Rec. 64:852-858. Ref. Dec.27,1952. 41.8 V641

25691 ENZIE, F. D., and others. Trials with diphenthane-70 on the sheep tapeworm, Moniezia expansa. Amer. Vet. Med. Assoc. J. 122:29-30. Jan.1953. 41.8 Am3
A. O. Foster, L. R. Sinclair, and M. L. Colglazier, joint authors.

25692 EREMIN, V. M. Simultaneous inoculations of sheep with STI and aluminum hydroxide formol vaccines [for pox and anthrax control]. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):77. July/Aug.1952. 49 K14

25693 FOSTER, A. O. Systematic, preventive medication against sheep parasites. Vet. Med. 48:34-36. Jan. 1953. 41.8 M69

25694 FRASER, A. S., and SHORT, B. F. Competition between skin follicles in sheep. Austral. J. Agr. Res. 3: 445-452. Oct.1952. 23 Au783

25695 FRASER, A. S. Growth of the N-type fleece. Austral. J. Agr. Res. 3:435-444. Oct.1952. 23 Au783

25696 FRASER, A. S. Growth of wool fibres in sheep. Austral. J. Agr. Res. 3:419-434. Ref. Oct.1952. 23 Au783

25697 FREIRE, J. J. More on Thysanosoma actinioides. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. Mens. 4(43):15-17. Jan.1952. 41.9 R473
Tapeworm of sheep found in Brazil.

25698 GONZAGA, A. C., and VILLAVER, O. J. Studies on the effect of stilbestrol on the stimulation of lactation in virgin and in dry native goats. Indian Vet. J. 29:87-96. Ref. Sept.1952. 41.8 In2

25699 HOFFMANN, J. A. Acephalus acardius bipes, eine seltene ziegenmissgeburt. Berlin. u. Münch. Tierärztl. Wchnschr. 65:252-254. (Cont.) Dec.1952. 41.8 B45

25700 KHATIN, M. G. Eradication of mange on sheep—most important problem of workers in the sheep industry. (In Russian.) Sovet. Zootekh. 7(8):75-79. Aug.1952. 49 So822

25701 KUIMOV, D. K. Effect of various feeds on the abomasum secretion in sheep. (In Russian.) Sovet. Zootekh. 7(6):75-82. June 1952. 49 So822

25702 LALL, H. K. A case of congenital goitre in kids. Indian Vet. J. 29:133-135. Sept.1952. 41.8 In2

25703 LANDERS, E. J. A new species of coccidia [Eimeria honessi] from domestic sheep. J. Parasitol. 38: 569-570. Dec.1952. 448.8 J824

25704 LESLIE, A. How to lamb a ewe. (Sum.) Ruakura Farmers' Conf. Week. Proc. 1951:219-222. 49.9 R82

25705 LITTLEJOHN, A., and others. Enzootic abortion in ewes; field trials of vaccine. I-II. Vet. Rec. 64:858-863. Dec.27,1952. 41.8 V641
I, by A. I. Littlejohn, A. Foggie, and A. D. McEwen; II, by J. R. Hepple.

25706 MOUREU, D. Applications des oestrogènes de synthèse chez la brebis. Mouton 7:112. Nov.1952. 45.8 M86

25707 MUDALIAR, V. S. K., and others. Some disease problems of sheep and goats in special reference to breeding farms. India. Bd. Agr. & Anim. Husb. Proc. 8: 91-119. 1951. 49.9 In22
V. S. K. Mudaliar, M. R. Dhanda, V. R. Rajagopalan, H. N. Ray, S. A. Hussain, S. L. Manjrekar, G. S. Dehuri, S. V. Mudaliar, and T. Ananthapadmanabhan, joint authors.

25708 NIKITIN, V. N. In regard to tympanites in grey Sokolka lambs. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):56-61. July/Aug.1952. 49 K14

25709 NIKOL'SKIĬ, N. F. On the process of development of the rolled curl and mane in Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):16-27. July/Aug.1952. 49 K14

25710 PASHOV, T. V. On measures against paratuberculous enteritis in sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):73-76. July/Aug.1952. 49 K14

25711 PLOWRIGHT, W. Observations on the behaviour of rinderpest virus in indigenous African sheep. Brit. Vet. J. 108:450-457. Dec.1952. 41.8 V643

25712 POMMIER, G. H. Les maladies du mouton et de la chèvre. Paris,Vigot,1952. 79 p. (His Collection des Maladies des Animaux Domestiques 4) 41 P772Ma

25713 PUGH, P. S., and SCARISBRICK, R. Acetate metabolism in ovine ketosis. Nature [London] 170:978-979. Dec.6,1952. 472 N21

25714 RENOUX, G., and CORDIER, G. Le dépistage de l'infection brucellique chez les chèvres par une épreuve utilisant des antigènes colorés ajoutés au lait. Rev. d'Immunol. 16:312-319. 1952. 448.8 R323

25715 SANCHEZ BELDA, A. Nuevas aportaciones al conocimiento de la pigmentación de los ovinos. Zootechnia 1(4):21-27. July/Aug.1952. 41.8 Z73
English summary.

25716 SCHAMBYE, P. The cardiac output of sheep determined by Hamilton's injection-method. (In Danish.) Nord. Vetmed. 4:1148-1172. Ref. Dec.1952. 41.8 N813
English summary.

25717 SOPEL'CHENKO, M. I. Dictyocaulus in sheep under conditions of semidesert steppes of Uzbekistan. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):69-73. July/Aug.1952. 49 K14

25718 SPEDDING, C. R. W. The value of the faecal egg count in sheep. Vet. Rec. 64:813-815. Dec.13,1952. 41.8 V641

25719 STEPHENS, W. H., and THOMPSON, D. S. The effects of stilboestrol on lambs. I-II. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:291-297. Nov.1952. 23 T182T
I, The effect on suckling lambs; II, The effects of successive doses of stilboestrol on weaned lambs.

25720 STUART, J. E., and others. An outbreak of scrapie in California sheep. Calif. Vet. 6(2):22. Nov./Dec.1952. 41.8 C12
R. K. Allen, G. Shultz, P. D. DeLay, and A. C. Rosenberger, joint authors.

25721 THORP, F., and others. Scrapie in sheep. M. S. C. Veterinarian 13:36-37. Fall 1952. 41.8 M582
A. W. Judd, M. L. Gray, and L. B. Sholl, joint authors.

25722 TUNNICLIFF, E. A. Sheep vibriosis. Mont. Wool Grower 27:13-15. Jan.1953. 45.8 M762

25723 TURNER, A. W., and HODGETTS, V. E. Depression of ruminal digestion in adult sheep by aureomycin. Austral. J. Agr. Res. 3:453-459. Ref. Oct. 1952. 23 Au783

25724 ULSEN, F. W. VAN. Listeria monocytogenes infection. (In Dutch.) Tijdschr. v. Diergeneesk. 77:899-903. Ref. Dec.1,1952. 41.8 T431
English summary.
Of sheep.

25725 WALKER, D. E. The relationship of rubber rings and other castration methods to carcass quality. Ruakura Farmers' Conf. Week. Proc. 1951:151-158. 49.9 R82
Includes discussion.
Lambs.

25726 WELCH, J. A. Ovarian and uterine morphology as related to pituitary gonadotrophic potency in ewes. Urbana,1952. 3 p. 444 W44
Abstract of thesis - University of Illinois.

25727 WHITE, E. G., and CUSHNIE, G. H. Nutrition and gastro-intestinal helminths in sheep on hill grazing. Brit. J. Nutr. 6:376-386. Ref. 1952. 389.8 B773

25728 WILLIAMSON, G. T., and SALISBURY, R. M. Johne's disease in sheep. New Zeal. Vet. J. 1:15-17. Sept.1952. 41.8 N483

25729 WILNED. Son producidos por tenias el "torneo" de los carneros y la cisticercosis del cerdo. Mundo Agr. 4(41):96-97. Oct.1952. 9 M92

Miscellaneous

25730 BENFER, J. L. Futurity classes lead to improvement. Dairy Goat J. 31:7-8. Jan.1953. 40.18 M592
In goat shows.

25731 CLARKE, E. A. Controllable factors influencing wool returns. Ruakura Farmers' Conf. Week. Proc. 1951:193-205. 49.9 R82
Includes discussion.
Growth of wool fiber.

25732 HORLACHER, L. J. Kentucky sheepmen are moving ahead. Sheep & Goat Raiser 33(3):30-31. Dec. 1952. 45.8 Sh3

25733 KINNEAR, A. The production of clean milk. Brit. Goat Soc. Mon. J. 45:199-200. Dec.1952. 40.19 B77M

25734 MCMEEKAN, C. P. Sheep and cattle farming in Uruguay. Ruakura Farmers' Conf. Week. Proc. 1951: 130-136. 49.9 R82
Includes discussion.

25735 MCWILLIAMS, R. M. What about sheep for my farm? Hormel Farmer 15,i.e.16(2):2-3. Oct.15,1952. 49 H782

25736 MAGLIANO, A. Sheep's milk. (In Italian.) Allevatore 8(43):1-2. Oct.26,1952. 49 AL55

25737 MALINOVICH, M. I. Leading sheep raising farm of Krasnafa Zvezda Kolkhoz [in Ilek District, Chkalov Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(9):64-67. Sept.1952. 49 So71

25738 MASLENNIKOV, G. N. 219 lambs per 100 ewes. (In Russian.) Sotsialist. Zhivotnovod. 14(5):69-70. May 1952. 49 So71
Sheep farm of Put' Il'icha Kolkhoz in Ladskiĭ District, Mordovian ASSR.

25739 MORE, R. J. Tips for increasing farm flock profits. Co-op. Shipper 33:10-11. Jan.1953. 280.38 C78
Sheep care.

25740 MORLEY, F. H. W. Selection for economic characters in Australian Merino sheep. II. Relative efficiency of certain aids to selection. Austral. J. Agr. Res. 3:409-418. Ref. Oct.1952. 23 Au783

25741 PEARSE, E. H. Sheep and property management. Ed. 7. Sydney,Past. Rev.,1951. 612 p. 45 P32

25742 REID, P. A. Woolgrowing in South Africa. Past. Rev. 62:1063,1065,1067. (Cont.) Oct.16,1952. 23 Au75

25743 REID, P. A. Woolgrowing in South Africa. Past. Rev. 62:1190-1192. (Cont.) Nov.15,1952. 23 Au75

25744 SANDE, E. Ullundersøkeler fra utstillingene 1948, 1949 og 1950. Wool researches. Rams exhibited at the shows 1948, 1949 and 1950. Norges Landbrhøgsk. Meld. 32:43-110. 1952. 104 N762M
English summary.

25745 STAKAN, G. A., and PASTUKHOV, S. F. Increasing the yield and quality of wool of fine-wooled sheep of various constitutional types. (In Russian.) Sovet. Zootekh. 7(9):41-52. Ref. Sept.1952. 49 So822

25746 STARKE, J. S. A mutton type to suit every crop farm; use of large, fertile ewes and suitable rams could help solve Union's meat problems. Farmer's Wk. [Bloemfontein] 84:14-15. Nov.12,1952. 24 F225

25747 STEENBEEK. Sheep farming and keeping. (In Dutch.) Groninger Landbbl. 30(40):13. Oct.9,1952. 12 G892

25748 THOMAS, J. F. H. Still golden. Farmers Wk. [London] 37(23):73-74. Dec.5,1952. 10 F2226
Sheep care.

25749 TUCKER, W. Factors affecting yield in wool. Wool 1(5):55,68. 1952/53. 45.8 W887

SWINE

Breeds and Breeding

25750 CHAPEL, A. G., and CABRERA, J. I. Los cruzamientos en la crianza de cerdos en Puerto Rico. P. R. (Rio Piedras). Agr. Expt. Sta. B. 95,54 p. Ref. Sept.1951. 100 P83

25751 CHERVIAKOV, V. L. Twenty-six baby pigs from every sow per year. (In Russian.) Sotsialist. Zhivotnovod. 14(9):51-55. Sept.1952. 49 So71

25752 DEVUYST, A. Le porc de Plétrain dans l'économie porcine belge. IV. Sillon Belge 22(532):1-2. Nov.1,1952. 13 Si3

25753 D'IACHKOV, N. A. Industrial crossing of swine of the Large White breed with boars of various native breeds and groups for breeding. (In Russian.) Sovet. Zootekh. 7(6):14-25. June 1952. 49 So822

25754 ENGLISH, A. Opportunities prevail in southern agriculture. Duroc News 27:98-99. Jan.1953. 46.8 N212
Chiefly breeding Durocs.

25755 GREENSLADE, J. A. Modern pig breeding. London,Pearson,1952. 128 p. 46 G85
Includes feeding and diseases.

25756 HANSEN, H. Do we use the sows from our breeding herds sufficiently? (In Danish.) Dansk Landbr. 71:617-618. Dec.18,1952. 280.28 V91

25757 HARING, F. Das heutige zuchtziel in der veredelten landschweinezucht. Landwirtbl. Weser-Ems 99:1131-1132. Nov.6,1952. 18 L2345

25758 HERMANNY, L. Visiting the queen of the "Carunchos." (In Portuguese.) Chacaras e Quintais 86: 60-61. (Cont.) July 15,1952. 9.2 C34

25759 KHOREV, M. I. Kalikin breed of pigs. (In Russian.) Sovet. Zootekh. 7(8):47-52. Aug.1952. 49 So822

25760 MILLER, B. What makes a great boar great? Chester White J. 43:10-13. Jan.1953. 46.8 W582

25761 NIKOLAEVA, K. I. Swine breeding in Meshchevsk District [Kaluga Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(9):85. Sept.1952. 49 So71

25762 RED'KIN, A. P., and KOZLOVSKIĬ, V. G. In regard to utilizing Mangalitsa swine for industrial crossing. (In Russian.) Sovet. Zootekh. 7(8):53-62. Aug.1952. 49 So822

25763 SARDON, A. DE J. El cerdo de tipo ibérico en la provincia de Badajoz. B. de Zootec. 8:231-255. Aug. 1,1952. 41.9 So16
English summary.
Other sections of this Ph. D. thesis published in Zootechnia 1(4):43-51. July/Aug.1952. 41.8 Z73.

25764 TRULSSON, G. Swine breeding and back fat. (In Swedish.) Lantmannen 36:1051-1052. Dec.20,1952. 11 L234

25765 VOĬTKO, D. I. Improvement of swine herd on Bol'shevik [swine] breeding State Farm [Moscow Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(7):53-58. July 1952. 49 So71

Through hybridization.

25766 ZERT, P. Le herd-book du porc Large White a 25 ans. Rev. de l'Élevage 7:646-647,649. Nov.1952. 49 B462

Feeds and Feeding

25767 BEESON, W. M. Use of forage in swine production. Internatl. Grassland Conf. Abs. Papers 6(I): 3-4. 1952. (Doc.5) 60.19 In86

25768 BOGEL, H. Presskartoffeln für die schweinemast? Landwirt. Wchnbl. 142:1500. Dec.27, 1952. 18 L2338

25769 BRAUDE, R., and MITCHELL, K. G. Antibiotics and liver extract for suckling pigs. Brit. J. Nutr. 6:398-400. 1952. 389.8 B773

25770 BRITISH OIL AND CAKE MILLS. Fodder beet for pigs. Brit. Oil & Cake Mills. Pig Adv. L. 5,12 p. Apr.1952. 46.9 B772p

25771 CARPENTER, L. E. Arsonic compounds in swine feeding. (Sum.) Feed Age 2(12):35. Dec.1952. 389.78 F327

25772 CURTIN, L. V., and others. The methionine requirement for the growth of swine. J. Nutr. 48:499-508. Ref. Dec.10,1952. 389.8 J82

J. K. Loosli, J. Abraham, H. H. Williams, and L. A. Maynard, joint authors.

25773 DAMMERS, J. Swine tests with I.K.C. feed. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:670. Oct.29,1952. 44.9 AL3

25774 DELL, A. Engorde de cerdos. Asoc. Argentina Criadores de Cerdos. Rev. 31(364):12-13. Dec.1952. 46.9 As5

25775 EGGERSH. Zusätzliche wachstumseffekte bei schweinen als kombinationswirkung zwischen vitamin B_{12} und antibiotischen gärstoffen. Deut. Landwirt. Gesell. Mitt. 67:944-946. Dec.11,1952. 18 N39

25776 EN PORCHERIE industrielle. Rev. de l'Élevage 7(spec.no.):67,69-71. 1952. 49 B462

Feeding.

25777 FAGAN, V. J. Experimental work in pig raising. Tasmania. Dept. Agr. Tasmanian J. Agr. 23: 316-325. Nov.1952. 23 T182T

The value of protein foods and problems of winter feeding.

25778 FEVRIER, R. L'alimentation du porc. Rev. de l'Élevage 7(spec.no.):55,57. 1952. 49 B462

25779 FRASER, D. E. We must not expect miracles; antibiotics are no substitute for good feeding and management, but they could mean another 15,000 tons of pigmeat a year on present supplies of feeding stuffs. Farmer & Stock-Breeder 65:35,37. Dec.9/10,1952. 10 F228

25780 GORGES, P. Wirtschaftliche rübenmast. Deut. Landwirt. Gesell. Mitt. 67:891-892. Nov.27,1952. 18 N39

Swine feeding.

25781 HAUGHTON, P. How to increase your pig profits; it's mainly a matter of wise feeding. Dairy Farmer [Ipswich] 25(12):52,55. Dec.1952. 44.8 D1414

25782 IAGOVKIN, A. F. Utilization of sperm whale meal in raising baby pigs. (In Russian.) Sovet. Zootekh. 7(6):60-63. June 1952. 49 So822

25783 JØRGENSEN, H. Economical pork production. (In Danish.) (Excerpts.) Tidsskr. f. Landøkon. 12:510-512. Dec.1952. 11 T43

Feeding and care of hogs.

25784 KORKMAN, N. Thinner fat layer of swine; effect of feeding on the balance between muscular tissue and fat. (In Swedish.) Lantmannen 36:1050,1052-1053. Dec.20,1952. 11 L234

25785 LEHRER, W. P., and WIESE, A. C. Some vitamin deficiencies of the suckling pig. Idaho. Agr. Expt. Sta. Res. B. 21,47 p. Ref. Oct.1952. 100 Id1

25786 LE PORC fermier. Rev. de l'Élevage 7(spec.no.):59,61,63,65. 1952. 49 B462

Feeding.

25787 MCMEEKAN, C. P., and SMITH, D. M. The feeding and management of the sow and litter. New Zeal. J. Agr. 85:309,311,313. Oct.15,1952. 23 N48J

25788 MCMILLEN, W. N. Some new slants on feeding. OIC News 18(12):4. Dec.1952. 46.8 Oi1

25789 ODYNEC, R. N. Efficient and proper feeding of swine. (In Czech.) Za Socialist. Zeměděl. 2:1195-1198. Oct.1952. 19.5 Z1

25790 RASMUSSEN, G. The protein problem in our feeding of swine. (In Danish.) Jydsk Landbr. 34:849-851. Dec.4,1952. 11 J99

25791 REES, A. M. M. A note on the feeding of fodder beet to pigs as a means of economising in purchased meals. Penglais, Aberystwyth, Dept. Agr. Econ., U. Col. Wales, 1952. 12 p. 389.7 R25

25792 SCHUH, G. Let's learn the truth about the effects of antibiotics. Purdue Agr. 44:3,14. Oct.1952. 6 P97

In swine nutrition.

25793 SIMPSON, G. H., and others. Lucerne grazing of pigs will save grain and meatmeal. Agr. Gaz. N. S. Wales 63:515. Oct.1952. 23 N472

A. C. Godlee, D. S. Douglass, G. M. D. Carse, and G. L. McClymont, joint authors.

25794 SIMPSON, R. A crop to bring home the bacon. Farmers Wk. [London] 37(25):55,57. Dec.19,1952. 10 F2226

Fodder beets as feed for swine.

25795 SIMS, A. J. Pigs, too, make good use of pasture. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 67(12):16, 111. Dec.1952. 6 P945K

25796 STEELE, J. H. Raw garbage feeding. Vet. Med. 48:38,42. Jan.1953. 41.8 M69

Swine.

25797 TEICHMANN, W. Verwertung der hackfrüchte bei der schweinemast. Landwirtbl. Weser-Ems 99: 1157-1158. Nov.13,1952. 18 L2345

25798 WACKER, H. Fütterungsbeobachtungen an schweinen während der hackfruchtmast. Praxis u. Forsch. 4:137-144. Nov.20,1952. 18 P89

25799 WALLACE, H. D. Providing pasture for swine reduces protein needs and feed costs. Fla. Cattleman 17(4):84. Jan.1953. 43.8 F66

25800 WENIGER, J. H. Zur frage der futterverwertung bei schweinen. Tierzucht 6:369-374. Nov. 1952. 49 T443

Veterinary Medicine

25801 BENNETT, P. C. Today's [hog] cholera. Iowa Vet. 24:9-12. Jan./Feb.1953. 41.8 Io9

25802 BERDNIK, P. P. Digestibility of feeds and metabolism in adult pigs in relation to breeds and constitutional differences. (In Russian.) Sovet. Zootekh. 7(9):62-70. Sept.1952. 49 So822

25803 BROWN, P. B., and others. The effect of aureomycin on the growth and metabolism of the pig. Arch. Biochem. & Biophys. 41:378-382. Dec.1952. 381 Ar2

D. E. Becker, S. W. Terrill, and L. E. Card, joint authors.

25804 BRYAN, H. S. Porcine anthrax in Illinois. M. S. C. Veterinarian 13:19-21. Fall 1952. 41.8 M582

25805 BUTZ, H., and SCHNELLE, W. Vererbung der afterlosigkeit (atresia ani) beim schwein. Deut. Tierärztl. Wchnschr. 59:353-355. Dec.1,1952. 41.8 D482

25806 CASSELBERRY, N. H., and others. Hog cholera immunization with a new vaccine, propagated in vitro, and hog cholera antiserum. Vet. Med. 48:24-27. (Cont.) Jan. 1953. 41.8 M69

W. A. Malmquist, R. B. Houlihan, and W. H. Boynton, joint authors.

25807 CECH, D. Farmers arm against swine brucellosis. Capper's Farmer 64:24,28-29. Jan.1953. 6 M693

25808 CORRIAS, A. The suppression of estrus in domestic sows by means of an estrogenic substance. (In Italian.) Croce Azzurra 3(5):15-23. Sept./Oct.1952. 41.8 C87

English summary.

25809 COST, A. A. Diagnostische methoden bei der trichinose mit besonderer berücksichtigung der künstlichen verdauung. Worms am Rhein, Wormser Verlagsdruckerei, 1951. 39 p. Ref. 436 C82

Inaug.-Diss. - Giessen.

25810 GELORMINI, N. Ascaridosis del cerdo. Rev. Ganad. [Habana] 13:19,64. Jan.1953. 49 R321

25811 GONZÁLEZ CHAPEL, A. Body measurements as related to live weight in swine. P. R. U. J. Agr. 36: 89-101. Apr.1952. 8 P832J

25812 GROTHUES. Die hauterkrankungen des schweines. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2037-2038. Dec.11,1952. 18 L2346

25813 GROVES, D. Quick, easy way to draw a blood sample; "it's too much trouble" is no excuse for putting off testing for swine brucellosis. Successful Farming 51: 84,86. Jan.1953. 6 Su12

25814 GUALANDI, G. L. Brucellosis in swine caused by Brucella suis in Italy. (In Italian.) Arch. Vet. Ital. 3:419-423. Ref. Oct.31,1952. 41.8 Ar25
English summary.

25815 PINKERTON, H. E. M·L·V—duration of immunity. Fort Dodge Bio-chem. Rev. 23:6-7. Fourth Q. 1952. 41.8 F772
Hog cholera vaccine.

25816 PODADERA, F. Diarrea de los lechones. Veterinaria [Madrid] 16:1147-1148. Dec.1952. 41.8 V6429

25817 PRCHAL, C. J. Postmortem condemnations resulting from migratory ascarids in hogs. Amer. Vet. J. 122:42-44. Jan.1953. 41.8 Am3

25818 RAY, J. D. A practical discussion of swine diseases. Haver-Glover Messenger 33:6-8. Jan./Feb. 1953. 41.8 H29

25819 ROBERTS, C. S. Vesicular exanthema. Auburn Vet. 9:26. Fall 1952. 41.8 Au1

25820 SAMARDZHIEV, N. TSimentova bolest po prasetata [Cement disease of swine]. Sofiia, Zemizdat, 1951. 43 p. 41 Sa4
Broncho-pneumonia.

25821 SHUMAN, R. D., and others. Atrophic rhinitis. I-III. Amer. Vet. Med. Assoc. J. 122:1-8. Jan.1953. 41.8 Am3
I, by R. D. Shuman, F. L. Earl, W. T. Shalkop, and C. G. Durbin; II, by F. L. Earl, and R. D. Shuman; III, by R. D. Shuman, and F. L. Earl.

25822 VENEMA, H. The control of hog cholera. (In Dutch.) Groninger Landbbl. 30(40):14. Oct.9,1952. 12 G892

25823 WAGNER, J. Vaccine for prevention of hog cholera. (In Portuguese.) Granja [Porto Alegre] 7(58): 50. Jan.1952. 9.2 G76

25824 WALTZ, R. H. Hoosier hog breeders propose National [Swine Health] Research Foundation. OIC News 18(12):6. Dec.1952. 46.8 Oi1

25825 ZHUKOV, F. A. Experiment in conducting the winter farrowings in unheated swine houses. (In Russian.) Sovet. Zootekh. 7(9):94-95. Sept.1952. 49 So822

Miscellaneous

25826 AHRBERG, F. Oklahoma 4-H pig club manual. Okla. Agr. Col. Ext. C. 445,24 p. n.d. 275.29 Ok41C

25827 BEHRINGWERKE, M. Der rotlauf-adsorbat impfstoff in der literatur. Marburg,1951. 19 p. (Its Behringwerke Beiträge für die Tierärztliche Praxis) 41 B398

25828 BRITISH OIL AND CAKE MILLS. Pigs for bacon. London,1952? 24 p. 46 B77P

25829 CHIRKOV, D. I. Increasing the productivity of swine by offering them frequent walks. (In Russian.) Sovet. Zootekh. 7(9):53-61. Sept.1952. 49 So822

25830 DAVIDSON, H. R. We can produce the bacon. Farmer & Stock-Breeder 65:54-55. Dec.9/10,1952. 10 F228

25831 FERNQVIST, N. Quality production of pork. (In Swedish.) Lantmannen 36:1049-1050. Dec.20,1952. 11 L234
Chiefly on weight and measurement.

25832 GIULIANI, R. Technique of swine selection in the countries of North and Central Europe. (In Italian.) Riv. di Zootec. 25:313-318. Nov.1952. 49 R52

25833 GRUMMER, R. H. Are you getting the most from your sow herd? Hoard's Dairyman 97:1022. Dec. 25,1952. 44.8 H65
Management of the herd.

25834 HAUPT, H. Uber die wirkungsweise der infrarot-strahlen bei der aufzucht von ferkeln und küken. Deut. Landwirt. Gesell. Mitt. 67:919-920. Dec.4,1952. 18 N39

25835 KELLY, J. Hog production goes modern in North Carolina. Duroc News 27:46. Jan.1953. 46.8 N212

25836 LE MARE, D. W. Pig-rearing, fish-farming and vegetable growing. Malayan Agr. J. 35:156-166. July 1952. 22.5 F312

25837 NEVZOROV, G. A. Practices of the leading swine farm of Kutuzov Kolkhoz [in Tyrnovskiĭ District, Moldavia]. (In Russian.) Sotsialist. Zhivotnovod. 14(7): 32-37. July 1952. 49 So71

25838 PLAGER, C. Blue chip—savior of the swine industry? Iowa Agr. 51(4):4-5,19. Dec.1952. 6 Io9
Meat type hog.

25839 SHEEHY, E. J. The pig's comfort and the pig feeders' profit. Agr. Ireland 9:276-277. Dec.1952. 10.5 Ag8

25840 SOPER, M. R. H., and PRICE, W. T. Why not pig recording? Farmers Wk. [London] 38:40-41. Jan.2, 1953. 10 F2226

25841 STRIZHKOV, P. T. Practices of the Hero of Socialist Labor, swineherd U. K. Bykova, in raising baby pigs. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:79-82. June 1952. 20 D742

25842 THEESFELD, H. A successful cooperative FFA swine project. Berkshire News 18(3):13. Jan.1953. 46.8 B454

25843 UNIVERSITY COLLEGE OF WALES. DEPT. OF AGRICULTURAL ECONOMICS. Some economic aspects of pig-keeping in Wales, by A. M. M. Rees. Aberystwyth,1952. 36 p. 281.346 Un3

25844 ZUBKOVA, D. P. Raising baby pigs on Stalin Collective Farm [in Smorgonie District, Molodechno Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(9):56-58. Sept.1952. 49 So71

ENTOMOLOGY

GENERAL

25845 ASSOCIATION OF APPLIED BIOLOGISTS. Common names of British insect and other pests. II. Bedford,1952. 40 p. 423 As7

25846 BEIRNE, B. P. The origin and history of the British fauna. London,Methuen,1952. 164 p. 411.2 B393
Includes insects.

25847 BISSELL, T. L. Know your insect orders. Pest Control 20(12):9-10,12,38. Dec.1952. 449.8 Ex8

25848 BROHMER, P. Nadelwald. Heidelberg,Quelle & Meyer,1952. 152 p. (His Deutschlands Pflanzen- und Tierwelt. Führer durch die Heimischen Lebensräume) 409 B78N
Includes insects and plants.

25849 BRUES, C. T. Some evolutionary features inherent in the insect faunas of the Tropics. Fla. Acad. Sci. Q. J. 15:149-154. Sept.1952. 500 F66

25850 BURR, M. Experiments on the colouration of insects. Ent. Rec. & J. Variation 64:352-353. Dec.1952. 421 En89

25851 COSTA LIMA, A. DA. Notes on the 6th volume of "Insects of Brazil." (In Portuguese.) Inst. Oswaldo Cruz. Mem. 50:243-247. Mar.1952. 448.9 In74

25852 DEAY, H. O., TAYLOR, J. G., and OREM, M. T. Relative attractiveness of different wavelengths of radiant energy to flying insects. (Abs.) Ind. Acad. Sci. Proc. 61:140. 1951,pub.1952. 500 In2

25853 EICHLER, W. Behandlungstechnik parasitärer insekten. Leipzig,Geest & Portig,1952. 286 p. Ref. 423 Ei23

25854 ELLIOTT, A. M. Zoology. New York,Appleton-Century-Crofts,1952. 719 p. (The Century Biological Series) 411 EL5Z

25855 EZAKI, T. Ilustrated pocket book of Japanes insects. (In Japanese.) Ed. 4. Tokyo,Hokuryukan Co., 1952. 465 p. 422.6 Ez1

25856 GOLDSCHMIDT, E. Multiple sex-chromosome mechanisms and polyploidy in animals. J. Genet. 51:434-440. Ref. Jan.1953. 442.8 J823
Insects.

25857 HOCKING, B. Two predators as prey. Canad. Field-Nat. 66:107. July/Aug.1952. 410.9 Ot8

25858 HOY, J. M. Associations between insects and nematodes. New Zeal. Sci. Rev. 10:100-102. July 1952. 475 N48

25859 HULLS, L. G. Entomology during the early years of the Royal Society, as revealed by the philosophical transactions. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1951/52:84-90. 420 So8

25860 KAWATA, T. Illustrated pocket book of insect larvae. (In Japanese.) Ed. 3. Tokyo,Hokuryukan Co., 1952. 315 p. 422.6 K17

25861 KOCHER, L. Note complémentaire sur la prospection entomologique du Djebel Sarro. Soc. des Sci. Nat. du Maroc. B. 31:121-123. First Semes.1951, pub.1952. 515 So1

25862 LAGLOIRE, P., and GAUTHIER, G. Le guide de l'amateur d'insectes. Quebec,1951. 72 p. 422 L132

25863 LINDQUIST, O. H. A device for capturing adult insects in rearing containers and cages. Canad. Ent. 84:380-381. Dec.1952. 421 C16

25864 LOBO, M. R. C. A hidden world. (In Portuguese.) Gaz. do Agr. 4:240-241. Sept.1952. 24 G25
Insects.

25865 LONG, D. B. Some problems of polymorphism in insects. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:99-110. Ref. Dec.19,1952. 420 L84Pa

25866 MANTON, S. M. The evolution of arthropodan locomotory mechanisms. 2-3. Linn. Soc. London. J. Zool. 42:93-167. Ref. July 16,1952. 410.9 L64

25867 OLBERG, G. Blüte und insekt. Leipzig,Geest & Portig,1951. 102 p. (Die Neue Brehm-Bücherei; das Leben der Tiere und Pflanzen in Einzeldarstellungen. 43) 463.88 OL1

25868 PALM, N. B. Storage and excretion of vital dyes in insects. Arkiv f. Zool. (ser.2)3:195-272. Ref. 1952. 410.9 Sv22

25869 ROBINSON, H. S. The optimum conditions for the occurrence and observation of rare insects. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1951/52: 118-125. 420 So8

25870 SCHUCH, K. Eine klimatisierungseinrichtung für das studium ökologischer fragen bei holzschädlingen. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59: 353-358. Sept./Oct.1952. 464.8 Z3
English summary.
Insects.

25871 SHILOVA, E. I. Characteristics of the fauna of turf podzolic soils. (In Russian.) Leningrad. Gosud. Ordena Lenina U. im. A. A. Zhdanova. Uchen. Zap. Ser. Biol. Nauk 27:118-136. Ref. 1951. 511 M854

25872 SHOUMATOFF, N. Some statistical concepts in taxonomy. Lepidopterists' News 6:64-67. Nov.17,1952. 421 L554
With reply by F. F. Brown, and note by W. T. M. Forbes.

25873 SOTAVALTA, O. Flight-tone and wing-stroke frequency of insects and the dynamics of insect flight. Nature [London] 170:1057-1058. Ref. Dec.20,1952. 472 N21

25874 SOUTH LONDON ENTOMOLOGICAL AND NATURAL HISTORY SOCIETY. Proceedings and transactions 1951-52. Arbroath,1952. 157 p. 420 So8

25875 TISCHER, H. Celodal, ein kunststoff zur konservierung biologischer objekte. Kunststoffe 42: P103-P104. Dec.1952. 309.8 K96
Includes insect and plant specimens.

25876 TUCKER, R. W. E. The insects of Barbados. P. R. U. J. Agr. 36:330-363. Oct.1952. 8 P832J

25877 VAYSSIERE, P. La symbiose des insectes avec les microorganismes. Acad. d'Agr. de France. Compt. Rend. 39:579-580. Oct.8/15,1952. 14 P215Bc

25878 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Your 4-H insect project. Va. Agr. Col. Ext. C. 545,4 p. May 1952. 275.29 V81C

25879 WALLACE, D. E. A., and BAGNALL-OAKELEY, R. P. Norfolk. London,Hale,1951. 282 p. (County Books Series) 126 W152
Contains a chapter on insects.

25880 WASSER, H. B. Demonstration of a new insect virus not associated with inclusion bodies. J. Bact. 64: 787-792. Dec.1952. 448.3 J82

25881 WILLIAMS, C. B. Some notes on killing insects for collections and for scientific research. Entomologist 85:271-279. Dec.1952. 421 En8

25882 ZUIDEMA, H. P. Ancient wings in the rocks. Nat. Hist. 62:32-37. Jan.1953. 500 N483J

GENERAL - ECONOMIC

25883 ABURTO V., H. El control biológico de los insectos mediante el uso de predatores. Campo [Tacuba] (ser.2)20(727):6,8,10,12,14,16-19. Sept.30,1952. 8 C157

25884 AHRENS, L., and VANDENPUT, R. La lutte contre les ennemis des principales cultures pérennes de la cuvette centrale congolaise. Bruxelles,Direction de l'Agriculture, des Forêts, de l'Elevage et de la Colonisation,1952. 204 p. 464.4 Ah7

25885 APPERT, J. La culture du coton à Richard-Toll; facteurs limitatifs d'ordre entomologique. Bambey Cent. de Rech. Agron. B. 4:59-64. 1952. 24 B21

25886 BANERJEE, S. N. A short report of plant protection (entomological) work in West Bengal from April 1950 to November 1950 (Kharif season). Plant Protect. B. 3:106-111. Dec.1951. 421 P69

25887 BARBIER, P., RUMPF, P., and MUTEREL, A. Étude comparative de l'activité insecticide de quelques dérivés du diphénylèthane et de la méthylphénylsulfone. Soc. de Chim. Biol. B. 34:1005-1015. Ref. 1952. 383 So1
Experiments on insects.

25888 BARRETO, A. Insecticides and fungicides. (In Portuguese.) Chacaras e Quintais 86:86-88. (Concl.) July 15,1952. 9.2 C34

25889 BATES, J. Report on insect pests of sugar cane. Brit. Guiana. Dept. Agr. Sugar B. 20:59. 1952. 65.9 B773

25890 BECKHAM, C. M., and DUPREE, M. Summary of cotton insect control experiments during 1951; progress report. Ga. Agr. Expt. Sta. Mimeog. Ser. 38, 10 p. Dec.1951. 100 G29M

25891 BISHOPP, F. C. Insecticide residue problems in grassland agriculture. Internatl. Grassland Conf. Abs. Papers 6(I):5. 1952. (Doc.5) 60.19 In86

25892 BRENY, R., and STRASZEWSKA, Z. Protection des grumes; considérations et essais préliminaires sur la protection, contre les insectes xylophages, des grumes fraîchement abattues et non écorcées. Belgium Min. des Colon. B. Agr. du Congo Belge 43:1019-1036. Dec.1952. 24 K83

25893 CALLAHAM, R. Z., and MILLER, J. M. A frameless insect cage for use on trees. U. S. Bur. Ent. & Plant Quar. ET-304,4 p. Sept.1952. 1.9 En83Et

25894 ČAMPRAG, D. Some observations about the pests on marsh—mallow. (In Serbo-Croatian.) Zastita Bilja 10:56-61. 1952. 464.8 Z1
English summary.
On Althea officinalis, A. rosea, and Malva sylvestris.

25895 CHANDLER, S. E. Applications of pyrethrum in public health and related fields. Pyrethrum Post 3:2-6. Ref. July 1952. 421 P99

25896 CLAUSEN, C. P. Biological control of insects; California's subtropical climate favors establishment of natural enemies of agricultural insect pests. Calif. Agr. [Calif. Sta.] 6(11):10. Nov.1952. 100 C12Cag

25897 DAVIDSON, G., and BURNETT, G. F. Apparent fumigant action of non-volatile insecticides in African huts. Nature [London] 170:893. Nov.22,1952. 472 N21

25898 DAVIDSON, R. H. Control of pests in the rock garden. Plants & Gard. 8:265-269. Autumn 1952. 450 P694
Insects.

25899 DAVIS, J. J. Insects of Indiana during 1951. Ind. Acad. Sci. Proc. 61:148-151. 1951,pub.1952. 500 In2
As pests.

25900 DDT ASSOCIATION. DDT made in Japan. Com. Japan 3(8):29-30. Aug.1952. 286.8 C7333
Characteristics and uses.

25901 DOWNING, W., HARBOUR, H. E., and STONES, L. C. Modern insecticides and ectoparasite control. Vet. Rec. 64:787-803. Ref. Dec.6,1952. 41.8 V641
Paper presented at congress of British Veterinary Association, 1952.
Includes discussion.

25902 FARRELL, E. P., and MILNER, M. Insect fragment problem in the milling industry; a report prepared for The Millers' National Federation. Kans. Agr. Expt. Sta. C. 291,24 p. Nov.1952. 100 K13S
Sanitation and control program.

25903 FELLOWS, H., and CONNIN, R. V. A glass and plastic insect-proof cage. Plant Dis. Rptr. 36: 471-473. Dec.15,1952. 1.9 P69P
For use to find the vector for yellow-streak mosaic of wheat.

25904 FERNANDO, H. E. Notes on systemic insecticides. Trop. Agr. [Peradeniya] 108:125-126. Apr./June 1952. 26 T751

25905 FERRAGUTI, A. Parasites of stone fruits. (In Italian.) Agr. Ferrarese 56:17-19. (Concl.) Jan.31, 1952. 16 Ag87
Insect pests.

25906 FIGUEROA POTES, A. Catalogo de los Artropodos de las clases Arachnida e Insecta encontrados en el hombre, los animales y las plantas de la Republica de Colombia. II. Acta Agron. [Palmira] 2:199-223. Oct. 1952. 9.4 Ac8

25907 FREAR, D. E. H. New pesticides and their development. Better Farming Methods 25:14,16. Jan. 1953. 58.8 B46
Insects and weeds.

25908 FROMMING, E., and RIEMSCHNEIDER, R. Über die wirkung von insektiziden auf gastropoden. II. Anz. f. Schädlingsk. 25:186-189. Dec.1952. 421 An9

25909 GARDNER, L. R. Petroleum-derived products in agriculture pest control. Advn. Chem. Ser. 7:100-104. Ref. Aug.25,1952. 381 Ad93
Insect and weed control.

25910 GATES, D. E., and KING, C. L. Home garden pest control, 1953. Kans. State Col. Agr. Ext. L. 13,rev., 4 p. Dec.1952. 275.29 K13Le

25911 GEFFEN, D. H. Disease control in the Tropics. Corona 4:309-311. Aug.1952. 282.28 G79
Includes insect control.

25912 GERMANY. (FEDERAL REPUBLIC 1949-) MINISTERIUM FUR ERNAHRUNG, LANDWIRTSCHAFT UND FORSTEN. Vorratsschutz. Frankfurt am Main, Verlag Kommentator G.M.B.H.,1952. 40 p. Ref. 423 G313

25913 GOLOVÎANKO, Z. S. Secondary predators of pine in the Drepropetrovsk sands. (In Russian.) Les i Step' 4(8):33-36. Aug.1952. 99.8 L565
Insects.

25914 GORODEÎSKAÎA, I. I. Testing the effective force of DDT and benzene hexachloride dusts in various concentrations on agricultural pests. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:53-55. 1951. 106 Um1

25915 GRAY, G. P. Wings over the rice field. Rice News 19(9):9-10. Oct./Nov.1952. 59.8 R362
Aircraft for insect control.

25916 HALL, D. G. Public relations in entomology. Washington,U. S. Bur. Ent. & Plant Quar.,1952. 6 p. 1.967 A2H142
Part III of an invitational panel discussion delivered before a joint session of the American Association of Economic Entomologists and the Entomological Society of America, Dec. 15, 1952, Philadelphia.

25917 HALL, D. G. The story of allethrin. Farm Chem. 115(12):12-14. Dec.1952. 57.8 Am3

25918 HALLER, H. L. How pesticides are developed. Farm Chem. 115(12):37,39,41. Dec.1952. 57.8 Am3

25919 HANSON, H. S. Forest entomology. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:98-107. 1952. 99.9 G795Re

25920 HELSON, G. A. H. Relationship of entomology to plant quarantine. New Zeal. Sci. Rev. 10:110-113. July 1952. 475 N48

25921 HERCULES POWDER CO. Toxaphene agricultural insecticides. Wilmington,Del.,1952. 28 p. Ref. 423 H41To

25922 HOBBS, G. A. The control of destructive insects in forage seed fields. Internatl. Grassland Conf. Abs. Papers 6(F):24-25. 1952. (Doc.5) 60.19 In86

25923 HOGAN, T. W. Chemical control of insects and mites. 1. The present status of the synthetic organ insecticides. Victoria. Dept. Agr. J. 50:464-468. Oct. 1952. 23 V66J

25924 HOLE, K. W. Some recent results of using pyrethrins/piperonyl butoxide liquids with the microsol mechanical fog generator. Pyrethrum Post 3:25-28. July 1952. 421 P99

25925 HOWELL, D. E. Museum insect pest control with newer insecticides. Okla. Acad. Sci. Proc. 32:31-33. Aug.1952. 500 Ok42

25926 HYMAN, JULIUS & CO. Aldrin and dieldrin resumé. 1951/52. Denver,Colo.,1952. various pagings. 423.9 H99A

25927 IMPERIAL CHEMICAL INDUSTRIES. Gammexane products for the protection of grain, flour and other foodstuffs from insect attack with notes on "Kilioptera" fumigation. Birmingham,1952? 34 p. 423 Im72

25928 INDIANA FARM BUR. CO-OPERATIVE ASSOCIATION. Control those pests; new 1952 pest control handbook. Indianapolis,1952. 30 p. 464.4 In2
Insects and weeds.

25929 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. DEPT. OF ENTOMOLOGY. Tobacco insect control. Purdue U. Agr. Ext. Mimeog. E-43,2 p. June 1952. 423.9 In22

25930 KELSHEIMER, E. G., and WOLFENBARGER, D. O. Insects of tomatoes and their control. Fla. Agr. Expt. Sta. C. S-51,11 p. Oct.1952. 100 F66Ci

25931 KNOWLTON, G. F. Range entomology. Utah. Agr. Expt. Sta. Mimeog. Sheet 391,3 p. Nov.1952. 100 Ut1Mi

25932 LEIBY, R. W. Insecticides control forage pests. Better Farming Methods 25:34. Jan.1953. 58.8 B46

25933 LEPIGRE, A. L. Insectes du logis et du magasin; lutte contre les insectes ennemis du commerçant et de la ménagère, reconnaissance, moeurs et moyens du destruction. Alger,Insectarium,Jardin d'Essai,Alger,1951. 339 p. 423 L552I

25934 LEVER, J. A. W. New or recently introduced insect pests in Singapore, absent from the Federation of Malaya. Malayan Agr. J. 35:215-217. Oct.1952. 22.5 F312

25935 LOEWEL, E. L., and REICH, H. Ergebnisse der zweiguntersuchungen auf schädlingseier im niederelbischen obstanbaugebiet und die sich daraus ergebenden folgerungen für die obstbaumspritzung. Nahrbl. des Deut. Pflanzenschutzdienstes 4:153-156. Ref. Oct.1952. 442.9 B832

25936 MAKHNOVSKII, I. K. Sanitation of the Juniperus forests in Uzbekistan. (In Russian.) Lesn. Khoz. 5 (6):62-65. June 1952. 99.8 L5622
Chiefly on insect pest control.

25937 MAKSIMOVIĆ, M. Forest insect pests in 1950 and 1951 in the P. R. of Siberia. (In Serbo-Croatian.) Zaštita Bilja 9:70-82. 1952. 464.8 Z1
English summary.

25938 MANVILLI, V. Care and protection of crops. (In Italian.) B. dell'Agr. 86(39):1-2. Oct.10,1952. 16 B87
Insecticides in Italy.

25939 MARTORELL, L. F., and ADSUAR, J. Insects associated with papaya virus diseases in the Antilles and Florida. P. R. U. J. Agr. 36:319-329. Ref. Oct.1952. 8 P832J

25940 MAY, A. W. S. Apple pest control in the Granite Belt. Queensland Agr. J. 75:233-240. Oct.1952. 23 Q33

25941 MILES, P. W. Insect pests in the Lands. Rhodesian Tobacco J. 4(10):57,59-61,68. Oct.1952. 69.8 R34

25942 MITCHELL, W. G. Mother Nature's biological control in citrus groves. Fla. Grower 61:23,40. Jan. 1953. 80 F6622

25943 MUSSCHE, L. Injuries to fruit trees by bugs. (In Flemish.) Tuinbouwberichten 16:155. Oct.15,1952. 80 T817

25944 NELSON, H. D., and FISHER, C. K. Control of insects that attack dried beans and peas in storage. U. S. Bur. Ent. & Plant Quar. EC-27,12 p. Dec.1952. 1.967 A2Ec1

25945 NOLL, J. Erfahrungen bei der anwendung von calciumcyanid zur schädlingsbekämpfung im gewächshaus. Deut. Landwirt. 3:646-647. Dec.1952. 18 D4822

25946 ORDISH, F. G. Algunos problemas de la protección de las plantas. Bolsa de Com. Rosario. Rev. 40(978):3-5. Oct.15,1952. 287 R71
Pest and disease control.

25947 OSMUN, J. V. Appraisal of residual insecticide activity following thermal aerosol application. Ind. Acad. Sci. Proc. 61:152-158. 1951,pub.1952. 500 In2

25948 PARMALEE, P. W. Ecto- and endoparasites of the bobwhite: their numbers, species, and possible importance in the health and vigor of quail. No. Amer. Wildlife Conf. Trans. 17:174-188. Ref. 1952. 412.9 N814
Includes insects.
Includes discussion.

25949 PEARCE, G. W., and CHAPMAN, P. J. Insecticidal efficiency of petroleum fractions and synthetic isoparaffins. Advn. Chem. Ser. 7:12-24. Ref. Aug.25, 1952. 381 Ad93

25950 PETRIK, C. Observations about the appearance of pests and plant diseases on sugar-beet in Voyvodina. (In Serbo-Croatian.) Zaštita Bilja 9:27-30. 1952. 464.8 Z1
English summary.

25951 PLAUT, N. Benzene hexachloride as an insecticide. (In Hebrew.) Hassadeh 33:52-54. Oct.1952. 26 H27

25952 POLLANETZ. Missernte und schädlingsplage. Gart.-Z. Illus. Flora 75:125-126. Nov.1952. 80 G1991

25953 POSPELOVA, V. M. Data in regard to studying the injurious insect fauna of agricultural crops of Asino District, Tomsk Region. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:273-278. 1951. 511 T59

25954 PRIESNER, A. Bäuerlicher naturschutz- mit herz und verstand! Prakt. Landwirt. 6:140-141. Nov.1952. 19 P88
Includes protection of birds which eat insect pests.

25955 RAUN, E. S. Controlling insect pests of cattle. Iowa. State Col. Agr. Ext. Pam. 181,2 p. Apr.1952. 275.29 Io9Pa

25956 RAUN, E. S. Insect pests of dogs and cats. Iowa. State Col. Agr. Ext. Pam. 182,2 p. Apr.1952. 275.29 Io9Pa

25957 RAUN, E. S. Insect pests of sheep. Iowa. State Col. Agr. Ext. Pam. 180,2 p. Apr.1952. 275.29 Io9Pa

25958 REICH, H. Die ergebnisse der zweiguntersuchungen auf die eiablagen der wichtigsten tierischen schädlinge. Obstbauversring. Mitt. 7:48-51. Mar.1952. 85 J76
Fruit.

25959 RITCHER, P. O., and JONES, G. D. Vegetable insect control. N. C. Agr. Col. Ext. C. 313,rev.,23 p. Oct.1952. 275.29 N811

25960 RITSCHL. So bekämpfen wir die hausschädlinge! Bauern-Ztg. 5(43):5,15. Oct.24,1952. 18 B324

25961 RUDNEV, D. F. Application of DDT and BHC solutions in petroleum oil to destroy acorn predators. (In Russian.) Les i Step' 6:35-38. June 1952. 99.8 L565

25962 RYBACHEK, P. A. Methods for controlling injurious insects in forest belts. (In Russian.) Lesn. Khoz. 5(6):83. June 1952. 99.8 L5622

25963 SAINT-SAENZ, C. Hay que respetar los insectos. Rev. Ganad. [Habana] 13:12-13. Jan.1953. 49 R321

25964 SÁIZ MORENO, L. Luchas antiparasitarias en ganadería. IV. Veterinaria [Madrid] 16:1031-1044. Nov. 1952. 41.8 V6429

25965 SALINGER, J. P. Spraying for clean fruit - apples, pears, plums; the pests they attract and how to deal with them. Gard. Craftsman 1:176-179. Nov.1952. 80 G1636

25966 SCHANDERL, H. Pflanzenschutz im obstgarten. Pflanze u. Gart. 2(10):16-17. Oct.1952. 80 P48
Pest control.

25967 SCHIMITSCHEK, E. Probleme des forstschutzes im Wienerwald, auwald der Donauauen bei Wien, Marchfeld, den flugerdeaufforstungen im Wiener Becken und den wohlfahrtsaufforstungen im Seewinkel des Burgenlandes. Österr. Vrtljahresschr. f. Forstw. 93: 174-199. 1952. 99.8 Oe8
Chiefly insect pest control by parathion, systox and benzene hexachloride. Effects of drought on forests.

25968 SCHUDER, D. L. Insecticides for control of shade tree and shrub insect pests. Purdue U. Agr. Ext. Mimeog. E-41,29 p. Feb.1952. 423.9 In22

25969 SCHWARDT, H. H. Cómo librar al ganado de ácaros e insectos. Hacienda 48:94,100. Jan.1953. 6 H11

25970 SHELL CHEMICAL CORPORATION. Shell dieldrex 15. New York,1952? 5 p. (Its S/402) 423 Sh43S

25971 SHELL CHEMICAL CORPORATION. Shell 25% dieldrin wettable powder. New York,1952. 2 p. 423 Sh43

25972 SMITH, E. H. Tree spray oils. Advn. Chem. Ser. 7:3-11. Ref. Aug.25,1952. 381 Ad93
Insecticides for fruit.

25973 SOULIE, J. Les insecticides systémiques. Soc. d'Hort. de la Haute-Garonne. Ann. (ser.5)24:328-333. July/Sept.1952. 86 So194

25974 STEARNS, C. R., JR., and others. Methods of applying insecticide with different spray machines. Citrus Mag. 15(4):34-37. Dec.1952. 80 C498
W. L. Thompson, R. B. Johnson, and E. J. Deszyck, joint authors.

25975 STERNER, F. W. Control of insects from the air. (In Swedish.) Lantmannen 36:1028-1029. Dec.13, 1952. 11 L234

25976 STOCKDALE, A. Lista de plagas agrícolas, con nombres en español, inglés y latin, que atacan a los arboles y plantaciones en general. Mexico,D. F.,1952. 31 p. 423 St63

25977 STOBWASSER, H. Gedanken über aerokolloide, ihre eigenschaften und anwendungsmöglichkeiten im pflanzenschutz. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:358-364. Ref. Sept./Oct.1952. 464.8 Z3
English summary.
Insecticides.

25978 STREETER, J. R. Chemicals are best hope in battle of the bugs. Farmer-Stockman, Tex. Ed. 56:20,58. Jan.1953. 6 F22127

25979 TRAPPMANN, W. Einstäubemittel zur bekämpfung von schadinsekten im getreide. Nachrbl. des Deut. Pflanzenschutzdienstes 4:106-108. July 1952. 442.9 B832

25980 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant-quarantine import restrictions of the Kingdom of Belgium. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-437,rev.,11 p. Sept.24,1952. 1.9 F73

25981 U. S. FARMERS HOME ADMIN. Control livestock pests for more meat, milk, eggs and fiber. U. S. Farmers Home Admin. Farm Mangt. Notes 22,4 p. June 12,1952. 1.949 F2228

25982 U. S. FOREST SERV. Forest insects and diseases; a conservation teaching aid. Washington,1952. 8 p. 1.962 A2F645

25983 VORSCHLAGE für die Schädlingsbekämpfung 1952 verbunden mit einem Spritztagebuch. Jork,1952. 32 p. 423.92 V91

25984 WATTS, L. F. Insects and diseases, the greatest forest menace. No. Amer. Wildlife Conf. Trans. 17:20-26. 1952. 412.9 N814

25985 WEAR, L. Industry pools its brains in fight against grain infestation. Prog. Res. 7:10-13. Fall 1952. 470 P943

25986 WEAVER, C. R. Entomological problems in forage crop production. Ohio. State U. Abs. Doct. Diss. 63:389-391. 1952. 241.8 Oh3

INSECTICIDES

25987 APPERT, J. Influence des facteurs climatique tropicaux sur la remanence des insecticides organiques. Essais préliminaires. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:204-208. Ref. Sept.1952. 26 F84B

25988 ARKIS, J. W., and FLINT, G. W. Solvents for DDT. Advn. Chem. Ser. 7:52-55. Aug.25,1952. 381 Ad93

25989 ARMSTRONG, G., BRADBURY, F. R., and BRITTON, H. G. The penetration of the insect cuticle by DDT and related compounds. Ann. Appl. Biol. 39: 548-556. Ref. Dec.1952. 442.8 An72

25990 BISHOPP, F. C. Insecticide residue problems in grassland agriculture. Internatl. Grassland Conf. Abs. Papers 6(B):6. 1952. (Doc.5) 60.19 In86
Toxicity to man and animals.

25991 BLACKALLER VALDEZ, A. Peligros de envenenamiento con los insecticidas y precauciones para su manejo. Agrotecnia 7:51-56. Sept./Oct.1952. 8 Ag825

25992 COLLINS, D. L. Thermal oil fogs as insecticides and insecticide carriers. Advn. Chem. Ser. 7:60-69. Aug.25,1952. 381 Ad93

25993 DARSIE, R. F., JR. Effect of DDT and lindane sprays on goldfish. N. J. Mosquito Extermin. Assoc. Proc. 39:175-178. 1952. 420 N46

25994 EARLE, N. W. Mode of action of piperonyl butoxide as a synergist for pyrethrum. Urbana,1952. 3 p. 423 Ea72
Abstract of thesis - University of Illinois.

25995 FISHER, A. L., KEASLING, H. H., and SCHUELER, F. W. Estrogenic action of some DDT analogues. Soc. Expt. Biol. & Med. Proc. 81:439-441. Nov.1952. 442.9 So1

25996 GINSBURG, J. M. Preliminary studies on the effect of sunlight on decomposition and detoxification of DDT. N. J. Mosquito Extermin. Assoc. Proc. 39:162-167. Ref. 1952. 420 N46

25997 GRIFFITHS, A. E., and JANES, M. J. Phytotoxic and insecticidal study of a petroleum isoparaffinic fraction. Advn. Chem. Ser. 7:37-42. Aug.25,1952. 381 Ad93

25998 HALL, D. G. Our food supply, wildlife conservation, and agricultural chemicals. No. Amer. Wildlife Conf. Trans. 17:26-33. 1952. 412.9 N814
Chiefly insecticides.
Includes discussion.

25999 HALL, D. G. Pesticides in our food supply? Better Farming Methods 25:40,42-43. Jan.1953. 58.8 B46

26000 HALL, L. A. R., and VANDERWERF, C. A A new commercial synthesis of the insecticide parathion. Kans. Acad. Sci. Trans. 55:131-137. Ref. Mar. 1952. 500 K13T

26001 HOPKINS, D. P. Systemic insecticides. Chem. Prod. (n.s.)11:396-400. Ref. Nov.1952. 382 C428
Chemistry.

26002 LAFORGE, F. B., and GREEN, N. Constituents of pyrethrum flowers. XXV. The synthesis of d-cinerolone, cinerin I, and its optical isomers. J. Org. Chem. 17:1635-1640. Ref. Dec.1952. 381 J827

26003 LHERITIER, G. Les essais d'insecticides au laboratoire. École Colon. d'Agr. de Tunis. Assoc. Amicale des Anciens Élèves. B. Period. 132:33-36. Jan./Feb.1952. 24 T833B

26004 LÖWENBERG, P. Synthetic chemical products. (In Portuguese.) Rev. de Quim. Indus. 21(243):14-20. July 1952. 385 R324
Includes DDT.

26005 MCDONNELL, C. C. Insecticide names. Soap & Sanit. Chem. 29:127,129,131,137. Jan.1953. 307.8 So12
List prepared by Committee on Insecticide Terminology.

26006 MICHAELIS, P. Gesundheitsgefahren bei der schädlingsbekämpfung. Anz. f. Schädlingsk. 25:161-166. Nov.1952. 421 An9

26007 MULLER, O. Schutzmasken für die spritzarbeiten. Schweiz. Z. f. Obst- u. Weinbau 61:494-496. Nov.29,1952. 80 Sch9

26008 MURA, D., MEDDA, A., and QUESADA, A. Research and observations on the toxicity of DDT-naphtha. (Sum.) Soc. Ital. delle Sci. Vet. Atti. 5:271-273. 1951. 41.9 So17
Summaries also in Italian and French.

26009 PAOLERA, C. DELLA, and RETI, M. Lindane. Indus. y Quim. 14:180-183,190. Ref. Sept.1952. 385 In28

26010 POTTER, C., and LORD, K. A. The problem of the estimation of the insecticidal activity of pyrethrum by biological and chemical methods. Pyrethrum Post 3:12-19. Ref. July 1952. 421 P99

26011 RIEMSCHNEIDER, R., and SCHÖLZEL, E. Literatur zur HCH- und diën-gruppe. Liste III. Z. f. Angew. Ent. 33:600-649. (Cont.) Aug.1952. 421 Z36

26012 ROMEO V., S. Insecticidas. Col. Farm. 9 (115/116):8-15. Sept./Oct.1952. 396.8 R32
Chemistry.

26013 STEARNS, C. R., JR., and GRIFFITHS, J. T. Parathion contamination hazards to spray labor. Fla. Ent. 35:143-146. Dec.1952. 420 F662

26014 THOMAS, C. A., and others. Effects on plants of parathion applied to foliage for the destruction of greenhouse pests. I-II. Pa. Agr. Expt. Sta. B. 559,18 p. Oct.1951,i.e.1952. 100 P381
F. F. Smith, R. A. Fulton, and W. E. Blauvelt, joint authors.

26015 WEDDING, R. T., and METCALF, R. L. Translocation of systemic insecticides measured by radioactive tracers. Citrus Leaves 33:22,24. Jan.1953. 80 C492

26016 WEISSMAHR, J. DDT and its manufacture. (In Portuguese.) Química [Rio de Janeiro] 8:39-41. Apr.1952. 385 Q42

26017 WIEHL, E. F. Who pays if farm chemicals damage neighbor? Idaho Farmer 70:966,988. Dec.18, 1952. 6 G282
Legal aspects of aerial application.

26018 YEOMANS, A. H. Influence of particle size on application of insecticide sprays. Advn. Chem. Ser. 7:56-59. Aug.25,1952. 381 Ad93

APICULTURE AND APIS MELLIFERA

26019 AKHMEDOV, I. M., and KOBELEV, L. G. Experiment in artificial rearing of queens. (In Russian.) Pchelovodstvo 29(10):48-49. Oct.1952. 424.8 P295

26020 ALLEN, A. L. S. Bee-keeping with twenty hives. Petts Wood,Eng.,1952. 126 p. (A Bee Craft Book) 424 AL54

26021 APPEL, H. Warnung vor E 605. Leipzig. Bienenztg. 66:301-303. Nov.1952. 424.8 L53

26022 ARMBRUSTER, L. Bienenzucht - ob und wie? Ed. 2, rev. Freiburg,1952. 54 p. (Bücher des Archiv für Bienenkunde 1) 424 Ar5B

26023 BALABAN, V. Z. Horizontal or two-story hives? (In Russian.) Pchelovodstvo 29(9):23-24. Sept. 1952. 424.8 P295

26024 BALIURA, V. Utilization of honey flow at a leading apiary in Chernigov Region. (In Russian.) Pchelovodstvo 29(10):10-12. Oct.1952. 424.8 P295

26025 BARAS, A. Visites des ruches. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:167-169. Oct.1952. 424.9 Sy7

26026 BELDAME, R. L'apiculture moderne simplifiée par la ruche à étages-magasins Langstroth. Gaz. Apic. 53:362-363. Dec.1952. 424.8 G25

26027 BERNER, U. Züchtungsfragen und bienenweide. Deut. Bienenztg. 7:170-172. Nov.1,1952. 424.8 D488

26028 BLOCH, J. G. A propos des traitements antiparasitaires. Agriculture [Paris] 16:245-247. Oct. 1952. 14 Ag823
Legal aspects of damage to bees by sprays.

26029 BOSSET, J. C. Alimentation des abeilles et vitamines du complexe B. J. Suisse d'Apicult. 49:316-320. Nov.1952. 424.9 So1

26030 BÖTTCHER, F. K. Die betriebsweise der heideimker in modernen mobilbeuten. Nordwestdeut. Imkerztg. 4:390-395. Dec.1952. 424.8 N753

26031 BRAUN, E., and others. Etudes sur la production de graine de trêfle rouge. Abeille et l'Erable (ser.2) 21:143-144. (Cont.) Nov.1952. 424.8 Ab32
R. M. MacVicar, D. R. Gibson, and C. A. Jamieson, joint authors.
Apis mellifera as pollinators.

26032 BRIDGNELL, E. Indian bees. Bee Craft 34: 189. Dec.1952. 424.8 B3925
Apis dorsata, A. indica and A. florea.

26033 BRUSE, A. Eine schwarmverhinderungsbetriebsweise durch umkehren der brutwaben. Deut. Bienenztg. 7:154-155. Oct.1,1952. 424.8 D488

26034 BUTLER, C. G. Bees and their scents. Countryman [Burford] 46:262-268. Winter 1952. 281.28 C832

26035 CAILLET, R. La loque américaine ou loque maligne. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:170-176. Oct.1952. 424.9 Sy7

26036 CARR, C. M. Thrills for the beekeeper. Horticulture 30:465. Dec.1952. 80 H787

26037 CHAUVIN, R. Sur la claustration des ruches. Sol 71:368-370. 1952. 14 So4
For protection of bees during spraying of insecticides.

26038 CHEBOTNIKOVA, K. M. Honey yields of the principal honey plants in Eastern-Kazakhstan Region. (In Russian.) Pchelovodstvo 29(9):41-43. Sept.1952. 424.8 P295

26039 CHICHKINA, A. G. Two districts—two results. (In Russian.) Pchelovodstvo 29(7):10-14. July 1952. 424.8 P295
Apiculture.

26040 CLEMSON, A. A. Importation of queen bees from overseas. Agr. Gaz. N. S. Wales 63:590-591. Nov. 1952. 23 N472

26041 COORDES, H. Die biene im gesichtswinkel der entwicklungslehren. Nordwestdeut. Imkerztg. 4:397-399. Dec.1952. 424.8 N753

26042 CUTTS, N. A. Preparation of hives for transport. Agr. Gaz. N. S. Wales 63:528-530. Oct.1952. 23 N472

26043 DADANT, M. G. Today's outapiary. Amer. Bee J. 93:20-21. Jan.1953. 424.8 Am3

26044 DOHRN, E. Die Karnika-Hooge und ihre zucht. Leipzig. Bienenztg. 66:318-322. (Cont.) Nov. 1952. 424.8 L53

26045 DOLGOSHOV, V. I., and BLÍÛM, B. Shelterbelts and honey production. (In Russian.) Pchelovodstvo 29(9):36-39. Sept.1952. 424.8 P295

26046 DUBKOV, I. P. Beekeeping of a Red Banner district [Mervinskiĭ Raĭon, Rîâzan Region]. (In Russian.) Pchelovodstvo 29(7):9-10. July 1952. 424.8 P295

26047 DUNHAM, W. E. Two queen system for bees. Ohio Farm & Home Res. 37:94-95. Nov./Dec.1952. 100 Oh3S

26048 EDWARDS, S. W. Removing bees from box hives to modern equipment. Gleanings Bee Cult. 81:28-29,61. Jan.1953. 424.8 G47

26049 ENGELLANDER, B. Betriebsweise im Kuntzschzwilling. Imkerfreund 7:387-388. Dec.1952. 424.8 Im43

26050 EVENIUS. Wissenschaftliche insektenkunde und praktische bienenzucht. Nordwestdeut. Imkerztg. 4: 395-396. Dec.1952. 424.8 N753

26051 FEDOSEEVA, A. A. Innovations in apiculture. Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7: 31-32. July 1952. 20 D742
In Russian.

26052 FORISCOT, A. P. Una observación sobre la cera estampada y su utilización por las abejas. Avicult. Téc. 5:58-59. Aug.1952. 47.8 Av57

26053 FRASER, H. M. Die geschichte der bienenzucht in den ländern französischer zunge. Schweiz. Bienen-Ztg. 75:502-503. Nov.1952. 424.8 Sch9

26054 FROLOV, F. N. For further development of collective farm beekeeping. (In Russian.) Pchelovodstvo 29(7):6-9. July 1952. 424.8 P295

26055 FURMANÍÛK, and MEL'NICHUK, I. A. Nuclei—one of the methods for increasing honey production of honeybee colonies. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:93-97. 1951. 106 Um1

26056 GANKEVICH, K. M. Transporting honeybees to the honey flow. (In Russian.) Pchelovodstvo 29(8):9-16. Aug.1952. 424.8 P295

26057 GERCKE, A. Der kleine mann hat das wort. Nordwestdeut. Imkerztg. 4:387-389. Dec.1952. 424.8 N753
Apiculture.

26058 GOERITZ, W. Das nebenabteil. Hess. Biene 88:199-200. Nov.1952. 424.8 B476

26059 GONTARSKI, H. Die biene als honigbereiterin. Imkerfreund 7:344-345. Nov.1952. 424.8 Im43

26060 GONTARSKI, H. Biologische erkenntnisse als grundlagen der betriebweise. Südwestdeut. Imker 4:342-347. Nov.1952. 424.8 Su25
Apis mellifera breeding.

26061 GOOD, L. E. Beekeeping and the use of honey in the Christian era. Pa. Beekeeper 27(4):5-8. Dec.1952. 424.8 P38

26062 GOODERHAM, C. B. An anniversary and some reminiscences. Gleanings Bee Cult. 81:12-14. Jan.1953. 424.8 G47
History of apiculture in Canada.

26063 GORBACHEVA, A. D. On the construction of honeycombs without comb foundation. (In Russian.) Pchelovodstvo 29(10):47-48. Oct.1952. 424.8 P295

26064 GREMILLON, J. Les propos d'un grincheux. Gaz. Apic. 53:338-339. Nov.1952. 424.8 G25
Beehives.

26065 HANSEEN, E. Do the worker bees help the queen with the egglaying? (In Norwegian.) Birøkteren 38:171-172. Oct.1952. 424.8 B53

26066 HARNEY, W. Auf den spuren Gerstungs. Leipzig. Bienenztg. 66:306-308. Nov.1952. 424.8 L53
Apiculture.

26067 HAUMANN, A. K. Dichtung und wahrheit über die biene im klassischen altertum. Deut. Bienenztg. 7: 174-175. Nov.1,1952. 424.8 D488

26068 HEGGEN, P. M. Colony size in relation to honey production. Amer. Bee J. 93:12. Jan.1953. 424.8 Am3

26069 HEROLD, K. Giftschäden 1952, vorarbeit für 1953. Imkerfreund 7:384-386. Dec.1952. 424.8 Im43

26070 HESSBERG, H. V. Zum hochzeitsflug. Deut. Bienenztg. 7:145-148. Oct.1,1952. 424.8 D488

26071 HODGES, D. The pollen loads of the honeybee; a guide to their identification by colour and form. London,Bee Res. Assoc.,1952. 51 p. Ref. 424 H66

26072 HOEGGER, H. Bericht über die 74. wanderversammlung des VDSB vom 6./7. September 1952 in Davos. Schweiz. Bienen-Ztg. 75:478-483. Nov.1952. 424.8 Sch9

26073 HOLZBERLEIN, J. W., JR. When is a bee location overstocked? Amer. Bee J. 93:22-23. Jan.1953. 424.8 Am3

26074 HUBBE, W. Die krallenglieder der biene. Deut. Bienenztg. 7:153. (Concl.) Oct.1,1952. 424.8 D488

26075 HUMMEL, A. Was ist zur uberwinterung der bienen vorteilhafter? Zucker oder honig. Südwestdeut. Imker 4:354. Nov.1952. 424.8 Su25

26076 HUNKELER, M. Rassenzucht oder leistungszucht. Schweiz. Bienen-Ztg. 75:484-486. Nov.1952. 424.8 Sch9

26077 JEDER imker ist ein landschaftspfleger! Imkerfreund 7:346-351. Nov.1952. 424.8 Im43

26078 JOHNSEN, P. Pestox III and bees. Bee World 34:8-9. Jan.1953. 424.8 B399

26079 KABYCHKIN, A. I. Breeding work at our apiary. (In Russian.) Pchelovodstvo 29(9):19-21. Sept. 1952. 424.8 P295

26080 KALMUS, H. and RIBBANDS, C. R. The origin of the odours by which honeybees distinguish their companions. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140: 50-59. Ref. Aug.27,1952. 501 L84B

26081 KAREGIN, A. Pytalov District [Pskov Region]—leading in the development of apiculture. (In Russian.) Pchelovodstvo 29(9):27-29. Sept.1952. 424.8 P295

26082 KESSELL, A. Evicting bees from houses. West. Austral. Dept. Agr. J. (ser.3)1:673-675. Sept./Oct. 1952. 23 W52J

26083 KISELEV, N. V. From the practices of the apiary on Rodina Il'icha Collective Farm [Ulyanovsk District]. (In Russian.) Pchelovodstvo 29(8):3-6. Aug. 1952. 424.8 P295
Colony management.

26084 KLEBER, C. La ruche "Langstroth." Cour. Apic. Franç. 5:83-85. Nov./Dec.1952. 424.8 C832

26085 KNIE, A. Die zehrung des bienenvolkes durch den winter. Imkerfreund 7:355-356. Nov.1952. 424.8 Im43

26086 KOFER, H. Uberwinterung auf lärchenhonig. Imkerfreund 7:382-383. Dec.1952. 424.8 Im43

26087 KOSHKIN, N. Paper padding for keeping hives warm. (In Russian.) Pchelovodstvo 29(9):47-48. Sept. 1952. 424.8 P295

26088 KOVTUN, F. N. On the productivity of multiqueen colonies. (In Russian.) Pchelovodstvo 29(7):52-53. July 1952. 424.8 P295
Colony management.

26089 KRASNOPEEV, M. Z. How to feed honeybees in the wintertime in the open. (In Russian.) Pchelovodstvo 29(10):46. Oct.1952. 424.8 P295

26090 KRAUSS, J. Pflanzenschutz und bienenzucht. Imkerfreund 7:351-352. Nov.1952. 424.8 Im43

26091 KUDRÍAVTSEVA, L. On two-story maintenance of honeybees in Chuvash ASSR. (In Russian.) Pchelovodstvo 29(9):21-22. Sept.1952. 424.8 P295

26092 KÜGELGEN, P. K. Bienenzucht in Korea. Imkerfreund 7:360-361. (Cont.) Nov.1952. 424.8 Im43

26093 KUPPERS, A. Werden königinnen mehrmals begattet? Deut. Bienenztg. 7:173-174. Nov.1,1952. 424.8 D488

26094 LAÏOK, V. D. For Kara-Kalpak beekeeping—socialist tempos of development. (In Russian.) Pchelovodstvo 29(9):29-30. Sept.1952. 424.8 P295

26095 LANGENMAIR, L. Gebt lehrstellen frei! Südwestdeut. Imker 4:355. Nov.1952. 424.8 Su25

26096 LAN'KO. Multiplace box for shipping queens. (In Russian.) Pchelovodstvo 29(10):49-51. Oct.1952. 424.8 P295

26097 LEVENETS, I. P. Strength of colonies, their wintering and productivity. (In Russian.) Pchelovodstvo 29(8):27-29. Aug.1952. 424.8 P295

26098 LEVENETS, I. P., and IAKONCHUK, F. L. Wintering of honeybees among the leading beekeepers in Orlov Region. (In Russian.) Pchelovodstvo 29(9):6-10. Sept.1952. 424.8 P295

26099 LEVIN, M. D., and KNOWLTON, G. F. Information on beekeeping literature. Utah. State Agr. Col. Ext. Mimeog. Ser. 84,4 p. Apr.1952. 275.29 Ut1Ms

26100 LÍASHCHENKO, E. Method of forming nuclei with flying honeybees in horizontal hives. (In Russian.) Pchelovodstvo 29(9):48-49. Sept.1952. 424.8 P295

26101 LINCOLNSHIRE BEEKEEPERS' ASSOCIATION. The relationship of honeybees and seed production. Heckington,Lincolnshire Co.,Eng.,Lincolnshire Seed Growers' Assoc.,1951? 8 p. 463.38 L63

26102 LINDAUER, M. Beziehungen zwischen wasserbedarf und temperaturregulierung im bienenstock. Schweiz. Bienen-Ztg. 75:487-489. Nov.1952. 424.8 Sch9

26103 LOEWEL, E. L, WEISSENBORN, K., and SPIESS, K. Verlief die in diesem jahr zum erstenmal empfohlene spritzung während der apfelblüte gefahrlos für die bienen? Obstbauversring. Mitt. 7:190-194. Ref. Oct.1952. 85 J76

26104 LOSHKAREV, A. T. Do not allow honeydew in the winter [as feed for honeybees]. (In Russian.) Pchelovodstvo 29(10):16-17. Oct.1952. 424.8 P295

26105 MADATOV, R. I. Treatment of European foulbrood with disulfan. (In Russian.) Pchelovodstvo 29(8): 46-47. Aug.1952. 424.8 P295

26106 MANNING, F. J. The cytogenetics of the honey bee. Microscope 9:93-98. Nov./Dec.1952. 440.8 M584

26107 MANNING, F. J. Sex determination in the honey bee. Evolution 6:443. Dec.1952. 443.8 Ev62

26108 MARSON, J. E. The preparation of microslides of the honeybee. II. Dissection and mounting of parts. Bee World 34:4-7. Jan.1953. 424.8 B399

26109 MATHIS, M. Le peuple des abeilles. Ed. 7. Paris, Presses Universitaires de France, 1952. 134 p. Ref. (Que Sais-Je? Le Point des Connaissances Actuelles 6) 424 M42

26110 MIHELIC, S. The modern AZ-hive, the window. (In Slovenian.) Slovenski Čebelar 54:205-207. Oct.15, 1952. 424.8 SL5

26111 MILNE, P. S. Foul brood in England and Wales, 1942-51. Brit. Bee J. 80:760-761. (Cont.) Nov.29,1952. 424.8 B77

26112 MILTIADES, C. Honey harvesting. Countryman [Nicosia] 6(9):6-7. Sept.1952. 25 C83

26113 MOOSMAN, C. W. Serving locations by air. Amer. Bee J. 93:26-27. Jan.1953. 424.8 Am3

26114 NEISHTADT, M. I. Pollen analysis of honey. (In Russian.) Priroda 41(9):109-113. Ref. Sept.1952. 410 P933

26115 NEMTSEV, I. E. My work at an apiary [in Altai Territory]. (In Russian.) Pchelovodstvo 29(10):12-13. Oct.1952. 424.8 P295

26116 NESTERVODSKII, V. A. Work of honeybees and honey production in shaded and unshaded beehives. (In Russian.) Pchelovodstvo 29(7):28-30. July 1952. 424.8 P295

26117 NEWALD, E. Die wachswirtschaft der österr. bienenzucht. Österr. Imker 2:189-195. Nov.1952. 424.8 Os7

26118 NIXON, H. L., and RIBBANDS, C. R. Food transmission within the honeybee community. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140:43-50. Ref. Aug. 27,1952. 501 L84B

26119 NOLD, R. Versuche mit frühzuchtköniginnen. Hess. Biene 88:194-195. Nov.1952. 424.8 B476

26120 OREKHOV, V. Automatic feeder [for honeybees]. (In Russian.) Pchelovodstvo 29(7):56. July 1952. 424.8 P295

26121 ORLOV, M. F. On queen rearing with a repeated grafting of larvae. (In Russian.) Pchelovodstvo 29(7):31-32. July 1952. 424.8 P295

26122 PARKER, R. L. Growth of the beekeeping industry of midwestern United States. Gleanings Bee Cult. 81:46-48. Jan.1953. 424.8 G47

26123 PATERSON, C. R. Queen excluders and their use in apiary management. New Zeal. J. Agr. 85:397-398. Nov.15,1952. 23 N48J

26124 PATTON, R. T. Forecasting honey flows. Austral. Bee J. 33:159-161. Oct.1952. 424.8 V66

26125 PISHCHIKOV, E. F. How I obtain an annual stable honey yield. (In Russian.) Pchelovodstvo 29(8): 7-9. Aug.1952. 424.8 P295
Colony management.

26126 PISKOVOI, F. R. Treatment of foulbrood honeybee colonies with "sultsimid" and sulfanthrol. (In Russian.) Pchelovodstvo 29(7):47-50. July 1952. 424.8 P295

26127 RAEVSKII, D. V. Dmitriev one-year school for beekeepers. (In Russian.) Pchelovodstvo 29(10):40-43. Oct.1952. 424.8 P295

26128 RAUTENBERG, H. J. Beobachtungen zur schwarzkrankheit (waldkrankheit) und zur wirkung von lachgas auf schwarzkranke bienen. Deut. Bienenztg. 7: 148-153,163-166. Oct.1-Nov.1,1952. 424.8 D488

26129 REINHARDT, J. F. Some responses of honey bees to alfalfa flowers. Amer. Nat. 86:257-275. Ref. Sept./Oct.1952. 470 Am36

26130 RENTROP, E. Bericht über die 74. delegierten- und wanderversammlung des Vereins Deutsch-Schweizerischer Bienenfreunde am 6./7. September in Davos. Leipzig. Bienenztg. 66:311-312. Nov.1952. 424.8 L53

26131 RENTROP, E. Bericht über die 74. delegierten- und wanderversammlung des Vereins Deutsch-Schweizerischer Bienenfreunde am 6./7. September 1952 in Davos. Südwestdeut. Imker 4:352-353. Nov.1952. 424.8 Su25

26132 RHEIN, W. VON. Uber die duftlenkung der bienen beim raps im jahre 1952 und ihre ergebnisse. Hess. Biene 88:192-194. (Cont.) Nov.1952. 424.8 B476

26133 RIBBANDS, C. R. Division of labour in the honeybee community. Roy. Soc. London Proc. Ser. B, Biol. Sci. 140:32-43. Ref. Aug.27,1952. 501 L84B

26134 RIHAR, J. The wintering and dysentery of bees. (In Slovenian.) Slovenski Čebelar 54:209-211. Oct.15,1952. 424.8 SL5

26135 RIS, H., and KERR, W. E. Sex determination in the honey-bee. Evolution 6:444-445. Dec.1952. 443.8 Ev62

26136 ROBINSON, D. Preparation for showing wax. Yorkshire Beekeeper 3:84. Nov.1952. 424.8 Y8

26137 RODZIN, V. A. Effect of odors on wintering of honeybees. (In Russian.) Pchelovodstvo 29(9):45-47. Sept.1952. 424.8 P295

26138 ROUSSY, L. Le travail de la propolis par l'abeille ouvrière. Gaz. Apic. 53:323-324,343. Nov.1952 424.8 G25

26139 RUITER, J. DE. Model for an efficient mating hive. (In Dutch.) Maandschr. v. Bijenteelt 54:197. Dec. 1952. 424.9 V58

26140 RUITER, J. DE. Our queen mating stations. (In Dutch.) Maandschr. v. Bijenteelt 54:184-185. Dec. 1952. 424.9 V58

26141 RYMASHEVSKAIA, R. S. Work of honeybees on alfalfa blossoms. (In Russian.) Pchelovodstvo 29(8): 42-43. Aug.1952. 424.8 P295

26142 SAKHAROV, M. K. Training honeybees for the honey production. (In Russian.) Pchelovodstvo 29(7):24-28. July 1952. 424.8 P295

26143 SAMOSADOVA, K. Elimination of periods which have no honey flows. (From the practices of Stalin Collective Farm in Salsk District, Rostov Region). (In Russian.) Pchelovodstvo 29(9):33-36. Sept.1952. 424.8 P295

26144 SANDRUD, L. Harvesting of pollen frames. (In Norwegian.) Birøkteren 68:158-159. Oct.1952. 424.8 B53

26145 SCHEFFLER. L'unité biologique d'une colonie d'abeilles. Rucher Wallon 14:147-149. Oct./Nov. 1952. 424.8 R824

26146 SCHUA, L. Vom sinn des vorspiels. Imkerfreund 7:375-379. Dec.1952. 424.8 Im43
With comment by E. Herold.

26147 SCHUBERT, A. Das grosse rätsel um die honigtaubildung. Deut. Kleintier-Züchter 7(22):4. Nov.20, 1952. 49 D483

26148 SCHUBERT, A. Zur königinnen-erneuerung. Deut. Bienenztg. 7:169-170. Nov.1,1952. 424.8 D488

26149 SHISHIKIN, E. A. New method of forming nurse colonies in queen rearing. (In Russian.) Pchelovodstvo 29(8):22-26. Aug.1952. 424.8 P295

26150 SHLOMAI, S. The cause of poor honey yields. (In Hebrew.) Hassadeh 33:50-51. Oct.1952. 26 H27

26151 SMELLIE, E. Importance of good bee combs. New Zeal. J. Agr. 85:329,331,333. Oct.15,1952. 23 N48J

26152 SOBOLEVA, E. M. Honeybees and yields of alfalfa seeds. (In Russian.) Pchelovodstvo 29(8):39-41. Aug.1952. 424.8 P295

26153 SPIELMANN, O. Zum erntebericht 1952. Schweiz. Bienen-Ztg. 75:474-475. Nov.1952. 424.8 Sch9

26154 STABEJ, J. Glavar's "Discussion on bee swarms." (In Slovenian.) Slovenski Čebelar 54:202-203. (Concl.) Oct.15,1952. 424.8 SL5

26155 STRICKER, M. H. How to sell pollination service. Amer. Bee J. 93:13-14. Jan.1953. 424.8 Am3

26156 STUTE, K. Untersuchungsergebnisse über die bienenschäden 1952. Deut. Kleintier-Züchter 7(23):9-10. Dec.5,1952. 49 D483
Toxicity of economic poisons to bees.

26157 SUPRÍAGA, D. For progressive socialist beekeeping in Tatar ASSR. (In Russian.) Pchelovodstvo 29(9):25-27. Sept.1952. 424.8 P295

26158 TARANOV, G. F. More extensive introduction of two-story management of honey bee colonies. (In Russian.) Pchelovodstvo 29(7):14-24. July 1952. 424.8 P295

26159 TARANOV, G. F. Strong colonies—basis of highly productive beekeeping. (In Russian.) Pchelovodstvo 29(10):52-57. Oct.1952. 424.8 P295

26160 TARASOV, G. V., and SVIRIDOV, M. I. Utilization of half-frames for wintering [of honeybees]. (In Russian.) Pchelovodstvo 29(9):13-15. Sept.1952. 424.8 P295

26161 TAYLOR, F. Cent millions d'abeilles à louer. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8: 185-188. Oct.1952. 424.9 Sy7

26162 TEMNOV, V. A. Quality of honey and wintering of honeybees. (In Russian.) Pchelovodstvo 29(9):10-13. Sept.1952. 424.8 P295
Honeydew as feed.

26163 TERESHCHENKO, M. S. On educational and practical training in beekeeping. (In Russian.) Pchelovodstvo 29(10):33-40. Oct.1952. 424.8 P295

26164 TSVETKOV, I. P. Preparation of honeybees for wintering at the leading collective farm apiaries. (In Russian.) Pchelovodstvo 29(8):17-21. Aug.1952. 424.8 P295

26165 TUSCHHOFF, O. Ubertrifft ein grosses rahmenmass ein kleines im ertrag? Leipzig. Bienenztg. 66:303-306. Nov.1952. 424.8 L53

26166 TUSCHHOFF, O. Zucht im 1 tag weisellosen volk. Deut. Bienenztg. 7:166-169. Nov.1,1952. 424.8 D488

26167 UŠAJ, J. Selection of site for apiary. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):18. Sept.1952. 21.5 V87

26168 VAGIN, I. We're eradicating foulbrood diseases of honeybees. (In Russian.) Pchelovodstvo 29(7): 39-44. July 1952. 424.8 P295

26169 VEZIS, IA. M. A frame-incubator for keeping queens. (In Russian.) Pchelovodstvo 29(9):51-52. Sept. 1952. 424.8 P295

26170 VINOKUROVA, K. K., and SANKIN, N. I. On beekeeping work of the leading agronomists in Moscow Region. (In Russian.) Pchelovodstvo 29(8):34-37. Aug. 1952. 424.8 P295

26171 VIRMAŠAN. Loss of queen bees. (In Slovenian.) Slovenski Čebelar 54:207-208. Oct.15,1952. 424.8 SL5

26172 WEDMORE, E. B. More about swarm control. Brit. Bee J. 80:742-743. Nov.22,1952. 424.8 B77

26173 WEIR, J. R. Pollination and the bee. Canad. Bee J. 60(12):10-13,16-17. Dec.1952. 424.8 C16

26174 WICHT, W. W. Finding and establishing locations. Amer. Bee J. 93:24-25. Jan.1953. 424.8 Am3

26175 WILLIAMS, T. P. J. Increasing the number of colonies in an apiary. New Zeal. J. Agr. 85:441-442. Nov.15,1952. 23 N48J

26176 WISSE, C. L. Artificial heating of beehives. (In Dutch.) Maandschr. v. Bijenteelt 54:186-187. Dec. 1952. 424.9 V58

26177 WOHLGEMUTH. 25 jahre Niedersächsisches Landesinstitut für Bienenforschung Celle. Hannoversche Land- u. Forstwirt. Ztg. 105:1113. Nov.1,1952. 18 H194

26178 WOODS, H. G. Hive carrying made easy. Brit. Bee J. 80:712-713. Nov.8,1952. 424.8 B77

26179 WYKES, G. R. The preferences of honeybees for solutions of various sugars with occur in nectar. J. Expt. Biol. 29:511-519. Ref. Dec.1952. 442.8 B77

26180 ZAÏCHIKOV, N. E. Protection of honeybees from every disturbance during the winter period. (In Russian.) Pchelovodstvo 29(9):15-17. Sept.1952. 424.8 P295

26181 ZIABKIN, A. S., and POLTEV, V. I. Treatment of European foulbrood with penicillin. (In Russian.) Pchelovodstvo 29(7):44-47. July 1952. 424.8 P295

ARACHNIDA, MYRIAPODA, ETC.

26182 ATTEMS, K. GRAF VON. Revision systematique des Colobognata (Myriapodes Diplopodes) et description d'espèces nouvelles. Paris, Editions du Muséum, 1951. p.194-231. (Paris. Museum National d'Histoire Naturelle. Mémoires. n.s. Ser. A, Zoologie, t. 3, fasc.3) 433 At8R
Includes new super family Pedinozonia, new genera Rhaphonotum, Megaclia, Metriozonium, Siphonophorella, Linozonium, Gonatotrichus, Pterozonium; new species in Symphyopleurium, Orsiboe, and Rhinosiphora.

26183 BEIER, M. Ergebnisse der Osterreichischen Iran-Expedition 1949/50. Pseudoscorpione und Mantiden. Nathist. Mus. in Wien. Ann. 58:96-102. 1951. 410.9 V672
Includes new species in Roncus, Minniza and Dactylochelifer.

26184 BEIER, M. Die Pseudoscorpione Indochinas. Paris,1951. p.48-123. (Paris. Muséum National d'Histoire Naturelle. Mémoires. n. s. ser. A, Zoologie, t. 1, fasc. 2) 434 B39
Includes new species in Ditha, Compsaditha, Tyrannochthonius, Microcreagris, Sternophorus, Paratemnus, Stenatemnus, Tullgrenius, Microchernes n.g., Megachernes, Hyperwithius n.g., Ancistrochelifer n.g., Amaurochilifer n.g., and Lophochernes.

26185 BERGER, G. L'acariose bronzée; son traitement. Chambre d'Agr. de Casablanca. B. 23(259):3,5-7,9. Nov.1952. 24 C26
Phytoptus lycopersici and Eriophyes destructor on tomatoes.

26186 CAMIN, J. H. Observations on the life history and sensory behavior of the snake mite, Ophionyssus natricis (Gervais). Ohio. State U. Abs. Doct. Diss. 63: 27-31. 1952. 241.8 Oh3

26187 CASSAMAGNAGHI, A. Las endoparasitosis de nuestras especies domésticas: acariosis de las vías respiratorias de "Serinus canarius" L. por "Sternostoma tracheacolum," Lawrence 1948. Uruguay. Dir. de Ganad. B. Mens. 33:80-90. Ref. Apr./June 1952. 41.9 Ur8

26188 CROWELL, R. M. New records of rheophilic water-mites [Hydracarina] from northwestern North Carolina. Elisha Mitchell Sci. Soc. J. 68:191-194. Dec. 1952. 500 EL4

26189 DAVIES, M. E., and EDNEY, E. B. The evaporation of water from spiders. J. Expt. Biol. 29:571-582. Ref. Dec.1952. 442.8 B77

26190 DAVIS, G. E. The relapsing fevers: tick-[Ornithodoros] spirochete specificity studies. Expt. Parasitol. 1:406-410. Nov.1952. 436.8 Ex7

26191 DENIS, J. Zodariides recueillis au Maroc et en Mauritanie par M. L. Berland. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 41:58-63. July/Dec.1950,pub.1952. 410.9 So125
Includes new species in Acanthinozodium and Zodarium.

26192 DUBININ, V. B. Causes for the absence of feather mites [Analgesidae] on some present-day birds. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):30-34. Ref. 1952. 511 M85

26193 ENDE, M., and YOUNGBLOOD, W. The use of myansin (Tolserol) in black widow spider [Latrodectus mactans] bite. Va. Med. Mon. 80:24-25. Jan.1953. 448.8 V59

26194 FELDMAN-MUHSAM, B. On the identity of Rhipicephalus sanguineus Lat. Israel. Res. Council. B. 2:187-194. Ref. Sept.1952. 330.9 Is72B

26195 FONSECA, F. DA, and ARAGÃO, H. Notes on Ixodidae. II-IV. (In Portuguese.) Inst. Oswaldo Cruz. Mem. 50:713-731. Mar.1952. 448.9 In74
English summary.
On Amblyomma and Ixodes, including new species.

26196 GABE, M. Sur l'emplacement et les connexions des cellules neuro-sécrétrices dans les ganglions cérébroïdes de quelques chilopodes. Acad. des Sci. Compt. Rend. 235:1430-1432. Dec.1,1952. 505 P21

26197 GALLEGO ECHEVERRI, J. Breves apuntes de divulgación sobre garrapata. Soc. Antioqueña de Agr. B. Agr. 390:3653-3693. Oct.1952. 9.4 So1

26198 GRAHAM, J. An introduction to spiders. (Sum.) Glasgow Nat. 17:42-44. 1951. 472 G46
Great Britain.

26199 HARRISON, I. R. Pediculopsis sp.—a mite found on Acidanthera and Gladiolus corms. Plant Path. 1:119-120. Dec.1952. 464.8 P692

26200 HIRSCHFELDER, H., and SACHS, H. Recent research on the acarine mite. Bee World 33:201-208. Dec.1952. 424.8 B399
Acarapis woodi.

26201 HOFFMANN, A. Contribuciones al conocimiento de los Trombiculidos mexicanos. 5. Ciencia 12: 87-94. Aug.15,1952. 475 C48
Includes new species in Trombicula.

26202 HUGHES, A. M. A new glycyphagid mite—Carpoglyphus munroi. Linn. Soc. London. J. Zool. 42: 168-175. July 16,1952. 410.9 L64

26203 HUGHES, R. D., and GOODE, C. O. Observations on speciation in anoetid mites. (Abs.) Va. J. Sci. (n.s.)3:293-294. Sept.1952. 470 V81
Histiostoma.

26204 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. DEPT. OF ENTOMOLOGY. Control of mites on ornamentals. Purdue U. Agr. Ext. Mimeog. E-42,2 p. Apr.1952. 423.9 In22

26205 JONCHÈRE, H., PFISTER, R., and RIDET, J. Fièvre exanthématique du groupe typhus a tiques a Bobo-Dioulasso (Haute-Volta). Soc. de Path. Exot. B. 45:626-632. 1952. 448.9 So13

26206 KRASIKOVA, N. S. Granary mites of Tomsk Region and measures for controlling them. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:279-284. Ref. 1951. 511 T59

26207 LAL, M. B., and KANUNGO, M. S. Invertase in Palamnaeus bengalensis. Science 117:57-58. Jan.16, 1953. 470 Sci2

26208 LALATTA, F. Experiments in the control of red spider [Metatetranychus ulmi] of apples. (In Italian.) Riv. di Frutticolt. 14:159-166. Oct.1952. 80 R52
English summary.

26209 LAWRENCE, R. F. A collection of cavernicolous and termitophilous Arachnida from the Belgian Congo. Rev. de Zool. et de Bot. Africaines 46:1-17. Aug.22,1952. 410 R326

26210 LAWRENCE, R. F. Variation in the leg-numbers of a South African millipede, Gymnostreptus pyrrocephalus C. Koch. Ann. & Mag. Nat. Hist. (ser.12)5: 1044-1051. Ref. Dec.1952. 410 An77

26211 LINKE, W. Investigation of the biology and the epidemiology of the common red spider, Tetranychus althaeae v. Hanst. Höfchen-Briefe 5:19-20. 1952. 464.8 H67

26212 MARLE, G. S. VAN. Spintbestrijding met moderne insecticiden in de Aalsmeerse bloementeelt. The control of red spider [Tetranychus] with modern insecticides in the Aalsmeer flower-growing industry. Wageningen. Inst. v. Plantenziektenk. Onderz. Meded. 18, 127 p. Ref. 1951? 464.9 W123
English summary.

26213 MENZIES, G. C., and STRANDTMANN, R. W. A new species [Hypoaspis dasypus] of mite taken from nest of Armadillo (Acarina Laelaptidae, Hypoaspinae). Ent. Soc. Wash. Proc. 54:265-269. Dec.1952. 420 W27

26214 MEYER, J. Rapports entre l'évolution cytologique du tissu nourricier d'Eriophyes macrorhynchus Nal. et la biologie de l'Acarien. Acad. des Sci. Compt. Rend. 235:1545-1547. Dec.10,1952. 505 P21

26215 MILLER, L. W., and DILLON, K. W. N. The strawberry mite [Tarsonemus pallidus] a new pest of strawberries in Tasmania. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:286-290. Nov.1952. 23 T182T

26216 PARFENOV, A. T. Bud gall mite - new predator in the nursery. (In Russian.) Sad i Ogorod 10: 77-78. Oct.1952. 80 Sa13

26217 PARKER, R. R., and others. The recovery of strains of Rocky Mountain spotted fever and tularemia from ticks of the eastern United States. J. Infect. Dis. 91: 231-237. Nov./Dec.1952. 448.8 J821
J. F. Bell, W. S. Chalgren, F. B. Thrailkill, and M. T. McKee, joint authors.

26218 PARROTT, A. W. The banana spider (Heteropoda venatoria Linn.) recorded from New Zealand. New Zeal. Sci. Rev. 10:129-130. Aug.1952. 475 N48

26219 PORTER, J. C., and STRANDTMANN, R. W. Nasal mites of the English sparrow. Tex. J. Sci. 4:393-399. Sept.30,1952. 470 T31

26220 RAO, G. N. Schizotetranychus andropogoni Hirst, a pest of sugarcane. Cur. Sci. 21:163-164. June 1952. 475 Sci23

26221 REMY, P. A. Contribution a la faune endogée du Maroc. Pauropodes. Soc. des Sci. Nat. du Maroc. B. 31:41-51. First Semes.1951,pub.1952. 515 So1

26222 ROESLER, R. The gooseberry mite (Bryobia praetiosa Koch) in the Palatinate. Höfchen-Briefe 5:15-18. 1952. 464.8 H67

26223 ROTH, V. D. Notes and a new species in Cybaeina (Arachnida: Agelenidae). Pan-Pacific Ent. 28: 195-201. Oct.1952. 421 P193

26224 SAIZ MORENO, L. Los parasitos externos más importantes de las gallinas y medios de luchar contra ellos; las Argas o chinchorros. Ceres [Valladolid] 17(196):47. Oct.1,1952. 15 C33

26225 STAHNKE, H. L. Some scorpion anomalies. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:104. Oct.1952. 500 C717

26226 STELLWAAG, F. Bekämpfung der roten spinne [Metatetranychus ulmi]. Hess. Obstbau 7:42-43. Mar.1952. 80 G1932

26227 SUMMERS, F. M., and HOLMBERG, D. M. Davis men discuss problem of controlling mites on almonds. Almond Facts 17(6):15. Nov./Dec.1952. 280.28 AL62
Bryobia praetiosa.

26228 TANCO GUERRA, C. La lucha contra la garrapata: el uso de aparatos, en vez de bañaderos. Uruguay. Min. de Ganad. y Agr. B. Inform. 433:12. Sept. 18,1952. 9.9 G15B

26229 TIMLIN, J. S. A pest [Scutigerella imaculata] of glasshouse tomatoes. New Zeal. Sci. Rev. 10:106. July 1952. 475 N48

26230 TUZET, O., MANIER, J. F., and VOGELI-ZUBER, M. Sur quelques parasites intestinaux de Mardonius piceus Attems 1952, Myriapode-Diplopode de Daloa (Côte d'Ivoire). Inst. Franç. d'Afrique Noire. B. 14:1143-1151. Ref. Oct.1952. 515 D14

26231 WEHR, E. E. Dermoglyphus elongatus (Mégnin, 1877), a quill mite of the house canary in the United States. J. Parasitol. 38:548-549. Dec.1952. 448.8 J824

COLEOPTERA

26232 ALLEN, A. A. Lathridius norvegicus A. Strand (Col., Lathridiidae) rediscovered: an addition to the British list. Ent. Mon. Mag. 88:282-283. Dec.1952. 421 En86

26233 ANTOINE, M. Notes d'entomologie marocaine LV. Soc. des Sci. Nat. du Maroc. B. 31:103-119. First Semes.1951,pub.1952. 515 So1
Includes new species in Taeniapaussus, Dyschirius, Pristonychus, Pachychila, Dilamus, Probaticus, and Diplocyrtus.

26234 ARENZ, B., and SCHROPPEL, H. Uber die auswirkung einer cyanamidernährung von kartoffelpflanzen auf den besatz mit kartoffelkäferlarven. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:334-339. Sept./Oct.1952. 464.8 Z3
English summary.

26235 ATANACKOVIĆ, S. Le doryphore [Leptinotarsa decemlineata] en Yougoslavie en 1951. (In Serbo-Croatian.) Zaštita Bilja 9:83-89. 1952. 464.8 Z1
French summary.

26236 AUBER, L. Description d'un Scarabéide nouveau de la région saharienne (Col. Scarabaeidae). Soc. Ent. de France. B. 57:126-128. 1952. 420 F84B
Scarabeus janssensianus.

26237 BALACHOWSKY, A. S. Sur la présence de Ips acuminatus Gyll. (Col. Scolytoidea) dans la forêt de Rambouillet. Rev. de Path. Vég. et d'Ent. Agr. de France 31:134-135. 1952. 464.9 So1

26238 BASILEWSKY, P. Contribution à l'étude du peuplement de la Mauritanie. Coléoptères, Carabidae. Inst. Franç. d'Afrique Noire. B. 14:1170-1190. Ref. Oct.1952. 515 D14

26239 BASILEWSKY, P. Les Bostrychides du Congo Belge (Coleoptera Cucujoidea). Rev. de Zool. et de Bot. Africaines 46:81-150. Aug.22,1952. 410 R326

26240 BASILEWSKY, P. Un Lucanide nouveau du Ruanda. Rev. de Zool. et de Bot. Africaines 46:35-40. Aug.22,1952. 410 R326
Dendezia renieri n. g., n. sp.

26241 BASSOLS, I., and BARRERA A., A. Notas sobre larvas. II. "Calendra callosa" (Olivier), 1807, nueva plaga del maiz en Mexico. Fitófilo 6(6):32-42. May/June 1952. 421 F55
English summary.

26242 BERGER, G. Altise de la vigne [Haltica lythri ampelophaga]; sur la possibilité de destruction des oeufs. Terre Marocaine 26:445-446. Nov.1952. 24 T44

26243 BLUMENTHAL, C. L. Sammeltagebuch Russland 1942. Ent. Bl. 47/48:138-142. 1951/52. 421 En833
Coleoptera.

26244 BOHM, O. Der "falsche kohlerdfloh" (Haltica oleracea L.) als schädling an wein. Pflanzenschutzberichte. 9:153-154. Nov.1952. 464.9 P48
English summary.

26245 BREAKEY, E. P., BRANNON, D., and EIDE, P. M. Control of strawberry root weevils [Brachyrhinus ovatus]. Wash. State Col. Ext. C. 169,rev.,4 p. Nov. 1952. 275.29 W27C

26246 BREUNING, S. Quatre lamiaires nouveaux du Congo Belge (Col. Cerambycidae). Rev. de Zool. et de Bot. Africaines. 46:168-170. Aug.22,1952. 410 R326
Includes new species in Monochamus, Apomecyna and Eunidia.

26247 BUCK, F. D., and WEAL, R. D. Notes on the pupation of Prionychus ater F. (Col. Alleculidae). Ent. Gaz. 3:184. Oct.1952. 421 En834

26248 BUHL, C. Der grosse kohltriebrüssler (Ceuthorrhynchus napi Gyll.), ein bisher im Glückstädter gemüseanbaugebiet unbekannter schädling. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:326-334. Sept./Oct.1952. 464.8 Z3
English summary.

26249 BUKASOV, S. M. Selection of potatoes that are resistant to the Colorado beetle [Leptinotarsa decemlineata]. (In Russian.) Vsesoiuzn. Inst. Rastenievod. Trudy po Prikl. Bot. Genet. i Selek. 29:71-76. 1951. 451 R92

26250 CANN, J. J. The beetle battle, a fight for survival in Mississippi. South. Lumberman 185(2321):150-153. Dec.15,1952. 99.81 So82
Dendroctonus frontalis.

26251 CARROLL, J. Eelworm and insect pests. V. Beetles and beetle larvae. Agr. Ireland 9:268-269. Dec. 1952. 10.5 Ag8

26252 CHILE. DEPT. DE SANIDAD VEGETAL. El gusano blanco [Scarabaeidae]. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.258-260. Temuco,1952. 27 C7655

26253 CHRESTIAN, P. Résultats acquis dans la lutte contre le capnode [Capnodis tenebrionis]. Fruits et Primeurs de l'Afrique du Nord 22:376-381. Ref. Oct. 1952. 80 F9482

26254 CLARK, J. A. The Japanese beetle [Popillia japonica] in Indiana. Ind. Acad. Sci. Proc. 61:145-147. 1951,pub.1952. 500 In2

26255 COMMISSION CONSULTATIVE ROMANDE ET TESSINOISE POUR LA LUTTE CONTRE LE HANNETON. Le hanneton et le ver blanc; nouveaux enseignements, nouveaux procédés de lutte. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:73-84. Oct.1952. 17 J82A
Melolontha melolontha.

26256 COURTY, C. Sur la lutte contre le Capnodis tenebrionis. Acad. d'Agr. de France. Compt. Rend. 39: 654-656. Ref. Nov.5/12,1952. 14 P215Bc

26257 DAVID, P. Notes sur divers Chrysochloa français (Col. Chrysomelidae). Soc. Ent. de France. B. 57:109-111. 1952. 420 F84B

26258 DESCARPENTRIES, A., and LEPESME, P. Mission A. Villiers au Togo et au Dahomey (1950). XIX-XX. Inst. Franç. d'Afrique Noire. B. 14:1152-1169. Oct.1952. 515 D14
XIX, Coléoptères, Buprestides, by A. Descarpentries; XX, Coléoptères, Cérambycides, by P. Lepesme.

26259 DILLON, L. S. The Meloidae (Coleoptera) of Texas. Amer. Midland Nat. 48:330-420. Sept.1952. 410 M58
Includes new tribe Tegroderini, new genera Maculicauta and Pseudozonitis; new species in Gnathium, Nemognatha, Pyrota, Meloe and Epicauta.

26260 DOSKOČIL, J., and others. Versuchsbestäubung der maikäfer [Melolontha melolontha] vom flugzeug mit Dynocid (5% DDT) und bewertung seiner wirkungen. (In Czech.) Cesposlov. Akad. Zeměděl. Sborn. 25: 409-414. Ref. Nov.1952. 19.5 C332C
V. Landa, V. Janda, K. Novak, and V. Skuhravý, joint authors.
German summary.

26261 EHRENHARDT, H. Zur bekämpfung von engerlingen [Melolontha] an zuckerrüben mit hexapräparaten. Nachrbl. des Deut. Pflanzenschutzdienstes 4: 117-121. Aug.1952. 442.9 B832

26262 ENGEL, H. Die maikäfer-flugjahre in Baden. Nachrbl. des Deut. Pflanzenschutzdienstes 4:121-123. Aug.1952. 442.9 B832
Melolontha.

26263 FAGEL, G. Contribution à la connaissance des Staphylinidae. XVI. Deux nouveaux genres de Paederinae. Rev. de Zool. et de Bot. Africaines 46:41-47. Aug.22,1952. 410 R326
Leleupirinia and Diasimognathus.

26264 FENTON, F. A., and DOGGER, J. R. Cotton blooming as an index of the effect of timing insecticide applications for boll weevil control. Okla. Acad. Sci. Proc. 32:53-55. Aug.1952. 500 Ok42

26265 FIEDLER, C. Neue Conotrachelus aus Südamerika (Col. Curc. Cryptorhynch.) (51. Beitrag zur kenntnis der amerikan. Cryptorhynchiden). Arkiv. f. Zool. (ser.2)3:1-17. 1952. 410.9 Sv22

26266 GILMOUR, E. F. Descriptions and notes on Lamiinae (Col., Cerambycidae). Ent. Bl. 47/48:168-182. 1951/52. 421 En833
Includes new species in Olenecamptus and Tmesisternus.

26267 GOULD, D. J., and BEAL, R. S. New records of Leptinus testaceus from North America (Coleoptera: Leptinidae). Pan-Pacific Ent. 28:193. Oct.1952. 421 P193

26268 GOULD, G. E. The wireworm problem in Indiana. (Abs.) Ind. Acad. Sci. Proc. 61:140-141. 1951, pub.1952. 500 In2

26269 GRANOVSKY, A. A. How to control wireworms. Minn. U. Agr. Ext. Folder 170,6 p. June 1952. 275.29 M66Ex

26270 GREEN, H. B. Spray from ground better than plane in peach orchard. Miss. Farm Res. [Miss. Sta.] 15(11):1,7. Nov.1952. 100 M69Mi
Control of Conotrachelus nenuphar.

26271 GRESSITT, J. L. The tortoise beetles of China (Chrysomelidae: Cassidinae). Calif. Acad. Sci. Proc. (ser.4)27:433-591. Ref. Dec.8,1952. 500 C12P
Includes new species and subgenus in Cassida; new species in Notosacantha.

26272 GUIGNOT, F. Dytiscides et Gyrinides de Fernando-Poo et du Soudan français. Inst. Franç. d'Afrique Noire. B. 14:1191-1195. Oct.1952. 515 D14
Includes new species in Copelatus and Herophydrus.

26273 GUNDERSON, H., and LILLY, J. H. Control corn rootworms [Diabrotica longicornis]. Iowa. State Col. Agr. Ext. Pam. 178,4 p. Apr.1952. 275.29 Io9Pa

26274 HALFFTER, G. Notas sobre el genero Phanaeus. Ciencia 12:79-86. Ref. Aug.15,1952. 475 C48

26275 HARADA, T , and MITSUI, E. Relative toxicity of methyl bromide to several insects. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:6. Sept.1952. 389.9 T57
Sitophilus and Bruchus spp.

26276 HAZELTINE, W. Notes on flights and food plants of Pleocoma (Coleoptera: Scarabaeidae). Pan-Pacific Ent. 28:202. Oct.1952. 421 P193

26277 HELFER, J. R. A new synonym in Xenorhipis (Coleoptera: Buprestidae). Pan-Pacific Ent. 28:188-191. Oct.1952. 421 P193

26278 HINCKS, W. D. Notes on Asiorestia Jacobson (Col., Chrysomelidae). Soc. Brit. Ent. J. 4:113-115. Nov.4,1952. 420 En85J

26279 JANEŽIĆ, F. Biological observations on Colorado beetle [Leptinotarsa decemlineata] in Slovensko Primorje in 1951, and experiments for controlling it with insecticides. (In Serbo-Croatian.) Zaštita Bilja 9:3-12. 1952. 464.8 Z1
English summary.

26280 JANEŽIC, F. The cockchafer in Slovenia. (In Serbo-Croatian.) Zastita Bilja 10:40-41. 1952. 464.8 Z1
English summary.
Melolontha melolontha and M. hippocastani.

26281 JEANNEL, R. Apparition récente d'une sous-espèce nouvelle de Coléoptère dans la faune de Madère. Acad. des Sci. Compt. Rend. 235:1155-1157. Nov.10,1952. 505 P21
Trechus obtusus pecudianus.

26282 JOHN, H. Aphanocephalus burgeoni n. sp. (Col. Notiophygidae). Rev. de Zool. et de Bot. Africaines 46:48-50. Aug.22,1952. 410 R326

26283 JOVANIĆ, M. Let's destroy the pea and bean weevil. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):20-21. Sept.1952. 21.5 V87

26284 JOVER, H. Note préliminaire sur la biologie des Platypodidae de basse-Cote d'Ivoire. Rev. de Path. Vég. et d'Ent. Agr. de France 31:74-81. 1952. 464.9 So1

26285 KIRSTEN, H. Lebensweise und bekämpfung wichtiger ackerschädlinge. Ernähr. der Pflanze 1:47-50. Oct.1952. 57.8 Er62
English summary.
Chiefly beetles.

26286 KLIPPEL, R. Beiträge zur kenntnis der schimmel- und moderkäfer. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 40:65-85. Ref. Mar.1952. 449.8 Z36
Cryptophagidae and Lathridiidae.

26287 KOCHER, L. Note sur le genre Cimipsa Peyerh. (Col. Tenebr.) avec description d'une espèce et d'une variété nouvelles. Soc. des Sci. Nat. du Maroc. B. 31:125-130. Frist Semes.1951,pub.1952. 515 So1

26288 KONIG, E. Das holzschädlings-lexikon der norddeutschen holzwirtschaft. Norddeut. Holzwirt. 6 (54/55):3. Nov.6,1952. 99.82 N75
Callidium species.

26289 KORELL, A. Neubeschreibung einer form von Carabus auronitens F. (Col. Carab.), Carabus (Chrysocarabus) auronitens n. auronitens m. fritzschei n. Ent. Bl. 47/48:182-183. 1951/52. 421 En833

26290 KRYZHANOVSKII, O. L. New species of beetles in Moscow Region and the zoo-geographic importance of these discoveries. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):25-26. Ref. 1952. 511 M85
New species in Diachromus, Miscodera, and Bius.

26291 LANDA, V., NOVAK, K., and SKUHARVY, V. Experiments to control cockchafers [Melolontha melolontha] with DDT and BHC dusting. (In Czech.) Cesposlov. Akad. Zemedel. Sborn. 25:415-418. Ref. Nov.1952. 19.5 C332C

26292 LEGDE, G., and WASSERBURGER, H. J. Versuche zur bekämpfung des kartoffelkäfers [Leptinotarsa decemlineata] mit kalkstickstoff. Deut. Landwirt. 3:640-642. Dec.1952. 18 D4822

26293 LINSLEY, E. G., MACSWAIN, J. W., and SMITH, R. F. The life history and development of Rhipiphorus smithi with notes on their phylogenetic significance (Coleoptera, Rhipiphoridae). Calif. U. P. Ent. 9:291-314. Ref. 1952. 500 C125E

26294 LOPATIN, I. K. On new species of Palearctic leaf-eating beetles (Chrysomelidae). (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):27-29. 1952. 511 M85
New spp. in Cryptocephalus.

26295 MANDL, K. Ergebnisse einer gelegentlich der neuaufstellung der Koleopterensammlung durchgeführten revision der Carabiden-sammlung des Naturhistorischen Museums in Wien. 1. Nathist. Mus. in Wien. Ann. 58: 122-126. 1951. 410.9 V672

26296 MASON, C. G. W. Some notes on the incidence and control of wood-boring insects in New Zealand. New Zeal. Sci. Rev. 10:103-106. July 1952. 475 N48
Coleoptera.

26297 MÜLLER, J. Bemerkungen zu einer neueren arbeit über die verbreitung der ostalpinen Trechus-arten (Coleoptera). Nathist. Mus. in Wien. Ann. 58:137-139. 1951. 410.9 V672
By H. Schweiger.

26298 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Carnivorous ground beetles (Carabidae). N. S. Wales. Dept. Agr. Insect Pest L. 109,1 p. 1952. 423.92 N47

26299 NEW SOUTH WALES DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. The common grain weevil (Calandra oryzae). Agr. Gaz. N. S. Wales 63:599-603. Nov.1952. 23 N472

26300 NOLTE, H. W. Schlitzblättrigkeit als folge von himbeerkäfer-frass. Anz. f. Schädlingsk. 25:170-171. Ref. Nov.1952. 421 An9
Byturus tomentosus.

26301 OBRADOVIC, M. The influence of mowing at different times on the yield and quality of alfalfa when attacked by Phytodecta fornicata Brug. (In Serbo-Croatian.) Zaštita Bilja 9:55-61. 1952. 464.8 Z1
English summary.

26302 OCHS, G. Zwei neue Orectogyrus-arten aus dem National Museum of Southern Rhodesia. Ent. Bl. 47/48:136-138. 1951/52. 421 En833

26303 PAPP, C. S. Eine neue Calochromus-art und -larve aus Indien (West-Bengal) und ein catalog über die bisher bekannten arten (Coleoptera: Lycidae). Arkiv. f. Zool. (ser.2)3:159-171. 1952. 410.9 Sv22

26304 PIC, M. Coléoptères du globe. Échange 68:13-16. (Cont.) Nov.8,1952. 420 Ec4
Includes new species in Casmena, Stylosomus, Paraglenea, Astylus, Aderus, Ora, Pachybruchus, Pseudopachymerus, Bruchidius, Metapteron, Photinus and Cyphon.

26305 PIC, M. Hétéromères africains nouveaux (Coléoptères). Rev. de Zool. et de Bot. Africaines 46:60-80. Aug.22,1952. 410 R326
Includes new species in Gonzalosia, Olotelus, Zarcosia, Hylophilus, Syzeton, Agacinosia, Notoxus, Mecynotarsus, Formicomus, Tomoderus, Leptaleus, Anthicus, Aulacoderus and Endomia.

26306 PINDUR, W. Engerlingbekämpfung mit modernen mitteln. Bauer 5(36):9-10. Oct.18,1952. 19 B32
Melolontha in Austria.

26307 POSCHINGER, F. VON. Neufund von Pterostichus (Calopterus) selmanni Duft. im Bayerischen Wald. Ent. Bl. 47/48:165. 1951/52. 421 En833

26308 POVZUN, I. Damage of winter rape by Ceutorhynchus pleurostigma and its effect on productivity. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:50-52. 1951. 106 Um1

26309 PRISIĀZHNIUK, A. A. Spanish fly [Lytta vesicatoria] and measures for controlling it [in forests]. (In Russian.) Les i Step' 4(9):81-82. Sept.1952. 99.8 L565

26310 PRONIN, G. F. Suggestions on preventing outbreaks of bark beetles in Californian pine forests. Pan-Pacific Ent. 28:186-188. Oct.1952. 421 P193

26311 PUISSEGUR, C., and VERDIER, P. Une sous-espèce nouvelle d'Haptoderus (s. str.) abacoides Dej. (Col. Carabidae). Soc. Ent. de France. B. 57:97-98. 1952. 420 F84B

26312 RADTKE, W. Über die bekämpfung von speckkäfern [Dermestes lardarius]. (Sum.) Leder 3: 261. Oct.1952. 303.8 L492

26313 REYMOND, A. Captures de Coléoptères à l'occasion des crues. Soc. des Sci. Nat. du Maroc. B. 31:93-102. First Semes.1951,pub.1952. 515 Sol

26314 ROESLER, R. Holfidal gegen den himbeerkäfer [Byturus tomentosus]. Anz. f. Schädlingsk. 25:171-172. Nov.1952. 421 An9

26315 RUSIASHVILI, I. L., and GEURKOVA, E. M. Materials for control of the sand beetle [Tenebrionidae]. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:191-196. 1951. 95.9 Ak1
Russian summary.

26316 SAXENA, P. N. On the food and feeding habits of fireflies [Luciola gorhami]. Cur. Sci. 21:166. June 1952. 475 Sci23

26317 SCHAERFFENBERG, B. Die möglichkeiten einer maikäferbekämpfung mit hilfe von mykosen. I. Beauveria densa Link, ein hauptparasit von Melolontha sp. Anz. f. Schädlingsk. 25:166-170. Ref. Nov.1952. 421 An9

26318 SCHEDL, K. E. Fauna philippinensis. VIII. 123. Contribution to the morphology and taxonomy of the Scolytoidea. Philippine J. Sci. 80:363-371. Sept. 1951,pub.1952. 475 P53
Includes new species in Xyleborus.

26319 SCHMIDT, G. Beitrag zur kenntnis der märkischen Cerambyciden-fauna. Ent. Bl. 47/48:123-134. 1951/52. 421 En833

26320 SCHWEIGER, H. Eine neue Cerylon-art aus Fukien (Col., Colydiidae). Ent. Bl. 47/48:134-136. 1951/52. 421 En833

26321 SCHWEIGER, H. Über einige von Dr. M. Beier in Griechenland gesammelte Silphidae und Histeridae. Ent. Bl. 47/48:166-168. 1951/52. 421 En833
Includes new species in Catops.

26322 SHAW, S. A teratological specimen of Micrambe villosa (Heer) (Col., Cryptophagidae). Soc. Brit. Ent. J. 4:115-116. Nov.4,1952. 420 En85J

26323 SHAW, S. Some records of Laboulbeniales (fungi) on Coleoptera. Soc. Brit. Ent. J. 4:116-117. Nov.4,1952. 420 En85J

26324 SIDOR, K. The cockchafer [Melolontha melolontha] in the region of Sremski Karlovci (Voyvodina). (In Serbo-Croatian.) Zastita Bilja 10:33-39. 1952. 464.8 Z1
English summary.

26325 SPAIĆ, I. Control of the cockchafer [Melolontha melolontha] larvae in nurseries. (In Serbo-Croatian.) Zastita Bilja 10:24-32. Ref. 1952. 464.8 Z1
English summary.

26326 STANČIĆ, J. About some factors from which depend the limits of spread and the intensity of cockchafer [Melolontha melolontha] attacks in Sandzak. (In Serbo-Croatian.) Zastita Bilja 10:9-23. 1952. 464.8 Z1
English summary.

26327 THOMAS, I. Colorado beetle [Leptinotarsa decemlineata] in England in relation to its spread on the Continent. Plant Path. 1:103-108. Dec.1952. 464.8 P692

26328 TIELECKE, H. Untersuchungen über den rübenderbrüssler [Cleonus punctiventris]. Deut. Landwirt. 3:629-632. Dec.1952. 18 D4822

26329 TROSHANIN, P. G. Damage caused to the roots of Euonymus [verrucosus] by the May beetles. (In Russian.) Lesn. Khoz. 5(9):70-72. Sept.1952. 99.8 L5622

26330 UHMANN, E. Austral-asiatische Hispinae. VIII. Callispini. Philippine J. Sci. 80:343-362. Sept. 1951,pub.1952. 475 P53
Includes new species in Hispodonta.

26331 VINOGRADOV, P. V. Summer wheat damaged by the grain insect Tychius [tomentosus]. (In Russian.) Selek. i Semen. 19(10):78. Oct.1952. 61.9 Se5

26332 VUKASOVIC, P. Un cas d'importation massive de Calandra [i.e. Sitophilus] oryzae L. (In Serbo-Croatian.) Zastita Bilja 10:62-65. 1952. 464.8 Z1
French summary.

26333 WADSWORTH, S. M. The garden chafer [Phyllopertha horticola] on grassland in the South-West. Plant Path. 1:132-133. Dec.1952. 464.8 P692

26334 WEISS, H. B. Hypera postica (Gyll.) reaches New Jersey (Col.). Ent. News [Philadelphia] 63:272. Dec.1952. 421 En88

26335 WHITCOMB, W. H. La lucha contra el picudo del algodón [Anthonomus grandis]; sus peculiaridades en el trópico. Agr. Trop. 8(10):15-20. Oct.1952. 26 Ag8

26336 WINGO, C. W. The Coccinellidae (Coleoptera) of the Upper Mississippi Basin. Iowa State Col. J. Sci. 27:15-53. Ref. Oct.1952. 470 Io9

26337 WOLF, D. C. New insecticide treatment that stops [corn] rootworm [Diabrotica longicornis]. Country Gent. 122(12):26. Dec.1952. 6 C833

26338 WOLFENBARGER, D. O. Some notes on the citrus root weevil [Pachnaeus litus]. Fla. Ent. 35:139-142. Ref. Dec.1952. 420 F662

26339 YOUNG, F. N. A new species of Suphisellus from Florida (Coleoptera: Noteridae). Fla. Ent. 35:157-158. Dec.1952. 420 F662

26340 ZDRAÏKOVSKAÏA, A. M. Experiments in control of beetles [Melolontha melolontha] in the Khrenovoye scientific forest experimental farm. (In Russian.) Les i Step' 4(8):72-74. Aug.1952. 99.8 L565

DIPTERA

26341 ADAMS, P. G., CASTILLO, C. H., and SALMERON, R. Application of toxaphene for torsalo fly [Dermatobia hominis] control. Agr. Chem. 7(12):33-35,119,121,123. Dec.1952. 381 Ag8

26342 AELLEN, V. Contribution a la connaissance des Diptères pupipares du Maroc. Soc. des Sci. Nat. du Maroc. B. 31:149-152. First Semes.1951,pub.1952. 515 So1

26343 ALEXANDER, C. P. Entomological results from the Swedish expedition 1934 to Burma and British India. Diptera: Tipulidae-Eriopterini, I, collected by R. Malaise. Arkiv. f. Zool. (ser.2)3:123-135. 1952. 410.9 Sv22
Includes new species in Teucholabis, Lipsothrix, Erioptera, Ormosia and Molophilus.

26344 ALEXANDER, C. P. New or little-known Tipulidae (Diptera). XCIII. Oriental-Australasian species. Ann. & Mag. Nat. Hist. (ser.12)5:1090-1111. Dec.1952. 410 An77
New species in Dolichopeza, Nephrotoma, Tipula and Limonia.

26345 ALEXANDER, C. P. Undescribed species of crane-flies from the western United States and Canada (Dipt.: Tipulidae). XIII. Ent. News [Philadelphia] 63:267-271. Dec.1952. 421 En88
In Erioptera and Molophilus.

26346 ASSIS-FONSECA, E. C. M. D'. Diptera attracted by a Cossus-infested oak-tree. Ent. Rec. & J. Variation 64:360-361. Dec.1952. 421 En89

26347 BAKER, W. K., and EDINGTON, C. W. The induction of translocations and recessive lethals in Drosophila under various oxygen concentrations. Genetics 37:665-677. Ref. Nov.1952. 442.8 G28

26348 BARBIER, J. Introduction en France d'un Diptère Stratiomyide américain. Soc. Ent. de France. B. 57:108. 1952. 420 F84B
Hermetia illucens.

26349 BEERMANN, W. Chromomerenkonstanz und spezifische modifikationen der chromosomenstruktur in der entwicklung und organdifferenzierung von Chironomus tentans. Chromosoma 5:139-198. Ref. 1952. 442.8 C46

26350 BERG, C. O. Biology and metamorphosis of some Solomon Islands Diptera. II. Solva bergi James (Erinnidae), with a comparison of related species. Pan-Pacific Ent. 28:203-215. Ref. Oct.1952. 421 P193

26351 BESS, H. A. Fighting the fruit flies. Hawaii Farm Sci. [Hawaii Sta.] 1(1):7-8. Apr.1952. 100 H314
Dacus dorsalis and Ceratitis capitata.

26352 BOĬKO, A. K. Larvae of Phora incrassata—parasites of adult honeybees. (In Russian.) Pchelovodstvo 29(8):47-48. Aug.1952. 424.8 P295

26353 BONNEMAISON, L., and MISSONNIER, J. Essais de traitements contre les mouches du chou [Hylemya brassicae]. Acad. d'Agr. de France. Compt. Rend. 39:581-583. Oct.8/15,1952. 14 P215Bc

26354 BONNIER, G. Gynandromorph sex combs in Drosophila melanogaster. Arkiv. f. Zool. (ser.2)3:53-58. 1952. 410.9 Sv22

26355 BOUVIER, G. Notes sur les Tabanidés de la région de Campinas (Estado S. Paulo) Brésil. Inst. Oswaldo Cruz. Mem. 50:581-596. Mar.1952. 448.9 In74

26356 BROOKS, A. R. Identification of bombyliid parasites and hyperparasites of Phalaenidae of the Prairie Provinces of Canada, with descriptions of six other bombyliid pupae (Diptera). Canad. Ent. 84:357-373. Dec.1952. 421 C16

26357 BROWN, J. H., and BRENNAN, J. M. A note on the chiggers (Trombiculidae) of Alberta. Canad. J. Zool. 30:338-343. Dec.1952. 470 C16D
Includes new species in Euschöngastia.

26358 COLLIN, J. E. Some rare Diptera found in Norfolk, including Nemotelus fraternus Loew, an addition to the British list. Soc. Brit. Ent. J. 4:112-113. Nov.4, 1952. 420 En85J

26359 COSTA LIMA, A. DA, and COSTA LEITE, I. DA. Flies of the genera Hexachaeta and Blepharoneura (Diptera, Trypetidae). (In Portuguese.) Inst. Oswaldo Cruz. Mem. 50:297-333. Mar.1952. 448.9 In74
Includes new species.

26360 COTTIER, W. The cold sterilization of oranges from South Africa. (Abs.) New Zeal. Sci. Rev. 10:99. July 1952. 475 N48
For control of Ceratitis capitata, C. rosa and Argyroploce leucotreta.

26361 CRAGG, J. B., and COLE, P. Diapause in Lucilia sericata (Mg.) Diptera. J. Expt. Biol. 29:600-604. Ref. Dec.1952. 442.8 B77

26362 DOBZHANSKY, T., SPASSKY, B., and SPASSKY, N. A comparative study of mutation rates in two ecologically diverse species of Drosophila. Genetics 37:650-664. Ref. Nov.1952. 442.8 G28

26363 DOUCETTE, C. F. The Narcissus bulb fly [Lampetia equestris]. Florists' Rev. 111(2876):25-26. Jan.8,1953. 80 W41

26364 ENTWISTLE, P. F. Haematopota bigoti Gobert (Dipt., Tabanidae) on the Lancashire Coast. Ent. Mon. Mag. 88:286. Dec.1952. 421 En86

26365 FERON, M. Observation sur le parasitisme de Ceratitis capitata Wied, dans le sous Marocain. Rev. de Path. Vég. et d'Ent. Agr. de France 31:99-102. 1952. 464.9 So1
Of Argania spinosa.

26366 FRITZ-NIGGLI, H. Biologische analyse der strahlenschädigung von Drosophila-eiern durch 180 kV röntgenstrahlen und ultraharte 31 MeV-strahlen. Naturwissenschaften 39:485-486. Nov.1,1952. 474 N213

26367 GONZALEZ MENDOZA, R. Albunas investigaciones relativas a la mosca de las frutas y cerezas de cafe (Anastrepha spp.). (Sum.) Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 3(32):32-35. Aug.1952. 68.29 C332

26368 GUPTA, R. L. Prolonged larval period and delayed emergence of adults in Procontarinia matteiana Kieff. & Cecc. (Itonididae: Diptera). Cur. Sci. 21:139. May 1952. 475 Sci23

26369 HANSENS, E. J. Some observations on the abundance of salt marsh greenheads. N. J. Mosquito Extermin. Assoc. Proc. 39:93-98. 1952. 420 N46
Tabanus species.

26370 HARDY, D. E. Bibionidae and Dorilaidae in the collection of the Musée du Congo Belge. Rev. de Zool. et de Bot. Africaines 46:159-167. Aug.22,1952. 410 R326
Includes new species in Plecia and Dorilas.

26371 HARMSTON, F. C. New species of Dolichopodidae in the U. S. National Museum (Diptera). Ent. Soc. Wash. Proc. 54:281-294. Dec.1952. 420 W27
In Dolichopus, Hercostomus, Asyndetus, Chrysotus, Syntormon and Aphrosylus.

26372 HASE, A. Massenauftreten der veilchenblattrollmücke (Dasyneura affinis) in Berliner gärten. Nachrbl. des Deut. Pflanzenschutzdienstes 4:104-106. July 1952. 442.9 B832

26373 HEINSOHN DE BRIGARD, J. Control de la mosca doméstica en los establos. Agr. Austral 20:274-275. July/Aug.1952. 9.3 Ag842

26374 HENRARD, C. Notice de la carte des tsé-tsés au Congo Belge et au Ruanda-Urundi. Bruxelles,1952. 4 p. (Institut Royal Colonial Belge. Atlas Général du Congo) 225 AL3
Text also in Flemish.

26375 HINTON, T. A quantitative study of folic acid requirements and reversal of aminopterin inhibition in Drosophila. Science 116:708-710. Ref. Dec.26,1952. 470 Sci2

26376 HOFSTEN, C. G. VON., and RASMUSSON, M. How flies reacts to poisons. (In Swedish.) Lantmannen 36:1057-1059. Dec.20,1952. 11 L234

26377 HUCKETT, H. C. Males of the genus Hylemya sens. lat. from North America, having dorsal bristles on mid metatarsus, with descriptions of new species (Muscidae, Diptera). Brooklyn Ent. Soc. B. 47:113-122. (Cont.) Dec.1952. 420 B79

26378 IRIARTE, D. R. Nueva especie de Ceratopogonido para el país. Culicoides phlebotomus Will. Clin. "Luis Razetti." Lab. B. 16:526,528. July 1952. 448.9 C61

26379 ISAAKIDES, C. La lutte contre la mouche des olives [Dacus oleae] en Grèce. Feuilles d'Inform. Oleicoles Internatl. (n.s.)12:168-172. July/Aug.1952. 80 F43
English summary.

26380 JEKOT, C. B. Lethal mutations produced in Drosophila melanogaster by the auxin, gamma-indole-3-n-butyric acid. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:100. Oct.1952. 500 C717

26381 KUHL, R. Der augenblickliche stand der dasselbekämpfung in Westdeutschland. Anz. f. Schädlingsk. 25:177-182. Ref. Dec.1952. 421 An9
Hypoderma.

26382 LE GAC, P., FLOCH, H., and CHASSIGNET, R. Presence de Phlebotomus (Larroussius) perniciosus Newstead 1911 et de Phlebotomus (Larroussius) ariasi Tonnoir 1921 a la Theoule (Alpes-Maritimes). Soc. de Path. Exot. B. 45:618-619. Ref. 1952. 448.9 So13

26383 LEVITAN, M. Drosophilidae in a southwest Virginia woods. (Abs.) Va. J. Sci. (n.s.)3:298. Sept. 1952. 470 V81

26384 LUNING, K. G. The connection between chromosome breaks and apparent gene mutations in Drosophila melanogaster. (Abs.) Hereditas 38:502-504. 1952. 442.8 H42

26385 LYCHNOS, D. Résistance relative de certaines variétés d'olives aux atteintes du Dacus. Feuille d'Inform. Oleicoles 22:1052-1059. Apr./Sept.1952. 80 F432

26386 MACLAGAN, D. S. Leatherjackets. West Scot. Agr. Col. Adv. L. 14,3 p. 1951? 103 W52Ad
Tipula species.

26387 MAYER, H. Neue Fungivoridae (Diptera-Nematocera) aus der sammlung des Naturhistorischen Museums in Wien. II. Nathist. Mus. in Wien. Ann. 58:127-136. 1951. 410.9 V672
In Bolitophila and Messala.

26388 MOORE, J. A. Competition between Drosophila melanogaster and Drosophila simulans. I. Evolution 6:407-420. Ref. Dec.1952. 443.8 Ev62

26389 MORETON, B. D., and LIGHT, W I. S. G. Control of cabbage root fly [Hylemya brassicae] with BHC and tar oil wash. Plant Path. 1:121. Dec.1952. 464.8 P692

26390 PAUCK, P., and KOCH, F. W. Uber versuche zur bekämpfung der möhrenfliege [Psila rosae]. Nachrbl. des Deut. Pflanzenschutzdienstes 4:113-116. Aug.1952. 442.9 B832

26391 PERIS, S. V. La subfamilia Rhiniinae (Dipt. Calliphoridae). Spain. Cons. Super. de Invest. Cient. Estac. Expt. de Aula Dei. An. 3(1),224 p. Ref. 1952. 506 Sp132
English summary.
Includes new species in Rhinia, Rhyncomyia and Pseudorhyncomyia n.g.

26392 PHILIP, C. B. Notes on tabanid flies and other victims caught by the carnivorous plant, Sarracenia flava. Fla. Ent. 35:151-155. Dec.1952. 420 F662

26393 PIELOU, D. P. The nonmutagenic action of p-p'-DDT and γ-hexachlorocyclohexane in Drosophila melanogaster Meig. (Diptera: Drosophilidae). Canad. J. Zool. 30:375-377. Dec.1952. 470 C16D

26394 PLAINE, H. L., and GLASS, B. The effect of oxygen concentration upon the induction by X-rays of melanotic tumors in Drosophila melanogaster. Cancer Res. 12:829-833. Ref. Nov.1952. 448.8 C16

26395 POPOV, N. O. Again on the control of the fly, Senotainia. (In Russian.) Pchelovodstvo 29(8):55. Aug. 1952. 424.8 P295

26396 POWER, M. E. A quantitative study of the growth of the central nervous system of a holometabolous insect, Drosophila melanogaster. J. Morph. 91:389-411. Ref. Nov.1952. 444.8 J826

26397 PREVOSTI, A. Datos sobre los caracteres vti y vli en una poblacion natural de "Drosophila subobscura" Collins. Genét Ibérica 3:37-46. 1951. 443.8 G28
English summary.

26398 RAMSAY, H. D. Anti blowfly precautions practised in Australia. Wool 1(5):70. 1952/53. 45.8 W887

26399 RASMUSON, B. Evidence of an autonomous cytoplasmic system in Drosophila melanogaster, influencing the resistance to ether. (Abs.) Hereditas 38:504-505. 1952. 442.8 H42

26400 REEVE, E. C. R., and ROBERTSON, F. W. Studies in quantitative inheritance. II. Analysis of a strain of Drosophila melanogaster selected for long wings. J. Genet. 51:276-316. Ref. Jan.1953. 442.8 J823

26401 RIZKI, M. T. M. Ontogenetic distribution of genetic lethality in Drosophila willistoni. J. Expt. Zool. 121:327-350. Ref. Nov.1952. 410 J825

26402 RODRIGUEZ GONZALEZ, M. Furunculosis cutánea por larvas de Dermatobia cyaniventris (Macquart 1840). Uruguay. Dir. de Ganad. B. Mens. 33:91-97. Apr./June 1952. 41.9 Ur8
D. hominis in dogs.

26403 SCHLINGER, E. I. A lectotype designation in the genus Eulonchus (Diptera: Acroceridae). Pan-Pacific Ent. 28:220. Oct.1952. 421 P193

26404 SCHNEIDER, F. L. Sheep nose-grub [Oestrus ovis] treatment pays off. N. Mex. Stockman 17(12):79. Dec.1952. 49 N462

26405 SEARLS, E. M. Fly free cows. Austral. Dairy Rev. 20(11):8-9,13. Nov.1,1952. 44.8 Au73

26406 SMITH, M. E. Immature stages of the marine fly, Hypocharassus pruinosus Wh., with a review of the biology of immature Dolichopodidae. Amer. Midland Nat. 48:421-432. Ref. Sept.1952. 410 M58

26407 SPIESS, E. B., TERRILE, B. A., and BLUMENHEIM, U. Physiological properties of gene arrangement carriers in Drosophila persimilis. II. Wing-beat frequency and wing dimensions. Evolution 6:421-427. Ref. Dec. 1952. 443.8 Ev62

26408 STABLER, R. M., and FOX, R. M. A new Nycteribiid (Diptera) from a Colorado bat [Myotis volans interior]. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:102. Oct. 1952. 500 C717
Basilia calverti n. sp.

26409 SULEY, A. C. E. Genetics of Drosophila subobscura. VIII. Studies on the mutant grandchildless. J. Genet. 51:375-405. Ref. Jan.1953. 442.8 J823

26410 TIMON-DAVID, J. Contribution à la connaissance de la faune entomologique du Maroc. Diptera: Asilidae, Bombyliidae, Nemestrinidae et Syrphidae. Soc. des Sci. Nat. du Maroc. B. 31:131-148. Ref. First Semes.1951,pub.1952. 515 So1
Includes new species in Stenopogon, Dioctria, Habropogon, Cytherea, and Conophorus.

26411 TOWNSEND, J. I. Genetics of marginal populations of Drosophila willistoni. Evolution 6:428-442. Ref. Dec.1952. 443.8 Ev62

26412 TURTON, J. D. An outbreak of T. brucei infection in polo ponies with spread apparently by biting flies other than Glossina. Vet. Rec. 65:11-12. Jan.3, 1953. 41.8 V641

26413 UEDA, A., and TAKANO, S. Myiasis-producing flies [Cephenomyia trompe and Oedemagena terandi] of the reindeer imported from Saghalien. (In Japanese.) Obihiro. Zootech. U. Res. B. 1(2):27-36. Ref. Mar.1952. 513 Ob3
English summary.

26414 VARELA, A. La mosca oriental de la fruta es un problema internacional. Fitófilo 6(6):5-10. May/June 1952. 421 F55
Dacus dorsalis.

26415 VARELA, A., and COMPTON, G. C. Menace from the East; Oriental fruit fly [Dacus dorsalis] threatens agriculture in the Americas. Américas 4(11):13-15. Nov.1952. 150.9 Am34

26416 VETUKHIV, M. Viability of hybrids between local populations of Drosophila pseudoobscura. Natl. Acad. Sci. Proc. 39:30-34. Jan.1953. 500 N21P

26417 WADDINGTON, C. H. The interactions of some morphogenetic genes in Drosophila melanogaster. J. Genet. 51:243-258. Ref. Jan.1953. 442.8 J823

Culicidae

26418 AYERS, F. P. The efficiency and economy of mechanized equipment versus hand work in Ocean County. N. J. Mosquito Extermin. Assoc. Proc. 39:98-100. 1952. 420 N46

26419 BEIN, MRS. H. Holding the line. N. J. Mosquito Extermin. Assoc. Proc. 39:39-40. 1952. 420 N46
Policies and programs.

26420 BIGUET, J., and DOBY, J. M. Variations de la soie dorsale prothoracique submédiane interne chez la larve d'Anopheles (Myzomyia) multicolor. Ann. de Parasitol. Humaine et Compar. 27:539-540. 1952. 436.8 An7

26421 BISHOPP, F. C , STAGE, H. H., and SOLLERS, H. World wide mosquito work in 1951. N. J. Mosquito Extermin. Assoc. Proc. 39:8-34. 1952. 420 N46

26422 BLICKLE, R. L. Notes on the mosquitoes (Culicinae) of New Hampshire. N. J. Mosquito Extermin. Assoc. Proc. 39:198-202. 1952. 420 N46

26423 BRADLEY, G. H. Anti-mosquito activities on water resources programs. N. J. Mosquito Extermin. Assoc. Proc. 39:40-43. 1952. 420 N46

26424 BURCHFIELD, H. P., HILCHEY, J. D., and STORRS, E. E. An objective method for insecticide bioassay based on photomigration of mosquito larvae. Boyce Thompson Inst. Contrib. 17:57-86. Ref. Oct./Dec. 1952. 451 B69

26425 BURNET, SIR F. M. Myxomatosis as a method of biological control against the Australian rabbit. Amer. J. Pub. Health 42:1522-1526. Dec.1952. 449.9 Am3J
Includes mosquitoes as vectors.

26426 CARPENTER, S. J., and PEYTON, E. L. Mosquito studies in the Panama Canal Zone during 1949 and 1950 (Diptera, Culicidae). Amer. Midland Nat. 48:673-682. Ref. Nov.1952. 410 M58

26427 CLARK, E. W., and BALL, G. H. The free acids in the whole bodies of culicid mosquitoes. Expt. Parasitol. 1:339-346. Ref. Nov.1952. 436.8 Ex7

26428 DARSIE, R. F., JR., and CANNON, F. D. Resistance of Delaware salt-marsh mosquito larvae to DDT including data on residue accumulations in marsh soil. N. J. Mosquito Extermin. Assoc. Proc. 39:169-175. Ref. 1952. 420 N46

26429 DEFALCO, R. J. Serological identification of mosquito blood meals. N. J. Mosquito Extermin. Assoc. Proc. 39:168-169. 1952. 420 N46

26430 EAKINS, W. T. Report on malaria in New Jersey for 1951. N. J. Mosquito Extermin. Assoc. Proc. 39:46-48. 1952. 420 N46

26431 ELSTON, J. Mosquito control work in Connecticut. Conn. State Dept. Health. Conn. Health B. 66:333-337. Dec.1952. 449.7 C76C

26432 FLETCHER, A. H. The interest of health departments in mosquito control. N. J. Mosquito Extermin. Assoc. Proc. 39:44-46. 1952. 420 N46

26433 FRITZ, R. F. Status of malaria incidence in the United States. (Abs.) N. J. Mosquito Extermin. Assoc. Proc. 39:158. 1952. 420 N46

26434 HADJINICOLAOU, J. Malaria and mosquito control in Greece. N. J. Mosquito Extermin. Assoc. Proc. 39:48-55. 1952. 420 N46

26435 HAGMANN, L. E. Mansonia perturbans, recent studies in New Jersey. N. J. Mosquito Extermin. Assoc. Proc. 39:60-66. 1952. 420 N46
Includes discussion.

26436 HENDERSON, J. M. Irrigation and mosquitoes in the United States of America. Indian J. Malariol. 6:73-116. Ref. Mar.1952. 448.8 In24

26437 HOFF, C. C. Mosquitoes of dry farming and irrigated areas of southeastern Colorado and northeastern New Mexico. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:100-101. Oct.1952. 500 C717

26438 JONES, J. C. A chamber for observations on living larvae of anopheline mosquitoes. Science 117: 42. Jan.9,1953. 470 Sci2

26439 KELLER, J. C., and MCDUFFIE, W. C. The development of insecticide resistance in salt-marsh mosquitoes in Florida. N. J. Mosquito Extermin. Assoc. Proc. 39:139-144. 1952. 420 N46
Aedes species.

26440 KRISHNASWAMI, A. K. A note on the nocturnal behaviour of A. minimus Theobald, 1901, in DDT-sprayed huts in North Bengal. Indian J. Malariol. 6:117-122. Mar.1952. 448.8 In24

26441 LELEUP, N. Un Anophèle cavernicole nouveau du Kibali-Ituri: Anopheles faini n sp. Rev. de Zool. et de Bot. Africaines 46:151-158. Aug.1952. 410 R326

26442 MACNAMARA, L. G. Needs for additional research on mosquito control from the standpoint of fish and game management. N. J. Mosquito Extermin. Assoc. Proc. 39:111-116. 1952. 420 N46

26443 MURRILL, R. D., and ZEMLANSKY, J. The utilization of sanitary landfills in the control of mosquitoes. N. J. Mosquito Extermin. Assoc. Proc. 39:154-158. 1952. 420 N46

26444 NEW JERSEY MOSQUITO EXTERMINATION ASSOCIATION. Proceedings of the thirty-ninth annual meeting held at Atlantic City, New Jersey, March 12, 13, and 14, 1952. New Brunswick,1952. 207 p. 420 N46

26445 OLEJNIK, E. Infectious adenitis transmitted by Culex molestus. Israel. Res. Council. B. 2:210-211. Sept.1952. 330.9 Is72B

26446 REES, D. M. The contribution of New Jersey to mosquito control. N. J. Mosquito Extermin. Assoc. Proc. 39:35-38. 1952. 420 N46

26447 REES, D. M. The effectiveness of mosquito control in Salt Lake City, Utah, as determined by light trap collections. N. J. Mosquito Extermin. Assoc. Proc. 39:105-109. 1952. 420 N46

26448 REHN, J. W. H. Mosquito control in the First Army area with particular reference to New Jersey. N. J. Mosquito Extermin. Assoc. Proc. 39:55-58. 1952. 420 N46
Includes discussion.

26449 ROMAN, E. Eclosion sur substrat humide des pontes de moustique citadin. Soc. de Biol. Compt. Rend. 146:1336-1337. Sept.1952. 442.9 P21

26450 RUTH, P. W. Mosquito control on soft fills. N. J. Mosquito Extermin. Assoc. Proc. 39:160-162. 1952. 420 N46

26451 SCOTT, J. W. Vermont mosquito report. N. J. Mosquito Extermin. Assoc. Proc. 39:159-160. 1952. 420 N46

26452 SENIOR WHITE, R. A. Studies on the bionomics of Anopheles aquasalis Curry, 1932. III. Indian J. Malariol. 6:29-72. Mar.1952. 448.8 In24

26453 SHARP, J. F. Adult mosquito control by air-spray in northern British Columbia and the Yukon. N. J. Mosquito Extermin. Assoc. Proc. 39:58-59. 1952. 420 N46

26454 STAGE, H. H., GJULLIN, C. M., and YATES, W. W. Mosquitoes of the Northwestern States. U. S. D. A. Agr. Handb. 46,95 p. Ref.,p.87-95. Nov.1952. 1 Ag84Ah

26455 STAGE, H. H., KELLER, J. C., and GJULLIN, C. M. The resistance of mosquitoes to insecticides. N. J. Mosquito Extermin. Assoc. Proc. 39:131-139. Ref. 1952. 420 N46

26456 STAGE, H. H. Use of petroleum oils in mosquito control. Advn. Chem. Ser. 7:43-51. Ref. Aug. 25,1952. 381 Ad93

26457 STAUBER, L. A. Some unsolved problems in the transmission of parasitic organisms by mosquitoes. N. J. Mosquito Extermin. Assoc. Proc. 39:100-104. Ref. 1952. 420 N46

26458 STEARNS, L. A., and others. Symposium on organization of mosquito-extermination commissions. N. J. Mosquito Extermin. Assoc. Proc. 39:66-90. 1952. 420 N46
D. M. Jobbins, J. B. Leslie, H. P. Dengler, V. Conant, R. L. Vannote, G. E. Powers, and F. A. Reiley, joint authors.

26459 VAN BREDERODE, H. The mosquito commissioner, his obligations to the community and to the county. N. J. Mosquito Extermin. Assoc. Proc. 39:91-93. 1952. 420 N46

26460 VINCENT, R. H., and REED, W. D. Mosquito control at army installations by scheduled applications of insecticides. N. J. Mosquito Extermin. Assoc. Proc. 39: 109-111. 1952. 420 N46

26461 WILSON, W. F., PHILEN, E. A., and KRUSE, C. W. Experimental use of a helicopter as a larvicidal aircraft for the control of Anopheles quadrimaculatus. N. J. Mosquito Extermin. Assoc. Proc. 39:117-130. 1952. 420 N46

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

26462 ANDERSON, L. D., and others. Lygus bugs on seed alfalfa; specific treatments recommended for Lygus bug control in alfalfa seed fields at three stages of plant growth. Calif. Agr. [Calif. Sta.] 6(11):3-4. Nov.1952. 100 C12Cag
L. G. Jones, H. T. Reynolds, R. F. Smith, and J. E. Swift, joint authors.

26463 APPERT, J. Essais sur les possibilités des insecticides systémiques pour la protection de l'arachide contre la rosette. France. Dir. de l'Agr. de l'Élevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Agron. 7:195-203. Ref. Sept.1952. 26 F84B
Transmitted by Aphis laburni.

26464 ASTELARRA, L. P., and ROTHLIN, R. E. Aparición y difusión del psílido del peral (Chermes pyricola F.) en el alto valle del Río Negro y Neuquén; primeros resultados de un ensayo de insecticidas comerciales. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(55): 1-5. Ref. July 1952. 9 Id3

26465 BAAS, J. San-Jose-schildlaus [Aspidiotus perniciosus] und begehungsdienst. Hess. Obstbau 7:41. Mar.1952. 80 G1932

26466 BALACHOWSKY, A. S. Coccoidea-Diaspidinae nouveaux de Guinée française (A.O.F.). Rev. de Path. Vég. et d'Ent. Agr. de France 31:121-133. 1952. 464.9 So1
Includes new species in Fulaspis n.g. and Nimbaspis n.g.

26467 BALACHOWSKY, A. S. Sur deux Diaspidinae (Hom. Coccoidae) nouveaux de Moyenne Guinée (A. O. F.). Soc. Ent. de France. B. 57:98-104. 1952. 420 F84B
In Aonidiella and Guineaspis n.g.

26468 BARTH, R. Anatomische und histologische studien ueber die unterfamilie Triatominae (Heteroptera, Reduviidae). I. Der kopf von Triatoma infestans. Inst. Oswaldo Cruz. Mem. 50:156-196. Ref. Mar.1952. 448.9 In74

26469 BEINHART, E. G. The green peach aphid [Myzus persicae] on tobacco in the Dominican Republic. Science 116:713-714. Dec.26,1952. 470 Sci2

26470 BOERGER, A. Verheerendes auftreten der getreidelaus Schizaphis [i.e. Toxoptera] graminum in den La Plata-ländern. Anz. f. Schädlingsk. 25:183-186. Dec.1952. 421 An9

26471 BOHM, H. Saugschäden an birnen- und apfelblättern. Pflanzenarzt 5(11):3-4. Nov.1,1952. 464.9 P482

26472 BREIDER, H. Beiträge zur morphologie und biologie der reblaus Dactylosphaera vitifolii Shim. Z. f. Angew. Ent. 33:517-543. Ref. Aug.1952. 421 Z36

26473 BROWN, B. R., and others. Colouring matters of the Aphididae. VI-VII. Chem. Soc. J., Dec.1952:4925-4935. 382 L84J
VI, The glucosidic nature of protoaphin, by B. R. Brown, T. Ekstrand, A. W. Johnson, S. F. MacDonald, and A. R. Todd; VII, Addition reactions of erythroaphin-fb, by B. R. Brown, A. W. Johnson, S. F. MacDonald, J. R. Quayle, and A. R. Todd.

26474 CARVALHO, J. C. M. Neotropical Miridae (Heteroptera). XLVI. A new genus and two new species in the collection of the Natural History Museum in Vienna. Nathist. Mus. in Wien. Ann. 58:103-107. 1951. 410.9 V672
New species in Guanabarea and Hallodapoides n.g.

26475 COSTA LIMA, A. DA, SEABRA, C. A. C., and HATHAWAY, C. R. Additions to research on the genus Apiomerus (Hemiptera, Reduviidae). (In Portuguese.) Inst. Oswaldo Cruz. Mem. 50:265-269. Mar.1952. 448.9 In74
Includes new species.

26476 CUMBER, R. A. Entomological aspects of yellow-leaf disease of Phormium. New Zeal. Sci. Rev. 10:3-5. Jan./Feb.1952. 475 N48
Oliarus atkinsoni.

26477 DRAKE, C. J., and CHAPMAN, H. C. A new species of Micracanthia from Florida (Hemiptera: Saldidae). Fla. Ent. 35:147-150. Dec.1952. 420 F662

26478 DRAKE, C. J. A new tropical hebrid (Hemiptera). Pan-Pacific Ent. 28:194. Oct.1952. 421 P193
Merragata quieta.

26479 DRAKE, C. J., and VIADO, G. B. Saldoidea of the Philippines (Hemiptera). Philippine J. Sci. 80: 339-342. Sept.1951,pub.1952. 475 P53

26480 EASTOP, V. F. A new British aphid [Ovatomyzus boraginacearum, sp. n.]. Ent. Mon. Mag. 88:284-285. Dec.1952. 421 En86

26481 EGOROV, P. I. Ethyl bromide as a means to control Phylloxera. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):46. July 1952. 95.8 V77
Grapes.

26482 EISELE, H. Einiges über die Lachniden. Südwestdeut. Imker 4:348-349. Nov.1952. 424.8 Su25

26483 ELLIS, L. L. The aquatic Hemiptera of southeastern Louisiana (exclusive of the Corixidae). Amer. Midland Nat. 48:302-329. Ref. Sept.1952. 410 M58

26484 ESSIG, E. O. A new genus [Gentnera] and species of Aphidae on scotch broom in Oregon (Homoptera). Pan-Pacific Ent. 28:215-219. Oct.1952. 421 P193

26485 EVERLY, R. T. Tests of new insecticides for control of the meadow spittlebug [Philaenus leucophthalmus]. (Abs.) Ind. Acad. Sci. Proc. 61:140. 1951,pub. 1952. 500 In2

26486 FENTON, F. A., and DAHMS, R. G. Attempts at controlling the greenbug [Toxoptera graminum] by the importation and release of lady beetles [Hippodamia convergens] in Oklahoma. Okla. Acad. Sci. Proc. 32: 49-51. Aug.1952. 500 Ok42

26487 FIGUEROA POTES, A. Monalonion sp., plaga importante en el cacao del Valle del Cauca - Colombia. Acta Agron. [Palmira] 2:183-193. Oct.1952. 9.4 Ac8

26488 GURR, L. Notes on Nysius huttoni F. B. White a pest of wheat in New Zealand. (Abs.) New Zeal. Sci. Rev. 10:108-109. July 1952. 475 N48

26489 HELENIUS, O. The mode of bivalent orientation in the Hemiptera. Hereditas 38:420-424. 1952. 442.8 H42

26490 HINCKS, W. D. The British species of the genus Ooctonus Haliday, with a note on some recent work on the fairy flies (Hym., Mymaridae). Soc. Brit. Ent. Trans. 11:153-163. Nov.4,1952. 420 So15
Includes new species.

26491 HOFFERBERT, W., and ORTH, H. Further tests on the systemic treatment of the potato plant against the green peach aphid [Myzus persicae]. Höfchen-Briefe 5:10-15. 1952. 464.8 H67

26492 HOTTES, F. C. Miscellaneous notes on the taxonomy of some aphid species (Aphididae). Pan-Pacific Ent. 28:191-193. Oct.1952. 421 P193

26493 IBRAGIMOV, G. R. Eulecanium corni on nuts. (In Russian.) Lesn. Khoz. 5(7):57-59. July 1952. 99.8 L5622

26494 INDIAN LAC RESEARCH INSTITUTE. Annual report for the financial year 1950-51. Ranchi,1952. 48 p 423.92 In23A

26495 JOHNSON, C. G. The changing numbers of Aphis fabae Scop., flying at crop level, in relation to current weather and to the population on the crop. Ann. Appl. Biol. 39:525-547. Ref. Dec.1952. 442.8 An72

26496 KAMAT, M. N., PATEL, M. K., DHANDE, G. W. Occurrence of the green muscardine fungus on Pyrilla sp. in Bombay. Cur. Sci. 21:317. Nov.1952. 475 Sci23

26497 KORMILEV, N. A., and PIRAN, A. A. La subfamilia Graphosomatinae (Jakow.) en la Argentina (Hemip., Pentatom.), con la descripcion de un género [Neoleprosoma] y una especie nuevos. Soc. Cient. Argentina. An. 153:212-218. May 1952. 516 So1
English summary.

26498 KUITERT, L. C., and NUTTER, G. C. Chinch bug [Blissus leucopterus] control and subsequent renovation of St. Augustine grass lawns. Fla. Agr. Expt. Sta. C. S-50,10 p. Sept.1952. 100 F66Ci

26499 LANDWEHR. Zusammenarbeit zwischen staat und berufsstand beim planmässigen wiederaufbau reblausverseuchter weinberge. Deut. Weinbau 7:573-575. (Cont.) Oct.20,1952. 390.8 W432
Phylloxera vastatrix.

26500 LAWRENCE, R. L. Florida's turf problems are increased by Rhodes scale. Golfdom 26(10):60-61, 64. Oct.1952. 60.18 G58

26501 LESTON, D. On certain subgenera of Lygus Hahn 1833 (Hem., Miridae), with a review of the British species. Ent. Gaz. 3:213-230. Oct.1952. 421 En834

26502 LESTON, D. A genus and species of Miridae (Hemiptera) new to Britain, with a key and check-list of the British Deraeocorinae Douglas and Scott. Ent. Mon. Mag. 88:273-276. Ref. Dec.1952. 421 En86
Alloeotomus gothicus.

26503 LOCHNER, E. H. W. Preliminary experiments with systemic insecticides for the control of the cabbage aphid (Brevicoryne brassicae, Linn.). Union So. Africa. Dept. Agr. Sci. B. 333,14 p. 1952. 24 So84S

26504 MARZOCCHELLA, A. Prepare in time for the control of aphids and lice on peaches. (In Italian.) Italy. Ispettorato Prov. dell' Agr. de Napoli. C. 6:7-9. 1952. 16 It18

26505 MENUSAN, H., JR. The potato leafhopper [Empoasca fabae] and its control. Guide Post 30(7):16, 18. July 1952. 75.8 G94

26506 MERKENSCHLAGER, F. On the history of E 605 and the Spalt hop types. Höfchen-Briefe 5:40-42. 1952. 464.8 H67
Control of aphids.

26507 MEYER, J. Edification de galles multiples par une même fondatrice et peuplement des galles d'Eriophyes macrorhynchus Nal. sur Acer pseudoplatanus. L. Acad. des Sci. Compt. Rend. 235-1428-1430. Dec.1,1952. 505 P21

26508 MILETIĆ, R. A contribution to the biology of Aphis fabae Scop. (In Serbo-Croatian.) Zastita Bilja 10:66-72. 1952. 464.8 Z1
English summary.

26509 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. The passion vine leaf hopper (Scolypopa australis). N. S. Wales. Dept. Agr. Insect Pest L. 108,2 p. 1952. 423.92 N47

26510 NEWTON, J. H. A & M studies show fall sprays are effective in aphid control. Colo. Farm & Home Res. [Colo. Sta.] 3(3):6. Sept./Oct.1952. 100 C712Co

26511 PENDERGRAST, J. G. Studies on the biology of pentatomid bugs of the genus Rhopalimorpha Dallas (Heteroptera). Roy. Soc. New Zeal. Trans. 80:143-153. Sept.1952. 514 W46

26512 PETROSIAN, F. G. Experiments with new anti-Phylloxera preparations [dichlorethane and dichlorides]. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):39-41. Aug. 1952. 95.8 V77

26513 POPHAM, E. J. A preliminary investigation into the locomotion of aquatic Hemiptera and Coleoptera. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:117-119. Dec.19,1952. 420 L84Pa

26514 PRINTS, IA. I. Cultivation of grapes on their own roots in regions where Phylloxera has spread. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):41-44. June 1952. 95.8 V77
Chiefly insecticides.

26515 RIEHL, L. A., and LADUE, J. P. Evaluation of petroleum fractions against California red scale [Aonidiella aurantii] and citrus red mite [Metatetranychus citri]. Advn. Chem. Ser. 7:25-36. Ref. Aug.25,1952. 381 Ad93

26516 ROWELL, J. O., and WHITESIDE, A. M. The spittlebug [Cercopidae] and how to control it. Va. Agr. Col. Ext. C. 552,6 p.-folder. July 1952. 275.29 V81C

26517 RUPPEL, R. F., and DELONG, D. M. New species of Idona from Mexico (Homoptera: Cicadellidae). Lloydia 15:188-192. Sept.1952. 442.8 L77

26518 RYLE, G. B. The biology of Stollia fabricii Kirk. (=Eysarcoris melanocephalus F.). So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1951/52:126-130. Ref. 420 So8

26519 SAILER, R. I. The identity of Stenocephalus mexicanus Ashmead (Hemiptera, Coreidae). Ent. Soc. Wash. Proc. 54:301-303. Dec.1952. 420 W27

26520 SCHMUTTERER, H. Die ökologie der Cocciden (Homoptera, Coccoidea) Frankens. 2. Z. f. Angew. Ent. 33:544-584. Aug.1952. 421 Z36
Includes new species in Eriopeltis.

26521 SCHOUTEDEN, H. Aradidae novae africanae (Hem.) Rev. de Zool. et de Bot. Africaines 46:210-220. Aug.22,1952. 410 R326
Includes new species in Aradus, Burgeonia, Calisius, Mezira, Usingeria n.g., Neuroctenus, Hoberlandtiella, n.g., Aneurus, and Overlaetiella n.g.

26522 SCHUTZE, E. Die läuseplage im obstbau. Obstbauversring. Mitt. 7:51-52. Mar.1952. 85 J76

26523 SHILLING, W. E., and LEWIS, H. C. The yellow scale [Aonidiella citrina Coquillet] problem in central California. Calif. Citrog. 38:105-106. Jan.1953. 80 C125

26524 SMIT, B. Difference between cochineal insects [Dactylopius coccus] and mealybugs. Farming So. Africa 27:481-482. Oct.1952. 24 So842

26525 SOLAROLI, V., and BONGIOVANNI, G. C. Tests for winter control of Quadraspidiotus perniciosus Comst. (Fourth contribution.) (In Italian.) Agr. Ferrarese 56:61-67. Mar.31,1952. 16 Ag87

26526 SOUSA, J. S. I. DE. Scale insects of the quince tree. (In Portuguese.) Chacaras e Quintais 86: 675-677. Nov.15,1952. 9.2 C34
Brazil.

26527 SRIVASTAVA, A. S., and HULL, W. B. Effect of wind direction on the pea aphid [Macrosiphum pisi] control during dust application. Sci. & Cult. 18:191-192. Oct.1952. 475 Sci24

26528 USMAN, S., and RAJU, R. Some new hosts and control of the Lantana bug [Orthezia insignis]. Cur. Sci. 21:286-287. Oct.1952. 475 Sci23

26529 VIDAL, J. P. Hemiptères, Hétéroptères nouveaux du Maroc. Soc. des Sci. Nat. du Maroc B. 31:57-64. First Semes.1951,pub.1952. 515 So1
New species in Sciocoris, Stictopleurus, Marmottania, Plinthisus, Dictyonota, and Dicyphus.

26530 VILLIERS, A. Mission A. Villiers au Togo et au Dahomey (1950). XXI. Hémiptères. Inst. Franç. d'Afrique Noire. B. 14:1196-1213. Oct.1952. 515 D14
Includes new species in Prismatocerus, Phricodus, and Durmia.

26531 WAGNER, E., and SLATER, J. A. Concerning some Holarctic Miridae (Hemiptera, Heteroptera). Ent. Soc. Wash. Proc. 54:273-281. Dec.1952. 420 W27
Includes new species in Monalocoris.

26532 WAGNER, E. Sciocoris sahlbergi nov. spec., eine neue Pentatomidenart aus dem nahen Orient (Hem. Heteropt). Aschaffenburg. Natwiss. Mus. Nachr. 36:77-80. Aug.1952. 409.6 As2

26533 WEISS, H. B. Periodical cicada [Magicicada septendecim] in New Jersey in 1952. Ent. News [Philadelphia] 63:271-272. Dec.1952. 421 En88

26534 WIGGLESWORTH, V. B. Hormone balance and the control of metamorphosis in Rhodnius prolixus (Hemiptera). J. Expt. Biol. 29:620-631. Ref. Dec.1952. 442.8 B77

26535 WIGGLESWORTH, V. B. The thoracic gland in Rhodnius prolixus (Hemiptera) and its role in moulting. J. Expt. Biol. 29:561-570. Ref. Dec.1952. 442.8 B77

HYMENOPTERA

26536 BENOIT, P. L. G. Notes ichneumonologiques africaines. II. Rev. de Zool. et de Bot. Africaines 46:51-59. Aug.22,1952. 410 R326
Includes new species in Phorotrophus, Epirhyssa, Theronia and Sjöstedtella.

26537 BRIAN, M. V. Territory in ants. (Sum.) Glasgow Nat. 17:37-38. 1951. 472 G46
Myrmica rubra, M. scabrinodis, Formica fusca and Leptothorax acervorum.

26538 BROWN, W. L. On the identity of Adlerzia Forel (Hymenoptera: Formicidae). Pan-Pacific Ent. 28: 173-177. Oct.1952. 421 P193
Raised to genus status.

26539 BROWN, W. L., JR. The status of some Australian Amblyopone species (Hym.: Formicidae). Ent. News [Philadelphia] 63:265-267. Dec.1952. 421 En88

26540 CAKAR, LJ. Some data about Anastatus disparis R., the egg parasite of the gypsy moth [Porthetria dispar]. (In Serbo-Croatian.) Zaštita Bilja 9:13-26. 1952. 464.8 Z1
English summary.

26541 CHANDLER, L. Additional notes on Indiana bumble bees (Bombidae, Hymenoptera). Ind. Acad. Sci. Proc. 61:142-144. 1951,pub.1952. 500 In2

26542 EADY, R. D. A revision of section I (Mayr, 1872) of the genus Synergus (Hym. Cynipidae) in Britain, with a species new to science. Soc. Brit. Ent. Trans. 11: 141-152. Ref. Nov.4,1952. 420 So15

26543 FREISCHMIDT, K. Das leben einer räuberkönigin. Übersicht 3(10):57-61. Oct.1952. 18 Ub3
Wasps.

26544 GARDINER, B. O. C. Wasps attacking Pieris brassicae L. Ent. Rec. & J. Variation 64:355. Dec.1952. 421 En89

26545 GAUL, A. T. Additions to vespine biology. X. Foraging and chemotaxis. Brooklyn Ent. Soc. B. 47:138-140. Dec.1952. 420 B79

26546 GERMOND, D. DE. Note sur l'Eumenes arbustorum Panz. (Hym. Eumenidae). Soc. Ent. de France. B. 57:104-107. 1952. 420 F84B

26547 GRANT, H. J. Some morphological aspects of the larva of Myrmica brevinodis sulcinodoides (Hymenoptera: Formicidae). (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 103. Oct.1952. 500 C717

26548 GREGG, R. E. The ants of Colorado—a progress report. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:102. Oct.1952. 500 C717

26549 GUNN, W. B., and HOFF, C. C. The altitudinal distribution of ants in the Sandia Mountains of New Mexico. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:101. Oct.1952. 500 C717

26550 HEDWIG, K. Zwei neue Ichneumoniden. Aschaffenburg. Natwiss. Mus. Nachr. 36:81-85. Aug.1952. 409.6 As2

In Conoblasta and Exochus.

26551 HEINRICH, G. Ichneumonidae from the Allgäu, Bavaria. Ann. & Mag. Nat. Hist. (ser.12)5:1052-1089. Dec.1952. 410 An77

Includes new species in Ichneumon, Cratichneumon, Platylabops, Neischnus n.g., Cryptopimpla, Leptobatus, Lagarotis, Mesoleius, Cuboscopesis n.g., and Agrypon.

26552 HUNGATE, F. P., and MANNELL, T. J. Sulfur-35 as a mutagenic agent in Neurospora. Genetics 37: 709-719. Ref. Nov.1952. 442.8 G28

26553 HUSSEY, N. W. Megastigmus insects attacking conifer seed. Gt. Brit. Forestry Comn. Rpt. Forest Res. 1950/51:137-138. 1952. 99.9 G795Re

26554 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. DEPT. OF ENTOMOLOGY. Ridding buildings of bees, wasps, hornets and yellow jackets. Purdue U. Agr. Ext. Mimeog. E-44,1 p. June 1952. 423.9 In22

26555 KOEHLER, W. Fauna mrówek Pieninskiego Parku Narodowego. Fauna of ants in the National Park of Pieniny Mountains. Warszawa, Państwowe Wydawnictwo Rolnicze i Leśne,1951. 55 p. Ref. 426 K81

English summary.

26556 LE MASNE, G. Les échanges alimentaires entre adultes chez la fourmi Ponera eduardi Forel. Acad. des Sci. Compt. Rend. 235:1549-1551. Dec.10,1952. 505 P21

26557 LINSLEY, E. G., MACSWAIN, J. W., and SMITH, R. F. The bionomics of Diadasia consociata Timberlake and some biological relationships of emphorine and anthophorine bees (Hymenoptera, Anthophoridae). Calif. U. P. Ent. 9:267-290. 1952. 500 C125E

26558 LUSIS, E. Beachtet die eiablage der pflaumensägewespe. Hess. Obstbau 7:57-58. Apr.1952. 80 G1932

Hoplocampa flava and H. minuta.

26559 NIBLETT, M. A note on Rhodites eglanteriae Hartig, Cynipidae (Hym.). Entomologist 85:280-281. Dec.1952. 421 En8

26560 NIBLETT, M. Some notes on Andricus fecundator Htg. (Cynipidae, Hym.). So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1951/52:134-136. 420 So8

26561 OLBERG, G. Uber die blumenstetigkeit der bienen. Deut. Bienenztg. 7:161-162. Nov.1,1952. 424.8 D488

26562 PARROTT, A. W. New Zealand Ichneumonidae. II. Tribe Echtromorphini (Pimplinae). Roy. Soc. New Zeal. Trans. 80:155-170. Ref. Sept.1952. 514 W46

Lissopimpla excelsa and Echthromorpha intricatoria.

26563 PINTO, V. DI. The Pinetum of the Island of Ischia. (In Italian.) Italy. Ispettorato Prov. dell'Agr. di Napoli P. (n.s.)20,13 p. 1952. 16 It18P

Includes Blastophaga piniperda.

From Agricoltura Napoletana N. 2, Feb.1952.

26564 RAWLINGS, G. B. Progress in establishment of Iballia leucospoides, a parasite of Sirex noctilio, the horntail borer of pine. New Zeal. Sci. Rev. 10:107-108. July 1952. 475 N48

26565 SMITH, O. J. Biology and behavior of Microctonus vittatae Muesebeck (Braconidae), with descriptions of its immature stages. Calif. U. P. Ent. 9:315-343. Ref. 1952. 500 C125E

26566 SMITH, O. J. The biology of Microctonus vittatae Muesebeck, a braconid parasite of adult flea beetles, with particular reference to Phyllotreta striolata (Fabricius). Ohio. State U. Abs. Doct. Diss. 63:339-344. 1952. 241.8 Oh3

26567 SNELLING, R. Notes on nesting and hibernation of Polistes (Hymenoptera: Vespidae). Pan-Pacific Ent. 28:177. Oct.1952. 421 P193

26568 STEVENS, O. A. Hungry little hymenops. N. Dak. Outdoors 15(6):8-9. Dec.1952. 412.9 N815

26569 TIPPMANN, F. F. Ein hitziger kampf im urwald. Ent. Z. 62:113-119,125-127. Nov.1-15,1952. 421 En85

Between Pepsis and Mygale avicularia.

26570 WALRECHT, B. J. J. R. Notes on the wasps' nest referred to by Mr. W. H. Spreadbury in Proc. and Trans. S. Lond. Ent. and Nat. Hist. Soc. 1949-50: 83/4. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1951/52: 131-133. 420 So8

26571 WHEELER, G. C., and WHEELER, J. The ant larvae of the subfamily Ponerinae. II. Amer. Midland Nat. 48:604-672. Ref. Nov.1952. 410 M58

26572 WILCKE, J. The Dutch mud wasps [Eumenidae]. (In Dutch.) Levende Nat. 55:190-199. (Cont.) Oct. 1952. 410 L57

26573 WILSON, E. O. The Solenopsis saevissima complex in South America (Hymenoptera: Formicidae). Inst. Oswaldo Cruz. Mem. 50:60-68. Mar.1952. 448.9 In74

See also Apiculture and Apis mellifera.

LEPIDOPTERA

26574 ALBERTI, B. Nochmals über Malacosoma franconicum Esp. (Lep. Lasiocampidae). Ent. Z. 62:127-128. Nov.15,1952. 421 En85

26575 AMSEL, H. G. Neue maroccanische kleinschmetterlinge. Soc. des Sci. Nat. du Maroc. B. 31: 65-74. First Semes.1951,pub.1952. 515 So1

Includes new species in Eudoria, Platyptilia, Bactra, Laspeyresia, Blastobasis, and Nemapogon.

26576 ANHOURY, J. Deuxieme mise au point sur la destruction des pontes et des vers de la feuille du cotonnier [Prodenia litura]. Feuilles Agr. 10:33-45. First Q.1952. 24 F43

26577 ARNOLD, J. W. Effects of certain fumigants on haemocytes of the Mediterranean flour moth, Ephestia kühniella Zell. (Lepidoptera: Pyralididae). Canad. J. Zool. 30:365-374. Dec.1952. 470 C16D

26578 ARNOLD, J. W. The haemocytes of the Mediterranean flour moth, Ephestia kühniella Zell. (Lepidoptera: Pyralididae). Canad. J. Zool. 30:352-364. Ref. Dec.1952. 470 C16D

26579 BANERGEE, S. N., and FRENCH, R. A. A note on the variability in the appearance of the brood in some British Lepidoptera. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:111-116. Dec.19,1952. 420 L84Pa

26580 BARREAU, F. Drei interessante Papilio machaon-formen aus der umgebung von Köln. Ent. Z. 62: 129-130. Dec.1,1952. 421 En85

26581 BARTH, R. Die maennlichen duftorgane einiger brasilianischer Heliconiinae. Inst. Oswaldo Cruz. Mem. 50:387-422. Ref. Mar.1952. 448.9 In74

26582 BARTH, R. Studien ueber die duftorgane brasilianischer Hesperidae. 1. Inst. Oswaldo Cruz. Mem. 50:503-556. Ref. Mar.1952. 448.9 In74

26583 BEALL, G. Migration of the monarch butterfly [Danaus plexippus] during the winter. Lepidopterists' News 6:69-70. Nov.17,1952. 421 L554

Florida.

26584 BEIRNE, B. P. Some critical comments on the study of British Lepidoptera. Ent. Gaz. 3:197-210. Ref. Oct.1952. 421 En834

26585 BELKIN, J. N., and MCDONALD, W. A. Preparing Lepidoptera for class study. Lepidopterists' News 6:61-63. Nov.17,1952. 421 L554

26586 BILIOTTI, E. Difficultés rencontrées dans la détermination des périodes d'intervention contre les processionnaires du chêne et du pin. Rev. de Path. Vég. et d'Ent. Agr. de France 31:115-120. Ref. 1952. 464.9 So1

Thaumetopoea processionea and T. pityocampa.

26587 BOGAVAC, M. Liste des plantes-hôtes de Hyphantria cunea Dr. constatées jusqu'a present en Yougoslavie. (In Serbo-Croatian.) Zaštita Bilja 9:90-92. 1952. 464.8 Z1

French summary.

26588 BOHM, H. Auftreten von Carpocapsa dannehli Obr. in Osterreich. Pflanzenschutzberichte 9:100. Oct. 1952. 464.9 P48

26589 BOHM, H., and PSCHORN-WALCHER, H. Biologie und bekämpfung von Hyphantria cunea Drury (Lepidopt., Arctiidae—weisser bärenspinner). Pflanzenschutzberichte 9:105-150. Ref. Nov.1952. 464.9 P48
English summary.

26590 BOHM, H. Der "Marlinger birnwurm" [Carpocapsa dannehli] ein neuer schädling unserer birnen. Pflanzenarzt 5(12):1-2. Dec.1,1952. 464.9 P482

26591 BOHM, H., and PSCHORN-WALCHER, H. Der weisse bärenspinner [Hyphantria cunea] im jahre 1952. Pflanzenarzt 5(12):3-5. Dec.1,1952. 464.9 P482

26592 BOX, H. E. Investigaciones sobre los taladradores de la caña de azucar (Diatraea spp.) en Venezuela; el proyecto del combate biologico, informe del progreso durante 1949-1951. Venezuela. Inst. Nac. de Agr. B. Téc. 5,52 p. July 1952. 9.95 M32
English summary.

26593 BRADLEY, J. D. Coleophora gotlandica Benqnder, 1939 a synonym of C. teidensis Walsingham, 1908. Ent. Gaz. 3:191. Oct.1952. 421 En834

26594 BRADLEY, J. D. Microlepidoptera collected in the Burren, Co. Clare, Ireland in 1951, including two species new to the British list. Ent. Gaz. 3:185-192. Oct.1952. 421 En834

26595 BUSCAROLI, G. F. Experiments with parathion for the control of Carcocapsa pomonella L. (In Italian.) Riv. di Frutticolt. 14:167-170. Oct.1952. 80 R52
English summary.

26596 COCKAYNE, E. A. Interesting aberrations of British Macrolepidoptera bred by A. V. Hedges. Entomologist 85:265-270. Dec.1952. 421 En8

26597 COCKAYNE, E. A. A new melanic mutation in Gonodontis bidentata Clerck. Ent. Rec. & J. Variation 64: 334-335. Dec.1952. 421 En89

26598 COLAMARIA, F. Noctuid of sown crops [Agrotis segetum]. (In Italian.) Agr. Ferrarese 56:132-134. June 30,1952. 16 Ag87

26599 COLAMARIA, F. Pyrausta nubilalis on corn and hemp. (In Italian.) Agr. Ferrarese 56:43-46. Feb. 29,1952. 16 Ag87

26600 COMMON, I. F. B. Migration and gregarious aestivation in the Bogong moth, Agrotis infusa. Nature [London] 170:981-982. Dec.6,1952. 472 N21

26601 COSTA LIMA, A. DA. On some Noctuidae seldom noted in literature (Lepidoptera). (In Portuguese.) Inst. Oswaldo Cruz. Mem. 50:259-263. Mar.1952. 448.9 In74

26602 COSTA LIMA, A. DA. On two Microlepidoptera (Tortricoidea, Graptolithidae). (In Portuguese.) Inst. Oswaldo Cruz. Mem. 50:249-257. Mar.1952. 448.9 In74
Laspeyresia, including L. cassiana n. sp.

26603 DIAKONOFF, A. Entomological results from the Swedish expedition 1934 to Burma and British India. Lepidoptera collected by René Malaise. Arkiv. f. Zool. (ser.2)3:59-94. 1952. 410.9 Sv22
Includes new genera Ceramea, Phaulolechia, Desiarchis, Panplatyceros, Anoecea and Uranophenga; new species in Brachmia, Aeolanthes, Lecithocera, Cryptolechia, Adoxophyes, Imma, Homona, Neocalyptis, Peronea and Meridarchis.

26604 DUPREE, M., and BECKHAM, C. M. Progress report of insecticide tests for control of pickleworm [Diaphania nitidalis] on cucurbits. Ga. Agr. Expt. Sta. Mimeog. Ser. 39,8 p. Jan.1952. 100 G29M

26605 FALDINI, J. P., and PASTRANA, J. A. B. thuringiensis B., agente entomógeno de Colias lesbia F. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(55):5. July 1952. 9 Id3
Research in biological control of Colias lesbia.

26606 FIORITO, G. Spring control of apple and pear caterpillars. (In Italian.) Italy. Ispettorato Prov. dell' Agr. de Napoli. C. 6:3-5. 1952. 16 It18
Carpocapsa, Hoplocampa and Hyponomeuta.

26607 FRANCLEMONT, J. G. Four undescribed moths from eastern North America, with notes on closely related species (Lepidoptera, Phalaenidae olim Noctuidae.). Brooklyn Ent. Soc. B. 47:123-137. Dec.1952. 420 B79
In Euagrotis, Leucania, Eupsilia and Apamea.

26608 FRIEDEMANN, H. Ein weiterer beitrag zur lebensweise von Mamestra tincta Brahm. und M. advena F. Ent. Z. 62:132-133. Dec.1,1952. 421 En85

26609 GOTTHARDT, H. Verzeichnis der kleinschmetterlinge Mainfrankens. Aschaffenburg. Natwiss. Mus. Nachr. 36:19-52. Aug.1952. 409.6 As2

26610 GRABE, A. Sphinx ligustri L. als spatzenfutter. Z. f. Lepidopterologie 2:120. Oct.1,1952. 421 Z3

26611 GRANOVSKY, A. A. How to control cutworms. Minn. U. Agr. Ext. Folder 171,8 p. June 1952. 275.29 M66Ex

26612 GRAY, P. H. H. The weights of fresh and dried butterflies. Lepidopterists' News 6:73. Nov.17, 1952. 421 L554

26613 GRISON, P. La processionnaire du chéne (Thaumetopoea processionea L.) dans la région parisienne. Rev. de Path. Vég. et d'Ent. Agr. de France 31:103-114. 1952. 464.9 So1

26614 HACKRAY, J. Les anomalies des élevages. Lambillionea 52:57-58. Sept.25/Oct.25,1952. 420 N15
Notodontidae.

26615 HARTWEIG, F. Zwei neue formen von Myelois cribrella Hbn. (Pyralidae, Phycitinae). Z. f. Lepidopterologie 2:104. Oct.1,1952. 421 Z3

26616 HARZ, K. Vom höhenflug der wanderfalter. Ent. Z. 62:120. Nov.1,1952. 421 En85

26617 HEIDELBERGER, K. Stegania trimaculata Vill. ab. cognataria Led. Ent. Z. 62:112. Oct.15,1952. 421 En85

26618 HENZE. Das ende der eichenwicklersorgen. Allg. Forstz. 7:531-533. Dec.24,1952. 99.8 AL52
Tortrix viridana; birds in insect control.

26619 HERBULOT, C. Captures d'Eupithecia faites à Buré (Meurthe et Moselle). Lambillionea 52:51-55. Sept.25/Oct.25,1952. 420 N15

26620 HIBBS, E. T. An investigation of European corn borer [Pyrausta nubilalis] populations as related to corn planting dates. Ohio State U. Abs. Doct. Diss. 63:113-116. 1952. 241.8 Oh3

26621 HOWARTH, T. G. Collecting Lepidoptera in the South of France in 1950 and 1951. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1951/52:55-65. 420 So8

26622 JANMOULLE, E. Espèces nouvelles pour la faune belge. Lambillionea 52:49-50. (Cont.) Sept.25/Oct.25,1952. 420 N15
Microlepidoptera.

26623 JANMOULLE, E., and HACKRAY, J. Remarques sur la faune belge. Lambillionea 52:58-59. (Cont.) Sept.25/Oct.25,1952. 420 N15
Lepidoptera.

26624 JOVANOVIĆ, M. Let's destroy Aporia crataegi L.—an enemy of our fruit trees. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(14):24-25. Oct.1952. 21.5 V87

26625 KERNBACH, K. Einige beobachtungen an Pergesa elpenor L. Ent. Z. 62:133-136. Dec.1,1952. 421 En85

26626 KERNBACH, K. Eine neue unterart von Proto parce diffissa Btlr. aus Bolivien (Sphingidae). Z. f. Lepidopterologie 2:129-130. Oct.1,1952. 421 Z3

26627 KIRIAKOFF, S. G. Anapisa gen. nov. (Arctiidae, Lepidoptera). Rev. de Zool. et de Bot. Africaines 46:173-178. Aug.22,1952. 410 R326

26628 KRETIĆ, M. Beet moth [Gnorimoschema ocellatella]—a serious enemy of sugar beet. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(14):25. Oct. 1952. 21.5 V87

26629 LATTIN, G. DE. Two new subspecies of Hipparchia semele Linnaeus. Ent. Rec. & J. Variation 64:335-336. Dec.1952. 421 En89

26630 LEDERER, G. Verbreitung, erscheinungszeiten, entwicklung und lebensweise von Lemonia taraxaci taraxaci (Esper, 1782). Z. f. Lepidopterologie 2:121-127. Ref. Oct.1,1952. 421 Z3

26631 LEINFEST, J. Über das töten von Zygaenen. Ent. Z. 62:131-132. Dec.1,1952. 421 En85

26632 LESSE, H. DE. Quelques formules chromosomiques chez les Lycaenidae (Lépidoptères, Rhopalocères). Acad. des Sci. Compt. Rend. 235:1692-1694. Dec.22,1952. 505 P21

26633 LOMAKINA, M. I., and MEDVEDEVA, V. I. American white butterfly [Hyphantria cunea]. (In Russian.) Sad i Ogorod 10:76. Oct.1952. 80 Sa13
Not in USSR.

26634 LOOMIS, C. D. On the trail of a butterfly. Nat. Mag. 46:6. Jan.1953. 409.6 N214
Amblypodia loomisi.

26635 MAKINO, K., and others. Sex in Pieris rapae L. and the pteridin content of their wings. Nature [London] 170:933-934. Nov.29,1952. 472 N21
K. Satoh, M. Koike, and N. Ueno, joint authors.

26636 MATHER, B. The names of certain butterflies of the eastern United States. Lepidopterists' News 6:74-76. Nov.17,1952. 421 L554

26637 MAYER, K. Der weisse bärenspinner [Hyphantria cunea], ein neuer grossschädling von internationaler bedeutung. Deut. Landwirt. 3:627-629. Ref. Dec.1952. 18 D4822

26638 MORLEY, A. M., and YOUDEN, G. H. The first appearance of Thalera fimbrialis Scop. (Lep: Geometridae) in Kent. Ent. Gaz. 3:193-195. Oct.1952. 421 En834

26639 MOTHS—scourge of wool textiles. (In Portuguese.) Rev. Duperial do Bras. 67:12-17. May/June 1952. 385 R327
Control.

26640 MÜLLER, J. Eine gelungene zucht von Stauropus fagi L. Ent. Z. 62:130-131. Dec.1,1952. 421 En85

26641 NEWMAN, L. H. Why moths fly into the light. Country Life [London] 112:1729. Nov.28,1952. 80 C83

26642 NONVEILLER, G. Pectinophora gossypiella Saund en Yougoslavie. (In Serbo-Croatian.) Zastita Bilja 10:73-82. Ref. 1952. 464.8 Z1
French summary.

26643 ORFILA, R. N. Cambios nomenclatoriales en Nymphalidae (Lep.). Soc. Cient. Argentina. An. 154:102-104. Sept.1952. 516 So1
Includes Callicorini n.n., and Catonephelini n. n.

26644 OVERLAET, F. G. La "curiosité" chez les papillons. Lambillionea 52:55-56. Sept.25/Oct.25,1952. 420 N15
Erebia aethiops.

26645 PARMENTER, L. Stigmella samiatella Zell. (Lep., Stigmellidae) as a British insect. Ent. Mon. Mag. 88:286. Dec.1952. 421 En86

26646 PASSLOW, T. Armyworm [Cirphis unipuncta] control in cereal crops. Queensland Agr. J. 75:242-244. Oct.1952. 23 Q33

26647 PASSLOW, T. Heliothis [armigera] control in linseed. Queensland Agr. J. 75:240-241. Oct.1952. 23 Q33

26648 PAVLOV, I. F. Stalk borer and measures for its control. (In Russian.) Selek. i Semen. 19(10):70-73. Oct.1952. 61.9 Se5
DDT and benzene hexachloride for control of caterpillars in grain.

26649 PETRIK, C. Observations on the appearance of Nygmia phaeorrhoea Don in Voyvodina. (In Serbo-Croatian.) Zastita Bilja 10:49-52. 1952. 464.8 Z1
English summary.

26650 PIEPHO, H. Die metamorphose der Lepidopteren in ihrer abhängigkeit von hormonen. Z. f. Lepidopterologie 2:105-119. Ref. Oct.1,1952. 421 Z3

26651 REID, W. Collecting notes, 1952. Ent. Rec. & J. Variation 64:339-342. (Cont.) Dec.1952. 421 En89
Lepidoptera.

26652 ROELL, L. Lepidopterologischer streifzug durch Korsika. Z. f. Lepidopterologie 2:131-140. Ref. Oct.1,1952. 421 Z3

26653 RUDNEV, D. F., and ZAGAĬKEVICH, I. K. Method of toxic belts in the control of pine moth [Dendrolimus pini]. (In Russian.) Lesn. Khoz. 5(7):56-57. July 1952. 99.8 L5622

26654 RUNGS, C. Notes de lépidoptérologie marocaine. XVIII. Soc. des Sci. Nat. du Maroc. B. 31:75-92. First Semes.1951,pub.1952. 515 So1
Includes new species in Phigalia and Parasa.

26655 SCHADE, F. H. Die Morphos von Paraguay. Ent. Z. 62:105-107. Oct.15,1952. 421 En85

26656 SCHENK, P. J. The browntail moth, Nygmia phaeorrhoea. (In Dutch.) Groenten en Fruit 8:278. Oct. 23,1952. 80 G89
On fruit.

26657 SCHUDER, D. L. The bagworm [Thyridopteryx ephemeraeformis] in Indiana. Ind. Acad. Sci. Proc. 61: 159-164. 1951,pub.1952. 500 In2

26658 SCHULTE, A. Caloplusia hochenwarthi Hochenw. ssp. lapponaris m. ssp. n. Ent. Z. 62:121-122. Nov.15,1952. 421 En85

26659 SHULL, E. M. Migration of Catopsilia butterflies in India. Lepidopterists' News 6:68-69. Nov.17, 1952. 421 L554

26660 STEMPFFER, H. Contribution à l'étude des Lycaenidae (Lep.) de la faune éthiopienne. Soc. Ent. de France. B. 57:114-121. 1952. 420 F84B
Includes new species in Euchrysops and Thermoniphas.

26661 STÖCKEL, K. Horisme corticata Tr. (Geometridae) in der Mark Brandenburg. Z. f. Lepidopterologie 2:127-128. Oct.1,1952. 421 Z3

26662 SYMES, H. Some observations on Odontosia carmelita Esper. Ent. Rec. & J. Variation 64:337-339. Dec.1952. 421 En89

26663 TAYLOR, F. The maize-stalk borer [Busseola fusca] in the eastern Orange Free State. Farming So. Africa 27:450,452. Oct.1952. 24 So842

26664 URBAHN, E. Die jugendstände und das weibchen von Cabera leptographa Wehrli (Geometridae). Z. f. Lepidopterologie 2:97-104. Oct.1,1952. 421 Z3

26665 VIETTE, P. E. L. Contribution à l'étude des Hepialidae (Lepidoptera). 23. Nathist. Mus. in Wien. Ann. 58:140-144. 1951. 410.9 V672
Includes new species in Aepytus, Paragorgopis n.g., Lamelliformia n.g., and Philaenia.

26666 VIETTE, P. E. L. Contribución al estudio de los Hepialidae. Soc. Venezol. de Cien. Nat. B. 14(78):27-30. 1952. 516 C172
Gymelloxes n.g., and Pfitzneriana n.g.

26667 WAKELY, S. Notes on Ethmia bipunctella Fabr. and E. terminella Fletcher. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1951/52:144-145. 420 So8

26668 WILD, W. Why chasing butterflies? Sanctuary News 12(3):17-20. Nov.1952. 410 Sa5

See also Sericulture and the Silkworm.

ORTHOPTERA

26669 ALEXANDER, G. The Orthoptera of Dinosaur National Monument. (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 101-102. Oct.1952. 500 C717

26670 ARRIETA M., L., and CORONADO PADILLA, R. La campaña contra la langosta en México y Centroamérica. Asoc. Gen. de Agr. B. 326:6-7. (Concl.) Oct.30,1952. 8 As52

26671 BEREZHKOV, R. P. Injurious grasshoppers of Western Siberia and their control. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:265-272. 1951. 511 T59

26672 BURR, M. The genus Anadolua Ramme. Ent. Rec. & J. Variation 64:359-360. Dec.1952. 421 En89

26673 CHIAROMONTE, A. The annual meeting of the Desert Locust Survey Advisory Committe of Nairobi. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:247-250. July/Sept.1952. 26 Ag82
English summary.

26674 EBNER, R. Zur näheren kenntnis einer boreoalpinen Orthopteren-art (Aeropedellus variegatus F.-W.). Nathist. Mus. in Wien. Ann. 58:108-117. Ref. 1951. 410.9 V672

26675 GRIFFITHS, J. T. Observations on peel injury to Pope Summer oranges in the Vero Beach area. Fla. Ent. 35:127-133. Dec.1952. 420 F662
Probably caused by Hapithus agitator.

26676 GRIFFITHS, J. T. Some biological notes on katydids in Florida citrus groves. Fla. Ent. 35:134-138. Dec.1952. 420 F662
Microcentrum rhombifolium chiefly.

26677 HELWIG, E. R. Chromosomal variations correlated with geographical distribution in Trimerotropis suffusa (Orthoptera). (Abs.) Colo.-Wyo. Acad. Sci. J. 4: 91-92. Oct.1952. 500 C717

26678 HOGAN, C. A. La lucha contra la langosta. Bolsa de Com. Rosario. Rev. 40(979):7-8. Oct.31,1952. 287 R71

26679 JOLY, P. Déterminisme de la pigmentation chez Acrida turrita L. (insect orthoptéroïde). Acad. des Sci. Compt. Rend. 235:1054-1056. Nov.3,1952. 505 P21

26680 JOLY, P. Production d'adultoïdes chez Locusta migratoria L. (Insecte orthoptéroïde). Acad. des Sci. Compt. Rend. 235:1555-1557. Dec.10,1952. 505 P21

26681 KEVAN, D. K. M. On the systematic position of two anomalous genera previously placed in the subfamily Pyrgomorphinae (Orth., Acrididae). Ent. Mon. Mag. 88: 265-272. Ref. Dec.1952. 421 En86
Borneacris and Xyronotus.

26682 KEVAN, D. K. M. A summary of the recorded distribution of British orthopteroids. Soc. Brit. Ent. Trans. 11:165-180. Ref. Nov.4,1952. 420 So15

26683 MERCER, E. H., and DAY, M. F. The fine structure of the peritrophic membranes of certain insects. Biol. B. 103:384-394. Ref. Dec.1952. 442.8 B52
Mainly Periplaneta americana; details determined by electron microscopy.

26684 MERINO, G. Locust situation. Philippines. Bur. Plant. Indus. Plant Indus. Digest 15(8/9):3-4,2. Aug./Sept.1952. 25 P544P
Philippines.

26685 MUKERJI, S., and CHATTERJEE, S. N. A technique for determining accurately the areas of contact of the body of insects in locomotion with the ground surface. Cur. Sci. 21:285-286. Oct.1952. 475 Sci23
Schistocerca gregaria.

26686 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. The Australian plague locust (Chortoicetes terminifera). Agr. Gaz. N. S. Wales 63:547-548,557-559. Oct.1952. 23 N472

26687 NORRIS, M. J. Reproduction in the desert locust (Schistocerca gregaria Forsk.) in relation to density and phase. Brit. Mus. (Nat. Hist.) Anti-Locust B. 13,49 p. Ref. 1952. 420 B772A

26688 OTANES, F. Q. The migratory locust [Locusta migratoria manilensis] in the Philippines and its control. Philippines. Bur. Plant Indus. Plant Indus. Digest 15 (8/9):25-32. Aug./Sept.1952. 25 P544P

26689 PASQUIER, R., COLONNA-CESARI, X., and BONFILS, J. Sur la détermination des régions grégarigènes du criquet marocain Dociostaurus maroccanus Thünbg en Corse. Acad. des Sci. Compt. Rend. 235:1157-1159. Nov.10,1952. 505 P21

26690 PROCTOR, N. K. The effects of calcium on isolated arthropod muscle fibers. Biol. B. 103:421-432. Dec.1952. 442.8 B52
Includes experiments with Schistocerca americana.

26691 RAMME, W. Orthoptera der Sven Hedin-Expedition nach China 1927-30. Arkiv. f. Zool. (ser.2)3: 19-23. 1952. 410.9 Sv22
Includes new species in Dociostaurus and Eremippus.

26692 ROTH, L. M. The tergal gland of the male cockroach, Supella supellectilium. J. Morph. 91:469-475. Ref. Nov.1952. 444.8 J826

26693 SERAVALLI C., F. El combate de la langosta. Col. de Ingen. Agron. An. 4:28-35. 1951. 58.9 C82
Costa Rica.

26694 SERAVALLI C., F. El combate de la langosta. Costa Rica. Min. de Agr. e Indus. Secc. de P. y Bibliot. B. Téc. 8,8 p. 1952. 8 C827

26695 SMIT, B. Crickets, their habits and their control. Farming So. Africa 27:455-456. Oct.1952. 24 So842

26696 STROHECKER, H. F. Descriptions of new species and notes on North American Orthoptera. Amer. Midland Nat. 48:683-688. Nov.1952. 410 M58
New species in Microcentrum, Xanthippus and Agymnastus.

26697 VINSON, E. B. The effect of temperature on several factors influencing the toxicity of DDT to Periplaneta americana L. Urbana,1952. 4 p. 429 V78
Abstract of thesis - University of Illinois.

26698 VOY, A. Le développement embryonnaire, larvaire et la croissance pondérale du Phasme (Clonopsis gallica Charp.). Acad. des Sci. Compt. Rend. 235: 1338-1340. Nov.24,1952. 505 P21

26699 WEIDNER, H. Heuschreckenprobleme in Australien. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:323-326. Ref. Sept./Oct.1952. 464.8 Z3
English summary.

26700 WET, W. J. DE, and WEBB, D. VAN V. Field observations on the behaviour of hoppers of the brown locust [Locustana pardalina] in the swarming phase. Union So. Africa. Dept. Agr. Sci. B. 337,38 p. Ref. 1951. 24 So84S

SERICULTURE AND THE SILKWORM

26701 BUONOCORE, C. Exfoliation in silk and exfoliation fibres in the cocoons. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1289-1306. 1952. 16 An76
English summary.

26702 GONZÁLEZ MARÍN, F. La crianza del gusano de seda. Textil (ser.2)104:27-29. Sept.1952. 304.8 T3137

26703 LOMBARDI, P. L. Abnormalities in the silkworms of the 'S. A.' No.2 race. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1475-1492. 1952. 16 An76
English summary.

26704 LOMBARDI, P. L. A study of the muscardine disease [Botrytis bassiana] of the silkworm. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1447-1473. 1952. 16 An76
English summary.

26705 MALUCELLI, P. Effects of gesarol on the silkworm cultures. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1497-1505. 1952. 16 An76
English summary.

26706 TOUMANOFF, C., and VAGO, C. L'effet de l'alcalinité du milieu de culture sur la virulence de Bacillus cereus var. alesti Toum. et Vago, pour les vers à soie. Acad. des Sci. Compt. Rend. 235:1715-1717. Dec.22,1952. 505 P21

SMALLER ORDERS

26707 AUBERT, J. Plécoptères pyrénéens. Notes sur le genre Pachyleuctra Despax et description de quelques larves nouvelles. Soc. Ent. de France. B. 57: 121-126. 1952. 420 F84B

26708 BOIRON, H. Acquisitions récentes sur les puces domiciliaires de la ville de Dakar. Soc. de Path. Exot. B. 45:688-694. 1952. 448.9 So13
Synosternus and Pulex found.

26709 BURRAGE, U. A. Diatom feeding by nymphs of Nemoura cinerea Retz (Plec: Nemouridae); and resistance to desiccation. Ent. Gaz. 3:212. Oct.1952. 421 En834

26710 CALVERT, P. P. New taxonomic entities in Neotropical Aeshnas (Odonata: Aeshnidae). Ent. News [Philadelphia] 63:253-264. Dec.1952. 421 En88
Includes new genus Castoraeschna and new species in Coryphaeschna.

26711 CLEMENTS, W. B. Why do subs build multiple tunnels? Pest Control 21:28. Jan.1953. 449.8 Ex8

26712 COSTA LIMA, A. DA, and COSTA LEITE, I. DA. A Psocoptera of the family Amphientomidae from South America. (In Portuguese.) Inst. Oswaldo Cruz. Mem. 50:271-275. Mar.1952. 448.9 In74
In Soa.

26713 DUSTAN, A. G. Standard control recommendations for the gladiolus thrips [Taeniothrips simplex]. Canada. Sci. Serv. Div. Ent. Processed P. 69,5 p. Sept. 1952. 423.92 C16P

26714 EDWARDS, J. Tinodes rostocki McL. (Trichoptera) in Staffordshire. Soc. Brit. Ent. J. 4:111-112. Nov.4,1952. 420 En85J

26715 EWART, W. H., and ELMER, H. S. To control citrus thrips dieldrin tests show promise. Fruit & Veg. Rev. 14(9):22. Dec.1952. 80 C1224

26716 FREIRE, J. J. Lice in swine. (In Portuguese.) Granja [Porto Alegre] 7(58):48-49. Jan.1952. 9.2 G76
Haematopinus suis.

26717 GILES, E. T. The growth of the head capsule and antennae of Anisolabis littorea (White) (Dermaptera: Labiduridae). Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:91-98. Ref. Dec.19,1952. 420 L84Pa

26718 GIOVAGNONI, G. Ectoparasites of poultry: pediculosis. (In Italian.) Croce Azzurra 3(4):29-33. July/Aug.1952. 41.8 C87

26719 GISIN, G. Oekologische studien über die Collembolen des blattkomposts. Rev. Suisse de Zool. 59: 543-578. Ref. Dec.1952. 410 R324

26720 GISIN, H. Collemboles récoltés dans des grottes du moyen Atlas. Soc. des Sci. Nat. du Maroc. B. 31:53-56. First Semes.1951,pub.1952. 515 So1

26721 HARDEN, P. H., and MICKEL, C. E. The stoneflies of Minnesota (Plecoptera). Minn. Agr. Expt. Sta. Tech. B. 201,84 p. Ref. June 1952. 100 M66

26722 HELSON, G. A. H. Notes on the occurrence of Eugynothrips n.sp. new to N. Z. New Zeal. Sci. Rev. 10:102. July 1952. 475 N48

26723 HICKIN, N. E. Caddis; a short account of the biology of British caddis flies with special reference to the immature stages. London,Methuen,1952. 49 p. Ref. (Field Study Books 5) 432 H52

26724 HICKIN, N. E. Larvae of the British Trichoptera. 34. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 27:89-90. Dec.19,1952. 420 L84Pa
Tinodes assimilis.

26725 HOLLAND, G. P., and JELLISON, W. L. On Mioctenopsylla Rothschild, a genus of Siphonaptera (Ceratophyllidae), with description of a new species. Canad. Ent. 84:374-379. Dec.1952. 421 C16

26726 HOOD, J. D. Mecynothrips snodgrassi, a new thrips from the Solomon Islands (Thysanoptera). Ent. Soc. Wash. Proc. 54:294-301. Dec.1952. 420 W27

26727 HOWE, W. L., and MILLER, L. I Report on the systemic control of thrips and leafhoppers injurious to peanuts. (Abs.) Va. J. Sci. (n.s.)3:279. Sept.1952. 470 V81

26728 HUGHES, G. M. 'Giant' fibres in dragonfly nymphs. Nature [London] 171:87-88. Jan.10,1953. 472 N21

26729 JACOBS, M. E. Mating behavior of Perithemis tenera Say and Plathemis lydia Drury (Odonata, Libellulidae) and its bearing on the theories of sexual selection. (Abs.) Ind. Acad. Sci. Proc. 61:141. 1951,pub.1952. 500 In2

26730 JOUBERT, C. J. Earth fleas and black sandmites. Farming So. Africa 27:492. Nov.1952. 24 So842

26731 KELER, S. V. Ein beitrag zur kenntnis der eichhörnchenlaus Neohaematopinus sciuri Jancke. Z. f. Angew. Ent. 33:585-599. Ref. Aug.1952. 421 Z36

26732 KEMPER, H. E., and PETERSON, H. O. Hog lice and hog mange; methods of control and eradication. U. S. D. A. Farmers' B. 1085,rev.,22 p. Nov.1952. 1 Ag84F

26733 KIMMINS, D. E. Agrypnetes crassicornis McLachlan (fam. Phryganeidae), a caddis fly new to Britain. Ann. & Mag. Nat. Hist. (ser.12)5:1039-1043. Dec.1952. 410 An77

26734 KIMMINS, D. E. Entomological results from the Swedish expedition 1934 to Burma and British India. Trichoptera. 1. Arkiv. f. Zool. (ser.2)3:173-178. 1952. 410.9 Sv22

26735 MARCIL, B. Les poux, ennemis du bétail. Foyer Rur. [Montreal] 11(12):10,19. Oct.1952. 7 F83
Control.

26736 MAYO, V. K. New western Ephemeroptera, IV, with notes. Pan-Pacific Ent. 28:179-186. Oct.1952. 421 P193
Includes new species in Ephemerella and Cinygmula.

26737 OKSALA, T. Chiasma formation and chiasma interference in the Odonata. Hereditas 38:449-480. Ref. 1952. 442.8 H42

26738 PACLT, J. A new British subspecies of Folsomia sexoculata (Tullb.) (Collembola, Isotomidae). Ent. Mon. Mag. 88:277-280. Dec.1952. 421 En86

26739 RICHARDSON, B. H. Control of onion thrips [Thrips tabaci] in the Winter Garden area of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1500,2 p. Oct.9,1952. 100 T31P

26740 SCHMIDT, E. Uber auffindung der letzten larvenhäute der libelle Lestes dryas Kirby. Ent. Z. 62: 122-125. Nov.15,1952. 421 En85

26741 SCHÖTTNER, A. Über ein weiteres vorkommen von Somatochlora alpestris Selys und Somatochlora artica Zett. (Odonata) in der Tschechoslowakei. Ent. Z. 62:107-112. Ref. Oct.15,1952. 421 En85

26742 SMIT, F. G. A. M. A new flea [Delotelis hollandi] from western North America (Siphonaptera, Hystrichopsyllidae, Neopsyllinae). Ent. Soc. Wash. Proc. 54:269-273. Dec.1952. 420 W27

26743 SNYDER, T. E. A new Rugitermes from Guatemala (Isoptera, Kalotermitidae). Ent. Soc. Wash. Proc. 54:303-305. Dec.1952. 420 W27

26744 SNYDER, T. E. Past termite research predicts future trends. Pest Control 20(12):14,16,18. Dec. 1952. 449.8 Ex8

26745 STANNARD, L. J. The phylogeny and reclassification of the North American genera of Phlaeothripidae (Thysanoptera: Tubulifera). Urbana,1952. 3 p. 431.7 St2
Abstract of thesis - University of Illinois.

26746 THOMPSON, G. B. A record of Echidnophaga gallinaceus (Westwood) (Siphonaptera) from Skokholm Island. Ent. Mon. Mag. 88:281. Dec.1952. 421 En86

26747 VITÉ, P. Merkmale und verlauf des lärchenwipfelsterbens. Holz-Zentbl. 78:1983-1984. Ref. Nov.29,1952. 99.81 H742
Caused by Taeniothrips laricivorus.

26748 WILSON, H. B. Termites in southern Victoria. Victoria. Dept. Agr. J. 50:471-472. Oct.1952. 23 V66J

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

26749 AHRER, K. Tod in der jauchegrube. Bauer 5(31):3-4. Sept.13,1952. 19 B32
From methane gas.

26750 ARKWRIGHT, B. R. A new farm road. Worchestershire Agr. Chron. 20:261,263,265,267,269. Sept./Nov.1952. 10 W892

26751 BAKER, R. H. Fatal accidents to Ohio farm people, 1950. Ohio. State U. Dept. Agr. Econ. & Rur. Sociol. Mimeog. B. 226,6 p. July 1951. 281.9 Oh32

26752 BLENK. Strömungsforschung und landtechnik. Landbforsch. Völkenrode 2:38-39. Apr.1952. 18 L2353

26753 ĆIPLIĆ, Ž. J. Požarno-preventivne mere y selima i naseljima, na zadružnim i poljoprivrednim imanjima i u privredi [Fire, preventive measures in villages and settlements, on cooperative and agricultural property, and in the economy generally]. Beograd, Izdanje Državnog Osiguravajućeg Zavoda,1951. 56 p. (Biblioteka "Zaštita Imovine" 1) 296.6 C49

26754 FARRALL, A. W., and MILLER, L. G. Engineering research on agricultural problems. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:213-215. 1951. 4 As7

26755 FOSS, E. W. Rural fire protection; a report. N. Y. Agr. Col. Ext. Cornell Misc. B. 13,23 p. Jan.1953. 275.29 N48Cm

26756 HEIMPEL, L. G. Carleton Co. farmsteads; an improvement campaign has resulted in better living and increased property values for farmers in one county of eastern Ontario. Family Herald & Wk. Star 83(49):7,12. Dec.4,1952. 7 F21

26757 HELDRETH, H. Providing safe farms for the older people in agriculture. Farm Safety Rev. 11:11-14. Jan./Feb.1953. 449.8 F22

26758 LONG, J. D. Opening remarks of panel leader. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65: 212-213. 1951. 4 As7
On agricultural engineering.

26759 MAURER, E. Wie soll man landmaschineningenieur werden? Tech. f. Bauern u. Gart. Ausg. A 4: 447-448. Oct.10,1952. 58.8 T223

26760 MIQUEL Y CUSCO, J. Fuego en las "gavarras" de Gerona. Ceres [Valladolid] 17(196):7,9. Oct.1,1952. 15 C33

26761 MISSOURI. CONSERVATION COMMISSION. Farm ponds; their utilization by wildlife, by G. A. Greenwell, II. Jefferson City?1952. 23 p. 412.9 M69F

26762 PHIPPS, L. J. Teaching safety. Co. Agent & Vo-Ag Teacher 8(12):8-9. Dec.1952. 275.28 N213

26763 PIEL-DESRUISSEAUX, J. Les accidents du travail en agriculture. Agriculture [Paris] 16:235-238. Oct.1952. 14 Ag823

26764 RABU, S. Le problème de la voirie agricole. Génie Rur. 45:321-322. Nov.1952. 58.8 Au8
France.

26765 ROSSI, R. P. The fire of the four farms in Grugliasco brings up the problem of rural building improvement in villages. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:441-412. Oct.1952. 16 C72

26766 SCHRAMM, G. Vermessungstechnik im kultur- und gartenbau. Berlin,Deutscher Bauernverlag,1951. 240 p. 325 Sch62

26767 SHINGLEDECKER, L. E. Inspections improve farm fire protection. Farm Safety Rev. 11:10. Jan./Feb.1953. 449.8 F22

26768 STEINICKE, D. G. How can the State agricultural college help on loss prevention? Amer. Coop. 24: 415-416. 1952. 280.29 Am3A
Fire control.

26769 STOPFORD, R. R. The dairy unit. Estate Mag. 52:507-508. Dec.1952. 10 Es8
On the layout of the farm.

26770 TINDALL, C. A plan for rural fire protection. Mo. Rur. 93(23):4-5,17. Dec.13,1952. 6 R8891
Fire-Protection Districts in Missouri supported by taxes.

26771 VADÉ, S. L'explosif agricole, un Hercule à votre service. Vie à la Campagne 41:361-362. Oct.1952. 80 V67

26772 WILLIAMS, B. Billion dollar a year loss result of farm accidents. Ala. Farmer 32(3):6. Dec. 1952. 276.8 AL1

26773 WILSON, W. A. Safety in the date industry. Date Growers' Inst. Rpt. 29:15-16. 1952. 81 D26

FARM MACHINES AND EQUIPMENT

26774 AKHTAR, S. M. Possibilities of mechanization of agriculture in Pakistan. Pakistan Econ. & Com. 1:318-321. June 1952. 280.8 P175

26775 AMBROGI, A. Mechanization of Italian agriculture. (In Italian.) Macch. e Motori Agr. 10:1183-1197. Dec.1952. 58.8 M13

26776 BALDONI, R. Share farming and mechanization; equipment for sharefarming and its operation. (In Italian.) Macch. e Motori Agr. 10:1199-1227. Dec.1952. 58.8 M13

26777 BISMARCK, L. VON. Hofarbeit ist transportarbeit. Landtechnik 7:636-638. Nov.15,1952. 58.8 L235

26778 BJÖRKENHEIM, L. Further comment on elevators in agriculture. (In Finnish.) Teho 10/11:485-486. 1952. 20 T98
English summary, p. 534.

26779 BOURGET, F. Les C.U.M.A. [Cooperatives d'Achat et d'Utilisation de Matériel Agricole] en 1952. Sol 71:354-363. 1952. 14 So4
France.

26780 BUÏANOV, A. I. Achievements of science—into agricultural production. Dostizheniïa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:73-76. July 1952. 20 D742
In Russian.
Mechanization of farm work.

26781 COSOLO, S. The Congress and Fair at Freiburg in Breslau and equipment for viticulture. (In Italian.) Macch. e Motori Agr. 10:1115-1125. Nov.1952. 58.8 M13

26782 COSOLO, S. Mechanization in agriculture, with reference also to equipment for small farms. (In Italian.) Agr. delle Venezie 6:507-520. Nov.1952. 16 Ag826

26783 DENMARK. STATENS REDSKABSUDVALG. Årsberetning fra statens redskabsprøver 1951-52 [Annual report of the State Equipment Testing Institute, 1951-52]. København,1952. 108 p. 58.9 D41

26784 DIEBALL, H. Neues vom landmaschinenhandel! Landmasch.-Markt 31:723-724. Nov.13,1952. 58.8 L239

26785 EPP, A. W. Cost of operating machinery on Nebraska farms. Nebr. Agr. Expt. Sta. B. 413,8 p. Sept. 1952. 100 N27

26786 EVERETT, H. E. The industry: review and outlook. Impl. & Tractor 68:36-37,98-99. Jan.3,1953. 58.8 W41

26787 FOSTER, F. Front-end loaders in agriculture. World Crops 5:30-31. Jan.1953. 281.8 W892

26788 FROMONT, P. Problèmes humains du machinisme agricole. Terre d'Oc 34:382-384. Oct.1952. 14 Ar5

26789 FUSSELL, G. E. The farmers' tools, 1500-1900. The history of British farm implements, tools and machinery before the tractor came. London,Melrose, 1952. 246 p. Ref. 58 F98

26790 GONÇALVES, P. A. John Deere agricultural machinery in Dallas, Texas. (In Portuguese.) Lav. Arroz. 6(70):38-40. Oct.1952. 59.8 L39

26791 GORELOV, Z., and KUKTA, G. Questions of complex mechanization of non-irrigated cotton culture. (In Russian.) Khlopkovodstvo 8:46-55. Aug.1952. 72.8 K522

26792 GRINDROD, J. The mechanisation of agriculture in India. World Crops 5:15-16. Jan.1953. 281.8 W892

26793 GROGAN, F. O., and BOLLEN, A. Farm machinery in Australia; survey reveals age pattern. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:144-148. Oct.1952. 281.9 Au73
Includes statistics.

26794 HALFAR, A. Landmaschinen und landgeräte in fahr- und gebrauchs-stellung. Landmasch.-Markt 31: 644-646. Oct.16,1952. 58.8 L239

26795 HALFAR. Maschineneinsatz im bäuerlichen betrieb. Landmasch.-Markt 31:646-648. Oct.16,1952. 58.8 L239

26796 HALL, A. Up towards the Arctic Circle. Power Farmer 9:220-221. Dec.1952. 58.8 P872
Chiefly equipment in Sweden.

26797 HALL, G. P. Problems of mechanisation on Irish farms. Farmers' Gaz. 110:1325,1327. Dec.6,1952. 10 F221

26798 HOLMAN, R. L. A big expanding market in the South. Farm Impl. News 74:72-73. Jan.10,1953. 58.8 F22

26799 HUFF, D. All this for $1,000. Farmer's Mag. 50:14-15,22. Jan.1953. 7 C165
Organization and operation of King Township Farm Machinery Co-operative in Ontario.

26800 HUNTER, E. D. More dollars from cotton. Okla. Agr. Col. Ext. C. 576,14 p. n.d. 275.29 Ok41C
More complete mechanization of production and harvesting.

26801 JORDBRUKSTEKNISKA FORENINGEN. Jordbrukstekniska Föreningen 25 ar. [The Agricultural Technical Association 25 years]. Uppsala,1952. 48 p. 11 J76M
Mechanization.

26802 KALABUKHOV, M. V. Experiment in complex mechanization of procurement of peat fragments for fertilizers. (In Russian.) Dostizheniïa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:66-70. June 1952. 20 D742

26803 KARMISHIN, A. V. Universal wind motor D-12 for mechanization of laborious farm work. (In Russian.) Kormovaïa Baza 3(8):58-61. Aug.1952. 60.8 K84
On livestock farms.

26804 KERMANN, K. Die landmaschine im lichte der preisbewegungen. Landmasch.-Markt 31:653-654. Oct.16,1952. 58.8 L239

26805 LACOMBE, R. La démonstration de motoviticulture et d'équipement viticole de Montpellier. Sol 71: 375-377. 1952. 14 So4

26806 LATEST developments in orchard machinery. Amer. Fruit Grower 73:28-29. Jan.1953. 80 G85

26807 LEGGE, T. Taking mechanisation in their stride. Farmers Wk. [London] 37(23):79-81. Dec.5,1952. 10 F2226
Costs and returns in Great Britain.

26808 LÖNNEMARK, H. Some machine-stations in Swedish agriculture. (In Swedish.) Lantbrakad. Tidskr. 91:351-397. Ref. 1952. 104 Sw3
English summary.

26809 LUND, H. Mechanization and the farmer. (In Danish.) Jydsk Landbr. 34:836-838. Nov.27,1952. 11 J99

26810 MCVICKAR, G. E. More uses for hydraulic loader. Hoard's Dairyman 98:85. Jan.25,1953. 44.8 H65

26811 MANSSON, E. Mechanical equipment in research. (In Swedish.) Lantmannen 35:931-932. Dec.15, 1951. 11 L234

26812 MÖBUS, W. Gemeinschaftsnutzung elektrischer maschinen und geräte in der landwirtschaft. Landmasch.-Markt 31:673. Oct.16,1952. 58.8 L239

26813 MORE food for less work; in 75 years U.S. has fought and won an agricultural revolution. Life 34: 62-73. Jan.5,1953. 280.8 L62
Mechanization and farm productive capacity.

26814 NERLI, N. Meccanica agraria [Mechanized agriculture]. Ed. 6, rev. Bologna,Pàtron,1952. 454 p. 58 N352Me
Equipment.

26815 NERLI, N. Situation and outlook for agricultural mechanization. (In Italian.) Macch. e Motori Agr. 10:1079-1094. Nov.1952. 58.8 M13

26816 NEWMAN, E. A new vision of the Old South. Farm Impl. News 74:76-77,141-142. Jan.10,1953. 58.8 F22
Equipment for conservation farming.

26817 ØSTERGAARD, A. Types of farming, labor and mechanization. (In Danish.) Dansk Landbr. 71:622-623. Dec.18,1952. 280.28 V91

26818 OWEN, A C. The South American market. Farm Impl. News 74:70,139-140. Jan.10,1953. 58.8 F22

26819 PANKOV, E. D. On the course of fulfilling the plan for agricultural machine delivery in 1952. (In Russian.) Sel'khozmashina 8:1-2. Aug.1952. 58.8 Se42

26820 PESARO, A. Progress in mechanization during 1951. (In Italian.) Agr. Ferrarese 55:265-269. Dec.31,1952. 16 Ag87

26821 PETROCCHI, G. Mechanization on steep slopes. (In Italian.) Macch. e Motori Agr. 10:1095-1111. Nov.1952. 58.8 M13

26822 PHAGAN, C. V., and BELL, E. R. Labor saving ideas for the farm. Okla. Agr. Col. Ext. C. 573, 8 p. n.d. 275.29 Ok41C
Chiefly equipment.

26823 POGGENDORFF, W. The mechanisation of rice-growing in North Australia and New Guinea. (Extr.) Power Farming Austral. & New Zeal. 61(10):1,121,123, 125. Oct.1952. 58.8 P87

26824 POTVIN, J. B. Industrie canadienne-française au service des cultivateurs. Ferme 14(2):14-15. Oct. 1952. 7 F38
Equipment manufacture.

26825 RAGSDALE, J. M. Progress of cotton mechanization in Missouri. Cotton Gin & Oil Mill Press 53(26): 16-17. Dec.20,1952. 304.8 C822

26826 REBOUR, H. Formons des agriculteurs mécaniciens. Fruits et Primeurs de l'Afrique du Nord 22: 367. Oct.1952. 80 F9482

26827 RICHARZ, H. Rückblick - ausblick. Landtechnik 7:790. Dec.1952. 58.8 L235
Equipment.

26828 ST. ROTHMANN. Landwirtschaftliche förderanlagen. Landtechnik 7:659-663. Nov.15,1952. 58.8 L235

26829 SCHILLING. Wie ist die vollmotorisierung der bäuerlichen familienwirtschaft durchzuführen? Bad. Landwirt. Wchnbl. 119:772-773. Nov.1,1952. 18 B142

26830 SEFEROVICH, G. H. A new approach to selling farm equipment. 1. Impl. & Tractor 68:38-41. Jan.3, 1953. 58.8 w41

26831 SEGLER, G. Die technik der halmfruchtbergung. Landtechnik 7:778-784. Dec.1952. 58.8 L235

26832 SENES, G. La motorisation du vignoble languedocien. Sol 71:371-375. 1952. 14 So4

26833 SJÖGREN, E. The Agricultural Technical Association 25 years. (In Swedish.) Jordbrtek. För. Meddel. 100:3-22. 1952. 11 J76M

26834 SKALWEIT. Verstärkte motorisierung. Landbforsch. Völkenrode 2:34-37. Apr.1952. 18 L2353

26835 SOMMERKAMP, G. Arbeitswirtschaftliche probleme und technische hilfsmittel des futterbaus in weidebetrieben. Landtechnik 7:759-765. Dec.1952. 58.8 L235

26836 STARTSEV, D. I. Achievements of livestock farming machine stations. (In Russian.) Sotsialist. Zhivotnovod. 14(8):68-72. Aug.1952. 49 So71

26837 STRAUSS, G. Annual WGA exhibit sets record; new trends—machines—techniques. West. Grower & Shipper 24:30-35. Dec.1952. 280.38 W52
Vegetable and seed production equipment.

26838 TASMANIA. DEPT. OF AGRICULTURE. EXTENSION SERV. Build your own silage elevator. Tasmania. Dept. Agr. B. (n.s.)31,14 p. Nov.1951. 23 T182

26839 THEISS, H. Landtechnische probleme und lösungen in Rheinland und Westfalen. Deut. Landwirt. Gesell. Mitt. 67:825-827. Nov.6,1952. 18 N39
Equipment.

26840 TRENDS in the farm implement trade. Canad. Bank Com. Com. Let., Oct.1952:2-6. 280.9 C162

26841 TYSON, Z. G. Progress of cotton mechanization in New Mexico. Cotton Gin & Oil Mill Press 54(2): 26-27. Jan.17,1953. 304.8 C822

26842 URRUTIA, O. E. DE. Faenas agricolas de ayer y hoy. Agrotecnia 7:25-29. Sept./Oct.1952. 8 Ag825
Progress of mechanization.

26843 VASIUKOV, P. P. Mechanized [livestock] farms of Novaia Zhin' Kolkhoz [in Abdulin District, Chkalov Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(9):74-76. Sept.1952. 49 So71

26844 WAECHTER, H. VON. Zur einleitung. Landtechnik 7:750. Dec.1952. 58.8 L235
Mechanization.

26845 WEILER. Der seilzug. Traktor 3:265-266. Nov.1952. 58.8 T677

26846 WILLIAMSON, E. B. Progress of cotton mechanization in Mississippi. Cotton Gin & Oil Mill Press 54:38-39. Jan.3,1953. 304.8 C822

26847 WILSON, F. Mechanisation in Colonial agriculture. Corona 4:138-143. Apr.1952. 282.28 G79

Animal Husbandry Equipment

26848 ALSTAD, K. Mix 120 tons of feed for 90 cents. Hoard's Dairyman 98:14. Jan.10,1953. 44.8 H65

26849 BAKER, E. Feed grinders and mixers. Kentuckian Rur. 5(10):6,27. Oct.1952. 335.8 K41

26850 BRETT, C. Self feeders cut costs. Farmer & Stock-Breeder 67(3299):49. Jan.13,1953. 10 F228
Feeding bacon pigs.

26851 CHRISTMAS, E. DE. Construisez vous-même une éleveuse électrique pour 50 á 100 poussins; construction des parcs d'élevage; utilisation des ultra-violets et des infrarouges. Paris,Maison Rustique,1952. 23 p. 47 C46

26852 CLAPPER, H. Mercury tends the brooker; motor driven switches turn lamps on and off. Elect. Farm Mag. 26:14-15. Jan.1953. 335.8 EL27

26853 EISENREICH, L. Die ergebnisse der DLG-prüfungen neuer melkmaschinen. Landtechnik 7:681-704. Nov.15,1952. 58.8 L235

26854 FLIKKE, A. M. This tank needs no heater in winter. Hoard's Dairyman 98:80-81. Jan.25,1953. 44.8 H65
Stock watering tank.

26855 GILMAN, W. Chernoff's cow cafeteria; silo unloader and conveyor feed silage, cows help selves to hay, then go to the parlor for milking. Elect. Farm Mag. 26:6-8. Jan.1953. 335.8 EL27

26856 IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Laying house equipment. Iowa. State Col. Agr. Ext. Pam.171,15 p. Jan.1952. 275.29 Io9Pa

26857 IVANOVA, A. D. Practices of Bel'tskaia MTS in mechanization of collective farms. (In Russian.) Sotsialist. Zhivotnovod. 14(7):69-71. July 1952. 49 So71
Livestock farms chiefly.

26858 KASSEL. Maschinenmelken und eutergesundheit. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 2084. Dec.20,1952. 18 L2346
Sanitation.

26859 KERMAN, K. Melkmaschinen im stall und auf der weide. Landmasch.-Markt 31:688-690. Oct.30,1952. 58.8 L239

26860 KLEIN-HESSLING. Welche melkmaschine ist die beste? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2081-2082. Dec.20,1952. 18 L2346

26861 LACOMBE, R. Comment utiliser une machine à traire. Vie Lait. 8(165):1,3. Oct.25,1952. 44.8 V67

26862 LEBEDEV, N. F. Mechanization of [livestock] farms on Malenkov Collective Farm. (In Russian.) Sotsialist. Zhivotnovod. 14(8):73-76. Aug.1952. 49 So71

26863 MCARTHUR, A. T. G. Machine milking made faster; two new gadgets you ought to have on British farms. Dairy Farmer [Ipswich] 25(12):23,42. Dec.1952. 44.8 D1414

26864 MCCALLUM, P. A labour saving concentrate feeder. Queensland Agr. J. 75:270-273. Nov.1952. 23 Q33

26865 MCCURDY, J. A., and MADISON, L. C. Electric pig-brooders. Pa. State Col. Agr. Ext. L. 153,6 p.-folder. Nov.1952. 275.29 P38L

26866 MCCURRY, L. Saddle wise. West. Horseman 18(2):12-13. Feb.1953. 42.8 W522

26867 MACK, M. Hinweise zur arbeit mit der melkmaschine. Württemb. Wchnbl. f. Landwirt. 119: 974-975. Oct.25,1952. 18 W96

26868 MADSEN, R. Cleaning of the milking machine. (In Norwegian.) Dansk Landbr. 71:635. Dec.25,1952. 280.28 V91

26869 MURRAY, J. R. Push-off sweep for silage making. New Zeal. J. Agr. 85:415. Nov.15,1952. 23 N48J

26870 OBÉE, H. Qualitätsmilch durch melkmaschinen. Landtechnik 7:705. Nov.15,1952. 58.8 L235

26871 OBER, J. Der "Gruber halbfuttertisch." Bavaria. Landesanst. f. Tierzucht in Grub. Mitt 2(9/10): 17-20. 1952. 49 B32

26872 OWTRAM, I. H. The ringing of pig breeding stock. New Zeal. J. Agr. 85:290-291. Oct.15,1952. 23 N48J

26873 PARAU, D. Uberblick über den melkmaschineneinsatz im Bundesgebiet. Deut. Molk.-Ztg. 73:1336-1338. Oct.17,1952. 44.8 Su2

26874 PHILLIPS, D. S. M. Testing and servicing as factors in maintaining milking-machine performance. Ruakura Farmers' Conf. Week. Proc. 1951:87-103. 49.9 R82
Includes discussion.

26875 REED, C. H. Hay and silage can be self-fed. Hoard's Dairyman 98:61,79. Jan.25,1953. 44.8 H65

26876 REED, C. H. Self-feeding silos. Natl. Assoc. Silo Mfr. Proc. 39:83-85. 1952. 60.79 N21

26877 REED, C. H. Special structures for storing and self-feeding hay and silage. Internatl. Grassland Conf. Abs. Papers 6(H):30-31. 1952. (Doc.5) 60.19 In86

26878 RIES, L. W. Arbeitswirtschaftliche probleme und technische hilfsmittel der betriebe mit vorwiegender stallfütterung. Landtechnik 7:765-768. Dec.1952. 58.8 L235

26879 SCHULTZ. Eutergesundheitsdienst und melkmaschineneinsatz. Deut. Landwirt. Gesell. Mitt. 67: 875-876. Nov.20,1952. 18 N39

26880 SEMERDZHIEV, I. Rŭkovodstvo za rabota s inkubatori [A handbook for operation of incubators]. Sofiia,TSentralen Kooperativen Sŭiuz,1951. 71 p. 47 Se5R

26881 SMIRNOV, A. Machine-tractor stations and mechanization of hard work in animal industry. (In Russian.) Kolkhoz. Proizvodstvo 12(7):9-11. July 1952. 281.8 K83

26882 STUKALOV, A. I. How we sheared 21,607 sheep in a year with one electric shearing assembly. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7: 50-52. July 1952. 20 D742
In Russian.

26883 THEAKSTON, F. H. Self-feeding equipment for livestock. Farmer's Mag. 49(11):20-22. Nov.1952. 7 C165

26884 TROÎAN, P. I. How we had organized the electro-mechanical shearing of sheep. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:48-50. July 1952. 20 D742
In Russian.

26885 WITT, M. Das eimerlose melken mit der manus-automatik-anlage. Deut. Landwirt.-Gesell. Mitt. 67:771-773. Oct.23,1952. 18 N39

26886 WITT, M. Einsatz der melkmaschine. Landtechnik 7:785-789. Ref. Dec.1952. 58.8 L235

Cultivation and Tillage Equipment

26887 BERTSCH, M. Most useful implement; plow is designed to do as perfect a job as easily as possible. 2. Prairie Farmer, Gen. Ed. 125(2):20-21,39. Jan.17,1953. 6 P883

26888 BINSTADT. Ein neues rebveredlungsverfahren. Deut. Weinbau 7:626. Nov.20,1952. 390.8 W432
Describes a piece of equipment for cutting grafts.

26889 BOZZI, L., and BIGI, F. Notes on agricultural mechanization applied particularly to cotton and peanut culture. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:199-223. July/Sept.1952. 26 Ag82
English summary.

26890 DELLENBACH, P., and LACOMBE, R. Journés de Démonstration de Motoviticulture. Prog. Agr. et Vitic. Jan.4/11,1953:17-20. (Cont.) 14 P94

26891 FRESE, H. W. Machinery for tillage and seedbed conditioning in cultivated grasslands. Internatl. Grassland Conf. Abs. Papers 6(J):16. 1952. (Doc.5) 60.19 In86

26892 JAUREGUI, J. S. La acción del arado y conservación de suelos. Agrario 17(3):11-12,14. (Cont.) 1952. 9.3 Ag85

26893 JOHNSON, H. P. H. Cultural practices which make full spring mechanization possible. Crystal-ized Facts Sugar Beets 7:15-17. Jan.1953. 66.8 C88

26894 KIND, W. Aus der geschichte der bodenfräse. Tech. f. Bauern u. Gart. Ausg. A 4:433-435. Oct.10,1952. 58.8 T223

26895 LAVROV, N. N. Mechanization of soil tillage in the spreading fruit tree orchards. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:221-226. 1951. 511 T59

26896 MCHARDY, D. N. The future for one-way ploughing. Power Farmer 10:14-15. Jan.1953. 58.8 P872

26897 NERLI, N. La lavorazione meccanica dei terreni nelle zone di riforma fondiaria dell'italia centrale [Mechanized tillage in the land reform zone of central Italy]. Milano,Industrie Grafiche Italiane Stucchi, 1951. 8 p. 58 N352L
From Rivista di ingegneria.

26898 PESARO, A. Portable and semi-portable equipment. (In Italian.) Agr. Ferrarese 56:57-60. Mar. 31,1952. 16 Ag87
Plows and harrows.

26899 PESARO, A. Rotary apparatus for soil tillage. (In Italian.) Agr. Ferrarese 56:83-86. Apr.30,1952. 16 Ag87

26900 PEYER, E., and HUBER, H. Die imprägnierung von rebstecken. Schweiz. Z. f. Obst- u. Weinbau 61:514-517. Dec.13,1952. 80 Sch9

26901 PIQUARD, P. Remarques sur la culture mecanique de l'arachide. Bambey Cent. de Rech. Agron. B. 5:61-67. 1952. 24 B21

26902 PROSKURA, S. S., and TROITSKIĬ, A. V. Tillage of Supoi swamp. (In Russian.) Kormovaîa Baza 3(9): 53-56. Sept.1952. 60.8 K84
Equipment.

26903 PULGAR VIDAL, J. La chaquitaclla. Agr. Trop. 8(10):11,13. Oct.1952. 26 Ag8
Primitive implement for breaking up the soil.

26904 RAMIAH, R. V. Rice land weeders from Japan. Indian Farming (n.s.)2(7):9. Oct.1952. 22 In283

26905 RODRIGUEZ ARIAS, J. H. Las labores de cultivo en el panorama agrícola de Puerto Rico. Rev. de Agr. P. R. 43:38-48. Jan./June 1952. 8 R325
Mechanization and labor problems.

26906 SHCHERBAKOV, P. M. Universal plow for deep plowing. (In Russian.) Les i Step' 6:45-48. June 1952. 99.8 L565

26907 SWANSON, C. L. W. The tools of science: an experimental cultivator. Frontiers Plant Sci. 5:6. Nov. 1952. 100 F92

26908 TOOLS for easier pruning. Amer. Fruit Grower 72(12):8-9,17. Dec.1952. 80 G85

26909 VELIKOIVANENKO, A. E. Use of plow to mound up grapes. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):43-45. Aug.1952. 95.8 V77

26910 WRAIGHT, J. D. Mechanical cutting of hawthorn [Crataegus] fences. New Zeal. J. Agr. 85:399. Nov. 15,1952. 23 N48J

Fertilizer and Seed Distributors

26911 ARANDA HEREDIA, E. Machinery for sowing cultivated grassland. Internatl. Grassland Conf. Abs. Papers 6(J):3. 1952. (Doc.5) 60.19 In86

26912 BLAKE, R. W. Topdressing from the air. Foreign Trade 13(315):18-21. Jan.10,1953. 286.8 C162
New Zealand.

26913 BOSSE, F. Gerätekombination in der stallmistverarbeitung. Landmasch.-Markt 31:750. Nov.27, 1952. 58.8 L239

26914 COLLINS, W. Machinery for seeding range lands. Internatl. Grassland Conf. Abs. Papers 6(J):11-12. 1952. (Doc.5) 60.19 In86

26915 ENGELHARD, J. La plantation mécanique est au point. Rustica 25:1171. Dec.7,1952. 14 R92

26916 GRETHER, T. A new fertilizer drill. Crystalized Facts Sugar Beets 7:13-14. Jan.1953. 66.8 C88

26917 HAASE. Wege und möglichkeiten zur mechanischen stallmistentfernung. Deut. Landwirt. Gesell. Mitt. 67:915-916. Dec.4,1952. 18 N39

26918 JEZEK, R. E., and KILBY, W. W. Metering pump improves accuracy of anhydrous ammonia application in tung orchards. Amer. Tung Oil Assoc. Proc. 19:16-22. 1952. 77.9 Am32

26919 ODDSSON, I. Equipment for transportation of manure. (In Icelandic.) Freyr 47:349-352. Nov.1952. 11 F89

26920 WINTERS, R. Precision seeders and steerage hoes. Beet Grower 6:136-138. Oct.1952. 66.8 B392

Harvesting Equipment

26921 ANDERSSON, Y. Fall demonstration of potato harvesters in England. (In Swedish.) Lantmannen 36: 977-980. Nov.29,1952. 11 L234

26922 ANDREEVA, A. P. Straw pressing during combine harvesting of grain. Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:37-41. July 1952. 20 D742
In Russian.
Equipment.

26923 BANK, K. Potato harvesters in England. (In Danish.) Jydsk Landbr. 34:863-867. Dec.11,1952. 11 J99

26924 BARGER, E. L. The field baler. Internatl. Grassland Conf. Abs. Papers 6(H):2-3. 1952. (Doc.5) 60.19 In86

26925 BLOCK, K. Die vollautomatische kartoffelerntemaschine "digger." Deut. Landwirt. Gesell. Mitt. 67:852-853. Nov.13,1952. 18 N39

26926 BURROUGH, D. E., and HARBAGE, R. P. Performance of a corn picker-sheller. Agr. Engin. 34: 21-22. Jan.1953. 58.8 Ag83

26927 CAPEK, D. Forage combines. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):19-20. Sept.1952. 21.5 V87

26928 CROSBIE, C. J. Preventing fires in harvesting machinery. New Zeal. J. Agr. 85:495-496. Dec.1952. 23 N48J

26929 CULPIN, C. Sugar beet harvesting: problems and progress. Gt. Brit. Min. Agr. Agriculture 59:406-410 Dec.1952. 10 G79J
Chiefly equipment.

26930 DUFFEE, F. W. The forage harvester and miscellaneous machines and equipment for loading, hauling, unloading, and stacking forage. Internatl. Grassland Conf. Abs. Papers 6(H):15-16. 1952. (Doc.5) 60.19 In86

26931 EBERHARDT, P. Ein neuer siebkettenvorratsroder. Landmasch.-Rundschau 4:233-234. Oct. 1952. 58.8 L237

26932 ELAM, F. L. Homemade rigs. Sacramento Val. Rancher 6(11):4-5,14. Nov.1952. 6 Sa12
Chiefly harvesting equipment.

26933 EREMEEV, I. Utilization of SKEM-3 [sugar] beet combines. (In Russian.) Kolkhoz. Proizvodstvo 12 (7):37-39. July 1952. 281.8 K83

26934 EZAN, S. ÎA. Efficient utilization of attachable combines in harvesting grain crops. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:34-36. July 1952. 20 D742
In Russian.

26935 FRUDDEN, C. E. Advances in developing forage seed harvesting equipment. Internatl. Grassland Conf. Abs. Papers 6(F):17-18. 1952. (Doc.5) 60.19 In86

26936 GALDIN, M. V. Combines for harvesting plants for silage. (In Russian.) Sovet. Zootekh. 7(6):88-94. June 1952. 49 So822

26937 GARATTONI, E. Complete utilization of grasses. (In Italian.) Spezia Agr. 7(11):2. Nov.1,1952. 16 Sp3
New system of harvesting and drying forage plants.

26938 GEHL BROS. MFG. CO., WEST BEND, WIS. Streamlined methods of harvesting hay and making grass silage. West Bend,1952. 24 p. 60.7 G27
Silage.

26939 GIBB, J. A. C., and CHATER, G. P. A survey of hop-picking machines, 1951. Wye Col. Dept. Hop Res. Annu. Rpt. 1951:42-68. 1952. 70.9 W972

26940 GLAVES, A. H. Research and recent developments in mechanical harvesting and bulk handling of potatoes in the Red River Valley. East Grand Forks, Minn.,1952. 9 p. 58 G46

26941 GULÎAEV, G. V. Harvesting lentils with the automotive S-4 combine. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:43-44. Aug. 1952. 20 D742

26942 HAMLIN, F. Forage handling equipment. Natl. Assoc. Silo Mfr. Proc. 39:70-75. 1952. 60.79 N21

26943 HOSTERMANN, W. H. High-grade timothy and clover hay: methods of producing, baling, and loading for market. U. S. Dept. Agr. Farmers' B. 1770,rev.,17 p. Nov.1952. 1 Ag84F

26944 HUWILER, J. Hat der mähdrescher nur vorteile? Grüne 80:1343-1344. Dec.5,1952. 17 Sch9

26945 JUNKER, A. Mähdrusch im eigenbetrieb und lohnverfahren. Landmasch.-Markt 31:749-750. Nov.27, 1952. 58.8 L239

26946 KALBFLEISCH, W. Machines for mowing and raking forage crops. Internatl. Grassland Conf. Abs. Papers 6(H):23. 1952. (Doc.5) 60.19 In86

26947 KEPNER, R. A. Harvester for green asparagus. Fruit & Veg. Rev. 14(9):11. Dec.1952. 80 C1224

26948 KEPNER, R. A. Mechanical asparagus harvester field tested. Canning Trade 75(24):7-9. Dec. 29,1952. 286.83 T67

26949 KÖRBER-HARRIEHAUSEN, W. Meine erfahrungen mit einer rübenvollerntemaschine. Deut. Landwirt.-Gesell. Mitt. 67:802-803. Oct.30,1952. 18 N39

26950 KOVGAN, A. P. On the removal of raw cotton from the spindle. (In Russian.) Sel'khozmashina 8:7-11. Aug.1952. 58.8 Se42
Harvesting equipment.

26951 KRIEBEL. "Sonne über harsewinkel"—neue Claas-maschinen. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:10. Jan.1,1953. 18 L2346
Chiefly on combines.

26952 KUKOV, A. S. Practices in working on LK-7 flax harvesting combine. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:57-59. June 1952. 20 D742

26953 LO, I. Hay harvesting must and can be simplified. (In Norwegian.) Norsk Landbr. 18:466-467. Dec.12, 1952. 11 N8122
Chiefly equipment.

26954 MAMIOFE, I. L. Kinematics of the revolving part of a pneumatic cotton harvesting machine. (In Russian.) Sel'khozmashina 8:3-6. Aug.1952. 58.8 Se42

26955 MEIER, W. Kritische betrachtungen zum einsatz des mähdreschers in der Ostschweiz. Grüne 80:1355-1357. Dec.12,1952. 17 Sch9

26956 MEL'NIKOV, G. A., and ALEKSIN, F. E. For further improvement of SKEM-3 three-row beet combine. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:37-43. Aug.1952. 20 D742

26957 MEL'NIKOV, V. A. Mechanization of potato harvesting. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:50-53. Aug.1952. 20 D742

26958 MOROZ, V. Operationally economical and efficient cotton harvesting machine SKHP-2,1. (In Russian.) Khlopkovodstvo 8:56-61. Aug.1952. 72.8 K522

26959 MOROZ, V. K. Testing the SKHP-2,1 cotton harvesting machine. (In Russian.) Sel'khozmashina 8:11-12. Aug.1952. 58.8 Se42

26960 MOTHERAL, J. R., and METZLER, W. H., and DUCOFF, L. J. Men and machines in the cotton harvest, Texas High Plains, 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1501,6 p. Oct.12,1952. 100 T31P

26961 MUIJZENBERG, E. W. B. VAN DEN. Mechanization of harvesting. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:563-576. Ref. Aug./Sept.1952. 86 N384
English summary.

26962 MYERS, J. M., and ROGERS, F. Mechanical drying and harvesting of peanuts. Fla. Agr. Expt. Sta. B 507,14 p. Nov.1952. 100 F66S

26963 PARMENTIER, P. Organisation du travail dans l'arrachage et le ramassage des pommes de terre. Génie Rur. 45:292-293. Oct.1952. 58.8 Au8

26964 PATERSON, R. Long grass silage in England. Agr. Inst. Rev. 7(6):14-16,58. Nov.1952. 7 Ag8
Harvesting and loading equipment and silage manufacture.

26965 PESARO, A. Mowers, combines and balers. (In Italian.) Agr. Ferrarese 56:153-156. July 31,1952. 16 Ag87

26966 PTÎANKOV, A. I. On some parameters of the row of corn plantings. (In Russian.) Sel'khozmashina 9: 8-10. Sept.1952. 58.8 Se42
Designs of corn harvesting equipment.

26967 SCHOFIELD, M. Five centuries of scythe-making. Country Life [London] 112:1864,1867. Dec.5, 1952. 80 C83

26968 SLOVER, S. L. "The thing" gets cotton. Sowest. Crop & Stock 6(11):10. Nov.1952. 6 So8942
A new cotton harvesting machine.

26969 STEVENS, J. G. R. Sugar beet harvesters undergo exacting trials. Agr. Mach. J. 6(11):24-26. Nov. 1952. 58.8 Ag86

26970 THESE feed handling ideas paid off! West. Livestock J. 30(64):44-45,64,68,74. Nov.15,1952. 6 F2278
Feed harvesting and handling equipment.

26971 THIS is the harvester that couldn't be built! Farm Mangt. 2:39-40,42. Nov./Dec.1952. 281.8 F2225
A mechanical harvester for green asparagus.

26972 THOMSON, B. C. Sugar cane harvesting. Farm Impl. News 73(24):38,67. (Cont.) Dec.25,1952. 58.8 F22

26973 TOLKOVSKIĬ, V. A. Complex mechanization of flax harvesting. Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:41-44. July 1952. 20 D742
In Russian.

26974 URBAN, H. Vorführung von neuen kartoffelvorratsrodern. Traktor 3:227-228. Oct.1952. 58.8 T677

26975 WILSON, A. E. Harvesting machinery. Agr. Gaz. N. S. Wales 63:562-563,609-611. Nov.1952. 23 N472

26976 ZANNONI, I. In the field of agricultural mechanics: the beet topper. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:415. Oct.1952. 16 C72

26977 ZHUK, IA. M. Complex mechanization of grain harvesting and postharvest grain processing. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:45-52. June 1952. 20 D742

26978 ZUBKOVA, P. P., FAL'KO, O. S., and SHREIDER, M. N. For a more decisive introduction of the leading technology in combine harvesting of flax. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:45-49. Aug.1952. 20 D742

Land Clearing Equipment

26979 FORBES, R. H. Low cost land reclamation. Diesel Power & Diesel Transportation 30(12):48-49. Dec.1952 291.8 D562
Land clearing with Diesels.

26980 FREITAS, J. H. G. DE. Felling trees in a matter of seconds and in one operation. Farm Impl. & Mach. Rev. 78:1552-1554. Jan.1,1953. 58.8 Im72
Tractor mounted root cutter and ram for clearing land.

26981 JARVI, V. Machinery in clearing forest land. Internatl. Grassland Conf. Abs. Papers 6(J):22-23. 1952. (Doc.5) 60.19 In86

26982 PECHANEC, J. F. Machinery for clearing brush lands. Internatl. Grassland Conf. Abs. Papers 6(J):27-28. 1952 (Doc.5) 60.19 In86

26983 SHINER, E. Will horsepower solve our brush clearing problems? Farmer-Stockman 55(12):14,43. Dec.1952. 6 Ok45
Mechanical land clearing equipment.

26984 WEBSTER, F. The disk plow rig: a handy weapon in removing sagebrush. Reclam. Era 39:3-4. Jan.1953. 156.84 R24

Processing Equipment Used on the Farm

26985 BALLANTYNE, J. G. Stacking baled hay. Agr. Gaz. N. S. Wales 63:564-568,616. Nov.1952. 23 N472
Includes equipment.

26986 BREIREM, K. Development and use of artificial dehydration of forage crops in western Europe. Internatl. Grassland Conf. Abs. Papers 6(H):7-8. 1952. (Doc.5) 60.19 In86

26987 BRUHN, H. D. The forage crusher. Internatl. Grassland Conf. Abs. Papers 6(H):9-10. 1952. (Doc.5) 60.19 In86

26988 CAMPBELL, L. E., SCHOENLEBER, L. G., and ROANE, G. D. Drying forage by forced ventilation with and without the use of supplemental heat. Internatl. Grassland Conf. Abs. Papers 6(H):11. 1952. (Doc.5) 60.19 In86

26989 COVER, W., and DICK, R. C. The place of fans on the farm. Power Farmer 10:29-31,34. Jan.1953. 58.8 P872
Crop drying and handling, potato storage and dust removal.

26990 EINERSON, A. M. Drying hay on wagons and in stacks with modified systems using forced air. Internatl. Grassland Conf. Abs. Papers 6(H):17. 1952. (Doc.5) 60.19 In86

26991 FISCHER-SCHLEMM, W. E. Neuzeitliche futterdämpf-einrichtungen. Landtechnik 7:672-677. Nov.15,1952. 58.8 L235

26992 FUKUNAGA, E. T. New Kona farm coffee dryer. Hawaii Farm Sci. [Hawaii Sta.] 1(2):3,8. July 1952. 100 H314

26993 GOETZ, K. Futternotjahre und häckselhof. Württemb. Wchnbl. f. Landwirt. 119:994-995. Nov.1, 1952. 18 W96

26994 GONTAR', D. I. Improved second [grain] cleaning of Stalinets-6 combine. Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:33-34. July 1952. 20 D742
In Russian.

26995 HAMACHER, W. Künstliche grünfuttertrocknung auch für bäuerliche betriebe. Landwirt. Z. der Nord-Rheinprov. 119:1305-1306. Nov.29,1952. 18 L2344

26996 HANSEN, K. Milchkühlung auf dem bauernhof. Landtechnik 7:706-710. Nov.15,1952. 58.8 L235

26997 HÜTTIG, C., and SCHRÖDER, H. Das neue milchfilter "reduktase-favorit." Unser Milchvieh. 4(10): 4. Oct.1952. 43.8 Un7

26998 JENNINGS, B. A. Design of barn finishing systems and their operation. Internatl. Grassland Conf. Abs. Papers 6(H):20. 1952. (Doc.5) 60.19 In86
For curing hay.

26999 KHRENOV, I. New structures of a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(7):39-40. July 1952. 281.8 K83
For grain cleaning and drying.

27000 KOHLMUS, G. Technische verbesserungen an kleindreschern. Deut. Landwirt. Gesell. Mitt. 67: 843-844. Nov.13,1952. 18 N39
Equipment.

27001 KÖSTLIN, A. Der heutige stand beim häckselverfahren. Landtechnik 7:663-665. Nov.15,1952. 58.8 L235

27002 KRIEBEL, M. Die vielfalt der futteraufbereitungsmaschinen. Landtechnik 7:665-669. Nov.15, 1952. 58.8 L235

27003 KSENOKRATOV, S. A. Method of drying hay on racks. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:35-36. Aug.1952. 20 D742

27004 LEDENT, M. Experiment on artificial drying on forage in Belgium. Internatl. Grassland Conf. Abs. Papers 6(H):24-25. 1952. (Doc.5) 60.19 In86

27005 LEIDL. Häckselhof in Salzburg? II-III. Salzburger Bauer 7(43):4-5; (44):4-5. Oct.23-29,1952. 19 Sa3
Mechanized grain handling on the farm.

27006 MCDONALD, A. N. C. Thinking of building a grass drier? Dairy Farmer [Ipswich] 25(12):20. Dec. 1952. 44.8 D1414

27007 MATTHIES, H. J. Heutrocknung durch kaltbelüftung. Landtechnik 7:773-778. Dec.1952. 58.8 L235

27008 MAUCH, A. Künstliche futtertrocknung, eine zukunftsaufgabe! Bauern-Ztg. 5(44):5-6,10. Oct.31, 1952. 18 B324

27009 NOWOTNY. Verlustlose futtergewinnung bei schlechtwetter. Salzburger Bauer 7(45):10-11. Nov.6, 1952. 19 Sa3
Drying of forage plants.

27010 OS'KIN, A. I. Complex mechanization of work on the threshing floors of collective farms in Krasnodar Territory. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:53-57. Aug.1952. 20 D742

27011 PATERSON, C. R. Honey house construction. New Zeal. J. Agr. 85:491,493-494. Dec.1952. 23 N48J

27012 PREUSCHEN, G. Die natürliche grünfuttertrocknung. Landtechnik 7:768-770. Dec.1952. 58.8 L235

27013 ROSS, R. W. Memories of the past. Iron-Men Album Mag. 7(3):3-8. Jan./Feb.1953. 58.8 F2293
Threshing in Canada.

27014 RYMAR', D. I. Mechanization of milk processing on collective farms. (In Russian.) Sotsialist. Zhivotnovod. 14(7):72-74. July 1952. 49 So71

27015 SCHOEFFEL, K. G. Silage making and strip grazing in New Zealand. Power Farming Austral. & New Zeal. 61(10):13,15,17,99,101,103. Oct.1952. 58.8 P87
Equipment.

27016 SEIDLER. Die wirtschaftlichkeit entscheidet. Landtechnik 7:784-785. Dec.1952. 58.8 L235
Hay drying and equipment.

27017 SERAFIMOVICH, L. B., IVANOV, A. A., and GALDIN, M. V. Mechanization of feed preparation. (In Russian.) Sovet. Zootekh. June 1952. 49 So822

27018 SILKER, R. E. Development and use of artificial dehydration of forage crops in the United States. Internatl. Grassland Conf. Abs. Papers 6(H):34-35. 1952. (Doc.5) 60.19 In86

27019 STÖCKMANN, K. Schrotmühlen mit verschiedenen werkzeugen. Landtechnik 7:670-672. Nov.15, 1952. 58.8 L235

27020 TALLARICO, G. Lightning hay and liquid forage. (In Italian.) Mondo Agr. 3(46):5. Nov.16,1952. 16 M74
Machine for processing of forage plants.

27021 TURNER, H. S. The "Joseph Hall" machinery. Iron-Men Album Mag. 7(3):15-16. Jan./Feb.1953. 58.8 F2293
Threshing machinery.

27022 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Drying ear corn with heated air. U. S. D. A. L. 333,16 p. Sept.1952. 1 Ag84L

27023 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Drying ear corn with unheated air. U. S. D. A. L. 334,16 p. Sept.1952. 1 Ag84L

27024 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Drying shelled corn and small grain with unheated air. U. S. D. A. L. 332, 10 p. Sept.1952. 1 Ag84L

27025 U. S. RURAL ELECTRIFICATION ADMIN. Information and equipment for electrical hay and grain drier installation; farm storage problems, by D. W. Teare. Washington,1952. 9 p. 1.933 In33

27026 VAN VLACK, C. H. Tips on buying crop-drying fans. Successful Farming 51:44-45,82-83. Jan.1953. 6 Su12
Hay and grain drying.

27027 VOLIKOV, P. L. New tractor ST-0,7 stacker, [for hay and straw]. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. 7:44-48. July 1952. 20 D742
In Russian.

27028 WANGERIN, A. Kartoffeldämpfen so und anders. Tech. f. Bauern u. Gart. Ausg. A 4:441-442. Oct.10,1952. 58.8 T223
Equipment.

27029 WATSON, SIR J. S. Grass drying, its position in British agriculture. Milling 119:574-576. Nov.29, 1952. 298.8 M622

27030 WHITTAKER, E. C. Fruit packing equipment. Agr. Gaz. N. S. Wales 63:577-582. (Cont.) Nov.1952. 23 N472

27031 WICKSTROM, G. Cooling the milk on the farm. (In Finnish.) Teho 9:407-411. 1952. 20 T98
English summary, p. 450.

27032 ZOTTNER. De la conservation des fourrages. Elevage et Cult. 4(46):12. Oct.1952. 24 EL2
Installment deals with drying.

Repair, Maintenance, and Construction Equipment

27033 BAKER, E. Early planning will make this winter a truly enjoyable four months. Rur. Kentuckian 5(11):6,17. Nov.1952. 335.8 K41
Equipment check-up.

27034 CROSBIE, J. N. A farm shop for every boy. Co. Agent & Vo-Ag Teacher 8(12):13-15. Dec.1952. 275.28 N213

27035 GOLDSMITH, R. E. Every farm needs a good workshop. Power Farmer 9:196-198. Dec.1952. 58.8 P872

27036 GRIFFIN, W. H., HALL, J. C., and RENOLL, E. S. The care and storage of a combine. Ala. Farmer 32(2):9. Nov.1952. 276.8 AL1

27037 KIND, W. Elektrogeräte in der reparaturwerkstatterleichtern die arbeit. Landmasch.-Markt 31: 666,668. Oct.16,1952. 58.8 L239

27038 LLOYD, J. R. The "all-electric" farm workshop. Agr. Gaz. N. S. Wales 63:523-525. Oct.1952. 23 N472

27039 MERRILL, E. D. Got those machines under cover yet? Breeder's Gaz. 118:10. Jan.1953. 49 B74

27040 MOWERY, A. S., and BRESSLER, G. O. Mechanical cleaners for droppings pits. Pa. Agr. Expt. Sta. Prog. Rpt. 86,8 p. Oct.1952. 100 P381P

27041 PEATFIELD, A. E. Tools and their uses. I. Spanners. Power Farmer 10:35-36. Jan.1953. 58.8 P872

27042 PIEL-DESRUISSEAUX, J. L'atelier à la ferme. Agr. Prat. 116:493-495. Oct.1952. 14 J82

27043 SCOTT, D. F. Care of belt drives. Austral. Dairy Rev. 20(11):14-15. Nov.1,1952. 44.8 Au73

27044 SCOTT, J. R. The farm shop. Farmer's Mag. 49(12):15-16. Dec.1952. 7 C165

27045 ZILLES, H. Der winter—die beste zeit für instandsetzungsarbeiten. Salzburger Bauer 7(43):10-11. Oct.23,1952. 19 Sa3

Spraying and Dusting Equipment

27046 AKESSON, N B. Equipment used in weed and pest control and defoliation of legume seed crops. Internatl. Grassland Conf. Abs. Papers 6(F):3-4. 1952. (Doc.5) 60.19 In86

27047 BYLTERUD, A. Spraying against weeds. (In Swedish.) Lantmannen 36:1033. Dec.13,1952. 11 L234

27048 ENGEL. Ein umbruch in der produktion von pflanzenschutzgeräten! Sprüher und vernebler im obst-, wein- und gemüsebau. Bauern-Ztg. 5(42):9,12. Oct.17, 1952. 18 B324

27049 FEAR, G. General principles, care and maintenance of spraying machines. Inst. Corn & Agr. Merchants. J. 3:166-169. Autumn 1952. 10 In7

27050 FRIEND, R. B. New spray equipment for helicopter. Frontiers Plant Sci. 5:8. Nov.1952. 100 F92
Pest control.

27051 GARDNER, V. Fruitgrowers see baby autoblast. Grower [London]39:29. Jan.3,1953. 286.83 M34
Spraying equipment.

27052 GEFFRAY, J., and GEFFRAY, Y. Le problème de la valeur de l'épandage aérien. Chambre d'Agr. de Casablanca. B. 23(258):3,5,7. Oct.1952. 24 C26

27053 KIPLIŬK, N. A. Utilization of OKO-1 one-horse duster for controlling pests of vegetable crops. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:87-88. Aug.1952. 20 D742

27054 KUHN, L. Der kraftbedarf von karrenspritzen. Tech. f. Bauern u. Gart. Ausg. A 4:473-474. Oct.25,1952. 58.8 T223

27055 MARGOLIN, S. I. Horse-drawn motorized OPM duster. (In Russian.) Sel'khozmashina 8:12-15. Aug. 1952. 58.8 Se42

27056 POZZI, E. A new spray machine. (In Italian.) Riso 1(9):22-23. Oct.1952. 59.8 R49

27057 SCHWARZ, G. Stationäre spritzanlagen im intensivobstbau. Hess. Obstbau 7:55-57. Apr.1952. 80 G1932

27058 VEERMAN, J. A. Low volume spraying in bulb-farming and market-gardening. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:801-804. Oct. 1952. 86 N384
English summary.

Vehicles

27059 ANIANSSON, G. Drivkärror; undersökning av direktdrivna traktorkärrors användbarhet för lantbrukstransporter. Investigation on the usefulness of p. t. o-driven trailers for farm transports. Jordbrtek. Inst. Meddel. Z43,96 p. Ref. 1952. 58.9 J762

27060 ANIANSSON, G. Om direktdrivna traktorkärrors användbarhet för lantbrukstransporter [Utilization of direct drive carts in farm transportation]. Jordbrtek. Inst. C. 9,16 p. 1952. 58.9 J762C

27061 ASHFIELD, H. E. The design and manufacture of a tractor. Brit. Tractors & Farm Mach. 4:429-434. Autumn 1952. 58.8 B773

27062 AUSHAMMER, G. Zweckmässige arbeitsbreiten bei wagen und ackergeräten im hackfruchtbau. Landwirt. Wchnbl. 142:1469,1471. Dec.20,1952. 18 L2338

27063 BOCK, G. Die luftbereifung des ackerschleppers. Dreschen u. Pflügen 7(10):3-8. Oct.15,1952. 58.8 D81

27064 BOLTON, B., and STANLEY, F. E. The cost of using liquefied petroleum gas as a tractor fuel in the Delta Cotton areas of Louisiana. La. Agr. Expt. Sta. Mimeog. C. 146,21 p. Dec.1952. 100 L935

27065 BOOKER, R. Are petroleum cooperatives keeping up with industry growth? Amer. Coop. 24:606-611. 1952. 280.29 Am3A

27066 CAROLIS, V. DE. Small multiple-use tractors. (In Italian.) Rinascita Agr. 7(11):2. Apr.1,1952. 281.8 R47

27067 DAHL, M. Are cooperatives keeping up with industry in crude production? Amer. Coop. 24:602-605. 1952. 280.29 Am3A
Petroleum.

27068 DEFREN, O. Neue anhängerbremse, die vom schlepper getätigt werden kann. Traktor 3:237-238. Oct.1952. 58.8 T677

27069 DEGTIAREV, V. A. Improving the air clearing system of S-80 tractor. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:58-63. Aug. 1952. 20 D742

27070 DETELS, H. Hydraulik-systeme an schleppern. Landmasch.-Markt 31:643-644. Oct.16,1952. 58.8 L239

27071 DINGENEN, F. VAN. Le choix d'un tracteur suivant des caracteristiques; la "consommation" des moteurs. Sillon Belge 22(531):1,3. Oct.25,1952. 13 Si3

27072 ELDER, H. Marketing. Amer. Coop. 24:612-615. 1952. 280.29 Am3A
Petroleum cooperatives.

27073 FAHR, W. DIN 9674 - dreipunkt-aufhängung. Landtechnik 7:729-732. Nov.30,1952. 58.8 L235

27074 FARMER, S. Don't crack a nut with a sledge-hammer. Power Farmer 10:4-6. Jan.1953. 58.8 P872
Small tractors.

27075 FILATOV, K. V. Utilization of DT-54 tractor in hay harvesting with electric hay mowing assemblies. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:85-87. Aug.1952. 20 D742

27076 GOMMEL, W. Beförderung. Masch. in der Landwirt. L_1,65 p. Oct.1952. 58 M37
Vehicles, elevators and conveyers.

27077 GRIFFITHS, J. N. The care and maintenance of the farm tractor. Beet Grower 6:130-135. Oct.1952. 66.8 B392

27078 HELBERG. Der luftgekühlte Eicher-Diesel-schlepper jetzt auch mit hydraulischem anbau-wende-pflug. Landmasch.-Rundschau 4:236-238. Oct.1952. 58.8 L237

27079 HERMANN, F. J. Wie sieht der ideale schlepper aus? Landmasch.-Markt 31:720-721. Nov.13, 1952. 58.8 L239

27080 HOBBS, C. E. How to improve the operations of local petroleum cooperatives; public relations. Amer. Coop. 24:597-601. 1952. 280.29 Am3A

27081 HUNT, J. E. Preventive maintenance of a farm tractor. Agr. Gaz. N. S. Wales 63:526-527. (Cont.) Oct.1952. 23 N472

27082 HUNT, J. E. Taking delivery of a new tractor. Power Farming Austral. & New Zeal. 61(10):55,57. Oct. 1952. 58.8 P87

27083 HURST, H. Nebraska tractor tests. VIII. Farm Impl. News 74:84-85,137-138. Jan.10,1953. 58.8 F22

27084 JONES, F. Historia del tractor. Res 20: 27523. Nov 5,1952. 286.85 R31

27085 JONES, W. D. A study of tractor costs on Welsh farms 1948-9 and 1949-50. Aberystwyth,1952. 19 p. 58 J723

27086 KAMMERLOHR. Eine neue rentabilitäts-berechnung. Traktor 3:250. Nov.1952. 58.8 T677
Tractors.

27087 KRIEBEL, M. Der neue Land-Bulldog. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1993-1994. Dec.4,1952. 18 L2346

27088 LAMOURIA, L. H. Propane gas as a tractor fuel. Impl. Rec. 50:24-26. Jan.1953. 58.8 Im73

27089 LARSSON, F. Lagerbehållare för motor-bränsle i jordbruket. Tanks for motor fuel in agriculture. Jordbr. Utredningsinst. Meddel. 5,13 p. 1952. 11 St63M
English summary.

27090 LENGSFELD. Warum normung der spur-weiten? Die schlepperspur bestimmt die reihenweite bei hackfrüchten. Deut. Landwirt. Gesell. Mitt. 67:851-852. Nov.13,1952. 18 N39

27091 LENGSFELD, J. Schlepperanhänger. Dreschen u. Pflügen 7(11):2-4. Nov.15,1952. 58.8 D81

27092 LEWIS, H. A. The place of the Diesel on the farm. Agr. Inst. Rev. 7(6):17-18. Nov.1952. 7 Ag8
Tractor.

27093 MANBY, T. C. D. Are tractor tests a realistic guide to performance? (Sum.) Farm Mech. 4:468-470. Dec.1952. 58.8 B772

27094 MANBY, T. C. D. How to understand a tractor test report. (Sum.) Agr. Mach. J. 6(12):32,70,72. Dec. 1952. 58.8 Ag86

27095 MAUCH, A. Der wirtschaftliche schlepper für den kleinen betrieb. Obstbauversring. Mitt. 6:187-189. Dec.1951. 85 J76

27096 MERRILL, R. D. Tractor production lags 24 percent behind '51. Farm Impl. News 74:75. Jan.10, 1953. 58.8 F22

27097 MEYER, F. Geht es doch nicht ohne pferde? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2086. Dec.20,1952. 18 L2346
Tractor use.

27098 MOGGACH, G. S., and DOWNING, C. G. E. Keep your tractor alive. Farmer's Mag. 50:11,40-41. Jan.1953. 7 C165

27099 MOGGACH, G. S., and DOWNING, C. G. E. Putting the tractor in moth balls, and winterizing for daily use. Farmer's Advocate & Canad. Countryman 87(3436):5,35-36. Dec.13,1952. 7 F22

27100 MÖLBERT, H. Kleinschlepper stellen sich vor. Landtechnik 7:725-728. Nov.30,1952. 58.8 L235

27101 PESARO, A. New criteria for construction of agricultural tractors. (In Italian.) Agr. Ferrarese 56:33-35. Feb.29,1952. 16 Ag87

27102 PINKERTON, G. I. Membership relations. Amer. Coop. 24:591-593. 1952. 280.29 Am3A
Petroleum cooperatives for the farmer.

27103 PREUSCHEN, G. Wie sollen wir unseren schlepper einsetzen? Traktor 3:263. (Cont.) Nov.1952. 58.8 T677

27104 PREUSCHEN, R. Der schlepper, seine kraftübertragung und die hilfsmittel dazu. Traktor 3: 260-261. Nov.1952. 58.8 T677

27105 REYNOLDS, P. A. Choosing your tractor. Nurseryman & Seedsman 115:848-849. Oct.16,1952. 80 N933

27106 RIES, L. W. Der schlepper im kleinbetrieb. Traktor 3:257,286. Nov.1952. 58.8 T677

27107 SCHWARZ, H. Das hat der schlepper erreicht Landtechnik 7:720-725. Nov.30,1952. 58.8 L235

27108 SCHWARZ, H. Schleppergemeinschaften. Landwirt. Z. der Nord-Rheinprov. 119:1307-1308. Nov. 29,1952. 18 L2344
Cooperative use.

27109 SCOTTON, M. Short-distance transportation of agricultural products. (In Italian.) Humus 8(9):32-33. Sept.1952. 16 H88
Equipment.

27110 SICK, W. Gerät am schlepper. Traktor 3:258. Nov.1952. 58.8 T677

27111 SOUTHWELL, P. H. The elements of agricultural tractor performance. Engineering 175(4536):6-8. Jan.2,1953. 290.8 En322

27112 TWELVE killed by tractors in 1951. New Zeal. J. Agr. 85:466-469,471,473-474. Dec.1952. 23 N48J
Safe tractor operation.

27113 WARDROP, G. Calling all tractors. Farmer & Stock-Breeder 66(3293):62-63,65. Dec.2,1952. 10 F228

27114 WEICK, F. E. Agricultural aviation research program of Texas A. and M. College system. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:215-216. 1951. 4 As7

FARM STRUCTURES AND RURAL HOUSING

27115 BUGE. Möglichkeiten neuer baugestaltung auf dem lande. ALB Mitt. 3:50-51. July/Aug.1952. 296.8 Ar1
Germany.

27116 CARTER, D. G. Challenges awaiting agricultural engineers in farm structures. Agr. Engin. 34:17-20. Jan.1953. 58.8 Ag83

27117 DESCHEPPER, H. Die aufgaben der ALB [Arbeitsgemeinschaft zur Förderung des Landwirtschaftlichen Bauwesens]. Tierzüchter 4:621-622. Dec.20, 1952. 49 T445

27118 DOBERT, and POHLMANN. Der bauernhof von morgen. ALB Mitt. 3:64-66. Sept./Oct.1952. 296.8 Ar1
Designs and specifications.

27119 FÖRSTER, E. Umgestaltung unwirtschaftlicher ställe in einem rheinischen mittelbetrieb. Tierzüchter 4: 624-625. Dec.20,1952. 49 T445

27120 HAASE. Der vollhäckselhof in anwendung auf das ostfreisische bauernhaus. ALB Mitt. 3:56-58. July/Aug.1952. 296.8 Ar1
Designs.

27121 KAISER, W. G. A century of progress in farm housing and storage structures. Agr. Engin. 34:34-36, 46. Jan.1953. 58.8 Ag83

27122 KIRSTEIN. Landwirtschaftliches bauen in Schweden. Frankfurt/Main,Arbeitsgemeinschaft zur Förderung des Landwirtschaftlichen Bauwesens,1952. 36 p. 296 K63

27123 KULKE. Ein umbau in enger dorflage. Tierzüchter 4:623-624. Dec.20,1952. 49 T445

27124 MUDGE, L. A. Some advice on farm building. Farmer [Bridgewater] 7:25-26. Autumn 1952. 10 F2282
Modernising old buildings or building new ones.

27125 PÜTZ. Zur künftigen gestaltung landwirtschaftlicher bauten. ALB Mitt. 3:61-63. Sept./Oct.1952. 296.8 Ar1
Germany.

27126 ROSS, D. Get set for big farm building program. Wood Constr. & Bldg. Mater. 39:28-29. Jan.1953. 99.81 W852

27127 SCHILEWSKI, G. Eindrücke von einer reise nach Jütland. ALB Mitt. 3:68-69. Sept./Oct.1952. 296.8 Ar1
Construction of farm buildings.

27128 STONEBURNER, P. W., and STERN, E. G. Design of nailed trussed rafters. Agr. Engin. 34:26-28. Jan.1953. 58.8 Ag83

Animal Shelters and Animal Service Buildings

27129 BARSEWISCH, E. VON. Tieflaufställe: versuchsergebnisse aus den USA. ALB Mitt. 3:63. Sept./Oct.1952. 296.8 Ar1

27130 BERGMANN, H. Erfahrungen im schuppenstall. Tierzucht 6:330-334. Oct.1952. 49 T443

27131 BISMARCK, VON. Betriebswirtschaftliche überlegungen zum stallbau. Tierzüchter 4:611-612. Dec. 20,1952. 49 T445

27132 BRANN, V. H. Houses for layers. Agr. Gaz. N. S. Wales 63:543-546. (Cont.) Oct.1952. 23 N472

27133 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. Low cost brooder house. Canada Poultryman 39(12):6-7. Dec.1952. 47.8 C166

27134 BUNDSCHUH, F. Bauliche umgestaltung unwirtschaftlicher ställe. Tierzüchter 4:622-623. Dec.20, 1952. 49 T445

27135 COOKE, C. Poultry housing. Minn. U. Agr. Ext. B. 121,rev.,16 p. June 1952. 275.29 M66S

27136 COOPER, J. O. Pig farrowing goes modern at Sand Mountain Substation. Ala. Farmer 32(2):7. Nov. 1952. 276.8 AL1
Farrowing house.

27137 DEFOREST, S. S., and JOHNSON, E. R. Electrical control for slot ventilators. Iowa. State Col. Agr. Ext. Pam. 187,2 p. July 1952. 275.29 Io9Pa
For poultry and hog houses.

27138 DUTTLINGER, E. Bäuerliche geflügelhaltung; verschiedene hühnerställe für den kleinbetrieb. Grüne 81:40-41. Jan.9,1953 17 Sch9

27139 EMEL'ÎANOV, I. G. Construction of livestock buildings. (In Russian.) Sotsialist. Zhivotnovod. 14(7):76-78. July 1952. 49 So71

27140 FACH, P. Sachgemässe stalldesinfektion vor dem aufstallen. Melkmaschinendienst, p.2-3. In Unser Milchvieh. 4(10). Oct.1952. 43.8 Un7

27141 FAIRBANKS, F. L., and GOODMAN, A. M. Principles of dairy-stable ventilation and construction of flues. N. Y. Agr. Col. Cornell Ext. B. 151,rev.,36 p. Sept.1952. 275.29 N48E

27142 FERREYRA, L. G. Gallinero para 200 aves. Chacra 23(265):61. Dec.1952. 9 C34

27143 GERRIE, W. A. G. Are you going to build a piggery? Plan your buildings on these basic principles. Dairy Farmer [Ipswich] 26:41-42. Jan.1953. 44.8 D1414

27144 GOVIN, L. Le nettoyage des étables. Agr. Prat. 116:497-499. Oct.1952. 14 J82

27145 GRIESACHER, J. Der ziegenstall und seine bedeutung. Österr. Kleintierzüchter 21/22:172. Nov. 1952. 49 Os7

27146 HALPAAP. Die einordnung des stalles in den hof. Tierzüchter 4:609-610. Dec.20,1952. 49 T445

27147 HAUCK, G. Chinchilla housing on the West Coast; a survey which explores the variations in design and materials, layout and efficiency. Natl. Chinchilla Breeder 8(11):18-19,46-50,52. Jan.1953. 412.628 N21

27148 HEUN, W. Stallbauformen und stallhygiene am Nordostabhang des Westerwaldes unter dem gesichtspunkt einer einwandfreien milchgewinnung. (Extr.) Giessen,1951. 15 p. 44 H48
Inaug.-Diss. - Giessen.

27149 HOARD'S Dairyman round table: how much barn space? Hoard's Dairyman 97:1002-1003,1020. Dec.25,1952. 44.8 H65

27150 HOFF, P. R. What about pole-type houses? Poultry Tribune 59(2):8,31,36-37. Feb.1953. 47.8 P8642

27151 JUDY, W. L. Kennel building and plans. Ed. 5. Chicago,1952. 96 p. 48 J92K

27152 JUHRE, F. Hühnerställe und ihre einrichtung. Tierzucht 6:348-351. Oct.1952. 49 T443

27153 KIRSTEIN. Neuzeitliche stallbauten des auslandes. Tierzüchter 4:625-628. Dec.20,1952. 49 T445

27154 KRÖGER, P. Entmistungsanlagen—kritisch betrachtet. Landtechnik 7:677-681. Nov.15,1952. 58.8 L235

27155 KULKE. Laufställe für das milchvieh. ALB Mitt. 3:53-56. July/Aug.1952. 296.8 Ar1

27156 LEE, C. E. Give your chicks plenty of fresh air. Everybodys Poultry Mag. 58:16,44-45. Jan.1953. 47.8 F213P
Housing ventilation.

27157 LEGGE, T. 3 milkings, 2 workers, 1 roof. Farmers Wk. [London] 38(4):56-57. Jan.23,1953. 10 F2226
Design and cost of a unit to house the dairy herd.

27158 LITZKI, A. Geflügelstall—billig und gut. Deut. Wirtgeflügelzucht. 5:95-96. Nov.22,1952. 47.8 D483

27159 LÖFKEN, A. Der neuzeitliche schweinestall. Tierzüchter 4:616-617. Dec.20,1952. 49 T445

27160 MADEISKY, U. Fachschrifttum und anschauungsmaterial über den stallbau. Tierzüchter 4:629-630. Dec.20,1952. 49 T445

27161 MAHR, T. Neue wege der entlüftung. Allgäuer Bauernbl. 20:673-674. Dec.4,1952. 18 AL53
Stables.

27162 MESCHINI, C. Standard of the Italian rural henhouse. (In Italian.) Mondo Agr. 3(42):4. Oct.19, 1952. 16 M74

27163 MUNOZ GARCES, C. Avicultura práctica elemental. I. Avicult. Téc. 5:67-69. Sept.1952. 47.8 Av57
Chick housing.

27164 OBER, J. Besonderheiten an stallfenstern. Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(7/8): 18-19. 1952. 49 B32

27165 OBER, J. Rindviehhaltung und stallbau. Tierzüchter 4:612-615. Dec.20,1952. 49 T445

27166 OBER, J. Verbesserte technik der stalllüftung. Deut. Landwirt. Gesell. Mitt. 67:946-948. Dec. 11,1952. 18 N39

27167 ODENWALD, M. Freilandhaltung - offenstall - frischluftstall. Tierzüchter 4:594-596. Dec.5,1952. 49 T445

27168 OHL, R. Luftige ställe für kleintiere. Thür. Kleintierzüchter 6:389-390. Nov.30,1952. 49 T42

27169 PFEIFFER, M. Sitzstangen. Bauer 5(40):10-11. Nov.15,1952. 19 B32
For poultry.

27170 RAU, H. F. P. Untersuchungen über hof- und stallverhältnisse im Kreise Wetzlar und vorschläge zu ihrer verbesserung unter besonderer berücksichtigung der rinderstallungen. (Sum.) Giessen,1951. 15 p. Ref. 40 R192
Inaug.-Diss. - Giessen.

27171 SCHÄFFER. Der frischluftstall. Deut. Landwirt. Gesell. Mitt. 67:844-845. Nov.13,1952. 18 N39
Design.

27172 SEUFERT, H. Der "modernste" kuhstall Europas in Südschweden. Unser Milchvieh. 4(11):4. Nov. 1952. 43.8 Un7

27173 SMITH, R. C., and MCDANIEL, W. E. Floor space affects broiler profits. Del. Agr. Expt. Sta. C. 25, 6 p. Sept.1952. 100 D37S

27174 TIKHOMIROV, V. P. Assistance of scientists in construction on collective farms. (In Russian.) Sotsialist. Zhivotnovod. 14(7):75-76. July 1952. 49 So71
Livestock building plans by Estonian State Institute of Planning Farm Buildings, Improvement and Electrification.

27175 TURK, K. L. Pen stabling advantages. Dairymen's League News 37:6-7. Jan.6,1952. 44.8 D1432

27176 TYRER, T. G. "Stoopless" milking up-to-date; super shed lay-out at Manurewa could serve as prototype for less costly elevated ball structures. New Zeal. Dairy Exporter 28(5):7,9-11. Nov.1952. 44.8 N484

27177 VOLCHKOV, V., and ELIASHVILI, A. I. Construction of reed-vaulted pens [for sheep]. (In Russian.) Sotsialist. Zhivotnovod. 14(9):82. Sept.1952. 49 So71

27178 VRAŽALIĆ, M. On buildings for raising horses. (In Serbo Croatian.) Vojvodanski Poljoprivrednik 8(13):4-9. Sept.1952. 21.5 V87

27179 VRAŽALIĆ, M. On structural objects for horse rearing. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(14):14-17. Oct.1952. 21.5 V87
Stables.

27180 WARFIELD, G. Ventilation boosts herd health. Elect. Farm Mag. 26:9-10. Jan.1953. 335.8 EL27

27181 WETTACH, A. M. Farrowing ideas you can use. Country Gent. 122(12):22-23. Dec.1952. 6 C833
Farrowing house.

27182 WICHERS, H. E., and LOCKRIDGE, D. Planning your poultry houses. Wash. State Col. Ext. B. 468, 8 p. Nov.1952. 275.29 W27P
Washington State College, Poultry Council cooperating.

27183 WITZEL, S. A. Plans for your new milk house. Hoard's Dairyman 98:11. Jan.10,1953. 44.8 H65

27184 WOLF, D. C. Chore-saving farrowing house. Country Gent. 123:16. Jan.1953. 6 C833

Farmhouses and Farmsteads

27185 BEYER, G. H. Rural housing in New York State. N. Y. (Cornell) Agr. Expt. Sta. B. 893,40 p. Oct. 1952. 100 N48C

27186 CROWTHER, G. W., and KORANDO, S. More house for your money. Conn. Agr. Col. Ext. B. 438,12 p. Jan.1952. 275.29 C76B

27187 HOWARD, M. S., WOOLRICH, A., and HOLMES, E. G. Housing needs and preferences of farm families; a comparison of data from studies in four regions. U. S. D. A. Agr. Inform. B. 96,63 p. Ref. Dec.1952. 1 Ag84Ab

27188 MCCULLOUGH, H. E. Space design for household storage. Ill. Agr. Expt. Sta. B. 557,74 p. Aug.1952. 100 IL6S

27189 MANITOBA. UNIVERSITY. SCHOOL OF ARCHITECTURE. PLANNING RESEARCH CENTRE. Farm house planning; farmstead planning; farm house design; 20 house plans; construction details. Winnipeg, 1952. 88 p. 296 M312F

27190 NOYES, H. Storage for your home. Utah. State Agr. Col. C. 166,14 p. Aug.1952. 275.29 Ut1

27191 PHILLIPS, K. G. Farm and rural housing. So. Austral. Dept. Agr. J. 56:120-123,128. Oct.1952. 23 So84

27192 PREAUD. Le IV[e] Congrès de l'Habitat Rural (Strasbourg, Octobre 1952). Acad. d'Agr. de France. Compt. Rend. 39:593. Oct.22/29,1952. 14 P215Bc

27193 STOLTE, G. Werkwohnungsbau auf dem lande; was sagt die statistik dazu? Übersicht 3(10):6-11. Oct.1952. 18 Ub3
Germany.

27194 STUBBS, C. C. Mejores hogares en la zona rural de Puerto Rico. Rev. del Café 8(3):9. Oct.1952. 8 R3295
Housing.

27195 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Your farmhouse: planning the bathroom. U. S. D. A. Home & Gard. B. 19,16 p. Oct.1952. 1 Ag84Hg
Revision of Miscellaneous Publication 638.

27196 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Your farmhouse: cutouts to help in planning. U. S. D. A. Home & Gard. B. 22, 55 p. Dec.1952. 1 Ag84Hg
U. S. Bureau of Human Nutrition and Home Economics and U. S. Extension Service cooperating.
Revision of Miscellaneous Publication 622.

Greenhouses and Plant Service Buildings

27197 KOENIG, H. M. More roses through instrumentation. Florists' Rev. 111(2874):15-16,25. Dec.25, 1952. 80 W41
Greenhouse equipment.

27198 MULLEN, E. My hobby greenhouse. Gloxinian 2(3):14-17. Nov./Dec.1952. 96.06 G51
Construction.

27199 NAGEL, R. F. Design considerations for a small orchid house. Mo. Bot. Gard. B. 40:156-160. Nov.1952. 451 M69B

27200 NEDERPEL, L. G., and KOOYMAN, H. It is possible to apply artificial light to plants economically? (In Dutch.) Groenten en Fruit 8:363-364. Nov.27,1952. 80 G89

27201 RAALTE, D. VAN. Utilization of industrial waste heat for heating of greenhouses. (In Flemish.) Cult. en Handel 18:699-701. Dec.1952. 80 C892
In Germany.

27202 REH, F.O., and REH, W. The evolution of the greenhouse. Mo. Bot. Gard. B. 40:144-152. Nov.1952. 451 M69B

27203 SUCKSDORFF, E. Hemmets växthus. En handledning för trädgardsamatörer [The home greenhouse. A guide for amateur gardeners]. Stockholm, Kooperativa Förbundets Bokförlag,1952. 34 p. 90.14 Su1

27204 WHITHED, M. O. No salt hay with solar electric sash house. N. J. Farm & Gard. 23(12):30-31. Dec.1952. 6 G162

Materials and Methods

27205 CAMMERER, J. S., and RITTER, O. Baustoffe für den stallbau. Tierzüchter 4:618-621. Dec.20,1952. 49 T445

27206 MIDDLETON, G. F. Earth wall construction. Power Farming Austral. & New Zeal. 61(10):21,23,25,27. (Cont.) Oct.1952. 58.8 P87

Storage Structures

27207 DIEDRICHS, H. Ein neues verfahren für den bau von gärfuttersilos. A LB Mitt. 3:52. July/Aug.1952. 296.8 Ar1

27208 GARBADE, H. Bäuerlicher silobau. Deut. Landwirt.-Gesell. Mitt. 67:778-779. Oct.23,1952. 18 N39

27209 HERE'S a 2-way elevator you can build. Farm Mangt. 2:30-31. Nov./Dec.1952. 281.8 F2225
Grain elevator design.

27210 KÖNEKAMP, A. H. Problem "bauernsilo." Deut. Landwirt.-Gesell. Mitt. 67:803-804. Oct.30,1952. 18 N39

27211 NATIONAL ASSOCIATION OF SILO MANUFACTURERS. Proceedings, thirty-ninth annual convention, November 26-27, 1951. Chicago,1952. 182 p. 60.79 N21

27212 ROGERS, C. F. Silo-silage relationship. Natl. Assoc. Silo Mfr. Proc. 39:2-17. 1952. 60.79 N21
Includes discussion.

27213 SINNARD, H. R. Bulk feed storage bins. Oreg. Agr. Expt. Sta. C. Inform. 517,7 p. Nov.1952. 100 Or3C

27214 TIMBER DEVELOPMENT ASSOCIATION. Timber implement shed. Timber Devlpmt. Assoc. Devlpmt. L. 1,4 p. 1952. 99.9 T48D

27215 VADÉ, S. Pour construire ou aménager un fruitier rationnel. Vie à la Campagne 41:344-347. Oct. 1952. 80 V67

27216 WHITESIDES, G. W. Silo maintenance responsibility and liability. Natl. Assoc. Silo Mfr. Proc. 39: 18-27,30-34. 1952. 60.79 N21
Includes discussion.

Walls and Fences

27217 BRANN, V. H. Poultry farm fences. Agr. Gaz. N. S. Wales 63:596-598. Nov.1952. 23 N472
Construction.

27218 EDWARDS, J. Judging gates. Q. J. Forestry 47:48-49. Jan.1953. 99.8 Q2

27219 HUNTER, D. Fencing sheep range pays. Mont. Wool Grower 27:20. Jan.1953. 45.8 M762

27220 JAGER. Elektrozaun-geräte auf dem prüfstand. Landbforsch. Völkenrode 2:40-41. Apr.1952. 18 L2353

27221 MALLETT, J. A. Farm fencing hints. 3. Straining the wires. West. Austral. Dept. Agr. J. (ser.3) 1:581-585. Sept./Oct.1952. 23 W52J

27222 SCOTT, D. F. Electric fencing: its installation and maintenance. New Zeal. J. Agr. 85:409,411,413-414. Nov.15,1952. 23 N48J

FARM UTILITIES

Electricity and Electrification

27223 ANDERSON, K. H. Working with the Extension Service. Power Supplier Conf. 4-H Farm & Home Elect. Program. Talks 1:32-37. 1952. 335.9 P87
4-H Farm and Home Electric Program.

27224 BAKER, C. Efficient business management necessary for success. Amer. Coop. 24:643-644. 1952. 280.29 Am3A
Rural electric cooperatives.

27225 BLACK, T. Figure it yourself! Rur. Electrif. News 18(5/6):4-6. Dec.1952/Jan.1953. 173.2 R88Rw
Rural electric cooperatives and electric farming programs.

27226 CAHILL, J. C. Field work with 4-H Clubs. Power Supplier Conf. 4-H Farm & Home Elect. Program. Talks 1:23-31. 1952. 335.9 P87

27227 CLAYTON, E. C. Electricity and horticulture; use of H.P.M.V. fittings in glasshouses—a new method. Elect. Times 122:1082. Dec.11,1952. 335.8 EL26

27228 COOKE, M. George Norris and the rural electric idea. Rur. Electrif. 11(4):14-15,66. Jan.1953. 335.8 N21

27229 ENGLAND, B. L. Making electricity do more and earn more for the farmer. (Excerpts.) Farm Electrif. 6(6):5-8. Nov./Dec.1952. 335.8 F224

27230 FARMING in Cornwall; progress of rural electrification. Elect. Rev. 152:3-10. Jan.2,1953. 335.8 EL22

27231 FISHER, S. Membership relations and public relations problems. Amer. Coop. 24:645-656. 1952. 280.29 Am3A
Rural electric cooperatives.

27232 GILCREAST, R. M. Electricity—how much? what for? N. Dak. Agr. Expt. Sta. B. 379,50 p. Oct.1952. 100 N813
U. S. Bureau of Agricultural Economics cooperating.

27233 GT. BRIT. BRITISH ELECTRICITY AUTHORITY. Fourth report and accounts 1951-2. London,1952. 271 p. 335.9 G793
Includes rural electrification.

27234 HAFER, T. H. Why I'm in favor of independent inspection. Rur. Electrif. 11(4):19. Jan.1953. 335.8 N21

27235 HEMKER, W. D. The latest in farm electrical equipment. Elect. World 138(25):39. Dec.22,1952. 335.8 EL2

27236 IRELAND. ELECTRICITY SUPPLY BOARD Twenty-fifth annual report for the year ended March 31st 1952. Dublin,1952. 92 p. 335.9 Ir4
Includes rural electrification.

27237 JOHNSON, R. E. Will your farm wiring handle the load? Ohio Farmer 211:3,36-37. Jan.3,1953. 6 Oh3

27238 KOHLHEPP, C. E. Farm electrification—a job for youth! Power Supplier Conf. 4-H Farm & Home Elect. Program. Talks 1:5-10. 1952. 335.9 P87

27239 KUNZE, O. R. Magic home in magic valley; good wiring and judicious usage provide electrical convenience at low cost. Elect. Farm Mag. 26:16-18,29. Jan.1953. 335 8 EL27

27240 MAREC, E. Le condensateur. Génie Rur. 45: 294-296. Oct.1952. 58.8 Au8

27241 MAREC, E. Vues françaises sur l'energie suivies d'un résumé des activités d'électricité de France. Génie Rur. 45:323-325. Nov.1952. 58.8 Au8

27242 MILLER, J. T. Selling the farmer in '53. Elect. Merchandising 85:84-85,286. Jan.1953. 335.8 EL242
Electrical equipment and household appliances.

27243 MOSS, B. S. Agricultural development programs of EEI's [Edison Electric Institute's] farm section. Farm Electrif. 6(6):1. Nov./Dec.1952. 335 8 F224

27244 OBENAUS, H. Elektrizität—hilfreich, aber auch gefährlich! Salzburger Bauer 7(43):6-7. Oct.23, 1952. 19 Sa3

27245 ONTARIO. HYDRO-ELECTRIC POWER COMMISSION. Forty-fourth annual report, 1951. Toronto,1952. 379 p. 335.9 On8
Contains data on rural electric services.

27246 OSTERBERGER, C. L. Power supplier awards programs and their value. Power Supplier Conf. 4-H Farm & Home Elect. Program. Talks 1:11-16. 1952. 335.9 P87
4-H Farm and Home Electric Program.

27247 PARVIS, W. J. How power suppliers can cooperate with leader training programs. Power Supplier Conf. 4-H Farm & Home Elect. Program. Talks 1:17-22. 1952. 335.9 P87
4-H Farm and Home Electric Program.

27248 PETIT, K. L. L'electricité à la ferme c'est de l'energie à bon compte. II. Sillon Belge 22(534):1-2. Nov.15,1952. 13 Si3

27249 POWER SUPPLIER CONFERENCE ON THE 4-H FARM AND HOME ELECTRIC PROGRAM, 1, 1952. Talks given. Pittsburgh,1952. 46 p. 335.9 P87

27250 RAUSHENBERGER, E. J. The application of internal combustion generating units in the rural electrification program. Washington,U. S. Rur. Electrif. Admin.,1952. 7 p. 1.933 R19
Presented at the Oil & Gas Power Conference of the American Society of Mechanical Engineers, Buffalo, June 26, 1952.

27251 SCHWAN. Der schutztransformator. Traktor 3:238-239. Oct.1952. 58.8 T677

27252 SHEPPERD, R. Background and objectives of new REA organization. Washington,U. S. Rur. Electrif. Admin.,1952. 5 p. 1.933 Sh4
Address at NRECA Regional Meeting, Fargo, Oct. 9, 1952; at Detroit, Oct. 20; at Little Rock. Oct. 31.

27253 SHERA, G. Power for farm and industry. Foreign Trade 13(314):12-13. Jan.3,1953. 286.8 C162
Electric power in Ireland.

27254 STEWART, G. H., and CRAVEN, R. 4-H farm and home electric program project guide. Clemson Agr. Col. S. C. Ext. C. 365,96 p. June 1952. 275.29 So8E

27255 U. S. RURAL ELECTRIFICATION ADMIN. Rural electrification in Wyoming. 82d Cong., 2d Sess. S. Doc. 167,12 p. 1952. 1 R88Rur

27256 URVACHEV, P. Utilization of electric motor in agricultural production. (In Russian.) Kolkhoz. Proizvodstvo 12(7):41-44. July 1952. 281.8 K83

27257 WAECHTER, H. VON. Electricity in West German agriculture. (In Swedish.) Joel 3:35-38. 1952. 335.8 J59

27258 WESTERBERG, K. Electricity—a farmer's servant. Stock & Dairy Farmer 40(5):3-4. Nov.1952. 6 N8195

27259 WHITHED, M. O. Stop this farm blackout! Rewiring will pay big dividends. Co. Agent & Vo-Ag Teacher 8(12):20-21. Dec.1952. 275.28 N213

27260 WICKARD, C. R. 1953 forecast for rural electric systems. Co-op Power 9(12):12,44. Dec.1952. 335.8 C78

27261 WISE, W. C. Background and objectives of new REA organization. Washington,U. S. Rur. Electrif. Admin.,1952. 5 p. 1.933 W75
Address at NRECA Regional Meeting, Miami Beach, Oct. 27, 1952; at Lexington, Oct. 20.

Heating, Lighting, and Radiation

27262 CAMPBELL, E. C. Developing a cooperative liquefied petroleum gas service. Amer. Coop. 24:616-621. 1952. 280.29 Am3A

27263 HAMILTON, C. L. Install and use infrared lamps safely—heat lamps for brooding chicks. Poultry Tribune 59(2):44,46-47. Feb.1953. 47.8 P8642

27264 HOLMBERG, C. B. Good light in the service buildings. (In Swedish.) Mjölkpropagandan 29:234,236-239. Oct.1952. 44.8 M692

27265 KOSMACK, K. Mistgaserzeugung in der landwirtschaft. Unser Milchvieh. 4(11):2. Nov.1952. 43.8 Un7

27266 MARTIN-LEAKE, H. Methane gas on farm and plantation. Internatl. Sugar J. 54:321-323. Dec.1952. 65.8 In8

Power Plants Motors and Engines on the Farm

27267 BRICKWOOD, H. Engine overhaul at home. I. Power Farmer 9:228-229. Dec.1952. 58.8 P872

27268 BRICKWOOD, H. Engine overhaul at home. 2. Power Farmer 10:32-34. Jan.1953. 58.8 P872

27269 FEDELE, F. Water, source of power in agriculture. (In Italian.) Terra e Sole 123:363-367. Nov. 1952. 16 T273
Includes hydroelectric power.

27270 FUNTIKOV, A. P. Utilization of wind motors on [livestock] collective farms in Chkalov Region. (In Russian.) Sotsialist. Zhivotnovod. 14(9):77-79. Sept. 1952. 49 So71

27271 HOFMANN, R. Prüfen der einspritzvorrichtung von Dieselmotoren. Landmasch.-Markt 31:757-758. Nov.27,1952. 58.8 L239

27272 JAKOB, R. Nochmals "elektro-motor"! Tech. f. Bauern u. Gart. Ausg. A 4:458-460. Oct.25,1952. 58.8 T223

27273 LLOYD, J. R. Care and maintenance of electric motors. Agr. Gaz. N. S. Wales 63:586-589. Nov. 1952. 23 N472

27274 MIGNOTTE, F. Une source d'énergie bon marché: le vent. Agriculture [Paris] 16:239-240. Oct. 1952. 14 Ag823

27275 SEIFERT, A. Der verbrennungsmotor in der landwirtschaftlichen praxis. Traktor 3:275. Nov.1952. 58.8 T677

27276 STAUSS, W. Energie für die landwirtschaft. Landtechnik 7:640-644. Nov.15,1952. 58.8 L235

Sewage and Waste Disposal

27277 RYAN, D. M. Sewage disposal and water systems on the farm. Minn. U. Agr. Ext. B. 247,rev.,24 p. July 1952. 275.29 M66S

Telephones

27278 BEHM, F. E. Repairing and rebuilding rural telephone plant. VI. Telephony 144(4):17-19,30. Jan. 24,1953. 335.8 T23

27279 SHEPPERD, S. R. Telephone outlook for 1953. Co-op Power 9(12):43-44. Dec.1952. 335.8 C78

27280 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Rural telephone service up-to-date, by R. Shepperd, A. Dell, and J. Towers. Washington,Oct.4, 1952. 3 p. 1.914 R2R11

Water Supply

27281 HOECHSTETTER, H. Fliessendes wasser - für mensch und vieh. Landtechnik 7:638-640. Nov.15, 1952. 58.8 L235

27282 NABBEN, M. The farm water system. Stock & Dairy Farmer 40(3):3,10. Sept.1952. 6 N8195
Chiefly equipment.

27283 TONNEMAKER, O. H. Domestic water for the Columbia Basin. Reclam. Era 38:278-279,297-298. Dec. 1952. 156.84 R24
How incorporated farm units may buy a share in a group well under the loan program of the Farmers Home Administration.

27284 TSERETELLI, K. E. Construction of pit wells with the utilization of reticulate-cement reinforcement. (In Russian.) Gidrotekh. i Melior. 4(7):43-55. July 1952. 290.8 G362

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

27285 AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Shortages of materials essential to rural production. Canberra,1952. 96 p. 281.1992 Au76Sh

27286 BRANNAN, C. F. Food for the long road ahead. Washington,U. S. D. A., Off. Sec.,1952. 6 p. 1.91 A2B73
Talk before Association of Land-Grant Colleges and Universities, Washington, D. C., Nov. 12, 1952.

27287 BUXANT, F. L'humanité mourra-t-elle de faim? Nat. de Mons et du Borinage. B. Mens. 34:23-25. 1951. 410.9 N212

27288 CALHOUN, F. E. Rations for flight feeding. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5: 27-32. 1952. 389.9 R313P

27289 CAMPBELL, J. D. W. Bright food future for Quebec. Canad. Grocer 67:40,73. Jan.1,1953. 286.83 C162

27290 CLEMENTS, F. W. The WHO in southern Asia and the Western Pacific. Pacific Aff. 25:334-348. Dec. 1952. 280.8 P11
Includes food and nutrition problems.

27291 COLÓN TORRES, R. Fomento de la producción de alimentos: puntal del desarrollo económico de Puerto Rico. Rev. de Agr. P. R. 43:3-12. Jan./June 1952. 8 R325

27292 CREA, V. Industrial crops. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(105):1-4. Dec. 16,1952. 281.8 Ag3
Situation.

27293 DOWNIE, J. A note on the demand for food. Econ. J. 62:936-939. Dec.1952. 280.8 Ec72
Includes rejoinder by H. S. Houthakker and J. Tobin.

27294 ELLIOT, W. Food from West Africa. Karachi Com. 4(91):5-6. Nov.11,1952. 280.8 K14

27295 FARM commodities outlook. Agr. Situation 36(12):8-17. Dec.1952. 1 Ec7Ag
Contents: Food, by M. C. Burk and H. Sherr; Feed, by M. Clough; Meat animals, by H. Breimyer; Dairy products, by H. Kriesel; Poultry and eggs, by E. Karpoff; Wheat, by R. Post; Fruit, by B. H. Pubols; Vegetables, by H. W. Mumford, Jr.; Oilseeds, by S. Gershben; Tobacco, by A. G. Conover; Cotton, by F. Lowenstein; Wool, by A. M. Hermie.

27296 FERGUSON, M. W. Food in Britain today. Canad. Home Econ. J. 2(4):3-4,12. Dec.1952. 321.8 C162

27297 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. Le Commonwealth source de matières premières. 2. France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture, Écon. Mond. 7:448-487. 1952. 280.9 F842
Includes agricultural products.

27298 GT. BRIT. MINISTRY OF FOOD. The future of the Overseas Food Corporation. London,H. M. Stationery Off.,1951. 18 p. ([Gt. Brit. Parliament. Papers by Command] Command 8125) 389.9 G79Fu

27299 HALLER, R. A. A formula for 1953. Wholesale Grocer News 27(10):34. Jan.1953. 286.83 W622

27300 HARMER, R. Es geht uns alle an! Die folgerungen aus der jüngsten wirtschaftsgestaltung für das ernährungswesen. L und E 5(8):3-4. Aug.1952. 389.8 Z34
Austria.

27301 HICKS, SIR S. C. The moral basis of the world food shortage. III. Rur. Life, Sept.1952:10-11. 281.28 R884

27302 HUNTER, A. S. The unique role of the Associates. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5:107-111. 1952. 389.9 R313P

27303 JAKOBS, H. Research on mucilagenous materials. J. Sci. Res. 1:129-130. May 1952. 475 J822
Amorphophallus, guar, tamarind seeds and seaweeds.

27304 JESSEN, A. Der ernährungshaushalt der Grosstadt. Köln,Heymann,1952. 144 p. 389 J49

27305 KISSER, J. Lebensmittel und ernährung. L und E 5(5):3-4. May 1952. 389.8 Z34

27306 KOCH, E. Prognosen nicht gefragt. Obst u. Gemüse 4:1134-1135. Nov.13,1952. 286.83 Ob72
Agricultural products in Germany.

27307 LAMONT, J. M. Food logistics in Korea. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5: 79-85. 1952. 389.9 R313P

27308 MCDOUGALL, F. L. Food and population. Internatl. Conciliation 486:537-584. Dec.1952. 280.8 In83

27309 MILLER, F. L. Research and development for defense. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5:70-76. 1952. 389.9 R313P
Includes food research.

27310 ÖSTERREICHISCHE GESELLSCHAFT FÜR ERNÄHRUNGSFORSCHUNG. Österreichs ernährungsproblem; gedanken und vorschläge. Wien,1952? 32 p. 389.8 Z34

27311 PYLER, E. J. Baking science and technology. Chicago,Siebel Pub. Co.,1952. 2 v. 389.253 P99
Contains chapters on flour, sugar, dairy products, and eggs.

27312 RESEARCH AND DEVELOPMENT ASSOCIATES, FOOD AND CONTAINER INSTITUTE. Proceedings of the fifth annual meeting, April 15 and 16, 1952, the Palmer House, Chicago, Illinois. Chicago,1952. 136 p. 389.9 R313P

27313 ROSS, E. Malthus y sus famosas teorias realidad actual? Economia 12(39):38-44. July 1952. 280.8 Ec734
Population and food supply.

27314 ROYAR, M. L. The Navy ration. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5:18-22. 1952. 389.9 R313P

27315 SKROCH, E. J. Solving subsistence problems of the South Korean Army. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5:85-90. 1952. 389.9 R313P

27316 SMITH, K. B. Observations in the food industry of the United States of America. Food Technol. Austral. 4:187,189,191,193. (Cont.) July 1952. 389.8 F7333

27317 SUBRAHMANYAN, V. Fat & lean years—a study of the problem of food shortage in India. J. Sci. & Indus. Res. 11A:437-439. Oct.1952. 475 J82

27318 SYMONS, W. T. The nourishment of Britain. Rur. Econ. 20(1):5. Jan./Feb.1952. 281.28 R8842
Situation and outlook.

27319 THORNBURG, K. S. The Quartermaster Subsistence School. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5:114-116. 1952. 389.9 R313P

27320 TRESSLER, D. K. Mobilizing outside research for ration improvement. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5:34-44. 1952. 389.9 R313P

27321 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. LATIN AMERICAN DIV. Trends in crop production in Latin America. Foreign Agr. 16:204-207. Nov.1952. 1.9 Ec7For

27322 VALES, E. Producción de alimentos en la zona cafetalera. Rev. de Agr. P. R. 43:57-59. Jan./June 1952. 8 R325

27323 WESTON, C. S. Food production and population Certif. Milk 27(12):13. Dec.1952. 44.8 C33

27324 WILLIS, P. S. Food supplies and prices. Macaroni J. 34(6):28,30. Oct.1952. 298.8 N46

27325 WIRTH. Versorgungslage bei wichtigen nahrungs- und futtermitteln in Baden-Württemberg, ein rückblick und ausblick. Württemb. Wchnbl. f. Landwirt. 119:1036. Nov.15,1952. 18 W96

ANALYSIS AND COMPOSITION

27326 BAKER, F., and HOBSON, P. N. The selective staining of intact and damaged starch granules by Safranin O and Niagara blue 4B. J. Sci. Food & Agr. 3: 608-612. Ref. Dec.1952. 382 So12

27327 DURMISHIDZE, S. V., and KHACHIDZE, O. T. Spectrophotometric method of determining red coloring matter in grapes and in wines. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:207-224. Ref. 1951. 95.9 Ak1
Russian summary.

27328 FALTINGS, V. Eine anwendung der natürlichen ^{14}C-aktivität in der lebensmittelchemie. Angew. Chem. 64:605-606. Nov.21,1952. 384 Z33

27329 GORFINKIEL, E., and POLLARD, A. G. A modified procedure for determining boron in plant material and soils using 1 :1´-dianthrimide. J. Sci. Food & Agr. 3:622-624. Dec.1952. 382 So12

27330 HADORN, H., and JUNGKUNZ, R. Zur bestimmung des gesamtfettes, milchfettes und eigehaltes in backwaren und diätetischen nährmitteln. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:197-210. Ref. 1952. 389.9 Sw6

27331 IYER, B. H. Chemistry of plant products. Annu. Rev. Biochem. & Allied Res. India 22:34-47. Ref. 1951,pub.Sept.1952. 385 So13

27332 MATTISSON, M. F., and LEGENDRE, K. A. Determination of the carboxyl content of oxidized starches. Analyt. Chem. 24:1942-1944. Dec.1952. 381 J825A

27333 MIRANDA, H. DE. Organoleptic tests of foodstuffs. II. (In Dutch.) Voeding 13:392-403. Oct.15, 1952. 389.8 V85
English summary.

27334 NAKANO, M., and YOSHII, H. Researches on food yeasts. I. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:21. Sept.1952. 389.9 T57
Analysis.

27335 PARTRIDGE, S. M. The use of ion-exchange resins for the separation of nitrogenous and other extractives of plant and animal tissue. Analyst 77:955-963. Ref. Dec.1952. 382 An1
Includes discussion.

27336 PHILLIPS, W. F. Colorimetric estimation of residual benzene hexachloride. Analyt. Chem. 24:1976-1979. Dec.1952. 381 J825A
In food.

27337 SCHRAMM, G. Neuere anschauungen über die struktur der eiweisskörper. (Sum.) Leder 3:256-257. Oct.1952. 303.8 L492

27338 SCHÜRCH, A. Die chromoxyd-indikatormethode zur verdaulichkeitsbestimmung. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:335-342. Ref. 1952. 389.9 Sw6
Food.

27339 SOLMS, J., DEUEL, H., and ANYAS-WEISZ, L. Über den mechanismus des enzymatischen abbaues von pektinstoffen verschiedenen veresterungsgrades. Helvet. Chim. Acta 35:2363-2367. 1952. 385 H36

27340 TANGANYIKA. GOVERNMENT CHEMIST. Annual report 1951. Dar es Salaam,1952. 10 p. 385 T15
Includes analyses of foodstuffs, agricultural products, soils, and fertilizers.

27341 TURIN. UNIVERSITÀ. CENTRO STUDI AMINOACIDI. Terminal amino-acids in microbe protides and Gram colouring. (In Italian.) Mondo del Latte 9:539,541. Sept.1952. 44.8 M74

CONSUMPTION AND UTILIZATION

27342 BEVAN, L. A. Progress in consumer education and marketing. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:178-180. 1951. 4 As7

27343 FERNÁNDEZ-CANO, L. H. Valorización de los productos agrícolas y aprovechamiento de los resíduos por vía biológica. Asoc. Nac. de Ingen. Agrón. B. 3(30):2-7. Sept.1952. 58.9 As5

27344 GOETHALS, C. A. The working up of agrarian residuary and by-products. J Sci. Res. 1:127-128. May 1952. 475 J822
In Indonesia.

27345 GONDHALEKAR, G. H. Utilization of agricultural wastes for paper manufacture. Poona Agr. Col. Mag. 43:15-18. June 1952. 22 P79

27346 HOFFERT, E. What a woman expects in canned foods she buys. Canner 116(2):16-17,22,24. Jan.10,1953. 286.83 C16

27347 KEIDING, E. Danish pharmaceutical manufactures using agricultural by-products. Dan. Foreign Off. J. 6:7-11. 1952. 286.8 D22

27348 MOSER, A. M., and others. Family food consumption in three types of farming areas of the South. II. An analysis of weekly food records, late winter and early spring, 1948. South. Coop. Ser. B. 20,207 p. Nov. 1951. 100 G29So
W. T. Dean, B. Gillaspie, D. Dickins, J. Staab, E. F. Phipard, and R. L. Anderson, joint authors.
The Agricultural Experiment Stations of Arkansas, Mississippi, South Carolina, Tennessee, and Virginia cooperating.

27349 SCHOFFELMAYER, V. H. Desert chemurgy. Chemurg. Digest 11(12):10-12. Dec.1952. 381 N213Na

27350 SCHUTZ, H. G., and PILGRIM, F. J. Psychophysiology in food acceptance research. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4:212-217. Third Q.1952. 389.9 As74A

DISTRIBUTION, MARKETING, AND TRANSPORTATION

27351 AMERICAN INSTITUTE OF FOOD DISTRIBUTION. Outlook for food sales in 1953. New York,1953. 36 p. 389.9 Am38

27352 ARELLANO A., O. Política caminera. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.200-203. Temuco,1952. 27 C7655

27353 BAIN, H. M. Special crops get special services. News Farmer Coop. 19(10):19,22. Jan.1953. 166.2 N47
Tobacco, dry beans, rice and honey cooperatives.

27354 BENSON, H. J. Grand Old Lady of Bowling Green. East. Feed Merchant 4:43,75. Jan.1953. 389.78 Ea7
The New York Produce Exchange.

27355 BOSTON CONFERENCE ON DISTRIBUTION. Twenty-fourth annual, 1952. Boston,1952. 104 p. 286.29 B65
Contains messages from C. F. Brannan and N. E. Dodd.

27356 BROWNE, A. E. Better produce merchandising through wholesaler training. Mktg. Activ. 15(11):8-11. Nov.1952. 1.942 A8M34

27357 BURROWS, G. L. An experiment in marketing. Agr. Econ. Res. 4:128-135. Dec.1952. 1 Ec7Agr
Uses and limitations of the latin square design, with reference to its use in the study of retail merchandising.

27358 BUTLER, K. D., and others. Looking ahead in food distribution and our standard of living. Boston Conf. Distrib. 24:62-69. 1952. 286.29 B65
W. Hardenbergh, J. C. Huttar, and H. W. Selby, joint authors.
Panel discussion.

27359 BYRNE, R. J. Ways to save on transportation. News for Farmer Coop. 19(9):3,12. Dec.1952. 166.2 N47

27360 CADWALLADER, L. F. The reallocation of raw materials. Bakers' Natl. Assoc. Rev. 69:1760,1784. Nov.7,1952. 389.8 N214
Great Britain.

27361 CANADA. MARKETING SERV. ECONOMICS DIV. The market for farm products in the Creston Valley of British Columbia, 1946, by J. C. Maxwell. Ottawa,1951. 20 p. 280.32 C16Mr

27362 CHARNECO, H. El programa de distribución de alimentos: un aspecto importante del mercadeo agrícola. Rev. de Agr. P. R. 43:207-212. Jan./June 1952. 8 R325

27363 CHUGUNOV, S. Obligations of a collective farm to the State on delivery of agricultural production. (In Russian.) Kolkhoz. Proizvodstvo 12(7):46-47. July 1952. 281.8 K83

27364 CLARK, R. M. Michigan teachers study problems of marketing and farmer cooperatives. Agr. Educ. Mag. 25:153,159. Jan.1953. 275.8 Ag8

27365 COLES, J. V. Some newer developments in marketing research. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:265-266. 1951. 4 As7

27366 CONVERSE, P. D., HUEGY, H. W., and MITCHELL, R. V. The elements of marketing. Ed. 5. New York,Prentice-Hall,1952. 968 p. 280.3 C76E
Contains chapters on marketing of agricultural products.

27367 CONYERS, L. N. Co-ops brake speeding transportation costs. News Farmer Coop. 19(10):9,23-24. Jan. 1953. 166.2 N47

27368 CORNFORD, F. Recent developments in refrigeration. Wash. State Col. Inst. Dairying. Proc. 21: 113-117. 1952. 44.9 W27
Refrigerator trucks.

27369 CROW, W. C. The new wholesale produce market at Hartford, Conn. Washington,U. S. Prod. & Mktg. Admin.,1952. 2 p. 1.956 M34C88
Comments on the opening of the market, Nov. 16, 1952.

27370 DIXON, H. M. New developments in marketing programs. Washington,U. S. Ext. Serv.,1952. 4 p. 1.913 E2D64
Presented at the Extension Marketing Conference, Logan, Utah, Sept. 29, 1952.

27371 DREYMÜLLER. Umwandlung des lieferungsvertrages. Steuer u. Recht 23:89-90. In Ernährungsdienst 7(138). Nov.29,1952. 389.8 Er62
Germany.

27372 GIFFORD, C. W. How to tell a good auction. Farm J. 77:32-33. Jan.1953. 6 F2212

27373 HASSELBACH, W. VON. Ausbau der markt- und preisberichterstattung unter besonderer berücksichtigung der landwirtschaftlichen genossenschaften. Agrarpolit. Rev. 9:3-11. Sept./Oct.1952. 281.8 Ag824
Germany.

27374 HASSELBACH, W. VON. Die landwirtschaftliche marktberichterstattung. Agrarwirtschaft 1:312-314. Nov.1952. 281.8 Ag826
Germany.

27375 HENDERSON, P. L. Methods of research in marketing; application of the double change-over design to measure carry-over effects of treatments in controlled experiments. N. Y. (Cornell) Agr. Expt. Sta. Paper 3, 86 p. July 1952. 280.39 N4834

27376 IRIZARRY, G. El sistema de mercadear productos agrícolas en Puerto Rico. Rev. de Agr. P. R. 43:202-206. Jan./June 1952. 8 R325

27377 KITTINGER, R. E. The next step in food industry cooperation. Wholesale Grocer News 27(10):32, 34. Jan.1953. 286.83 W622
Marketing.

27378 KOHLS, R. L., GAYLORD, F. C., and ORTH, C. M. Roadside marketing in Indiana. Ind. Agr. Expt. Sta. B. 577,19 p. Aug.1952. 100 In2P

27379 KRASKA, E. J. There are 10,000 ways to build canned foods acceptance. Canner 116:14-15. Jan. 3,1953. 286.83 C16

27380 LAWTON, H. B. Gives more time and effort; over the years the food broker has been adding to the service provided principals in the selling and distribution of their products. Canad. Grocer 67:36,44. Jan.1,1953. 286.83 C162

27381 LINDAHL, G. R., JR. Retail food distribution; an examination of Danish food retailing practices and suggestions for improvement. Copenhagen,1952. 46 p. 286.2 L643

27382 LLOYD, D. P. Competitive equality will help solve tomorrow's problems. Amer. Coop. 24:169-177. 1952. 280.29 Am3A
Marketing cooperatives.

27383 MENSOR M. E. How one canner handles product-liability claims. Food Drug Cosmetic Law J. 7: 681-693. Oct.1952. 389.58 F732

27384 MOREL, C. La voirie agricole. Génie Rur. 45:353-354. Dec.1952. 58.8 Au8

27385 PARMENTIER, P. Chronique de l'organisation juridique des marchés agricoles. Rev. de Lég. Agr. 5: 242-245. Nov.1952. 281.8 R325
France.

27386 PYKE, L. R. Legislation and marketing organisation. Tasmania. Dept. Agr. Tasmanian J. Agr. 23: 335-340. Nov.1952. 23 T182T

27387 RADA, E. L. Money from mainland markets. Hawaii Farm Sci. [Hawaii Sta.] 1(2):2,6. July 1952. 100 H314

27388 REID, I. G. Marketing. Young Farmers' Club Booklet 26,47 p. Sept.1952. 10 Y82
Marketing of milk, eggs, beef, wool, wheat, potatoes, brussels sprouts, and sugar beets in Great Britain.

27389 SANT'AMBROGIO, L. An element determining the level of cost of distribution of merchandise. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statis. 5(8):5-12. Aug.1952. 280.9 M587B
Food products in Italy.

27390 SASMAN, L. M. Preparing the teacher for teaching cooperative marketing. Amer. Coop. 24:319-322. 1952. 280.29 Am3A

27391 SCHATAN, J. El abastecimiento de productos alimenticios en Santiago. Economía 12(39):45-68. July 1952. 280.8 Ec734
Chile.

27392 SHELLEY, O. R. Financing marketing cooperatives. Amer. Coop. 24:781-789. 1952. 280.29 Am3A

27393 SHELLEY, O. R. Financing marketing cooperatives. Washington,U. S. Ext. Serv.,1952. 7 p. 1.913 E2F49
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

27394 SHEPHERD, G., and GOLDMAN, A. Methods and procedures in planning regional marketing research. J. Farm Econ. 34:884-896. Dec.1952. 280.8 J822
Includes discussion by J. W. Reitz.

27395 SMITH, E. J. Big business under the planes; a portrait of Gloucester market. Farmers Wk. [London] 37(26):37-39. Dec.24,1952. 10 F2226

27396 SOUTHWORTH, H. M. What has regional research contributed to marketing? J. Farm Econ. 34: 875-883. Dec.1952. 280.8 J822

27397 STENSGARD, A. The cooperative marketing organizations during the year 1950. (In Swedish.) Lantmannen 35:923-924. (Cont.) Dec.15,1951. 11 L234

27398 STEWART, F. K. B. Ontario Farm Products Marketing Act. Amer. Coop. 24:435-442. 1952. 280.29 Am3A

27399 TAYLOR, M. H., and MICHAELSEN, L. C. Market farm products by weight. Utah. State Agr. Col. Ext. Fact Sheet 9,4 p. June 1952. 275.29 Ut1F
Chiefly on the use of scales.

27400 TEWKSBURY, R. B. Rail transportation of perishable foodstuffs. Refrig. Engin. 61:52-54,108. Jan.1953. 295.9 Am32J

27401 U. S. COMMODITY EXCHANGE AUTHORITY. Commodity Exchange Act as amended. Rules and regulations of the Secretary of Agriculture promulgated thereunder. Orders of Commodity Exchange Commission pursuant to section 4a, and order of Secretary of Agriculture pursuant to section 5a(4), of act. Rev. to Aug. 13, 1952. Washington,1952. 95 p. 1 C73C

27402 U. S. COMMODITY EXCHANGE AUTHORITY. Report, 1951/52. Washington,1952. 24 p. 1 C73Rea

27403 U. S. DEPT. OF AGRICULTURE. Partial list of U. S. Department of Agriculture publications relating to frozen food marketing. Washington,1952. 1 p. 1.90 A2P25

27404 U. S. DEPT. OF AGRICULTURE. Technology in food marketing; a survey of developments and trends in the processing and distribution of farm-produced foods, 1930-50. U. S. D. A. Agr. Monog. 14,115 p. Ref. Oct.1952. 1 Ag84Am

27405 U. S. PRODUCTION AND MARKETING ADMIN. The relation between locker plants and home freezers in the distribution of frozen foods in Arizona. 2 Quantity buying for home-freezer storage, by B. E. Johnson and J. A. Mixon. Washington,1952. 29 p. 1.956 M343R27
Arizona University, College of Agriculture cooperating.

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

27406 BEALS, O. K. Food sanitation problems across State lines. Oreg. Dept. Agr. Agr. B. 176:10-11. Dec.1952. 2 Or3

27407 CAMPOS, J. Es interesante conocer los defectos y las alteraciones en conservas de frutas. Mundo Agr. 4(41):72-73. Oct.1952. 9 M92

27408 CHRISTOPHER, T. W. Constitutional questions in the regulation of food and drugs by the States. Food Drug Cosmetic Law J. 7:638-645. Oct.1952. 389.58 F732

27409 CURRAN, R. E. Revision of Canadian Food and Drugs Act. Food Drug Cosmetic Law J. 7:711-723. Nov.1952. 389.58 F732

27410 DESHUSSES, J., and DESHUSSES, L. Insecticides et raticides devant l'hygiène publique. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:155-195. Ref. 1952. 389.9 Sw6

27411 FEIG, M. The investigation of food-borne outbreaks of acute gastroenteritis. Amer. J. Pub. Health 42: 1535-1541. Dec.1952. 449.9 Am3J

27412 FINCKE, H. Beeinflussen die anforderungen des lebensmittelrechts den lebensmittelwert der süsswaren ausreichend? Zucker- u. Süsswaren-Wirt. 5:767-769. Oct.5,1952. 286.86 Z8
Germany.

27413 GT. BRIT. MINISTRY OF HEALTH. Report covering the period 1st April, 1950, to 31st December, 1951. 1. The National Health Service (including a chapter on international health); 2. Welfare, Food and Drugs, Civil Defence. London,1952. 166 p. 449.75 G79A
Includes food regulation.

27414 HAMANN, V. Diätetische lebensmittel in ihrer rechtlichen stellung zwischen arzneimitteln und lebensmitteln. Deut. Apoth.-Ztg. 92:832-834. Oct.31, 1952. 396.8 Su2

27415 HART, F. L. History of food adulteration—the impact of war. Food Drug Cosmetic Law J. 7:724-737. Nov.1952. 389.58 F732

27416 HINTON, C. L. Amended food regulations of New South Wales. Food [London] 21:465-466. Dec.1952. 389.8 F738

27417 HUDSON, W. D. Food and drug law in the school curriculum. Food Drug Cosmetic Law J. 7:661-665. Oct.1952. 389.58 F732

27418 JENSEN, F. B. Food investigations and what they tell. (In Danish.) Tidsskr. f. Hush. 31:131-132. Oct.8,1952. 321.8 T43
Denmark.

27419 LAKEY, J. F. Historical development and present status of Texas food and drug law. Food Drug Cosmetic Law J. 7:646-653. Oct.1952. 389.58 F732

27420 LARRICK, G. P. Comments from the Food and Drug Administration. Food Drug Cosmetic Law J. 7:629-637. Oct.1952. 389.58 F732
Food and drug regulation.

27421 OCASIO, J. L. La importancia de la clasificación de productos agrícolas en un sistema de mercadear. Rev. de Agr. P. R. 43:227-230. Jan./June 1952. 8 R325

27422 RHYNE, C. S. Penalty through publicity: FDA's restitution gambit. Food Drug Cosmetic Law J. 7:666-680. Oct.1952. 389.58 F732

27423 ROTTINGER, A. Ernährung und lebensmittelrecht. L und E 5(6):5. June 1952. 389.8 Z34
Austria.

27424 TOBEY, E. R., and others. Foods and drugs, 1951-52. Maine. Agr. Expt. Sta. Off. Insp. 223,56 p. June 1952. 100 M28S

27425 VALE, L. H. Present tendencies in the adulteration and contamination of food. Roy. Sanit. Inst. J. 73:24-32. Jan.1953. 449.9 R812
Great Britain.
Includes discussion.

27426 VAUGHN, R. H., KREULEVITCH, I. H., and MERCER, W. A. Spoilage of canned foods caused by the Bacillus macerans-polymyxa group of bacteria. Food Res. 17:560-570. Ref. Nov./Dec.1952. 389.8 F7322

27427 WILLIAMS, E. B. Label—plus. Food Drug Cosmetic Law J. 7:694-703. Oct.1952. 389.58 F732
Misbranding and adulteration.

PACKING AND PACKAGING

27428 ANQUEZ, M. La viande préemballée. Génie Rur. 45:347-349. Dec.1952. 58.8 Au8

27429 BAILEY, J. C. Canning food in aluminium. Food Technol. Austral. 4:171,173. June 1952. 389.8 F7333

27430 CHRISTENSSON, S. Rostskador på konservburkar under sjötransporter. [Rust damage to food cans during sea transportation]. Svenska Inst. f. Konservforsk. P. 64,4 p. 1952. 389.9 Sv2

27431 EMANUELE, F. A new container for preserved products: the flexible aluminum tube. (In Italian.) Indus. Ital. delle Conserve 27:41-46. Mar./Apr.1952. 389.8 In23

27432 HAMMOND, A. E. Collapsible tubes as food packs. Food [London] 22(256):18-20. Jan.1953. 389.8 F738

27433 KLINGELHOFFER, H. Kunststoffe für die lebensmittel-verpackung. Kunststoffe 42:465-468. Dec. 1952. 309.8 K96

27434 MYERS, E. C. Considerations in planning container research. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4:233-238. Third Q.1952. 389.9 As74A

27435 NEWALD, E. Die verpackung in der nahrungs- und genussmittelerzeugung. (Extr.) L und E 5(6):6-8. June 1952. 389.8 Z34

27436 OWEN, W. L. Pinning down bag-borne bacteria. Food Engin. 25:57-58,132,134. Jan.1953. 389.8 F737

27437 RAND, W. M., JR. Metal closures for glass food containers in the United States. Food Technol. Austral. 4:120,122,124,126,155,157,159,161-162. May-June 1952. 389.8 F7333

27438 STEINBERG, N. Why prepackage? Pre-Pack-Age 6(5):14-15,18-19. Jan.1953. 280.38 P91

27439 SULLIVAN, J. P. Packaging performance under combat conditions. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5:22-27. 1952. 389.9 R313P

27440 THOMSON, A. G. Synthetic resins and latices in the food industry. Food [London] 21:474-476. Dec. 1952. 389.8 F738
Packaging materials of polyvinyl resins.

PRICES, PRICE CONTROL, AND RATIONING

27441 BAPTIST, G. Le problème de la parité entre les prix agricoles et les prix industriels. Agrarpolit. Rev. 9:12-25. Sept./Oct.1952. 281.8 Ag824

27442 CROWELL, F. M. Price support programs. (Sum.) Amer. Tung Oil Assoc. Proc. 19:58-63. 1952. 77.9 Am32

27443 DEGRAFF, H. What about the high price of food? Boston Conf. Distrib. 24:58-61. 1952. 286.29 B65

27444 DEGRAFF, H. What about the high price of food? Vital Speeches 19:153-156. Dec.15,1952. 280.8 V83

27445 DVORACEK, D. C. Who gets the consumer's dollar? Minn. U. Agr. Ext. Pam. 185,4 p.-folder. June 1952. 275.29 M66P

27446 EIGNER, M. Die preisentwicklung auf den internationalen nahrungs- und genussmittelmärkten. L und E 5(10):16-17. Oct.1952. 389.8 Z34

27447 EMPSON, J. Facing up to freedom. Farmer & Stock-Breeder 67(3299):37,39. Jan.13,1953. 10 F228
Decontrol of home-grown food in Great Britain and new methods of price fixing.

27448 EZEKIEL, M. Public price policies and trends in international trade. J. Farm Econ. 34:649-661 Dec.1952. 280.8 J822
Includes discussion by E. M. H. Lloyd.

27449 FULKER, C. W. Chances of derationing. Co-op. Rev. 26:282-283. Dec.1952. 280.28 C7823
Great Britain.

27450 GORDON, H. S. Government price support policy. Business Q. 17:187-197. Fall 1952. 280.8 Q24
Agricultural prices in Canada.

27451 GORSE, A. La politique de soutien des prix agricoles entretient aux U.S.A. une paysannerie forte et prospère. École Colon. d'Agr. de Tuni . Assoc. Amicale des Anciens Élèves. B. Périod. 136:53-55. Sept./Oct.1952. 24 T833B

27452 GUBIN, S. N. Farm price supports are stimulators. Co-op Grain Q. 10(4):41. Dec.1952. 280.28 C7898

27453 GUTMAN, G. O. Food price trends; movements in Australia and the United States. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:138-141. Oct.1952. 281.9 Au73

27454 HEMPHILL, P. V. Farm commodity prices continue downward trend. N. Dak. Agr. Expt. Sta. Bimon. B. 15:63-64. Nov./Dec.1952. 100 N813B

27455 HOFSTEN, E. VON. Price indexes and quality changes. Stockholm, Bokförlaget Forum AB, 1952. 135 p. Ref. 284.3 H67

27456 JESNESS, O. B. What sort of a farm price policy is practical in the U.S.A.? J. Farm Econ. 34:616-629. Dec.1952. 280.8 J822
Includes discussion by T. W. Schultz and O. C. Stine.

27457 MEHREN, G. L. Direct price control in food and agriculture. J. Farm Econ. 34:698-712. Dec.1952. 280.8 J822
Includes discussion by E. J. Working.

27458 SAXON, E. A. Movements in prices received and paid by farmers. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:149-154. Oct.1952. 281.9 Au73

27459 U. S. BUR. OF LABOR STATISTICS. Wholesale prices, 1950. U. S. Bur. Labor Statis. B. 1083, 65 p. 1952. 158.6 B87
Includes food prices.

27460 U. S. OFF. OF PRICE STABILIZATION. When you buy food. Washington, 1952. 4 p. 173.3 P93W
Price ceilings.

27461 VERTUNNI, R. The price regulation system in the United States. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(100):15. Nov.29,1952. 281.8 Ag3

27462 WAUGH, F. V. What sort of price policy is practical in the U.S.A.? J. Farm Econ. 34:605-615. Dec.1952. 280.8 J822
Discussion by T. W. Schultz and O. C. Stine, p. 624-629.

27463 WELLS, C. F. Lower export demand a factor in price outlook for farmers. Agr. Situation 36(12):5-6. Dec.1952. 1 Ec7Ag

PROCESSING AND STORAGE

27464 ADAMS, M. Amylases: their kinds and properties and factors which influence their activity. Food Technol. 7:35-38. Ref. Jan.1953. 389.8 F7398
In food processing.

27465 ADAMSON, W M. Food technology curriculum requires engineering supplement to familiarize students with principles of plant operation. Food Canada 12(12): 25-27. Dec.1952. 389.8 F7323

27466 BADGER, W. L., and LINDSAY, R. A. Evaporation. Unit Oper. Rev., p.55-58. Ref. In Indus. & Engin. Chem. 45(1). Jan.1953. 381 J825
Food products.

27467 BALAKRISHNAN, S., and RAJAGOPALAN, R. Food technology. Annu. Rev. Biochem. & Allied Res. India 22:57-60. Ref. 1951, pub.Sept.1952. 385 So13

27468 BONNET, J. Les progrès dans les industries agricoles. Sucr. Belge 72:141-146. Dec.1/15,1952. 66.8 Su1
Food processing.

27469 BORRINI, T. Extent of use of quaternary ammonium compounds as sterilizers in the processing industry. (In Italian.) Indus. Ital. delle Conserve 27: 75-77. Mar./Apr.1952. 389.8 In23

27470 BROWNELL, L. E., LAWRENCE, C. A., and GRAIKOSKI, J. T. Sterilizing foods by cold gamma rays. Refrig. Engin. 61:55-57,104. Ref. Jan.1953. 295.9 Am32J

27471 BURD, E. D. Frozen food industry advised to recognize value of "plans." Frosted Food Field 15(6): 18. Dec.1952. 389.8 F922

27472 CENTRICH SUREDA, J. La congelación rápida: sus definiciones; sus métodos; sus aplicaciones. Veterinaria [Madrid] 16:1045-1050. Nov.1952. 41.8 V6429

27473 COOKE, J. The future of frozen foods. Frosted Food Field 15(5):3,27. Nov 1952. 389.8 F922

27474 DANCKWERTS, P. V., and SELLERS, E. S. Food from algae and yeast. 1. Food [London] 21:459-461. Dec.1952. 389.8 F738

27475 DANCKWERTS, P. V., and SELLERS, E. S. Food from algae and yeast; the second article deals with a semi-continuous process for the production of fat from yeast cultured from molasses. Food [London] 22 (256):23-25. Jan.1953. 389.8 F738

27476 DEATHERAGE, J. R. Two hundred years of "appertizing." Mktg. Activ. 15(10):13-17. Oct.1952. 1.942 A8M34
Progress in food canning since its beginning by Nicolas Appert.

27477 DERMINE, P. Méthodes commerciales de mise en conserve. Rev. d'Oka 26:142-160. (Cont.) Sept./Oct.1952. 7 Ok1
Food processing sanitation.

27478 ECKBLAD, I., NOYES, H., and HICKS, R. S. In and out of the food freezer. Wash. State Col. Ext. Mimeog. 1405,2 p. Dec.1952. 275.29 W27Mi

27479 FÖRENINGEN FOR ELEKTRICITETENS RATIONELLA ANVÄNDNING. Konservering i elköket [Canning in the electric kitchen]. Stockholm, 1951. 29 p. 389.3 F762

27480 HAYNER, J. H., and PROCTOR, B. E. Investigations relating to the possible use of atomic fission products for food sterilization. Food Technol. 7:6-10. Ref. Jan.1953. 389.8 F7398

27481 IYER, V., and BHAT, J. V. The resistance of certain dominant bacilli to food preservatives. J. Sci. & Indus. Res. 11B:480-481. Nov.1952. 475 J82

27482 JAEGER, H. The canning industry must throw away the mousetrap. Canning Trade 75(25):7-8. Jan.5,1952. 286.83 T67

27483 JOHNSTON, W. R., and ATKIN, L. The research laboratory—its role in the control of food products. Food Technol. 7:10-14. Jan.1953. 389.8 F7398

27484 LAMB, P., and HAVIGHORST, C. R. Top-rank quick-freeze operation. Food Engin. 25:68-73. Jan.1953. 389.8 F737

27485 MANN, L. B. Frozen food lockers key to better eating. News Farmer Coop. 19(10):15-16. Jan. 1953. 166.2 N47
Cooperative locker plants.

27486 MARCUSE, R. Analys- och kontrollmetoder för antioxidantia. [Analysis and control methods for antioxidants]. Svenska Inst. f. Konservforsk. P. 68,13 p. 1952. 389.9 Sv2
In food.

27487 MARSHALL, W. R. Drying. Unit Oper. Rev., p.47-54. Ref. In Indus. & Engin. Chem. 45(1): Jan.1953. 381 J825
Includes agricultural products.

27488 MATSUYA, Y. Saishin nosan kako seizo zensho [A complete book of modern agricultural manufacturing]. Tokyo, Maki Shobo, 1952. 360 p. 281.183 M42

27489 NATIONAL CANNERS ASSOCIATION. Canners directory 1952. Washington, 1952. 250 p. 389.9 N214

27490 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. Cold storage holdings in New York 1950-1952. Albany, 1952. 41 p. 295.9 N482

27491 PAPPACODA, E. Lyophyllization, latest process for drying of food products through sublimation. (In Italian.) Indus. Ital. delle Conserve 27:64-74. Mar./Apr.1952. 389.8 In23

27492 PARKER, M. E., HARVEY, E. H., and STATELER, E. S. Elements of food engineering, v. 1. New York, Reinhold, 1952. 386 p. 389 P22

27493 PATASHNIK, M. A simplified procedure for thermal process evaluation. Food Technol. 7:1-6. , Ref. Jan.1953. 389.8 F7398

27494 PEARCE, W. E., and WHEATON, E. Autosterilization of thermophilic spores in canned foods. Food Res. 17:487-494. Nov./Dec.1952. 389.8 F7322

27495 RAIN, J. Kleinkühlanlagen. L und E 5(5):10-11; (7):10-11. June-July 1952. 389.8 Z34

27496 RUDIGER, M. T. Der landwirtschaftliche brennereibetrieb. Ed. 6, rev. Stuttgart,Enke,1952. 239 p. 390.1 R83
Includes raw materials.

27497 SUMMER, W. High frequency and infra red. Food [London] 22(256):4-7. (Cont.) Jan.1953. 389.8 F738
In food processing.

27498 TEMPLIN, A. T. Picking the proper screens for most efficient sifting. Food Engin. 25:78-79,134, 136. Jan.1953. 389.8 F737
Food.

27499 THOMPSON, L. S. The management of reserve stocks. J. Farm Econ. 34:713-722. Dec.1952. 280.8 J822
Includes discussion by L. W. Schruben.

27500 UNION SUISSE DU COMMERCE ET DE L'INDUSTRIE. VORORT. Rapport sur le commerce et l'industrie de la Suisse en 1951. Zurich,1952. 215 p. 262 Un32
Includes the agricultural products processing industries.

27501 U. S. PRODUCTION AND MARKETING ADMIN. A survey of the capacity of refrigerated storage warehouses in the United States as of October 1, 1951. Washington,1952. 38 p. (Report 16) 1.9 Ec7Tab

27502 WESTINGHOUSE ELECTRIC & MANUFACTURING CO. HOME ECONOMICS INSTITUTE. Freeze with ease in a westinghouse home freezer. Mansfield, Ohio,1952. 80 p. 295 w522

27503 WILSON & CO., CHICAGO. Rat control; how to keep rodents out of food plants, by A. J. Steffen. Chicago, 1951. 27 p. 412.7 W69

27504 ZIMMERMANN, G. Die wirkung der hitzebehandlung auf den nährwert des eiweisses in nahrungs- und futtermitteln. Zürich,Juris-Verlag,1952. 249 p. Ref. 389.1 Z62
Promotionsarbeit - Eidgenössische Technische Hochschule, Zürich.

STATISTICS

27505 ARANGO, R. Producción agrícola en los últimos años. Habano 18(10):10-11,28-32. Oct.1952. 69.8 H11
Cuba.

27506 BAUMANN, H. Stellungnahme zur wetterertragsrechnung von Dr. Thran. Deut. Wetterdienst in der US-Zone. Ber. 32:102-103. 1952. 345 G313

27507 BOMBAY. BUR. OF ECONOMICS AND STATISTICS. Report on the scheme for estimation of area of principal crops in unsurveyed villages. Bombay. Bur. Econ. & Statis. B. 5(4):1-17. Apr.1952. 269.54 Ec7

27508 BOMBAY. DEPT. OF AGRICULTURE. Season and crop report of the Bombay State for the year 1949-50. Bombay,1952. 85 p. 22 B63S

27509 BROUWER, W. Bemerkungen zur wetterertragsrechnung des Dr. Thran. Deut. Wetterdienst in der US-Zone. Ber. 32:101-102. 1952. 345 G313

27510 DENMARK. STATISTISKE DEPT. Statistisk årbog 1952, Statistical yearbook 1952. København,1952. 405 p. 257.1 St2
Includes agricultural statistics.

27511 FRANCE. PRÉSIDENCE DU CONSEIL. Facts & figures about French North Africa. Paris,Off. Tech. P. French Prime Minister,1952. 51 p. 270 F847
Includes agriculture.

27512 FROSTENSON, G. Agricultural statistics in the United States. (In Swedish.) Jordbrekon. Meddel. 14: 453-460. Nov.1952. 257.3 J76
English summary, p. 434.

27513 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Agricultural statistics 1945-9, England and Wales. 1. London,1952. 216 p. 256.01 Ag8Ag

27514 HAMBURGISCHES WELT-WIRTSCHAFTS-ARCHIV. Die Vereinigten Staaten von Amerika; ein statistisches zahlenbild, by W. Scholte. Frankfurt/Main, 1951. 81 p. Ref. (Schriften der Gesellschaft zur Förderung des Deutsch-Amerikanischen Handels) 252 H17
Includes agricultural statistics.

27515 THE HANDBOOK of basic economic statistics, 1953 annual edition, January 2, 1953, vol. VII, No. 1. Washington,D.C.,Econ. Statis. Bur.,1953. 256 p. 252 H19
Includes agricultural statistics.

27516 HINE, W. G. Some post-war trends in Australian crop acreages. Westralian Farmers' Co-op Gaz. 23:149-152. Oct.1952. 280.28 W522

27517 INDIA. CENTRAL STATISTICAL ORGANISATION. Statistical abstract, India, 1950, new series, No. 2. Delhi,1952. 901 p. 269.5 Ec72S
Includes agriculture.

27518 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian agricultural statistics 1947-48 & 1948-49, volume I (summary tables). Delhi,1952. 14 p. 269.5 St2Ag

27519 KANSAS. STATE BOARD OF AGRICULTURE. 1951 farm facts. Topeka,1952. 118 p. 2 K13Re
Statistics.

27520 KENDALL, M. G. The sources and nature of the statistics of the United Kingdom, v. 1. London,Roy. Statis. Soc.,1952. 352 p. Ref. 256 K33
Includes sources of agricultural statistics.

27521 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFUHRUNGS-GESELLSCHAFT M.B.H., WIEN. Die lage der österreichischen landwirtschaft im berichtsjahr 1950/51. Wien,1952. 176 p. 266 L23
Statistical.

27522 LEBERT, H. The production and consumption of farm produce during the production year 1951/52. (In Swedish.) Jordbrekon. Meddel. 14:435-448. Nov.1952. 257.3 J76
English summary, p. 434.
Statistica.

27523 MADHYA BHARAT. DEPT. OF ECONOMIC INTELLIGENCE & STATISTICS. Statistics of Madhya Bharat, 1951-52. Gwalior,1952. 119 p. 269.592 M26S
Includes agricultural statistics.

27524 MALTA. CENTRAL OFF. OF STATISTICS. Statistical abstract of the Maltese Islands, year 1951. Valletta,1952. 126 p. 256.02 M293
Includes agriculture.

27525 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. The story of Manitoba's agriculture; seventy years of progress recorded statistically. Winnipeg,Leech,1952. 32 p. 253.2 Ag82S

27526 NEBRASKA. DEPT. OF AGRICULTURE AND INSPECTION. Nebraska agricultural statistics; annual report 1950. Lincoln,1952. 88 p. 2 N274
U. S. Bur. of Agricultural Economics, cooperating.

27527 NEW YORK (STATE) CROP REPORTING SERV. List of current crop, livestock, poultry, dairy, price, and related reports. Albany,1952. 3 p. 241 N483

27528 NORWAY. STATISTISK SENTRALBYRA. Jordbruksstatistikk 1951, (landbruksareal og husdyrhold M. V.). Superficies agricoles et élevage du bétail. Récoltes etc., année 1951. Oslo,1952. 78 p. 257.2 St2La
English summary.

27529 PENNSYLVANIA. DEPT. OF AGRICULTURE. Pennsylvania crop and livestock report 1951. Pa. Dept. Agr. B. 644,35 p. Sept./Oct.1952. 2 P38B
Statistics.

27530 PITTMAN, D. D. Keeping posted with crop reports. Agr. Situation 36(11):5-6. Nov.1952. 1 Ec7Ag

27531 PORTUGAL. INSTITUTO NACIONAL DE ESTATÍSTICA. Anuário estatístico, annuaire statistique, 1951. Lisboa,1952. 414 p. 264 F49A
Includes agricultural statistics.

27532 SCHILLER, O. Zahlenbild der sowjetischen landwirtschaft. Osteuropa 2:442-446. Dec.1952. 110 Os7

27533 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Statistisches jahrbuch der Schweiz, 60th, 1951. Bern,1952. 615 p. 262 St2S
Includes agricultural statistics.

27534 THRAN, P. Beurteilung der landwirtschaftlichen produktion mit hilfe der wetter-ertragsrechnung. Deut. Wetterdienst in der US-Zone. Ber. 32:97-98. 1952. 345 G313

27535 THRAN, P. Entgegnungen zur kritik an der wetter-ertragsrechnung von Prof. Brouwer und Prof. Baumann. Deut. Wetterdienst in der US-Zone. Ber. 32: 103-106. 1952. 345 G313

27536 THRAN, P. Kurze erklärung der wetterertragsrechnung. Deut. Wetterdienst in der US-Zone. Ber. 32:99-101. 1952. 345 G313

27537 U. S. BUR. OF AGRICULTURAL ECONOMICS. Acreage, yield, and production of principal crops, by States, with comparisons; 1952 annual summary. Washington,1952. 96 p. 1.9 St2C6

27538 U. S. BUR. OF AGRICULTURAL ECONOMICS. Crops and markets, volume 29. Washington,1952. 128 p. 1 Ag84Wcm

27539 U. S. BUR. OF THE CENSUS. Statistical abstract of the United States, 1952, seventy-third edition Washington,1952. 1081 p. 157.9 St2
Includes agricultural statistics.

27540 VARONA, J. El huerto familiar. Ceres [Valladolid] 17(196):24-25. Oct.1,1952. 15 C33
Statistics of production in Spain.

27541 WASHINGTON. DEPT. OF AGRICULTURE. Annual crop report 1951. Olympia,1952. 12 p. 2 W27Ac
U. S. Bur. of Agricultural Economics, cooperating.

27542 WESTERN AUSTRALIA. STATISTICIAN. Pocket year book of Western Australia (thirty-fourth issue) 1952. Perth,1952. 216 p. 271.7 R26P
Includes agricultural statistics.

27543 ZETTERBERG, O. Crops during the year 1952. (In Swedish.) Lantmannen 37:5-8. Jan.3,1953. 11 L234

BEVERAGES AND CONDIMENTS

27544 ABRAMOV, D. I. Modern methods in processing wine products for Kagor. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):49-50. July 1952. 95.8 V77

27545 ANTONIDADES, P. Situation viticole en 1952. Off. Internatl. du Vin. B. 25(261):4-5. Nov.1952. 390.8 B87
Cyprus.

27546 ARAGUAYA. Consumption of coffee is declining in the greatest coffee State. (In Portuguese.) Soc. Rur. Bras. Rev. 32(381):102-103. Oct.1952. 9.2 B733

27547 AUDIBERT. Après la journée d'Avignon. Viticult. Nouvelle 5(55):2-3. Nov.1952. 390.8 V832
Problems of wine from hybrid grapes.

27548 BARKER, B. T. P., NICHOLAS, D. J. D., and PLANT, W. Studies on cider sickness. II-III. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:164-187. 1952. 84 B77
II, The effects of heat treatment of ciders on the incidence of sickness, by B. T. P. Barker; III, The effects of tree injection with molybdenum on the composition of apple juice and its susceptibility to cider sickness, by B. T. P. Barker, D. J. D. Nicholas, and W. Plant.

27549 BECKER, W. Produktionskosten und weinpreise als faktoren der wirtschaftlichkeit des weinbaues. Deut. Weinbau 7:621-622. (Concl.) Nov.20,1952. 390.8 W432
Germany.

27550 BEECH, F. W., BURROUGHS, L. F., and CODNER, R. C. The use of selected yeasts in cider-making. Progress report. I. Bristol. U. Agr. & Hort. Res. Sta Annu. Rpt. 1951:149-159. Ref. 1952. 84 B77

27551 BENESCH. Landwirt, sichere dir qualitätsmost. Bauer 5(36):13-14. Oct.18,1952. 19 B32

27552 BENVEGNIN, L., and MICHOD, J. Doses d'acide sulfureux à ajouter à un vin pour porter sa teneur en SO_2 libre à une valeur donnée. Landwirt. Jahrb. der Schweiz 66:1107-1112. 1952. 17 L23

27553 BERGERET, G. Composición de vinagres de consumo en el Uruguay. I-II. Uruguay. Min. de Ganad. y Agr. B. Inform. 438:13; 439:11-12. Oct.23-30,1952. 9.9 G15B

27554 BERIDZE, G. I. Champagne wines of Georgia. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):19-23. May 1952. 95.8 V77
Manufacture.

27555 BERIDZE, G. I. Naturally sweet Gruziyan wines. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:197-206. Ref. 1951. 95.9 Ak1
Russian summary.

27556 BERIDZE, G. I. New method for utilizing pressed must. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):11-14. July 1952. 95.8 V77

27557 BLANCKENBURG, P. VON. Entwicklungstendenzen im französischen weinbau. Agrarwirtschaft 1: 308-312. Nov.1952. 281.8 Ag826

27558 BREWING INDUSTRY RESEARCH FOUNDATION. Sixth progress report. Inst. Brewing. J. (n.s.)49: 405-406. Nov./Dec.1952. 390.9 In7

27559 BRUNNER, H. Unterhalts- und desinfektionsfragen. Schweiz. Z. f. Obst- u. Weinbau 61:519-521. Dec.13,1952. 80 Sch9

27560 BUNKER, H. J. Microbiological problems of brewing. Research [London] 6:2-7. Jan.1953. 472 R31

27561 BURROUGHS, L. F. The control of fermentation in cider. I. The influence of nitrogen and accessory growth factors on the stability of centrifuged ciders. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:138-148. 1952. 84 B77

27562 CAPT, E. L'emploi des échangeurs d'ions pour le traitement des vins piqués. Landwirt. Jahrb. der Schweiz 66:1113-1127. 1952. 17 L23

27563 CECCARELLI, G. New and old surprises in wine statistics. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:408-411. Oct.1952. 16 C72

27564 CHEREVAN', V. I. Investigation of fruit wine microflora as a factor in improving their quality. (In Russian.) Umanskiĭ Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:98-103. 1951. 106 Um1

27565 CIUSA, W., and NEBBIA, G. Technical and economic prospects for glutamic acid production. (In Italian.) Chimica (n.s.)7:331-335. Ref. Sept.1952. 385 C445

27566 COMPTON, B. A practical program for tea. Coffee & Tea Indus. 75(12):63. Dec.1952. 389.8 Sp4

27567 CONNERY, F. E., and WRIGHT, R. G. The chemistry of hops in brewing. Wallerstein Lab. Commun. 15:325-333. Ref. Dec.1952. 390.9 W15

27568 COOK, C. W. Coffee trends in the U.S. Coffee & Tea Indus. 75(12):21,45-46. Dec.1952. 389.8 Sp4

27569 CRIBARI, T. S. Dessert wine prospects for 1953. Wines & Vines 34:9. Jan.1953. 95.8 C122

27570 CRUESS, W. V. A few reminiscences. Wines & Vines 33(12):17-18. Dec.1952. 95.8 C122
California wine history.

27571 DALMASSO, G. Situation de la viticulture. Off. Internatl. du Vin. B. 25(262):7-13. Dec.1952. 390.8 B87
Italy.

27572 DMITRASHKO, P. I. Increasing the stability of alcohol from yeasts. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):13-14. May 1952. 95.8 V77

27573 DMITRICHEV, I. N. Mechanizing mixing to strengthen must from pulp. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):46. Aug.1952. 95.8 V77

27574 DRONOV, A. E. Novorossisk wine plant of the "Abrau-Diurso" kombinat. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):57-58. June 1952. 95.8 V77
Costs and returns.

27575 DUQUENOIS, P. Les écorces de cannelle dans nos Territoires d'Outre-Mer. Etudes d'Outre Mer 35: 307-312. Ref. Sept.1952. 286.8 M35
The industry.

27576 DVORNIK, R. Can molds and yeast give rise to bacteria? Wines & Vines 34:19-20. Jan.1953. 95.8 C122

27577 DYMCHISHIN, D. A. Dilution of cognac spirits before analysis. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):24-26. May 1952. 95.8 V77

27578 EGOROV, A. A. Important wine manufacture of 1951 season. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):10-13. May 1952. 95.8 V77

27579 ETIENNE, A. D., and BEYER, G. F. Determination of alcohol in wines and liqueurs. Soap, Perfumery & Cosmetics 25:1284-1286. Dec.1952. 307.8 So13

27580 FEDERATION OF MALAYA. DEPT. OF AGRICULTURE. Fermentation and drying of cacao beans. Fed. Malaya Dept. Agr. Agr. L. 30,6 p. Mar.1952. 22.5 F31A

27581 FESSLER, J. H. Recent developments regarding metals in wine. Wines & Vines 33(12):15-16. Dec. 1952. 95.8 C122

27582 FINCKE, H. Zur geschichte der sogenannten rohkakao-nachfermentierung. Zucker- u. Süsswaren-Wirt. 5:851-854. Nov.5,1952. 286.86 Z8

27583 FLACCOMIO, E. The apparatus of the bill on wine origin and source labeling. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(103):6-7. Dec.10,1952. 281.8 Ag3

27584 FROLOV-BAGREEV, A. M. Forms of carbon dioxide in champagne. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):20-21. June 1952. 95.8 V77

27585 GABEL, W. Zur bleichung von kakao. Zucker- u. Süsswaren-Wirt. 5:872. Nov.5,1952. 286.86 Z8

27586 GALLAY, R., BENVEGNIN, L., and CAPT, E. L'effet des levures sélectionnées sur les caractères du vin. Landwirt. Jahrb. der Schweiz 66:1095-1105. 1952. 17 L23

27587 GERASIMOV, M. A. Influence of products of reciprocal action of amino acids and sugar on the flavor of wine. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7): 9-11. July 1952. 95.8 V77

27588 GIASHVILI, D. S. Micro-regionalizing of the Gurdzhaani region from the viewpoint of wine manufacture. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:281-306. Ref. 1951. 95.9 Ak1
Russian summary.

27589 GOGOBERIDZE, R. G. Error in air analysis by the sedimentation method. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):17-18. May 1952. 95.8 V77
Reference made to wine.

27590 GONZALEZ DIZ, R. La vinicultura española en peligro. Semana Vitivinícola 7(329):17. (Cont.) Oct.18,1952. 95.8 Se5

27591 GOUVERNEUR, F. L'alcoolisme, péril national. Fiches Rur. 85:9-16. Nov.1952. 281.8 F44
Includes the place of alcohol from agricultural products in the national economy of France.

27592 GREECE. GENIKE DIEUTHYNSIS GEŌRGIAS. Ē oinampelos pai ta problēmata tīs [Report on Greece's vine problems], by C. Kominis, G. Geōrgakopoulos, T. Skalaios and S. Koyniakis. Athens,1952. 86 p. 95.3 G81
English summary.

27593 GRIAZNOV, V. P. Diffusion method for fermenting wine materials. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):14-17. May 1952. 95.8 V77

27594 GVELESIANI, K. I. Conducting the wine-making season on a high technical level. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):8-12. June 1952. 95.8 V77

27595 GVELESIANI, K. I. Improving the technique of important wine manufacture. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):8-10. May 1952. 95.8 V77

27596 HALL, N. A., KRUPSKI, E., and FISCHER, L. Methanol in Washington wines. Amer. J. Pharm. 124: 343-350. Ref. Oct.1952. 396.8 Am3

27597 HROMATKA, O. Die submerse essiggärung. Branntweinwirtschaft 74:406-408,413-415. Nov.25,1952. 390.8 B7322

27598 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian tea statistics, 49th, 1948 & 1949. Delhi,1952. 44 p. 68.19 In22

27599 INSTITUTE OF BREWING. The Brewing Industry Research Foundation. Cambridge,1952. 34 p. 390.9 N95

27600 JAULMES, P. Analyse des vins. Ed. 2, rev. Montpellier,Poulain,1951. 574 p. 390.1 J32

27601 JOSLYN, M. A., LUKTON, A., and CANE, A. The removal of excess copper and iron from wine. Food Technol. 7:20-29. Ref. Jan.1953. 389.8 F7398

27602 KATAR'IAN, T. G. On road of reconstruction: results of work of Vsesoiuznyi Nauchno-Issledovatel'skii Institut Vinodeliia i Vinogradarstva "Magarach" in 1951. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):50-54. Aug. 1952. 95.8 V77

27603 KHARITONOV, A. F. Making adequate preparations for the wine-producing season. (In Russian.) Vinodel. i Vinograd. SSSR 12(6):1-4. June 1952. 95.8 V77

27604 KLENK. Neuzeitliche kellerwirtschaft unter besonderer berücksichtigung des tankgärverfahrens. Deut. Weinbau 7:599-600. (Concl.) Nov.5,1952. 390.8 W432

27605 KNAPP, A. Die bestimmung der mineral-bestandteile (asche) und deren alkalität in schokolade und kakaoprodukten. Zucker- und Süsswaren-Wirt. 5:829-832. Oct.20,1952. 286.86 Z8

27606 KNORR, F. Bierstabilität und schaumhaltigkeit. Brauwelt 45:1081-1085. Nov.6,1952. 390.8 B732

27607 KOCH, J. Obst- und beerenweine richtig behandeln und abfüllen! Hess. Obstbau 7:25-26. Feb. 1952. 80 G1932

27608 KOCH, J. Über die häusliche herstellung von apfelwein. Pflanze u. Gart. 2(10):26-27. Oct.1952. 80 P48

27609 KOGAN, I. IA. Overhead cableway for transportation of [wine] barrels. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):48-49. May 1952. 95.8 V77

27610 KOROTKEVICH, A. V., and TIURIN, S. T. How to decrease loss of wine during preservation. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):52-53. June 1952. 95.8 V77

27611 KOVAL', I. G., and PAZYREV, P. IA. Loss of carbonic acid during filtration and bottling of champagne in bulk. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):27-29. July 1952. 95.8 V77

27612 KRETZDORN, H. Kellermassnahmen nach der vergärung der obstmoste. Bad. Landwirt. Wchnbl. 119:809. Nov.15,1952. 18 B142

27613 KRICHMAR, M. S. Use of Zhukov's automatic machine for wine bottling. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):47-48. June 1952. 95.8 V77

27614 KRIEBER, F. Bäuerliche obstbrennerei. Bauer 5(43):12-13. Dec.6,1952. 19 B32
Austria.

27615 KRISHNAMURTHY, K., VENKITASUBRAMANIAM, T. A., and GIRI, K. V. Circular paper chromatographic analysis of the amino acids of tea and coffee infusions. Cur. Sci. 21:133. May 1952. 475 Sci23

27616 KUJAWSKI, J. S. The Army takes to tea. Coffee & Tea Indus. 75(12):65,72,81. Dec.1952. 389.8 Sp4

27617 KUTSCHERA, K. L. Aus der arbeit der presse- und informationsabteilung des Deutschen Brauerbundes. Brauwelt 50:1227-1228. Dec.11,1952. 390.8 B732

27618 LADEIRA, J. S. In defense of coffee production. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(5):40-43. May 1952. 9.2 M663

27619 LASHKHI, A. D. Role of tannic acid in cognac manufacture. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:225-238. Ref. 1951. 95.9 Ak1
Russian summary.

27620 LEIGHTON, J. The amazing cocoa bean story. Confectionery Prod. 18:846-847. Nov.1952. 389.8 C762
The industry.

27621 LEMOIGNE. Conclusions présentées par la commission spéciale sur l'emploi du ferrocyanure de potassium en oenologie. Acad. d'Agr. de France. Compt. Rend. 39:592-593. Oct.22/29,1952. 14 P215Bc

27622 LIAMIN, A. I. Continuous production method in primary wine manufacture. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):45-47. May 1952. 95.8 V77

27623 LUCHINI, R. New process for "continuous wine-making" tried in General Alvear (Mendoza) by Victor Cremashi. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:223-239. July/Sept.1952. 26 Ag82
English summary.

27624 MALTABAR, V. M. Influence of chemical composition of wine materials upon quality of cognac spirits. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6): 22-26. June 1952. 95.8 V77
Musts.

27625 MARCUS, I. H. Getting the public into the act. Wines & Vines 34:11-12. Jan.1953. 95.8 C122
Promoting wine.

27626 MARESCALCHI, C. Cooperative propaganda in favor of wine; educate consumer taste. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(105):14-15. Dec. 16,1952. 281.8 Ag3

27627 MARESCALCHI, A. Italian wine manufacturing technique is continually progressing. (In Italian.) Agricoltura 1(10):27-32. Oct.1952. 16 Ag8226

27628 MARESCALCHI, C. Supervision of origin and source labeling of wines. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(101):1-2. Dec.4,1952. 281.8 Ag3

27629 MARTAKOV, A. A. Ways of increasing the output of must and of wine. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):23-25. July 1952. 95.8 V77

27630 MARTEAU, G. Étude d'égrappoirs. Prog. Agr. et Vitic. 138:260-263. (Concl.) Nov.2/9,1952. 14 P94

27631 MATHIAS, P. Agriculture and the brewing and distilling industries in the eighteenth century. Econ. Hist. Rev. (ser.2)5:249-257. 1952. 277.8 Ec7

27632 MENSIO, C. Clouding of wines produced by iron and copper. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:400-402. Oct.1952. 16 C72

27633 MERZHANIAN, A. A., and KOZENKO, E. M. Absorption of carbon dioxide by yeast dregs of wine. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):20-23. Aug. 1952. 95.8 V77
Champagne manufacture.

27634 MERZHANIAN, A. A. Computation of basic mixtures in manufacture of berry fruit wines. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):49-52. June 1952. 95.8 V77

27635 MESTRES, A. Cómo reducir las temperaturas altas de fermentación. Balearic Isl. Diputación Prov. B. de Agr. 96:7. Sept.1952. 15 B19
Wine.

27636 MICHEL, F. Le ferrocyanure de potassium et l'élimination du fer en oenologie. Acad. d'Agr. de France. Compt. Rend. 39:575-579. Oct.8/15,1952. 14 P215Bc

27637 MOISEENKO, L. F. Selection of yeast varieties for fermentation. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):25-26. July 1952. 95.8 V77
In wine manufacture.

27638 MONTREUIL, J., and SCRIBAN, R. Les glucides de l'orge, du moût et de la bière. Soc. de Chim. Biol. B. 34:674-690. Ref. 1952. 383 So1

27639 MORALES FLORES, A. La importancia económica del café en la América Latina. San Salvador, Federación Cafetalera Centro América,México y El Caribe,1952. 23 p. Ref. 281.368 M79

27640 MOSIASHVILI, G. I. R and S forms of yeast and their use in wine manufacture. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7: 239-255. Ref. 1951. 95.9 Ak1
Russian summary.

27641 MÜLLER, O. Vortragstag über den säureabbau in weinen. Schweiz. Z. f. Obst- u. Weinbau 61:523-526. Dec.13,1952. 80 Sch9

27642 NARZISS, L. Beitrag zur bierklärung mittels zentrifuge und kieselgurfilter. Brauwelt 46:1107-1110. Nov.13,1952. 390.8 B732

27643 NÈGRE, E. Au sujet du récent relèvement du degré alcoolique des vins de pays. Prog. Agr. et Vitic. 138:263-265. Nov.2/9,1952. 14 P94
France.

27644 NÈGRE, E. Le levurage dans la pratique vinicole. Prog. Agr. et Vitic. 138:276-281. Nov.16/23, 1952. 14 P94

27645 NÈGRE, E. Le vinificateur, esclave de la machine? Prog. Agr. et Vitic. 138:256-260. (Concl.) Ref. Nov.2/9,1952. 14 P94

27646 NEW YORK COFFEE AND SUGAR EXCHANGE. Seventy years of service, 1882-1952; the story of the New York Coffee and Sugar Exchange. New York,1952. 36 p. 287 N4892S

27647 NIKETIĆ, G. Cleanliness of containers—an important factor in production of good wine. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):16-17. Sept.1952. 21.5 V87

27648 NIKETIĆ, G. Filling up of wine casks. (In Serbo Croatian.) Vojvodanski Poljoprivrednik 8(13): 15-16. Sept.1952. 21.5 V87

27649 OFF. INTERNATIONAL DU VIN. XXXIIe session officielle plénière du Comité de l'O.I.V. (Fribourg, 19-23 août 1952) [rapports et exposés]. Cff. Internatl. du Vin. B. 25(261):7-48; (262):7-49. (Cont.) Nov.-Dec.1952. 390.8 B87
Includes wine statistics for various countries.

27650 OLIVA, A. La producción vitivinícola y las actividades agrícolas. Vinos, Viñas y Frutas 48:143. Sept.1952. 9 Ag89
Argentina.

27651 ORESHKIN, N. V. Further improvement in quality of champagne. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):5-7. June 1952. 95.8 V77

27652 PALENGAT, D. R. Bordeaux wines. Food & Cookery Rev. 20(17):15-16,18. Nov.1952. 389.8 F7328

27653 PARFENT'EVA, T. L. Determination of wine freezing temperature by the computation method. (In Russian.) Vinodel. i Vinograd. SSSR. 12(6):13-19. June 1952. 95.8 V77

27654 PAVLONSKII, A. M. Tin plates for sealing [wine] crates. (In Russian.) Vinodel. i Vinograd. SSSR. 12(5):50-51. May 1952. 95.8 V77

27655 PEPPER. Foreign Agr. 16:230-231. Dec. 1952. 1.9 Ec7For
Mainly on the industry.

27656 PERELLI-MINETTI, F. The disintegrator in the winery. Wines & Vines 34:21-22. Jan.1953. 95.8 C122
Grape processing.

27657 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Las prensas horizontales. Semana Vitivinicola 7(329): 7. Oct.18,1952. 95.8 Se5
For wine manufacture.

27658 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Los rellenos de los vinos. Vinos, Viñas y Frutas 48: 149-150. Sept.1952. 9 Ag89

27659 PEYER, E. Tessiner weine machen propaganda in Zürich weinschutzmarken. Schweiz. Z. f. Obst- u. Weinbau 61:537-539. Dec.27,1952. 80 Sch9

27660 POLITOVA-SOVZENKO, T. K. Method of determination of OV-(toxic agent) potential in wine. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):21-22. July 1952. 95.8 V77

27661 POPOV, M. P. Feasibility of regulating wine acidity. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):15-16. Aug.1952. 95.8 V77

27662 RENTSCHLER, H., and TANNER, H. Über die krankheit des bitterwerdens der rotweine. Schweiz. Z. f. Obst- u. Weinbau 61:539-541. Dec.27,1952. 80 Sch9

27663 RENTSCHLER, H., and TANNER, H. Über die redox-potentiale von getränken. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:294-303. 1952. 389.9 Sw6
Includes wine and beer.

27664 RENTSCHLER, H. Was ist "liebfrauenmilch," was eine "spätlese?" Schweiz. Z. f. Obst- u. Weinbau 61:498-499. Nov.29,1952. 80 Sch9

27665 RIVOIRE, R. Quelques commentaires sur la dégustation du 13 décembre et sur l'analyse du 27-12-1951 au laboratoire de Mâcon. Viticult. Nouvelle 5(55): 23-25. Nov.1952. 390.8 V832

27666 RODOPULO, A. K. Paper chromatography of di- and tricarboxylic acids of must and wine. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):8-11. Aug.1952. 95.8 V77

27667 ROVIROSA, J. Los ramos del vino y del azúcar no tienen por qué interferirse. Semana Vitivinícola 7(332):3,6-7. Nov.8,1952. 95.8 Se5
Spain.

27668 SAENKO, N. F. Use of pure yeast cultures in the manufacture of wine. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):50-53. July 1952. 95.8 V77

27669 SALA ROCA, E. La economía vitivinícola. Inst. Agr. Catalán de San Isidro. Rev. 101:189-191. Aug. 1952. 15 Sa5
Spain.

27670 SCHMID, A. Kellerreinigung. Schweiz. Z. f. Obst- u. Weinbau 61:517-519. Dec.13,1952. 80 Sch9

27671 SCHUMANN, R. L. Store grinding of coffee. Coffee & Tea Indus. 75(12):15,49. Dec.1952. 389.8 Sp4

27672 SERPER, A. M. Method for recording losses in wine products while in storage. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):47-48. July 1952. 95.8 V77

27673 SHPRITSMAN, E. M. Loss of wine during preservation and seasoning in an oak container. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):12-15. Aug.1952. 95.8 V77

27674 SMILEY, N. B. The research scheme of the Institute of Brewing: the Research Board and the Brewing Industry Research Foundation. Inst. Brewing. J. (n.s.) 49:401-404. Nov./Dec.1952. 390.9 In7

27675 STEINBERG, B. Justification de l'emploi d'un milieu synthétique pour la multiplication des levures destinées à la vinification. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:219-235. Ref. 1952. 389.9 Sw6

27676 STOLL, K. Die reinigung und desinfektion der keller, obstlagerräume und harasse. Schweiz. Z. f. Obst- u. Weinbau 61:511-514. Dec.13,1952. 80 Sch9

27677 TERRIER, J. De la nature du sucre contenu dans le café vert et de son dosage. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:307-314. Ref. 1952. 389.9 Sw6

27678 TERRIER, J. Le dosage des hydrates de carbone additionnés aux extraits de café en poudre. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43: 323-334. 1952. 389.9 Sw6

27679 TESTA, J. Will statistical balance continue? Coffee & Tea Indus. 75(12):8,49. Dec.1952. 389.8 Sp4
Coffee.

27680 TYLER, C. A. Better artificial vanilla flavor. Food Engin. 25:62-63,190,192. Jan.1953. 389.8 F737

27681 UNCHIEV, N. D. Question of using bitter seeds of stone fruit species of Dagestan. (In Russian.) Vsesoiuzn. Soveshchanie Bot i Selekerov. Mater. 1:140-158. Ref. 1950,pub.1951. 451 V963
For condiments.

27682 UNION PROFESSIONNELLE DES PLANTEURS DE CACAO DU CONGO. La qualité du cacao congo. Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4):I-IV. Dec.1952. 24 K83

27683 UNION SYNDICALE DES VIGNERONS DU MAROC. CONSEIL D'ADMIN. Rapport, exercice 1951. Chambre d'Agr. de Casablanca. B. 23(259):25-27, 31,33. Nov.1952. 24 C26

27684 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Fact sheet on coffee; production and consumption. Washington?1952. 8 p. 1.943 F1184

27685 VOGEL, E. H. Effect of ultrasonic vibrations on the nitrogenous constituents of wort. Wallerstein Lab. Commun. 15:313-323. Dec.1952. 390.9 W15

27686 WEARNE, W. R. How the public can be made more wine conscious. Wynboer 21(253):23. Oct.1952. 390.8 W724

27687 YAMAJI, M. Tea industry in Japan. Tea Trade & Indus. 1:355-359,415-419. July-Aug.1952. 68.18 T225

27688 ZARUBIN, V. A. Compilation of conclusive reports on principal wine enterprises. (In Russian.) Vinodel. i Vinograd. SSSR 12(8):47-49. Aug.1952. 95.8 V77
Statistics.

27689 ZEEHUISEN, J. J. New ideas on tea manufacture. (In Dutch.) Bergcultures 21:383-385,387,389,391, 393,395. Oct.1,1952. 22.5 B45
English summary.
Equipment.

27690 ZHELTKEVICH, G. G. Technological balance of the initial wine manufacture. (In Russian.) Vinodel. i Vinograd. SSSR. 12(7):16-21. July 1952. 95.8 V77

27691 ZNAMENSKII, N. N. Improving the quality of wine from the hybrids—Priamye proizvoditeli. (In Russian.) Vinodel. i Vinograd. USSR. 12(7):14-15. July 1952. 95.8 V77

DAIRY PRODUCTS

27692 ALBERTARIO, P. General report to the Lodi National Congress on the dairy products industry. (In Italian.) Latte 26:471-476,479. Oct.1952. 44.8 L35

27693 ALBERTARIO, P. We have overcome the dairy crisis. (In Italian.) Agricoltura 1(10):10-16. Oct.1952. 16 Ag8226
Italy.

27694 ALBRECHT, R. Southern Illinois is an ideal location for dairy production. Prairie Farmer, Gen. Ed. 124(21):19,53. Nov.1,1952. 6 P883

27695 AMERICAN DAIRY SCIENCE ASSOCIATION. WESTERN DIV. Proceedings thirty-third annual meeting, University of California, Davis, California, June 23, 1952. Davis,1952. 40,9 p. 44.9 Am342

27696 ANDREWS, H. L., and ANDREWS, H. C. A second look at this dairy business. Hoard's Dairyman 98:9,32. Jan.10,1953. 44.8 H65

27697 BARNUM, H. J. A quality milk program needs industry participation. Milk Dealer 42(3):47,82-86. Dec. 1952. 44.8 M595

27698 BARTLETT, R. W. Dairying will grow in spite of substitutes; demand for milk and cream will rise 20 percent by 1960 over 1950. Prairie Farmer, Gen. Ed. 124(24):5. (Cont.) Dec.20,1952. 6 P883

27699 BENEDICT, A. Aufbau des Milchwirtschaftlichen Landesverbandes Bayern vor dem abschluss. Deut. Molk.-Ztg. 73:1494-1495. Nov.21,1952. 44.8 Su2

27700 BERGIN, R. Milk production and utilisation in Great Britain. Irish Agr. & Creamery Rev. (n.s.)18 (228):6-9. Dec.1952. 44.8 C866

27701 BIONDI, L. The milk and dairy products industry and prospects of livestock production. (In Italian.) Terra e Sole 123:361-362. Nov.1952. 16 T273
Italy.

27702 BOIVIN, T. E. Tendances de l'industrie laitière chez nos voisins. Terre de Chez Nous 24(40): 6. Nov.26,1952. 7 T27
In the United States.

27703 BRAIDOT, S. Milk and dairy products in Friuli and their destination in 1951 with reference to national production and production in the Venetia. (In Italian.) Latte 26:541-542. Nov.1952. 44.8 L35

27704 BREED, R. S. Cincuenta años de progreso en la industria lechera. Indus. Lech. 34:455-456,458-460, 462-464,466,468,486-490. Sept.1952. 44.8 In26

27705 BREUER, R. Butterbilanz 1952 im gebiet Nordrhein. Milch-Fettwaren-Eierhandel 4:537. Nov.1, 1952. 286.85 M59

27706 BRÜGGEMANN, H. Wissenswertes über die milch. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 2091. Dec.20,1952. 18 L2346

27707 BRUNNFALT, G. Mjölkproduktionens säsongvariation med säskild hänsyn till dess inverkan på foderkostnaderna vid produktionen [The seasonal fluctuations in milk production with special reference to its effect on feeding costs in milk production]. Uppsala,Almqvist & Wiksell,1952. 206 p. Ref. 281.344 B83
Akademisk Avhandling - Landbrukshögskolan, Uppsala.
English summary.

27708 BRYANT, C. B. A. Qualities in a fieldman. Amer. Milk Rev. 14(12):22. Dec.1952. 44.8 Am38

27709 BUGBEE, E. A. Milk plant product accounting. Wash. State Col. Inst. Dairying. Proc. 21:45-70. 1952. 44.9 W27

27710 COLLISSON, C. F. Minnesota milked the bossy to tune of whopping $357 million in '51. Com. West 105:11. Jan.3,1953. 286.8 C733
Dairy production and income.

27711 CONFEDERATION NATIONALE LAITIÈRE. Rapports des commissions du Congrès National du Lait de la C.N.L., Aix les-Bains—10-11-12 octobre 1952. Action Lait. (ser.6)8(19,sup.),95 p. Oct.15,1952. 44.8 Ac8

27712 COULTER, G. T. Dairying on Del-Mar-Va. Sealtest Dairyman 6(4):10-11. Winter 1952. 44.8 Se1

27713 CREA, V. Recent trends in the dairy world following increase in margarine production. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(100):1-3. Nov. 29,1952. 281.8 Ag3

27714 CROWE, L. K. Industry relations with producers, consumers and labor. Wash. State Col. Inst. Dairying. Proc. 21:11-19. 1952. 44.9 W27

27715 DAIRY INDUSTRIES SOCIETY, INTERNATIONAL. A glance at the dairy industry in the Netherlands. Washington,1952. 6 p. (Its Special Report) 44 D145G

27716 DUBÉ, L. O. L'industrie laitière gravement menacée. Québec Lait. 11(10):11. Oct.1952. 44.8 Q3

27717 DUPLAN, J. H. Dairymen face a real crisis. Farmer's Advocate & Canad. Countryman 88(3438):5,33. Jan.10,1953. 7 F22

27718 DURAND, L. The migration of cheese manufacture in the United States. Assoc. Amer. Geog. Ann. 42:263-282. Dec.1952. 500 As73

27719 FONSECA, W. Lactose. (In Portuguese.) B. do Leite (ser.4)6(64):13-14. Oct.1952. 44.8 B633

27720 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Journées scientifiques fromagères de Poligny. Indus. Lait. (n.s.)73:209-233. Oct.1952. 44.8 In2
International Dairy Federation, cooperating.

27721 FORG, F. Testing of reductase through resazurin. (In Italian.) Latte 26:531-532. Nov.1952. 44.8 L35

27722 FRANDSEN, J. H. Predicting the future of soft products. Ice Cream Rev. 36(5):54,89-90,92. Dec. 1952. 389.8 Ic22
Frozen desserts.

27723 FRENSEL, O. Third dairy week. (In Portuguese.) B. do Leite (ser.4)6(64):3,5,7-8. Oct.1952. 44.8 B633
Brazil.

27724 GAUMNITZ, E. W. The threat of substitutes. Inter-State Milk Prod. Rev. 33(8):18-20. Dec.1952. 280.28 In83

27725 GENNARO, E. L. A year of opportunity. Milk Dealer 42(4):48,89. Jan.1953. 44.8 M595

27726 GENUNG, A. B. Handwriting on the wall? Metrop. Milk Prod. News 12(10):22. Oct.1952. 280.28 M56
Butter and margarine competition.

27727 GHORMLEY, A. M. Changes and trends in the dairy industry. Calif. Dairyman 32(23):26-27,35. Dec.13,1952. 44.8 C12

27728 GORDON, G. E., and PELLISSIER, C. L. California average production leads all dairy states. Calif. Dairyman 32(23):11,56. Dec.13,1952. 44.8 C12

27729 GRANATA, G. Educational trip into Germany of graduates of the Lodi Institute. (In Italian.) Latte 26: 528,542. Nov.1952. 44.8 L35
Dairy industry observations.

27730 GRASSI, P. Considerations on the production and preservation of milk. (In Italian.) Latte 26:525-527. Nov.1952. 44.8 L35
Italy.

27731 GRINDAKER, A. From the early years of the dairy industry. (In Norwegian.) Meieriposten 41:819-824,840-844,862-864,879-881. Nov.8-29,1952. 44.8 M47

27732 HALL, I. F. Future bright for dairying. Hoard's Dairyman 97:1011. Dec.25,1952. 44.8 H65

27733 HARTL, H. Die generalversammlung des Int. Milchwirtschaftsverbandes in Madrid 1952. Österr. Milchwirt. 7:305-307. Nov.7,1952. 44.8 Os72

27734 HEIDRICH, P. Einige beobachtungen über Amerikas milchwirtschaft. Österr. Milchwirt. 7:321-324. Nov.21,1952. 44.8 Os72

27735 HOBSON, A. Our United States—Wisconsin—America's dairyland. 47. Ariz. Cattlelog 8(3):32-35. Nov.1952. 43.8 Ar42

27736 HOLAND, T. With fellow workers in Denmark. II. (In Norwegian.) Meieriposten 41:832-834. Nov.15, 1952. 44.8 M47
The dairy industry in Denmark.

27737 HUPFAUER, W. Umgestaltung des molkereiwesens im milchwirtschaftsgebiet Allgäu. Deut. Molk.-Ztg. 73:1461-1462. Nov.14,1952. 44.8 Su2

27738 INTERNATIONAL DAIRY FEDERATION. Réunions à Madrid. Indus. Lait. (n.s.)74:238-256. Nov. 1952. 44.8 In2

27739 JENSEN, G. E. The dairy exhibition in Aarhus September 19. The butter exhibition. (In Danish.) Jydsk Landbr. 34:675-677. Oct.2,1952. 11 J99

27740 JEWELL, B. Four reasons for the turn to cow milking. Hoard's Dairyman 98:84. Jan.25,1953. 44.8 H65

27741 KELLER, P. Stimmen des nachwuchses zu grundsätzlichen fragen der berufsausbildung. I. Molk.- u. Käserei-Ztg. 3:1411-1412. Nov.6,1952. 44.8 M736
Germany.

27742 LEE, G. The squeeze is on! Peak production, hostile forces to lower dairymen's '53 income. Dairyman's League News 36(26):1-2,12. Dec.23,1952. 44.8 D1432

27743 LLOYD, W. H. Developing dairy leaders for tomorrow. Kraftsman, Prod. Ed. 10(4,i.e.5):8-10. Winter 1952. 44.8 K85

27744 MCWILLIAMS, A. L. Changes and challenges in dairying. (Excerpts.) Pure Milk 26(11):4,14. Nov. 1952. 280.28 P97

27745 MITCHELL, C. L. Dairy reminiscences—Judge Shield's letter. Dairy Foods Rev. 57:34. Jan. 1953. 286.85 P11
On the California Creamery Operators' Association.

27746 MORRIS, A. J. Low fat frozen desserts. Wash. State Col. Inst. Dairying. Proc. 21:147-152. 1952. 44.9 W27

27747 NASH, D. W. Will self-help save dairying? Country Guide 72:7,62. Jan.1953. 7 G76
Canada's dairy industry.

27748 NERTINGER, J. Der kampf um die degressive abschreibung. Deut. Molk.-Ztg. 73:1521-1522. Nov.28, 1952. 44.8 Su2

27749 PATON, W. N. Intensity of dairy farming in counties in New Zealand. New Zeal. J. Agr. 85:288-289. Oct.15,1952. 23 N48J

27750 PEACOCK, T. Aspects of milk production and marketing. Dairy Indus. 17:1095-1097. Dec.1952. 44.8 D1427
Great Britain.

27751 RAINERI, C. After the milk crisis. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(107):6-7. Dec.27,1952. 281.8 Ag3

27752 RIBEIRO, J. A. The dairy industry in Rio Grande do Norte. (In Portuguese.) Gado Holandês 16(190): 27-28,35. Oct.1952. 43.8 G112

27753 RICE, E. B. Observations on dairying in Pakistan. Queensland Agr. J. 75:187-196. (Cont.) Oct. 1952. 23 Q33

27754 RICHARDS, P. The dairy situation in 1952. Wash. State Col. Inst. Dairying. Proc. 21:1-5. 1952. 44.9 W27

27755 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 73:1377-1378,1407-1408. (Cont.) Oct.24-31,1952. 44.8 Su2

27756 ROEDER, H. Der molkereifachmann der zukunft. Deut. Molk.-Ztg. 73:1460-1461. Nov.14,1952. 44.8 Su2

27757 ROUSSEAU, M. J. Attention à notre avenir laitier! Tech. Lait. 8(117):7-9. Nov.15,1952. 44.8 Of2
France.

27758 RUEHE, H. A. The year ahead. Milk Plant Mon. 42:28-31. Jan.1953. 44.8 C864

27759 ST. JOHN, W. K. Trends in the milk and competitive products industries. Food Canada 13:22-24, 26-27. Jan.1953. 389.8 F7323

27760 SARP, M. Reiseeindrücke aus Dänemark. Molk.-Ztg. 6:2162. (Cont.) Dec.4,1952. 44.8 M735

27761 SCHNEITER, F. Zur urgeschichte der milchwirtschaft. I. Österr. Milchwirt. 7:292-294. Oct. 21,1952. 44.8 Os72

27762 SCHOLZ, F. W. Gedanken über die notwendigkeit einer genauen techn. buchführung im molkereibetrieb. Molk.-Ztg. 6:2009-2010. (Cont.) Oct.23,1952. 44.8 M735

27763 SCHWEIZERISCHER käserei- und molkerei kalender, 57th, 1953. Bern,1952. 76 p. 44.8 Sch9

27764 SECONDI, P. Trade in dairy products. (In Italian.) Latte 26:523-524. Nov.1952. 44.8 L35
The industry in Italy.

27765 SMITH, Q. H. Portrait of the dairy industry. Hoard's Dairyman 98:68-69. Jan.25,1953. 44.8 H65
Exhibits.

27766 SNOW, B. V. Imitations! are growing into giant competitors for dairy products' markets. Dairymen's League News 37:1,3,5,14,16,18. Jan.6,1953. 44.8 D1432

27767 STAFFORD, J. G. W. Dairy education. Home Farmer 19(10):14-15. Oct.1952. 280.344 H75
Great Britain.

27768 SWEETING, B. "Dollars and sense"—keeping up with ice cream trends. Dairy Foods Rev. 56(12):22,40; 57(1):18,36-37. Dec.1952-Jan.1953. 286.85 P11

27769 TAGER, K. Halbzeit in der milchwirtschaft des jahres 1952. Molk.- u. Käserei-Ztg. 3:1313-1314. Oct.9,1952. 44.8 M736

27770 TOEVS, J. Current and potential dairy developments in the Columbia Basin. Wash. State Col. Inst. Dairying. Proc. 21:7-9. 1952. 44.9 W27

27771 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report the accounts of the Dairy Industry Control Board for the accounting year 1st October, 1948 to 30th September, 1949 and the balance sheet as at 30th September, 1949. Pretoria, 1951. 41 p. 286.3449 So8

27772 WASHINGTON. STATE COLLEGE. INSTITUTE OF AGRICULTURAL SCIENCES. Proceedings of the twenty-first annual State College of Washington Institute of Dairying, March 10-13, 1952. Pullman,1952. 152 p. 44.9 W27

27773 WEWERS, E. Betriebsverfassungsgesetz und molkereien. Molk.- u. Käserei-Ztg. 3:1387-1388. Oct. 30,1952. 44.8 M736
Germany.

27774 WHEELER, L. S. Costings and the milk industry. II. Milk Indus. 33(6):46-49. Dec.1952. 44.8 M593

27775 WICKTOR, C. E. Dairying in Los Angeles County—1952. Calif. Dairyman 32(24):6,10,16-17. Dec.27, 1952. 44.8 C12

27776 ZATTA, P. L. The "Asiago" type cheese should be improved and legally protected. (In Italian.) Sci. e Tec. Latt. Casearia 2(2/3):3-8. Mar./June 1952. 44.8 Sci2

Analysis and Composition

27777 ASLAND, O. J. On coagulation of cream in coffee. (In Norwegian.) Meieriposten 41:871-874. Nov. 29,1952. 44.8 M47

27778 BAER, H. Untersuchungen über die verwendbarkeit der bromthymolblau- und kongorot- nährböden-Merck zur colititerbestimmung in der milch. Giessen, 1951. 51 p. Ref. 448.2 B142
Inaug.- Diss. - Giessen.

27779 BAILLIE, A. J., and FREEMAN, G. G. The rate of growth of Salmonellas and other bacteria in some synthetic creams. J. Sci. Food & Agr. 3:616-622. Ref. Dec.1952. 382 So12

27780 BORGER, K. Zur reduktaseprobe. Molk.-Ztg. 6:2163-2164. Dec.4,1952. 44.8 M735
Milk.

27781 CHELQUIST, G. Butterfat testing. Dairymen's Price Rptr. 35:2-3. Jan.1953. 280.28 D14

27782 COSSETTE, M. Le lait devient merveilleux sous forme de yogurt. B. des Agr. 34(11):14,68-69. Nov.1952. 7 B872
Properties and manufacture.

27783 DAHL, A. A. A comparison of Barthel-Orla Jensen's and Skar's reductase tests. (In Norwegian.) Meieriposten 41:815-819. Nov.8,1952. 44.8 M47

27784 DAHL, A. A. Comparison of reductase tests (In Norwegian.) Meieriposten 41:834-835. Nov.15,1952. 44.8 M47

27785 DEMETER, K. J. Bakteriologische untersuchungsmethoden der milchwirtschaft. Gesamlit. der Milchwirt. 27,143 p. 1952. 44.9 B47

27786 DOETSCH, R. N., and SPECK, M. L. Elementary experiments in dairy bacteriology. Raleigh, N. C.,Tech. Press,1952. 80 p. Ref. 448.2 D673

27787 DOLEŽÁLEK, J. Possible formation of diacetyl in sour cream, butter and cheese. (In Czech.) Česposlov. Akad. Zeměděl. Sborn. 25:429-440. Nov. 1952. 19.5 C332C

27788 FARFALLETTI-CASALI, P. L., and CERUTTI, G. Influence of freezing on the stability of lecithin contained in milk. (In Italian.) Latte 26:534. Nov.1952. 44.8 L35

27789 FENGLER, E. Mikroskopische untersuchung der milch auf alkohol- und säurefeste bakterien nach vorbehandlung durch ein fett- und zellenlösendes mittel. Giessen,1951. 27 p. 448.2 F35
Inaug.-Diss. - Giessen.

27790 GRIMM, H. Die anlieferungskontrolle unter einschaltung der reduktaseprobe. Molk.- u. Käserei-Ztg. 3:1311-1312. Oct.9,1952. 44.8 M736
For milk.

27791 HANUSCH, J. Die bedeutung der katalaseprobe für die Emmentalerkäserei. Deut. Molk.-Ztg. 73: 1492-1494. Nov.21,1952. 44.8 Su2

27792 HEDRICK, T. I. Greater profits by more extensive use of the laboratory. Milk Plant Mon. 42:12-14,16-17. Jan.1953. 44.8 C864

27793 HEYNDRICKX, G. V., and VLEESCHAUWER, A. DE. Études electrophorétiques du lait. III. Recherches sur le lait de vaches à la fin de lactation. Soc. de Chim. Biol. B. 34:1016-1025. Ref. 1952. 383 So1

27794 HUMPHRISS, E. A device for measuring the vacuum in bottled sterilized milk. Dairy Indus. 17:1106. Dec.1952. 44.8 D1427

27795 JACQUET, J., and STEEG, L. Détermination et titrage des antibiotiques présents dans le lait et les produits laitiers. Acad. d'Agr. de France. Compt. Rend. 39:609-615. Oct.22/29,1952. 14 P215Bc

27796 KLETT, R. Vergleichende untersuchungen zur mikroskopischen feststellung von tuberkelbakterien in der milch nach fünf verschiedenen färbemethoden. Giessen,1951. 43 p. Ref. 448.2 K673
Inaug.-Diss. - Giessen.

27797 KORKMAN, N. The fat content of milk, price-fixing and milk-cattle breeding. (In Swedish.) Jordbrekon. Meddel. 14:449-452. Nov.1952. 257.3 J76
English summary, p. 434.

27798 LANGE, J. Zur frage der beurteilung von resazurin-reduktase-proben. Molk.-Ztg. 6:1111-1112, 2008. (Cont.) Oct.9,23,1952. 44.8 M735

27799 LAXMINARAYANA, H., and IYA, K. K. Tetrazolium bromide as a valuable tool in microbiological work. Cur. Sci. 21:124-125. May 1952. 475 Sci23
In dairy research.

27800 MCKENZIE, D. A. Observations on milk testing standards in Scotland. Dairy Indus. 17:1098-1100. Dec.1952. 44.8 D1427

27801 MAXCY, R. B. A suggested modified Babcock procedure for testing half-and-half. Milk Dealer 42(4): 42-43,52,54. Jan.1953. 44.8 M595

27802 MULVANY, J. L. Pruebas de calidad: presencia de leucocitos. Chacra 23(265):20-21. Dec.1952. 9 C34
Milk.

27803 NERI, A. Butter. (In Italian.) Latte 26:537-538. (Cont.) Nov.1952. 44.8 L35
Analysis.

27804 RABELER, O. Über praktische erfahrungen mit der reduktionsprobe. Molk.- u. Käserei-Ztg. 3: 1526. Dec.4,1952. 44.8 M736

27805 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 73:1467-1468. Nov.14,1952. 44.8 Su2
Tests.

27806 ROEDER, G. Vereinfachung der coli-bestimmung für den praktischen gebrauch. Molk.- u. Käserei-Ztg. 3:1496-1497. Nov.27,1952. 44.8 M736

27807 ROSELL, J. M., and SANTOS, L. DOS. Métodos analíticos de laboratorio lactológico y microbiologia de las industrias lácteas. Indus. Lech. 34:491. Sept.1952. 44.8 In26

27808 SCHULZ, M. E. Der eiweisstiter der milch. Molk.- u. Käserei-Ztg. 3:1412-1414. Nov.6,1952. 44.8 M736

27809 SCHÜTZ, A. Das wasserfreie nichtfett in sauerrahmbutter und süssrahmbutter. Deut. Molk.-Ztg. 73:1429-1430. Nov.7,1952. 44.8 Su2

27810 SCHWARZ, G., and LANGE, W. Über die einführung einer "internationalen phosphatase-einheit" zur quantitativen bestimmung des phosphatasegehaltes von milch. Molk.- u. Käserei-Ztg. 3:1360. Oct.23,1952. 44.8 M736

27811 SHEPHERD, E. The methylene blue test for ice cream. Ice Cream Indus. 30:551-552. Dec.1952. 389.8 Ic24

27812 SPEINLE. Qualitätsmängel bei milch und deren verhütung. Allgäuer Bauernbl. 20:630-631. Nov. 13,1952. 18 AL53
Tests.

27813 SUDHOLT, H. Die qualitätsbezahlung der anlieferungsmilch nach der reduktaseprobe. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2036-2037. Dec.11, 1952. 18 L2346

27814 TEWES, G. Über mängel der reduktaseproben für die qualitätsbezahlung der milch. Deut. Molk.-Ztg. 73:1457-1459. Nov.14,1952. 44.8 Su2

27815 THOMAS, S. B., and others. Determinación del contenido bacteriano de los equipos de los establecimientos de lecheria por el método del lampazo (swab). Indus. Lech. 34:534,536-545. Oct.1952. 44.8 In26
D. G. Griffiths, E. Davies, and N. B. Bebbington, joint authors.

27816 VÄRINGER, E. The valve measuring tube--a valuable aid in the control activities. (In Swedish.) Ladugården 11:338-339. Nov.1952. 44.8 L12

27817 WOLF, A. Anwendung und auswirkung der reduktaseprobe in Schweden. Molk.- u. Käserei-Ztg. 3: 1553-1554. Dec.12,1952. 44.8 M736

Consumption and Utilization

27818 BAUM, E. L., and CORBRIDGE, I. L. An economic study of dairy products consumption, Seattle, Washington. Wash. Agr. Expt. Sta. Tech. B. 8,32 p. Jan. 1953. 100 W27T

27819 BAUM, E. L. Spokane housewives speak on butter-oleo. Hoard's Dairyman 98:22. Jan.10,1953. 44.8 H65
Consumer preferences.

27820 MAGLIANO, A. For a larger alimentary utilisation of milk. (In Italian.) Mondo del Latte 9:535, 537. Sept.1952. 44.8 M74
English summary.

27821 WOODBURN, W. B. Survey reveals milk drinking habits of California consumers. Milk Dealer 42(4):86,88-89. Jan.1953. 44.8 M595

Distribution, Marketing, and Transportation

27822 ADDAMONTE, G. Greater consumption of milk, fundamental theme of the IV National Dairy Fair at Lodi. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statis. 5(8):13-14. Aug.1952. 280.9 M587B

27823 ARSENAULT, L. Du "Cheddar" au détail. Foyer Rur. [Montreal] 11(12):5,20. Oct.1952. 7 F83
Canada.

27824 BENHAM, S. H. Standards of good management in dairy co-ops. Amer. Coop. 24:473-480. 1952. 280.29 Am3A

27825 BERRESFORD, K. Let's make milk more important! Amer. Agr. 149:759,773. Dec.20,1952. 6 Am3

27826 BERTL, H. Niederösterreich in der milchablieferung an der spitze. Landwirtschaft 21/22:331-332. Nov.1952. 19 L235

27827 BIERMA, J. Cooperation and concentration in the dairy industry. (In Dutch.) Friesch Landbbl. 49: 659-660. Oct.31,1952. 12 F91

27828 BOWRING, J. R., and HOLMES, J. C. Comparing market efficiency in the delivery of milk. N. H. Agr. Expt. Sta. Agr. Econ. Res. Mimeog. 10,8 p. Sept. 1952. 281.9 N452

27829 BUSHEK, F. Our American Dairy Ass'n work. Inter-State Milk Prod. Rev. 33(8):32. Dec.1952. 280.28 In83

27830 CARLBERG, E. Advertising and propaganda. (In Swedish.) Mjölkpropagandan 29:251. Nov.1952. 44.8 M692
Of dairy products.

27831 CELADA, R. The domestic market for dairy products [Italy]. (In Italian.) Latte 26:485-486. Oct. 1952. 44.8 L35

27832 COLLINS, W. E. Interregional competition in dairying with special reference to the midwestern and southern areas. J. Farm Econ. 34:901-907. Dec. 1952. 280.8 J822

27833 COOK, H. L., and PRITCHARD, N. T. Seeking ways to improve marketing of butter at country points. Agr. Situation 36(11):12-14. Nov.1952. 1 Ec7Ag

27834 COOPERATIVE LAITIERE DU MANS. La Coopérative Laitière du Mans. n.p.,1952. 4 p. 280.2449 C782

27835 COWDEN, J. M. Farm-to-plant milk hauling practices of dairy cooperatives. U. S. Farm Credit Admin. B. 69,63 p. Ref. May 1952. 166.2 B87

27836 DIAZ CATALDO, A. La distribución de leche en Puerto Rico a traves de plantas de pasterizar. Rev. de Agr. P. R. 43:246-251. Jan./June 1952. 8 R325

27837 EKBERG, K. Capital formation in cooperative dairies. (In Swedish.) Mejeritidskrift 14:99-101. Oct. 1952. 44.8 M472

27838 FISHER, A. C. Bulk tank system of handling farm milk. Milk Dealer 42(4):45-46,58,60,62. Jan.1953. 44.8 M595

27839 GREGORY, H. W. Quality and confidence. Ice Cream Field 61:64,66,68. Jan.1953. 389.8 Ic23

27840 GRUBE, O. Erfahrungen der praktischen milchwerbung. Molk.-Ztg. 6:1999-2000. Oct.23,1952. 44.8 M735
Germany.

27841 GUNDLACH, G. P., and ESMOND, C. W. Stressing you in selling dairy products. South. Dairy Prod. J. 53:44-45. Jan.1953. 44.8 So83

27842 HENSLER, K. Ergebnisse und ziele der genossenschaftlichen milchwirtschaft. In Deutscher Raiffeisentag. Verhandlungsbericht, p.51-56. Bonn, 1952. 284.29 D485
Germany.

27843 HIBBEN, R. C. Bulk must not be neglected on our way to billion gallon goal. South. Dairy Prod. J. 53:120-121. Jan.1953. 44.8 So83

27844 HIRSCH, D. E. Dairymen get more stable markets. News Farmer Coop. 19(10):17-18. Jan.1953. 166.2 N47
Dairy cooperatives.

27845 HIRSCH, D. E. Non-price operations of dairy bargaining cooperatives. Amer. Coop. 24:428-434. 1952. 280.29 Am3A

27846 HIRSCH, D. E. Record needs of dairy cooperatives. Milk Dealer 42(4):94,96. Jan.1953. 44.8 M595

27847 HIRSCH, D. E. Role of producers' cooperatives under federal regulation in the United States: marketing of fluid milk. Milk Dealer 42(4):120-122. Jan.1953. 44.8 M595

27848 HOLMES, A. D. Store vs. delivered milk. Res. Rev. [Mass. Sta.] 1(2):10. July 1952. 100 M38R

27849 JAEGELS, A. H. Meeting the problems of federated groups. Amer. Coop. 24:457-466. 1952. 280.29 Am3A
Dairy products marketing.

27850 JANSMA, J. Concentration in the cooperative dairy and its background. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:683. Nov.5,1952. 44.9 AL3

27851 JENSEN, C. Cost of getting cream from the farm; direct rail shipment and truck pickup cheaper than cream station collection, study finds. N. Dak. Agr. Expt. Sta. Bimon. B. 15:83-84. Nov./Dec.1952. 100 N813B

27852 KALIMUTHU, K. Milk co-operatives and state hospital supplies. Madras J. Co-op. 44:143-148. (Cont.) Sept.1952 280.28 M26

27853 KIEFER, A. Milchmarkt und buttermarkt in NRW. Milch-Fettwaren-Eierhandel 4:540-541. Nov.1, 1952. 286.85 M59

27854 MCKERROW, G. W. Standards of good management in dairy co-ops. Amer. Coop. 24:481-484. 1952. 280.29 Am3A

27855 MCWILLIAMS, A. L. Meeting the changes in fluid distribution and inter-market relationships. Amer. Coop. 24:451-456. 1952. 280.29 Am3A
Milk.

27856 MICHIGAN MILK PRODUCERS ASSOCIATION. Annual report and proceedings at the thirty-sixth annual meeting. n.p.,1952. 40 p. 280.2449 M58

27857 NIEMEYER. Offener brief an einen ab-hof-verkäufer. Molk.- u. Käserei-Ztg. 3:1303-1304. Oct.9, 1952. 44.8 M736
Germany.

27858 PRITCHARD, N. T. Marketing research needs of dairy cooperatives. Amer. Coop. 24:467-472. 1952. 280.29 Am3A

27859 RATHORE, R. S. Progress of the Kanpur Sahkari Paya Parishad. United Prov. Co-op. J. 28:476-480. July 1952. 280.28 Un3
Milk marketing.

27860 RIBEIRO, J. A. Supplying of milk to Natal. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 5:259,271. Sept.1952. 44.8 B634

27861 ROBERTSON, T. B. Forecasting route sales. Amer. Milk Rev. 15:12-16,69-71. Jan.1953. 44.8 Am38

27862 RYAN, J. E. Happy help makes hardy co-op; Golden Guernsey is only Milwaukee dairy cooperative that has not undergone financial reorganization. Hoard's Dairyman 97:1004-1005. Dec.25,1952. 44.8 H65

27863 SNOWHOOK, J. Good will sells cheese. Butter, Cheese & Milk Prod. J. 44:22-23,40-42. Jan.1953. 286.85 B98Bu

27864 STOCKER, N. Milk tanks now here and still coming. News for Farmer Coop. 19(9):8-10. Dec.1952. 166.2 N47

27865 STOLL, G. Molkereigenossenschaft Wels. Bauer 5(39):4-5. Nov.8,1952. 19 B32

27866 SVENSKA MEJERIERNAS RIKSFÖRENING. [Styrelse- och revisionsberättelser för år 1951] [Management and auditor's reports of the Swedish Dairy Association for the year 1951]. Stockholm,1952. 96 p. 281.3449 Sv2S

27867 TAYLOR, M. K. Dairy cooperatives in legislative activities. Amer. Coop. 24:445-450. 1952. 280.29 Am3A

27868 U. S. PRODUCTION AND MARKETING ADMIN. Dairy and poultry market statistics, 1951; annual summary. U. S. D. A. Statis. B. 116,114 p. Sept.1952. 1 Ag84St

27869 U. S. PRODUCTION AND MARKETING ADMIN. How Federal milk marketing orders are developed and amended, by A. Swantz. Washington,1952. 13 p. 1.956 D14H83
Slight revision of a chapter from Marketing Research Report, No. 11 (1 Ag84Mr).

27870 U. S. PRODUCTION AND MARKETING ADMIN. Purchases and dispositions of dairy products by U. S. Department of Agriculture, January - September 1952 and summary of purchases and sales of dairy products acquired under price support programs, January 1959 - September 1952. Washington,1952. 9 p. 1.956 A2P973

27871 UOTILA, P. J. Summer and the transportation of milk. (In Finnish.) Teho 9:437-439. 1952. 20 T98
English summary, p. 450.
Equipment.

27872 WHITLOCK, R. The land first: IV. The future for dairy farms. Field 200:1117-1118. Dec.27,1952. 10 F45
Chiefly milk marketing in Great Britain.

Grading, Inspection, Standardization, and Quality

27873 ABJORNSSON, B. Can milk compete as a drink. (In Swedish.) Mjölkpropagandan 29:228-230. Oct. 1952. 44.8 M692
Flavor.

27874 BATT, W. G., and ALLO, A. V. Feed taints in cream. New Zeal. Dept. Agr. B. 360,8 p. 1952. 23 N48Bu

27875 BERGNER. Fünf jahre milchkontrolleure bei der Chemischen Landesuntersuchungsanstalt Stuttgart. Deut. Molk.-Ztg. 73:1398-1399. Oct.31,1952. 44.8 Su2

27876 BHATIA, S. S., and others. Quality control in relation to the production of milk and the steps required for bringing about improvement in the quality and quantity of milk supply to urban areas. India. Bd. Agr. & Anim. Husb. Proc. 8:175-189. 1951. 49.9 In22
J. N. Warner, H. Laxminarayana, and M. S. P. Mudaliar, joint authors.

27877 BRATLIE, O. The milk quality. (In Norwegian.) Meieriposten 41:849-852. Nov.22,1952. 44.8 M47
Norway.

27878 BREUL, H. H. Beitrag zur züchtungsmethodik der tuberkelbakterien aus milch unter anwendung von salzsäure und wärme. Giessen,1951. 39 p. 448.2 B753
Inaug.-Diss. - Giessen.

27879 CERUTTI, G. Quick-freezing influence on the milk-casein stability. (In Italian.) Ann. della Sper. Agr. (n.s.)6:1493-1496. 1952. 16 An76
English summary.

27880 CROWE, L. K. Some troublesome flavors in our market milk. Wash. State Col. Inst. Dairying. Proc. 21:37-44. 1952. 44.9 W27

27881 DAM, A. A. VAN. Consumer milk regulation and cooperatives in the West of the country. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:649-650. Oct. 22,1952. 44.9 AL3
Netherlands.

27882 ESCHE. Massnahmen zur qualitätssteigerung. Molk.-Ztg. 6:2189-2190. Dec.11,1952. 44.8 M735
Germany.

27883 HOMME, H. A., EASLEY, E., and SHAUL, J. If you're thinking of going grade A. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:79-80. Nov.1952. 275.28 Io94
Grade A milk production in Iowa.

27884 HOOD, E. G., GIBSON, C. A., and SMITH, K. N. Fruity flavour in Cheddar cheese. Sci. Agr. 32:638-644. Dec.1952. 7 Sci2

27885 LEMOIGEN, M., SANCHEZ, G., and GIRARD, H. Caractérisation de la pénicilline et de la streptomycine dans le lait. Acad. d'Agr. de France. Compt. Rend. 39:608-609. Oct.22/29,1952. 14 P215Bc

27886 MISNER, E. G. Federal and State standards for milk. Holstein-Friesian World 49:2863-2864,2904. Dec.20,1952. 43.8 H742

27887 MÜCKE, R. Qualitätsarbeit 1951 der nordbadischen und nordwürttembergischen molkereien. Deut. Molk.-Ztg. 73:1366-1367. Oct.24,1952. 44.8 Su2
Prizes awarded.

27888 OLDENBURG. Die sorge um die milchqualität. Deut. Milchhandels-Ztg. 74:600-601. (Concl.) Oct.9, 1952. 44.8 D48

27889 OLSON, H. C. The significance of coliforms. Ice Cream Field 61:54,56,77-79. Jan.1953. 389.8 Ic23
Ice cream regulation.

27890 QUADRI, P. Quality of cheese products and economic return in cooperative manufacture. (In Italian.) Sci. e Tec. Latt. Casearia 2(2/3):13. Mar./June 1952. 44.8 Sci2
Italy.

27891 SCHIØTTZ-CHRISTENSEN, E., and JØRGENSEN, H. A. Kvalitetskontrol med og afsætning af mejeriprodukter og æg i U.S.A.; og iagttagelser vedrørende mejeribrug i U.S.A., af H. Jørgensen [Quality control of and marketing of dairy products and eggs in U.S.A. and Observations on the dairy industry in U.S.A.]. København,1952. 76 p. (Teknisk Bistand under Marshallplanen) 44 Sch34

27892 SCHIØTTZ-CHRISTENSEN, E. Quality control of butter, cheese, and eggs: measures in force and methods employed in Denmark. Dan. Foreign Off. J. 6:13-15. .1952. 286.8 D22

27893 SCHÖNBERG, F. Bemerkungen und forderungen zu den heute in Deutschland üblichen milchsorten vom standpunkt des milchhygienikers. Deut. Molk.-Ztg. 73:1425-1429. Nov.7,1952. 44.8 Su2

27894 VALLEJOS, L. C. La penicilina en la leche de consumo público y de industria. Indus. Lech. 34:509-510,512-516. Oct.1952. 44.8 In26

27895 WEGENER, K. H. Kalium-bichromat und borsäure als konservierungsmittel für versandmilchproben zur untersuchung auf tuberkelbakterien. Lebensmitteltierarzt 3:107-108. Nov.1952. 41.8 L49

27896 WELLE, A. The milk quality. (In Norwegian.) Meieriposten 41:900-903. Dec.6,1952. 44.8 M47
Norway.

Packing and Packaging

27897 ADAMS, C. Proposed Department of Agriculture regulations governing design, materials, construction, installation and, operation of farm holding tanks and farm tank trucks. Wash. State Col. Inst. Dairying. Proc. 21:85-93. 1952. 44.9 W27

27898 CARON, P. A. La bouteille à lait. Emballages 22(136):146-148. Dec.1952. 309.8 Em1

27899 HENDRICKX, H. La corrosion des métaux dans l'industrie laitière. Belg. Lait. 6(27):9-12. Sept. 1952. 44.8 B412

27900 LEMBKE, A., KAUFMANN, W., and LAGONI, H. UV-absorption in kunststoff-folien. I. Kieler Milchwirt. Forschber. 4:503-508. 1952. 44.9 K542
English summary.
As packing materials in the dairy industry.

27901 MOHR, W., JÜNGER, R., and WEINERT, E. Versuche über die reinigung von milchflaschen. Kieler Milchwirt. Forschber. 4:437-454. 1952. 44.9 K542
English summary.

27902 MYRICK, N. Paper containers—an evolutionary factor in the milk business. Amer. Milk Rev. 14 (12):34-36,38,86-87. Dec.1952. 44.8 Am38

27903 RABUFFO, V. M. Trends in packages. Ice Cream Trade J. 48(12):44-46,86-87. Dec.1952. 389.8 Ic2

27904 RESUGGAN, J. C. L. Bottle washing with hard waters. Milk Indus. 33(6):54-58. Dec.1952. 44.8 M593

27905 SCHMITT, P. L'emballage perdu Tetra Pak pour le lait et la crème. (Extr.) Emballages 22(136): 151-153. Dec.1952. 309.8 Em1
Paper container.

27906 SIUDZINSKI, S. The consumer package and how it grew. Butter, Cheese & Milk Prod. J. 44:32,34. Jan.1953. 286.85 B98Bu
Cheese.

27907 STEPHENS, J. B. A place for the paper milk bottle in the industry. Food Canada 13:27,29. Jan.1953. 389.8 F7323

27908 SWETT, C. Waxes suitable for various types of cheese and paper milk bottles. Wash. State Col. Inst. Dairying. Proc. 21:95-100. 1952. 44.9 W27

Prices, Price Control, and Rationing

27909 BARTLETT, R. W. The behavior of marketing margins on dairy products. J. Farm Econ. 34:922-929. Dec.1952. 280.8 J822

27910 BLUM, J. L., and MARCH, R. W. The "18 condensery" milk price series. Cheese Rptr. 77(21):3, 6,8. Jan.9,1953. 44.8 Sh3

27911 BÖTEL. Gütebezahlung der milch. Landwirtbl. Weser-Ems 99:1207-1208. Nov.27,1952. 18 L2345

27912 CONNECTICUT. MILK ADMIN. Price order number III; order applicable to milk dealers regulating the handling of milk in market area number III. Hartford,Conn.,1952. 3 p. 280.3449 C76P

27913 GRÜMER, W. Qualitätsbezahlung der milch und käsequalität. Deut. Molk.-Ztg. 73:1523-1524. Nov.28,1952. 44.8 Su2

27914 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Special committee reports recommendations for Philadelphia milk market adjustments. Holstein-Friesian Assoc. Amer. Milk Mktg. News Let. 3(6),4 p. June 1952. 44.9 H74

27915 HONAN, J. E. Facts about level production. Inter-State Milk Prod. Rev. 33(8):25-27. Dec.1952. 280.28 In83
Milk prices.

27916 MISNER, E. G. Direct-ratio-to-fat pricing of milk to producers is outmoded. Holstein-Friesian Assoc. Amer. Milk Mktg. News Let. 3(5),4 p. May 1952. 44.9 H74

27917 MISNER, E. G. Economics of differential pricing of milk on a butterfat basis. Holstein-Friesian Assoc. Amer. Milk Mktg. News Let. 3(7),6 p. July 1952. 44.9 H74

27918 MODEST, F. Der butterpreis und § 19 WStG., eine betrachtung zur heutigen rechtslage. Milch-Fett-waren-Eierhandel 4(sup.):1-2. Nov.22,1952. 286.85 M59
Germany.

27919 ROY, L. La distribution du lait par les magasins au moyen d'un différentiel de prix. Québec Lait. 11(10):14-20. Oct.1952. 44.8 Q3

27920 SYLVEST, T. A. A formula for pricing class I milk in the Shreveport marketing area. La. Agr. Expt. Sta. Mimeog. C. 137,40 p. June 1952. 100 L935

27921 VIAL, E. E. Milk prices and handling charges in the spot market. Milk Dealers' Assoc. Metrop. N. Y. Mon. Membership Let. 69,8 p. Dec.17,1952. 280.3449 M593

27922 WILD. Nur für "schwindelfreie"! Deut. Molk.-Ztg. 73:1397-1398. Oct.31,1952. 44.8 Su2
Dairy products prices.

Processing and Storage

27923 AHLSTROM, W. Ice cream costs as affected by mix ingredients, composition, and overrun. Wash. State Col. Inst. Dairying. Proc. 21:107-112. 1952. 44.9 W27

27924 ANDREWS, H. C., and ANDREWS, H. L. Research and legislation needed by the dairy industry. South. Dairy Prod. J. 53:94-96. Jan.1953. 44.8 So83

27925 ANQUEZ, M. Le froid en fromagerie. Génie Rur. 45:288-291. Oct.1952. 58.8 Au8

27926 BERARD, A. Les lampes germicides dans l'industrie laitière. Tech. Lait. 8(118):17,20-23. Dec. 1,1952. 44.8 Of2

27927 BOLITHO, S. Butter manufacture; an introduction to factory methods. Victoria. Dept. Agr. J. 50:451-455. Oct.1952. 23 V66J

27928 BONNET, J. Considérations sur le traitement du lait. B. de Doc. et de Tech. Agr. 6(19):19-30. Ref. First Q.1952. 24 B873
Processing.

27929 BORGSTROM, G. Vägar för mjölkens konservering. [Ways of processing milk]. Svenska Inst. f. Konservforsk. P. 60,16 p. 1952. 389.9 Sv2

27930 BREDE, H. Lehrbutterungen—ein beitrag zur güteförderung! Molk.- u. Käserei-Ztg. 3:1339-1340. Oct.16,1952. 44.8 M736
Germany.

27931 BRYANT, C. B. A. Farm tank holding of milk with tank truck pick up. Wash. State Col. Inst. Dairying. Proc. 21:77-83. 1952. 44.9 W27

27932 BUTZ, D. E., and KOLLER, E. F. Costs of drying milk in Minnesota plants. Minn. Agr. Expt. Sta. B. 413,30 p. May 1952. 100 M66

27933 CONTACTGROEP OPVOERING PRODUCTIVITEIT. Zuivelonderzoek in de Verenigde Staten [Dairy research in the United States]. 's-Gravenhage,1951? 66 p. 44 C766

27934 COSSETTE, R. La pasteurisation du lait est un besoin. Foyer Rur. [Montreal] 11(12):11. Oct.1952. 7 F83
Canada.

27935 CROWE, L. K. Producing quality ice cream. Milk Plant Mon. 41(12):69-73. Dec.1952. 44.8 C864

27936 CROWE, L. K. Producing quality ice cream. Wash. State Col. Inst. Dairying. Proc. 21:101-106. 1952. 44.9 W27

27937 DARLING, C. S. Process pipe lines for food industries. Milk Indus. 33(6):62-65. Dec.1952. 44.8 M593

27938 DAVIS, J. G. The control of the holding time in high temperature-short-time pasteurisation of milk. Roy. Sanit. Inst. J. 73:11-18. Ref. Jan.1953. 449.9 R812

27939 DAVIS, J. G. Refrigeration in the dairy industry. Food [London] 21:467-473. Dec.1952. 389.8 F738

27940 DE, S. Ice cream. Indian Dairyman 4:65-68. Oct.1952. 44.8 In282
Manufacture.

27941 DECK, E. M. Essential advice on making vegetable fat frozen desserts. Ice Cream Trade J. 48(12):56, 83-84. Dec.1952. 389.8 Ic2

27942 DEMETER. Neues über die reifung von blauschimmel-labkäse. Deut. Molk.-Ztg. 73:1342-1343. Oct.17,1952. 44.8 Su2

27943 DONADIEU, J. Le ramassage en pots individuels. Tech. Lait. 8(118):9-11. Dec.1,1952. 44.8 Of2
Milk.

27944 FUTSCHIK, J. Qualitätsforderungen an die trinkmilch. Österr. Milchwirt. 7:307-308. Nov.7,1952. 44.8 Os72
Care and handling.

27945 GLAZIER, I. R., and DOWD, L. R. Homogenizers as timing pumps on HTST pasteurizers. Milk Dealer 42(3):51-52,87-88,91. Dec.1952. 44.8 M595

27946 GRAHAM, D. M., NELSON, F. E., and PARMELEE, C. E. The presence and persistence of bacteriophage in commercial lactic cultures. Milk Plant Mon. 41(12):22-24. Dec.1952. 44.8 C864

27947 GREENE, V. W., and BELL, J. M. Preserving raw milk with various antibiotic preparations. Sci. Agr. 32:619-625. Ref. Dec.1952. 7 Sci2

27948 GRUNDMANN, H. G. Camembert-käse. Molk.- u. Käserei-Ztg. 3:1336-1338. (Concl.) Oct.16, 1952. 44.8 M736
Manufacture and defects.

27949 GRÜTZ, P. Herstellung ungewaschener butter. Molk.-Ztg. 6:1097-1098,1125-1126. Oct.9-16,1952. 44.8 M735

27950 HANNAN, R. S., and SHEPHERD, H. J. An after-effect in butter-fat irradiated with high-energy electrons. Nature [London] 170:1021-1022. Dec.13,1952. 472 N21

27951 HODSON, A. Z. The role of temperature in amino acid losses during the prolonged storage of evaporated milk. Food Res. 17:467-471. Ref. Nov./Dec. 1952. 389.8 F7322

27952 HOLLAND, R. F. Processing of market cream. (Abs.) Milk Dealer 42(4):131-133. Jan.1953. 44.8 M595

27953 HÜBNER, K. Transportprobleme in molkereien. Molk.- u. Käserei-Ztg. 3:1470-1471. Nov.20, 1952. 44.8 M736

27954 IYA, K. K., and LAXMINARAYANA, H. Dairy science. Annu. Rev. Biochem. & Allied Res. India 22: 92-100. Ref. 1951,pub.Sept.1952. 385 So13

27955 JOSEPHSON, D. V. Newer developments in dairy foods research. Calif. Dairyman 32(24):8,12. Dec.27,1952. 44.8 C12

27956 KIEFERLE, F. Um das färben von butter. Deut. Molk.-Ztg. 73:1522-1523. Nov.28,1952. 44.8 Su2

27957 KONINKLIJKE NEDERLANDSE ZUIVELBOND. Eisen te stellen aan zuivelwerktuigen [Iron for dairy equipment]. 's-Gravenhage,1952. 50 p. 44 K8392

27958 KRIENKE, W. A., and MULI, L. E. Delicate flavors of fresh citrus captured in new ice creams. Ice Cream Trade J. 48(12):62,82. Dec.1952. 389.8 Ic2

27959 LANGWAGEN, P. Kochkäse,-das rohmaterial, seine verarbeitung, kochkäsefehler. Molk.- u. Käserei-Ztg. 3:1467-1470. Nov.20,1952. 44.8 M736

27960 LEGGATT, A. G. Sanitation aids in the modern dairy plant. South. Dairy Prod. J. 53:82-84. Jan. 1953. 44.8 So83

27961 LEMBKE, A., and others. Bericht über die prüfung einer einzellen-dauererhitzungswanne mit 100 liter inhalt der Fa. Eduard Ahlborn AG., Hildesheim. Kieler Milchwirt. Forschber. 4:509-526. 1952. 44.9 K542
M. Seelemann, K. Plock, and G. Wälzholz, joint authors.
English summary.

27962 LE ROI, D. Refrigeration in the milk industry. Milk Indus. 33(6):92-97. Dec.1952. 44.8 M593

27963 MCGLASSON, E. D. Temperature and point in process for the clarification of market milk. Wash. State Col. Inst. Dairying. Proc. 21:29-35. 1952. 44.9 W27

27964 MARTIN, W. H. Low fat, high solids mixes. Ice Cream Field 61:58,60,62. Jan.1953. 389.8 Ic23

27965 MARTIN, W. H. Preparation of low fat, high solids mixes for ice cream. Dairy Foods Rev. 57: 16,38-39. Jan.1953. 286.85 P11

27966 MAUTNER, M. Über butterausbeute aus vollmilch. Deut. Molk.-Ztg. 73:1400. Oct.31,1952. 44.8 Su2

27967 MINOR, L. H. Detergents and chemical sanitizers for dairy sanitation. Milk Plant Mon. 41(12): 42-44. Dec.1952. 44.8 C864

27968 MINOR, L. H. Detergents and chemical sanitizers for dairy sanitation. Wash. State Col. Inst. Dairying. Proc 21:25-27. 1952. 44.9 W27

27969 MOHR, W., WORTMANN, A., and GERAUER, H. Bestimmung der alkalität in reinigungsmittellösungen Kieler Milchwirt. Forschber. 4:421-435. 1952. 44.9 K542
English summary.

27970 MORI, A. DE. Proper technique for the production of yoghurt. (In Italian.) Latte 26:538,543. Nov. 1952. 44.8 L35

27971 MYRICK, N. Vegetable fat challenges ice cream. Amer. Milk Rev. 14(12):14,16,18,58-59. Dec. 1952. 44.8 Am38

27972 NIYOGY, N., and MUKHERJI, B. K. Moulded plastics from acid casein by dry process. Indian Chem. Soc. J. Indus. & News Ed. 15:9-14. 1952. 385 In27A

27973 O'SHEA, M. Irish cheesemaking. Irish Agr. & Creamery Rev. (n.s.)18(227):10-13. (Cont.) Nov. 1952. 44.8 C866

27974 O'SHEA, M. Irish cheesemaking: past, present and future. Irish Agr. & Creamery Rev. (n.s.)18(228):4-5. (Cont.) Dec.1952. 44.8 C866

27975 PLOCK, K., and LANG, R. Bericht über die entwicklungsprüfung eines automatisch arbeitenden umschaltventils für milcherhitzungseinrichtungen der Fa. Bergedorfer Eisenwerk AG., Hamburg-Bergedorf. Kieler Milchwirt. Forschber. 4:479-484. 1952. 44.9 K542
English summary.

27976 LA RECHERCHE scientifique laitière en Belgique; recherches sur la pasteurisation du lait. Belg. Lait. 6(27):7-9. (Cont.) Sept.1952. 44.8 B412

27977 RENZ, F. Stallarbeit und milchfehler. Allgäuer Bauernbl. 20:585-586. Oct.23,1952. 18 AL53
Sanitation.

27978 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 73:1532. (Cont.) Nov.28,1952. 44.8 Su2
Sanitation.

27979 ROBINSON, G. M. Pasteurized cheese. Farmer's Mag. 49(11):24,56. Nov.1952. 7 C165

27980 SAUER. Steckt die dosenmilchindustrie in einer krise? Molk.- u. Käserei-Ztg. 3:1500-1501. Nov. 27,1952. 44.8 M736
Germany.

27981 SCHADE, H. Speisequarkfertigung mit hilfe der kolloidmühle. Molk.- u. Käserei-Ztg. 3:1527. Dec. 4,1952. 44.8 M736

27982 SCHAFFER, O. Der milchkühler—einmal anders. Osterr. Milchwirt. 7:279-282,308-310. Oct.7,-Nov.7,1952. 44.8 Os72

27983 SCHULZ, W. G. Low bacteria count—top grade A operators follow rigid system of sanitation on Oregon dairy. West. Dairy J. 9:26-27. Nov.1,1952. 44.8 W524

27984 SELIGMAN, R. Milk and metals—1951. II. Indian Dairyman 4:59-62,68. Oct.1952. 44.8 In282
Equipment.

27985 SELL, E., and RUF, G. Weinkäse—seine herstellung und seine eigenschaften. Molk.- u. Käserei-Ztg. 3:1497. Nov.27,1952. 44.8 M736

27986 SHEURING, J. J. Factors affecting production of soft ice cream. South. Dairy Prod. J. 53:100-102, 108-109. Jan.1953. 44.8 So83

27987 SMYTHE, V. R., and LIGHTBODY, L. G. The maintenance of phage-free cheese starter cultures. Queensland Agr. J. 75:197-206. (Cont.) Oct.1952. 23 Q33

27988 SMYTHE, V. R., and LIGHTBODY, L. G. The maintenance of phage-free cheese starter cultures. Queensland Agr. J. 75:263-270. (Cont.) Nov.1952. 23 Q33

27989 STEWART, A. P. Research advances dairy industry. Calif. Dairyman 32(23):32-33. Dec.13,1952. 44.8 C12

27990 STORCK, W. Buttermilch—geschlagene buttermilch—kosama. Molk.- u. Käserei-Ztg. 3:1308-1311. Oct.9,1952. 44.8 M736
Manufacture.

27991 STORCK, W. Teilhomogenisierte kurzzeiterhitzte milch im stadt- und landkreis Aachen. Molk.- u. Käserei-Ztg. 3:1472-1473. Nov.20,1952. 44.8 M736

27992 SYKES, R. C. Clean milk production. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:352-354. Nov.1952. 23 T182T

27993 TRONI, V. Some aspects of the problem of milk supply. (In Portuguese.) Frutas da Madeira 12: 261-262,268. Sept.1952. 286.83 F9422
Sanitation.

27994 WAGNER, K. H. Die sterilmilch (wie können wir den verlust an vitaminen in der sterilmilch ersetzen?). Molk.- u. Käserei-Ztg. 3:1304-1308. Oct.9, 1952. 44.8 M736

27995 WAKEMAN, A. H. Batch freezer operation and maintenance. South. Dairy Prod. J. 53:122,124. Jan.1953. 44.8 So83

27996 WAUSCHKUHN, B. Die trocken- oder sterilkammer in der käserei. Molk.-Ztg. 6:2167-2168. Dec.4, 1952. 44.8 M735

27997 WAUSCHKUHN, B. Der trockenraum in der Camembertkäserei. Molk.-Ztg. 6:1103-1104. Oct.9, 1952. 44.8 M735

27998 WAUSCHKUHN, B. Der trockenraum in der Camembertkäserei. Molk.-Ztg. 6:2001-2002. (Cont.) Oct.23,1952. 44.8 M735

27999 WEIGT, A. Qualitätsbutter—trotz rübenblattfütterung. Molk.- u. Käserei-Ztg. 3:1361-1362. Oct.23, 1952. 44.8 M736
Manufacture.

28000 WEINREICH, C. F. Production of dry milk fat. Wash. State Col. Inst. Dairying. Proc. 21:71-76. 1952. 44.9 W27
Butter oil.
Includes discussion.

28001 WERNER. Buttereinlagerung—einmal anders gesehen! Molk.- u. Käserei-Ztg. 3:1554-1556. Dec.12, 1952. 44.8 M736

28002 WILSTER, G. H. Condensed and dry milk in U. S. A. (In Danish.) Nord. Mejeri-Tidsskr. 18:161-162, 173-174. (Cont.) 1952. 44.8 N752

28003 WINDLAN, H. M., and SHEURING, J. J. A study of the vanilla-sweetener relationship in ice cream. Ice Cream Trade J. 48(12):66-67,85. Dec.1952. 389.8 Ic2

28004 ZANT, W. C. VAN DER, and CAULFIELD, W. J. The utilization of corn syrup solids in ice cream. Ice Cream Rev. 36(6):42-44,100,102-104. Jan.1953. 389.8 Ic22

28005 ZELER, K. La mécanisation en fromagerie vue par un Allemand. Vie Lait. 8(165):2. (Cont.) Oct. 25,1952. 44.8 V67

Statistics

28006 AUSTRALIA. BUR OF CENSUS AND STATISTICS. Butter, cheese and condensed, concentrated, etc., milk. Austral. Bur. Census & Statis. Mfg. Indus. 21,7 p. Nov.20,1952. 271 Au72Ma

28007 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. A summary of the dairying industry in Australia, year ended-June 1952, vol.15, No. 9. Canberra,1952. 25 p. 271 Au72Su

28008 CHICAGO MERCANTILE EXCHANGE. Dairy & poultry year book 1951—1952. Chicago,1952. 132 p. 44.9 D142
Statistics.

28009 SPAGNOLI, A. What is the milk production of Italy and how it is distributed. (In Italian.) Allevatore 8(48):3. Nov.30,1952. 49 AL55
Includes statistics.

28010 U. S. BUR. OF AGRICULTURAL ECONOMICS. Statistics relative to the dairy industry in New York State. 1951. Albany,1952. 91 p. 1.941 S8St2
New York State Department of Agriculture and Markets cooperating.

FEED AND FORAGE CROPS

28011 AMERICAN FEED MANUFACTURERS ASSOCIATION. Estimated feed use and supplies for the 1952-53 feeding year. Chicago,1952. 15 p. 389.79 F32

28012 ASPINALL, G. O., and TELFER, R. G. J. The isolation of sucrose from the partial hydrolysis of the fructosan from Lolium perenne. Chem. & Indus. 51:1244-1245. Dec.20,1952. 382 M31C

28013 ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS Official publication, 1953. College Park, Md.,1953. 135 p. 389.7 As7

28014 BARBA, L. DELLA. Preservation of beet pulp. (In Italian.) Agr. Ferrarese 56:30-32. Feb.29, 1952. 16 Ag87

28015 BEARSE, G. E. Granulation—pelleting—color—texture. Grain & Feed J. Consolidated 109(12): 13-14. Dec.24,1952. 298.8 G762
Poultry feeds.

28016 BEATH, O. A., and HAMILTON, J. W. Chemical composition of Wyoming forage plants. Wyo. Agr. Expt. Sta. B. 311,40 p. Feb.1952. 100 W99

28017 BOOZE, R. Feed association histories. III. Colorado group 10 years old. Feed Bag 29:63. Jan. 1953. 389.78 F32
Colorado Grain, Milling & Feed Dealers Association.

28018 BOWDEN, R. B. An avalanche of feed research. Grain & Feed J. Consolidated 109(12):17-18. Dec.24,1952. 298.8 G762

28019 BOWDEN, R. O. The steady progress. Assoc. Amer. Feed Control Off. Off. P. 1953:74-75. 389.7 As7
Feed control.

28020 BURNS, I. V. Quality control for the large feed manufacturing operation. Feed Age 3:32-34,36,54. Jan.1953. 389.78 F327

28021 CANADIAN MILLING AND FEED. Directory of companies. Canad. Milling & Feed 34:29-32,35. Jan.1953. 298.8 C162

28022 CARPENTER, A. W. Feed control observations. Assoc. Amer. Feed Control Off. Off. P. 1953:76-78. 389.7 As7

28023 CARPENTER, A. W. Is OPS on the way out? East. Feed Merchant 4:72. Jan.1953. 389.78 Ea7

28024 CARPENTER, A. W. OPS alfalfa regulation is complicated. East. Feed Merchant 3(12):68,70. Dec.1952. 389.78 Ea7

28025 CLARK, D. M. Great progress in Illinois. Flour & Feed 53(8):20. Jan.1953. 298.8 F66
Illinois Feed Association.

28026 LE CONTROLE et la valeur alimentaire des aliments. Rev. de l'Élevage 7(spec.no.):106-107. 1952. 49 B462
France.

28027 DIAMOND, B. Our opportunity is year-round. Hatchery & Feed 27:16-18. Jan.1953. 47.8 H28
Feed business.

28028 DIAMOND, W. T. Keeping pace with nation's needs, that's the responsibility of feed industry. Feed Bag 28(12):19,23. Dec.1952. 389.78 F32

28029 DOERY, A. Fodder conservation competitions. Victoria. Dept. Agr. J. 50:456-458. Oct.1952. 23 V66J

28030 DOYLE, B. K. Marketing feed molasses. Flour & Feed 53(8):26. Jan.1953. 298.8 F66

28031 FRANKLIN, N. L. Virginia feed control program. Flour & Feed 53(8):13. Jan.1953. 298.8 F66

28032 GLENNON, W. E. Feed industry moves ahead. Flour & Feed 53(8):5. Jan.1953. 298.8 F66

28033 HESTHAMAR, T. B. Storage of straw treated with lye. (In Norwegian.) Samvirke [Oslo] 47:420-421. Oct.15,1952. 280.28 Sa4

28034 HOŠPES, B. Production of yeast for feed. (In Czech.) Ceskoslov. Akad. Zemédél. Sborn. 25:299-316. Ref. Oct.1952. 19.5 C332C

28035 HOSTERMAN, W. H. U. S. grades and standards for hay and their relation to feeding value. Internatl. Grassland Conf. Abs. Papers 6(H):18-19. 1952. (Doc.5) 60.19 In86

28036 HUISMAN, M. H. Quality of dried grass, alfalfa, red clover, etc. in 1950. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:369-373. Oct.1952. 12 N383M

28037 L'INSTITUT Professionnel de Controle et de Recherches Scientifiques des Industries de l'Alimentation Animale. Rev. de l'Élevage 7(spec.no.):108-109. 1952. 49 B462
France.

28038 JENNINGS, R. D. A look at the protein situation for livestock in 1952. U. S. Bur. Agr. Econ. F. M. 97,15 p. Sept.1952. 1.941 L6F22
Requirements, sources, and measures for increasing the protein content of the feed supply.

28039 KENTUCKY. AGRICULTURAL EXPERIMENT STATION. FEED AND FERTILIZER DEPT. Quarterly report on official feed samples analyzed. Ky. Agr. Expt. Sta. Regulat. B. 102,35 p. Nov.1952. 100 K41

28040 KUZMESKI, J. W. Tomorrow's feed tag. Flour & Feed 53(8):8. Jan.1953. 298.8 F66

28041 MAKSIMOV, A. Organizing a feed supply base secures high productivity of [dairy] cattle. (In Russian.) Sotsialist. Zhivotonvod. 14(8):32-34. Aug.1952. 49 So71

28042 MEL'NIKOV, P. I. Method of organizing the feed supply base [on Il'ich State Farm in Frunze Region, Kirgiz SSR]. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:14-16. June 1952. 20 D742

28043 MOON, F. E., and ABOU-RAYA, A. K. The lignin fraction of animal feeding-stuffs. III. The determination of 'total lignin.' J. Sci. Food & Agr. 3:595-608. Dec.1952. 382 So12

28044 MOVSISIANTS, A. P. Economical and planned consumption of feeds. (In Russian.) Sotsialist. Zhivotnovod. 14(10):14-17. Oct.1952. 49 So71

28045 MOVSISIANTS, A. P., and SMIRNOV, I. S. To stock up more feeds for public livestock. (In Russian.) Sotsialist. Zhivotnovod. 14(8):26-29. Aug.1952. 49 So71
Policy.

28046 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. BUR. OF FOOD CONTROL. List of brands of concentrated commercial feeding stuffs for which wholesalers' licenses were issued between January 1 and June 30, 1952, for license year ending December 31, 1952. N. Y. Dept. Agr. & Mkt. B. 381,38,69 p. Sept. 1952. 2 N482

28047 OLBREI, KH. A. Consolidating the feed supply base on Uus Elu Collective Farm [in Raplask District, Estonian SSR]. (In Russian.) Sotsialist. Zhivotnovod. 14 (9):16-19. Sept.1952. 49 So71

28048 QUACKENBUSH, F. W. What constitutes progress in regulatory work. Assoc. Amer. Feed Control Off. Off. P. 1953:59-61. 389.7 As7

28049 QUEBEC. PROVINCIAL FEED BOARD. Feeders' guide and formulae for meal mixtures, twenty-fifth edition, 1952. Quebec,1952. 67 p. 389.79 Q3

28050 RATHSCHLAG, H. Futterplanung und fütterung in zuckerrübenwirtschaften. Deut. Landwirt.-Gesell. Mitt. 67:774-775. Oct.23,1952. 18 N39

28051 SIEVERT, C. W. The feed consultant and the control official. Assoc. Amer. Feed Control Off. Off. P. 1953:79-81. 389.7 As7

28052 SOMMERKAMP, G. Der futterbau im wettbewerb mit den marktfrüchten des ackerlandes. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2087-2088. Dec.20,1952. 18 L2346

28053 STANGELAND, S. Estimated feed requirements for livestock and poultry. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 39,18 p. May 1952. 281.9 So86

28054 STEIGERWALD, E. Zum DLG-bundes- heuwettbewerb. Deut. Landwirt.-Gesell. Mitt. 67:777-778. Oct 23,1952. 18 N39
Analysis and composition.

28055 STURGIS, H. O. Today's marine feed products. Assoc. Amer. Feed Control Off. Off. P. 1953:66-69. 389.7 As7
Fish oil and meal.

28056 SYKES, J. D. The boss and the unseen tag. Assoc. Amer. Feed Control Off. Off. P. 1953:62-65. 389.7 As7

28057 TUREK, F. Zusammensetzung der futtermittel. Bauer 5(37):4-6. Oct.25,1952. 19 B32

28058 U. S. BUR. OF AGRICULTURAL ECONOMICS. Austrian winter peas. Boise,Idaho,1952. 1 p. 1.941 S2F45

28059 WATSON, R. G. C. Feeding stuffs and the merchant. Inst. Corn & Agr. Merchants. J. 3:133-138. Autumn 1952. 10 In7

28060 WOERMANN, E. Die betriebs- und arbeitswirtschaftlichen probleme der futterwirtschaft. Landtechnik 7:751-759. Dec.1952. 58.8 L235

28061 ZHELEZNIAK, P. G. Put' k Kommunizmu Collective Farm [in Melitopol District, Zaporozhye Region] is making successful preparations for livestock wintering. (In Russian.) Sotsialist. Zhivotnovod. 14(10):8-13. Oct. 1952. 49 So71
Feed policy mainly.

FIBERS AND TEXTILES

28062 ACHILLI, C. Cotton in the Empire of Montezuma. (In Italian.) Riv. dell'Indus. Tessile Coton. 6: 853-854. Dec.1952. 286.3729 Is7N

28063 ALL JAPAN COTTON SPINNERS' ASSOCIATION. RESEARCH DIV. Importance of cotton industry in Japanese economy. (In Japanese.) Mon. Rpt. Jap. Cotton Spinning Indus. 71:32-46. Nov.1952. 304.9 J27M

28064 ANDREEV, G. Double-tier continuous [cotton] cleaner. (In Russian.) Khlopkovodstvo 8:72-74. Aug. 1952. 72.8 K522

28065 BALTAZAR, E. P. Why the Philippines should grow ramie on a large scale. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(3):17. Mar.1952. 25 P544P

28066 BEDRINSKII, A. A., and KISELEV, A. K. Improvement of [cotton] scutching and ginning machines. (In Russian.) Tekstil'. Promysh. 12(4):23-24. Apr.1952. 304.8 T23

28067 BEEVERS, H. The manufacture of worsted yarns. I. From combed top to final roving. Wool Knowl. 2(7):18-23. Autumn 1952. 304.8 W886

28068 BELITSIN, N. M. On ways of developing the latest system of [cotton] spinning. (In Russian.) Tekstil'. Promysh. 12(4):17-18. Apr.1952. 304.8 T23

28069 BLACKWOOD, M. B. The cotton industry grows up. Foreign Trade 13(314):14-16. Jan.3,1953. 286.8 C162
Hong Kong.

28070 BLIUMENTAL', S. E. Calculating the yield of pure fiber from unwashed wool. (In Russian.) Tekstil'. Promysh. 12(4):11-12. Apr.1952. 304.8 T23

28071 BLÜMCKE, A. Nass-spinnen von flachsgarnen unter herabsetzung der spinnbadtemperatur. Textil-Praxis 7:882-885. Nov.1952. 304.8 T3143

28072 BONNET, F. Breve reseña de la seda artificial. Textil (ser.2)104:33-35. Sept.1952. 304.8 T3137

28073 BRINDEL, P. L'école du lin. Fleur Bleue 21: 51-52. Dec.1952. 304.8 F63

28074 BROOKS, D. W. The story of the Cotton Producers Association. Amer. Coop. 24:200-203. 1952. 280.29 Am3A

28075 CÁMARA ALGODONERA DE BUENOS AIRES. Memoria del ejercicio vencido el 31 de diciembre de 1951. Buenos Aires,1952. 15 p. 287 B867

28076 CÁMARA ALGODONERA DEL PERÚ. Memoria anual correspondiente al año 1951. Lima, 1952. 37,42 p. 281.3459 P43

28077 CHAPMAN, P. W. The Cotton Belt moves to the Pacific Ocean! Prog. Farmer, Tex. Ed. 67(12):48,53, 68. Dec.1952. 6 T311
Cotton industry in California.

28078 CHASSAIGNE, H. DE LA. La bataille du lin en Italie. Fleur Bleue 21:41-44. Dec.1952. 304.8 F63

28079 CHATTERJEE, H. Iodoform reaction with jute cellulose. Cur. Sci. 21:22. Jan.1952. 475 Sci23

28080 CHOWDHURY, J. K., and DATTA, S. K. Saccharification of jute sticks. Indian Chem. Soc. J. Indus. & News Ed. 15:1-8. Ref. 1952. 385 In27A
Hydrolysis to obtain sugars for manufacture of alcohol or yeasts.

28081 COOK, J. M. What you can expect from 1952 cotton. Textile World 103:101-103. Jan.1953. 304.8 T315
Quality.

28082 CURRIM, A. History of the jute industry. Cotton & Textiles J. 2(11):31-34. Oct.1952. 304.8 C825

28083 DALGETY AND CO. Dalgety's annual wool review for Australia & New Zealand, 54th, 1951/52. Sydney,1952? 152 p. 23 Au75A
Statistical.

28084 DART, S. L., and PETERSON, L. E. An improved vibroscope. Textile Res. J. 22:819-822. Dec. 1952. 304.8 T293

28085 DAS, D. B., GUHA, S. K., and WAREHAM, J. F. A new method for the assessment of bast fibre quality by torsional rupture. J. Sci. & Indus. Res. 11B:449-451. Oct.1952. 475 J82

28086 DAS, D. B., MITRA, M. K , and WAREHAM, J. F. A study on the association of sylan with α-cellulose in jute by partition chromatography. Sci. & Cult. 18: 249-250. Nov.1952. 475 Sci24

28087 DAUL, G. C., REINHARDT, R. M., and REID, J. D. Crease-resistant cloth from partially carboxymethylated cotton. Textile Res. J. 22:792-797. Ref. Dec.1952. 304.8 T293

28088 DAUL, G. C., REINHARDT, R. M., and REID, J. D. Studies on the partial carboxymethylation of cotton. Textile Res. J. 22:787-792. Ref. Dec.1952. 304.8 T293

28089 DAVISON'S cordage, twine and duck trade, forty-fourth edition, March, 1952. Ridgewood,N.J., 1952. 338 p. 304.8 D29

28090 DEWEY, E. R. What is ahead for cotton production? Cycles 4:9-13. Jan.1953. 470 C99

28091 DOBELL, M. Quick selling facts about today's natural and man-made fibers. Linens & Domestics 45(5):41-48. Nov.1952. 304.8 L642

28092 DRY, F. W. Fundamental research gives new carpet wool. Wool 1(5):13-16. 1952/53. 45.8 W887

28093 DUNCAN, J. E. Problem of brands in wool must be solved. New Zeal. J. Agr. 85:303-304. Oct.15, 1952. 23 N48J

28094 DUNCAN, J. E. Testing wool for moisture content. Wool 1(5):57,59-60. 1952/53. 45.8 W887

28095 EDWARDS, M. G. Pilot scale manufacture of hecogenin from sisal waste. East African Agr. J. 18:21-23. July 1952. 24 Ea74

28096 ELLIOTT, A. The a-β transformation in stretched hair. Textile Res. J. 22:783-786. Ref. Dec. 1952. 304.8 T293
Includes wool.

28097 ELSHANSKII, A. P., and TOMILOVA, P. N. Method of processing short stem [flax] staple. (In Russian.) Tekstil'. Promysh. 12(9):34-35. Sept.1952. 304.8 T23

28098 FARNWORTH, C. H. Wool—mainstay of Uruguay's economy. Foreign Agr. 16:199-203. Nov. 1952. 1.9 Ec7For
Sheep and wool industry.

28099 FENG, I. Y. T. When is a fiber a useful fiber? Textile Forum 9(4):19-20,45. Oct.1952. 304.8 T3191

28100 FETROW, W. W. Cotton and oilseed cooperatives give better pickin's. News Farmer Coop. 19(10):7, 23. Jan.1953. 166.2 N47

28101 FRIEDMANN, G. Hemp culture within the framework of the national economy. (In Italian.) Mondo Agr. 3(43):5. Oct.26,1952. 16 M74
Italy.

28102 GAĬTSGORI, G. L. Experiment in drying long fiber kenaf. (In Russian.) Tekstil'. Promysh. 12(9):36-37. Sept.1952. 304.8 T23

28103 GARLINSKAIA, E. I., and others. Washing wool by utilizing ultrasonic energy. (In Russian.) Tekstil'. Promysh. 12(4):10. Apr.1952. 304.8 T23
N. N. Dolgopolov, A. I. Matefskiĭ, and E. L. Ruban, joint authors.

28104 GOLDBERG, J. B. Textile research achievements in 1952. Textile B. 79:49-50,52,54-56,58. Jan.1953. 304.8 So82
Fiber research included.

28105 GRACHEV, V. P., and SHAPIRO, I. S. Utilization of PTT-168 [cotton roving] machines. (In Russian.) Tekstil'. Promysh. 12(6):10-12. June 1952. 304.8 T23

28106 GT. BRIT. CENTRAL OFF. OF INFORMATION REFERENCE DIV. The United Kingdom rayon and synthetic fibres industries. London,1952. 8 p. (Its Quote R. 2281) 304 G7993Ur

28107 GT. BRIT. CENTRAL OFF. OF INFORMATION REFERENCE DIV. The United Kingdom silk industry. London,1952. 3 p. (Its Quote R. 2280) 304 G7993Us

28108 GT. BRIT. CENTRAL OFF. OF INFORMATION REFERENCE DIV. The United Kingdom textile industries. London,1952. 3 p. (Its Quote R. 2275) 304 G7993Ut

28109 GT. BRIT. CENTRAL OFF. OF INFORMATION REFERENCE DIV. The United Kingdom wool textile industry. London,1952. 9 p. (Its Quote R. 2276) 304 G7993Uw

28110 GREENHILL, W. The production of jute and the jute substitute fibres in Australia. Jute & Canvas Rev. 22(291):18; (292):15,18. (Cont.) Dec.1952-Jan.1953. 73.38 J982

28111 GROOTFONTEIN COLLEGE OF AGRICULTURE. A Merino wool score-card. Farming So. Africa 27:457-460. Oct.1952. 24 So842

28112 GUZMAN, G., and NOSKOV, M. Current problems of workers of the cotton processing system. (In Russian.) Khlopkovodstvo 8:10-19. Aug.1952. 72.8 K522

28113 HAARER, A. E. Jute substitute fibres; bimlijute, the roselle and aramina fibre. Dorchester, Eng., Wheatland J.,1952. 185 p. 73.5 H11

28114 HARDY, J. New Zealand wools and their marketing. Wool 1(5):5,7. 1952/53. 45.8 W887

28115 HARTARD EBERT, M. Produccion de lino y de linaza. Campesino [Santiago] 84(9):37. Sept.1952. 9.3 So12
Statistical for Chile.

28116 HAYAT, A. Stabilisation of jute prices. Cotton & Textiles J. 2(11):39-40. Oct.1952. 304.8 C825

28117 HERSH, S. P., and MONTGOMERY, D. J. Electrical resistance measurements on fibers and fiber assemblies. Textile Res. J. 22:805-818. Ref. Dec.1952. 304 8 T293

28118 HERZOG, A. Handbuch der mikroskopischen technik für fasertechnologen. Berlin,Akademie-Verlag, 1951. 198 p. 304 H442H

28119 HESSLER, L. E. Why cottons behave differently. Textile Indus. 117:94-96. Jan.1953. 304.8 C823
Properties.

28120 HILL, D. W. Fibres, old and new. Nature [London] 170:865-868. Nov.22,1952. 472 N21

28121 HOWDEN, C. Viscose staple with wool. (Sum.) Cotton & Textiles J. 2(11):49. Oct.1952. 304.8 C825
Fiber blends.

28122 HOWELL, L. D. Marketing and manufacturing services and margins for textiles. U. S. D. A. Tech. B. 1062,295 p. Ref.,p.290-295. Sept.1952. 1 Ag84Te
Supersedes Technical Bulletin 891.

28123 HUDSON, J. A review of coir. II. Textile Indus. & Fibres 13:384-387. Dec.1952. 304.8 F16

28124 HUTCHINSON, W. B. The Liverpool cotton market; a review of recent developments and future trends. Liverpool Trade Rev. 51:395-399. Dec.1952. 287 L753

28125 IMPERIAL CHEMICAL INDUSTRIES. NOBEL DIV. Ardil protein fibre; a new staple fibre for the textile industry. Glasgow,1952? 18 p. 304 Im72A

28126 INDIAN CENTRAL COTTON COMMITTEE. Report on the accuracy of the All-India cotton forecast of 1949-50 season. Indian Cent. Cotton Comt. Statis. L. 5,9 p. Oct.1951. 72.9 In233St

28127 INDIAN CENTRAL COTTON COMMITTEE. Spinning test reports. Indian Cent. Cotton Comt. Technol. Lab. Technol. C. 855-872. Apr.-June 1952. 72.9 In2332C

28128 ISLAS OSORNO, L. El consumo mundial de fibras artificiales. Textiles Panamer. 12(12):29-30,32-33,35,37. Dec.1952. 304.8 T3142

28129 ISLAS OSORNO, L. El consumo de fibras textiles. Rev. de Econ. 15:286-292. Sept.1952. 280.8 R3293
World figures.

28130 IVANOV, S. S. Present day status of the theory and practice of [fiber] drawing. (In Russian.) Tekstil'. Promysh. 12(4):13-16. Apr.1952. 304.8 T23

28131 JACBENDOFF, R. United States wool situation, fall of 1952. Wyo. Wool Grower 9(31):6-7. Dec.18, 1952. 280.38 W99

28132 JACKSON, R. C. Cotton's future and its economic importance. Boston Conf. Distrib. 24:95-98. 1952. 286.29 B65

28133 JOHNSON, A. Wool and man-made fibres: merits and future. Textile Mfr. 78:652,655. Dec.1952. 304.8 T3126

28134 JOHNSON, A. F., and MUELLER, W. A. Effect of Wiley mill cutting on solubility of cellulose fibers. Indus. & Engin. Chem. 45:215-217. Jan.1953. 381 J825
Cotton.

28135 KAY, SIR J. India's cotton textile industry. Roy. Soc. Arts. J. 100:848-859. Nov.14,1952. 501 L847J
Includes discussion.

28136 KEETCH, R. R. Two methods for determining fineness of wools. Utah. State Agr. Col. Ext. Fact Sheet 2,2 p. May 1952. 275.29 Ut1F

28137 KENNEDY, R. J. Some observations on worsted spinning. Bradford Textile Soc. J. 1951/52: 31-37. 304.9 B72

28138 KINGWILL, W. G. Very successful wool score card introduced. Merino Breeders' J. 14(4):24. Oct.1952. 45.8 So8

28139 KOP'EV, A. A., and DUL'MAN, T. M. New method of biological retting of flax straw by utilizing ferments of denitrifying bacteria. (In Russian.) Tekstil'. Promysh. 12(6):21-23. Ref. June 1952. 304.8 T23

28140 KRYLOV, S. Potentialities of a flax growing collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(7):20-22. July 1952. 281.8 K83
Policies and programs.

28141 KUBU, E. T. The stress relaxation of fibrous materials. I. Instrumentation and preliminary results. Textile Res. J. 22:765-777. Ref. Dec.1952. 304.8 T293

28142 KUBU, E. T., and MONTGOMERY, D. J. The stress relaxation of fibrous materials. II. Kinetics of the reduction of wool keratin by cysteine. Textile Res. J. 22:778-782. Ref. Dec.1952. 304.8 T293

28143 LANGE, I. A. M. Pre-lamb shearing and early shorn wools. (Extr.) Wool 1(5):49,51,53. 1952/53. 45.8 W887

28144 LEACH, J. South American wools, and their competitive potential. Wool 1(5):27,29. 1952/53. 45.8 W887

28145 LESIK, V. Organization of hemp retting. (In Russian.) Kolkhoz. Proizvodstvo 12(7):26-27. July 1952. 281.8 K83

28146 LLOYD, R. S. Occurrence of anthrax bacilli in the carpet-wool industry in the United States. Arch. Indus. Hyg. & Occup. Med. 6:421-434. Ref. Nov.1952. 449.8 Ar24

28147 MCLAURIN, J. F. Less regimentation seen for ginners under new regime. Cotton Gin & Oil Mill Press 54:18-19. Jan.3,1953. 304.8 C822

28148 MCLEOD, I. Wool production in the highlands of the South Island. Wool 1(5):17,19,21,23,25,35. 1952/53. 45.8 W887
New Zealand.

28149 MACMILLAN, W. G., CHAKRAVERTI, I. B., and PAL, P. N. Studies on tamarind kernel powder. III. Comparative potency of antiseptics used in jute sizing mixtures. J. Sci. & Indus. Res. 11B:438-446. Ref. Oct. 1952. 475 J82

28150 MARTIN, W. J. Cleaning upgrades cotton. Mktg. Activ. 15(10):10-12. Oct.1952. 1.942 A8M34
Cleaning equipment in gins.

28151 MELLONI, T. Maceration of hemp. (In Italian.) Agr. Ferrarese 56:158-159. July 31,1952. 16 Ag87

28152 MEULEMEESTER, D. DE, and others. La mesure de la perméabilité d'un échantillon de coton et son rapport avec la finesse gravimétrique et la maturité. II. Textielwezen 8(12):25-26,28-29,31-34,36. Dec.1952. 304.8 T3147
T. Fransen, L. Tison, and G. Raes, joint authors.

28153 MILLARD, F. Yarns of nylon staple admixed with animal fibres. Bradford Textile Soc. J. 1951/52: 83-88. 304.9 B72
Includes discussion.

28154 MONTGOMERY, B. Ramie in the Philippines. Plowman 9:6-9,49. July/Aug.1952. 276.8 P72
The industry.

28155 MONTGOMERY, R. G. Importance of farm woolshed workmanship. New Zeal. J. Agr. 85:274-275, 277,279,281-282. Oct.15,1952. 23 N48J
Wool handling and quality in New Zealand.

28156 MOOLMAN, J. H. La laine en Afrique du Sud. Rev. Internatl. des Prod. Colon. 27:180-181. Oct. 1952. 286.8 R326
The industry.

28157 MOULTON, A. V. Some interesting aspects of the wool trade. Wool 1(5):67-68. 1952/53. 45.8 W887
Auction system in New Zealand.

28158 NANJUNDAYYA, C. Technological reports on standard Indian cottons, 1951. Indian Cent. Cotton Comt. Technol. Lab. Technol. B. Ser. A 79,88 p. Apr. 1952. 72.9 In2332A

28159 NAVARRA, V. Hemp in the past year. (In Italian.) Agr. Ferrarese 56:35-37. Feb.29,1952. 16 Ag87

28160 NEWELL, W. A. Survey shows carding research benefits mills. Textile Forum 9(4):37-38. Oct. 1952. 304.8 T3191
Cotton.

28161 ORR, C. W. Review of the past season in wool. Amer. Angora News 5(8/9):1-2. Aug/Sept.1952. 40.28 Am32
Angora rabbit wool.

28162 OWEN, D. E. Kirkstall Abbey and the wool trade. Bradford Textile Soc. J. 1951/52:52-53. 304.9 B72

28163 PADILLA, E. Algunas consideraciones sobre el algodón. Rev. de Econ. 15:319-322. Oct.1952. 280.8 R3293
Situation and outlook.

28164 PARFENOV, D. L. On the breaking off of flax yarn. (In Russian.) Tekstil'. Promysh. 12(4):34-35. Apr.1952. 304.8 T23

28165 PATTERSON, R. The story of wool. Bradford Textile Soc. J. 1951/52:46-51. 304.9 B72

28166 PEEL, R. King cotton. Good Husb. 3:18-19. Sept.1952. 24 G59
The situation in Southern Rhodesia.

28167 PELTZER, A. The future of the European wool textile industry. Bradford Textile Soc. J. 1951/52: 73-76. 304.9 B72
Includes discussion.

28168 PLATT, M. M., KLEIN, W. G., and HAMBURGER, W. J. "Mechanics of Elastic Performance of Textile Materials". Supplement to part IX. Textile Res. J. 22:827-829. Dec.1952. 304.8 T293

28169 PRESTON, J. M. Fibre-moisture relations. Textile Indus. & Fibres 13:387-389. (Cont.) Dec.1952. 304.8 F16

28170 PUBLICITY stunt or public relations program? Farm Mangt. 2:33-34,36-37. Nov./Dec.1952. 281.8 F2225
National Cotton Council.

28171 PUIG, J. B. La viscosilla y demás fibras cortadas requieren un proceso maquinal de hilatura apropiado. Textil (ser.2)104:30-32. Sept.1952. 304.8 T3137

28172 QUIG, J. B. Fiber expert reviews synthetic fibers and answers the question: why five fibers? Textile Forum 9(4):33-34,44. Oct.1952. 304.8 T3191

28173 RAU, J. Ueber den nachweis von oxy- und hydrozellulose bei zellwolle. Textil-Praxis 7:902-905. Nov.1952. 304.8 T3143

28174 RHODES, R. U.K. textile industry turns optimist: considers "slump is over." Cotton & Textiles J. 11(10):33-35. Sept.1952. 304.8 C825

28175 ROBERTS, A. A. The price premium and wool-classing. Wool 1(5):9,11. 1952/53. 45.8 W887

28176 ROBERTS, G. P. The selling brokers' viewpoint. Wool 1(5):66,70. 1952/53. 45.8 W887

28177 SÃO PAULO. SECRETARIA DA AGRICULTURA. Minimum prices for cotton of the 1952/53 season (In Portuguese.) Agr. em São Paulo 2(9):1-9. Sept. 1952. 9.2 Ag823

28178 SCAVONE, G. Cotton culture in Sicily 1952. (In Italian.) Riv. dell'Indus. Tessile Coton. 6:848-849. Dec.1952. 286.3729 Is7N
Situation and policy.

28179 SCHENKEL, E. Ueber die garnfestigkeit—gemessen an einzel- und strangreisswerten. Textil-Praxis 7:875-878. Ref. Nov.1952. 304.8 T3143

28180 SCHWARTZ, W. Untersuchungen über die gewinnung der faser von Boehmeria nivea Hook et Arn. Angew. Bot. 26:138-146. Aug.1952. 450 An4

28181 SHULESHKO, I. S. Utilization of combing machines covered with an all-metal serrated shaft for processing fine-fiber cotton. (In Russian.) Tekstil'. Promysh. 12(6):9-10. June 1952. 304.8 T23

28182 SIVACHEV, V. N. Processing of low grade cotton at Yakhroma factory. (In Russian.) Tekstil'. Promysh. 12(9):36. Sept.1952. 304.8 T23

28183 SLUTSKOV, I. K. On the process of combing short flax fiber. (In Russian.) Tekstil'. Promysh. 12(9): 18-22. Sept.1952. 304.8 T23

28184 SMITH, C. S. An artist in cloth. Farmers Wk. [London] 37(26):40-41,43. Dec.24,1952. 10 F2226
Spinning and weaving homespun cloths in a quiet Welsh valley.

28185 SOKOLOV, G. V. Against erroneous ideas on the formation of yarn and twisted thread. (In Russian.) Tekstil'. Promysh. 12(9):22-26. Sept.1952. 304.8 T23

28186 SOMMERVILLE, D. W. Pre-ginning cleaning machinery and kindred matters. Empire Cotton Growing Rev. 30:34-36. Jan.1953. 72.8 Em7

28187 SPEAKMAN, J. B. The reactivity of protein fibres: some analogies between keratin and collagen. Soc. Leather Trades' Chem. J. 36:303-304. Oct.1952. 303.9 So12

28188 SPOHR, W. The deterioration of wool. (In Portuguese.) Lanificios 3:241-247,278-282,295-298. Oct.-Dec.1952. 45.8 L26

28189 STEELE, R. Recent developments in the structure of keratin fibers. Soc. Cosmetic Chem. J. 3: 99-107. Ref. Aug.1952. 449.9 So12

28190 STORY, L. F. Bluestone absorbed by wool affects processing. New Zeal. J. Agr. 85:501,503. Dec. 1952. 23 N48J

28191 TALKS on rayon and synthetic fibres. Ed. 3, rev. Manchester, Eng., Cotton and Rayon Merchants Assoc., 1951. 155 p. 304 T14

28192 TATTERSALL, F. W. Raw cotton supplies and consumption. Empire Cotton Growing Rev. 30:42-48. Jan.1953. 72.8 Em7

28193 TAYLOR, B. H. Kenaf comes to Canada. Canad. Milling & Feed 33(10):13-14,16. Oct.1952. 298.8 C162

28194 TREGUBOVA, B. L., and NEMTSOV, D. A. Economic effectiveness of flax combing. (In Russian.) Tekstil'. Promysh. 12(6):3-5. June 1952. 304.8 T23

28195 TROTTER, C. The future for wool. Ruakura Farmers' Conf. Week. Proc. 1951:159-174. 49.9 R82

28196 U. S. PRODUCTION AND MARKETING ADMIN. Fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1952 (supplement No. 1). Washington, 1952. 13 p. 1.9422 C8R3

28197 U. S. PRODUCTION AND MARKETING ADMIN. Fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1952 (supplement No. 2). Washington, 1952. 17 p. 1.9422 C8R3

28198 URAZOV, N. KH. On classifying cotton yarn. (In Russian.) Tekstil'. Promysh. 12(6):25-26. June 1952. 304.8 T23

28199 VANCE, J. W. Women and wool. Natl. Wool Grower 43:27-28. Jan.1953. 45.8 N21N
Public relations in the industry.

28200 VANCE, J. W. Women and wool. Sheep & Goat Raiser 33(4):36-38. Jan.1953. 45.8 Sh3
Public relations.

28201 VAN WYK, C. M. Quality is important in Merino wool. Farming So. Africa 27:476,482. Oct.1952. 24 So842

28202 VINOGRADOV, A. Production of high quality flax fiber. (In Russian.) Kolkhoz. Proizvodstvo 12(7):22-23. July 1952. 281.8 K83
Processing chiefly.

28203 WALLIS, F. R. The processing of slipe wools over the years. (Extr.) Wool 1(5):61,63,69. 1952/53. 45.8 W887

28204 WEATHERBURN, A. S., and BAYLEY, C. H. The sorption of synthetic surface-active compounds by textile fibers. Textile Res. J. 22:797-804. Ref. Dec. 1952. 304.8 T293

28205 WILKINS, F. B. The fluctuating moisture content of greasy wool. Wool.1(5):31,33. 1952/53. 45.8 W887

28206 WILSON, H. The processing of cotton into yarn. Indian Textile J. 63(746):80-83. Nov.1952. 304.8 In2

28207 WINGATE, I. Textile fabrics and their selection. Ed. 3. New York, Prentice-Hall, 1952. 640 p. Ref. (Prentice-Hall Retailing Series) 304 W722
Includes discussion of fibers.

28208 WOOD, F. C. Non-felting wool and wool mixtures. Soc. Dyers & Colour. J. 68:485-495. Ref. Dec. 1952. 306.9 So1

28209 WOOL BUR. Suggested research and development studies for the woolen and worsted industry with notes on current research; 1951 supplement. New York, 1951. 8 p. 304 W888

28210 WOOL fibres—a study of various aspects. Textile Mfr. 78:656-660. Ref. Dec.1952. 304.8 T3126

28211 WRIGHT, F. Wanderings in wool. Bradford Textile Soc. J. 1951/52:18-24. 304.9 B72
The industry.

28212 ZUCCHINI, M. The hemp crisis. (In Italian.) Agr. Ferrarese 56:2-4. Jan.31,1952. 16 Ag87

28213 ZUCCHINI, M. Let's save the hemp. (In Italian.) Agricoltura 1(10):17-24. Oct.1952. 16 Ag8226
English summary.
Italy.

FRUITS, VEGETABLES, AND NUTS

28214 ABBISS, H. W. French broccoli compared with Cornish. Grower [London] 39:51-52. Jan.3,1953. 286.83 M34
The industry in Great Britain.

28215 BAUMANN, J. Süssmost in jeden haushalt! Pflanze u. Gart. 2(10):24-25. Oct.1952. 80 P48

28216 CHARNECO, H. La producción y manipulación del guineo para el mercado. Rev. de Agr. P. R. 43: 239-245. Jan./June 1952. 8 R325

28217 CLINGAN, G. F. The seed potato industry. Foreign Trade 12(292):4-5. Aug.2,1952. 286.8 C162
Canada.

28218 DALMASSO, G. Apotheosis of the grape at Piacenza. (In Italian.) Agricoltura 1(10):33-35. Oct. 1952. 16 Ag8226

28219 DALMASSO, G. Grapes and fruit before the footlights; the National Table Grapes Show at Piacenza and the Fruit and Grapes Show at Turin. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:397-399. Oct.1952. 16 C72

28220 DASSLER, E. Perspektiven für die neue apfelsinensaison. Obst u. Gemüse 4:1135-1136. Nov.13, 1952. 286.83 Ob72
Germany.

28221 DEKKER, P. Ripening citrus fruit under Spanish skies. (In Flemish.) Cult. en Handel 18:628-631. Nov.1952. 80 C892
The industry.

28222 DITGES, H. Verbandsbetreuung, ein gewandelter begriff. Obst u. Gemüse 4:1089-1091. Oct.30,1952. 286.83 Ob72
German fruit and vegetable industry.

28223 FARRAR, L. D. Economic outlook for 1953. Amer. Fruit Grower 73:33,60-62. Jan.1953. 80 G85
Fruit and vegetables.

28224 FEAY, E. Big potato acreage boost seen. West. Grower & Shipper 24(2):13-14. Jan.1953. 280.38 W52

28225 FRANCISCO, D. L. The industrialization of the coconut. Agr. & Indus. Life 14(11):2-3. Nov.1952. 25 Ag8
The industry in the Philippines and utilization of the coconut.

28226 HANCOCK, B. G. The pecan industry, yesterday, today and tomorrow. Peanut J. & Nut World 32(3): 44-46. Jan.1953. 77.8 P313

28227 HIEMELEERS, J. Even figures. Possibilities in the sector "Fruit." (In Flemish.) Tuinbouwberichten 16:145-146. Oct.15,1952. 80 T817

28228 HILLMAN, R. Have cranberries a future in Ontario? Farmer's Mag. 49(12):14,17. Dec.1952. 7 C165

28229 HOLLEMAN, L. W. J., GOETHALS, C. A., and SOENARTO, R. A simple remilling process for tapioca. J. Sci. Res. 1:130-134. May 1952. 475 J822

28230 JANY, W. Aschenbrödel kartoffel. Deut. Landwirt. Presse 75:313-314. Dec.6,1952. 18 D482
The industry.

28231 MCCUE, G. A. The history of the use of the tomato: an annotated bibliography. Mo. Bot. Gard. Ann. 39:289-348. Nov.1952. 451 M69

28232 NEGRE, E. Au sujet d'une récente mesure favorable aux jus de raisin. Prog. Agr. et Vitic. Jan.4/11, 1953:20-23. 14 P94
France.

28233 PAUL, J., and ROCHE, H. W. Celery, carrots take spotlight in California production areas. West. Grower & Shipper 24(2):10-12. Jan.1953. 280.38 W52

28234 SCHREIBER, W. R. Foreign walnut productior large. Calif. Fruit News 126(3361):4-5. Dec.6,1952. 30 C12

28235 SCHREIBER, W. R. India cashew crop revised upward. Calif. Fruit News 126(3364):9. Dec.27, 1952. 80 C12

28236 U. S. DEPT. OF AGRICULTURE. 1953 production goals program; spring vegetables. Washington,1952. 33 p. 1.90 A2On22

28237 U. S. DEPT. OF AGRICULTURE. 1953 production goals program; winter vegetables. Washington,1952. 22 p. 1.90 A2P9442

28238 WIEHLER. Der niedersächsische konservengemüseanbau 1952. Hannoversche Land- u. Forstwirt. Ztg. 105:1215. Nov.29,1952. 18 H194

Analysis and Composition

28239 ANDERSON, E. E., and FAGERSON, I. S. Frozen orange concentrate undergoes laboratory test. Res. Rev. [Mass. Sta.] 1(2):11. July 1952. 100 M38R

28240 BEREZNEGOVSKAIA, L. N. Chemical composition of some Michurinite and Middle-Russian apple varieties which are cultivated under conditions of the City of Tomsk. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:235-242. Ref. 1951. 511 T59

28241 BLINKOV, G. N. Chemical composition of Siberian fruit and berry crops. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuibysheva. Trudy 114:227-234. 1951. 511 T59

28242 BLONDEL, L. Détermination du point de maturité des jus d'agrumes. Soc. des Agr. d'Algérie. B. 96:253-266. 1951/52. 24 So1

28243 CALABUIG Y CALABUIG, J. Exaltación de la fruta. II. Ceres [Valladolid] 17(196):27,29,31. Oct. 1,1952. 15 C33
Composition and nutritive value of various fruits.

28244 COGLEY, J. R. Objective methods for measuring the quality of processed fruits. Canning Trade 75(26):10-11,21. Jan.12,1953. 286.83 T67

28245 DECKERT, R. Der siegeszug der aguacatefrucht. Übersicht 3(10):65-66. Oct.1952. 18 Ub3
Composition.

28246 DELINDATI, G. Vitamin content of tomatoes and tomato products; determination of vitamin PP by biological method. (In Italian.) Indus. Ital. delle Conserve 27:9-12. Ref. Jan./Feb.1952. 389.8 In23

28247 ENDO, J., MATUHISA, K., and UEMURA, M. Research on bitter substance in root of Pueralia hirsuta Matum. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:9-10. Sept 1952. 389.9 T57
Analysis.

28248 GEISE, C. E. Influence of objective quality factors on subjective evaluation of canned sweet corn. Food Technol. 7:15-20. Ref. Jan.1953. 389.8 F7398

28249 GROVER, D. W. The physical chemistry of pectin jelly formation. Chem. & Indus. 50:1216-1217. Dec.13,1952. 382 M31C

28250 GRUNWALD, O. Descripción y composición de las frutas de la sarrapia venezolana (Coumarouna punctata) en consideración con un nuevo proceso de aprovechamiento. Agron. Trop. [Maracay] 2:31-40. Ref. Apr./June 1952. 26 Ag87

28251 HOFFMANN, S. Untersuchengen von rohen frucht- und gemüsesäften. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:261-293. Ref. 1952. 389.9 Sw6

28252 KIMURA, S., and SHIBATA, T. Studies on the color of tomatoes. I. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:18-19. Sept.1952. 389.9 T57

28253 KRISHNAMURTHY, K., and VENKITASUBRAHMANYAN, T. A. Separation and identification of sugars in fruits by circular paper chromatography. Cur. Sci. 21:278. Oct.1952. 475 Sci23

28254 MAKOWER, R. U., and others. Comparison of methods for measuring the maturity factor in frozen peas. Food Technol. 7:43-48. Ref. Jan.1953. 389.8 F7398
M. M. Boggs, H. K. Burr, and H. S. Olcott, joint authors

28255 NATARAJAN, C. P., and MACKINNEY, G. Carotenoid pigments of orange juice. J. Sci. & Indus. Res. 11B:416-418. Oct.1952. 475 J82

28256 PILNIK, W., and ROTHSCHILD, G. Studies on the pectase activity of tomatoes. Israel. Res. Council. B. 2:135-137. Sept.1952. 330.9 Is72B

28257 ROSENHECK, K., and others. Chemical studies on tomatoes grown in Israel. Israel. Res. Council. B. 2:129-134. Sept.1952. 330.9 Is72B
W. Pilnik, J. Monselise, J. Gueron, and S. Haber-Scheim, joint authors.

28258 RYGG, G. L. Association of sulfur content with acidity and quality in dates. Date Growers' Inst. Rpt. 29:16-17. 1952. 81 D26

28259 SOLMS, J., BÜCHI, W., and DEUEL, H. Untersuchungen über den pektingehalt einiger traubenmoste. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:303-307. Ref. 1952. 389.9 Sw6

28260 SUDER, H. B., and DODDS, M. L. Influence of light on stability of reduced ascorbic acid in extracts of vegetables. Food Res. 17:511-517. Nov./Dec.1952. 389.8 F7322

28261 TIMBERLAKE, C. F. The content of arsenic, copper, iron, lead and zinc in apples, juices and ciders. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:160-164. 1952. 84 B77

28262 WILLIAMS, B. L., and WENDER, S. H. The isolation and identification of kaempferol and quercetin from strawberries (Fragaria chiloensis). Amer. Chem. Soc. J. 74:5919-5920. Dec.5,1952. 381 Am33J

Consumption and Utilization

28263 FITZPATRICK, R. A. Potato consumption hits 40,000,000 mark. Res. Rev. [Mass. Sta.] 1(2):6-7. July 1952. 100 M38R

28264 FULLER, V. Date consumption and consumer buying. Date Growers' Inst. Rpt. 29:17-19. 1952. 81 D26

28265 HADDOCK, D., and HERNÁNDEZ, L. Consumer preferences for taniers (Xanthosoma spp.) in Puerto Rico, 1949-1950. P. R. (Rio Piedras). Agr. Expt. Sta. B. 103,31 p. Apr.1952. 100 P83

28266 HADDOCK, D., and HERNANDEZ, L. Consumer preferences for taniers (Xanthosoma spp.) in Puerto Rico, 1949-50; important facts and figures. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 16,32 p. Jan.1952. 100 P83Es

28267 NEIGHBOR, H., FLETCHER, M. G., and ALLEN, G. E. Consumer buying of vegetables. Kans. State Col. Agr. Ext. L. 17,4 p. Apr.1952. 275.29 K13Le

28268 U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer buying practices for selected fresh fruits, canned and frozen juices, and dried fruits, related to family characteristics, region, and city size, October 1951 - March 1952. Washington,1952. 46 p. 1.941 M8C76
U. S. Production and Marketing Administration cooperating.

28269 U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer fruit and juice purchases, July-Sept. 1952, by regions and type of retail outlet. Washington,1952. 61 p. 1.941 M3R26
U. S. Production and Marketing Administration cooperating.

28270 U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer purchases of fruits and juices in October 1952. Washington,1952. 16 p. 1.941 M3C762
U. S. Production and Marketing Administration cooperating.

Distribution, Marketing, and Transportation

28271 ARMSTRONG, P. S. The Sunkist story. Amer. Coop. 24:196-199. 1952. 280.29 Am3A

28272 ARNESON, A. Marketing of greenhouse and garden products. (In Norwegian.) Gartneryrket 42:845-846. Dec.6,1952. 80 G1938

28273 BAKER, C. K., and QUINN, O. B. Marketing systems and procedures for Louisiana strawberries. La. Agr. Expt. Sta. Mimeog. C. 142,33 p. Sept.1952. 100 L935

28274 BLACK, G. Market controls in the California grape industry, an evaluation. Chicago,1951. 320 p. 281.395 B56
Thesis - University of Chicago.

28275 BLISS, J. R. Merchandising dry beans on a national basis. Amer. Coop. 24:536-537. 1952. 280.29 Am3A

28276 BRIXNER, F. Obstversteigerung—ein weg genossenschaftlicher selbsthilfe. Obst u. Gemüse 4: 1059. Oct.16,1952. 286.83 Ob72
Germany.

28277 BRYANT, H. E. Merchandising fresh cranberries. Amer. Coop. 24:497-501. 1952. 280.29 Am3A

28278 BUTTERWORTH, J. D. The Chicago wholesale fresh fruit and vegetable market. J. Mktg. 17:291-294. Jan.1953. 280.38 J82

28279 CALIFORNIA ALMOND GROWERS EXCHANGE. General manager's annual report to the membership fiscal year ended June 30, 1952. Almond Facts 17(6):1, 5-8. Nov./Dec.1952. 280.28 AL62

28280 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Marketing Kern County potatoes, by D. N. Wright. Berkeley?1951. 16 p. 275.29 C12M

28281 CAMERON, J. W., and SOOST, R. K. Kara mandarin as a fresh fruit for the late spring market. Citrus Leaves 33:9,30-31. Jan.1953. 80 C492

28282 CARPENTER, G. A. Bargaining associations in the processed vegetable industry. Amer. Coop. 24: 419-427. 1952. 280.29 Am3A

28283 CITRUS FRUIT JUICE CONTROL ADVISORY COMMITTEE. Citrus Fruit Juice Control; history of the Control, 1941-1950. London,1951. 55 p. 389.69 C49

28284 COMIN, D. C. Newer marketing and selling methods stimulate interest in potato storage. Ohio Farm & Home Res. 37:90-92. Nov./Dec.1952. 100 Oh3S

28285 COMMITTEE OF DIRECTION OF FRUIT MARKETING. C.O.D. annual report 1951-1952. Queenland Fruit & Veg. News 2(47):10-12; (49):2-4. (Cont.) Oct.3,17,1952. 280.38 Q3

28286 CRAVENS, M. E. Selling Michigan apples. Mich. Agr. Expt. Sta. Spec. B. 382,30 p. Oct.1952. 100 M58S

28287 DALRYMPLE, D. Selling the 1952 apple crop. Amer. Agr. 149:725,741. Dec.6,1952. 6 Am3

28288 DARROCH, W. Apple pooling, efficient in netting best and fairest returns. Country Life [Vernon], Dec.1952:7,10,22. 7 C832

28289 DEHMEL, A. Praktische winke beim einkauf und der verarbeitung von haselnuss- und walnusskernen, mandeln usw. Zucker- u. Süsswaren-Wirt. 5:818-819. Oct.20,1952. 286.86 Z8

28290 DREISEITL. Vorteile einer obstabsatzgenossenschaft. Salzburger Bauer 7(48):5. Nov.27,1952. 19 Sa3

28291 EBELING. Handelsübliche speisekartoffeln. Steuer u. Recht 21:81-83. In Ernährungsdienst 7(127). Nov.1,1952. 389.8 Er62
Marketing in Germany.

28292 FELDHUSEN, J. S. The next step in cooperative bean marketing. Amer. Coop. 24:519-521. 1952. 280.29 Am3A

28293 FLORIDA. STATE MARKETING BUR. Annual fruit and vegetable report; production, transportation and marketing analysis, 1951-52 season, by F. H. Scruggs. Jacksonville,1952. 122 p. 280.39 F662A
Statistics.

28294 FORD, K. E. Vegetable marketing in nine South Georgia counties, 1950. Ga. Agr. Expt. Sta. Mimeog. Ser. 42,47 p. Apr.1952. 100 G29M

28295 KIGER, H. C. Selected industry-wide fruit marketing programs. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 167,54 p. May 1952. 166.3 M68

28296 KLAHRE, J. E. What we have learned about the marketing of processed fruit. Amer. Coop. 24:513-516. 1952. 280.29 Am3A

28297 LAVIGNE, N. F. True value of early and midseason oranges first revealed by Mutual. Citrus Mag. 15(4):26-27. Dec.1952. 80 C498

28298 PAARDEKOOPER, M. The internal transport of fruit at fruit auctions. (In Dutch.) Groenten en Fruit 8:347-348. Nov.20,1952. 80 G89

28299 PAULI, H., and HOECKER, R. W. Better utilization of selling space in food stores. I. Relation of size of shelf display to sales of canned fruits and vegetables. U. S. Dept. Agr. Mktg. Res. Rpt. 30,29 p. Nov. 1952. 1 Ag84Mr

28300 REENEN, R. M. VAN. Die veiling, erzeuger rufen den wettbewerb. Früchte u. Gemüse Markt 4(42, sup.):18-30. Oct.17,1952. 286.83 F9425
Netherlands.

28301 ROGERS, A. J. Our experience in cooperative selling. Amer. Coop. 24:505-508. 1952. 280.29 Am3A
Cherries.

28302 SADD, C. W. Cooperatives and competition for shelf space. Amer. Coop. 24:509-512. 1952. 280.29 Am3A
Processed fruit and vegetables.

28303 SAMMET, L. L. Efficiency in fruit marketing; in-plant transportation equipment for fresh fruit packing houses compared for seasonal cost and efficiency. VI. Calif. Agr. [Calif. Sta.] 6(11):11-12. Nov.1952. 100 C12Cag

28304 SAMUELS, J. K. An appraisal of the fruit and vegetable cooperative picture. Amer. Coop. 24:487-496. 1952. 280.29 Am3A

28305 SAMUELS, J. K. Merchandising fruits & vegetables core of co-ops success. News Farmer Coop. 19(10):10-11. Jan.1953. 166.2 N47

28306 SCHOMER, H. A., SHOWALTER, R. K., and REUBELT, V. A. Air shipment of prepackaged sweet corn from Florida. Pre-Pack-Age 6(5):11-13. Jan. 1953. 280.38 P91

28307 SCOVILLE, G. P., and others. Experiences of Hudson Valley farmers in the marketing of their apples. N. Y. Agr. Col. A. E. 815,77 p. Dec.1952. 281.9 C81
F. Pringle, J. Sistek, and R. Mezei, joint authors.

28308 SCRUGGS, C. G. Cure for marketing headaches. Prog. Farmer, Tex. Ed. 68:18,85. Jan.1953. 6 T311
Vegetable marketing.

28309 SCRUGGS, C. G. East Texas' vegetable headaches. Prog. Farmer, Tex. Ed. 67(12):18,122. Dec.1952. 6 T311
Marketing problems.

28310 SHAY, F. M. Consumers must be told of nutritive value of fruits. Sunsweet Standard 36(6):4-5. Nov.1952. 286.83 Su7

28311 SUNKIST, model for marketing. Farm Mangt. 2:17-23. Nov./Dec.1952. 281.8 F2225

28312 TENNANT, J. L., and others. Cost of handling Florida and Texas citrus fruits in fresh and processed form, 1950-51. Fla. Agr. Expt. Sta. Spec. Rpt. Agr. Econ. Ser. 52-5,59 p. June 30,1952. 281.9 F663
H. B. Sorenson, C. K. Baker, and J. K. Samuels, joint authors.

28313 U. S. PRODUCTION AND MARKETING ADMIN. Fruits and juices availability in retail stores, August 1952. Washington,1952. 30 p. 1.956 F94Av1

28314 THE USE of refrigerator cars in European fruit and vegetable transport. Internatl. Fruit World Autumn 1952:97,99,101,103-104,107,109. 286.83 F9426
Text also in German and French.

28315 VUILLECARD, M. La coopérative de framboises de Machilly, en Haute-Savoie. Génie Rur. 45:350-352. Dec.1952. 58.8 Au8

28316 WINSTON, J. R., and KAUFMAN, J. Rail refrigeration tests with Florida citrus: a comparison of refrigerator cars. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 282,14 p. Oct.1952. 1.9 P772Ht

28317 WINSTON, J. R., and others. Rail refrigeration tests with Florida citrus, May 1951. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 280,44 p. Sept.1952. 1.9 P772Ht
R. Cubbedge, H. W. Hruschka, and G. A. Meckstroth, joint authors.

28318 WINSTON, J. R., and others. Rail refrigeration test with Florida citrus—November, 1950. Citrus Indus. 32(12):13-15,18. (Cont.) Dec.1952. 80 C49
R. Cubbege, H. W. Hruschka, and G. A. Meckstroth, joint authors.

28319 WINSTON, J. R., and others. Rail refrigeration test with Florida citrus—November, 1950. Citrus Indus. 34:13-15,inside back cover. (Concl.) Jan.1953. 80 C49
R. Cubbege, H. W. Hruschka, and G. A. Meckstroth, joint authors.

28320 WOOG. Quelques aspects des conditions économiques de la commercialisation des agrumes. Soc. des Agr. d'Algérie. B. 96(565):167-177. 1952. 24 So1

Grading, Inspection, Standardization, and Quality

28321 ARMENTROUT, W. W. Some customers pay no attention to bruises on apples. W. Va. Agr. Expt. Sta. B. 357(1):7. Sept.1952. 100 W52

28322 BEAR, P. K. Combined apple grades seem to be popular. Grower [London] 39:39,41. Jan.3,1953. 286.83 M34
Great Britain.

28323 BENVEGNIN, L., CAPT, E., and MICHOD, J. Essais d'identification du gout métallique des jus de raisin. Landwirt. Jahrb. der Schweiz 66:1129-1140. 1952. 17 L23

28324 CHANDLER, F. B. Relation of different methods of expressing size of cranberries. Cranberries 17(9):10,12. Jan.1953. 80 C852

28325 CHILDRESS, R. L. External grade qualities of potatoes in retail stores; New York City, Philadelphia and Boston, January-February 1948. N. Y. Agr. Col. A. E. 837,118 p. Aug.1952. 281.9 C81

28326 CHOOSING a practical method for evaluating tomato color. Canner 115(26):14-15,24. Ref. Dec.27, 1952. 286.83 C16

28327 DARLEY, E. F., and others. Report on date fruit spoilage. Date Growers' Inst. Rpt. 29:4-5. 1952. 81 D26
D. L. Lindgren, L. E. Vincent, and W. D. Wilbur, joint authors.

28328 FOOD TECHNOLOGY ASSOCIATION OF NEW SOUTH WALES. TOMATO PULP STANDARD SUB-COMMITTEE. Colour of tomato pulp; second report. Food Technol. Austral. 4:201,203. July 1952. 389.8 F7333

28329 HOTZ, E., and LÜTHI, H. Bericht über die bisherigen versuche mit sortenreinen äpfel- und birnsäften. Schweiz. Z. f. Obst- u. Weinbau 61:457-459. Nov.1,1952. 80 Sch9
Quality.

28330 LUTZ, J. M., EDGAR, A. D., and GLAVES, A. H. Reducing injuries in grading stored potatoes. Amer. Potato J. 29:234-240. Oct.1952. 75.8 P842

28331 MINNESOTA DEPT. OF AGRICULTURE, DAIRY AND FOOD. Seed potatoes which have met the field inspection tolerances for certification, 1952. St. Paul,1952. 37 p. 75.9 M662

28332 MITCHELL, R. S., and LYNCH, L. J. The maturometer, an instrument for the objective assessment of maturity in canning peas. Food Technol. Austral. 4:195-196. July 1952. 389.8 F7333

28333 OSA, K. Sorting rules for fruit. (In Norwegian.) Norsk Hagetid. 68:210-211. Dec.1/15,1952. 80 N81

28334 RASMUSSEN, A. Small or big apples. (In Danish.) Erhvervsfrugtavleren 19:32-34. Nov.1,1952. 80 Er3

28335 RICE, W. S. Wide variation in quality of dried peaches noted; 7,000 tons possible. Sunsweet Standard 36(6):12,14. Nov.1952. 286.83 Su7

28336 SMITH, O. Grading potatoes for mealiness. Pre-Pack-Age 6(5):24-25,29. Jan.1953. 280.38 P91

28337 STENDER, J. A., and LOGCHER, C. Cooperative grading of tomatoes in England. (In Dutch.) Groenten en Fruit 8:323. Nov.13,1952. 80 G89

28338 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned grapefruit. Washington,1952. 13 p. 1.9 Ec792Gj
Supersede standards in effect since Jan. 1, 1943.

28339 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned whole kernel (or whole grain) corn. Washington,1952. 11 p. 1.956 A2Un348
Supersedes standards in effect since Dec. 1, 1932.

28340 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen apples. Washington,1952. 8 p. 1.9422 Fr5Ap54
Supersede standards in effect since Aug. 1, 1945.

28341 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen leafy greens (other than spinach). Washington,1952. 8 p. 1.956 A2Un377

28342 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen lima beans. Washington,1952. 9 p. 1.942 V32L62
Supersedes standards that have been in effect since Mar. 15, 1945.

28343 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of processed raisins. Washington,1952. 15 p. 1.942 F32R13
Supersede standards in effect since Oct. 15, 1946.

28344 WILDEMAN, H. A. Potatoes taken care of. (In Dutch.) Vakblad 6(42):15. Oct.24,1952. 286.28 V22
Regulation in the Netherlands.

Packing and Packaging

28345 ARONOW, W. A., and BRYAN, J. E. Prepackaging tomatoes. Pre-Pack-Age 6(4):11-14,16-18, 20-29. Dec.1952. 280.38 P91
Report of the Production and Marketing Administration of the Department of Agriculture.

28346 ARONOW, W. A., and BRYAN, J. E. Prepackaging tomatoes. U. S. D. A. Mktg. Res. Rpt. 20,58 p. Oct.1952. 1 Ag84Mr

28347 BÖMEKE, H. Vorsicht mit dem holzschutzmittel Osmol WB 4 im obstlager! Obstbauversring. Mitt. 6:184. Dec.1951. 85 J76
Apples.

28348 CAPEL, G. L. Sizing up costs for packing potatoes. News for Farmer Coop. 19(9):5-6. Dec.1952. 166.2 N47

28349 EMANUELE, F. Changes in cherries in sirup put up in containers with tin bands. (In Italian.) Indus. Ital. delle Conserve 27:47-49. Mar./Apr.1952. 389.8 In23

28350 HARVEY, E. M., and others. Transportation test with lemons and oranges in half-box size fiber board cartons from southern California to New York, July 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Rpt. 281,50 p. Sept.1952. 1.9 P772HT
E. P. Atrops, W. A. Radspinner, and H. W. Hruschka, joint authors.

28351 JENKINS, F. H. New machine cuts labor in lettuce packing. West. Grower & Shipper 24(2):30. Jan. 1953. 280.38 W52

28352 JUNE, R. I. Common faults in the packing of apples. New Zeal. J. Agr. 85:526-527. Dec.1952. 23 N48J

28353 MCCLEARY, H. R. Produce pre-packaging simplified. Grocergram 26(10):37-44. Oct.1952. 296 28 In2

28354 PANTIĆ, Ž. D. Storage for packing fruit and vegetables. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):21-22. Sept.1952. 21.5 V87

28355 RIVE GOMEZ, D. El uso de envases adecuados en el mercadeo de frutas y hortalizas frescas. Rev. de Agr. P. R. 43:231-233. Jan./June 1952. 8 R325

28356 RYGG, G. L., and MCCOY, W. W. Prepackaging brussels sprouts. West. Grower & Shipper 24:46-49. Dec.1952. 280.38 W52

28357 SCHOMER, H. A. Research studies prove merchandising value of prepackaging vegetables. West. Grower & Shipper 24(2):42-45. Jan.1953. 280.38 W52

28358 STOKES, D. R. Tomato prepacking economies. Mktg. Activ. 15(10):8-9. Oct.1952. 1.942 A8M34

28359 WINTER, J. C. Curds and weight. Mktg. Activ. 15(10):6-7. Oct.1952. 1.942 A8M34
Packing and shipping cauliflower.

28360 WOODWARD, H. C. Importance of apple bruising and how to prevent it. Maine. Agr. Expt. Sta. Mimeog. Rpt. 29,14 p. Oct.1952. 100 M28M
Packing and containers.

Prices, Price Control, and Rationing

28361 ARMSTRONG, M. M. Citrus prices. U. S. Bur. Agr. Econ. Agr. Prices Sup. 3,88 p. Nov.1952. 1.942 A8M58

28362 BRYANT, H. E. Comparing prices. Cranberry World 6(8):3-5. Dec.1952. 280.28 C85

28363 HOOS, S. The behavior of marketing margins on citrus fruits. J. Farm Econ. 34:912-915. Dec.1952. 280.8 J822

28364 KLUGE, T. O. Pricing short prune crop can affect future season. Sunsweet Standard 36(6):2-3. Nov.1952. 286.83 Su7

28365 LEE, W. A. Marketing margins for selected fresh fruits and vegetables sold in Pittsburgh, July 1950—January 1951. Pa. Agr. Expt. Sta. Prog. Rpt. 87,34 p. Sept.1952. 100 P381P

28366 NORSK FRUKTDYRKARLAG. Fruit prices and fruit import. (In Norwegian.) Gartneryrket 42:827-829. Nov.29,1952. 80 G1938

28367 U. S. BUR. OF AGRICULTURAL ECONOMICS. Grapefruit, lemons, and limes: season average price per box received by growers, by utilization groups and by methods of sale, by States, crop years, 1950-51 and 1951-52. U. S. Bur. Agr. Econ. Agr. Prices Sup. 2,4 p. Oct. 1952. 1.942 A8M58

Processing and Storage

28368 ADAMS, P. Producing true fruit flavors. Amer. Perfumer & Essential Oil Rev. 60:461-463. Dec. 1952. 308.8 Am3
Flavorings made from fruits.

28369 ALMGREN, K. Gurkinläggningar—pickles eller quickles? [Cucumber preserves—pickles or quickles?]. Svenska Inst. f. Konservforsk. P. 61,11 p. 1952. 389.9 Sv2

28370 AUSTRALIA. CANNED FRUITS BOARD. Twenty-sixth annual report for year 1951—52. Canberra, 1952. 27 p. 286.3939 Au7

28371 BEKIROV, U. I. Manufacture of grape juice in Uzbekistan. (In Russian.) Vinodel. i Vinograd. SSSR. 12 (5):60-61. May 1952. 95.8 V77

28372 BÖMEKE, H. Die obstläger nicht ausschwefeln, wenn bereits früchte darin sind! Obstbauversring. Mitt. 6:182-183. Dec.1951. 85 J76
Apples.

28373 BOVAY, E. La conservation de raisins de table au moyen d'anhydride sulfureux. Landwirt. Jahrb. der Schweiz 66:1083-1086. 1952. 17 L23

28374 CARAPELLE, E. Tomatoes and their processing in Sicily. (In Italian.) Indus. Ital. delle Conserve 27:13-16,21-27. Jan./Feb.1952. 389.8 In23

28375 CRANG, A., and STURDY, M. A comparison of some varieties of fruit preserved by bottling, canning and freezing. Progress report. I-II. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:193-206. 1952. 84 B77

28376 DELINDATI, G., and PELIZZIARI, A. Deacidification tests of tomato juice with ion exchange resins (preliminary note). (In Italian.) Indus. Ital. delle Conserve 27:50-54. Mar./Apr.1952. 389.8 In23

28377 EDWARDS, G. R. Chemical treatments assist potato storage. So. Austral. Dept. Agr. J. 56:131-132. Oct.1952. 23 So84
Growth retarding chemicals.

28378 EMANUELE, F. Production and preservation of fruit and vegetable juices. (In Italian.) Indus. Ital. delle Conserve 27:83-89. May/June 1952. 389.8 In23
English summary.

28379 ERIKA, K. An experiment on jellying of pectin in Delicious and Bobovac apples. (In Serbo-Croatian.) Biljna Proizvodnja 5:179-188. July/Aug. 1952. 64.8 B49
English summary.

28380 ESKEY, R. K., and others. High-density full flavor grape juice concentrate. U. S. Bur. Agr. & Indus. Chem. AIC-342,15 p. Sept.1952. 1.932 A2Ag82
C. S. Redfield, N. H. Eisenhardt, J. B. Claffey, and N. C. Aceto, joint authors.

28381 ETCHELLS, J. L., COSTILOW, R. N., and BELL, T. A. Identification of yeasts from commercial cucumber fermentations in Northern brining areas. Farlowia 4:249-264. Ref. Oct.1952. 450 F22

28382 FARLEY, A. J. Stericooling in South Carolina. N. J. State Hort. Soc. Hort. News 33:2569. Nov.1952. 81 N46
Peaches.

28383 FLEMMING, H. W. Obst- und gemüsevertung durch tiefkühlung. Kälte 5:228-230,232. Sept. 1952. 295.8 K122

28384 FRANCO, J. J. Plátanos tratados con ácido ascórbico. (Extr.) Agrotecnia 7:7-10. Sept./Oct.1952. 8 Ag825

28385 FRIEND, H. M. Sparkling apple juice and cider. Canad. Food Indus. 24:22-24. Jan.1953. 286.83 C166

28386 FRITZSCHE, R. Abnorme erscheinungen am lagerobst. Schweiz. Z. f. Obst- u. Weinbau 61:499-503. Nov.29,1952. 80 Sch9

28387 GRAHAM, R. P., BROWN, A. H., and RAMAGE, W. D. Double-drum dejuicing press makes pear waste usable. Canner 116(2):12-13,24. Jan.10, 1953. 286.83 C16

28388 GROSKREUTZ, K. A. Die kontrolle der mietentemperatur bei der kartoffellagerung. Deut. Landwirt. Gesell. Mitt. 67:849-850. Nov.13,1952. 18 N39

28389 HOLZ, W. Die wichtigsten krankheiten an lagernden äpfeln und ihre verhütung. Biol. Bundesanst. Braunschweig. Flugbl. O6,8 p. July 1952. 464.9 B833

28390 HUMMEL, F. Mietenklima und windeinfluss. Deut. Wetterdienst in der US-Zone. Ber. 32:44-47. 1952. 345 G313
Potato storage.

28391 JAEHNER, J. Vorsorge für den winter. Pflanze u. Gart. 2(10):21-23. Oct.1952. 80 P48
Fruit canning.

28392 JENNY, J. Les bases scientifiques de la conservation des jus sans alcool de raisin et de fruits à pépins sous pression d'acide carbonique; absorption, pression, concentration. Indus. Agr. et Aliment. 69:687-700. Ref. Sept./Oct.1952. 383 As7
English summary.

28393 JOUNEAU, L. R. A challenge to the candyman! Mfg. Confectioner 32(11):23-25. Nov.1952. 389.8 M31
Includes nut processing.

28394 KARNATZ. Die unterlagenanzucht im Bundesgebiet im spiegel der statistik. Obstbauversring. Mitt. 6:185-186. Dec.1951. 85 J76
Fruit.

28395 KIESER, M. E., and POLLARD, A. The effect of fruit storage on apple juice processing. II. Bristol. U. Agr. & Hort. Res. Sta. Annu. Rpt. 1951:188-192. 1952. 84 B77

28396 KLIČKOVIĆ, S. Obst- und gemüseverarbeitung in Jugoslawien. Obst u. Gemüse 4:1036-1037. Oct.16,1952. 286.83 Ob72

28397 KLOTZ, L. J., and DEWOLFE, T. A. Steam sterilization of citrus field and storage boxes. Citrus Leaves 32(12):20,35. Dec.1952. 80 C492
Control of Trichoderma lignorum.

28398 KÖRNER, W. Verbesserungen an kartoffelscheunen. Deut. Landwirt. Gesell. Mitt. 67:920-921. Dec.4,1952. 18 N39

28399 KREUTZ, W. Mietenklimaforschung und ihre praktische bedeutung. Deut. Wetterdienst in der US-Zone Ber. 32:48-52. 1952. 345 G313
Outdoor potato storage.

28400 KYZLINK, V., and HRUŠKA, E. Measurement of the heating capacity of fruit conserves and the feasibility of its utilization in preparing preserves. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. 25:279-296. Ref. Oct.1952. 19.5 C332C

28401 MCCREADY, R. M., and MCCOMB, E. A. Extraction and determination of total pectic materials in fruits. Analyt. Chem. 24:1986-1988. Dec.1952. 381 J825A

28402 MEDLEY, J. J. Export essentials: wider sense of individual responsibility needed in handling fruit from tree to ship. Citrus News 27:121,130. Sept.1952. 80 C494

28403 MÍAZDRIKOVA, M. N. Ways to arrange cabbage in storage. (In Russian.) Sad i Ogorod 10:56-57. Oct.1952. 80 Sa13

28404 MOORE, J. F. Pickling cucumbers in western Washington. Canner 115(25):12-15,22. Dec.20, 1952. 286.83 C16

28405 NEW FAST pea-freezing line; process continuous—viners to freezers in 20 min. Food Engin. 25: 118-121. Jan.1953. 389.8 F737
A flow chart.

28406 ØYEN, K. Transport problems in modern cold fruit storage houses. (In Dutch.) Gartneryrket 42: 763-767. Nov.1,1952. 80 G1938

28407 PANIĆ, M. How shall we complete the processing of grapes when the temperature is high during the fermentation period. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(14):23-24. Oct.1952. 21.5 V87

28408 PIÑERO, M., and SERRA, G. Estudio económico sobre la elaboración y enlatado de algunos productos agrícolas, Puerto Rico, 1946-47. P. R. (Rio Piedras). Agr. Expt. Sta. B. 101,21 p. Jan.1952. 100 P83
Costs and returns of fruit processing.

28409 POOL, J. G. Hydro-cooling tests on apples and other produce. Fruit & Veg. Rev. 14(9):18. Dec. 1952. 80 C1224

28410 PRZHEGORLINSKII, V. I. Drying melons in open air. (In Russian.) Sad i Ogorod 10:58. Oct.1952. 80 Sa13

28411 RADER, W. E. Diseases of stored carrots in New York State. N. Y. (Cornell) Agr. Expt. Sta. B. 889, 64 p. Ref. Oct.1952. 100 N48C

28412 RAO, P. B. R., BALAKRISHNAN, S., and RAJAGOPALAN, R. Spray drying of Indian gooseberry juice. Cur. Sci. 21:277. Oct.1952. 475 Sci23

28413 REYNEKE, J., and PIAGET, J. E. H. The use of bisulphites in the control of wastage in fresh grapes. Farming So. Africa 27:477-479. Oct.1952. 24 So842
During storage and transportation.

28414 SCHREIBER, W. R. Foreign dried fig production in 1952. Calif. Fruit News 126(3362):5,8-10. Dec.13,1952. 80 C12

28415 SEAL, H. L., and WOODIN, M. D. Commercial canning of fruits and vegetables in Louisiana, 1951. La. Agr. Expt. Sta. Mimeog. C. 133,7 p. June 1952. 100 G935

28416 SEELIG, R. A. Tests of effects of temperature and moisture on shelf life of fresh produce shows many old beliefs need revision. Fruit Teleg. 5(2):8-9. Summer 1951. 280.38 F942
Vegetables.

28417 SHERMAN, G. D., SEAGRAVE-SMITH, and SHAW, T. N. Passion fruit—crop with a future. Hawaii Farm Sci. [Hawaii Sta.] 1(1):1,6. Apr.1952. 100 H314
Frozen juice or concentrate.

28418 SHIOIRI, H., and HAGINUMA, S. Studies on jam and jelly makings. III. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:19-20. Sept.1952. 389.9 T57

28419 SIEWERT, S. W., DUPREE, W. E., and WOODROOF, J. G. Home methods of preserving Muscadine grapes. Ga. Agr. Expt. Sta. Mimeog. Ser. 37,11 p. Sept. 1951. 100 G29M

28420 SINGH, K. K., KAPUR, N. S., and MATHUR, P. B. Cold storage of brinjals. Indian J. Hort. 9(3):16-19. Sept.1952. 80 In2

28421 STEFANOVIĆ, R. Die möglichkeiten der einführung neuer arbeitsmethoden für die obstverarbeitung in Jugoslawien. Obst u. Gemüse 4:1029. Oct.16, 1952. 286.83 Ob72

28422 SWAMY, S. K., and NANDI, S. K. Active carbon from tamarind seed, match wood and tea waste. Indian Chem. Soc. J. Indus. & News Ed. 15:15-24. 1952. 385 In27A

28423 TENNANT, J. L. Assets of 33 citrus packinghouses, 1951. Fla. Agr. Expt. Sta. Spec. Rpt. Agr. Econ. Ser. 52-10,8 p. Nov.15,1952. 281.9 F663

28424 TURNQUIST, C. C. Harvesting and storing garden vegetables. Minn. U. Agr. Ext. Folder 172,8 p. June 1952. 275.29 M66Ex

28425 ULRICH, R., and PAULIN, A. Accélération de la maturation des poires Passe-Crassane par action combinée de la chaleur et de l'éthylène. Acad. d'Agr. de France.Compt. Rend. 39:663-664. Nov.5/12,1952. 14 P215Bc

28426 U. S. BUR. OF AGRICULTURAL ECONOMICS. Discrimination tests and preliminary preference ratings of frozen concentrates for lemonade. Washington,1952. 20 p. 1.941 H2L54

28427 U. S. PRODUCTION AND MARKETING ADMIN. Approximate processing seasons for locally grown vegetables. Washington,1952. 4 p. 1.956 F94Ap6

28428 U. S. PRODUCTION AND MARKETING ADMIN. Cold storage stocks of tree nuts, June 30, 1952. Rev. Washington,1952. 1 p. 1.956 T68C67

28429 VERBRUGGEN, A. Storage of cabbage. (In Flemish.) Cult. en Handel 18:636-637. Nov.1952. 80 C892

28430 VOGL, K. Über die verarbeitung von limonadenessenzen im betrieb. Branntweinwirtschaft 74:408-410. Nov.25,1952. 390.8 B7322

28431 WHITTENBERGER, R. T., and others. Studies on the processing of red cherries. I-II. Food Technol. 7:29-35. Ref. Jan.1953. 389.8 F7398
C. H. Hills, W. F. Robertson, and W. H. Case, joint authors.

28433 WOODIN, M. D., and SEAL, H. L. Sweet potato dehydration in Louisiana 1951-52 season. La. Agr. Expt. Sta. Mimeog. C. 144,12 p. Oct.1952. 100 L935

28434 WRIGHT, C. E. Quick cooling cuts fresh vegetable losses. Food Engin. 25:94-95. Jan.1953. 389.8 F737

28435 ZANZUCCHI, A., and DELINDATI, G. Research on the germicidal action of stearamine H on certain strains of lactobacillus in plate cultures and on its sterilizing power in tomato processing plants. (In Italian.) Indus. Ital. delle Conserve 27:1-8. Jan./Feb. 1952. 389.8 In23

Statistics

28436 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Jam,fruit, vegetables, pickles, sauces, condiments, etc. Austral. Bur. Census & Statis. Mfg. Indus. 19,9 p. Nov.4,1952. 271 Au72Ma

28437 COOK, A. C. Potato production pattern. Mktg. Activ. 15(11):6-7. Nov.1952. 1.942 A8M34
Statistics.

28438 ..DECKERT. Die citrus-welternte steigt weiter. Übersicht 3(10):76. Oct.1952. 18 Ub3
Statistics.

28439 DENMARK. STATISTISKE DEPT. Gartneri, erhvervsmaessigt havebrug og frugtavl 1950. Statistique sur l'horticulture et des cultures fruitières commercialisées de 1950. København,1952. 100 p. 257.1 St2M
Table of contents also in French.

28440 GROWERS ADMIN. COMMITTEE. Marketing policies—Florida citrus, 1952-53 season. Winter Haven, 1952. various pagings. 280.3939 Sh6F
Shippers Advisory Committee, cooperating.
Statistics.

28441 HENSCHKE. Baumzählung in Hessen—das wichtigste in kürze. Hess. Obstbau 7:43-44. Mar.1952. 80 G1932

28442 LIEBELT, W. Lerne klagen, ohne zu leiden. Obst u. Gemüse 4:1087-1088. Oct.30,1952. 286.83 Ob72
Statistics of the German fruit and vegetable industry.

28443 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. BUR. OF STATISTICS. Survey of fruit orchards in Wayne County, New York, 1952; summary report. N. Y. Dept. Agr. & Mkt. Bur. Statis. RMA Release 11,31 p. Oct.1952. 280.3939 N483
U. S. Bur. of Agricultural Economics cooperating.

28444 NEW YORK (STATE) BUR. OF STATISTICS. Fruit and vegetable crop reports, by R. L. Gillett and staff. Albany,1952. 8 p. 241 N484

28445 SCHREIBER, W. R. World 1952 filbert production. Calif. Fruit News 127(3368):5. Jan.24,1952. 80 C12

28446 U. S. BUR. OF AGRICULTURAL ECONOMICS. Citrus fruits; production, farm disposition, value, and utilization of sales, crop seasons, 1944-45—1949-50. Washington,1952. 7 p. 1.941 H8C49

28447 U. S. BUR. OF AGRICULTURAL ECONOMICS. Citrus fruits; production, farm disposition, value, and utilization of sales, crop seasons 1950-51 and 1951-52. Washington,1952. 7 p. 1.941 H8C49

GRAIN AND GRAIN PRODUCTS

28448 ÅKERMAN, Å., LINDBERG, J. E., and AUGUSTIN, S. Investigations on the quality of the 1951 bread grain crop. (In Swedish.) Sveriges Utsädesför. Tidskr. 62:351-380. 1952. 61.9 Sv23

28449 ALLERFELD, K. Die pekarprobe im spiegel gegenwärtiger mahlverfahren. Müllerei 5:734-735. Nov. 22,1952. 298.8 M91

28450 ALLERFELD, K. Wie kann die roggenmehlqualität und die farbe verbessert werden? Müllerei 5: 673. Oct.25,1952. 298.8 M91

28451 AMOS, A. J. The milling industry; progress in 1952. Food Mfr. 78:27-32. Jan.1953. 389.8 F736
Great Britain.

28452 ARISAKA, S., and TANI, T. Changes of properties of damaged rice. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:1-2. Sept.1952. 389.9 T57

28453 BAEHR, H. A. Foodgrain needs of India. Nowest. Miller 249(2):33-37. (Cont.) Jan.13,1953. 298.8 N81

28454 BAEHR, H. A. Foodgrain needs of India. 2. Nowest. Miller 249(3):40,42-43. Jan.20,1953. 298.8 N81

28455 BARR, J. E. Government agencies cooperating to curb grain loading deception. Mktg. Activ. 15(11):3-5. Nov.1952. 1.942 A8M34

28456 BENITEZ, A. D., and BULANADI, J. What price should be considered reasonable for locally prôduced rice? Agr. & Indus. Life 14(11):4-5,30. Nov. 1952. 25 Ag8
Cost of production in the Philippines.

28457 BERLINER, E. Brauchen die weizenmehle letzter deutscher ernte eine triebstärkung? Deut. Müller-Ztg. 50:522-523. Oct.15,1952. 298.8 Su2

28458 BIERGANS, R. Statistisches und sonstiges zur getreide- und braugersten-versorgung 1952. Brauwelt 45: 1088-1089. Nov.6,1952. 390.8 B732
Germany.

28459 BOALS, G. P. The market and outlook in southeast Asia. Mod. Miller & Bakers News 79(26):25-26. Dec.20,1952. 298.8 M72
Grain.

28460 BOESEN, C. E., and KRUSE, E. F. Straw cellulose and its use as raw material for paper manufacture. (In Swedish.) Svensk Papperstidn. 55:885-896. Dec.15, 1952. 302.8 Sv2

28461 BRITTON, J. C. Japan introduces pressed barley. Foreign Trade 13(315):6-7. Jan.10,1953. 286.8 C162

28462 BROECK, L. VAN. La valorisation de la récolte de froment en 1951. Rev. de l'Agr. 5:1175-1186. Nov.1952. 13 R322
English summary.
Belgium.

28463 CANADA. GRAIN RESEARCH LABORATORY. Canadian barley, 1952. Canada. Grain Res. Lab. Crop B. 47,25 p. Nov.1952. 59.9 C161C
Analysis.

28464 CANADIAN MILLING AND FEED. Buyer's guide. Canad. Milling & Feed 34:39-42,45-46,49-50,53-54,56-58,61-69,71-72. Jan.1953. 298.8 C162

28465 CIPPERLY, J. Benson action to halt decline in grain markets anticipated. Feedstuffs 25(4):1,4. Jan.24,1953. 286.81 F322

28466 CLEVE, H. Die neuen vorbereitungsverfahren. École Off. de la Meun. Belge. B. 14:105-112. (Cont.) July/Aug.1952. 298.9 G34

28467 CONSOLINI, A. National contests for the increase of agricultural productivity: 1952-1953 season. (In Italian.) Humus 8(9):14-16. Sept.1952. 16 H88
Grain production in Italy.

28468 COOK, A. H., and POLLOCK, J. R. A. Chemical aspects of malting. II. Inst. Brewing. J. (n.s.)49: 407-413. Nov./Dec.1952. 390.9 In7

28469 CORN INDUSTRIES RESEARCH FOUNDATION, NEW YORK. Corn in industry. Ed. 3. New York,1952. 60 p. 309 C81

28470 COSGROVE, D. J., and others. Fermentation products of wheat germ. Chem. Soc. J., Dec.1952:4821-4823. 382 L84J
D. G. H. Daniels, J. K. Whitehead, and J. D. S. Goulden, joint authors.

28471 COURTOIS, J. E., DESJOBERT, A., and FLEURENT, P. Recherches sur la phytase. XVIII. Action de la phytase du blé sur quelques sels des acides inositophosphoriques. Soc. de Chim. Biol. B. 34:691-697. Ref. 1952. 383 So1

28472 COYLE, B. W. Oregon's grain and hay crops, statistical yearbook. Oreg. State Col. Ext. B. 729,51 p. Nov.1952. 275.29 Or32B
Supersedes Extension Bulletin 692.

28473 DESCHREIDER, A. R. Die wirkung ultravioletter strahlen auf mehl. X. Getreide u. Mehl 2:97-99. Sept.1952. 298.8 G332

28474 DIENST, K. Nassschälung von getreide in verbindung mit der vakuumbehandlung. Müllerei 5:735. Nov.22,1952. 298.8 M91

28475 DÖRNER, H. Neuere untersuchungen über veränderungen des mehles bei der lagerung. Getreide u. Mehl 2:109-112. Oct.1952. 298.8 G332

28476 EIDAM, J. E. Local—regional cooperative relationships. Amer. Coop. 24:531-535. 1952. 280.29 Am3A
Cooperative grain marketing.

28477 ESCHHAUS, K. H. Netzung vor oder nach dem schälen? Müllerei 5:662. Oct.18,1952. 298.8 M91

28478 FERTE, J. La physionomie d'ensemble de la récolte de blé en 1952 (dans les exploitations analysées par l'Office de Comptabilité Agricole de Soissons). Acad. d'Agr. de France. Compt. Rend. 39:624-629. Nov. 5/12,1952. 14 P215Bc
Includes discussion.

28479 FILLEY, H. C., and JACKSON, L. C. Management problems of farmer elevator companies in Nebraska. Nebr. Agr. Expt. Sta. B. 412,50 p. July 1952. 100 N27

28480 FRITSCH. Die wissenschaftlich genaue probenahme im mühlensystem. Wiss. Müllerei 11:119-120. In Müllerei 5(46). Nov.15,1952. 298.8 M91

28481 FRÖIER, K. Greatly increased barley culture in 1952. (In Swedish.) Lantmannen 36:999-1000,1004. Dec.6,1952. 11 L234
Sweden.

28482 GILMOUR, W. The bearing of fibre characteristics on the making of straw & esparto papers. Paper-Maker & Brit. Paper Trade J. 1952(annu.no.):28-29. 302.8 P1922

28483 GOETSCH, K. K. Modern storage of broken rice. (Condensed.) Amer. Brewer 85(12):46-47. Dec. 1952. 390.8 Am3

28484 GORGA, R. M. Wheat trade and industry. (In Portuguese.) Orientação Econ. e Financ. 9(107):53-55. Aug.1952. 280.8 Or42
Brazil.

28485 GRAMOLINI, M. The past year's harvest. (In Italian.) Agr. Molisana 3(11):1-2. Nov.1952. 16 Ag8267
Grain.

28486 GRAY, G. B. R. Cereals and the merchant. Inst. Corn & Agr. Merchants. J. 3:129-133. Autumn 1952. 10 In7

28487 HALL, T. E. Grainmen reap extra harvest through co-ops. News Farmer Coop. 19(10):6,22-23. Jan. 1953. 166.2 N47

28488 HAMPEL, G. Über die bestimmung des roggenanteils mit hilfe der trifruktosanmethode. Getreide u. Mehl 2:99-102. Ref. Sept.1952. 298.8 G332

28489 HARRIS, R. H. Protein content and baking quality of North Dakota wheat, 1952. N. Dak. Agr. Expt. Sta. Bimon. B. 15:71-74. Nov./Dec.1952. 100 N813B

28490 HARWOOD, V. D. The action of acid chlorite on wheat straw. Tappi 35:549-555. Ref. Dec.1952. 302.8 T162

28491 HINE, W. G. Coarse grain outlook. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:159-164. Oct. 1952. 281.9 Au73
World situation.

28492 HOFMEYR, J. D. J. The origin and history of maize. Farming So. Africa 27:451-452. Oct.1952. 24 So842

28493 INSTITUTO RIO GRANDENSE DO ARROZ. Anuário estatístico do arroz safra 1950/51 [Rice statistical annual, 1950/51 season]. Porto Alegre,1952. 108 p. 255.3 In75

28494 IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Handling the 1951 high-moisture corn crop. Iowa. State Col. Agr. Ext. Pam. 174,8 p. Jan.1952. 275.29 Io9Pa

28495 ISEBAERT. Les orges et les houblons de la recolte 1952. Petit J. du Brasseur 60:796-800. Nov.7, 1952. 390.8 P44
Quality in Belgium.

28496 IWATA, H., MAESAWA, G., and NAKAJIMA, M. Studies on wheat germ. VI. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:107-108. 1952. 389.9 J27
Preparation.

28497 JAMISON, L. R. Recent developments in sanitary shipment of flour and cereals. Amer. Baker 20(12):70-72. Dec.1952. 389.8 Am36

28498 KUNG, P. Increase of rice production in Taiwan, China. (Sum.) Internatl. Rice Comn. News Let. 3:7-9. Sept.10,1952. 59.9 In83N

28499 LAVEZZINI, V. Our daily bread. (In Italian.) Avvenire Agr. 60:235-241. Oct.1952. 16 Av9
Italian wheat problem.

28500 LEEDER, F. D. Cereal products recovery. Chem. Canada 4:211-213. Nov.1952. 381 C4236

28501 LEHMANN, E., and SEIDL, P. Die ersten malze aus 1952er gersten. Brauwelt 46:1116. Nov.13, 1952. 390.8 B732
Analysis and composition in Germany.

28502 LÖNNEMARK, H. How to store and dry wet grain? (In Swedish.) Lantmannen 36:1001-1002,1004-1005. Dec.6,1952. 11 L234

28503 MILLER, B. A. Why the flour changes. Arkady Rev. 29:56-57. Dec.1952. 389.8 Ar4

28504 MOISEEV, M. Grain delivery to the State—first commandment of collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(7):7-8. July 1952. 281.8 K83

28505 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF MARKETING AND AGRICULTURAL ECONOMICS. Review of oat conditions and prospects as at 28th September? 1951. Sydney?1951. 4 p. 59.23 N42

28506 O'BRIEN, E. J., and DUNCAN, G. J. Quality characteristics of the Victorian wheat crop. Victoria. Dept. Agr. J. 50:405-410. Sept.1952. 23 V66J

28507 PARISH, R. Bulk handling of wheat on the farm. Agr. Gaz. N. S. Wales 63:516-518,540-542. Oct.1952. 23 N472

28508 PARISH, R. Handling of wheat in bulk and bags compared. Agr. Gaz. N. S. Wales 63:583-585. Nov.1952. 23 N472

28509 PEAT, S., WHELAN, W. J., and THOMAS, G. J. Evidence of multiple branching in waxy maize starch. Chem. Soc. J., Nov.1952:4546-4548. 382 L84J

28510 PEDERSON, H. C., and others. It pays to protect stored grain. Minn. U. Agr. Ext. Folder 173,8 p. Nov.1952. 275.29 M66Ex
C. M. Christensen, H. L. Parten, and D. M. Ryan, joint authors.

28511 PELSHENKE, P. F., and HAMPEL, G. Starch deformation and "dead milled" flours. Baker's Digest 26:109-112,130. Dec.1952. 389.8 Si1

28512 PETERSON, K. D. Financial operations of Ohio farmer owned elevators during the fiscal year 1949-50. Ohio. State U. Dept. Agr. Econ. & Rur. Sociol. Mimeog. B. 223,17 p. 1951. 281.9 Oh32

28513 PREECE, I. A., and MACKENZIE, K. G. Non-starchy polysaccharides of cereal grains. II. Distribution of water-soluble gum-like materials in cereals. Inst. Brewing. J. (n.s.)49:457-464. Nov./Dec.1952. 390.9 In7

28514 PUTNAM, H. O. The durum situation. Macaroni J. 34(6):6. Oct.1952. 298.8 N46

28515 RAIA, N. How much grain is needed to buy bran. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(102):13. Dec.6,1952. 281.8 Ag3
Price relationships.

28516 RENAUDIN, C. La fabrication industrielle des pâtes alimentaires. Ed. 2. Paris,Dunod,1951. 405 p. Ref. 389 R293
Includes discussion of wheat and flour.

28517 RINGHAM, F. E. Income tax changes and the financing of grain cooperatives. Amer. Coop. 24:522-530. 1952. 280.29 Am3A

28518 RUIZ S., A. Almacenamiento y conservación de granos en Costa Rica. Col. de Ingen. Agron. An. 4:54-62. 1951. 58.9 C82

28519 RUPPERT, A. Die heurigen gersten und ihre verarbeitung. Brauwelt 43:1037-1040. (Cont.) Oct.23, 1952. 390.8 B732
Includes composition.

28520 RUPPERT, A. Die heurigen gersten und ihre verarbeitung. II. Brauwelt 44:1066-1068. Oct.30,1952. 390.8 B732

28521 SARDONE, L. T. The Australian wheat crop. World Crops 5:11-14. Jan.1953. 281.8 W892

28522 SASKATCHEWAN CO-OPERATIVE PRODUCERS. Twenty-eighth annual report, 1952. Regina,1952. 98 p. 59.9 Sa73
Grain.

28523 SCOTT, SIR L. Corn-drying kilns; a study of types in former periods. Milling 119:240-242,248. Ref. Sept.6,1952. 298.8 M622

28524 SOUZA, A. O. DE. The International Rice Commission. (In Portuguese.) Lav. Arroz. 6(70):3-16. (Cont.) Oct.1952. 59.8 L39

28525 SPAIN. MINISTERIO DE AGRICULTURA. SERV. DE ESTADÍSTICA. Avance estadístico de las superficies de cereales 1951. Spain. Min. de Agr. Serv. de Estadís. P. Ser. C 104,8 p. 1951. 263 Ag84C

28526 SPINDLER, F. Über die getreidelagerfestigkeit. Deut. Müller-Ztg. 50:538-539. (Cont.) Oct.29, 1952. 298.8 Su2

28527 SPINDLER, F. Über die getreidelagerfestigkeit. Deut. Müller-Ztg. 50:569-570. (Concl.) Nov.12, 1952. 298.8 Su2

28528 STALEY, A. E., JR. Progress in corn refining. Internatl. Confectioner 62(12):15,33. Dec.1952. 389.8 In214

28529 STICHTING VOOR COÖRDINATIE VAN CULTUUR EN ONDERZOEK VAN BROODGRAAN, WAGENINGEN. Verslag van een onderzoek naar de bakwaarde van het zomertarweras Koga [Report on an investigation of the baking quality of the summer wheat variety Koga], by S. Broekhuizen. Wageningen,1952. 24 p. 59.26 St5

28530 STORCK, J., and TEAGUE, W. D. The modern miller's tale. Co-op Grain Q. 10(4):5-11. Dec.1952. 280.28 C7898
Milling history.

28531 STOTT, T. C. Incentive needed to restore wheat production. Adelaide Chamber Com. Trade Digest 3(6):12-16. Oct.1952. 287 Ad3T
Australian Wheat Federation Plan providing for payable prices, tax incentives, and bulk handling.

28532 TANI, T., and others. The milling ratios of brown rice in Japan. I-III. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:2-4. Sept.1952. 389.9 T57
T. Shikano, T. Odaka, S. Yuki and others, joint authors.

28533 TAWNEY, J. A. Seizure proceedings in grain sanitation program explained. Nowest. Miller 248(26): 22-23. Dec.23,1952. 298.8 N81
Adulterated grain.

28534 TEAKLE, L. H. The future of wheat growing in Australia. Australas. Baker & Millers' J. 55(668): 31-32,34,37-38. Nov.1952. 298.8 Au7

28535 THOMAS, B., and ANDERS, E. Die standardwasserbestimmung—eine konventionalmethode mit ungenügenden vereinbarungen. Wiss. Müllerei 10:101-107. (Cont.) In Müllerei 5(42). Oct.18,1952. 298.8 M91

28536 THORNBURG, M. G. No crystal ball needed. Flour & Feed 53(8):10. Jan.1953. 298.8 F66
Grain and feed industry.

28537 TIMM, E. Die qualität der brotgetreideernte 1952. Deut. Müller-Ztg. 50:592-593. Nov.26,1952. 298.8 Su2
Germany.

28538 TIMM, E. Die qualität der brotgetreideernte 1952. Müllerei 5:729-730. Nov.15,1952. 298.8 M91
Germany.

28539 TORREGIANI, A. A. C. The George Cross Island; the ordeal of Malta's flour mills in the Second World War. Milling 120(2):33-34. 298.8 M622

28540 UEMURA, M., and others. Research on buck wheat milling and quality of buck wheat flour. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:8-9. Sept.1952. 389.9 T57
O. Watanabe, K. Matuhisa, S. Aizawa, Y. Imano, A. Arimoto, S. Tanaka, and H. Hioki, joint authors.

28541 UEMURA, M., and others. Research on wheat milling and qualities of wheat flour. IV. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:6-7. Sept.1952. 389.9 T57
O Watanabe, K. Matuhisa, and H. Hioki, joint authors.

28542 UEMURA, M., and others. Studies on wheat processing ("seibaku"), properties of its products and its denaturation in the process. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:1. Sept.1952. 389.9 T57
T. Tani, S. Chikuba, T. Odaka, and others, joint authors.

28543 ULONSKA, E. Ergebnisse der bayerischen landesbraugerstenschau 1952. Brauwelt 50:1224-1226. Dec.11,1952. 390.8 B732
Analysis and varieties.

28544 UNION EQUITY CO-OPERATIVE EXCHANGE. Union Equity Co-operative Exchange. Enid,Okla.,1952. 31 p. 280.2599 Un32U
Cooperative grain elevators.

28545 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24,census year 1949-50,special report series. No. 8. Agricultural crops: wheat, barley, rye, oats, kaffir corn, mealies and buckwheat. Union So. Africa. Buro v. Sensus en Statis. Landbsensus. Spesiale Verslagreeks 8,41 p. June 1952. 270 So87L

28546 UNITED GRAIN GROWERS. 46th annual report to the company's forty-eighth thousand shareholders for the year ended July 21st, 1952. n.p.,1952. 32 p. 280.29 Un34A

28547 U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho wheat by counties, 1950 crop. Boise,Idaho,1952. 2 p. 1.941 S8W563

28548 U. S. DEPT. OF AGRICULTURE. Grain is food—keep it clean! U. S. D. A. IAFS-2,4 p. n.d. 1 Ag84IA
U. S. Federal Security Agency and U. S. Department of the Interior cooperating.
Rodent control.

28549 U. S. DEPT. OF AGRICULTURE. Grain is food—keep it clean! U. S. D. A. IAFS-3,4 p. n.d. 1 Ag84IA
U. S. Federal Security Agency and U. S. Department of the Interior cooperating.
Stored grain.

28550 U. S. DEPT. OF AGRICULTURE. Grain is food—keep it clean! Protect your grain from rodents, insects, birds. U. S. D. A. IAFS-4,4 p. n.d. 1 Ag84IA
U. S. Federal Security Agency and U. S. Department of the Interior cooperating.

28551 U. S. FARMERS HOME ADMIN. Save grain by destroying rats and mice. U. S. Farmers Home Admin. Farm Mangt. Notes 23,3 p. June 20,1952. 1.949 F2228

28552 VIRGINIA FARM ELECTRIFICATION COUNCIL. Give your corn air! Va. Agr. Col. Ext. C. 558,8 p. Aug.1952. 275.29 V81C

28553 WARD, A. H. English wheat. Milling 119: 538,540-542. Nov.22,1952. 298.8 M622
The industry.

28554 WEATHERWAX, P. The evolution of Indian implements for grinding corn. (Abs.) Ind. Acad. Sci. Proc. 61:251-252. 1951,pub.1952. 500 In2

28555 WILHELM, A. Erfordert die herstellung von kleberarmen weizenmehlen ein besonderes mahlverfahren? Mülleret 5:690-691. Nov.1,1952. 298.8 M91

28556 WILHELM, A. Der magnet, ein wichtiger sicherheitsfaktor in der getreidereinigung. Mülleret 5: 736. Nov.22,1952. 298.8 M91

28557 WILLIAMS, A. E. Pulp from agricultural residues. World's Paper Trade Rev. 138:1850,1852,1854, 1859-1860. Dec.11,1952. 304.8 W89
Straw and bagasse.

28558 WILSON, J. Some aspects of conditioning. Milling 119:682-683. Dec.20,1952. 298.8 M622
Wheat.

28559 WRIGHT, C. W. State use of U. S. standards in the inspection of grain. Oreg. Dept. Agr. Agr. B. 176:4-5. Dec.1952. 2 Or3

HONEY AND BEESWAX

28560 CHISTOV, V., and SILITSKAIA, N. Chemical composition of honey and honeydew. (In Russian.) Pchelovodstvo 29(10):14-16. Oct.1952. 424.8 P295

28561 EASTLEY, A. L. A beekeeper examines a Board, glowing report on controlled marketing. Austral. Bee J. 33:164-170. Oct.1952. 424.8 V66
South Australian Honey Board.

28562 GREEN, G. W. Marketing abroad and in Britain. Brit. Bee J. 80:709. Nov.8,1952. 424.8 B77
Honey.

28563 GROUT, R. A. Results of the 1952 honey promotion. Amer. Bee J. 93:11. Jan.1953. 424.8 Am3

28564 SCHÜPF, W. Honigverkauf. Südwestdeut. Imker 4:365. Nov.1952. 424.8 Su25

28565 U. S. PRODUCTION AND MARKETING ADMIN. Honey. Washington,1952. 2 p. 1.956 A2H756

28566 U. S. PRODUCTION AND MARKETING ADMIN. Statistics of the United States honey industry. Washington, 1952. 10 p. 1.956 F94St25

LIVESTOCK AND LIVESTOCK PRODUCTS

28567 ALCAIDE INCHAUSTI, J. Se ha solucionado el problema de la escasez de curtidos. Rev. Sind. de Estadis. 7(27):24-26. Third Q.1952. 263 Es8B
Spain.

28568 ASLEZOV, V. Achievements of Busygin Collective Farm [in Chita Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(7):80-81. July 1952. 49 So71
Fulfillment of Three-Year Plan in livestock production.

28569 BEATTIE, W. A. The beef cattle industry; invidious distinctions between northern and southern Australia. Past. Rev. 62:1186-1187. Nov.15,1952. 23 Au75

28570 BELL, D. S. Sheep industry can overcome problems. Sheep & Goat Raiser 33(4):26-27. Jan.1953. 45.8 Sh3

28571 BRADY, D. E. Physical research methods. Reciprocal Meat Conf. Proc. 5:148-155. 1952. 50.9 R24
Includes discussion.

28572 BULL, S. Comments re: syllabus of a basic meats course. Reciprocal Meat Conf. Proc. 5:15. 1952. 50.9 R24

28573 CAL, D. Incorporación de mejoras para el desarrollo de la producción pecuaria. I-II. Uruguay. Min. de Ganad. y Agr. B. Inform. 435:7; 436:6. Oct.2-9, 1952. 9.9 G15B

28574 CASTRO ROMERO, A. Rendimiento de los animales de abasto y abastecimiento público. B. de Zootec. 8:283-292. Sept.1,1952. 41.9 So16
Spanish meat production.

28575 CHERVINSKII, V. F. Prospects for developing the livestock industry in the districts of the great projects of communism. (In Russian.) Sotsialist. Zhivotnovod. 14(7):8-11. July 1952. 49 So71

28576 DEBEAUKELAER, F. L. Packers fight leather substitutes too. (Excerpts.) Shoe & Leather Rptr. 268(5):35-37. Nov.1,1952. 303.8 Sh7

28577 DOLAN, W. P. Exchange gears operations for greater service during '53. Com. West 105(2):41,44. Jan.10,1953. 286.8 C733
Livestock.

28578 DREW, E. L. The outlook for market stability. (Excerpts.) Shoe & Leather Rptr. 268(5):42-43. Nov.1, 1952. 303.8 Sh7
Hides and skins.

28579 DREW, E. L. World supplies of hides and skins. (Sum.) Leather World 44:948,950. Dec.11,1952. 303.8 L482

28580 DU TOIT, S. J. The importance of cattle in the north-western Free State. Farming So. Africa 27:511-515,518. Nov.1952. 24 So842

28581 ERICH, W. J. Australia's beef cattle industry. West. Livestock J. 30(64):115,117-118,121-123. Nov.15, 1952. 6 F2278

28582 FRANCIONI, J. B. A digest of suggestions to consider in planning and putting into action an extension service meat program. Reciprocal Meat Conf. Proc. 5:69-71. 1952. 50.9 R24

28583 GRAMLICH, H. J. Let's take the long-range view. West. Livestock J. 31(5):35,83,87,89,93. Jan.1953. 6 F2278
The outlook in the livestock industry.

28584 HAASE, W. C. The beef cattle situation. Mont. Stockgrower 24(12):23. Dec.15,1952. 49 M76

28585 HUDSON, P. Fur industry of Kastoria [Greece]. Foreign Agr. 16:224-225. Dec.1952. 1.9 Ec7For

28586 HUGHES, C. E. Have we reached a turn in [beef] cattle? N. Mex. Stockman 17(12):42,54-55. Dec. 1952. 49 N462

28587 HUGHES, C. E. What can pig hatcheries do for you? Successful Farming 51:31,62-64. Jan.1953. 6 Su12

28588 KLEBERG, R. J. The cattle industry of northern Australia. Past. Rev. 62:1059-1060. Oct.16,1952. 23 Au75

28589 KVAPIL', A. I. Situation of the rabbit industry and measures for developing it. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):42-45. July/Aug.1952. 49 K14

28590 LEWIS, H. M. Towards better English bacon. Gr. Brit. Min. Agr. Agriculture 59:415-419. Dec.1952. 10 G79J

Situation in the industry and consumer preferences.

28591 LIASHENKO, I. V. Ways of further advancement of public animal industry in the mountainous districts of Central Tian Shan. (In Russian.) Sotsialist. Zhivotnovod. 14(9):20-25. Sept.1952. 49 So71

28592 LITOVCHENKO, G. R. Prospects for developing the sheep industry in the irrigated districts of the Lower Volga Area and Northern Caspian. (In Russian.) Sovet. Zootekh. 7(9):32-40. Sept.1952. 49 So822

28593 MCTAVISH, R. L. Edible and inedible fat problems. Butchers' Advocate 132(26):8-13. Dec.24, 1952. 286.85 B97

28594 MINNESOTA. STATE-FEDERAL CROP AND LIVESTOCK REPORTING SERV. Minnesota's hog industry, by R. R. Zanda and R. A. Bergersen. St. Paul,1952. 65 p. 281.346 M66

28595 MUL'NER, IU. S. Organization and development of livestock divisions on Budennyĭ Collective Farm [in Ruzskiĭ District, Moscow Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(8):64-67. Aug.1952. 49 So71

28596 NATIONAL LIVE STOCK AND MEAT BOARD. 29th annual report of the general manager, fiscal year ending June 30, 1952. Chicago,1952. 64 p. 50.9 N21

28597 NEVZOROV, G. A. Achievements of the livestock raisers in Kishkaren District [Moldavian SSR]. (In Russian.) Sotsialist. Zhivotnovod. 14(8):11-16. Aug. 1952. 49 So71

Fulfillment of Three-Year Plan.

28598 OLSON, A. L. More cattle means more meat for consumer this year. Com. West 105(2):37,39. Jan. 10,1953. 286.8 C733

28599 PICKELL, M. W. The changing cattle picture. Corn Belt Livestock Feeder 4(8):4-7. May 1952. 280.38 C81

28600 PYNE, GOULD, GUINNESS. Fifty-second annual review, season 1951-52. Christchurch,1952. 44 p. 286.85 P99

Wool and livestock industry and other phases of agriculture in New Zealand.

28601 RECIPROCAL MEAT CONFERENCE. Proceedings, fifth annual conference, Chicago, Illinois—June 10, 11, 12, 1952. Chicago,Natl. Live Stock & Meat Bd.,1952. 197 p. 50.9 R24

28602 REED, H. E. Livestock expert challenges cattlemen to produce more at lower prices. Calif. Livestock News 27(51):1,12. Dec.16,1952. 45.8 C12

28603 RICHMOND, W. L. Work plan for an extension meats program. Reciprocal Meat Conf. Proc. 5:72-74. 1952. 50.9 R24

28604 ROUY, H. La production ovine métropolitaine est-elle oui ou non reconstituée? Mouton 7:111-112. Nov.1952. 45.8 M86

28605 SCHNITZER, J. G. World supplies of cattle, sheep and goats. (Extr.) Leather World 44:808,810, 812,814. Nov.13,1952. 303.8 L482

28606 SHCHERBOV, N. A. Achievements of the leading swine-raising woman of Chervonnyi Uradnik Kolkhoz [in Slutsk District, Bobruĭsk Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(9):83-84. Sept.1952. 49 So71

Fulfillment of Three-Year Plan.

28607 SHERA, G. Recent developments in the Republic of Ireland meat trade. Canad. Cattlemen 15(11): 39. Nov.1952. 49 C16

28608 SHORLAND, F. B. Evolution of animal fats. Nature [London] 170:924-926. Ref. Nov.29,1952. 472 N21

Includes note by T. P. Hilditch.

28609 SHUTE, J. L. The future for meat. So. Austral. Dept. Agr. J. 56:118-119. Oct.1952. 23 So84

28610 SOCIEDAD AGRÍCOLA Y GANADERA DE OSORNO. Observaciones al proyecto de ley sobre "plan general de fomento de la ganadería." In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.289-293. Temuco,1952. 27 C7655

Asociación de Médicos Veterinarios e Ingenieros Agrónomos de la Zona Austral.

28611 TOKMAKOV, P. B. Prospects for developing and organizing the divisions of animal husbandry on the consolidated collective farms of a deep-seated district in the northern forest area. (As exemplified by Lalsk District, Kirov Region). (In Russian.) Sovet. Zootekh. 7(8):88-95. Aug.1952. 49 So822

28612 TRESHCHETKIN, N. P. Public animal industry—an enormous source of money income for collective farms. (In Russian.) Sotsialist. Zhivotnovod. 14(9):80-81. Sept.1952. 49 So71

28613 VIGANO, D. Incorporación de mejoras para el desarrollo de la producción pecuaria. I-II. Uruguay. Mtn. de Ganad. y Agr, B. Inform. 433:11; 434:5-6. Sept. 18-25,1952. 9.9 G15B

28614 VROOMAN, C. W. Consumer report on pork products. Oreg. Agr. Expt. Sta. B. 521,14 p. Aug.1952. 100 Or3

28615 WAGENAAR, J. M. The meat situation in Argentina. (In Dutch.) Landbouwwereldnieuws 7:669-671. Oct.18,1952. 12 L237

28616 WELLINGTON, G. H. Meats extension in New York State. Reciprocal Meat Conf. Proc. 5:75-79. 1952. 50.9 R24

28617 WOODROFFE, F. W. The position of New Zealand sheepskins in the world today. Wool 1(5):65,69. 1952/53. 45.8 W887

Analysis and Composition

28618 ADAMS, C. H. Outline of desirable chemical and organoleptic tests and certain physical measurements that could be made on carcass beef. Reciprocal Meat Conf. Proc. 5:103-107. 1952. 50.9 R24

Includes discussion.

28619 ANDREOTTI, R. Determination of nitrites and nitrates in salted meats. (In Italian.) Indus. Ital. delle Conserve 27:55-56,61-63. Ref. Mar./Apr.1952. 389.8 In23

28620 DEATHERAGE, F. E. The chemistry of fresh meat and its relation to tenderness and other palatability factors. Reciprocal Meat Conf. Proc. 5:177-192. Ref. 1952. 50.9 R24

Includes discussion.

28621 GRASSMANN, W. Elektronenmikroskopische untersuchungen an kollagen. (Sum.) Leder 3:257. Oct. 1952. 303.8 L492

28622 GREGORY, J. C., and RODDY, W. T. The thermal stability of leather. Amer. Leather Chem. Assoc. J. 47:787-794. Dec.1952. 303.9 Am32

28623 HALL, J. L. Discussion of chemical methods. Reciprocal Meat Conf. Proc. 5:165-169. 1952. 50.9 R24

Includes discussion.

28624 HAUSAM, W. Die bedeutung der rinderrassen für die lederherstellung; eigenschaften und ledertechnische eignung der rindshaut in abhängigkeit von rasse und umweltsbedingungen. Stuttgart,Wissenschaftliche Verlagsgesellschaft,1952. 148 p. Ref. 303 H29

28625 KIRSCH, R. H., and others. The bacteriology of refrigerated ground beef. Food Res. 17:495-503. Ref. Nov./Dec.1952. 389.8 F7322

.F. E. Berry, C. L. Baldwin, and E. M. Foster, joint authors.

28626 LINGELBACH, F. A. Vergleichende untersuchungen über die leistungsfähigkeit der nach der amtlichen vorschrift des Fleischbeschaugesetzes, bzw. nach Preuss, bzw. nach einer amerikanischen vorschrift hergestellten tetrathionatbouillon zur anreicherung von Salmonellen. (Extr.) Giessen,1951. 20 p. 448.2 L642

Inaug.- Diss. - Giessen.

28627 MAHON, J. H., and CHAPMAN, R. A. The relative rates of destruction of propyl gallate and butylated hydroxyanisole in oxidizing lard. Amer. Oil Chem. Soc. J. 30:34-39. Ref. Jan.1953. 307.8 J82

28628 MUCCIOLO, P. Green coloring of sausage products. (In Portuguese.) Veterinário 2:13-17. June/Aug.1952. 41.8 V6438

Bacterial contamination.

28629 PAUL, P., and others. Studies on tenderness of beef. I. Rate of heat penetration. Food Res. 17:504-510. Nov./Dec.1952. 389.8 F7322
L. J. Bratzler, E. D. Farwell, and K. Knight, joint authors.

28630 PEARSON, A. M. Chemical methods—their use in meats research. Reciprocal Meat Conf. Proc. 5: 161-164. 1952. 50.9 R24

28631 STATHER, F. Mikroskopische untersuchungen zum bleich- und färbeprozess in der rauchwarenveredlung. Deut. Lederinst. Gesam. Abhandl. 8:3-11. 1952. 303 9 F88
Includes hide composition.

28632 SULZBACHER, W. L. Report of Subcommittee on Microbiological Methods of Meat Research. Reciprocal Meat Conf. Proc. 5:170-176. 1952. 50.9 R24
Includes discussion.

28633 TIEDT, J., and TRUTER, E. V. The behaviour of wool wax and its constituents in water-in-oil emulsions. J. Appl. Chem. 2:633-638. Ref. Nov.1952. 382 J82

28634 TIEDT, J., and TRUTER, E. V. The components of wool wax. I. The aliphatic alcohols. Chem. Soc. J., Dec.1952:4628-4630. 382 L84J

28635 WARNER, K. F. Adventures in testing meat for tenderness. Reciprocal Meat Conf. Proc. 5:156-160. 1952. 50.9 R24
Includes discussion.

Consumption and Utilization

28636 BYWATER, H. E. The hygienic and economic utilization of offal and by-products of food animals. Roy. Sanit. Inst. J. 73:33-45. Jan.1953. 449.9 R812

28637 JOHNSTON, W. C. Disposal of fire-injured sheep to abattoirs. So. Austral. Dept. Agr. J. 56:190-191. Nov.1952. 23 So84

28638 PETERSEN, J. A. Turning waste into profit—example from Denmark. Ulster Farmer 52(4):16-17. Apr.1952. 10 UL7
Chiefly waste products of animals.

Distribution, Marketing, and Transportation

28639 APPLEGATE, F. R. National Rabbit Week instructions. Small Stock Mag. 37:28-29. Jan.1953. 48.8 P442

28640 CONWAY, H. M. Better markets for live stock assured in 1953. Natl. Live Stock Prod. 31(3):8. Jan. 1953. 280.38 N21

28641 CUMMINS, W. R. Directs sales to and credit risks of cooperatives in selling to small packers. Amer. Coop. 24:567-568. 1952. 280.29 Am3A
Livestock cooperatives.

28642 DIONISIO, B. A. Supplying of meat to the city of Funchal. (In Portuguese.) Frutas da Madeira 12:253-254,256. Aug.1952. 286.83 F9422

28643 FRASER, A. Sheep sales. Young Farmer 20:401-402. Nov./Dec.1952. 10 Y8

28644 FRIEND, I. J. C. They market their meat themselves. Farmer & Stock-Breeder 66(3297):38-39. Dec.30,1952. 10 F228
Cooperative marketing in Sweden.

28645 FULTON, D. Bruised cows—loss to Montana cattlemen. Mont. Stockgrower 24(12):18-19. Dec.15, 1952. 49 M76

28646 FURLONG, J. R. The market for hides and skins. Corona 4:416-419. Nov.1952. 282.28 G79

28647 HARSTON, C. R. Trade at western livestock auction markets. Mont. Stockgrower 24(11):4-6. Nov.15, 1952. 49 M76

28648 HASL. Der viehkauf als rechtsgeschäft. Allgauer Bauernbl. 20:618-619. Nov.6,1952. 18 AL53

28649 HEMMING, R. V. Accomplishment in six years of cooperative livestock marketing in New York State. Amer. Coop. 24:569-581. 1952. 280.29 Am3A

28650 JACOBSEN, N. A. The chain store meat counter. Mont. Stockgrower 24(11):24. Nov.15,1952. 49 M76
Beef sales.

28651 JENSEN, T. S. Cattle and meat marketing. (In Danish.) Jydsk Landbr. 34:734-737. Oct.23,1952. 11 J99
Denmark.

28652 KETNER, F. G. Benefits of coordinating hog marketing in the Eastern Corn Belt. Amer. Coop. 24: 582-588. 1952. 280.29 Am3A

28653 MCNEELY, J. G. Interregional competition in beef cattle. J. Farm Econ. 34:897-900. Dec.1952. 280.8 J822

28654 MARCHAND, M. L'avenir du marché du porc. Porc 23(10):7-8. Nov.1952. 46.8 P822
France.

28655 MEYER. Haftung für mängel verkaufter tiere. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1991-1992. Dec.4,1952. 18 L2346

28656 MOLTESEN, P. A. Proposal for regulation of the marketing of slaughter animals in the United Kingdom. (In Danish.) Denmark. Landbrraadet. Meddel. 47:844-848. Nov.20,1952. 11 D415L

28657 NATIONAL LIVE STOCK EXCHANGE. Proceedings of the sixty-fourth annual convention, June 5, 6, 7, 1952, Montgomery, Alabama. n.p.,1952. 150 p. 49.9 N215P

28658 NORTH CENTRAL LIVESTOCK MARKETING RESEARCH COMMITTEE. Combined supplement to marketing feeder cattle and sheep in the North Central Region. Nebr. Agr. Expt. Sta. B. 410,30 p. 1951? 100 N27
Contents: Methodology and nature of the data; Factors that determine the price of feeder cattle, by H. M. Riley; An econometric analysis of the feeder cattle market, by S. H. Thompson.

28659 ORNDUFF, D. R. There's no trick to successful selling. Amer. Hereford J. 43(17):30,34,274. Jan.1, 1953. 43.8 Am32
Beef cattle.

28660 PLATE, R. Vorausschau auf den schweinemarkt. Agrarwirtschaft 1:293-298. Nov.1952. 281.8 Ag826
Germany.

28661 RAMPON. La garantie dans la vente des animaux de boucherie. Élevage et Cult. 4(47):10. Nov. 1952. 24 EL2
North Africa.

28662 RANDELL, C. G. Range of livestock services get ok brand. News Farmer Coop. 19(10):5,18. Jan.1953. 166.2 N47

28663 RANDELL, C. G. Using your livestock co-op. U. S. Farm Credit Admin. C. E-7,rev.,17 p. 1952. 166.2 C4926

28664 STERN, B. Shipping small animals. Science 116:714. Dec.26,1952. 470 Sci2
Laboratory animals.

28665 TAYLOR, M., and MICHAELSON, L. Reducing livestock losses. Utah. State Agr. Col. Ext. Fact Sheet 1, 4 p. Feb.1952. 275,29 Ut1F
Bruising and death of animals in marketing and resulting meat losses.

28666 THOMPSON, S. H. Choosing the right hog market can increase returns. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:76-78. Nov.1952. 275.28 Io94

28667 WALLNER, J. Viehabsatzlage und genossenschaftliche verwertung. Prakt. Landwirt. 6:138,147. Nov.1952. 19 P88
Austria.

28668 WHITTAKER, T. P. Consignment sales—a breed asset. Ayrshire Digest 38:769,867. Dec.15,1952. 43.8 Ay7

28669 WILDE, H. Massnahmen der regierung zur sicherung einer gleichmässigen ferkelproduktion und eines gesicherten ferkelabsatzes. Tierzucht 6:374-375. Nov. 1952. 49 T443

28670 WILDE, H. Zum thema "kälberaufzuchtverträge." Tierzucht 6:334-335. Oct.1952. 49 T443
Compulsory deliveries of milk and cattle.

28671 WILLIAMS, D. H. Meat animal production for the consumer. Reciprocal Meat Conf. Proc. 5:57-59. 1952. 50.9 R24
Public relations.

28672 WILLS, W. J. Choosing a market for your livestock. Ill. Agr. Col. Ext. C. 701,20 p. Oct.1952. 275.29 IL62C

28673 YOUNG, J. E. Purdue meat merchandising program. Reciprocal Meat Conf. Proc. 5:60-65. 1952. 50.9 R24
Includes discussion.

Grading, Inspection, Standardization, and Quality

28674 BARTELS, H. Intensivierung der lebensmittelüberwachung ein organisationsproblem des tierärztlichen berufsstandes. (Sum.) Lebensmitteltierarzt 3:98-99. Oct.1952. 41.8 L49

28675 BETZOLD, C. W. How the [Army] Meat and Dairy Hygiene School functions. Res. & Devlpmt. Assoc. Food & Container Inst. Proc. 5:111-114. 1952. 389.9 R313P
Inspection.

28676 CARSE, G. M. D. Bacon Pig Carcase Competition, 1952. Agr. Gaz. N. S. Wales 63:520. Oct.1952. 23 N472

28677 CLIFTON, E. S. Some beef carcass measurements as related to grade. Reciprocal Meat Conf. Proc. 5:113-117. 1952. 50.9 R24
Includes discussion.

28678 DOWNEY, L. A., and NORTH, A. D. Pork and bacon-pig competition. Victoria. Dept. Agr. J. 50:487-490. Nov.1952. 23 V66J

28679 DRÄGER, H. Bakteriologische fleischuntersuchung in schlachthoflaboratorien nebst abänderungsvorschlägen für die anlage 1 zu § 27 AB. A. Monatsh. f. Vetmed. 7:472-479. Ref. Dec.1,1952. 41.8 M742

28680 HEINICHEN, W. E. Factors affecting the value of Karakul pelts. Farming So. Africa 27:467. Oct.1952. 24 So842

28681 KOSTENKO, D. To improve the quality of raw hide and wool. (In Russian.) Kolkhoz. Proizvodstvo 12 (7):12-13. July 1952. 281.8 K83

28682 KUTNEWSKY, F. Mexican cattle grade surprisingly high as limited shipments cross U. S. border. N. Mex. Stockman 17(12):63. Dec.1952. 49 N462

28683 LOPEZ ARANGUREN, J. Carnes denominadas desagradables por su coloracion anormal. Mundo Agr. 4(41):52-53. Oct.1952. 9 M92

28684 LUXWOLDA, W. Abnormal color, abnormal flavor, abnormal taste of meat. (In Dutch.) Tijdschr. v. Diergeneesk. 77:923-942. Dec.15,1952. 41.8 T431
English summary.

28685 MACHENS. Über die wissenschaftlich längst erfolgte, aber noch nicht überall anerkannte und berücksichtigte wandlung von der schlachttier- und fleischbeschau zur tierärztlichen schlachttier- und fleischuntersuchung. Lebensmitteltierarzt 3:97-98. Oct.1952. 41.8 L49
Discussion of article by F. Schönberg.

28686 MARGERUM, E. P. Fifth annual reciprocal meats conference. Reciprocal Meat Conf. Proc. 5:81-88. 1952. 50.9 R24
Lamb carcass evaluation.
Includes discussion.

28687 NAUMANN, H. D. A recommended procedure for measuring and grading beef for carcass evaluation. Reciprocal Meat Conf. Proc. 5:108-112. 1952. 50.9 R24
Includes discussion.

28688 NEUMANN, C. F. Sore spot in pork industry; we aren't buying and selling hogs on quality, we are merely dealing in pounds of hogs. Prairie Farmer, Gen. Ed. 125:5,37. Jan.3,1953. 6 P883

28689 NICHOLSON, A. H. Payment for pigs by grade [Great Britain]. Farmer & Stock-Breeder 67(3298):41. Jan.6,1953. 10 F228

28690 OLIVER, A. W. Measurements of lamb carcasses; recommendations for some procedures on lamb and mutton projects. Reciprocal Meat Conf. Proc. 5:91-95. 1952. 50.9 R24
Includes discussion.

28691 PHILLIPS, R., and HUGHES, L. E. Some aspects of losses in farm animals. Brit. Vet. J. 108:458-472. (Cont.) Dec.1952. 41.8 V643
Grading beef cattle in Wales.

28692 PIERANGELI, E., and others. Lesiones nodulares de higados de ovinos para consumo. Asoc. Argentina de Dietologia. Rev. 9:166-168. Oct./Dec.1951. 389.9 As5
D. Mosto, B. Rothman, and E. Rivero, joint authors.

28693 PIERCE, E. A. Bacon quality. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:6-9. Fall 1952. 100 So82S

28694 PIERCE, J. C. Classification and grading of meats. Reciprocal Meat Conf. Proc. 5:28-39. 1952. 50.9 R24
Includes discussion.

28695 PLAGER, C. Yield and grade marketing of hogs. Berkshire News 18(3):12,26. Jan.1953. 46.8 B454

28696 SCHÖNBERG, F. Zur intensivierung der lebensmittelüberwachung. Lebensmitteltierarzt 3:100. Oct.1952. 41.8 L49

28697 SCHÖNBORN. Über die wissenschaftlich längst erfolgte, aber noch nicht überall anerkannte und berücksichtigte wandlung von der schlachttier- und fleischbeschau zur tierärztlichen schlachttier- und fleischuntersuchung. Lebensmitteltierarzt 3:95-97. Oct. 1952. 41.8 L49
Discussion of article by F. Schönberg.

28698 TAPPEL, A. L. Linoleate oxidation catalyzed by hog muscle and adipose tissue extracts. Food Res. 17:550-559. Ref. Nov./Dec.1952. 389.8 F7322

28699 U. S. PRODUCTION AND MARKETING ADMIN. Official United States standards for grades of pork carcasses, barrow and gilt (Title 7, ch.I, pt. 53, sections 53.140-53.143 of the Code of Federal Regulations). U. S. Prod. & Mktg. Admin. S.R.A.-P.M.A. 171, 4 p. Sept.1952. 1 M34S

28700 WIMMER, F. X. Der § 399 des strafgesetzes: fleischverkauf von einem nicht nach vorschrift beschauten viehe; strafe. Wien. Tierärztl. Monatsschr. 39:758-766. Dec.1952. 41.8 T345
English summary.

Packing and Packaging

28701 EMPEY, W. A. Meat packaging and processing, a Productivity Team report. Food Technol. Austral. 4:295,297,299. (Cont.) Oct.1952. 389.8 F7333

Prices, Price Control, and Rationing

28702 COMISIÓN CONJUNTA DE LA VETAGRO Y LA SAGO. Precio de relación entre la carne y la leche. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.282-288. Temuco,1952. 27 C7655

28703 DELOACH, D. B., and FARSTAD, E. Behavior of meat marketing margins. J. Farm Econ. 34: 916-921. Dec.1952. 280.8 J822

28704 HARDENBERG, W. Looking ahead in food distribution and our standard of living; the price of meat. Vital Speeches 19:189-191. Jan.1,1953. 280.8 V83

28705 HUGHES, C. E. Have we reached a turn in cattle? Armour's Anal. 1(7):1-4. Oct.1952. 286.85 Ar52
Prices and trade.

28706 KLEBERG, R. J. Australia's beef industry; the evils of controls. Past. Rev. 62:1207. Nov.15,1952. 23 Au75

28707 LIPPEGAUS, K. Vieh- und fleischpreise der letzten 100 jahre. Hannover,1951. 31 p. Ref. 284.340 L66
Inaug.-Diss. - Tierärztliche Hochschule Hannover.

28708 MINNOCH, J. K. Can we have a stable hide market? Leather & Shoes, Jan.3,1952:11,40. 303.8 H53
Prices.

28709 QUICK, E. Springers bring top dairy prices. Co-op. Shipper 32(12):6-7. Dec.1952. 280.38 C78
Dairy cattle.

Processing and Storage

28710 BROWN, W. L. Principles of preservation and curing. Reciprocal Meat Conf. Proc. 5:16-17. 1952. 50.9 R24

28711 BURTON, D., HARRISON, J. M., and TURNER, T. Vegetable tanning. VII. Soc. Leather Trades' Chem. J. 36:342-351. Nov.1952. 303.9 So12

28712 CHAMBARD, P. Essais de salage de peaux de veaux. B. de l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 14:152-158. Sept./Oct.1952. 303.8 B87

28713 CHAMBARD, P., and JULLIEN, I. Tannage avec le tanin de l'écorce d'Eucalyptus sideroxylon. B. de l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 14:158-162. Sept./Oct. 1952. 303.8 B87

28714 CIANI, G. Use of vinegar in the preservation of fresh meat. (In Italian.) Croce Azzurra 3(3):42-43. May/June 1952. 41.8 C87

28715 DAWSON, W. O. New tanning materials show promise. (Excerpts.) Shoe & Leather Rptr. 268(5):38-39. Nov.1,1952. 303.8 Sh7

28716 DUCK, R. W. New method for curing pork on the farm. Rur. New-Yorker 102:772-773. Dec.20,1952. 6 R88

28717 EWALD, F. W. Untersuchungen über Carnal als zusatzmittel zur qualitätsverbesserung von brühwurst. Giessen,1951. 47 p. 50 Ew1
Inaug.-Diss. - Giessen.

28718 FENSTERSEIFER, C. Chemical products used in leather manufacture. (In Portuguese.) Rev. de Quím. Indus. 21(243):20-22. July 1952. 385 R324
Tanning materials.

28719 FIFE, R. R. New oil extraction process uses shock waves & cold water. Canad. Food Indus. 24:20-21. Jan.1953. 286.83 C166
From bone.

28720 FORD, H. G. Arkansas Extension Service. Reciprocal Meat Conf. Proc. 5:66-68. 1952. 50.9 R24
Meat handling problems.

28721 FYSH, D. The manufacture of gelatine and glue. I-II. Leather Trades' Rev. 106:365-368,491-494. Nov.12-19,1952. 303.8 L48
From hides and skins.

28722 GUATEMALA. INSTITUTO DE FOMENTO DE LA PRODUCCIÓN. Curtiduría y curtientes en Guatemala, by O. Secondini B. Guatemala,1951? 144 p. 303 G932

28723 HATZ, A. Comment éviter une mauvaise adhérence de fleur. Rev. Tech. des Indus. du Cuir 44: 197-199. Oct.15,1952. 303.8 C89

28724 HAVZLANT, A. Tannery development in India; describing a bata organisation plant at Mokamehgat. Leather Trades' Rev. 106:252-253. Nov.5,1952. 303.8 L48

28725 HEARNE, R. J. Refrigeration requirements in the Irish meat packing industry. Mod. Refrig. 4: 405-406. Dec.1952. 295.8 M72

28726 HUMPHREYS, G. H. W. Verschiedenheiten der unterledergerbung in England und Deutschland. (Sum.) Leder 3:257. Oct.1952. 303.8 L492

28727 HURWICZ, H., and TISCHER, R. G. Heat processing of beef. II. Food Res. 17:518-542. Nov./Dec. 1952. 389.8 F7322

28728 HUSSAIN, M. Tanning and leather industry in the Punjab. Pakistan Econ. & Com. 1:149-152. Mar. 1952. 280.8 P175
Pakistan.

28729 INNES, R. F., and PANKHURST, K. G. A. The degreasing of woolskins. Soc. Leather Trades' Chem. J. 36:358-363. Nov.1952. 303.9 So12

28730 JENSEN, R. Pelting of mink. (In Danish.) Dansk Pelsdyravl 15:323-324,326-328. Nov.1,1952. 412.628 D23

28731 KEMP, J. D. Method of cutting lamb carcasses. Reciprocal Meat Conf. Proc. 5:89-90. 1952. 50.9 R24
Includes discussion.

28732 KREMEN, S. S. Improving leather bottom stock. (Excerpts.) Shoe & Leather Rptr. 286(9):12-13. Nov.29,1952. 303.8 Sh7

28733 KUNTZEL, A., and STATHER, F. Langsame oder schnelle gerbmethoden bei der herstellung pflanzlich gegerbter unterleder? Deut. Lederinst. Gesam. Abhandl. 8:45-50. 1952. 303.9 F88

28734 LENNOX, F. G., and FORSS, H. M. Effect of tanning in protecting collagen against enzyme digestion. Soc. Leather Trades' Chem. J. 36:322-331. Oct.1952. 303.9 So12

28735 MEISSNER, A. Uber fragen der wärmewirtschaft in der lederherstellung. (Sum.) Leder 3:260. Oct.1952. 303.8 L492

28736 OEHLER, R., DAHL, S., and KILDUFF, T. J. Treatment of leather. Shoe & Leather Rptr. 268(7):13-20. Nov.15,1952. 303.8 Sh7

28737 PANKHURST, K. G. A. Note on the uptake of grease during the fat-liquoring of vegetable-tanned sheepskins. Soc. Leather Trades' Chem. J. 36:363-365. Nov. 1952. 303.9 So12

28738 PLANT, D. A. The combination of cation active compounds with collagen and chrome tanned collagen. Soc. Leather Trades' Chem. J. 36:351-357. Nov.1952. 303.9 So12

28739 SCHNEIDER, W. E. Boneless meat cuts. (Excerpts.) West. Locker 13(6):12-13. Dec.1952. 389.8 P112

28740 SCHOTT, R. G. Experimental designs pertaining to meat projects. Reciprocal Meat Conf. Proc. 5: 144-147. 1952. 50.9 R24

28741 SHAW, R. Scientific finishing for leather today. (Excerpts.) Shoe & Leather Rptr. 268(5):19-21. Nov.1,1952. 303.8 Sh7

28742 SOULE, R. P. Instructing a meat laboratory course with reference to retail cutting and freezer packaging. Reciprocal Meat Conf. Proc. 5:21-22. 1952. 50.9 R24

28743 STATHER, F. Trane zur sämischgerbung. Deut. Lederinst. Gesam. Abhandl. 8:51-52. 1952. 303.9 F88

28744 STATHER, F., and HERFELD, H. Zur frage der gerberischen bewertung synthetischer austauschgerbstoffe. Deut. Lederinst. Gesam. Abhandl. 8:21-44. 1952. 303.9 F88

28745 STATHER, F. Zur frage des brühens von schweinshäuten. Deut. Lederinst. Gesam. Abhandl. 8: 12-20. 1952. 303.9 F88

28746 VEREIN FUR GERBEREICHEMIE UND -TECHNIK IN KONSTANZ. Jahrestagung (11. bis 13. September 1952). (Sum.) Leder 3:256-261. Oct.1952. 303.8 L492

28747 VICKERY, J. R. Preparation and cooling of meat for local consumption. Refrig. J. 6(3):36,38-39. Sept.1952. 295.8 R255

28748 VOURLOUD, H., and DESJOURS, G. Année 1951 essais de salage de veaux en présence d'antiseptiques. B. du l'Assoc. Franç. des Chim. des Indus. du Cuir et Doc. Sci. et Tech. des Indus. du Cuir 14:133-143. Sept./Oct.1952. 303.8 B87

Statistics

28749 AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Sheep distribution in South Australia, 1936-37 and 1946-47. Canberra,1952. 23 p. 45 Au78Sh

28750 GERMANY. FEDERAL REPUBLIC, 1949-. STATISTISCHES BUNDESAMT. Die viehwirtschaft 1951. Germany. Statis. Bundesamt. Statis. der Bundesrep. Deut. 71,49 p. Oct.1952. 265 G318

28751 NEW ZEALAND. DEPT. OF AGRICULTURE. The annual sheep returns for the year ended 30 June 1951. Wellington,1952. 41 p. 45.9 N482
Statistics.

28752 NORDQUIST, A. V. Changes in cattle numbers on feed shown in "3-State" reports. Agr. Situation 36 (12):3-4. Nov.1952. 1 Ec7Ag

28753 PATON, W. N. Intensity of sheep farming in counties in New Zealand. New Zeal. J. Agr. 85:386-387. Nov.15,1952. 23 N48J

28754 QURESHI, J. M. Recent trends in cattle population of the Punjab. Pakistan Econ. & Com. 1:260-264. May 1952. 280.8 P175
Pakistan.

28755 SOMMERKAMP. Ergebnisse der letzten schweinezählung—marktentwicklung? Landwirtbl. Weser-Ems 99:1060-1061. Oct.16,1952. 18 L2345

28756 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24, census year 1949-50. Special Report Series, No. 14. Live-stock losses. Pretoria,1952. 43 p. 270 So87L

28757 U. S. PRODUCTION AND MARKETING ADMIN. Livestock market news statistics and related data, 1951. U. S. D. A. Statis. B. 118,61 p. Nov.1952. 1 Ag84St

OILS AND OILSEEDS

28758 ALTSCHUL, A. M., FREEMAN, A. F. Broad aspects of tung utilization research. Amer. Tung Oil Assoc. Proc. 19:49-54. 1952. 77.9 Am32

28759 AMERICAN SOYBEAN ASSOCIATION. Soybean bluebook, 1952. Hudson,Iowa,1952. 160 p. 60.39 So92
Includes statistics.

28760 ANGELO, G. G. DELL'. Adjustment of the extraction industry to the variation in the crops in Southern Italy. (In Italian.) Olivicoltura 7:1-5. Sept. 1952. 80 OL42

28761 ASENJO, C. F., and others. Puerto Rican fatty oils. VIII. The characteristics and composition of the oils from the fatty covering and the kernel of the anacaguitas seed (Sterculia apetala (Jacq.) Karst). P. R. U. J. Agr. 36:1-4. Jan.1952. 8 P832J
J. Goyco, S. P. de Pesquera and G. V. de Urrutia, joint authors.

28762 ASTRACK, A., and others. Effects of high intensity electron bursts upon various vegetable and fish oils. Food Res. 17:571-583. Ref. Nov./Dec.1952. 389.8 F7322
O. Sorbye, A. Brasch, and W. Huber, joint authors.

28763 BALTAZAR, E. P. How to cure peanuts. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(5): 17. May 1952. 25 P544P

28764 BHATIA, S., and BHATIA, K. Chemical examination of the essential oil and roots of Homalomena rubescens (Kunth). Soap, Perfumery & Cosmetics 25: 1265-1268. Ref. Dec.1952. 307.8 So13

28765 BONIFACIO, G. The olive in the South. (In Italian.) Gior. di Agr. 62:389. Dec.21,1952. 16 It1G Italy.

28766 CALIFORNIA. BUR. OF MARKETS. Marketing order for canned olive stabilization, effective March 4, 1952. Sacramento?1952. 17 p. 280.39479 C12M

28767 CANDIDA, F. The olive oil year in Calabria. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(104): 7. Dec.12,1952. 281.8 Ag3

28768 CANNATA, U. Present state of the olive problem. (In Italian.) Olivicoltura 7:6-8. Sept.1952. 80 OL42

28769 CHAUDHURI, P. K. B. Protein enrichment of peanut meal by fermentation for improved glue. Trend Engin. U. Wash. 4(4):20-23. Oct.1952. 470 T72 Summary of thesis (Ph.D.) - University of Washington.

28770 CHILD, F., III. Menthol at the crossroads. Drug & Cosmetic Indus. 71:746-747,844-846. Dec.1952. 396.8 D842

28771 CLEMO, G. R., and STEVENS, R. The seed fat of Myrrhis odorata. Chem. Soc. J., Dec.1952:4684-4685. 382 L84J

28772 COBERLY, W. B. Mills face uncertain future under support program. Cotton Gin & Oil Mill Press 54:14,40. Jan.3,1952. 304.8 C822 Cottonseed.

28773 CONSTANTINI, G. J. Extraction of essential oils. Perfumery & Essential Oil Rec. 43:449-450. Dec. 1952. 308.8 P41

28774 COUSINS, E. R., and others. Rice bran oil. VIII. Tank settlings from crude rice bran oil as a source of wax. Amer. Oil Chem. Soc. J. 30:9-14. Ref. Jan.1953. 307.8 J82 S. P. Fore, H. J. Janssen, and R. O. Feuge, joint authors.

28775 DANIELS, T. L. The outlook for fats and oils. Amer. Paint J. Conv. Daily 37(9-B):16-18,20. Nov.19, 1952. 306.8 Am32A

28776 D'AQUIN, E. L., and others. Filtration-extraction of cottonseed. Indus. & Engin. Chem. 45:247-254. Ref. Jan.1953. 381 J825 H. L. E. Vix, J. J. Spadaro, A. V. Graci, P. H. Eaves, C. G. Reuther, L. J. Molaison, E. J. McCourtney, A. J. Crovetto, E. A. Gastrock, and N. B. Knoepfler, joint authors.

28777 DINI, G. Purification of oils and of mixtures obtained from extraction. (In Italian.) Olearia 6:293-295. Sept./Oct.1952. 307.8 OL2 English summary.

28778 FAIRBROTHER, E. M. Tung oil utilization. Amer. Tung Oil Assoc. Proc. 19:55-57. 1952. 77.9 Am32

28779 FELIU, L. Espana y su importancia oleícola. Inst. Agr. Catalán de San Isidro. Rev. 101:184-189. Aug. 1952. 15 Sa5

28780 FLOCKEMANN, J. H. Big scope for linseed production; more lucrative at present prices than many other crops. Farmer's Wk. [Bloemfontein] 84:53,55. Oct. 29,1952. 24 F225 The industry in South Africa.

28781 GEFFROY, H. C. La vérité sûr l'huile, les matières grasses, le lait, le beurre, etc. Paris,La Vie Claire,1952. 55 p. 389.1 G292

28782 GERSHBEN, S. The outlook for oilseeds, fats, and oils in 1952-53. Washington,U. S. Bur. Agr. Econ., 1952. 3 p. 1.90 C2Ou8 Statement at Annual Agricultural Outlook Conference, Washington, D. C., Oct. 23, 1952.

28783 GOMES, P. Economic picture. (In Portuguese) Bras. Açucareiro 40:100-102. July 1952. 65.8 B73 Olives and coffee.

28784 GOVINDARAJAN, V. S., and RAMACHANDRAN, B. V. L-lysine content of some oilseed cakes. J. Sci. & Indus. Res. 11B:477-479. Ref. Nov.1952. 475 J82

28785 GRUMMITT, O., and MARSH, D. Alternative methods for dehydrating castor oil. Amer. Oil Chem. Soc. J 30:21-25. Ref. Jan.1953. 307.8 J82

28786 GUENTHER, E. European and African essential oil outlook. Soap & Sanit. Chem. 29:40-41. Jan. 1953. 307.8 So12

28787 GUENTHER, E. Latest essnetial oil survey; developments in Morocco, France, Italy. Amer. Perfumer & Essential Oil Rev. 60:435-437. Dec.1952. 308.8 Am3

28788 GUPTA, D. K. A note on utilisation of rubber seeds for oil. Oils & Oilseeds J. 5(5):10-11. Nov.1952. 307.8 Oi54

28789 GUPTA, M. L. S., and BASU, U. P. Purification of groundnut oil by chromatography. Indian Chem. Soc. J Indus.& News Ed. 15:39-41. 1952. 385 In27A

28790 HARTARD EBERT, M. Nuestras siembras y cosechas de maravilla. Campesino [Santiago] 84(10):29. 30. Oct.1952. 9.3 So12 Statistics for Chile.

28791 HARTARD EBERT, M. Producción e importación de aceite a base de oleaginosas. Industria 69: 524-525. Sept.1952. 297.9 So1 Statistics for Chile.

28792 HILDITCH, T. P. The seed and fruit fats of plants. Endeavour 11:173-182. Ref. Oct.1952. 472 En2

28793 HINKO, T. Mechanisierung der raffination von speiseöIen. L und E 5(7):13-15. July 1952. 389.8 Z34

28794 HIRANO, M. Problems of U.S. soybeans. Com. Japan 3(8):6-8. Aug.1952. 286.8 C7333

28795 HOLMES, R. L., MINOR, J. C., and MCKINNEY, R. S. Chemical composition of tung hulls and screw-press cake. Amer. Tung Oil Assoc. Proc. 19: 42-48. Ref. 1952. 77.9 Am32

28796 HUANG, W. H. Essential oil of Orthodon carvoniferum Huang (sp. nov.). Amer. Perfumer & Essential Oil Rev. 60:431-433. Dec.1952. 308.8 Am3

28797 HUGHES, A. D. Improvements in the field distillation of peppermint oil. Oreg. Agr. Expt. Sta. B. 525,60 p. Aug.1952. 100 Or3

28798 HUNT, W. H., and others. The quick oil test. Soybean Digest 13(2):17-18. Dec.1952. 60.38 So9 M. H. Neustadt, J. H. Hart, and L. Zeleny, joint authors.

28799 JORDAN, L. A. Commentary on drying oils. Chem. & Indus. 50:1208-1212. Dec.13,1952. 382 M31C

28800 KELLER, H. Zur neutralrotprobe und nilblausulfatprobe für die fettuntersuchung. Lebensmitteltierarzt 3:105-106. Nov.1952. 41.8 L49

28801 KHAN, N. A. Selective reduction of the unsaturated compounds. II. Preparation and properties of oleic acid and methyl oleate. Amer. Oil Chem. Soc. J. 30:40-43. Ref. Jan.1953. 307.8 J82

28802 LEA, C. H. Methods for determining peroxide in lipids. J. Sci. Food & Agr. 3:586-594. Ref. Dec. 1952. 382 So12

28803 LEE, J. G., and WATSON, J. A. The detoxication of tung meal. Amer. Oil Chem. Soc. J. 30:32-34. Jan.1953. 307.8 J82

28804 L'EPLATTENIER, J. J. Nardenized oils. (In Italian.) Riv. Ital. Essenze-Profumi-Piante Officinalili—Olii Veg.—Saponi 34:439-444. Sept.15,1952. 308.8 R52 Method of essential oil improvement developed in the Usines Chimiques "Naarden" in Holland.

28805 MAGELI, O. L., PATTESON, E. W., and SPENCER, E. Y. Hydroxylation and epoxidation of rapeseed oil derivatives with subsequent pyrolysis and ammonolysis. Canad. J. Chem. 31:23-29. Ref. Jan.1953. 470 C16B

28806 MAGNE, F. C., DURR, R. L., and SKAU, E. L. Density-composition-temperature data for rice bran oil-commercial hexane miscellas. Amer. Oil Chem. Soc. J. 30:8-9. Jan.1953. 307.8 J82

28807 MARKLEY, K. S. La cera de caranday [Copernicia australis]. Asunción,Paraguay,1952. 18 p. 77 M343

28808 MEISSNER, F. Civil Rights for margarine: a short review of anti-margarine laws in the United States. Soybean Digest 13(2):8-9,11-13. Dec.1952. 60.38 So9

28809 MELLO, M. DE L. The miraculous soybean through the times. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(5):44-46. May 1952. 9.2 M663

28810 MELLO, M. DE L. What the soybean is. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(6):63-71. June 1952. 9.2 M663

28811 MONSELISE, J. J., and GUÉRON, I. Méthode potentiométrique rapide pour la détermination des aldéhydes et de l'acidité dans les huiles essentielles d'agrumes. Indus. Agr. et Aliment. 69:703-704. Sept./Oct.1952. 383 As7
English summary.

28812 MURRAY, K. E., and SCHOENFELD, R. Studies of waxes. VI. The n-acids of carnauba wax. Amer. Oil Chem. Soc. J. 30:25-27. Ref. Jan.1953. 307.8 J82

28813 NASCÈ, S. Olive oil in jars. (In Italian.) Terra e Sole 123:372-373,382. Nov.1952. 16 T273

28814 NEIRINCKX, G., and STRUELENS, H. Acide palmitique; purification de cet acide et de ses produits d'alcoolyse en vue de l'analyse thermique de leurs systèmes binaires et ternaires. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:987-998. Dec.1952. 24 K83

28815 OIL & FAT IMPORTERS & EXPORTERS ASSOCIATION, TOKYO. Annual review for 1951 to oilseeds, oils and oilcakes. Tokyo,1952. 15 p. 286.88 Oi5
Statistics.

28816 ORTEGA, J. M. La calidad de los productos agrícolas: elaboración de aceites finos. Asoc. Nac. de Ingen. Agrón. B. 3(31):3-6. Oct.1952. 58.9 As5
Olive oil.

28817 PACKMAN, D. J. Soybean production in Ontario. Econ. Annal. 22:131-137. Dec.1952. 281.8 Ec72

28818 PAEZ CLIVIO, J. La soya en el Perú. Vida Agr. [Lima] 29:909-913,915-916. Oct.1952. 9.8 V66

28819 PARIS. INSTITUT DE RECHERCHES POUR LES HUILES DE PALME ET OLÉAGINEUX. Rapport annuel, 1951. Paris,1951. 83 p. 77.9 P21

28820 PHATAK, S. S., MAHADEVAN, A. P., and PATWARDHAN, V. N. Identification of iso-oleic acids present in hydrogenated fats by paper chromatography. Cur. Sci. 21:162-163. June 1952. 475 Sci23

28821 POMAROLA, H. Sous-produits oleicoles: étude de l'utilisation des boues provenant de la presse continue Blachère - de Laval. Ecole Colon. d'Agr. de Tunis, Assoc. Amicale des Anciens Elèves. B. Période. 134:34-38. May/June 1952. 24 T833B

28822 PORTEOUS, W. L. Utilization and prices of soybeans in Canada. Econ. Annal. 22:125-131. Dec. 1952. 281.8 Ec72

28823 PRICHARD, G. L. Outlook for flaxseed and linseed oil, 1953. Washington,U. S. Prod. & Mktg. Admin, 1952. 8 p. 1.956 F26P93
Address at meeting of the Flax Institute of the United States, Minneapolis, Nov. 7, 1952.

28824 PRIVETT, O. S., LUNDBERG, W. O., and NICKELL, C. Preparation of peroxide concentrates from autoxidized fatty acid esters. Amer. Oil Chem. Soc. J. 30:17-21. Ref. Jan.1953. 307.8 J82

28825 REED, I. F., and COPELOCK, G. E. Effects of some factors on the operation of peanut shellers and quality of seed produced. Peanut J. & Nut World 32(2): 24-25,48-49. Dec.1952. 77.8 P313

28826 REUTHER, C. G., and others. A preliminary study pf the effect of moisture content, rolling, and cooking of cottonseed meats on the chemical properties of of hydraulic-pressed meals. Amer. Oil Chem. Soc. J. 30:28-32. Ref. Jan.1953. 307.8 J82
M. F. H. LeBlanc, D. M. Batson, and N. B. Knoepfler, joint authors.

28827 RICKMERS, P. F. Die öle und fette in wirtschaft und technik; ihre gewinnung, veredlung, verwertung und volkswirtschaftliche bedeutung. Augsburg,Ziolkowsky,1951. 272 p. 307 R42

28828 RIEPMA, S. F. Year-end statement of the National Association of Margarine Manufacturers. Oil Mill Gaz. 57(7):15-17. Jan.1953. 307.8 Oi53

28829 RIGAMONTI, R. Separation of unsaturated acids by extraction and partial neutralisation. (In Italian.) Olearia 6:289-292. Sept./Oct.1952. 307.8 OL2
English summary.

28830 SALE, J. W. Analysis of lemon oil for adulteration. Drug & Allied Indus. 38(12):19-20. Dec.1952. 396.8 St2

28831 SANKAR, D. V. S. Proteins and other nitrogenous constituents of the castor seed. I-III. Indian Chem. Soc. J. Indus. & News Ed. 15:45-63. Ref. 1952. 385 In27A

28832 SEAVELL, A. J., and SLEIGHTHOLME, J. J. Factors affecting the heat thickening of linseed oil. Amer. Paint J. Conv. Daily 37(9-D):13-18. Nov.21, 1952. 306.8 Am32A

28833 SERV. TÉCNICO INTERAMERICANO DE COOPERACIÓN AGRÍCOLA. El aceite en el Paraguay, por el Dr. K. S. Markley. No. 102-108, 110. Asunción, El Arte,1952. 8 Nos. 307.9 Se6
102, Maní; 103, Semilla de algodón; 104, Ricino; 105, Sésamo; 106, Soja; 107, Girasol; 108, Linaza; 110, Tung.

28834 SETHI, S. C., and AGGARWAL, J. S. Stabilization of edible fats by spices & condiments. I. J. Sci. & Indus. Res. 11B:468-470. Nov.1952. 475 J82

28835 SHORLAND, F. B. Fats and New Zealand's economy. Food Mfr. 78:21-26. Jan.1953. 389.8 F736

28836 SINGH, M. Vegetable oilseeds and oils. India. Dir. Econ. & Statis. Agr. Situation India 7:333-341. Sept.1952. 281.9 In23
The industry in India.

28837 SMITH, G. E. The English essential oils; opinions and facts. Perfumery & Essential Oil Rec. 43: 445-448. Dec.1952. 308.8 P41

28838 SMITH, P. L. New process for fat extraction. Amer. Perfumer & Essential Oil Rev. 60:464. Dec.1952. 308.8 Am3

28839 SPEERS, A. M. Butterfat or vegetable oils? A scientist's view; a transcript of a recorded interview with W. E. Peterson. Winnipeg,1952. 4 p. 44 Sp3

28840 STRONG, J. B. Western beans come east for processing. East. Feed Merchant 4:34-36. Jan.1953. 389.78 Ea7
Soybean oil extraction.

28841 SWERN, D., and PARKER, W. E. Application of urea complexes in the purification of fatty acids, esters, and alcohols. III. Amer. Oil Chem. Soc. J. 30: 5-7. Ref. Jan.1953. 307.8 J82

28842 TAGGART, M. F. Paints are chemurgic. Chemurg. Digest 11(12):4-6. Dec.1952. 381 N213Na
Includes use of vegetable oils.

28843 TAIGNER, E. Fettversorgung und ernährung. L und E 5(6):3-4. June 1952. 389.8 Z34
Austria.

28844 THURIAUX, L. Acidification de l'huile de palme par la vapeur d'eau atmosphérique. Inst. Natl. pour l'Étude Agron. du Congo Belge. B. d'Inform. 1:287-288. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4). Dec.1952. 24 K83

28845 TIHON, L. Quelques graines oléagineuses peu connues du Congo Belge. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:979-986. Dec.1952. 24 K83
Analysis and composition.

28846 TREYBAL, R. E. Solvent extraction. Unit Oper. Rev., p.58-67. Ref. In Indus. & Engin. Chem. 45 (1). Jan.1953. 381 J825

28847 U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. Cottonseed Processing Clinic, April 14-15, 1952. New Orleans,1952. 59 p. 1.9321 S2C82

28848 VYAS, M. T., and DESAI, C. M. A note on chemical examination of the seeds and bark of Jatropha curcas, Linn. Indian Chem. Soc. J. Indus. & News Ed. 15:74-75. 1952. 385 In27A

28849 VYAS, M. T., and DESAI, C. M. Utilisation of seeds and bark of Jatropha curcas (Linn). Indian Chem. Soc. J. Indus. & News Ed. 15:68-73. 1952. 385 In27A

28850 WATANABE, T., HAYAKAWA, A., and KAMATA, H. The study on the soybean protein. IV-VI. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:11-14. Sept. 1952. 389.9 T57

28851 WEBB, A. D., KEPNER, R. E., and IKEDA, R. M. Composition of a typical grape brandy fusel oil. Analyt. Chem. 24:1944-1949. Ref. Dec.1952. 381 J825A

28852 WOLFF, G., and WOLFF, J. P. Distinction entre huiles vierges et huiles raffinées; cas des huiles d'olives et des huiles d'amandes. Feuille d'Inform. Oleicoles 22:1045-1051. Apr./Sept.1952. 80 F432

28853 WORMS, P. Les matières premières dans l'huilerie en 1951. Oléagineux 7:705-708. Dec.1952. 77.8 OL2

POULTRY AND POULTRY PRODUCTS

28854 ABBOTT, J. C. Production and marketing trends in the fryer industry. Feed Age 3:26-29,53-54. Jan.1953. 389.78 F327

28855 ALMGREN, K. Aggkvalitetens förändring genom temperatur och fuktighet (för belysning av ett transportproblem). Change in egg quality due to temperature and moisture (for the elucidation of a transport problem.) Svenska Inst. f. Konservforsk. P. 67,32 p. 1952. 389.9 Sv2

28856 BAKER, R. C., and EARLE, W. Broilers—where are we going? N. Y. Agr. Col. Ext. Cornell Feed Serv. 37:10-11. Nov.1952. 275.29 N48Cf
The situation in New York.

28857 BARCELO GARCIA DE PAREDES, A. La avicultura y los números. Balearic Isl. Diputación Prov. B. de Agr. 96:5. Sept.1952. 15 B19
Spanish poultry population.

28858 BATCHELLER, D. A multi-million dollar shell game. (Condensed.) Canada Poultryman 39(11):21-24. Nov.1952. 47.8 C166
Poultry and egg industry in Canada.

28859 BEALS, G. First promotion completed under new California Turkey Promotion Advisory Board. Calif. Turkey News 24:15,72. Sept.1952. 47.38 C12

28860 BILLINGS, W. A. Minnesota ideas on turkey production. Calif. Turkey News 24:51,53,77. Sept.1952. 47.38 C12

28861 BLACKSTONE, J. H. Alabama's egg industry; an analysis of egg production and consumption, and of marketing practices that affect Alabama's egg industry. Ala. Agr. Expt. Sta. B. 283,67 p. Oct.1952. 100 AL1S

28862 BOTWRIGHT, W. E. Soiled eggs must be cleaned. Poultry Processing & Mktg. 59(2):18,35-36. Feb.1953. 286.85 Eg3

28863 BROWN, B. I. Is the poultry industry improving its product to meet market demand? Soeast. Poultryman 5(12):4,18-21. Dec.1952. 47.8 So872

28864 BYERLY, T. C. How many broilers? Farm J. 77:36,56. Jan.1953. 6 F2212

28865 CHAPMAN, P. W. Why the Southeast should make more money from poultry. Soeast. Poultryman 6 (1):46-47,116-119. Jan.1953. 47.8 So872
The industry.

28866 CORREA, J. E. La avicultura en Holanda. I-III. Uruguay. Min. de Ganad. y Agr. B. Inform. 433:5; 435:10; 436:9-10. Sept.18,Oct.2-9,1952. 9.9 G15B

28867 CUMMINGS, V. Turkey fryers gain popularity in Indiana. Purdue Agr. 44:16-17. Oct.1952. 6 P97

28868 DANA, D. Thanksgiving turkey market viewed in retrospect. Amer. Egg & Poultry Rev. 14(12):6-7. Dec.1952. 47.8 Am38

28869 DANKERS, W. H., and COOKE, C. More money for eggs. Minn. U. Agr. Ext. Folder 80,8 p. June 1952. 275.29 M66Ex
Quality in eggs.

28870 DARRAH, L. B. Interregional competition—poultry and eggs. J. Farm Econ. 34:908-911. Dec.1952. 280.8 J822

28871 DAVEY, A. D. The industry reviewed for 1952. (Condensed.) Canada Poultryman 39(11):4,26-29. Nov. 1952. 47.8 C166

28872 DAVIS, L. L., and COE, M. Edible meat yields from small turkeys compare favorably with larger birds. Soeast. Poultryman 6(1):58,126-129. Jan. 1953. 47.8 So872

28873 DOSSIN, C. O. A good egg room helps produce quality eggs. Pa. Farmer 148:60-61. Jan.10,1953. 6 P383

28874 DREWS, H. E. Poultry markets not saturated. Amer. Poultry J. 84:19,38-39. Jan.1953. 47.8 Am32

28875 EASTWOOD, R. A., and SCANLAN, J. J. Operating costs of 15 cooperative poultry dressing plants. U. S. Farm Credit Admin. B. 70,73 p. June 1952. 166.2 B87

28876 EGGLETON, L. Z. Grade buying pays off in quality eggs. Poultry Processing & Mktg. 59(2):14-15, 30,32. Feb.1953. 286.85 Eg3

28877 FITCH, K. A. Cleaning problems can be solved. Poultry Processing & Mktg. 59(2):16,34-35. Feb.1953. 286.85 Eg3
Poultry processing plants.

28878 FROST, F. L. Preparing table poultry. Poultry World 91(25,sup.):i-vii. Dec.18,1952. 47.8 P8682
Photographs.

28879 GRIMBLEBY, F. H., and BLACK, D. J. G. Variations in the composition of egg-yolk pigment. Brit. J. Nutr. 6:393-397. Ref. 1952. 389.8 B773

28880 HAMMOND, W. R. M. The future of egg marketing. Poultry Indus. [Milford] 18:43-44. Jan.1, 1953. 47.8 P8644
Great Britain.

28881 HARNS, J. V., and others. The use of angel food cake to test egg white quality. Poultry Sci. 31:1083-1087. Ref. Nov.1952. 47.8 Am33P
E. A. Sauter, B. A. McLaren, and W. J. Stadelman, joint authors.

28882 HARPER, W. W., and PENNY, N. M. Marketing eggs through hatcheries in Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 40,30 p. Apr.1952. 100 G29M

28883 HARTLEY, M. L. Year around market for turkeys in home freezers and locker plants. (Condensed.) Norbest Turkey News 17(5):4-6. Nov.1952. 47.38 N75

28884 HATCHERY AND FEED. Directory number, 1953 merchandising and sales edition. Hatchery & Feed 27(1),106 p. Jan.1953. 47.8 H28

28885 HERTEL, J. Poultry south of the border. Pacific Poultryman 57:7,61-63. Jan.1953. 47.8 P112
Panama and Mexico.

28886 HOUSH, C. C. Why turkeys in the Southeast? Soeast. Poultryman 6(1):44-45,131-133. Jan.1953. 47.8 So872

28887 JOHNDREW, O. F. Marketing research in the Poultry Branch [of the Production and Marketing Administration]. Amer. Egg & Poultry Rev. 14(12):14-16. (Concl.) Dec.1952. 47.8 Am38
On poultry and egg merchandising schools.

28888 JUDGE, G. G. Some data and graphs pertaining to the Connecticut and United States broiler industry. Conn. (Storrs) Agr. Expt. Sta. INF-42,26 p. July 1952. 100 C76I

28889 KAHLENBERG, O. J., and others. A study of the washing and storage of dirty shell eggs. U. S. D. A. C. 911,32 p. Ref. Oct.1952. 1 Ag84C
J. M. Gorman, H. E. Goresline, M. A. Howe, and E. R. Baush, joint authors.

28890 KARPOFF, E. Big part of turkey crop has already been eaten. Agr. Situation 36(11):9-10. Nov. 1952. 1 Ec7Ag

28891 KARPOFF, E. 1953 should be a better year for chick output. Hatchery & Feed 27:10,12,14. Jan.1953. 47.8 H28

28892 KARPOFF, E. Slower growth foreseen for broiler industry in 1953. Broiler Growing 4:12-13,32. Jan.1953. 47.8 B782

28893 KING, G. E., and BAKER, J. M. Broilers in six north Louisiana parishes. La. Agr. Expt. Sta. Mimeog. C. 138,12 p. July 1952. 100 L935

28894 KOHLS, R. L., and WALZ, T. C. Broiler trucker-buyers in Indiana. Ind. Agr. Expt. Sta. B. 580, 24 p. Sept.1952. 100 In2P

28895 LARKIN, R. C. The commercial poultry industry in the Southeast: past—present—future. Soeast. Poultryman 6(1):42-43,120-126. Jan.1953. 47.8 So872

28896 LARZELERE, H. E. Costs and utilization of labor at four egg grading stations in Michigan. Poultry Sci. 31:1087-1092. Nov.1952. 47.8 Am33P

28897 LA TOUR, C. Utah cooperative serves big area. Amer. Poultry J. 84:17,40. Jan.1953. 47.8 Am32

28898 LOHMAN, A. G. Combining eggs and poultry marketing with farm supply purchasing. Amer. Coop. 24:627-629. 1952. 280.29 Am3A

28899 LUELMO, J. M. El precio de los huevos. Avicult. Téc. 5:78-79. Sept.1952. 47.8 Av57
Spain.

28900 LULLO, C. DI. The ice is broken—finally. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(102): 3-6. Dec.6,1952. 281.8 Ag3
Observations on the Italian poultry industry.

28901 MCAULEY, M., THIESSEN, E., and PURKO, M. Thermo stabilization and its effect on representative organisms in shell eggs. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:23. Oct.1952. 500 C717

28902 MCIVER, W. L. Preserving eggs. N. Z. Poultry World 15:319,321. Oct.1952. 47.8 N11

28903 MCNALLY, E. H. Effect of drying after washing on the incidence of eggs infected by spoilage micro-organisms. Poultry Sci. 31:1102-1104. Nov.1952. 47.8 Am33P

28904 MALINOVSKY, E. Smoking turkey. Turkey World 28:24,26. Jan.1953. 47.38 T84

28905 MASTERSON, F. PENB helps sell your broilers. Broiler Growing 4:19-20,22. Jan.1953. 47.8 B782

28906 MELCHIOR, F. Can bloodspots be overcome? Pacific Poultryman 57:4,44,46-47. Jan.1953. 47.8 P112

28907 MIDDLETON, C. A., and TAYLOR, H. M. Statistical summary, 1952. Soeast. Poultryman 6(1):52-53,134-136. Jan.1953. 47.8 So872

28908 MOORE, J. S. Keep quality in nest. Fla. Poultry & Farm J. 18(12):2-3,7,10. Dec.1952. 47.8 F66
Eggs.

28909 MOORE, J. S. Nest to consumer. For Sale, Want & Exch. B. 7(2):1. Nov.15,1952. 280.38 F74
Egg marketing.

28910 NEUMANN, M. Forderungen für 1953; rückblick und vorschau anlässlich des 5-jährigen bestehens des Zentralverbandes des Eier-, Wild-, Geflügel- und Honiggrosshandels e. V., Frankfurt am Main. Eier-, Wild-, Geflügel- u. Honig-Markt 4:1-2. Oct.29,1952. 280.38 E13

28911 NICKLAS, W. F., and BAKER, J. M. Marketing eggs by producers E. Baton Rouge Parish Louisiana. La. Agr. Expt. Sta. Mimeog. C. 135,18 p. June 1952. 100 L935

28912 OWENS, A. L. Factors affecting egg quality on farms. World's Poultry Sci. J. 8:266-270. Oct./Dec. 1952. 47.8 W89

28913 PLATT, F. L. Forecasts and trends for 1953. Everybodys Poultry Mag. 58:9,46-47. Jan.1953. 47.8 F213P

28914 PREISS. Die holländische geflügelwirtschaft. Deut. Wirtgeflügelzucht. 5:105-107. Nov.29,1952. 47.8 D483

28915 ROY, E. P., and BAKER, J. M. Commercial hatcheries in Louisiana. La. Agr. Expt. Sta. Mimeog. C. 140,18 p. Aug.1952. 100 L935

28916 SAUTER, E. A., STADELMAN, W. J., and CARVER, J. S. Factors affecting the incidence of blood spots and their detection in hen's eggs. Poultry Sci. 31: 1042-1049. Ref. Nov.1952. 47.8 Am33P

28917 SCANLAN, J. J. Developing a central marketing agency. Amer. Coop. 24:633-640. 1952. 280.29 Am3A
Poultry.

28918 SCANLAN, J. J. Poultry co-ops promote premium performance. News Farmer Coop. 19(10):8,14. Jan.1953. 166.2 N47

28919 SHOMO, H. How far and how fast can we go with the turkey broiler? Soeast. Poultryman 5(11):10,22-25. Nov.1952. 47.8 So872

28920 SMITH, L. M. JR. The turkey at home and abroad. Foreign Agr. 16:191-193. Nov.1952. 1.9 Ec7For

28921 SOUDERS, K. M. The cooperative merchandising of poultry. Amer. Coop. 24:630-632. 1952. 280.29 Am3A

28922 STEWART, G. F. The turkey marketing revolution. Calif. Turkey News 24:29,31. Sept.1952. 47.38 C12

28923 STILLWELL, E. W. How Safeway Stores promote turkey 'round the calendar. Soeast. Poultryman 5(11):6-7. Nov.1952. 47.8 So872

28924 SWEET, M. Are small turkeys a good buy? Norbest Turkey News 17(6):1,4,6. Dec.1952. 47.38 N75

28925 THIEULIN, G. Hygiène et inspection des oeufs. Rec. de Méd. Vét. 128:265-281. May 1952. 41.8 R24
France.

28926 TURKEY WORLD. 1953 directory and annual review. Turkey World 28(1),144 p. Jan.1953. 47.38 T84

28927 U. S. BUR. OF AGRICULTURAL ECONOMICS. Chickens and eggs; monthly egg production, young chickens and layers on farms, and rate of lay, by States and geographic divisions, 1945-50. Revised estimates, by E. S. Kimball, P. W. Smith, and R. F. Moore. Washington,1952. 47 p. 1.941 H2P867

28928 U. S. PRODUCTION AND MARKETING ADMIN. Know the poultry you buy. U. S. D. A. PA-170,8 p.-folder. Nov.1952. 1 Ag84Pro
Grade and quality.

28929 U. S. PRODUCTION AND MARKETING ADMIN. List of plants approved under the poultry inspection and grading program. Washington,1952. 25 p. 1.956 P86L692

28930 U. S. PRODUCTION AND MARKETING ADMIN. List of plants operating under the poultry and poultry products inspection and grading programs. Washington, 1952. 44 p. 1.956 P86L692

28931 VAITSMAN, J. Hens can be entirely utilized; the industrial utilization of poultry byproducts. (In Portuguese.) Chacaras e Quintais 86:84-85. July 15, 1952. 9.2 C34

28932 VAN PELT, W. Producing quality eggs. Coop. Poultryman 17(12):20-23,38-39. Dec.1952. 47.8 C782

28933 VARELA MARTINEZ, R. Desarrollo de la industria avícola de Colombia. Agr. Trop. 8(10):21-22. Oct.1952. 26 Ag8

28934 VICKERS, G. S. Facts to consider when buying your baby chicks. Everybodys Poultry Mag. 58:12,30-31. Jan.1953. 47.8 F213P

28935 WARREN, C. C. Outlook for 1953. Turkey World 28:10-12,34-35. Jan.1953. 47.38 T84

28936 WASMUTH, J. Merchandising activities expanded by Institute of American Poultry Industries. Poultry Processing & Mktg. 59(2):20,43-44. Feb.1953. 286.85 Eg3

28937 WISEMAN, R. C. Report of the Federal-State grading and inspection service on poultry and poultry products in Ohio for the year 1951. n.p.,1952. 8 p. 280.3479 Oh3R

28938 ZICH, G. E. To wash or not to wash eggs. Poultry Tribune 59(2):9,40. Feb.1953. 47.8 P8642

RUBBER AND RUBBER SUBSTITUTES

28939 ARENTZEN, A. G. J., and BREEJEN, W. DEN. An investigation on the technical classification of Indonesian rubbers. Arch. v. de Rubbercult. 29:1-29. Oct.1952. 78.8 Ar2

28940 BLOW, C. M. Physics and chemistry of raw rubber and rubber derivatives, gutta-percha, balata, chicle and jelutong. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 15:28-35. 1951. 305.9 In7A

28941 CLINEBELL, B. J., and STRAKA, L. E. Engineering developments of rubber: 1951-52. Rubber Age 72:485-492. Ref. Jan.1953. 305.8 R82

28942 DECKER, H. C. J. DE. Technique and policy in the rubber world. (In Dutch.) Bergcultures 21:481, 483,485-486. Nov.16,1952. 22.5 B45

28943 FLINT, C. F. Properties, applications and utilisation of latex. Inst. Rubber Indus. Annu. Rpt. Prog. Rubber Technol. 15:19-27. Ref. 1951. 305.9 In7A

28944 GENIN, G. Les caoutchoucs synthétiques, aspects technique et économique. II. Indus. Chim. 39: 313-320. Nov.1952. 383 In2

28945 GENIN, G. Les caoutchoucs synthétiques; aspects technique et économique. III. Indus. Chim. 39: 349-354. Dec.1952. 383 In2

28946 GILS, G. E. VAN. Studies on the viscosity of Hevea latex. II. Arch. v. de Rubbercult. 29:81-91. Oct.1952. 78.8 Ar2

28947 HEINISCH, K. F. Coating and marking of rubber bales. Arch. v. de Rubbercult. 29:65-80. Oct. 1952. 78.8 Ar2

28948 HEINISCH, K. F. La déformation des balles de caoutchouc. Rev. Gén. du Caoutchouc 29:812-816. Nov.1952. 305.8 R32
English summary, p. 820.

28949 HEINISCH, K. F. Deformation of rubberbales. Arch. v. de Rubbercult. 29:93-138. Ref. Oct.1952. 78.8 Ar2

28950 HEINISCH, K. F. A survey on dirt content of natural rubber. India Rubber World 127:503-504. Jan.1953. 305.8 In2

28951 INDIA. TARIFF BOARD. Report on prices for raw rubber and protection and assistance to the rubber plantation industry. Bombay,1952. 105 p. 305 In22

28952 KITIYAKARA, M. R. K. Our rubber problem. Bangkok Chamber Com. J. 6(9):3. Sept.1952. 287 B225

28953 LEPETIT, F. L'emploi de l'huile dans les mélanges de latex. Rev. Gén. du Caoutchouc 29:803-805. Nov.1952. 305.8 R32
English summary, p. 820.

28954 YOUNG, D. The future of latex foam. Rubber Age & Synthetics 33:400. Nov.1952. 305.8 R824

SEEDS

28955 AHRER, K. Kleesaatgut reinigen! Bauer 5(43): 3-5. Dec.6,1952. 19 B32

28956 BARBA, L. DELLA. Seeds and fertilizers. (In Italian.) Agr. Ferrarese 56:12-14. Jan.31,1952. 16 Ag87
Quality.

28957 BRETT, C. C. Factors affecting the viability of grass and legume seed in storage and during shipment. Internatl. Grassland Conf. Abs. Papers 6(F):9-10. 1952. (Doc.5) 60.19 In86

28958 CALIFORNIA CROP IMPROVEMENT ASSOCIATION. California certified seed directory, 1952 production. Davis, 1952. 17 p. 61.9 C124

28959 DANIELSEN, N. V. V. Some New Year's observations. (In Danish.) Dansk Frøavl 36:1-4. Jan.1, 1953. 61.8 D23
Seed industry in Denmark.

28960 ELLENA, G. Seeds and fertilizer in the farm balance. (In Italian.) B. dell'Agr. 86(38):1. Oct.3,1952. 16 B87
Italy.

28961 GEISZLER, G. N., and BURNHAM, J. Minot Station keeps its promise. N. Dak. Agr. Expt. Sta. Bimon. B. 15:65-70. Nov./Dec.1952. 100 N813B
Grain and grass seed distribution by the North Central Agricultural Experiment Station, Minot.

28962 GRÜNE, A. Die verwendung von keimprüfpapieren. Getreide u. Mehl 2:106-108. Sept.1952. 298.8 G332

28963 HASTINGS, H. G. Early days in the seed trade of the South. Seed World 72(2):12,14. (Cont.) Jan.16, 1953. 61.8 Se52

28964 IDAHO CROP IMPROVEMENT ASSOCIATION. Seed sources of Idaho certified alfalfa, clovers, grasses, beans, barley, oats, wheat, onions, potatoes, for 1953 plantings. Boise, 1952. 89 p. 225 Id1

28965 ILLINOIS CROP IMPROVEMENT ASSOCIATION. Field seed certification guide. Soybeans, seed directory of 1952 crop. Urbana, 1952. 12 p. 61.9 IL6So

28966 ISELY, D. The training of seed analysts. Grain & Feed J. Consolidated 109(12):11-12. Dec.24, 1952. 298.8 G762

28967 JACOBSEN, J. B. C. The seed crop 1952. (In Danish.) Dansk Frøavl 35:281-287. Dec.1,1952. 61.8 D83

28968 LEGGATT, C W. Progress in developing international rules for testing forage seeds. Internatl. Grassland Conf. Abs. Papers 6(F):29. 1952. (Doc.5) 60.19 In86

28969 LIEBENBERG, L. C. C. Seed from S. A. forage plants: an industry worth millions of pounds is possible. (In Afrikaans.) Wolboer 6(4):8-9. Nov.1952. 45.8 W83
English summary, p. 36.

28970 MILLER, K. By any other name. Mktg. Activ. 15(10):3-5. Oct.1952. 1.942 A8M34
Eliminating use of different names for the same variety of seeds on labels and in advertising.

28971 NEBRASKA CROP IMPROVEMENT ASSOCIATION. Nebraska certified seed directory 1952 (fall edition). Lincoln, 1952. 51 p. 225 N272

28972 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. A manual of seed testing, by A. Myers. Sydney, 1952. 80 p. 61 N47

28973 OLSONEN, K. Samen von nesselseide und kleeseide unter in Finnland gewachsenen samen von timothee und klee. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:124-126. 1952. 20 Su7M
German summary.

28974 PIERSON, R. Retailers' aid is needed to help spread certification story. Seed World 71(12):18,38-39. Dec.19,1952. 61.8 Se52

28975 SCHOOREL, A. F. The purity test of the Government Seed Testing Station. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:401-411. Nov.1952. 12 N383M

28976 SCHRODER. Zur verwendung von anerkannten saatgut. Praxis u. Forsch. 4:129-130. Oct.20,1952. 18 P89
Germany.

28977 SCHULZE, O. Bedingungen im saatgetreidehandel. Landwarenkaufmann 35:1. (Cont.) In Ernährungsdienst 7(138). Nov.29,1952. 389.8 Er62
Germany.

28978 U. S. DEPT. OF AGRICULTURE. NATIONAL AGRICULTURAL MOBILIZATION COMMITTEE. Estimate of use of grass and legume seeds, 1951, 1953, and 1958. Washington, 1952. 29 p. 1.91 C2N213E

28979 U. S. FOREST SERV. 1952 seed dealers' list; a directory of commercial dealers in seeds and planting stock for some common trees and shrubs. Washington? 1952. 15 p. 1.962 A2Se3

28980 U. S. PRODUCTION AND MARKETING ADMIN. Manual for testing agricultural and vegetable seeds. U. S. D. A. Agr. Handb. 30,440 p. Ref. 1952. 1 Ag84Ah
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.
Supersedes Miscellaneous Publication 437, Testing farm seeds in home and school, by A. F. Musil.

SUGAR AND SIRUPS

28981 AMALGAMATED SUGAR CO. Fifty-fourth annual report for the fiscal year ended September 30, 1952. Ogden, 1952. 12 p. 66.9 Am1

28982 ANASTASSIADIS, P. A., and WHEAT, J. A. Some factors affecting the fermentation of beet molasses by Pseudomonas hydrophila. Canad. J. Technol. 31:1-8. Jan.1953. 470 C16F

28983 ANDRES. Molität, milliliter und neue nomenklatur. Zucker 5:390. Sept.1,1952. 65.8 Z82

28984 ANDUX, M. Método volumétrico para productos de bajo contenido de azucares reductores. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:377-378. Oct. 1952. 65.9 As5B

28985 BALCH, R. T. Further notes on starch in Louisiana canes, juices and raw sugars. Sugar J. 15(8): 11-12,14-15. Jan.1953. 65.8 Su391

28986 BASOMBRIO ECHENIQUE, E. Utilización de la melaza y del alcohol en el Perú. Vida Agr. [Lima] 29:857,859,861,863,865,867,869,871,873,875,877,879-880. Oct.1952. 9.8 V66

28987 BECKER, D. Die vorscheidung nach Brieghel-Müller. Zucker 5:383-385. Sept.1,1952. 65.8 Z82

28988 CLARK, J. M. Australian sugar industry; wholesale prices and domestic and export rebates. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:164-167. Oct.1952. 281.9 Au73

28989 COMHLUCHT SIUICRE EIREANN, TEO. The price of beet, the price of pulp and other conditions of contract, season 1952-53. Dublin, 1952. 7 p. 284.3669 C73

28990 EMMERICH, A. Arbeitsvorschrift für die qualitätsbestimmung von verbrauchszuckern. Zucker 5:416-418. Sept.15,1952. 65.8 Z82

28991 FINDLEY, T. W. Molecular distillation and chromatographic analysis in the investigation of natural waxes, with special reference to sugar cane cuticle wax. Ohio State U. Abs. Doct. Diss. 63:49-55. 1952. 241.8 Oh3

28992 FORT, C. A., and SMITH, B. A. Analytical studies of sugarcane juices processed on a pilot plant scale. Sugar J. 15(7):34-40. Dec.1952. 65.8 Su391

28993 GANDHI, M. P., ed. The Indian sugar industry (1951-52 annual), v. 16. Bombay, 1952. 350 p. 65.8 In24

28994 HADORN, H. Studien über die inversion der saccharose mittels salzsäure sowie über das verhalten anderer zuckerarten. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:211-219. Ref. 1952. 389.9 Sw6

28995 HUANG, J. C. Dr. Schenck visited Pingtung sugar mills. Taiwan Sugar Corp. TSC News Let. 10:1-4 Jan.20,1952. 65.9 T13

28996 HUANG, J. C. MSA sugar survey team discussed Taiwan sugar industry. Taiwan Sugar Corp. TSC News Let. 2(5):1-7. Sept.10,1952. 65.9 T13

28997 INDIAN INSTITUTE OF SUGAR TECHNOLOGY. Review of the sugar industry of India for 1949-50. India. Dir. Econ. & Statis. Agr. Situation India 7:210-221. July 1952. 281.9 In23

28998 JEANES, A. Dextran, a selected bibliography. U. S. Bur. Agr. & Indus. Chem. AIC-288,rev.,42 p. June 1952. 1.932 A2Ag82

28999 KUHNE, G. Westdeutschlands zuckerrübenanbau 1945 bis 1951: statistischer überblick. Zucker 5: 391-397. Sept.1,1952. 65.8 Z82

29000 LANDRY, C. E. Rapport sur les activités du département de chimie. Abeille et l'Erable (ser.2)21: 132. Nov.1952. 424.8 Ab32
Maple sirup analysis in Canada.

29001 LEWIS, Y. S., and JOHAR, D. S. Iron content of Indian commercial sugars and its influence on the citric acid production by Aspergillus niger. Cur. Sci. 21:311. Nov.1952. 475 Sci23

29002 LIU, K. C. The sugar industry and its land problem. Taiwan Sugar Corp. TSC News Let. 2(6):1-8. Sept.20,1952. 65.9 T13

29003 LONG, B E. Cauca Valley: sugar frontier. 2. Yield comparisons and technical aspects of Colombia's sugar potential. Sugar 48:49-52. Ref. Jan.1953. 68.8 F11

29004 LONG, B. E. Progreso en la industria azucarera de Cuba, Florida, Louisiana, Hawaii y Mexico. VII. Visita a algunas fábricas de azúcar en Méjico. Acta Agron. [Palmira] 2:225-231. Oct.1952. 9.4 Ac8

29005 LOPEZ FERRER, F. A. La teoria del pH. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:390-391. Oct.1952. 65.9 As5B

29006 MICHEEL, F., and KAMP, F. P. VAN DE. Die trennung von zuckergemischen durch kombinierte elektrophorese und papierchromatographie. Angew. Chem. 64:607-608. Nov.21,1952. 384 Z33

29007 MOSOLFF, H. An der wende zum neuen zuckerwirtschaftsjahr. Zucker- u. Süsswaren-Wirt. 5: 812-813. Oct.20,1952. 286.86 Z8

29008 NAKANO, M., and others. Microbes in the refined sugar and its raw materials. II. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:20. Sept.1952. 389.9 T57
H. Watanabe, S. Yoshikawa, and T. Ohta, joint authors.

29009 NAKANO, M., and YOSHII, H. On the clarification of molasses. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:21. Sept.1952. 389.9 T57

29010 NEUVILLE, P. L'industrie sucrière égyptienne. Feuilles Agr. 10:11-21. First Q.1952. 24 F43

29011 PORTER, W. L., BUCH, M. L., and WILLITS, C. O. Maple sirup. IV-V. Food Res. 17:475-486. Ref. Nov./Dec.1952. 389.8 F7322
IV, Effect of heating sirups under conditions of high temperature and low water content: some physical and chemical changes; V, Formation of color during evaporation of maple sap to sirup.

29012 THE PUERTO Rico sugar manual including data on Dominican Republic and Haiti 1952. New Orleans, 1952. 204 p. 65.8 P96

29013 RAMANAYYA, S. V., RAO, P. J. M., and RAJU, K. V. A new preservative for sugarcane juices. Cur. Sci. 21:279-280. Oct.1952. 475 Sci23

29014 ROGGE, K. Gegenwartsfragen der zuckerwirtschaft. Zucker 5:410-414. Sept.15,1952. 65.8 Z82

29015 SURPRODUCTION sur le marché mondial du sucre. Économie 8(370):7-10. Oct.23,1952. 280.8 Ec726

29016 TEATINI, D. Contribution à l'étude de la cuisson et des appareils à cuire. Indus. Agr. et Aliment. 69:665-683. (Cont.) Sept./Oct.1952. 383 As7
English summary.
In sugar manufacture.

29017 TERRIER, J. Le glucose industriel et le dosage de ses constituants. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:315-322. 1952. 389.9 Sw6

29018 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of edible sugarcane molasses. Washington,1952. 6 p. 1.956 A2Un378

29019 VELEZ, J. E. Cálculo del coeficiente de correlación entre los pesos de los tallos y su tenor en porciento de azucares en sorgo azucarado. Buenos Aires,1952. 18 p. 67 V54

29020 WAALE, J., and WATERMAN, H. I. Préparation de sirops purs de fructose à partir du sucre de canne. Chim. & Indus. 68:889-895. Ref. Dec.1952. 383 C42

29021 WALTERS, F. L. Blight on the sugar shares. Mag. Wall St. 91:466-467,486,488. Jan.24,1953. 286.8 M27

29022 WIGGINS, L. F. A survey of the work of the B. W. I. [British West Indies] Sugar Research Scheme. Internatl. Sugar J. 54:324-326. Dec.1952. 65.8 In8

29023 WILLIAMS, J. H. An extended orcinol test specific for ketose sugars. Nature [London] 170:894. Nov.22,1952. 472 N21

29024 YANG, C. T. The world sugar market and Taiwan. Taiwan Sugar Corp. TSC News Let. 2(7):1-6. Oct.10,1952. 65.9 T13

29025 YENKO, F. M. Two promising products from the sugar cane. Sugar News [Manila] 28:469B. Oct.1952. 65.8 Su36
High protein yeast and blood plasma substitute.

TOBACCO

29026 BROOKS, J. E. The mighty leaf; tobacco through the centuries. Boston,Little,Brown,1952. 361 p. Ref. 69 B792

29027 BYERS, G. B., CARD, D. G., and BINKLEY, W. C. Packing burley tobacco for sale. Ky. Agr. Col. Ext. L. 134,8 p.-folder. Oct.1952. 275.29 K415Le

29028 COSMA, G. Is it necessary to reduce the area planted to tobacco? (In Italian.) Mondo Agr. 3(44):4. Nov.2,1952. 16 M74
Italy.

29029 CUZIN, J., REY, P., and SCHWARTZ, D. Les moisissures du tabac; étude qualitative et quantitative. Inst. Expt. du Tabac. Ann. 1(3):117-132. May 1952. 69.9 B45

29030 DEWEY, A. W. Cigar leaf statistics and outlook, spring, 1952. Conn. (Storrs) Agr. Expt. Sta. INF-40,11 p. May 10,1952. 100 C76I

29031 DIKKER, G. L. More about the method of repeated drying of tobacco. (In Russian.) Tabak 4:18. July/Aug.1952. 69.8 T112

29032 DWARS, C. D. Erfahrungen aus Indonesien. Süddeut. Tabakztg. 62(48):30. Nov.28,1952. 286.89 Su2
Tobacco industry.

29033 FLOYD, E. Y. Let's not plant too much tobacco next year! Prog. Farmer, Carolinas-Va. Ed. 67(12): 15,111. Dec.1952. 6 P945

29034 INDIA. DEPT. OF FOOD AND AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian tobacco statistics, 1950-51. Delhi,1952. 34 p. 269.5 F73It

29035 KHOPERIIA, P. I. Our experiments with a stationary tobacco moistening installation. (In Russian.) Tabak 4:22. July/Aug.1952. 69.8 T112

29036 KIGER, H. C. Grower attitudes toward marketing tobacco cooperatively. U. S. Farm Credit Admin. C. C-144,54 p. May 1952. 166.2 C4923

29037 MAIER, F. Beachtliche preise für schneidegut-sandblatt. Bad. Landwirt. Wchnbl. 119:771. Nov.1, 1952. 18 B142

29038 MALEY, R. Big expansion plans for Australian tobacco. Rev. Internatl. des Tabacs 27:219,221,223. Dec.1952. 69.8 R324

29039 MAYER, A. Die forderungen des tabakwareneinzelhandels. Süddeut. Tabakztg. 62(48):33. Nov.28, 1952. 286.89 Su2

29040 MEISNER, F. Helles schneidegut—ein gebot der stunde. Süddeut. Tabakztg. 62(46):1. Nov.14, 1952. 286.89 Su2

29041 ORGANISATION der deutschen tabakwirtschaft. Süddeut. Tabakztg. 62(48):4. Nov.28,1952. 286.89 Su2

29042 PETRENKO, A. G. Particulars of post-harvest handling of the tobacco variety Ostrolist 2747 under conditions of the Krasnodar territory. (In Russian.) Tabak 4:10-14. July/Aug.1952. 69.8 T112

29043 PETRUSHININ, K. V. Equal to the best in Makhorka [Aztec tobacco] manufacture. (In Russian.) Tabak 4:45-47. July/Aug.1952. 69.8 T112
Processing.

29044 PISTROV, IU. N. Beginning courageously to reprocess the raw material of Makhorka [Aztec tobacco]. (In Russian.) Tabak 4:42. July/Aug.1952. 69.8 T112

29045 RUIZ, T. A preliminary study of a rapid way of preparing tobacco leaves for emergency use. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(3):7. Mar.1952. 25 P544P

29046 SHEPHERD, C. J. Tainting of tobacco by a dichloropropene—dichloropropane soil fumigant. Nature [London] 170:1073-1074. Dec.20,1952. 472 N21

29047 SKIBA, G. M. Improvement in quality of fermentation and processing of raw material. (In Russian.) Tabak 4:6-10. July/Aug.1952. 69.8 T112

29048 TOMAROVSKII, P. F. Drying tobacco in the shade. (In Russian.) Tabak 4:47-50. July/Aug.1952. 69.8 T112

29049 UBING, E. S. Wildnis wurde weltbekanntes tabakland. Süddeut. Tabakztg. 62(48):17-18. Nov.28, 1952. 286.89 Su2
The Southern Rhodesia tobacco industry.

29050 VOLGUNOV, G. P. Weakening of the oxidation process in tobacco after drying. (In Russian.) Tabak 4: 15-17. Ref. July/Aug.1952. 69.8 T112

29051 WEHRLE, E. Gewerbepolitik. Süddeut. Tabakztg. 62(48):37. Nov.28,1952. 286.89 Su2

29052 WILKINSON, F. B. What makes tobacco grades? Mktg. Activ. 15(11):12. Nov.1952. 1.942 A8M34

MISCELLANEOUS PRODUCTS

29053 BLUME, H. F. Untersuchungen über foromycen als eiszusatzmittel bei der frischhaltung von fischen. Giessen,1951. 40 p. 389.3 B62
Inaug.- Diss. - Giessen.

29054 CLARK, J. C. Camellia premium brings million in new business. Pacific Coast Nurseryman 11 (11):16-17,32. Nov.1952. 80 P116

29055 DAVIS, B. H. If you buy cheap roses. Amer. Rose Mag. 10(12):4-6. Dec.1952. 80 Am327A

29056 EMPEY, W. A. Fish handling & processing in U. K. Austral. Dir. Fisheries. Fisheries Newslet. 11(10): 10-12. (Cont.) Oct.1952. 414.9 Au72

29057 FINK, H., and HEILMEIER, F. Hat die feinstvermahlung von hopfen einen einfluss auf die ausfällung der eiweisskörper beim hopfenkochen? 2. Brauwelt 44: 1061-1062. Oct.30,1952. 390.8 B732

29058 FLACCOMIO, E. Herbal resources of Italy in the program of S.V.I.M.E.Z. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 34:437-438. Sept.15,1952. 308.8 R52

29059 GODOY CASTRO, R. Mercado nacional de materias curtientes. Venezuela. Min. de Fomento. Rev. de Fomento 14(76):82-111. Apr./June 1952. 280.8 V552

29060 HARRIS, G. Amino acids and peptides of hops and wort. I. Inst. Brewing. J. (n.s.)49:417-428. Ref. Nov./Dec.1952. 390.9 In7

29061 HARRIS, G., HOWARD, G. A., and POLLOCK, J. R. A. Chemical structures of humulone and lupulone: a brief review. Inst. Brewing. J. (n.s.)49:413-416. Ref. Nov./Dec.1952. 390.9 In7

29062 INDIA. MINISTRY OF AGRICULTURE. - DIRECTORATE OF MARKETING & INSPECTION. Agricultural marketing in India; preliminary guide to Indian fish, fisheries, methods of fishing and curing. Rev. ed. India. Off. Agr. Mktg. Adv. Mktg. Ser. 66,137 p. Ref. 1951. 280.39 In2

29063 KAWAKAMI, T. Drying and spoilage of fish. Kyoto U. Col. Agr. Mem. 62:37-43. Mar.1952. 107.6 K994

29064 MANGHAM, H. J. The lowly nopal. Mex.-Amer. Rev. 20(11):16-17. Nov.1952. 287 M572
Uses and culture.

29065 NIEUWENHUIJS, W. H. Verwerkingsmogelijkheden van lupine [Possibilities for utilizing lupine]. Wageningen,Fonds Landbouw Export Bur.,1951. 80 p. Ref. 389.7 N55

29066 PAGE, J. O. The Lincolnshire bulb industry. Gard. Craftsman 1:186-187. Nov.1952. 80 G1636

29067 POTTER, C. H. A growers' guide to bedding plants. 9. Merchandising ideas, bedding plant chart. Florists' Rev. 111(2877):27-29. Jan.15,1953. 80 W41

29068 RIGBY, F. L., and BETHUNE, J. L. Cohumulone, a new hop constituent. Amer. Chem. Soc. J. 74: 6118-6119. Dec.5,1952. 381 Am33J

29069 SOCIETY OF AMERICAN FLORISTS. Roll call of annual members, 1952,with 1953 roster of your National Membership Committee. Chicago,1952. 17 p. 81 So14

29070 WALKER, T. K., ZAKOMORNY, M., and BLAKESBROUGH, N. "Delta resin," a water-soluble, bitter, bacteriostatic portion of the resin of hops. Inst. Brewing. J. (n.s.)49:439-442. Nov./Dec.1952. 390.9 In7

29071 WALKER, T. K., SALEH, M. S. E., and CREEDY, A. E. Purification of humulone and a separation of other components of the α-soft resin of hops. Inst. Brewing. J. (n.s.)49:443-448. Nov./Dec.1952. 390.9 In7

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

29072 ANSTEY, V. The Colombo Plan with special reference to India and Pakistan. Pakistan Econ. & Com. 1:322-332. June 1952. 280.8 P175

29073 BALLICO, P. Plans for the economic-social development and investments in overseas territories of Africa in the southern Sahara. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:181-199. July/Sept.1952. 26 Ag82
English summary.
Includes agricultural program.

29074 BENNETT, H. G. The human side of Point Four. Assoc. Land-Grant Col. & U. Proc. 65:67-74. 1951. 4 As7

29075 BENNETT, H. G. The Point IV program. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:254. 1951. 4 As7

29076 BUTZ, E. L. Economic climate for agriculture. Banking 45(7):74-75. Jan.1953. 284.8 Am3

29077 CALZECCHI-ONESTI, A. Economic policies of the day. (In Italian.) Salento Agr. 3(10):1. Oct.1952. 281.8 Sa3

29078 DURAISWAMI, S. V., and NARASIMHAN, V. S. A review of the rural economic conditions of the Coimbatore District as revealed in the economic surveys of some villages in the district. Madras Agr. J. 39:569-579. Nov.1952. 22 M262

29079 EL-SABBAN, G. Le congrès de l'économie rurale. Feuilles Agr. 10:167-173. Second Q.1952. 24 F43

29080 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. Quelques aspects de l'économie soviétique après la 1re année du 5e Plan Quinquennal. France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture, Econ. Mond. 7:409-447. 1952. 280.9 F842
Includes the agricultural economy.

29081 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. Situation économique des pays d'Europe orientale. France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture, Econ. Mond. 7:383-408. 1952. 280.9 F842
Includes the agricultural economy.

29082 HAGGERTY, J. J. The United States farmer and the world around him. J. Farm Econ. 34:597-604. Dec.1952. 280.8 J822
Productivity, trade, technical assistance, and land reforms.

29083 HURLIMANN, W. Die mission der landwirtschaft im industriestaat. Agrarpolit. Rev. 9:106-115. Nov.1952. 281.8 Ag824

29084 JALAKAS, R. The economic situation in Argentina. (In Swedish.) Jordbrekon. Meddel. 14:399-407. Oct.1952. 257.3 J76
English summary, p. 398.
Includes agriculture and trade.

29085 KLINE, A. B. Today is important. Nation's Agr. 28:5-8. Jan.1953. 280.82 B89
Economic conditions.

29086 LONG, E. J. Some theoretical issues in economic development. J. Farm Econ. 34:723-733. Dec.1952. 280.8 J822
Includes discussion by S. C. Smith.

29087 MORGAN, A. E. The dilemma of providing democratic assistance where there is despotic social control. Town & Country Church 84:5-6. Dec.1952. 281.28 T66
Relief in Asia.

29088 NOILHAN, H. Structure réelle de l'économie moderne. Agrarpolit. Rev. 9:26-36. Sept./Oct.1952. 281.8 Ag824

29089 PETERSON, M. J. The place of economics in agricultural education programs. J. Farm Econ. 34: 857-874. Dec.1952. 280.8 J822
Includes discussion by R. R. Beneke, L. R. Martin, and G. E. Brandow.

29090 ROBERTS, F. L. An economic analysis of the Chilean Production Development Corporation; a case study in economic coordination. Urbana,1952. 4 p. 280.9 C813E
Abstract of thesis - University of Illinois.

29091 RUSSELL, J. S. They're willing to try! Successful Farming 51:42-43,76-79. Jan.1953. 6 Su12
Technical aid to countries around the world and the Point IV Program.

29092 SMITH, C. C. Effect of personal visits on response rates to mail surveys. Agr. Econ. Res. 4:126-127. Dec.1952. 1 Ec7Agr

AGRICULTURAL FINANCE

29093 BAUGHMAN, E. T. Financing young farmers. J. Farm Econ. 34:930-936. Dec.1952. 280.8 J822

29094 BRADY, D. S. Family savings in relation to changes in the level and distribution of income. Natl. Bur. Econ. Res. Studies Income & Wealth 15:103-130. 1952. 284 C765
Farm savings included.

29095 BUYING securities is like buying shoes. Farm Mangt. 2:47-53. Nov./Dec.1952. 281.8 F2225

29096 GOUVERNEUR, F. Le budget familial. Fiches Rur. 86:15-20. Dec.1952. 281.8 F44

29097 KISSLER, H. Währungspolitik und landwirtschaft. Agrarpolit. Rev. 9:135-147. Dec.1952. 281.8 Ag824

29098 SCAGLIONI, A. A new experiment in the field of public investments. (In Italian.) Cassa per il Mezzogiorno. Not. 1(6):3-7. June 1952. 280.8 N82

29099 STANLEY, F. E. Financing desirable farming adjustments in the North Louisiana Upland cotton area. La. Agr. Expt. Sta. Mimeog. C. 136,16 p. Jan.1952. 100 L935

29100 WALL, N. J. The farm financial outlook. Agr. Situation 36(12):20-22. Dec.1952. 1 Ec7Ag

Credit

29101 AGRAWAL, G. D. Sound system of agricultural credit. Indian Co-op. Rev. 18:134-138. Apr./June 1952. 280.28 In2
Cooperative.

29102 AGÜERO, O. La agricultural necesita créditos especiales para que las inversiones resulten económicas. Campesino [Santiago] 84(10):18-19,21. Oct.1952. 9.3 So12
Chile.

29103 BANCO DE CRÉDITO AGRÍCOLA E INDUSTRIAL DE LA REPÚBLICA DOMINICANA. Memoria respecto de las actividades desarrolladas durante el año 1951. Ciudad Trujillo,1952. 85 p. 284.29 B2294

29104 BANQUE AGRICOLE DE LA RÉPUBLIQUE TURQUE. Rapport sur le 87ème exercice 1950. Ankara, 1951. 10 p. 284.29 B22C

29105 BASILIO, F. T. Rural financing system in the Philippines. Sugar News [Manila] 28:502-503. Oct. 1952. 65.8 Su36

29106 BHATTACHARJEE, K. Co-operative credit movement in West Bengal. Indian Co-op. Rev. 18:125-133. Apr./June 1952. 280.28 In2

29107 BRADSHAW, J. Meeting the drought situation. Tenn. Banker 40(12):18-20. Dec.1952. 284.8 T25
Credit.

29108 BROWN, A. G. Farm credit in North Dakota—1952. N. Dak. Agr. Expt. Sta. Bimon. B. 15:61-62. Nov./Dec.1952. 100 N813B
Statistics.

29109 BUTZ, E. L. Spreading the risks in cooperative credit institutions. J. Farm Econ. 34:964-973. Dec.1952. 280.8 J822

29110 CHESSA, F. Depressed areas and agricultural credit. (In Italian.) Banca e Credito Agr. 2:83-90. 1952. 284.28 B223

29111 COLON-TORRES, R. Financing low income farmers in Puerto Rico. J. Farm Econ. 34:944-948. Dec.1952. 280.8 J822

29112 COSSIGA, F. Observations on the competence of the Sardinian Region in the matter of credit. (In Italian.) Banca e Credito Agr. 2:35-82. 1952. 284.28 B223

29113 CRAMOIS. Sur la situation du crédit agricole. Acad. d'Agr. de France. Compt. Rend. 39:561-565. 1952. Oct.8/15,1952. 14 P215Bc

29114 DANTWALA, M. L. Agricultural credit in India—the missing link. Pacific Aff. 25:349-359. Dec. 1952. 280.8 P11

29115 DEUTSCHER RAIFFEISENTAG. HANNOVER, 1952. Verhandlungsbericht. Bonn,1952. 143 p. 284.29 D485

29116 FEDERAZIONE ITALIANA DEI CONSORZI AGRARI. A brief outline on the Italian Federation of Farmers Cooperatives with particular reference to the activity of the farmers' cooperatives and their federation in the field of agricultural credit to farmers. Rome, 1952. 14 p. 280.29 F31Br

29117 FRANCE. CAISSE NATIONALE DE CREDIT AGRICOLE. Rapport sur l'activité du crédit agricole mutuel pendant l'année 1950. Paris,1952. 38 p. 284.29 F84

29118 GIORDANO, A. General conditions of contract. (In Italian.) Banca e Credito Agr. 2:3-17. 1952. 284.28 B223

29119 GRIFFITH, G. W. Bankers doing the job. Tenn. Banker 40(12):24,26-29. Dec.1952. 284.8 T25
Credit in drought areas.

29120 GRIMMINGER, E. Zur sparwoche 1952. Württemb. Wchnbl. f. Landwirt. 119:965-966. Oct.25, 1952. 18 W96

29121 GURPINAR, N. Short-term agricultural cooperative credit in the United States and Turkey and suggestions for the improvement of the Turkish system. Ohio State U. Abs. Doct. Diss. 63:87-93. 1952. 241.8 Oh3

29122 İLOĞLU, A. S. Vue d'ensemble sur l'activité de la Banque Agricole de la République Turque à la fin de l'année 1951. (In Turkish.) Turkiye Cumhuriyeti Ziraat Bankasi. Uç Ayda Bir Çikar 24:145-151. Oct./Dec. 1951. 280.9 T842

29123 JOHANSEN, R. The balance sheet of the U.S. farmer 1952. Co-op Grain Q.10(4):12-14. Dec. 1952. 280.28 C7898
Indebtedness and income.

29124 JOLAIN, R. La caisse du midi. Rev. Forest. Franç. 12:798-800. Dec.1952. 99.8 R329
Italy.

29125 KOLLER, E. F. Some aspects of the financing of farmers' cooperatives. J. Farm Econ. 34:949-963. Dec.1952. 280.8 J822
Includes discussion by G. F. Henning.

29126 LOBO, M. DE P. The rural credit fund. (In Portuguese.) Divulg. Coop. 34:11-12. Aug.1952. 280.28 R47
Brazil.

29127 MARTINI, A. DE. Critical survey of jurisprudence and doctrine on bank contracts (year 1951). (In Italian.) Banca e Credito Agr. 2:18-34. 1952. 284.28 B223
Italy.

29128 MATOS, C. M. Problemas de crédito agrícola para la producción de alimentos. Rev. de Agr. P. R. 43:30-37. Jan./June 1952. 8 R325

29129 MILLER, B. A. A country banker pauses. Com. West 105:9,19. Jan.3,1953. 286.8 C733

29130 PAGANI, L. Considerations on the provisions for agricultural credit provided by the laws for the development of the economy and the increase of employment and for mountain territories. (In Italian.) Agr. delle Venezie 6:496-506. Nov.1952. 16 Ag826

29131 RAUSHENBUCH, H. S. One vote for the United Nations. Washington,Pub. Aff. Inst.,1952. 13 p. 280.12 R192
Discusses agricultural credit and marketing under a foreign aid program.

29132 SAMBERGS, Å. Support loan to agriculture is no novelty. (In Swedish.) Lantmannen 36:1023-1025. Dec.13,1952. 11 L234
Sweden.

29133 SIVARAMAN, V. The role of the Reserve Bank of India in the scheme of agricultural credit. (Extr.) Indian Co-op. Rev. 18:214-220. Apr./June 1952. 280.28 In2

29134 SOUTHERN RHODESIA. LAND AND AGRICULTURAL BANK. Report for the year ended 31st December 1951. Salisbury,1952. 11 p. 24 R344

29135 STIFEL. Kredit durch bausparen! Bauern-Ztg. 5(45):3,11. Nov.7,1952. 18 B324
Germany.

29136 STUBBS, C. C. Crédito agrícola—préstamos de la administración de hogares de agricultores. Rev. del Café 8(3):13. Oct.1952. 8 R3295
Puerto Rico.

29137 U. S. COMMODITY CREDIT CORPORATION. Charts, providing a graphic summary of operations, 1933–June 30, 1952. Washington,1952. 62 p. 1.957 C38

29138 U. S. COMMODITY CREDIT CORPORATION. Report, 1951/52. Washington,1952. 17 p. 1 C731

29139 U. S. FARMERS HOME ADMIN. Report, 1951/52; successful farming through supervised credit. Washington,1952. 40 p. 1.949 R293

29140 VISCOVO, M. DEL. Agricultural credit. (In Italian.) Humus 8(9):17-21. Sept.1952. 16 H88
Italy.

29141 WALL, N. J. Financing agriculture. Rur. Realtor 4(4):8-13. Fourth Q.1952. 282.8 R88

29142 WOODS, P. H., MERRIAM, J. E., and MCCULLOUGH, C. A. The grain warehouse receipt situation. Kans. Banker 42(10):13,15,17,19-20. Nov.1952. 284.8 K13

29143 ZIMMERMANN, J. El crédito supervisado en América Latina; objetivos y tarea. Agrotecnia 7:33-35. Sept./Oct.1952. 8 Ag825

Income

29144 BAUER, P. T., and PAISH, F. W. The reduction of fluctuations in the incomes of primary producers. Econ. J. 62:750-780. Dec.1952. 280.8 Ec72

29145 DENMARK. STATISTISKE DEPT. Indkomst- og formueansaettelserne til staten for skattearet 1951/52. Income and wealth assessments regarding taxes to National Government for the fiscal year 1951/52. København,1952. 97 p. 257.1 St2M
Tables also in English.
Includes farm income.

29146 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. Le revenu de l'agriculture en 1951-1952. France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture. Écon. Franç. 7:474-499. Sept./Oct.1952. 280.8 F84

29147 HOOD, K. What's ahead for agriculture and banking? (Excerpts.) Mid-West. Banker 46(12):13-14. Dec.1952. 284.28 B222
Income outlook.

29148 JOHNSON, D. G. Some effects of region, community size, color, and occupation on family and individual income. Natl. Bur. Econ. Res. Studies Income & Wealth 15:49-74. 1952. 284 C765
Data on farm families.
Includes discussion.

29149 REID, M. G. Effect of income concept upon expenditure curves of farm families. Natl. Bur. Econ. Res. Studies Income & Wealth 15:131-174. 1952. 284 C765

Inflation

29150 HINES, H. H. Inflation—a silver lining? Farm Policy Forum 5(12):10-12. Dec.1952. 281.8 F2274

Insurance

29151 BACCA, Z. More on the penalties connected with unified agricultural contributions. (In Italian.) Previdenza Sociale nell'Agr. 3:205-207. Sept.1952. 281.8 P92
Italy.
With a note by C. Gatta.

29152 BECKERICH, A. Assurances sociales agricoles et métayage. Agr. Prat. 116:501. Oct.1952. 14 J82
France.

29153 BOTTS, R. R. Molding farm mutual insurance to meet changing times. Mutual Ins. B. 39(10):34-39. Oct.1952. 284.68 M983

29154 CALZECCHI-ONESTI, A. Social insurance in the field of agriculture. III. (In Italian.) Salento Agr. 3(10):1-2. Oct.1952. 281.8 Sa3

29155 COOPER, H. P. 200 years of mutual insurance. Amer. Coop. 24:385-396. 1952. 280.29 Am3A

29156 CULBRETH, H. W. How mutual are the mutuals? Amer. Coop. 24:397-409. 1952. 280.29 Am3A

29157 FILION, G. La sécurité sociale en agriculture. Terre de Chez Nous 24(37):10. (Cont.) Nov.5,1952. 7 T27
Canada.

29158 FILION, G. La sécurité sociale en agriculture. Terre de Chez Nous 24(38):10,23. (Cont.) Nov.12, 1952. 7 T27
Canada.

29159 KÄRCHER, A. Die arbeits- und versicherungsrechtliche stellung des überzähligen personals zum lohndreschunternehmer. Dreschen u. Pflügen 7(10):12-13. Oct.15,1952. 58.8 D81

29160 MOORAHREND. Landwirtschaft u. sozialversicherung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2080-2081. Dec.20,1952. 18 L2346

29161 NELDNER. Selbstverwaltung der landwirtschaftlichen träger der sozialversicherung. Deut. Landwirt. Gesell. Mitt. 67:899-900. Nov.27,1952. 18 N39

29162 QUAST, A. Lightning losses to cattle and settlement of claims on turkeys. Saint Paul,1952. 80 p. 284.6 Q2

29163 RANALDI, A. Action and prescription in insurance; their effects on the field of unified contributions. (In Italian.) Previdenza Sociale nell'Agr. 3:208-212. Sept.1952. 281.8 P92
Italy.

29164 ROCCHI, V. M. The extension of compulsory sickness, old-age, and survivors' insurance to farmers and share farmers. (In Italian.) Previdenza Sociale nell'Agr. 3:199-204. Sept.1952. 281.8 P92
Italy.

29165 SILVEY, J. M. Training field men and agents. Amer. Coop. 24:410-414. 1952. 280.29 Am3A
For insurance mutuals.

29166 U. S. FEDERAL CROP INSURANCE CORPORATION. Report, 1951/52. Washington,1952. 45 p. 1 C88R

Taxation

29167 AGNEW, A. Self assessment of provisional tax. Westralian Farmers' Co-op Gaz. 23:175-176. Oct.1952. 280.28 W522
Income tax.

29168 ALBERT, C. L. Die nicht mehr aufschiebbare massnahme. Süddeut. Tabakztg. 62(48):2. Nov.28, 1952. 286.89 Su2
Taxation.

29169 ASCHENBRENNER, H. The philosophy of tobacco taxation. (In Dutch.) Tabaksplant 79:168. (Cont.) Nov.4,1952. 286.89 T114

29170 BARDECI, and others. La valuación de hacienda ante el impuesto a los réditos. Shorthorn 13 (68):92-95. Apr./June 1952. 43.8 Sh84
Groisman, Pereira, and Valázquez, joint authors.
Argentina.

29171 BARNSTEDT. Richtsätze für sondereinnahmen im wirtschaftsjahr 1951/52. Landwirtbl. Weser-Ems 99:1135-1136. Nov.6,1952. 18 L2345

29172 BONATTI, J. Au sujet de la suspension de la taxe de 6.35 %. Porc 23(10):13. Nov.1952. 46.8 P822
A tax on feed in France.

29173 BRADLEY, W. L. The need for compliance with "income tax accounting" in accounting for expenses. Amer. Coop. 24:350-359. 1952. 280.29 Am3A

29174 FANNIN, E. E. The Federal income tax and the farmer. Cattleman 39(8):90,94,96. Jan.1953. 49 C29

29175 GARDNER, K. B. Analysis and appraisal of current tax laws affecting farmer cooperatives. Amer. Coop. 24:764-767. 1952. 280.29 Am3A

29176 HALL, I. F., and others. Farmer's 1952 income tax. Wis. Agr. Col. Ext. Spec. C. 12,rev.,32 p. Dec.1952. 275.29 W75S
R. H. Baker, E. M. Elwood, A. M. Nichter, and E. P. Callahan, joint authors.

29177 HALL, I. F. More income tax problems. Hoard's Dairyman 98:74. Jan.25,1953. 44.8 H65

29178 HALL, I. F. Questions and comments on income tax. Hoard's Dairyman 98:24. Jan.10,1953. 44.8 H65

29179 HALL, I. F. Sale of a farm. Hoard's Dairyman 97:1012. Dec.25,1952. 44.8 H65
Tax aspects.

29180 HALL, I. F. Sale of breeding, draft, and dairy animals. Hoard's Dairyman 97:972. Dec.10,1952. 44.8 H65
Tax aspects.

29181 HALSTEAD, H. M. Sales of land with growing crops—tax treatment. Taxes 31:55-63,86. Jan.1953. 284.53 T195

29182 HART, S. H. Federal income taxation applied to raising, sale of livestock. Calif. Livestock News 27(51):5,7. Dec.16,1952. 45.8 C12

29183 HART, S. H. Federal income taxation as it applies to raising and sale of livestock. Natl. Wool Grower 43:33-37. Jan.1953. 45.8 N21N

29184 HART, S. H. Review of [livestock] industry problems in taxation. Amer. Cattle Prod. 34(8):11-12,27-28. Jan.1953. 49 P94

29185 HART, V. B. Federal income-tax returns of dairymen. Dairyman's League News 36(26):5,15. Dec. 23,1952. 44.8 D1432

29186 HARVEY, G. R. Tax problems current topic. Hoosier Farmer 38:43. Jan.1953. 280.82 H76

29187 HECKMAN, J. H. Extension job in education on the tax problem of farmer cooperatives. Amer. Coop. 24:777-780. 1952. 280.29 Am3A

29188 HEDGES, H. Cooperative reporting provisions of the Revenue Act of 1951, and amendment of Treasury regulations concerning information returns. Amer. Coop. 24:768-769. 1952. 280.29 Am3A

29189 HEINZ. Steuerliche fragen der bodenreform-landabgabe. Deut. Landwirt. Gesell. Mitt. 67:823-824. Nov.6,1952. 18 N39

29190 HELBIG. Berlin und die tabaksteuerreform. Süddeut. Tabakztg. 62(48):9-10. Nov.28,1952. 286.89 Su2

29191 HELD, G. Tabaksteuerreform und der demokratische gedanke. Süddeut. Tabakztg. 62(48):3. Nov.28,1952. 286.89 Su2

29192 HERNDON, W. C. The capital gains tax as applied to gains from livestock. Cattleman 39(8):82,84, 86,88. Jan.1953. 49 C29

29193 HUTCHCROFT, T. Worried about your income tax? Iowa Agr. 51(4):7-9. Dec.1952. 6 Io9

29194 HYRE, F. M. Helping members understand the tax situation. Amer. Coop. 24:83-92. 1952. 280.29 Am3A

29195 JACOBS, B. S. Cooperatives and the income tax law. Taxes 31:49-54. Jan.1953. 284.53 T195
Includes farmer cooperatives.

29196 JERDAN, A. L. Extension's job in education on the tax problem of farmer cooperatives. Amer. Coop. 24:774-776. 1952. 280.29. Am3A

29197 JESTER, J. G. Ranch accounting records and the tax situation. Natl. Chinchilla Breeder 8(11):17,46. Jan.1953. 412.628 N21

29198 KAMPLER, M. Die steuerliche betriebsprüfung in der land- und forstwirtschaft. Prakt. Landwirt. 6:131. Oct.1952. 19 P88
Austria.

29199 KRIEBER. Steueränderungsgesetz 1952. Bauer 5(36):14-15. Oct.18,1952. 19 B32
Austria.

29200 LOVE, H. M., TURNER, W. L., and CALLAHAN, E. P. Farmers income tax 1952. Ga. Agr. Col. Ext. B. 575,32 p. 1952? 275.29 G29B

29201 LOVE, H. M., TURNER, W. L., and CALLAHAN, E. P. Farmer's income tax, 1952. N. C. Agr. Col. Ext. C. 366,rev.,32 p. Nov.1952. 275.29 N811

29202 LOWRIMORE, C. S. Tax savings and capital increase in livestock raising. Taxes 31:64-68. Jan. 1953. 284.53 T195

29203 LÜTH, U. Die steuern und ihr einfluss auf die landwirtschaft. Deut. Landwirt.-Gesell. Mitt. 67:780-782. Oct.23,1952. 18 N39

29204 LÜTH, U. Die steuern und ihr einfluss auf die landwirtschaft. Deut. Landwirt.-Gesell. Mitt. 67: 799-801. (Concl.) Oct.30,1952. 18 N39

29205 MANZINI, P. A problem of fiscal justice: prevent increased taxation of livestock. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(103):1-3. Dec. 10,1952. 281.8 Ag3

29206 MILLER, J. R. Avoid these mistakes on your income tax. Natl. Live Stock Prod. 31(3):12,16. Jan. 1953. 280.38 N21

29207 MILLER, J. R. Capital-gains provision interpreted points way to income-tax savings. Successful Farming 51:29,58-59. Jan.1953. 6 Su12

29208 MILLER, J. R. Cutting the tax. Amer. Hereford J. 43(17):66,162C. Jan.1,1953. 43.8 Am32
Livestock tax.

29209 MØLLER, K. Taxes, credit and production. (In Danish.) Jydsk Landbr. 34:807-816. Nov.20,1952. 11 J99
Farm.

29210 MOSER, R. E., and others. Farmer's 1952 income tax. Md. Agr. Col. Ext. B. 144,28 p. Nov.1952. 275.29 M36B
P. L. Putnam, V. B. Hart, and E. P. Callahan, joint authors.

29211 PETITLAURENT, V. S. Comment réclamer et obtenir: remises dégrèvements rectifications sursis et délais de paiement. Foyer Rur. [Paris] 15(267,sup), 7 p. Dec.5,1952. 14 F83
France.

29212 PETITLAURENT, V. S. De quelles détaxes fiscales peuvent bénéficier les agriculteurs victimes de calamités et de pertes de bétail? Rev. de Lég. Agr. 5: 219-225. Nov.1952. 281.8 R325
France.

29213 PHILIPP, P. F. 1953 tax guide for Hawaiian farmers. Hawaii. U. Agr. Ext. C. 259,rev.,33 p. Nov. 1952. 275.29 H312Ac

29214 PUTNEY, D. The reporting requirements of section 314 of the Revenue Act of 1951. Amer. Coop. 24:360-364. 1952. 280.29 Am3A

29215 PUTTILLI, N. Proposals for fair tax treatment of agricultural cooperatives. (In Italian.) Agr. delle Venezie 6:521-527. Nov.1952. 16 Ag826

29216 QUEENSLAND. LAND TAX OFF. Land tax; on the operation of the acts during the year 1951-52. Brisbane,1952. 9 p. 271.3 T19

29217 REED, D. A., and JACKSON, H. M. Weeds that choke co-ops. Citrus Leaves 32(12):22. Dec.1952. 80 C492
Taxation.

29218 SAELZER BALDE, F. Tributación agrícola. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.186-189. Temuco,1952. 27 C7655

29219 SAPPINGTON, A. D. Income tax on patronage refunds under Federal Revenue Act of 1951. Mo. Farmer 45:8-9. Jan.1953. 6 M696

29220 SCHRÖDER. Steuerfragen und steuertermine. Hannoversche Land- u. Forstwirt. Ztg. 105:1258-1259. Dec.6,1952. 18 H194

29221 SCHULZ, G. Sinnvoll im allgemeininteresse nutzen. Landtechnik 7:732-733. Nov.30,1952. 58.8 L235
Taxation in Germany.

29222 STEFFEN, E. F. Tax status of farmer cooperatives. Amer. Coop. 24:770-773. 1952. 280.29 Am3A

29223 TSALKIN, G. How are citizens having incomes from apiculture being taxed in 1952. (In Russian.) Pchelovodstvo 29(8):57-59. Aug.1952. 424.8 P295

29224 TVRDIK, C. A sales tax for Nebraska. II, No. Nebr. Farmer 94(23):22-23. Dec.6,1952. 6 N27

29225 VERSHOFEN, W. Der verbraucher zur reform der tabaksteuer. Süddeut. Tabakztg. 62(48):1. Nov.28, 1952. 286.89 Su2

29226 WAAS, G. J. Recent Federal income tax changes affecting cooperatives. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 156(sup.2), 4 p. Nov.8,1952. 166.3 M68

AGRICULTURAL LABOR AND WAGES

29227 BARNSTEDT, F. Stellung einer ersatzkraft für die arbeitshilfe des heuermanns. Landwirtbl. Weser-Ems 99:1061-1063. Oct.16,1952. 18 L2345

29228 BEINKE, E. G. Landarbeit in der krise; die grenzen der landwirtschaftlichen selbsthilfe. Übersicht 3(10):3-6. Oct.1952. 18 Ub3
Germany.

29229 BELOZERTSEV, A. G. Collaboration of two brigades in harvesting the crop. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:19-22. Aug.1952. 20 D742
Work managment.

29230 BERNUTH, W. VON. Kalken im lohnverfahren—ein weiteres glied in der kette der rationalisierungsmassnahmen! Deut. Landwirt. Gesell. Mitt. 67: 821-822. Nov.6,1952. 18 N39
Application methods.

29231 BOSE, S. R. Minimum wage in agriculture. Indian J. Agr. Econ. 7(2):50-58. Aug.1952. 281.8 In2

29232 BRAMKAMP, L. Draft deferment of milkers in Calif. Calif. Dairyman 32(24):5,9. Dec.27,1952. 44.8 C12

29233 BRENDSTRUP, S. Farm labor. (In Danish.) Dansk Landbr. 71:621-622. Dec.18,1952. 280.28 V91

29234 BRILLING, W. Muss die apfelernte so veraltet sein? Reich der Landfrau 46:369-370. Nov.13,1952. 18 L2347
Work management.

29235 BYERS, G. B. Effect of work methods and building designs on building costs and labor efficiency for dairy chores. Ky. Agr. Expt. Sta. B. 589,55 p. June 1952. 100 K41

29236 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Estimated labor requirements for California agriculture, 1950 & 1955, by A. Shultis and W. R. Bailey. Berkeley, 1952. 10 p. 275.2 C12Es

29237 A COMPARATIVE survey re the living standard of agricultural workers in the Nordic countries covering the years 1938, 1948 & 1951, by W. K. Internatl. Landworkers' Fed. B. 19:6-12. Dec.1952. 283.9 In873B

29238 DAMASEVICH, O. A. Work management in machine milking of cows. (In Russian.) Sotsialist Zhivotnovod. 14(8):60-63. Aug.1952. 49 So71

29239 DARAGAN, G. I., and GRUNSKIĬ, F. F. Practices in working on S-4 automotive combine. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6: 55-57. June 1952. 20 D742
Work management.

29240 DYVERDON, C. Le taylorisme en aviculture. Cour. Hort. 14:564-566. Oct.1952. 80 C834

29241 FRANKLIN, R. Sheepherder importation. Natl. Wool Grower 43:38-39. Jan.1953. 45.8 N21N

29242 FRENCH, C. E., WOOD, G. B., and MANHART, V. C. Labor utilization in milk receiving rooms of Indiana milk plants. Ind. Agr. Expt. Sta. B. 576,55 p. July 1952. 100 In2P

29243 FRENCH, C. E. Research procedure in evaluating milk receiving labor in Indiana. Ind. Agr. Expt. Sta. B. 575,23 p. Jan.1952. 100 In2P

29244 GONTAR', D. I. We're organizing high production work of combine assemblies. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:52-55. June 1952. 20 D742
Work management.

29245 GRETER, C. Soziale spannungen in der landwirtschaft. Schweiz. Landarb. 19:1-2. Oct.1,1952. 17 Sch98
Labor relations in Switzerland.

29246 HATESAUL, E. Das Betriebsverfassungsgesetz. Hannoversche Land- u. Forstwirt. Ztg. 105: 1158,1190. Nov.15-22,1952. 18 H194
Labor relations.

29247 HOARD'S Dairyman round table: "how we pay our hired labor." Hoard's Dairyman 98:63,89. Jan.25, 1953. 44.8 H65

29248 JOHNSON, E. Responsibility in parathion injury cases. Citrus Leaves 32(12):38. Dec.1952. 80 C492

29249 KHABLO, I. Some results of productive activity of machine-tractor stations and forest conservation stations in Voronezh Region. (In Russian.) Mashinno-Traktornaîa Sta. 12(7):9-12. July 1952. 58.8 M11

29250 KIKIN, B. I. Management in the leading tractor brigades of machine-tractor stations. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8: 8-13. Aug.1952. 20 D742

29251 KIRKLAND, L. How about some 'parity' for farm laborers? Amer. Fed. 60:15. Jan.1953. 283.8 Am32
Migratory labor.

29252 KOGANOV, A. B. Leading methods for increasing the productive capacity of sowing assemblies. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:17-19. Aug.1952. 20 D742
Work management chiefly.

29253 LARSSON, E. Agriculture and labor. (In Swedish.) Lantmannen 35:930. Dec.15,1951. 11 L234
Sweden.

29254 LEGENDRE, P. L'emploi en agriculture. B. d'Inform. du Controle des Lois Sociales en Agr. 53: 1-15. July 1952. 14 B877
France.

29255 LEODOLTER, F. Die soziale lage der westdeutschen land- und forstarbeiter. Landarb.-Arch. 7: 155-157. May 1952. 283.8 L23

29256 LIEDBERG, G. Farm labor and production—thoughts on the future and the technical development. (In Swedish.) Jordbrtek. För. Meddel. 100:40-48. 1952. 11 J76M

29257 MCENTIRE, D. The labor force in California; a study of characteristics and trends in labor force employment, and occupations in California, 1900-1950. Berkeley,Calif. U. Inst. Indus. Relat.,1952. 101 p. Ref. 283 M15

29258 MAKAROV, A. S. Work management on collective farm poultry farms. (In Russian.) Sotsialist. Zhivotnovod. 14(7):66-68. July 1952. 49 So71

29259 MARKIN, M. I. Labor productivity of collective on the Molotov sovkhoz. (In Russian.) Vinodel. i Vinograd.SSSR. 12(5):55-59. May 1952. 95.8 V77
In grape.

29260 MORIN, A. The organizability of farm labor in the United States. Harvard Studies Labor Agr. 2-HL, 102 p. June 1952. 283.8 H26

29261 MOTHERAL, J. R., METZLER, W. H., and DUCOFF, L. J. Recruitment of cotton-harvest workers, Texas High Plains, 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1502,3 p. Oct.13,1951. 100 T31P

29262 NAZARTSEV, N. G. Additional pay to labor on kolkhozes for fulfilling and surpassing the planned yield of potatoes. (In Russian.) Sad i Ogorod 10:61-66. Oct.1952. 80 Sa13

29263 ØSTEBY, A., and RATVIK, H. Work records for market gardens and nurseries. (In Norwegian.) Gartneryrket 42:779-781. Nov.8,1952. 80 G1938

29264 PAMPLONA BLASCO, M. Organización sindical en los medios rurales. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 53:3-4. Oct.1952. 15 Sa7

29265 PARSONS, H. L. The impact of fluctuations in national income on agricultural wages and employment. Harvard Studies Labor Agr. 1-HL,58 p. June 1952. 283.8 H26

29266 PETROV, N. I. Work in two-shifts on the livestock raising farms. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:75-78. Aug.1952. 20 D742

29267 PINSTRUP, H. Agriculture and the vacation law. (In Danish.) Jydsk Landbr. 34:831-832. Nov.27, 1952. 11 J99

29268 PREUSCHEN, G. Die zukunft des lohndreschers. Dreschen u. Pflügen 7(11):5-6. Nov.15,1952. 58.8 D81

29269 REINHARDT, W. Steigerung des arbeitsertrages. Landwirt. Z. der Nord-Rheinprov. 119:1139. Oct.18,1952. 18 L2344

29270 ROHNER, J. Hoftransporte von hand. Landtechnik 7:654-658. Nov.15,1952. 58.8 L235
Work management.

29271 SGIBNEV, A. P. Achievements of the feed production brigade on Kaganovich Collective Farm. (In Russian.) Sotsialist. Zhivotnovod. 14(10):50-52. Oct.1952. 49 So71

29272 STANGELAND, S. Labor inputs for livestock enterprises. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 40, 41 p. Ref. Sept.1952. 281.9 So86

29273 THOMSON, P. The productivity of the human agent in agriculture: an international comparison. J. Farm Econ. 34:974-978. Dec.1952. 280.8 J822

29274 UNION OF SOUTH AFRICA. BUR OF CENSUS AND STATISTICS. Labour on farms of whites and wages of farm labourers. Union So. Africa. Buro v. Sensus en Statis. Landbsensus. Spesiale Verslagreeks 7,27 p. June 1952. 270 So87L

29275 U. S. BUR. OF AGRICULTURAL ECONOMICS. The hired farm working force of 1951, with special information on regular workers in 1950, by L. J. Ducoff and E. M. Birch. Washington,1952. 18 p. 1.941 R3H612

29276 U. S. CONGRESS. JOINT COMMITTEE ON THE ECONOMIC REPORT. Underemployment of rural families. Washington,1951. 74 p. 281.12 Un382

29277 U. S. DEPT. OF LABOR. WAGE AND HOUR AND PUBLIC CONTRACTS DIV. What farmers who hire workers should know about the child-labor requirements of the Federal Fair Labor Standards Act. U. S. Dept. of Labor. Child-Labor B. 102,rev.,4 p. 1952. 158.91 W55

29278 VILLOT, J. Le role du syndicalisme ouvrier agricole. Fiches Rur. 86:9-14. Dec.1952. 281.8 F44
France.

29279 VILLOT, J. Le syndicalisme ouvrier agricole. Fiches Rur. 85:27-32. Nov.1952. 281.8 F44
France.

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

29280 ABRAMOVA, A. I. Natural resources of Tomsk Region and ways of utilizing them. (In Russian.) Tomsk. Gosud. U. im. V. V. Kuĭbysheva. Trudy 114:13-30. Ref. 1951. 511 T59
Includes agriculture.

29281 AGRICULTURE in South Korea. World Crops 5:32-34. Jan.1953. 281.8 W892

29282 AMARAL, J. B. DE S. Agriculture seen by the Industrial Development Commission. (In Portuguese.) Soc. Rur. Bras. Rev. 32(381):90-92. Oct.1952. 9.2 B733

29283 AMERICAN FARM BUR. FEDERATION. Here is the official text of AFBF's 1953 policies as adopted by delegates. Amer. Farm Bur. Fed. Off. Newslet. 31(51):1-8. Dec.22,1952. 280.83 Am3W

29284 ANDREA, S. D'. Agriculture in the foreground from Tavoliere to the Alps. (In Italian.) Agricoltura 1(10):65-67. Oct.1952. 16 Ag8226
Conferences.

29285 ANDRESEN, A. H. Abundant food production is vital for national welfare. Farmers Voice 4(7,i.e.9): 3-4. Oct./Nov.1952. 281.8 F2223
Agricultural policy.

29286 ANDREWS, S. The American farmer in the world picture. U. S. Dept. State. B. 27:708-711. Nov.3, 1952. 150 B87

29287 ARCES, J. D'. Coup d'oeil sur le Danemark. Elevage et Cult. 4(46):5-9. Oct.1952. 24 EL2
Agriculture.

29288 ÅSTRAND, H. Adaptation of agricultural production. (In Swedish.) Lantbrakad. Tidskr. 91:48-56. 1952. 104 Sw3
English summary.

29289 ÅSTRAND, H. A glance at farm problems. (In Swedish.) Lantmannen 36:1008-1009. Dec.6,1952. 11 L234
Sweden.

29290 AUDENAS, J. Agriculture in Bolshevik-occupied Lithuania. Internatl. Peasant Union. B. 3 (9/10):21-26. 1952. 280.9 In822
Includes land tenure and reform.

29291 AUSTRALIA. DEPT. OF TERRITORIES. Report to the General Assembly of the United Nations on the administration of the territory of New Guinea from 1st July, 1950, to 30th June, 1951. Sydney,1952. 171 p. 280.9 Au724
Includes agriculture.

29292 BAADE, F. Brot für ganz Europa; grundlagen und entwicklungsmöglichkeiten der europäischen landwirtschaft. Hamburg,Parey,1952. 230 p. 33 B11

29293 BAILEY, F. Spotlight's on agriculture as GOP plans reorganization. Cotton Gin & Oil Mill Press 54:11-12,17. Jan.3,1953. 304.8 C822

29294 BAKER, J. D. JR., and PAARLBERG, D. Outlook evaluation—methods and results. Agr. Econ. Res. 4:105-114. Oct.1952. 1 Ec7Agr

29295 BANCA D'ITALIA. Assemblea generale ordinaria dei partecipanti, tenuta in Roma il giorno 31 maggio 1952, anno 1951 [General ordinary assembly of participants, held in Rome, May 31, 1952, year 1951]. Roma,1952. 419 p. 280.9 B2283
Includes agriculture.

29296 BARBA, L. DELLA. Glance at the year 1951. (In Italian.) Agr. Ferrarese 55:280-281. Dec.31,1952. 16 Ag87
Agriculture.

29297 BENEDIKTOV, L. A. Development of agriculture in the Volga Don Region. (In Czech.) Za Socialist. Zeměděl. 2:1117-1122. Oct.1952. 19.5 Z1

29298 BERNATZIK, H. A. Unter Rifkabylen und berabischen nomaden; forschungsreisen 1949/50 in Nordwestafrika. Übersicht 3(10):22-28. Oct.1952. 18 Ub3
Includes agriculture.

29299 BEUKENKAMP, R. L. The agricultural side of the election campagn in the United States. (In Dutch.) Landbouwwereldnieuws 7:640-642. Oct.4,1952. 12 L237

29300 BEVIN, R. H. With population increasing by 30,000 yearly expanded production is vital. (Excerpts.) New Zeal. Dairy Exporter 28(6):4-5. Dec.1952. 44.8 N484

29301 BICE, S. A. What does the future hold for farmers and ranchers. Colo. Agr. Col. Colo. A. & M. News 7(5):5,7. Nov.1952. 6 C713

29302 BIRD, J. What now for the farm programs? Country Gent. 123:17,38-39. Jan.1953. 6 C833

29303 BOBEK, H. Südwestdeutsche studien. Remagen,Verlag des Amtes für Landeskunde,1952. 67 p. (Forschungen zur Deutschan Landeskunde. Bd. 62) 33.27 B634
Agricultural regions, plant communities, and land use.

29304 BONADONNA, T. The agriculture and livestock problem in Colombia. (In Italian.) Allevatore 8(48): 6. Nov.30,1952. 49 AL55

29305 BOUFFIL, F. Réflexions sur le paysannat sénégalais & son amélioration possible. Bambey Cent. de Rech. Agron. B. 4:51-58. 1952. 24 B21

29306 BRANDT, J. More uncertainties in offing to plague Midwest farmers. Com. West 105(2):47-48. Jan. 10,1953. 286.8 C733

29307 BRDA, J. Development of agriculture in the Orlitz Mountain Range (Adlergebirge). (In Czech.) Za Socialist. Zeměděl. 2:1135-1145. Oct.1952. 19.5 Z1

29308 BRETIGNIERE. La situation agricole à la fin de 1952. Acad. d'Agr. de France. Compt. Rend. 39: 618-624. Nov.5/12,1952. 14 P215Bc
Includes discussion.

29309 BROWN, G. Food not excuses. Farmer & Stock-Breeder 67(3298):37,39. Jan.6,1953. 10 F228
Food expansion program in Great Britain.

29310 BUTZ, E. L. Agriculture and big Government. (Excerpts.) Hoosier Banker 36(12):31-33. Dec.1952. 284.8 H76
Agricultural policy.

29311 CABOT, J. El progreso agrícola. Balearic Isl. Diputación Prov. B. de Agr. 96:3. Sept.1952. 15 B19

29312 CANADA. MARKETING SERV. ECONOMICS DIV. Federal agricultural assistance programs, Canada, 1900-1951, by M. R. Cameron and F. Shefrin. Ottawa, 1952. 118 p. 284.3 C1622F
Includes subsidies.

29313 CANADA. MARKETING SERV. ECONOMICS DIV. Federal agricultural legislation in Canada, by V. H. Matte. Ottawa,1952. 60 p. 30.5 C16

29314 CASE, H. C. M. Our changing agriculture. Rur. Realtor 4(4):4-8. Fourth Q.1952. 282.8 R88

29315 CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA. FOREIGN COMMERCE DEPT. Southeast Asia and the economy of the free world. Washington,1952. 30 p. Ref. 280.18 C35
Includes agriculture.

29316 CIPPERLY, J. Strong USDA team being formed as first storm clouds appear. Nowest. Miller 249(2):32. Jan.13,1953. 298.8 N81

29317 COMITÉ NATIONAL DU KIVU. Rapports du Conseil de Gérance et du Collège des Commissaires présentés à l'assemblée générale ordinaire de 1952 (2 octobre 1952). Bruxelles,1952. 35 p. 281.9 K65
Includes report of agricultural policy.

29318 CONGRESO AGRICOLA, GANADERO, FORESTAL Y PESQUERO DEL SUR DE CHILE, 4TH, TEMUCO, 1951. Hacia el desarrollo racional de los recursos naturales del Sur de Chile. Temuco,1952. 381 p. 27 C7655

29319 COSLINE, H. L. Dividends from planning in 1953. Amer. Agr. 150:1,5. Jan.3,1953. 6 Am3

29320 COUPIGNY, J. Vallée du Niari, terre d'avenir. Rev. Internatl. des Prod. Colon. 27:175-179. Oct.1952. 286.8 R326
Agricultural.

29321 CRAMOIS, A. Le role des capitaux dans l'accroissement de la productivité agricole. Prob. Écon. 251:8-11. Oct.21,1952. 280.8 P948
France.

29322 CRAWFORD, J. G. Food production: the prospect ahead. So. Austral. Dept. Agr. J. 56:124-128. Oct. 1952. 23 So84
The Australian policy in 1952.

29323 CRESSEY, G. B. Land for 2.4 billion neighbors. Econ. Geog. 29:1-9. Jan.1953. 278.8 Ec7
Land use, available arable land, and food production possibilities.

29324 DALISAY, A. M. Agriculture and trade in a changing economy. Sugar News [Manila] 28:489-493. Oct.1952. 65.8 Su36
As applied to the Philippines.

29325 DALY, R. F. What farmers may expect in the year ahead. Agr. Situation 36(12):3-4. Dec.1952. 1 Ec7Ag

29326 DEUTSCHES WIRTSCHAFTSINSTITUT. Die westdeutsche landwirtschaft unter dem druck des finanzkapitals. Deut. Wirtinst. Ber. 3(15/16),16 p. Aug.1952. 280.9 B453

29327 DUCKHAM, A. N. American agriculture, its background and its lessons. London,Min. Agr. and Fisheries,1952. 78 p. 281.12 D85

29328 FANFANI, A. The development of Italian agriculture. (In Italian.) Georgofili (ser.6)16:24-31. 1952. 507 F51

29329 FANNING, J. W. Looking ahead with Georgia farm families to 1953. Ga. Agr. Col. Ext. C. 379,22 p. Dec.1952. 275.29 G29C

29330 FARNWORTH, C. H. The agriculture of Uruguay. U. S. D. A. Foreign Agr. B. 3,133 p. Ref. Aug. 1952. 1 F752F

29331 FLIPOT, F. Canada, terre d'avenir. Caen, Ozanne,1951. 48 p. 31.2 F64
Agriculture.

29332 FRANCE. DIRECTION DE LA DOCUMENTATION. La situation économique de l'Allemagne Orientale. 1. Les principaux secteurs de l'économie en 1951-1952. France. Dir. de la Doc. Notes et Etudes Doc. 1667,50 p. Oct.16,1952. 280.9 F843
Includes agriculture and the agrarian reform.

29333 FREEMAN, V. C. National legislation affecting agriculture. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:200-202. 1951. 4 As7

29334 GADBERRY, V. The South's greatest 15 years of progress. South. Seedsman 16:19,86. Jan.1953. 61.8 So8
Agriculture.

29335 GENEL, R. Notas sobre el Estado de Guerrero. Rev. de Econ. 15:294-297. Sept.1952. 280.8 R3293
Includes agriculture.

29336 GORSE, A. "J'attache une grande importance à la prospérité de nos agriculteurs" déclarait le 7 août dernier le Président Truman. École Colon. d'Agr. de Tunis. Assoc. Amicale des Anciens Élèves. B. Période. 136:52-53. Sept./Oct.1952. 24 T833B

29337 GREAT PLAINS COUNCIL. Cooperation of Federal agencies in stabilizing agriculture under land development programs; proceedings, Lander, Fremont County, Wyoming, August 3, 4, 5, & 6, 1952. n.p.,1952. 67 p. 282.9 G7992

29338 GRUENING, E. Agriculture [in Alaska]. Alaskan Agr. 5(4):11-13. Winter 1952/53. 6 AL16

29339 GULF, MOBILE AND OHIO RAILROAD. Gulf, Mobile and Ohio reports on Mississippi at the invitation of Governor Hugh White, and the Mississippi Agricultural & Industrial Board. n.p.,1952? 10 p. 280.045 G95
Includes paper "The development of Agriculture, Forestry, Minerals," by S. A. Robert.

29340 HAEBERLI, R. Agrarwirtschaftliche zusammenarbeit und erhaltung des bäuerlichen familienbetriebes. Agrarpolit. Rev. 9:85-97. Nov.1952. 281.8 Ag824
Europe.

29341 HASSELBACH, W. VON. Die landwirtschaft in der deutschen volkswirtschaft. Deut. Landwirt. Gesell. Mitt. 67:817,830-833. Nov.6,1952. 18 N39

29342 HATHCOCK, J. S. A study of agricultural conditions in the Belgian Congo and Ruanda-Urundi. Paris,Off. U. S. Spec. Represent. in Europe,1952. 73 p. 173.2 Ec72Stu

29343 HEDGES, T. R., and BAILEY, W. R. State's productive capacity, changes in supplies of feed grains, hay, and pasturage projected for 1955 on basis of trend. V. Calif. Agr. [Calif Sta.] 6(11):2,15. Nov.1952. 100 C12Cag

29344 HENTEN, VAN. Le problème agricole en Inde Centrale et Méridionale; avec un aperçu du marché du matériel agricole. B. Com. Belge 66(10):49-61. Oct 25,1952. 286.8 B41

29345 HERMES, A. Lage und aufgaben der deutschen landwirtschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:6-8. Jan.1,1953. 18 L2346

29346 HERNANDEZ, M. La diversificación de la agricultura puertorriqueña. Rev. de Agr. P. R. 43:13-22. Jan./June 1952. 8 R325

29347 HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 200,6 p.-folder. Dec.24,1952. 275.29 W27C

29348 HOFFMAN, S. S. The farm sector in 1953. Natl. Indus. Conf. Bd. Business Rec. 10:32-34. Jan. 1953. 280.9 N216Cb

29349 HOMAN, J. L. World agriculture and food situation. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:651-652. Oct.22,1952. 44.9 AL3

29350 HOSELITZ, B. F., ed. The progress of underdeveloped areas. Chicago,U. Chicago Press,1952. 296 p. 280 H79
Contains references to agriculture and the agrarian reform for which the index should be consulted.

29351 HOUGHTON, J. C. W. Rural studies, book three. London,Dent,1952. 184 p. 32 H812

29352 HUIJTS, J. Les problèmes agricoles en U.R.S.S. (In Dutch.) Econ.-Statis. Ber. 37:971-974. Dec.17,1952. 280.8 Ec722
French summary, p. 963.

29353 HUNGARTON, LORD, and others. Britain's long-term farming policy. Dairy Farmer [Ipswich] 25 (12):16-19. Dec.1952. 44.8 D1414
M. M. Cooper, S. Foster, G. Henderson, and H. Walston, joint authors.
A discussion.

29354 HUTCHINSON, K. T. Toward greater farm progress. Washington,U. S. D. A., Off. Sec.,1952. 13 p. 1.91 A2H97
Talk at the Conference of Presidents of Negro Land-Grant Colleges in the United States, Washington, D. C., Oct. 22, 1952.
Farm progress in the South.

29355 INDEX bibliographicus; directory of current periodical abstracts and bibliographies, compiled by T. Besterman, v. 1. Ed. 3, rev. Paris,Unesco,1952. 52 p. (United Nations Educational, Scientific and Cultural Organization, Publication 863) 241.2 L47
Includes agriculture.

29356 INFORMES sobre el avance agrícola en la América Latina. Hacienda 48:44-46,68. Jan.1953. 6 H11
Colombia, by C. J. Cabal Cabal, Cuba, by A. Jacomino, El Salvador, by R. Quiñónez, and Dominican Republic, by A. A. Bogaert.

29357 INTERNATIONAL CONGRESS ON ANIMAL HUSBANDRY. 6th, COPENHAGEN, 1952. Excursions. Copenhagen,1952. 32 p. 49.9 In8206E
Agriculture in Denmark depicted.

29358 JAGGI, R. Die schweizerische landwirtschaft und die bestrebungen für eine engere wirtschaftliche zusammenarbeit in Europa. Grüne 80:1333-1335. Dec.5, 1952. 17 Sch9
Reported by E. Pulver.

29359 THE JAPAN year book 1949-52. Tokyo, 1952. 778,523 p. 269.7 J277
Issued by the Foreign Affairs Association of Japan.
Contains chapters on agriculture and forestry.

29360 JOHNSON, P. C. Farm prospects brighter for 1953. Prairie Farmer, Gen. Ed. 124(23):1,36. Dec.6, 1952. 6 P883

29361 JOHNSON, S. E. Prospects and requirements for increased output. J. Farm Econ. 34:682-697. Dec. 1952. 280.8 J822
Includes discussion by P. E. Nystrom.

29362 JOHNSTON, W. B. Pacific Island agriculture: the contemporary position in Western Samoa and some wider implications. Econ. Geog. 29:26-38. Jan.1953. 278.8 Fc7

29363 JONASSON, O. G., and others. Jordbruksatlas över Sverige [Farm atlas of Sweden]. Ed. 2. Stockholm, Lantbruksförbundets Tidskriftsaktiebolag,1952. 183 p. 257.3 J69
E. J. Höjer, R. Torssell and S. Holmström, joint authors.

29364 JOYCE, F. Looking forward to a better year in 1953. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 67(12):18, 114. Dec.1952. 6 P945K

29365 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. Agricultural conferences and events, 1952-53. Manhattan,1952. 15 p. 5 K13

29366 KELLER, F. L. Resources inventory—a basic step in economic development. Econ. Geog. 29:39-47. Jan.1953. 278.8 Ec7
Includes agricultural and forest resources.

29367 KEVERS, G. Monographie des groupements Mugabo-Mumosho en territoire de Kabare. Belgium. Min. des Colon. B. Agr. du Congo Belge 43:967-978. Dec.1952. 24 K83
Agricultural program.

29368 KIEFER, A. Eindrücke von einer studienreise nach Schweden. Molk.- u. Käserei-Ztg. 3:1440-1443. Nov.13,1952. 44.8 M736
Aspects of agriculture.

29369 KNIGHT, H. V. Farming around the world. Denver,Natl. Farmers Union,1952. 126 p. 30 K74

29370 KOCH. Streiflichter aus der Schweiz. II. Salsburger Bauer 7(50):2-3. Dec.11,1952. 19 Sa3
Agricultural.

29371 KOCH, E. Jugoslawien—faktor und partner. Obst u. Gemüse 4:1022-1023. Oct.16,1952. 286.83 Ob72
Agriculture and trade.

29372 LADEIRA, J. S. Let us orient our agricultural production (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(6):3-4. June 1952. 9.2 M663

29373 LETOURNEAU, A. Autres lueurs sur l'agriculture de demain. Foyer Rur. [Montreal] 11(12):7,19. Oct.1952. 7 F83

29374 MALAVIYA, K. D. The five-year plan and rural development. United Prov. Co-op. J. 28:437-453. July 1952. 280.28 Un3

29375 MARTIN, P. Farming—Canada's basic industry. Ontario Milk Prod. 28:140-141. Nov.1952. 44.8 On8

29376 MASPÉTIOL, R. La géographie du droit rural. Acad. d'Agr. de France. Compt. Rend. 39:565-569. Oct.8/15,1952. 14 P215Bc

29377 MAURITIUS. Report, 1951. Port Louis,1952. 158 p. 280.9 M442
Includes agriculture.

29378 MEESSEN, J. M. T. Monographie de l'Ituri (Nord-Est du Congo Belge); histoire, géographie, économie. Bruxelles,Direction de l'Agriculture, des Forêts, de l'Elevage et de la Colonisation,1951. 305 p. 127 M472
Includes agriculture and botany.

29379 MEIJER, H. Efforts toward improvement of agricultural production and fish supply. (In Dutch.) Landbouwwereldnieuws 7:688-690. Oct.25,1952. 12 L237
In Brazil.

29380 MILEN, P. Les expériences socialistes dans l'agriculture en U.S.S.R. et en Yugoslavia. Paris?1951? 175 p. 281.179 M592
Thesis.

29381 MILLER, R. W. Point 4 builds strength in the Americas. Amer. Coop. 24:93-103. 1952. 280.29 Am3A
Agricultural program.

29382 MISSION TO NICARAGUA. The economic development of Nicaragua. Baltimore,Internatl. Bank for Reconstr. and Devlpmt.,1952. 108 p. 280.15 M69
Includes agriculture.

29383 MONTANA STATE PMA COMMITTEE. 1951 annual report, Montana PMA, ACP, and related programs. Bozeman,1952? 65 p. 1.42 W52An
Similar reports for Idaho, North Carolina, South Dakota, Oregon, and Washington.

29384 MOREL, P. L'agriculture française. Paris, ESSO Standard,Société Anonyme Française,1952. 31 p. 33.17 M812

29385 MOSEMAN, A. H. New foundations for tomorrow's agriculture. Com. Fert. 85(6):30,32,34,36,40, 42. Dec.1952. 57.8 C73

29386 MOSEMAN, A. H. New foundations for tomorrow's agriculture. Washington,U. S. Bur. Plant Indus., Soils & Agr. Engin.,1952. 17 p. 1.965 A2M85
Talk before the National Fertilizer Association meeting in Miami, Fla., Nov. 21, 1952.

29387 MUIR, D. J. Queensland's contribution world food supplies. New Commonwealth 24:574-577. Dec.8, 1952. 280.8 C88
Productive capacity of agriculture.

29388 MUNDE. Rückblick und ausblick. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:3-4. Jan.1,1953. 18 L2346

29389 NEGRO year book; a review of events affecting Negro life, 1952. New York,Tuskegee Inst.,1952. 424 p. 239 N31
Contains a chapter on Negroes in agriculture.

29390 NEIGHBOURS, J. L. Agriculture—the first occupation of man. Aberdeen-Angus J. 34(6):74,192; (7): 61,176. Jan.-Feb.1953. 43.8 Ab3
In the Bible.

29391 NEWELL, S. R. A letter to crop reporters. Agr. Situation 36(12):7. Dec.1952. 1 Ec7Ag
Includes a summary of the over-all agricultural situation.

29392 NOILHAN, H. Productivité en agriculture. Agrarpolit. Rev. 9:147-152. Dec.1952. 281.8 Ag824

29393 NOILHAN, H. Structure réelle de l'économie moderne: observations d'un agronome. Acad. d'Agr. de France.Compt. Rend. 39:651-653. Nov.5/12,1952. 14 P215Bc

29394 NOILHAN, M. H. Structure réelle de l'économie moderne; industrie & agriculture. 2. Colon Franç. de Tunisie (ser.7)45(2247):1,4. Nov.8,1952. 24 C712

29395 NORDLANDER, C. H. Future problems in agriculture. (In Swedish.) Lantmannen 37:3-4. Jan.3, 1953. 11 L234
Sweden.

29396 NORTH CAROLINA. UNIVERSITY. INSTITUTE FOR RESEARCH IN SOCIAL SCIENCE. Summary of the Interim Report [of the] Savannah River urbanization study; development of guides for urbanization in rural areas affected by building of large industrial plants. Research project 1-E-117. Washington,Housing and Home Finance Agency,1952. 43 p. 177.3 Su6
Includes agricultural data.

29397 NORWAY. LANDBRUKSDIREKTØREN. Melding om de offentlige tiltak til opphjelp av landbruket i året 1947. [Report on Government efforts to aid agriculture in the year 1947]. Oslo,1952. 107 p. 11 C46

29398 O'DONOVAN, J. Trends in agriculture. Ireland Dept. of External Aff. Doc. on Ireland 7,8 p. 1952. 281.171 Od5

29399 OPERA VALORIZZAZIONE DELLA SILA. Attività dell'opera nell'altipiano Silano [Activities of the program on the Sila plateau]. Asiago,1952. 35 p. 280.176 Op2A

29400 OPERA VALORRIZZAZIONE DELLA SILA. Calabria in marcia;dati sull' attività [Calabria on the march; data on activity]. Cosenza,1952. 27 p. 280.176 Op2

29401 OSSA, R. Cualquier alteración precipitada solo vendria a desarticular la actividad agrícola. Campesino [Santiago] 84(10):15,17. Oct.1952. 9.3 So12
Chile.

29402 OUCHI, T. Nihon shihonshugi no nogyo mondai [Farming problems in Japanese capitalism]. Tokyo, Tokyo Daigaku,1952. 305 p. 281.183 Ou2

29403 OVERSEAS CONSULTANTS, NEW YORK. Report on Central African rail link development survey. London,United Kingdom Govt.,Colon. Off.,1952. 2 v. 281.19 Ov2
Agriculture.

29404 PAGANI, F. The "green pool." (In Italian.) B. dell'Agr. 86(43):1-3. Nov.7,1952. 16 B87

29405 PALMER, A. E. Agricultural development in the Prairie Provinces; how many acres can a grain farmer really handle? Agr. Inst. Rev. 7(6):27-28,30, 32. Nov.1952. 7 Ag8

29406 PARSONS, F. L. Drouth, production costs cloud the farm outlook. Fed. Reserve Bank Minneapolis. Mon. Rev. 9th Dist. Agr. & Business Cond. 10:341-342, 347. Nov.30,1952. 284.8 F31M

29407 PATRICE, J. La producción agrícola de Egipto depende generalmente de las crecidas del Rio Nilo. Mundo Agr. 4(41):56-57. Oct.1952. 9 M92
Various aspects of agriculture.

29408 PELLEGRINI, C. Now the work of the Italian farmers begins. (In Italian.) Agricoltura 1(10):25-26. Oct.1952. 16 Ag8226
Campaign for increased production.

29409 PFLAUMBAUM, W. Als landwirt auf einer reise durch die USA. Hannoversche Land- u. Forstwirt. Ztg. 105:1214. Nov.29,1952. 18 H194

29410 PIKETTY, R. L'agriculture française pourrait doubler sa production. Agriculture [Paris] 16:251-254. Oct.1952. 14 Ag823

29411 POOL, C. M. Increase those harvests by ten to twenty per cent. Windmill 8:1. Nov.1952. 12 W72
Agricultural production.

29412 REICHLING, R. Zur lage der landwirtschaft. Agrarpolit. Rev. 9:133-135. Dec.1952. 281.8 Ag824
Switzerland.

29413 RIMBERT, E. La Norvège, quelques aspects de son agriculture. Potasse 26:212-213. Dec.1952. 57.8 P84

29414 ROHNER, J. Schweizer landvolk—träger des gemeinschaftslebens. Deut. Landwirt.-Gesell. Mitt. 67: 806. Oct.30,1952. 18 N39
Observations on agriculture.

29415 ROTHERMEL, F. Zum neuen jahr. Landwirt. Wchnbl. 142:1493-1494. Dec.27,1952. 18 L2338
Agricultural problems in Germany.

29416 SAAR, J. Agrarpolitische streiflichter. Österr. Milchwirt. 7:282-283. (Concl.) Oct.7,1952. 44.8 Os72

29417 SAMKALDEN, I. Behartiging van collectieve belangen in de agrarische wetgeving [Protection of collective interest in agricultural legislation]. Wageningen, Veenman,1952. 18 p. 30.5 Sa4
Rede - Landbouwhogeschool, Wageningen.

29418 SCHUTTAUF, A. W. Grundfragen der agrarpolitik. München,Isar Verlag,1952. 40 p. (Münich. Hochschule für Politische Wissenschaften. Schriftenreihe. Heft 22) 281.175 Sch8

29419 SCHWEIZERISCHER BAUERNVERBAND. Die schweizerische landwirtschaft im jahre 1952. Grüne 80:1419-1428. Dec.26,1952. 17 Sch9

29420 SELTZER, R. E. Farm economist looks ahead to 1953. Ariz. Farmer 31(25):1,12-13. Dec.6,1952. 6 Ar44
The outlook for agriculture.

29421 SERRES, J. R. La industria rural y la legislación argentina. Chacra 23(265):64-65. Dec.1952. 9 C34

29422 SHAW, B. T. Land resources for increased agricultural output. J. Farm Econ. 34:673-681. Dec. 1952. 280.8 J822
Discussion by P. E. Nystrom, p. 694-697.

29423 SHUMAN, C. B. We need a new farm program. IAA Rec. 30(12):8-9,47-49. Dec.1952. 6 IL62

29424 SMITH, M. G. How will your farming be in '53? Ohio Farm Bur. News 32(6):14-15. Jan.1953. 6 Oh34

29425 SPENCER, J. E. Land and people in the Philippines: geographic problems in rural economy. Berkeley,U. Calif. Press,1952. 282 p. Ref. 281.1995 Sp3
Agriculture.

29426 STANTON, J. Switzerland's basic agricultural law. Foreign Agr. 16:194-198. Nov.1952. 1.9 Ec7For

29427 STEINER, H. Förderung der almwirtschaft. Bauer 5(38):8-10. Nov.1,1952. 19 B32
Austria.

29428 STORM-PEINE. Agrarpolitik—versuch einer vorhersage auf längere sicht. Landwirtbl. Weser-Ems 99:1203-1204. Nov.27,1952. 18 L2345

29429 STORM-PEINE. Gegenwartsfragen der agrarpolitik—steuerprobleme. Landwirtbl. Weser-Ems 99: 1079-1080. Oct.23,1952. 18 L2345

29430 STRAWN, Z. C. Looking ahead on the farm front. Tarheel Banker 31(7):9-10. Jan.1953. 284.8 T17

29431 STRUTT, C. W. Agriculture in perspective. Hawkesbury Agr. Col. J. 49:141-143. Sept.30,1952. 276.8 H31
Australia.

29432 STUCKY, H. R. Looking ahead with Montana farmers and ranchers. Mont. State Col. Ext. Folder 22, 12 p. Sept.1,1952. 275.29 M76Fol

29433 SUCHTELEN, G. E. VAN. The position with regard to European agricultural integration. (In Dutch.) Landbouwwereldnieuws 7:685-687. Oct.25,1952. 12 L237

29434 SUDAN almanac 1952. Khartoum,1952. 202 p. 280.8 Su25
Includes agriculture.

29435 TESTA, J. How can production costs be decreased? (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:778-780. Sept.1952. 68.29 Sa63
Agricultural policy.

29436 TEUNIS, J. P. Mens en bouwland. Is een verhoging van de landbouw-opbrengst noodzakelijk, en zo ja, is zij mogelijk? Welke middelen staan daartoe de mens ten dienste? [Man and arable land. Is an increase of agricultural yields necessary, and if so is it possible? What means are available to do so?]. Den Haag,Nederlandse Vereiniging voor Sexuele Hervorming,1952. 20 p. 33.15 T29

29437 THEDIECK. Die lage der landwirtschaft in der Sowjetzone. (Sum.) Landwirt. Z. der Nord-Rheinprov. 119:1300-1301. Nov.29,1952. 18 L2344

29438 TODD, K. Farming in New Zealand; Ashley County. New Zeal. J. Agr. 85:418-421,423,425,427,429, 431-432. Nov.15,1952. 23 N48J

29439 TOLIVER, J. O. Status of Indian agriculture on the Wind River Indian Reservation. Great Plains Agr. Council. Proc. 1952:12-14. 282.9 G7992

29440 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The agricultural outlook for 1953, by B. Allin, F. V. Waugh, B. Crom, and J. Towers. Washington,Oct.25,1952. 3 p. 1.914 R2R11

29441 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. What's ahead for farmers in '53. I., by S. E. Johnson, B. W. Allin, R. Roberts, and K. M. Gapen. Washington,Dec.27,1952. 3 p. 1.914 R2R11

29442 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Supplemental report, Missouri River Basin agricultural program; letter from the Secretary of Agriculture transmitting the first "Supplemental report, Missouri River Basin agricultural program." 82d Cong., 2d sess. House Doc. 530,217 p. 1952. 1 Ag86Mis

29443 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Foreign agricultural situation charts and maps. Washington,1952. 61 p. 1.943 F7623

29444 UPSHAW, W. E. Formulation of policy in agricultural administration. Oreg. Dept. Agr. Agr. B. 176:6-7. Dec.1952. 2 Or3
Oregon State Department of Agriculture.

29445 VALDÉS FONTECILLA, M. Tenemos profunda confianza en que nuestra crisis agrícola puede ser salvada. Campesino [Santiago] 84(10):11-14. Oct.1952. 9.3 So12
Chile.

29446 VAN VLIET, W. How agriculture is progressing. Foreign Trade 12(311):17-20. Dec.13,1952. 286.8 C162
Germany.

29447 VENGRIÍA, promyshlennost' i sel'skoe khozяĭstvo. Hungary, industry and agriculture. Budapest,Hungarian Chamber of Com.,1952. 96 p. 297 H89

29448 VERTUNNI, R. End of the agricultural year (In Italian.) Agenzia Romana Note e Inform. Agr. 5(101): 10. Dec.4,1952. 281.8 Ag3

29449 VICTORIA, AUSTRALIA. CENTRAL PLANNING AUTHORITY. Loddon region; resources survey. Melbourne,Gourley,1952. 105 p. 279.1992 V66L
Includes agriculture and land use.

29450 VIRGINIA STATE PMA COMMITTEE. Annual report, 1950. Richmond,n.d. 57 p. 1.956 A2An76
Data on agricultural conservation, marketing quotas, loans and purchases, and crop insurance.

29451 VOISIN, A. Productivité americaine et productivité française en agriculture. Frob. Écon. 251: 11-14. Oct.21,1952. 280.8 P948

29452 WALLER, A. G., and CARNCROSS, J. W. New Jersey's growing agriculture. Rev. N. J. Business 8(3):12-13,19. Oct.1952. 280.8 R3242

29453 WELBORN, R. Impact of Government programs on agricultural industries. J. Farm Econ. 34: 637-648. Dec.1952. 280.8 J822
Includes discussion by H. M. Robertson.

29454 WELLS, O. V. The Great Plains' stake in resource development. Great Plains Agr. Council. Proc. 1952:20-29. 282.9 G7992

29455 WEST TEXAS CHAMBER OF COMMERCE. AGRICULTURE AND LIVESTOCK DEPT. Annual report, agriculture and livestock. West Tex. Today 33(9):7-8. Nov.1952. 286.8 W522

29456 WILK, E. How Great Britain intends to help small farmers. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(103):8-9. Dec.10,1952. 281.8 Ag3

29457 WILLIAMS, D. B. Food production and rural welfare; new approach to extension work. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:133-137. Oct.1952. 281.9 Au73
Australia.

29458 WILSON, M. L. The Great Plains Council, its function as one man sees it. Great Plains Agr. Council Proc. 1952:17-19. 282.9 G7992

29459 WRIGHT, D. M. Our agricultural policies and our economic system. J. Farm Econ. 34:630-636. Dec. 1952. 280.8 J822
Includes discussion by W. H. Nicholls.

Subsidies

29460 GALLWEY, G. B. Factory records and the subsidy audit. Austral. Dairy Rev. 20(11):10-13. Nov. 1,1952. 44.8 Au73
For butter.

29461 JONG, G. DE., and SWART, J. L. B. Subsidized green feed drying plants in 1951. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:373-378. Oct,1952. 12 N383M

COST AND STANDARD OF LIVING

29462 ANDERSON, W. A. A study of the values in rural living. VII. Summary of finding. N. Y. (Cornell) Agr. Expt. Sta. Rur. Sociol. P. 34,25 p. Oct.1952. 100 N48CM

29463 CHAPMAN, P. W. Better-farm-living gains. Prog. Farmer, Tex. Ed. 68:40,42. Jan.1953. 6 T311
In the South.

29464 COLES, J. V. Dairy products in food expense; surveys made in Oakland and in Los Angeles indicate share of dairy products in the family food expense. Calif. Agr. [Calif. Sta.] 6(11):13-15. Nov.1952. 100 C12Cag

29465 FOURT, L. A. How city families spent their income in 1950. N. Dak. Agr. Expt. Sta. Bimon. B. 15: 49-54. Nov./Dec.1952. 100 N813B

29466 MAVINKURVE, B. S. A comparative study of the economic condition of landless labourers, cultivators-cum-labourers and cultivators in Bombay Karnatak. Indian J. Agr. Econ. 7(2):59-70. Aug.1952. 281.8 In2
Income, indebtedness, and standard of living.

29467 ORSHANSKY, M. Equivalent levels of living: farm and city. Natl. Bur. Econ. Res. Studies Income & Wealth 15:175-200. 1952. 284 C765

29468 STIEBELING, H. K. Are farm families catching up? J. Home Econ. 45:9-12. Jan.1953. 321.8 J82
Cost and standard of living.

29469 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Family size and income and expenditure in current dollars and index of real value. Washington,1952. 1 p. 1.982 A2F213

29470 U. S. EXTENSION SERV. Rural family living outlook "send-for" list. Washington,1952. 3 p. 1.913 R2R882

29471 WATSON, E. S. Observations on a rural family living study in York County, South Carolina. Washington, U. S. Dept. Agr.,1952. 6 p. 1.90 C2Ou8
Talk at Annual Agricultural Outlook Conference, Washington, D. C., Oct. 22, 1952.

FARM MANAGEMENT AND LAND ECONOMICS

29472 ARE YOU a better man than your neighbor? Farm Mangt. 2:54-59. Nov./Dec.1952. 281.8 F2225
Reports available on management and costs and returns.

29473 AUGELLI, J. P. Sugar cane and tobacco: a comparison of agricultural types in the highlands of eastern Puerto Rico. Econ. Geog. 29:63-73. Jan.1953. 278.8 Ec7

29474 BACHMAN, K. Theories and techniques in aggregative analysis in farm management. J. Farm Econ. 34:787-798. Dec.1952. 280.8 J822
Includes discussion by L. Day.

29475 BAKER, C. B. What organization of irrigated farms gives highest, most stable income? Mont. Farmer-Stockman 40(7):1,16. Dec.1,1952. 6 M764
From pasture and livestock or cash crops.

29476 BECK, V. S. Conservation at Rancho de la Sombra [Arizona]. Soil Conserv. 18:114-115. Dec.1952. 1.6 So3S

29477 BELL, A. F. Some overseas agricultural practices which could assist Australian production. Queensland Agr. J. 75:249-252. Nov.1952. 23 Q33
With particular reference to British agriculture.

29478 BENDER, L. M. Special problems in agricultural economics extension in the Great Plains. J. Farm Econ. 34:850-854. Dec.1952. 280.8 J822

29479 BISSOT. Une excursion guidée dans les exploitations de la Société Coopérative Suisse pour la Culture Maraichère (S.G.C.). Inst. Prov. de Coop. Agr. B. 11:30-34. Nov.1952. 280.29 L62

29480 BOARDMAN, A. H. High production on the small farm. Farmers' Club. J. 7:106-123. 1952. 10 L84
Includes discussion.

29481 BOSS, A., and others. American farming; agriculture III. Ed. 2. St.Paul,Webb,1952. 494 p. Ref. 30.2 B65A
H. K. Wilson, W. E. Petersen, and A. M. Field, joint authors.
Aspects of management.

29482 BOSTIAN, C. H. Summary of methods being used to acquaint high school students with opportunities in agriculture. Assoc. Land-Grant Col. & U. Proc. 65: 200. 1951. 4 As7

29483 BOTTUM, J. C. Methods of presenting economic data to farmers. J. Farm Econ. 34:837-841. Dec.1952. 280.8 J822

29484 BOVOLO, M. L'agricoltore istruito; elementi di scienze, agraria, zootecnia e contabilità agraria [The farmer instructed; elements of science, agriculture, zootechnics, and agricultural accounting]. Ed. 7. Torino,Paravia,1952. 324 p. 30.2 B662

29485 BULLOCK, D. S. Como aumentar los rendimientos de la producción agropecuaria. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.176-185. Temuco,1952. 27 C7655

29486 BURTIN, J. Production laitière et exploitation familiale. Fiches Rur. 85:21-26. Nov.1952. 281.8 F44
France.

29487 BUTLER, C. P. Economics of grassland farming in the Southeast. J. Farm Econ. 34:768-774. Dec. 1952. 280.8 J822
Management.

29488 CAGLE, A. J. Special problems in agricultural economics extension in the Far West. J. Farm Econ. 34:855-856. Dec.1952. 280.8 J822

29489 CANADA. MARKETING SERV. ECONOMICS DIV. Farm practices in central Saskatchewan. Regina, Agr. Representative Serv.,Saskatchewan Dept. Agr.,1952? 40 p. 281.137 C162F
Management.

29490 CANADA. MARKETING SERV. ECONOMICS DIV. A study of the farm business in the Carlyle-Moosomin area of southeast Saskatchewan,1948, by G. Haase. Ottawa,1952. 29 p. 281.137 C162S
Includes costs and returns.

29491 CASELBERG, H. M. Essentials in the economic management of a dairy farm. Ruakura Farmers' Conf. Week. Proc. 1951:79-86. 49.9 R82
Includes discussion.

29492 CAVINA, R. Organization of the cattle farm. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 5:265-266. Sept.1952. 44.8 B634
Brazil.

29493 CHINESE RESEARCH INSTITUTE OF LAND ECONOMICS. A brief description of the Chinese Research Institute of Land Economics. Taipei,1952. 11 p. 282.9 C44

29494 CHOHLIS, J. The 'Elko experiment' points to a realistic public land program. West. Livestock J. 30(64):41-43,61. Nov.15,1952. 6 F2278

29495 DARBY, B. T. Double triumph on Romney Marsh; traditional sheep country becomes half arable, but flocks are increasing, and Land Commission's targets have been exceeded. Farmer & Stock-Breeder 66(3297): 34-35. Dec.30,1952. 10 F228

29496 DARRAH, L. B. Business aspects of commercial poultry farming. New York,Ronald Press,1952. 204 p. 281.347 D25

29497 DAVIDSON, R. D. Federal and State rural lands, 1950, with special reference to grazing. U. S. D. A. C. 909,100 p. Ref. May 1952. 1 Ag84C

29498 DIEPENHORST, A. J. Management and its importance for the agricultural holding. (In Dutch.) Groninger Landbbl. 30(40):1-2. Oct.9,1952. 12 G892

29499 DIGBY, M. Modernising the North African peasant. Coop. Living 4:11-13. Fall 1952. 280.28 C7871

29500 DNESTROV, G. A. Multi-branch economy on a leading collective farm. (In Russian.) Sotsialist. Zhivotnovod. 14(7):81-82. July 1952. 49 So71
28 Iûnia Kolkhoz in Oknitskii District, Moldavian SSR.

29501 DU TOIT, S. J. Economic survey of cattle farms in two agro-economic cattle-grazing areas. Farming So. Africa 27:469-475. Oct.1952. 24 So842

29502 FANNING, J. W. Special problems in agricultural economics extension in the South. J. Farm Econ. 34:847-849. Dec.1952. 280.8 J822

29503 FEDTKE. Abkalbezeiten, futterversorgung, milchanlieferung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2093. Dec.20,1952. 18 L2346
Management.

29504 FELLOWS, I. F. The economics of grassland farming in the Northeast. J. Farm Econ. 34:759-764. Dec.1952. 280.8 J822
Management and costs.

29505 FORD, R. G. Integrating research and extension in the field of farm management. J. Farm Econ. 34:822-827. Dec.1952. 280.8 J822

29506 FRANCISCO, D. L. Crop sharing controversy between landlord and tenant. Agr. & Indus. Life 14(10):2-3,39. Oct.1952. 25 Ag8
Philippines.

29507 GASKIN, B. Wise farming; a New England farmer shows how. Rur. Life, Sept.1952:5. 281.28 R884

29508 GORELOV, I. T. How Mar'inskaîa Machine-Tractor Station is securing increased yields on the serviced collective farms. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:60-62. June 1952. 20 D742

29509 GRISWOLD, A. W. Farming and democracy. New Haven,Yale U. Press,1952. 227 p. 281 G88
The family farm and agricultural policy.

29510 HAGAN, A. R. Special problems in agricultural economics extension in the North Central area. J. Farm Econ. 34:845-846. Dec.1952. 280.8 J822

29511 HARRIS, F. S. Farming in Iran. Utah Farmer 73:3,10. Jan.1,1953. 6 D45

29512 HARRIS, M., and THARP, M. Case studies of father-son farm agreements. Ga. Agr. Col. Ext. B. 570, 48 p. Jan.1952. 275.29 G29B

29513 HEER, K. Fragen der organisation des unternehmens und der wahrung der eigentümerrechte. Schweiz. Landwirt. Monatsh. 10:346-349. 1952. 17 Sch93

29514 HEUSER, O. E. Die betriebsgestaltenden kräfte. Übersicht 3(10):35-37. Oct.1952. 18 Ub3
Germany.

29515 HICKS, R. S. Well fed. Ext. Serv. Rev. 23: 216. Dec.1952. 1 Ex892Ex
Family food production program.

29516 HILL, E. B. How tomorrow's farmers are becoming established; summary of youth symposium. Amer. Coop. 24:731-732. 1952. 280.29 Am3A

29517 HOOD, K. Special problems in agricultural economics extension in the Northeast. J. Farm Econ. 34:842-844. Dec.1952. 280.8 J822

29518 HOPSON, G. H. The need of greater economy in quality milk production. Wash. State Col. Inst. Dairying. Proc. 21:125-139. 1952. 44.9 W27

29519 HUTCHINSON, J. I rear the bacon—you raise the beef; the story of a "bi-lateral" farming agreement between two Cheshire farms, whereby an interchange of weaner pigs from one and surplus calves from the dairy herd on the other works to the advantage of both. Farmers Wk. [London] 37(24):66-67. Dec.12,1952. 10 F2226

29520 JASNY, N. Kolkhozy, the Achilles' heel of the Soviet régime. Oxford,Blackwell,1951. 14 p. 281.179 J31K

29521 JOHNSON, G. L. Handling problems of risk and uncertainty in farm management analysis. J. Farm Econ. 34:807-821. Dec.1952. 280.8 J822
Includes discussion by C. W. Allen and C. B. Haver.

29522 JONES, L. W. Share dairying: new tenancy patterns for the South. Rur. Sociol. 17:374-376. Dec. 1952. 281.28 R88

29523 KJAR, N. A. M. Premier stock fodder conservationists for 1952. Tasmania. Dept. Agr. Tasmanian J. Agr. 23:345-351. Nov.1952. 23 T182T
Chiefly pasture and stock management.

29524 KNAPP, J. O. The farmer of tomorrow. Amer. Coop. 24:698-703. 1952. 280.29 Am3A

29525 KRAMER, W. B. The Tuolumne Cooperative Farms. Coop. Living 4:13-14. Fall 1952. 280.28 C7871

29526 KRIVOKOBYL'SKII, I. First achievements of a new collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(7):15-17. July 1952. 281.8 K83
Kirov Kolkhoz in Zastavna District, Chernovtsy Region.

29527 LAMBERT, J. Agriculture generale. Ed. 3. Bruxelles,Erasme,1952. 358 p. 33.13 L17

29528 MCMILLAN, J. S., and HUDSON, C. E. Experimental farms and stations of the N. A. A. S. 1-2. Gt. Brit. Min. Agr. Agriculture 59:421-427. Dec.1952. 10 G79J
1, Experimental husbandry farms, by J. S. McMillan; 2, Experimental horticulture stations, by C. E. Hudson.

29529 MCPHERSON, W. W. Sources and use of technical data in farm management analysis. J. Farm Econ. 34:799-806. Dec.1952. 280.8 J822
Discussion by C. W. Allen and C. B. Haver, p. 817-821.

29530 MALIÛTA, D. A. Practices of Medvedovskaîa Machine-Tractor Station [in Krasnodar Territory]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:13-16. Aug.1952. 20 D742

29531 MIKHAÎLOV, P. N. Ways of further lowering the maintenance cost of minks. (In Russian.) Karakulevodstvo i Zverovodstvo 5(4):37-42. July/Aug.1952. 49 K14

29532 MORRIS, L. There is a place for the small poultry farm. Utah Poultry Co-op. 17(3):3,5. Nov. 1952. 280.28 Ut1

29533 MORSE, T. D. Farm management service—its accomplishments and possibilities. Rur. Realtor 4(4):13-15. Fourth Q.1952. 282.8 R88

29534 MOTHERAL, J. The family farm on trial. I. Prog. Farmer, Tex. Ed. 68:15. Jan.1953. 6 T311

29535 MUNDE. Wie handhabt man seine betriebsvoranschläge? Deut. Landwirt. Gesell. Mitt. 67:869-881. Nov.20,1952. 18 N39

29536 NAMON, M. K. Farming in the North. Gold Coast Co-op. News 8:5. Aug.1952. 280.28 G562

29537 NEW SOUTH WALES. DEPT. OF LANDS. Report for the year ended 30th June, 1951. Sydney, 1952. 48 p. 271.1 L22R

29538 NEW YORK. CONSERVATION DEPT. Forty-first annual report for the year 1951. Albany,1952. 338 p. 279.9 N48
Includes the Division of Lands and Forests.

29539 PASCHER, O. Das jahr des landwirtes; ein kurzgefasstes handbuch für die landwirtschaft. Graz, Johann,1951. 110 p. 33.27 P26

29540 PATON, W. N. Analysis of farming in New Zealand other than dairy and sheep farming. New Zeal. J. Agr. 85:484-485. Dec.1952. 23 N48J

29541 PATTERSON, J. W. Notes on Dutch farming. Worcestershire Agr. Chron. 20:319,321,323,325. Sept./Nov.1952. 10 W892

29542 PETRAS, H. W. Economic farm practices and their relation to national economy. So. Austral. Dept. Agr. J. 56:140-141. Oct.1952. 23 So84

29543 POPE, A. L. There's money in sheep—if. Equity Co-op. Livestock News 17(7):6-7. Nov.1952. 280.28 Eq5
Sheep farm management.

29544 RATCHFORD, C. B. Selecting economic data to present to farmers. J. Farm Econ. 34:828-836. Dec.1952. 280.8 J822

29545 RIVERO TORRES, R. Pairumani: a model farm in Bolivia. (In Portuguese.) Fazenda 47(11):26-30. Nov.1952. 6 H11P

29546 SCHILLER, O. Um die existenz der kleinstbetriebe. Agrarwirtschaft 1:305-308. Nov.1952. 281.8 Ag826
Germany.

29547 SERPIERI, A. Socialization of management. (In Italian.) Rinascita Agr. 7(16):1. June 15,1952. 281.8 R47
Agriculture.

29548 SINGH, H. S. Why co-operative farming? II. United Prov. Co-op. J. 28:468-475. July 1952. 280.28 Un3

29549 SMITH, R. S. How tomorrow's farmers are becoming established; summary of youth symposium. Amer. Coop. 24:729-730. 1952. 280.29 Am3A

29550 SOROKIN, V. P. Practices of Put' k Kommunizmu Collective Farm [in Timashev District, Krasnodar Territory]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:8-12. June 1952. 20 D742

29551 SUKACH, I. F. Achievements of science and leading practices in the agriculture of Uzbekistan. (In Russian.) Dostizheniià Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:71-73. July 1952. 20 D742

29552 TANGANYIKA. DEPT. OF LANDS AND MINES. Annual report 1950. Dar es Salaam,1952. 87 p. 282.9 T15A

29553 TKACHEVA, T., and VASIL'EV, M. Administration of a kolkhoz in the effort to observe the [Stalin] Code of the Agricultural Artel. (In Russian.) Kolkhoz. Proizvodstvo 12(7):14-15. July 1952. 281.8 K83

29554 TREVOR, H. W. Farming in the Rainy River and Dryden districts of northwestern Ontario. Econ. Annal. 22:140-144. Dec.1952. 281.8 Ec72
Economic aspects including land utilization, labor, and costs and returns.

29555 VAN DRESSER, C. Abuse of public lands under the mining laws. No. Amer. Wildlife Conf. Trans. 17:8-12. 1952. 412.9 N814

29556 VARY, K. A. Economics of grassland farming in the Cornbelt. J. Farm Econ. 34:765-767. Dec.1952. 280.8 J822
Management and costs.

29557 VOVCHENKO, I. Strengthening the public economy of 17 Parts''ezd Collective Farm [in Odessa Region]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6:12-14. June 1952. 20 D742

29558 WALKER, H. From spear to hoe on Groote Eylandt; at a lonely outpost of stone age Arnhem Land, once-nomadic Australian aborigines settle down to farm life. Natl. Geog. Mag. 103:131-142. Jan.1953. 470 N213

29559 WALLACE, J. How to appraise a farm management program. Better Farming Methods 25:48,50. Jan.1953. 58.8 B46

29560 WEST, Q. M. Some alternative sampling techniques in the measurement of farm-business characteristics. J. Farm Econ. 34:982-987. Dec.1952. 280.8 J822

29561 WHITLOCK, R. So great a diversity. II. A survey of British agriculture details our specialities against the backcloth of mixed farming. Field 200:949-950. Nov.29,1952. 10 F45

29562 WIGHTMAN, R. Days on the farm. London, Hutchinson,1952. 191 p. 32 W633D

29563 WILSON, R. Father-son business arrangements, a way to keep the farm in the family. Utah. State Agr. Col. Ext. Fact Sheet 5,4 p. Mar.1952. 275.29 Ut1F

29564 WOERMANN, E., and GEUTING, H. Die betriebsformen der hühnerhaltung und ihre bestimmungsgründe. Agrarwirtschaft 1:298-305. Nov.1952. 281.8 Ag826
Germany.

29565 WOOD, R. G. Broadacres; the story of a centennial farm. Appalachia 29:205-210. Dec.1952. 500 Ap4
History of a farm.

29566 YOHE, R. S. Denmark's problem—too many farms: too few acres. 5. Farmer [St. Paul] Gen. Ed. 71: 10,25. Jan.3,1953. 6 F2211

29567 YOHE, R. S. Farm life in Finland. Nebr. Farmer 94(23):10,40. Dec.6,1952. 6 N27

29568 YOHE, R. S. Rugged winters are a problem for farmers in Finland. Farmer-Stockman 55(12):41. Dec.1952. 6 Ok45

Bookkeeping and Records

29569 BEMELMANS, J. Farm and pasture accounting. I-II. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:806-814,901-909. Sept.-Oct.1952. 68.29 Sa63

29570 DAWE, C. V. Farm book-keeping. London, 1952. 248 p. (Nelson's Agriculture Series) 30.6 D32

29571 EPPERSON, G. R., and others. The Virginia farm and home account book. Va. Agr. Col. Ext. C. 536, 34 p. Jan.1952. 275.29 V81C
K. Bundy, H. Alverson, A. H. Fuller, and K. E. Loope, joint authors.

29572 FARRIS, M., and STUCKY, H. R. Your valuable papers, do you know where they are? Mont. State Col. Ext. Folder 19,6 p. Feb.1952. 275.29 M76Fol

29573 FM PROBLEM study report No. 7: accounting can make your business talk. Farm Mangt. 2:63-76. Nov./Dec.1952. 281.8 F2225
Part I, A model accounting system for a diversified farm, by A. Schultis.

29574 PETRICEVIC, J. Zur berechnung der produktionskosten der milch. Agrarpolit. Rev. 9:115-121. Nov.1952. 281.8 Ag824

29575 SEMENOV, P. Records of truck work on collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(7): 45-46. July 1952. 281.8 K83

29576 SIJTSMA, P. Central cooperative agricultural bookkeeping. XXXI. (In Dutch.) Bolwerk 5(4):12-13. Oct. 1952. 280.28 B633

29577 TRESSLER, J. O. Story of two Ohio farmers; one has a family labor income of nearly $6,000 while the other was $672; acreage and crop yields were similar. Hoard's Dairyman 98:46. Jan.10,1953. 44.8 H65
Accounting.

29578 U. S. RURAL ELECTRIFICATION ADMIN. REA borrowers (electric) responsible for the audit of their accounts and the inspection of work order construction. U. S. Rur. Electrif. Admin. REA B. 109-2,69 p. Aug.1952. 1.933 R2293

29579 U. S. RURAL ELECTRIFICATION ADMIN. Suggested minimum audit standards for certified public accountants examining the books of REA borrowers (electric). U. S. Rur. Electrif. Admin. REA B. 109-1,16 p. July 1952. 1.933 R2293

Costs and Returns

29580 BARATTE. Sur la rentabilité de certaines dépenses. Acad. d'Agr. de France. Compt. Rend. 39: 460-461. June 25/July 9,1952. 14 P215Bc

29581 BARON, D. Looking for the hidden dollar. Farmer's Mag. 49(12):9,42. Dec. 1952. 7 C165
Reduction of farm costs.

29582 BECKER, W. Produktionskosten und weinpreise als faktoren der wirtschaftlichkeit des weinbaues. Deut. Weinbau 7:578-579. (Cont.) Oct.20,1952. 390.8 W432

29583 BOLDRINI, V. Livestock, forages, machines. (In Italian.) Agr. Ferrarese 56:87-94. Apr.30,1952. 16 Ag87
Comparative costs and returns in raising beef and dairy cattle and the use of mechanization.

29584 CALDERÓN, J. R. Estudio sobre los costos para producir el arroz en Puerto Rico, 1945-1946. P. R. (Rio Piedras). Agr. Expt. Sta. B. 105,19 p. Apr.1952. 100 P83

29585 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1st annual report, Contra Costa County poultry egg cost management study, 1951-52, by A. Shultis and J. C. Borden. Berkeley?1952. 7 p. 275.29 C12En

29586 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Income supplement to the second annual report of the Santa Clara County walnut management study, 1951. Berkeley?1952. 2 p. 275.29 C12En

29587 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 citrus production cost study, lemons & grapefruit, San Bernardino County, by W. Sullivan and R. W. Southwick. Berkeley,1952? 10 p. 275.29 C12En

29588 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 orange production cost study, Navels & Valencias, San Bernardino County, by W. Sullivan and R. W. Southwick. Berkeley,1952. 10 p. 275.29 C12En

29589 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. What does it cost you to grow beans? A summary of costs in Sutter County for 1950, by R. C. Pearl and A. D. Reed. Yuba City,1952. 3 p. 275.2 C12Wa

29590 CARD, L. E., and SCOTT, H. M. Yardstick for maximizing returns from broiler growing. Soeast. Poultryman 6(1):54-55,120. Jan.1953. 47.8 So872

29591 CÓMHLUCHT SIÚICRE ÉIREANN, TEO. Sugar beet costs in 1948 and 1952. Dublin,1952. 7 p. 281.366 C73

29592 DAVIS, T. J. Mathematics of a managed pasture. Soil Conserv. 18:111-112. Dec.1952. 1.6 So3S
Costs and returns.

29593 DIJKSTRA, H., and RIEMSDIJK, J. F. VAN. Uitkomsten van weidebedrijven over 1947/48 tot en met 1950/51; ontwikkeling van de kosten en de opbrengsten over de laatste jaren [Results of wheat farms for 1947/48 compared with 1950/51; development of costs and returns in recent years]. Landb.-Econ. Inst. Bedrijfsecon. Meded. 5,54 p. Mar.1952. 281.9 L23B
Netherlands.

29594 DINSDALE, D. H., and ROBSON, S. Costs and returns from yard fattened cattle 1951-52. King's Col. Farm Econ. Br. Rpt. G. 42,9 p. 1952. 281.9 K61

29595 DOES, J. V. D., and SPOOR, P. A. Cost and returns of lettuce culture. (In Dutch.) Groenten en Fruit 8:256-257. Oct.16,1952. 80 G89
Netherlands.

29596 EFFERSON, J. N. Costos y ganacias en la industria de la caña de azúcar en Louisiana desde 1937 a 1949. Agr. Mod. [New Orleans] 6(2):12-16. Sept.1952. 6 Ag8

29597 FANNING, J. W. Figuring farm profits. Prog. Farmer, Ga.-Ala.-Fla. Ed. 67(12):15,118. Dec.1952. 6 P945G

29598 FULLILOVE, W. T., and ELROD, J. C. Sericea lespedeza: production practices and costs in the Piedmont and Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 44, 17 p. Apr.1952. 100 G29M

29599 GARRIGUS, U. S. Are sheep profitable? Sheep & Goat Raiser 33(3):33. Dec.1952. 45.8 Sh3

29600 GERICKE, A. M. Egg-production cost. Farming So. Africa 27:486. Nov.1952. 24 So842

29601 HEADY, E. O. Use and estimation of input-output relationships or productivity coefficients. J. Farm Econ. 34:775-786. Dec.1952. 280.8 J822
Discussion by L. Day, p. 795-798.

29602 HILADO, A. The economics of sugar cane farming. II-III. Sugar News [Manila] 28:480-481. Oct. 1952. 65.8 Su36

29603 HJELM, L. Profitability of agriculture in the 1940's. (In Swedish.) Lantmannen 36:975-976,982. Nov. 29,1952. 11 L234
Sweden.

29604 HUPKES, C. M., and RIEMSDIJK, J. F. Uitkomsten van gemengde bedrijven op zandgrond over 1948/49 tot en met 1950/51 [Results of mixed farms on sandy soils, 1948/49 compared with 1950/51]. Landb.-Econ. Inst. Bedrijfsecon. Meded. 6,85 p. June 1952. 281.9 L23B
Netherlands.

29605 JENNINGS, R. D. Economic considerations in use of urea for feeding beef and dairy cattle. U. S. Bur. Agr. Econ. F. M. 98,14 p. Sept.1952. 1.941 L6F22

29606 KAHSNITZ. Rentabilitätsrennen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2073-2074. Dec.20, 1952. 18 L2346

29607 KOJE, A. Kartoffelanbau in zuckerrübenbetrieben? Deut. Landwirt. Gesell. Mitt. 67:872-873. Nov.20,1952. 18 N39
Costs and returns.

29608 MAASS. Kennhuhnzüchtung wirtschaftlich betrachtet. Thür. Kleintierzüchter 6:326. Oct.10,1952. 49 T42
Costs and returns.

29609 MEADLEY, D. R., and SIMMONS, E. K. Two Tasmanian sheep properties; financial results compared on improved and unimproved farms. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:155-158. Oct.1952. 281.9 Au73

29610 MIEGE, E. La réduction des frais de la production agricole. Inform. Marocaine 616:1,3. Nov.1, 1952. 281.8 In3

29611 MINCHEW, J. V. Irish potatoes: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 48,11 p. May 1952. 100 G29M

29612 MINCHEW, J. V., and ELROD, J. C. Lima beans: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 46,13 p. May 1952. 100 G29M

29613 MINCHEW, J. V. Sweet corn: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 49,10 p. May 1952. 100 G29M

29614 MINCHEW, J. V., and FULLILOVE, W. T. Watermelons: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 50,12 p. May 1952. 100 G29M

29615 MORRISON, E. M. Production costs and returns for canning peas, tomatoes, and corn, in Utah for various years 1945-1951. Utah. Agr. Expt. Sta. Mimeog. Ser. 388,5 p. Apr.1952. 100 Ut1Mi

29616 MUELLER, A. G., and REISS, F. J. Summary of farm business records on 2,993 farms in Illinois for 1951. Ill. Farm Econ. 206/207:1383-1403. Aug./Sept. 1952. 275.28 IL5

29617 NATIONAL FARMERS' UNION. Result of horticultural accounts scheme 1950/51. N.F.U. Inform. Serv. Sup. 2,19 p. Oct.1952. 281.9 N213Na

29618 NODLAND, T. R., SWANSON, H. W., and POND, G. A. Report of the farm management service for veterans taking on-the-farm training in northern Minnesota, 1951. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 201, 27 p. Aug.1952. 281.9 M66
Costs and returns.

29619 NODLAND, T. R., SWANSON, H. W., and POND, G. A. Report of the farm management service for veterans taking on-the-farm training in southeastern Minnesota, 1951. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 202,30 p. Sept.1952. 281.9 M66
Costs and returns.

29620 NODLAND, T. R., SWANSON, H. W., and POND, G. A. Report of the farm management service for veterans taking on-the-farm training in southwestern Minnesota, 1951. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 198,28 p. July 1952. 281.9 M66
Costs and returns.

29621 NORTH OF SCOTLAND COLLEGE OF AGRICULTURE. AGRICULTURAL ECONOMICS DEPT. Report on the production of milk 1950/51, Aberdeen & District Milk Marketing Board area, by A. D. Imper and M. A. Haughs. Aberdeen,1952. 10 p. 284.3449 N81
Costs and returns.

29622 NORTH OF SCOTLAND COLLEGE OF AGRICULTURE. AGRICULTURAL ECONOMICS DEPT. Report on the production of milk 1950/51, North of Scotland Milk Marketing Board area, by A. D. Imper and M. A. Haughs. Aberdeen,1952. 16 p. 284.3449 N81R
Costs and returns.

29623 OLSON, R. O., and HEADY, E. O. What to do with extra forage? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:73-75. Nov.1952. 275.28 Io94
Costs and returns of various livestock feeding systems.

29624 PATTERSON, H. L. The factors in low cost canning crop production. Food Canada 13:9-10,14-15. Jan.1953. 389.8 F7323
Vegetables.

29625 PERRON, J. La production du lait est payante en hiver. B. des Agr. 34(11):11,22. Nov.1952. 7 B872
Costs and returns in Canada.

29626 PETERS, H. Erntekosten mit und ohne mähdrescher. Landwirt. Wchnbl. 143:20. Jan.3,1953. 18 L2338

29627 PIÑERO, M., and CALDERÓN, J. R. Costos de producción del tabaco, Zona Central Este, Puerto Rico, 1948-49. P. R. (Rio Piedras) Agr. Expt. Sta. B. 96,27 p. Nov.1951. 100 P83

29628 PLÜTNER, H. H. Ist nerzzucht heute noch rentabel? Deut. Pelztierzüchter 26:231. Dec.25,1952. 412.628 D48

29629 PRAKASH, O. Statistical analysis of prices received and prices paid by the farmer in the Punjab, 1950-51. East Punjab. Bd. Econ. Inq. P. 15,42 p. 1952. 281.9 Ea72

29630 ROGER, W. Die wirtschaftlichkeit der hähnchenmast. Deut. Wirtgeflügelzucht. 5:107. Nov.29, 1952. 47.8 D483

29631 SAVAGE, Z. Profitableness of oranges, temples, and tangerines, 1945-50. Citrus Mag. 15(4): 16-17. Dec.1952. 80 C498

29632 SHRABSHTEÏN, G. Introduction of cost accounting factors into the work of tractor brigades of machine-tractor stations. (In Russian.) Mashinno-Traktornaîa Sta. 12(7):6-9. July 1952. 58.8 M11

29633 STALDER, W. D., ROBERTSON, L. S., and RICHARDSON, G. L. Pasture improvement costs in southern Indiana. Ind. Agr. Expt. Sta. B. 579,23 p. July 1952. 100 In2P

29634 SUOMELA, S. On the variability of operating results in agriculture. (In Finnish.) Suomen Maatalous-tiet. Seura. Maataloustiet. Aikakausk. 24:93-118. 1952. 20 Su7M
English summary.

29635 TAYLOR, C. C., and FULLILOVE, W. T. Cantaloupes: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 47,15 p. May 1952. 100 G29M

29636 TAYLOR, C. C., and ELROD, J. C. Snap beans: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 43,18 p. Apr. 1952. 100 G29M

29637 TAYLOR, C. C. Tomatoes: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 45,18 p. May 1952. 100 G29M

29638 TEMPERTON, H. Economics of egg production. Farmers' J. (n.s.)4(3):16. (Cont.) Jan.1953. 10 F2234

29639 THOMSEN, C. C. Importance of land distribution. (In Danish.) Dansk Landbr. 71:593-594. Dec.4, 1952. 280.28 V91
On returns.

29640 U. S. BUR. OF AGRICULTURAL ECONOMICS. The farm cost situation. U. S. Bur. Agr. Econ. FCS-13, 28 p. Oct.1952. 1.941 F8F222

29641 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm costs and returns, 1951, with comparisons; 20 types of commercial family-operated farms in 10 major farming regions. U. S. Bur. Agr. Econ. F. M. 93,27 p. June 1952. 1.941 L6F22

29642 VÁZQUEZ CLACERRADA, P. B. Costos e ingresos comparativos entre las empresas de piña y caña de azúcar. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 14,9 p. Dec.1951. 100 P83Es

29643 VINE, R. How profitable can pigs be? New Zeal. Farmer 73(19):7-8. Nov.20,1952. 23 N484

29644 WHELDEN, H. C. Cost of producing broilers to 3 1/2 lbs. Poultry Indus. [Boston] 58(4):10,18. Dec. 1952. 47.8 N44

Land Settlement and Colonization

29645 BLAIR, J. F. St. Lawrence farmers battle many hazards. Sowest. Crop & Stock 6(11):11,87. Nov. 1952. 6 So8942
Settlement in Glasscock County, Texas.

29646 CARACAS. INSTITUTO AGRARIO NACIONAL. Unidades, centros y colonias. Caracas,1952. 36 p. 282.2 C17U

29647 FARMER, B. H. Peasant colonization in Ceylon. Pacific Aff. 25:389-398. Dec.1952. 280.8 P11

29648 FERNANDEZ Y FERNANDEZ, J. Necesidad de la cooperación ante el plan de colonización, electrificación e industrialización de la provincia de Badajoz. Cooperacion [Madrid] 127:10-11. Sept.1952. 280.28 C7875

29649 HARRIS, C. D., and WÜLKER, G. The refugee problem of Germany. Econ. Geog. 29:10-25. Ref. Jan.1953. 278.8 Ec7
Includes possibilities of settlement.

29650 HUDSON, A. B. Re-settlement of rural England; why not use the National Trust? Rur. Econ. 20(3):4. Apr.1952. 281.28 R8842

29651 MCCALLUM, E. W. Changes justified Federated Farmers attitude towards the original land bill. Straight Furrow 11(12):11. Oct.1,1952. 281.8 St8
Land Settlement Promotion Bill in New Zealand.

29652 NELSON, L. The Mormon village; a pattern and technique of land settlement. Salt Lake City,U. Utah Press,1952. 296 p. 282.2 N332

29653 OPERA VALORIZZAZIONE SILA. SETTORE DI COLONIZZAZIONE DI CROTONE. Notizie sul comune di Melissa e sulla assegnazione di terre [Notes on the commune of Melissa and land assignments]. Crotone, Pirozzi,1951. 7 p. 282.176 Op22

29654 PARROT, J. La colonisation progressive. Ferme 14(2):36-37. Oct.1952. 7 F38
Canada.

29655 RONCHI, V. Technical, economic and psychological aspects of agricultural colonization. (In Italian.) Georgofili (ser.6)16:131-152. 1952. 507 F51

29656 SOUZA, J. C. DE. The Colonization Institute and the necessity of planning for future colonies. (In Portuguese.) Minas. Gerais. Dept. de Prod. Veg. B. de Agr. 1(5):47-50. May 1952. 9.2 M663

29657 TUINMAN, A. S. Enige aspecten van de hedendaagse migratie van Nederlanders naar Canada. Some aspects of the Netherlands-Canadian settlement scheme. Wageningen,Veenman,1952. 91 p. 282.2 T81
Proefschrift - Landbouwhogeschool, Wageningen.
English summary.

29658 URUGUAY. INSTITUTO NACIONAL DE COLONIZACIÓN. Aspectos de la labor cumplida por el Instituto Nacional de Colonización 18 de junio de 1948—31 de marzo de 1952. Uruguay. Inst. Nac. de Colon. B. Anexo 3(26),1 p. Apr.1952. 282.29 Ur8A

29659 URUGUAY. INSTITUTO NACIONAL DE COLONIZACIÓN. La obra colonizadora en el departamento de San José. Uruguay. Inst. Nac. de Colon. B. Anexo 3(25),map. Mar.1952. 282.29 Ur8A

29660 WILLSON, C. H. A settlement plan for Turkey. Washington,U. S. Econ. Coop. Admin. Spec. Mission to Turkey,1951. 33 p. 173.2 Ec72Se

Land Tenure

29661 AKHTAR, S. M. The land tenure situation in Pakistan. Pakistan Econ. & Com. 1:139-146. Mar.1952. 280.8 P175

29662 APPEL, W. H. The conservation of property. Yale Conserv. Studies 1:67-71. May 1952. 279.8 Y1
Land tenure.

29663 ASPECTS of the Soviet land reform in eastern Europe and China, by Agricola. (In Italian.) Econ. Internaz. 5:816-839. Nov.1952. 280.8 Ec728

29664 BARBA, L. DELLA. Developments in the small peasant property. (In Italian.) Agr. Ferrarese 56:73-77. Apr.30,1952. 16 Ag87

29665 BERRY, R. L. Long- or short-term leases? S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:14-16,21. Fall 1952. 100 So82S

29666 BRADLEY, J. D., and HODGE, C. H. Factory farms or family farms? Farmer's Mag. 49(11):12-13, 54. Nov.1952. 7 C165

29667 BRINGOLF, E. Zum geleit. Schweiz. Landwirt. Monatsh. 10:329-330. 1952. 17 Sch93
Consolidation of holdings.

29668 BURDICK, Q. Oil leases and problems facing farmers. N. Dak. Union Farmer 18(15):7. Dec.22, 1952. 280.28 N812

29669 BURDICK, Q. Race for oil lands raises land title problems. 2. N. Dak. Union Farmer 18(13):6. Nov. 17,1952. 280.28 N812

29670 BUSH, D. G. Farm rents. Land Agents' Soc. J. 51:488-492. Nov.1952. 282.9 L22
Great Britain.

29671 CERCLER, R. La France recevrat-t-elle une leçon de l'Allemagne en matière de baux à ferme? Renaissance Agr. Metrop. et Colon. 6(10):5. Oct.1952. 14 R292

29672 DANTWALA, M. L. Land reforms in India. Internatl. Labour Rev. 66:419-443. Nov./Dec.1952. 283.8 In8

29673 DENNISTOUN, R. L., POND, G. A., and NODLAND, T. R. A study of the lease arrangements of beginning farmers in west central Minnesota. Minn. U. Div. Agr. Econ. Mimeog. Rpt. 196,18 p. June 1952. 281.9 M66

29674 DORIA, M. R. Changes and problems in land reform in the light of the second year of the Calabrian experiment. (In Italian.) Georgofili (ser.6)16:153-175. 1952. 507 F51

29675 EGGERS, R. Brachliegendes land-volkswirtschaftlich untragbar! Deut. Landwirt. Gesell. Mitt. 67: 937-938. Dec.11,1952. 18 N39
Problems of farm size.

29676 ELSENER, F. Bäuerliches recht; aus der praxis der schweizerischen gerichte. II. Bauerliches erbrecht. Agrarpolit. Rev. 9:97-106. Nov.1952. 281.8 Ag824

29677 FINLEY, M. I. Studies in land and credit in ancient Athens, 500-200 B.C. New Brunswick,N. J.,1952. 322 p. Ref. 282.176 F49

29678 FREEBORN, S. B. Springboard to farm ownership. Country Gent. 122(12):24-25. Dec.1952. 6 C833

29679 FRITZEN, A. Pachtpreise und pachtpreisrichtlinien. Deut. Landwirt. Gesell. Mitt. 67:897-899. Nov.27,1952. 18 N39

29680 GOUVEA, S. DE. The agrarian reform and the rural exodus. (In Portuguese.) Granja [Porto Alegre] 7(58):6-8. Jan.1952. 9.2 G76
Brazil.

29681 GRANOTT, A. The land system in Palestine; history and structure. London,Eyre & Spottiswoode,1952. 359 p. 282.185 G76Lan
Translated from the Hebrew.

29682 GROSTØL, A. On the tenant farmer country of Sweden. (In Danish.) Husmandshjemmet 2(41):4,15. Oct. 8,1952. 11 H963
Size of farms.

29683 HENRICI. Zum neuen Landpachtgesetz: beanstandungs-verfahren von landpachtverträgen. Hannoversche Land- u. Forstwirt. Ztg. 105:1230,1246. (Cont.) Nov.29,Dec.6,1952. 18 H194

29684 HENRICI. Zum neuen Landpachtgesetz: die beanstandung von verträgen. I-IV. Hannoversche Land- u. Forstwirt. Ztg. 105:1056,1080,1112,1171. Oct.18-Nov. 1,15,1952. 18 H194

29685 ITALY. MINISTERO DELL'AGRICOLTURA E DELLE FORESTE. ENTE FUCINO. Land reform in Fucino; fundamental facts. Roma,1952. 23 p. 282.176 It15

29686 JENSEN, O. L. Consolidation of holdings in Norway. (In Danish.) Dansk Skovfor. Tidsskr. 37:500-510. Oct.1952. 99.8 D23

29687 JOVI, G. Expropriation law; exemption necessary for rice farms too. (In Italian.) Mercanzia 7(10):31-34. Oct.1952. 287 B635

29688 KORTE, H. C. P. Die flurbereinigung in Westeuropa. Agrarpolit. Rev. 9:37-64. Sept./Oct.1952. 281.8 Ag824

29689 LA GORCE, R. DE. A propos de la révision du statut du fermage. Renaissance Agr. Metrop. et Colon. 6(10):4. Oct.1952. 14 R292
France.

29690 LEONARD, O. E. Bolivia; land, people and institutions. Washington,Scarecrow Press,1952. 297 p. Ref. 280.162 L55B
Includes man-land relations and tenure.

29691 LUBIN, I. Two patterns for land reform: the free world vs. the Soviet. U. S. Dept. State. B. 27:990-993. Dec.22,1952. 150 B87

29692 MCELVEEN, J. V. Trends in farm size reflect family-farm efficiency. Agr. Situation 36(11):7-8,16. Nov.1952. 1 Ec7Ag

29693 MAHU, H. Remembrement et coopération. Inst. Prov. de Coop. Agr. B. 11:13-25. Nov.1952. 280.29 L62
Belgium.

29694 MEYER. Keine gerichtliche vertragsverlängerung bei vorübergehender verpachtung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:9. Jan.1,1953. 18 L2346

29695 MONTAGNE, R. Abandon de la ferme reprise par un enfant majeur. Prog. Agr. et Vitic. 138:307-309. Nov.30,1952. 14 P94
France.

29696 NIEHUIS. Kurzgeschichte einer weinbergsumlegung. Deut. Weinbau 7:576. Oct.20,1952. 390.8 W432

29697 POIRÉE, M. Le remembrement des terres doit préparer la reconstruction rationnelle de l'habitat rural en région d'habitat concentré. Génie Rur. 45:315-318. Nov.1952. 58.8 Au8
France.

29698 PRAX, A. Le prix du blé pour le calcul des fermages. Prog. Agr. et Vitic. 138:288-289. Nov.16/23, 1952. 14 P94
France.

29699 RAMBERG, C. A. Consolidation of holdings and cost of consolidation. (In Swedish.) Lantbrtidskr. f. Dalarna 5:149-159. Oct.1952. 11 L29
Sweden.

29700 LA RÉFORME agraire dans la Maremma en Italie. Agriculture [Paris] 16:241-243. Oct.1952. 14 Ag823

29701 RICO SANZ, J. La concentración de la propiedad arrocera. Rev. Sind. de Estadís. 7(27):5-7. Third Q.1952. 263 Es8B
Spain.

29702 RIEDEL, R. Die rechtsverhältnisse bei der entnahme von grundwasser. Molk.-Ztg. 6:1995-1996. Oct.23,1952. 44.8 M735
Germany.

29703 RUDOLPH, W. Ein dorf hilft sich selbst; oberndorf—ein vorbild für freiwillige flurbereinigung. Württemb. Wchnbl. f. Landwirt. 119:945-946. Oct.18, 1952. 18 W96

29704 SAVATIER, R. Manuel juridique des baux ruraux. Ed. 2. Paris,1952. 343 p. (Manuels Dalloz de Droit Usuel) 282.174 Sa9

29705 SCHICKELE, R. Theories concerning land tenure. J. Farm Econ. 34:734-746. Dec.1952. 280.8 J822
Includes discussion by J. R. Motheral.

29706 SCHICKELE, R. "Town farming" in four North Dakota counties. N. Dak. Agr. Expt. Sta. Bimon. B. 15:75-79. Nov./Dec.1952. 100 N813B

29707 SIEBOLD, F. Wann endlich wird die deutsche bauernbefreiung wirklichkeit? Deut. Landwirt. Gesell. Mitt. 67:889,901. Nov.27,1952. 18 N39

29708 SINGH, R. Consolidation of holdings. United Prov. Co-op. J. 28:460-464. July 1952. 280.28 Un3

29709 STAKEMANN. Um das erbe. Hannoversche Land- u. Forstwirt. Ztg. 105:1160. (Concl.) Nov.15, 1952. 18 H194

29710 TATE, W. E. The cost of Parliamentary enclosure in England (with special reference to the county of Oxford). Econ. Hist. Rev. (ser.2)5:258-265. 1952. 277.8 Ec7

29711 THELLMANN, W. Können die kosten noch gesenkt werden? Deut. Weinbau 7:575-576. Oct.20,1952. 390.8 W432
Consolidation of vineyards.

29712 U. S. ECONOMIC COOPERATION ADMIN. OFF. OF THE SPECIAL REPRESENTATIVE. FOOD AND AGRICULTURE DIV. Summary of agrarian reform in Italy. Rome,1952. 5 p. 173.2 Ec72Sum

29713 WÄCHLI, E. Betriebswirtschaftliche überlegungen zur güterzusammenlegung. Schweiz. Landwirt. Monatsh. 10:349-351. 1952. 17 Sch93

29714 WACKERLIN, O. Die modernisierung des weinbaues im zuge der güterzusammenlegung. Schweiz. Landwirt. Monatsh. 10:351-356. 1952. 17 Sch93

29715 WHITESELL, D. E. An analysis of the farmer-hunter problem in Ohio. No. Amer. Wildlife Conf. Trans. 17:533-539. 1952. 412.9 N814
Includes discussion.

Land Utilization

29716 ABELLA, C., and RAMIREZ, I. Land classification with special reference to the determination of areas to be set aside as production forests. (Abs.) Philippine J. Forestry 7:166. First/Fourth Q.1950,pub. 1952. 99.8 P53

29717 ALVAREZ MERINO, M. Grave situación de los hortelanos en las ciudades. Agr. Burgalés 19(215): 6-8. Nov.1952. 15 Ag86
Land use.

29718 BROWN, A. J., and SHERRARD, H. M. Town and country planning. Carlton,Victoria,Melbourne U. Press,1951. 382 p. 98.5 B81

29719 CHAMPION, B. Both geese and beef benefit. Soil Conserv. 18:116-117. Dec.1952. 1.6 So3S
Land-use program also serves as wildlife program.

29720 CHANG, T. T. Land utilization in Taiwan. Land Econ. 28:362-368. Nov.1952. 282.9 J82

29721 CHAUDHRI, S. C. Classification of land. India. Dir. Econ. & Statis. Agr. Situation India 7:387-391. Oct.1952. 281.9 In23

29722 CONKLIN, H. E., and LUCAS, B. F. An economic classification of rural land, Cattaraugus County, New York. N. Y. Agr. Col. Ext. Cornell Econ. Land Cl. L. 3,12 p.-folder. June 1952. 275.29 N48Ce

29723 DICKERSON, L. M. Planned land use in Virginia. Va. Wildlife 14:5-7. Jan.1953. 410 V81
Classification.

29724 GARLAND, K. R. Macorna land-use survey. Victoria. Dept. Agr. J. 50:493-496,509-515. (Cont.) Nov. 1952. 23 V66J

29725 LARSEN, H. P. Only farm land. (In Danish.) Dansk Landbr. 71:603-604. Dec.11,1952. 280.28 V91
Land utilization.

29726 NIELSEN, N. C. The heaths in Thisted Province. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 73:219-227. Nov.10,1952. 11 H35
Land use.

29727 OLIVEROS, S., and SAN PEDRO, R. Land classification with special reference to factors determining the type and suitability of lands and soils. (Abs.) Philippine J. Forestry 7:165-166. First/Fourth Q.1950, pub.1952. 99.8 P53

29728 QUIDILLA, R., and SONICO, E. Land classifications with special reference to setting aside forest reserves, national parks, and protection forests. (Abs.) Philippine J. Forestry 7:166-167. First/Fourth Q.1950, pub.1952. 99.8 P53

29729 SALTER, R. M. Maximum production from good land use. Washington,U. S. Soil Conserv. Serv., 1952. 9 p. 1.965 A2Sa3
Talk at annual Iowa-Minnesota Livestock and the Land Institute, Albert Lea, Minn., Sept. 25, 1952.

29730 SANTA CLARA COUNTY, CALIFORNIA. PLANNING COMMISSION. Outline for planning research. Santa Clara Co. Planning Comn. Monog. 1,24 p. 1952. 280.7 Sa5
Includes rural planning.

29731 SANTA CLARA COUNTY, CALIFORNIA PLANNING COMMISSION. Planning goals. Santa Clara Co. Planning Comn. Monog. 2,15 p. 1952. 280.7 Sa5
Includes rural planning.

Land Values and Valuation

29732 BROOKER, M. A. Problems of normal value with rising prices. J. Farm Econ. 34:937-943. Dec. 1952. 280.8 J822
Farm appraisal.

29733 FRANZEN, W. F. Appraising rural property n today's market. Appraisal J. 21:58-66. Jan.1953. :82.8 Am3

29734 HURTT, L. C. A home for a cow—what is it worth? West. Livestock J. 31(5):58,180-182,187. Jan. 1953. 6 F2278
Cattle ranch values and cattle prices.

29735 LARSSON, G. Study of the influence of the special characteristics of a farm on its market value. (In Swedish.) Lantbrakad. Tidskr. 91:330-350. 1952. 104 Sw3
English summary.

29736 MULLER, P. G. Farm appraisal: a few methods and suggestions. Econ. Annal. 22:137-139. Dec.1952. 281.8 Ec72

29737 NIESCHULZ. Benutzung der bodenwertzahlen für nichtsteuerliche zwecke. Hannoversche Land- u. Forstwirt. Ztg. 105:1248. (Concl.) Dec.6,1952. 18 H194

29738 SCHMUTZ, G. L. Cattle ranch appraising. Appraisal J. 21:88-90. Jan.1953. 282.8 Am3

29739 THIRSK, J. The sales of Royalist land during the interregnum. Econ. Hist. Rev. (ser.2)5:188-207. 1952. 277.8 Ec7

POPULATION

29740 ALANIS PATINO, E. Los ingresos de la población agrícola. Rev. de Econ. 15:273-275. Sept. 1952. 280.8 R3293
Mexico.

29741 BLIZZARD, S. W., and ANDERSON, W. F. Problems in rural-urban fringe research: conceptualization and delineation. Pa. Agr. Expt. Sta. Prog. Rpt. 89, 26 p. Nov.1952. 100 P381P

29742 BRAUNEIS. Landflucht des menschen, des kapitals und des bodens. Deut. Landwirt.-Gesell. Mitt. 47:769,789-790. Oct.23,1952. 18 N39

29743 CANDIDA, F. Emigrants of the North and South. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(107):11-12. Dec.27,1952. 281.8 Ag3

29744 DUMONT, R. Les excédents démographiques de l'agriculture méditerranéenne: Italie et Espagne. Population 6:587-600. Oct./Dec.1951. 280.8 P812

29745 EL-SHAFIE, M. A. Population pressure on land and the problem of capital accumulation in Egypt. J. Farm Econ. 34:979-981. Dec.1952. 280.8 J822

29746 ETIENNE, R Exode rural en Gaule Romaine au 11e siècle apres J.-C. Population 7:152-153. Jan./Mar.1952. 280.8 P812

29747 FUKUTAKE, T. Family system and population of farming communities in Japan. Tokyo,Population Problems Research Council,1952. 54 p. (Population Problems Research Council, Tokyo. Population Problems Series No. 6) 280.183 F952

29748 MINTON, G. Integration of displaced persons into U.S. economic life. U. S. Bur. Labor Statis. Mon. Labor Rev. 75:611-614. Dec.1952. 158.6 B87M
Includes persons employed on farms.

29749 MORRIS, J. W. Population trends in the Washita Basin. Okla. Acad. Sci. Proc. 32:136-138. Aug. 1952. 500 Ok42

29750 NORWAY. STATISTISK CENTRALBUR. Folketellingen i Norge 3. desember 1946. Recensement de la population le 3 décembre 1946. Oslo,1951. 317 p. (Norges Offisielle Statistikk XI, 41) 257.2 N832F

29751 OLSON, R. E. The functional decline of Oklahoma villages: a case study. Okla. Acad. Sci. Proc. 32:132-136. Aug.1952. 500 Ok42

29752 PAINTER, N. W., and MORRISON, F. C. Rural population stability, central district of Turrialba Canton, Costa Rica. Rur. Sociol. 17:356-366. Dec. 1952. 281.28 R88

29753 RIO GRANDE DO SUL. DEPT. ESTADUAL DE ESTATÍSTICA. Anuário demográfico do Rio Grande do Sul [Population annual of Rio Grande do Sul] 1949. Porto Alegre,1951. 128 p. 255.3 R475
Includes statistics for rural population.

29754 SKRABANEK, R. L. Recent population trends in Texas. Tex. J. Sci. 4:407-412. Sept.30,1952. 470 T31

29755 VIGGERS, D. A. Population movement from country to towns. New Zeal. J. Agr. 85:510-511,513,515, 517, 519-520. Dec.1952. 23 N48J

29756 WHITE, H. R. Population trends. Washington, U. S. Bur. Agr. Econ.,1952. 9 p. 1.90 C2Ou8
Address at the Annual Agricultural Outlook Conference, Washington, D. C., Oct. 22, 1952.

RURAL SOCIAL ORGANIZATION

29757 BLOCH, M. L. B. Les caractères originaux de l'histoire rurale française. New ed. Paris,Colin, 1952. 261 p. (Economies, Sociétés, Civilisations) 282.174 B62
Includes land tenure and social organization.

29758 EASTMAN, E. R. Something to live by. Westralian Farmers' Co-op Gaz. 23:141,143. Oct.1952. 280 28 W522
Rural life.

29759 FLORENSA, M. El campo y la ciudad. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 53:11-12. Oct. 1952. 15 Sa7
Rural life.

29760 HEESE, E. Was bringt uns das neue familien- und eherecht? Reich der Landfrau 49:389-391. Dec.4, 1952. 18 L2347
Germany.

29761 LAPTEV, I. D. Elimination of contrasts between city and village in the SSSR and ways of living down the differences between them. (In Latvian.) Latv. PSR Zinatņu Akad. Vest. 11:1689-1702. 1951. 511 R442

29762 MATELA, A. G. The amelioriation of rural communities. Plowman 9:4-5,48. July/Aug.1952. 276.8 P72
Philippines.

29763 MOUVEMENT FAMILIAL RURAL. Perspectives du M. F. R. Paris,1951? 44 p. 281.2 M86

29764 PAUL, M. Dairy of a romantic agrarian; from Chicago to a farm in Missouri: two families' trials, tribulations and promise for the future. Commonweal 57:327-330. Jan.2,1952. 280.8 C735

29765 SMITH, E. E. Life on the Texas range, text by J. E. Haley. Austin,U. Tex. Press,1952. 112 p. 138 Sm5
Photographs.

29766 SOCIETE D'EDITIONS TECHNIQUES COLONIALES. Les plantations de caoutchouc au Vietnam et au Cambodge. Paris,1952. 36 p. 78 So1
Social conditions and the rubber industry.

29767 SYRACUSE UNIVERSITY. MAXWELL GRADUATE SCHOOL OF CITIZENSHIP AND PUBLIC AFFAIRS. Opportunities for federally sponsored social science research. Washington,1951. 52 p. Ref. 280 Sy8
Includes the Department of Agriculture.

29768 WILKINSON, H. E. Sun over Cerro Gordo [vivid memories of an Iowa farm boy]. Ames,Iowa State Col. Press,1952. 289 p. 281.2 W65

Human Ecology

29769 ANDERSON, A. H. A study of rural communities and organizations in Seward County, Nebraska. Nebr. Agr. Expt. Sta. B. 405,36 p. Nov.1951. 100 N27

29770 BEYER, E. Das Institut für Raumforschung als dokumentationsstelle. Inst. f. Raumforsch. Inform. 39/40:328-332. Oct.18,1952. 280.9 B6431

29771 CURTIS, H. A. The TVA and the Tennessee Valley—what of the future. Land Econ. 28:333-340. Nov.1952. 282.9 J82

29772 FESSLER, D. R. The community improvement program is a good technique. Ext. Serv. Rev. 23:220-221, 225. Dec.1952. 1 Ex892Ex

29773 GILSON, W., and others. A community looks at itself: a method of self-study for small communities as developed at Weeping Water, Nebraska. Lincoln,1952. 101 p. Ref. 281.2 G423
G. R. Kailey, S. J. Kailey, P. L. Leuenberger, and G. B. Meier, joint authors.

29774 INFIELD, H. F. The Campanella community: a study in experimental religion. Coop. Living 4:1-8. Fall 1952. 280.28 C7871

29775 MARCHANT, W. The Bruderhof communities. Coop. Living 4:8-11. Fall 1952. 280.28 C7871

29776 MAYO, S. C., and BARNETT, W. E. Neighbor groups—an informal system of communication. Rur. Sociol. 17:371-373. Dec.1952. 281.28 R88

29777 OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Community service guide for Ohio, 1952-53, and 72nd annual Community Institute report. Ohio. Agr. Col. Ext. Commun. Inst. CI 20,71 p. Sept.1952. 4 Oh3

29778 POE, W. D. America's No. 1 rural community. Prog. Farmer, Carolinas-Va. Ed. 67(12):19,114. Dec. 1952. 6 P945
Harmony Grange, Edgefield County, S. C., winner of the Sears, Roebuck Foundation award in the National Grange's Community Service Contest.

29779 REIMAN, R. Westphalia, of western Iowa; an experiment in community living. Iowa Agr. 51(4):10-11. Dec.1952. 6 Io9

29780 RYAN, B. Primary and secondary contacts in a Ceylonese peasant community. Rur. Sociol. 17: 311-321. Dec.1952. 281.28 R88
Group relationships.

29781 SABOGAL WIESSE, J. R. "Comunidades de indígenas" of Peru. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:239-246. July/Sept.1952. 26 Ag82
English summary.

29782 STERTEN, A. K. Ecological significance of the climate in regional planning in agriculture. (In Norwegian.) Norsk Landbr. 18:447-449. Dec.5,1952. 11 N8122

29783 U. S. MISSOURI BASIN INTER-AGENCY COMMITTEE. The Missouri River Basin development program. Washington,1952. 48 p. 173 M69M
Missouri River States Committee, cooperating.

29784 U. S. TENNESSEE VALLEY AUTHORITY. LIBRARY. TVA program; a bibliography, by B. L. Foy. Knoxville,1952. 34 p. 173.2 T25Tb

29785 VAZQUEZ CALCERRADA, P. B. Castañer: una comunidad rural de Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 17,19 p. Jan.1952. 100 P83Es

29786 WENGERT, N. I. Valley of tomorrow; the TVA and agriculture. Knoxville,Bur. Pub. Admin.,U. Tenn.,1952. 151 p. (University of Tennessee Record Extension Series v. 28, no. 1) 281.002 W48

Institutions

29787 ALCANTARA, L. B. The Baybay National Agricultural School. Agr. & Indus. Life 14:18-19,44-45. Nov.1952. 25 Ag8
In the Philippines.

29788 ANAND, D. M., and ORCHARD, M. Some suggestions for a village worker; outline of a typical extension programme. Indian Farming (n.s.)2(8):22-25,29, 32. Nov.1952. 22 In283

29789 ANDERSON, G. M. Local cooperation pays. Agr. Educ. Mag. 25:152,157. Jan.1953. 275.8 Ag8
The vocational agriculture program, Winona County, Minnesota.

29790 ANTHONY, E. L. The training of teachers of vocational agriculture. (Abs.) Assoc. Land-Grant Col. & U Proc. 65:191-193. 1951. 4 As7

29791 ARELLANO A., O. Proyecto de Universidad del Sur de Chile. (Sum.) In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.221-226. Temuco,1952. 27 C7655

29792 ASMIS. Grundsätzliches zur stellung der landwirtschaftskammern. Deut. Landwirt. Gesell. Mitt. 67:886-887. Nov.20,1952. 18 N39

29793 ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES. Proceedings, sixty-fifth annual convention, Houston, Texas, November 13-15, 1951. n.p.,1951. 333 p. 4 As7

29794 ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES. COMMITTEE ON EXTENSION ORGANIZATION AND POLICY. SUBCOMMITTEE ON PUBLIC RELATIONS. Report. n.p.,1952. 34 p. 238.2 As73

29795 ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES. COMMITTEE ON GRADUATE INSTRUCTION. The training of college teachers in land-grant institutions. (Excerpts.) Assoc. Land-Grant Col. & U. Proc. 65:228-230. 1951. 4 As7

29796 BALLARD, F. L. Scope and functions of the Extension Service. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:164-165. 1951. 4 As7

29797 BALLEW, J. E. Good public relations is the key to cooperation. Ext. Serv. Rev. 23:217,224-225. Dec. 1952. 1 Ex892Ex

29798 BAUER, A. Jugendaufgaben auf dem lande. Agrarpolit. Rev. 9:152-157. Dec.1952. 281.8 Ag824

29799 BERLIN. UNIVERSITÄT. FAKULTÄT FUR LANDBAU. Institute der Fakultät für Landbau an der Technischen Universität Berlin-Charlottenburg (Hochschulinstitut für Landwirtschaft und Gartenbau). Berlin, 1952. 42 p. 105.8 B454

29800 BEVAN, L. A. Extension's role in education for cooperatives. Amer. Coop. 24:741-750. 1952. 280.29 Am3A

29801 BIRDSALL, R. Team approach in serving Oregon agriculture. Oreg. Dept. Agr. Agr. B. 176:8-9. Dec.1952. 2 Or3
Teamwork between Oregon State College and Oregon State Department of Agriculture.

29802 BOURGET, F. Les cotisations d'allocations familiales. Sol 71:378-381. 1952. 14 So4
France.

29803 BOYCE, M. A county agricultural program that works. Agr. Educ. Mag. 25:166,169. Jan.1953. 275.8 Ag8
In teaching vocational agriculture.

29804 BRADSHAW, P. P. Your baby sitter. N. J. Agr. Col. Ext. L. 95,4 p. Sept.1952. 275.29 N46L

29805 BRANNAN, C. F. Your savings account. Washington,U. S. D. A., Off. Sec.,1952. 9 p. 1.91 A2B73
Talk at convention of Future Farmers of America, Kansas City, Mo., Oct. 15, 1952.
Savings account of knowledge, experience and character for youth.

29806 BROHEE, R. F. La formation professionnelle des jeunes agriculteurs en Europe. n.p.,Commission Europeenne de la Formation Professionnelle des Jeunes, 1952. 19 p. 275.1 B78Eu

29807 BROHÉE, R. F. La formation professionnelle des jeunes agriculteurs en Suisse. n.p.,Commission Européenne de la Formation Professionnelle des Jeunes, 1951? 10 p. 275.1 B78S

29808 BROWN, J. S. The family group in a Kentucky mountain farming community. Ky. Agr. Expt. Sta. B. 588. 38 p. June 1952. 100 K41

29809 BROWN, J. S. The farm family in a Kentucky mountain neighborhood. Ky. Agr. Expt. Sta. B. 587,42 p. Aug.1952. 100 K41

29810 BUNKER, J. W. M. The integration of research programs in pure and applied science with graduate education. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:236-237. 1951. 4 As7

29811 BURTIN, J. Les problèmes municipaux. Fiches Rur. 86:25-30. Dec.1952. 281.8 F44
France.

29812 CHAPUT, F. Méthodologie de l'enseignement des sciences naturelles (sciences agricoles). Liège, Desoer,1952? 157 p. 275.1 C364

29813 CLARK, L. Introducing rural teaching service briefs. NEA Journal 41:578-579. Dec.1952. 275.9 N21J

29814 CLARK, W. W. Scope and functions of the Extension Service. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:167-168. 1951. 4 As7

29815 COFER, D. B. Early history of Texas A. and M. College through letters and papers. College Station, 1952. 143 p. 276 C65

29816 COKE, J. E. A state extension program—how do you put it across? (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:174-175. 1951. 4 As7

29817 COMFORT, R. O. The training of the rural ministry. Town & Country Church 84:1-2. Dec.1952. 281.28 T66

29818 COUNTY AGENT AND VO-AG TEACHER. County agricultural agents, vo-ag teachers, college extension specialists, 1953 directory. Co. Agent & Vo-Ag Teacher 9:17-46,50-96. Jan.1953. 275.28 N213

29819 CRILE, L., comp. Selected bibliography on the origin and development of the farmers' cooperative demonstration work. U. S. Ext. Serv. Ext. Serv. C. 484,15 p. Nov.1952. 1.9 Ex892Esc

29820 CRILE, L., and others. Use of radio by extension workers in the North Central States. Columbia, U. Mo. Col. Agr.,Ext. Serv.,1952. 64 p. 275 C862
Central Region Radio Study Committee, cooperating.

29821 CRUZ RAMIREZ, C. Proyecto de transformación de las enseñanzas primaria y normal rural adaptandolas al ambiente. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.204-220. Temuco,1952. 27 C7655

29822 DAVENPORT, C. B. Work toward common goals is important. Agr. Educ. Mag. 25:154,159. Jan. 1953. 275.8 Ag8
Cooperation of the agencies in the advancement of agriculture.

29823 DAVIS, H. L. How the home and community develop tomorrow's farmers; summary of youth symposium. Amer. Coop. 24:735-736. 1952. 280.29 Am3A

29824 DEEMS, H. W. Relationships must be sought. Agr. Educ. Mag. 25:161,171. Jan.1953. 275.8 Ag8
Between the vocational agricultural instructor and other agricultural agencies.

29825 DEERING, A. L. Pre-service and graduate training of extension personnel. (Digest.) Assoc. Land-Grant Col. & U. Proc. 65:175-177. 1951. 4 As7

29826 DEERING, F. J. Debates and taxes won't assure good health for your family. Farmer-Stockman, Tex. Ed. 56:10-11,64,68. Jan.1953 6 F22127

29827 DENMARK. STATISTISKE DEPT. Folkehøjskoler og landbrugsskoler samt husholdningsskoler 1946/47—1950/51. Folk high schools, 1946/47—1950/51. København,1952. 47 p. 257.1 St2M
Tables also in English.

29828 DIETRICK, L. B. The relationship of research and extension. (Abs.) Va. J. Sci. (n.s.)3:276-277. Sept. 1952. 470 V81

29829 DILLE, C. R. Foor Rural Life School in Angola. Rur. Missions 84:5. Autumn 1952. 281.28 Ag8

29830 DODD, P. A. Program for honor students. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:209-210. 1951. 4 As7
Land-grant colleges.

29831 DONAHOO, A. W. Ag education under Point IV in Bolivia. Agr. Educ. Mag. 25:158-159. Jan.1953. 275.8 Ag8

29832 DUARTE, F. E. Rural social service. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(6):35-43. June 1952. 9.2 M663
Agricultural education.

29833 EDWARDS, N. L. Seed jewelry of old Hawaii made and worn today. Hawaii. U. Agr. Ext. Home Econ. C. 255,7 p. Sept.1952. 275.29 H312H

29834 ELVEHJEM, C. A. The integration of research programs in pure and applied science with graduate education: the relation of university research foundations. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65: 237-238. 1951. 4 As7

29835 FABIERO, A. Effective training abroad for home extension education. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(6/7):18-21. June/July 1952. 25 P544P

29836 FAUST, C. H. The improvement of undergraduate teaching. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:279-280. 1951. 4 As7

29837 FERGUSON, C M. State extension programs: what is in them. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:171-172. 1951. 4 As7

29838 FRENCH, C. C. Business-education cooperation in agriculture. Pacific Nowest. Indus. 12:44-47. Dec.1952. 280 8 N812

29839 GATES, A. D. Health—what are Extension's responsibilities? (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:180-181. 1951. 4 As7

29840 GEORGIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 annual report. Ga. Agr. Col. Ext. B. 571,22 p. Jan.1952. 275.29 G29

29841 GEREMIA, G. Increase of family allowances in agriculture, an act of justice. (In Italian.) Agricoltura 1(10):43-44. Oct.1952. 16 Ag8226
Italy.

29842 GILBERT, A. You can't lose in 4-H. Ext. Serv. Rev. 23:199. Nov.1952. 1 Ex892Ex
Health and nutrition exhibit.

29843 GOBLE, E. L. A state extension program: how you put it across. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:172-173. 1951. 4 As7

29844 GONÇALVES, P. A. The graduates of agricultural schools do not return to the farm. (In Portuguese.) Lav. Arroz. 6(69):17-19. Sept.1952. 59.8 L39

29845 GORDON, W. R. Rural talent festival. Pa. Farmer 148:38-41. Jan.10,1952. 6 P383

29846 GOSS, R. W., TYRE, C. A., and MORGAN, D. H. Enrollment trends in graduate schools of land-grant colleges and universities, 1951. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:227-228. 1951. 4 As7

29847 GRAIONI, U. Large figures in the balance of the Italian agricultural press. (In Italian.) Agricoltura 1(10):60-64. Oct.1952. 16 Ag8226

29848 GRANADA, D. T. For teachers: suggestive system for grading vocational subjects. Agr. & Indus. Life 14(11):6-7,42-43. Nov.1952. 25 Ag8

29849 GRASSBERGER, K. Land- und forstwirtschaftliche berufsausbildung—pflicht oder freiwillig? Salzburger Bauer 7(46):1-3. Nov.13,1952. 19 Sa3

29850 GRIBI, F. Die kulturelle bedeutung des theaterspielens auf dem lande. Grüne 80:1398-1400, 1432-1434. Dec.19-26,1952. 17 Sch9
Switzerland.

29851 GRIMSLEY, C. J. Family teamwork. N. C. Agr. Col. Ext. Misc. Pam. 120,rev.,15 p. July 1952. 275.29 N811M

29852 HAGGERTY, J. J. The United States farmer and the world around him. Christian Rur. Fellowship B. 176:1-6. Oct.1952. 281.29 C46

29853 HAHN, H. Geographie und konfession; ein beitrag zur sozialgeographie des Tecklenburger Landes. Ber. z. Deut. Landesk. 11:107-126. Ref. Feb.1952. 18 B454
Includes data on agricultural population and land tenure.

29854 HAMILTON, C. H. Procedures used in the preparation of a medical service area map for North Carolina. Rur. Sociol. 17:367-371. Dec.1952. 281.28 R88

29855 HAMLIN, H. M. A strategy for agricultural education. Agr. Educ. Mag. 25:165-166. Jan.1953. 275.8 Ag8

29856 HANSEN, H. P., SCHILLING, H. K., and ROHRBAUGH, L. H. Inception and development of the cooperative research internship program (of the U.S. Department of Agriculture and the land-grant colleges and universities). Assoc. Land-Grant Col. & U. Proc. 65:234-235. 1951. 4 As7

29857 HATCHER, H. H. Colleges, universities, and the state. Assoc. Land-Grant Col. & U. Proc. 65:61-67. 1951. 4 As7

29858 HAUSCHILD, I. 317 ladwirtschaftl. fachbücherein. Bauer 5(36):3-4. Oct.18,1952. 19 B32
Austria.

29859 HOAG, W. G. Modernizing your publications. Amer. Coop. 24:267-270. 1952. 280.29 Am3A

29860 HOGAN, M. Home economics in Europe and the Middle East. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:254-255. 1951. 4 As7

29861 HOHENHEIM. LANDWIRTSCHAFTLICHE HOCHSCHULE. Personen- und vorlesungsverzeichnis mit studienführer für das winterhalbjahr 1952/53 und das sommerhalbjahr 1953. Stuttgart,1952. 32 p. 105.8 H683

29862 HORLACHER, L. J. Present trends of agricultural college curricula. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:292-293. 1951. 4 As7

29863 HORLACHER, L. J. Trends in agricultural enrollment. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:197-198. 1951. 4 As7
Includes statistics.

29864 HORST, M. Pennsylvania Farm Show. Pa. Farmer 148:8-10. Jan.10,1953. 6 P383

29865 HOTZ, H. G. Trends in the progress of veterans' farm training in Arkansas. Agr. Educ. Mag. 25:167. Jan.1953. 275.8 Ag8

29866 HUDSON, G. T. Why students drop out of college. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65: 199. 1951. 4 As7

29867 HUDSON, N. P. The proper function of the graduate school in matters pertaining to professional education and degrees. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:232. 1951. 4 As7

29868 HUNT, V. Cooperating with the teen age. Wis. Agr. Col. Ext. C. 428,16 p. July 1952. 275.29 W75C
Family relationships.

29869 HUTCHISON, C. S. English for students of agriculture: a suggested cooperative program for making more effective the results of the instruction in English. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:188-191. 1951. 4 As7

29870 IGOLKINA, M. Scientific workers [of the Dokuchaev Institute of Agriculture of the Central-Chernozem Area] are assisting a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(7):61. July 1952. 281.8 K83

29871 ILLINOIS. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Handicraft, a 4-H Club handbook. Ill. Agr. Col. Ext. 4-H 66,85 p. n.d. 275.29 IL62Fh

29872 IPSEN, J., DONOVAN, W. R., and JAMES, G. Sociologic factors in the spread of epidemic hepatitis in a rural school district. J. Hyg. 50:457-470. Dec.1952. 449.8 J82
New York.

29873 JONES, C. W. The integration of research programs in pure and applied science with graduate education. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:238-239. 1951. 4 As7

29874 KAUFFMAN, H. H. Medallions on barns; there are a lot of stories about the designs on Pennsylvania barns. Here are the facts. Pa. Farmer 148:18-22. Jan. 10,1953. 6 P383
History of the medallions on barns.

29875 KELLY, F. J. Land-grant colleges & universities; a Federal-State partnership. U. S. Off. Educ. B. 21,27 p. 1952. 156.3 B87

29876 KEYFITZ, N. Urban influence on farm family size. Chicago,1952. 148 p. 281.2 K52
Thesis - University of Chicago.

29877 KLUGE, M. Ländliche hauswirtschaftslehre—ein offenes wort an alle, die es angeht. Reich der Landfrau 44:349-350. Oct.30,1952. 18 L2347
Germany.

29878 KRILL, W. R. The effect of deferment on students. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65: 194-195. 1951. 4 As7

29879 LANTBRUKSAKADEMIEN. MUSEIKOMMITTÉ. A central Swedish agricultural museum. (In Swedish.) Lantbrakad. Tidskr. 91:268-276. 1952. 104 Sw3
English summary.

29880 LARSON, N. M. Presenting a family life program to large groups. Ext. Serv. Rev. 23:214,226. Dec.1952. 1 Ex892Ex

29881 LEWIS, C. C. Rural studies in Worcestershire schools. Worcestershire Agr. Chron. 20:271,273, 275. Sept./Nov.1952. 10 W892

29882 LIMA. ESCUELA NACIONAL DE AGRICULTURA. La Escuela Nacional de Agricultura en sus bodas de oro, 1902-1952. La Molina,Lima,1952. 258 p. 102.5 L623E

29883 LINDE, M. Das dorf liest. Übersicht 3(10): 11-15. Oct.1952. 18 Ub3
Germany.

29884 LORD, G. E. Scope and functions of the Extension Service. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:165-166. 1951. 4 As7

29885 LYLE, M. S. Educational needs of less privileged homemakers in a rural county in Iowa. Iowa. Agr. Expt. Sta. Res. B. 392,55 p. Oct.1952. 100 Io9

29886 MABUTAS, A. Report of activities in the United States as United Nations fellow in public administration. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(6/7):4-17. June/July 1952. 25 P544P
Includes administration in the field of agriculture.

29887 MCKEE, M. A. LYON, R. O., and REGNIER, E. H. The party-a-month project first-year handbook, a 4-H Club project. III. Agr. Col. Ext. 4-H 61,41 p. Aug. 1,1952. 275.29 IL62Fh
Also similar handbooks for the second, third, fourth, and fifth years.

29888 MCLEOD, J. H. A state extension program—how do you arrive at it? (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:169-170. 1951. 4 As7

29889 MAIER-BODE, F. W. Die landfrau als betriebsfaktor. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2072-2073. Dec.20,1952. 18 L2346

29890 MAINE. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Annual report for the year ending June 30, 1951. Maine. Agr. Col. Ext. B. 416,43 p. Oct.1951. 275.29 M281RT

29891 MANSINGH, B. A note on the extension set-up at the district level. United Prov. Co-op. J. 28:465-467. July 1952. 280.28 Un3

29892 MARESCALCHI, A. It is necessary to think of the peasants; what the radio can do for agricultural information. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(107):3. Dec.27,1952. 281.8 Ag3

29893 MARIS, A., and RIJNEVELD, R. L'enseignement agricole aux-Pays-Bas. (In Dutch.) Econ.-Statis. Ber. 37:927-930,950-953. Dec.3-10,1952. 280.8 Ec722
French summary, p. 943.

29894 MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. 1951 extension work in Maryland; thirty-seventh annual report. College Park,1952? 29 p. 275.29 M36

29895 MIGHTON, C. E. Training the canners' fieldman. Food Canada 13:15-16,18. Jan.1953. 389.8 F7323

29896 MONTBRON, H. DE. La formation des jeunes à la campagne. École Supér. d'Agr. et de Viticult. B. Mens. 30:211-212. Nov.1952. 275.9 An4

29897 MONTERREY, MEXICO. INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES. DEPT. DE AGRONOMIA. Cursos prácticos de agricultura. Monterrey,N. L.,1952. 4 p. 102 M76

29898 MOSHER, A. T. Three-year extension project at Allahabad, India. Rur. Missions 84:1,6. Autumn 1952. 281.28 Ag8

29899 MÖSTL, R. Fachprogramm des jugendwerkes. Bauer 5(37):14-15. Oct.25,1952. 19 B32
Austria.

29900 MOUNT, J. T. What education and on-the-farm training do tomorrow's farmers need? Summary of youth symposium. Amer. Coop. 24:733-734. 1952. 280.29 Am3A

29901 MURAV'EV, A. S. Collaboration of science and collective farm practice. Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 7:85-86. July 1952. 20 D742
In Russian.
Educational programs for collective farmers.

29902 NANAVATI, M. B. Agencies of rural reconstruction. Indian J. Agr. Econ. 7(2):17-49. Aug.1952. 281.8 In2
On village administration and the cooperative movement.

29903 NELSON, L. Education and the changing size of Mormon families. Rur. Sociol. 17:335-342. Dec. 1952. 281.28 R88

29904 NESMAN, H. E. What education and on-farm training do tomorrow's farmers need? Summary of youth symposium. Amer. Coop. 24:732-733. 280.29 Am3A

29905 NETTLETON, A. Caring for the country church. Estate Mag. 52:499-500. Dec.1952. 10 Es8

29906 NEW YORK (STATE) LEGISLATURE. JOINT COMMITTEE ON PROBLEMS OF THE AGING. Age is no barrier. New York,1952. 171 p. (Its Legislative Document (1952) 35) 280.12 N484
Contains a paper: Old age in a rural township, by R. L. Warren, p.155-166.

29907 NORWAY. LANDBRUKSDEPARTEMENTET. Melding om jordbruksskulane for 1947/48 [Report on the agricultural schools for 1947/48]. Oslo,1952. 57 p. (Its: Melding om de Offentlige Tiltak til Opphjelp av Landbruket. Tillegg L.) 11 C46L

29908 NORWAY. LANDBRUKSDEPARTEMENTET. Statens smabrukslaerarskule. Melding om triogtrettiande skuleåret 1947 [The State School for Instructors in Small-scale Farming. Report on the thirty third school year 1947]. Oslo,1952. 68 p. (Its: Melding om de Offentlige Tiltak til Opphjelp av Landbruket. Tillegg K.) 11 C46K

29909 OSGOOD, T. H. Function of the graduate school in matters pertaining to professional education and degrees. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:232-233. 1951. 4 As7

29910 PAGUIRIGAN, D. B. The [Philippine] Bureau of Agricultural Extension. Agr. & Indus. Life 14(10):12. Oct.1952. 25 Ag8

29911 PALMER, F. A. Rural radio welcomes television! Mkt. Amer. 15:26,177. 1951? 280.328 M34

29912 PARAMORE, L. R. Extension workshop on farmer cooperatives; review of program and workshop procedure. Amer. Coop. 24:751-752. 1952. 280.29 Am3A

29913 PAVLOVA, V. F., and IL'INA, A. I. A center of agricultural culture [on Kalinin Collective Farm in Kanev District, Krasnodar Territory]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8: 80-84. Aug.1952. 20 D742
For research and education of workers.

29914 PHILLIPS, R. Extension programs and responsibilities for education on the place and function of cooperatives in our economy: introductory statement. Amer. Coop. 24:756-757. 1952. 280.29 Am3A

29915 POE, W. D. The crusade for good health. Prog. Farmer, Carolinas-Va. Ed. 68:16,73. Jan.1953. 6 P945
Health progress in North Carolina.

29916 POOLE, R. F. The spirit of 1862—a re-examination. Assoc. Land-Grant Col. & U. Proc. 65: 35-38. 1951. 4 As7
On the Association.

29917 RANDOLPH, H. S. The Christian Church and human integration—one people. Christian Rur. Fellowship B. 175:1-7. Sept.1952. 281.29 C46

29918 READ, G. H. Civic-military rural education in Cuba: eleven eventful years (1936—1946). Ohio. State U. Abs. Doct. Diss. 63:317-324. 1952. 241.8 Oh3

29919 REGLAMENTO de la Gran Feria Nacional Agrícola, Pecuaria e Industrial de Manabí. Consorcio de Cent. Agr. de Manabí. Rev. 12(71):38-42. July/Sept. 1952. 9.5 M31

29920 ROEMER, M. L., and WILSON, E. A. Organized health services in a county of the United States. Washington,1952. 91 p. (U. S. Public Health Service Public Health Service Publication 197) 151.66 Or3
Monongalia County, West Virginia.

29921 RUBIN, A. Von der Alpschule Brienz zur Bergbauernschule Hondrich. Grüne 80:1325-1328. Dec.5,1952. 17 Sch9

29922 RUSSELL, J. S. Helping people to help themselves. Agr. Leaders' Digest 35(10):8-10. Nov./Dec. 1952. 275.28 Am3
Agricultural extension methods to implement the Point IV Program in the Far East and South Asia.

29923 SANDERS, H. C. Scope and functions of the Extension Service. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:166-167. 1951. 4 As7

29924 SANDERS, H. W. The relationship of research to the vocational agriculture department. (Abs.) Va. J. Sci. (n.s.)3:276. Sept.1952. 470 V81

29925 SANTO DOMINGO. CAMARA OFICIAL DE COMERCIO, AGRICULTURA E INDUSTRIA. Memoria de las labores realizadas durante el año 1951. Ciudad Trujillo,1952. 80 p. 287 Sa58

29926 SCHILDBERGER, K. Verjährungsfristen. Bauer 5(39):13-15. Nov.8,1952. 19 B32
Austria.

29927 SCHILLER, O. Fachbildung und persönlichkeit. Deut. Landwirt. Gesell. Mitt. 67:865-866. Nov.20, 1952. 18 N39

29928 SCHMITT, F. Nein! so geht es wirklich nicht! Bad. Landwirt. Wchnbl. 119:802-803. Nov.15,1952. 18 B142
Chambers of agriculture.

29929 SCHOPFLOCHER, R. Las industrias domésticas en el porvenir del campo argentino. Mundo Agr. 4(41):66-67. Oct 1952. 9 M92

29930 SHIRKY, S. B. Graduate programs in vocational agriculture. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:196. 1951. 4 As7

29931 SHIRKY, S. B. National survey of graduates of colleges of agriculture—1951. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:193-194. 1951. 4 As7

29932 SINGH, H. The problem of disseminating agricultural information. Indian Farming (n.s.)2(8):26-27. Nov.1952. 22 In283

29933 SINGH, M. Village self-government. India. Dir. Econ. & Statis. Agr. Situation India 7:392-395. Oct. 1952. 281.9 In23

29934 SKACHKOV, I. Achievements of science—for agricultural production. (In Russian.) Kolkhoz. Proizvodstvo 12(7):48-50. July 1952. 281.8 K83
Contributions of Dokuchaev Institute of Agriculture of the Central-Chernozem Area to education of collective farmers.

29935 SMEDGARD, G. Maintain the standard! Some reflections on the vocational education of farm youth. (In Swedish.) Lantmannen 35:936. Dec.15,1951. 11 L234
Sweden.

29936 SMURTHWAITE, G. H. What is in it—state extension program. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:170-171. 1951. 4 As7

29937 STALLONES, B. E. Good publications at minimum cost. Amer. Coop. 24:271. 1952. 280.29 Am3A

29938 STANTON, B. Kansas co-op meets youth training problem. News for Farmer Coop. 19(9):13-14. Dec.1952. 166.2 N47

29939 STEINGRUBER. Vollversammlung der O.-ö. Landwirtschaftskammer. Bauer 5(38):4-5. Nov.1,1952. 19 B32

29940 STORMS, D. A. Future Farmer exhibits—show windows of the vocational agriculture program. Agr. Educ. Mag. 25:168-169. Jan.1953. 275.8 Ag8

29941 STÜBINGER, O. Kein bauer und keine bäuerin ohne fahrschulausbildung. Ehemalige 42:1-2. Oct.18, 1952. 18 Eh22
Germany.

29942 SWANSON, G. I., and MALINSKI, J. F. Public relations is your business. Agr. Educ. Mag. 25:156. Jan.1953. 275.8 Ag8
Public relation in vocational agriculture.

29943 SWEIGERT, R. L. Objectives of graduate education and of professional education. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:233-234. 1951. 4 As7

29944 SWINK, R., KINSEY, L., and BROOKS, H. The job of the county agent. Ext. Serv. Rev. 23:200-201. Nov. 1952. 1 Ex892Ex
Three Colorado agents answer the question, "Why I like extension work".

29945 TASCH. Förderungsmassnahmen der westf.-lipp. landwirtschaft; ein blick in die arbeit der Landwirtschaftskammer im abgelaufenen jahr. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2075-2080. Dec.20, 1952. 18 L2346

29946 TEAGUE, O. E. The relationship of the Federal Government to the land-grant institutions. Assoc. Land-Grant Col. & U. Proc. 65:74-80. 1951. 4 As7

29947 TICKNER, M. Farm adoption. Farmers Wk. [London] 37(23):98-99. Dec.5,1952. 10 F2226
Adoption of a farm by a school for youth training in Great Britain.

29948 TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY. Annual report 1950—1951. Tokyo, 1952. 87 p. 107.6 T579

29949 TRYTTEN, M. H. Technological manpower under the impact of mobilization. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:219-221. 1951. 4 As7
Relation to the colleges.

29950 UHLIRS, J. Ein forstarbeiter als bürgermeister. Landarb.-Arch. 6:439-441. Dec.1951. 283.8 L23
Administration of a district in Austria.

29951 U. S. DEPT. OF LABOR. WAGE AND HOUR AND PUBLIC CONTRACTS DIV. A study of educational achievement of a group of children working in agriculture during school hours, October-December 1951. U. S. Dept. Labor. Child-Labor B. 202,3 p. 1952. 158.91 St9

29952 U. S. EXTENSION SERV. Making radio work for you; a handbook for extension agents. U. S. D. A. Agr. Handb. 42,24 p. Aug.1952. 1 Ag84Ah

29953 WALDVOGEL, K. Der klettgauer bauer. Schweiz. Landwirt. Monatsh. 10:361-363. 1952. 17 Sch93

29954 WARD, W. B. Reporting agriculture through newspapers, magazines, radio, television. Ithaca, N. Y., Comstock,1952. 362 p. 238 W21R

29955 WATSON, L. E. Nebraska vo-ag departments are helped by other agricultural agencies. Agr. Educ. Mag. 25:157. Jan.1953. 275.8 Ag8

29956 WEBSTER, R. L. The USDA film library and its use. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65: 304-305. 1951. 4 As7

29957 WIETING, C. M. A farmer looks at reading. Pub. Wk. 163:116-118,123. Jan.10,1953. 242 P962

29958 WILSON, M. L. Development and influence of extension service abroad. Washington,U. S. Ext. Serv., 1952. 10 p. 1.913 A2W69
Address before meeting of the National Home Demonstration Council, Raleigh, Oct. 29, 1952.

29959 WILSON, M. L. Forward planning in the cooperative extension service. Washington,U. S. Ext. Serv.,1952. 6 p. 1.913 A2W69
Address at the Extension Section with Home Economics Section, annual meeting of the Association of Land-Grant Colleges and Universities, Washinton, D. C., Nov. 10, 1952.

29960 WILSON, M. L. A good idea shared. Ext. Serv. Rev. 23:215-216. Dec.1952. 1 Ex892Ex
Development of extension work in India and others lands.

29961 WILSON, M. L. Our leadership responsibilities. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65: 177-178. 1951. 4 As7
Extension work.

29962 WIRKL. Die neue haushaltungsschule in Weyregg a.A. Bauer 5(37):2-4. Oct.25,1952. 19 B32

29963 YOUNG, H. Needed a plan for young farmers. Organized Farmer 11(11):9. Nov.1952. 281.8 Or32
Canada.

29964 YOUNG. H. N. The research-extension team. (Abs.) Va. J. Sci. (n.s.)3:277. Sept.1952. 470 V81

29965 ZHIZHIN, S. M., and POROSHIN, B. N. Organization of work on raising the qualifications of specialists in agriculture in 1952. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 8:79-80. Aug.1952. 20 D742

29966 ZÖLLNER, D. Kinderbeihilfe in der landwirtschaft. Deut. Landwirt. Gesell. Mitt. 67:876-877. Nov. 20,1952. 18 N39

Leadership

29967 ALEXANDER, T. H. Young leaders trained. Ext. Serv. Rev. 23:211. Dec.1952. 1 Ex892Ex

29968 HILL, E. H. Agricultural leadership is your responsibility! Iowa Agr. 51(4):6,14-15. Dec.1952. 6 Io9

Rural Organizations and Movements

29969 ABRAHAMSEN, M. A. Significant trends in cooperative purchasing. Amer. Coop. 24:682-686. 1952. 280.29 Am3A
Farm supplies.

29970 ABRAHAMSEN, M. A. Supply co-ops prime farmers purchasing power. News Farmer Coop. 19(10): 12-14. Jan.1953. 166.2 N47

29971 AIYER, A. K. Y. N. Co-operation and Indian agriculture. Bangalore City, Bangalore Print. & Pub., 1951. 210 p. 280.2 Ai93

29972 ALSTON, C. Education with youth on cooperatives. Amer. Coop. 24:824-826. 1952. 280.29 Am3A

29973 ALSTON, C. Land-grant college activities. Amer. Coop. 24:27-28. 1952. 280.29 Am3A
In cooperation.

29974 AMERICAN INSTITUTE OF COOPERATION. American cooperation 1952; cooperatives building for tomorrow; a collection of papers and discussions summarizing the twenty-fourth session at Michigan State College of Agriculture and Applied Science, East Lansing, Michigan, August 10-14,1952. Washington,1952. 892 p. 280.29 Am3A

29975 ARMSTRONG, V. Cooperative education is a family affair; introductory statement. Amer. Coop. 24:204-205. 1952. 280.29 Am3A

29976 ARMSTRONG, V. Coordinating and integrating educational work on farmer cooperatives. Amer. Coop. 24:839-841. 1952. 280.29 Am3A

29977 BAKER, A. L. Pennsylvania 4-H Clubs. Pa. State Col. Agr. Ext. C. 410,20 p. Nov.1952. 275.29 P38C

29978 BAKER, C. Significant trends in cooperative purchasing. Amer. Coop. 24:671-672. 1952. 280.29 Am3A
Farm supplies.

29979 BARNES, W. S. Rights of members to a share in the assets of cooperative associations. Amer. Coop. 24:374-381. 1952. 280.29 Am3A

29980 BEALL, E. Education with youth on cooperatives. Amer. Coop. 24:833-835. 1952. 280.29 Am3A

29981 BECKER, C. H. Relationships of the regional in management of local cooperatives. Amer. Coop. 24: 140-143. 1952. 280.29 Am3A

29982 BENDER, R. Introductory remarks. Amer. Coop. 24:133-134. 1952. 280.29 Am3A
Management.

29983 BENDER, R. E. How can cooperative leaders help schools and colleges in teaching cooperative principles? Amer. Coop. 24:822-823. 1952. 280.29 Am3A

29984 BISSOT. L'Alliance Coopérative Internationale et la coopération agricole. Inst. Prov. de Coop. Agr. B. 11:26-30. Nov.1952. 280.29 L62

29985 BLAIR, G. B. Education activities of the Texas Federation of Cooperatives. Amer. Coop. 24: 239-241. 1952. 280.29 Am3A

29986 BLUCK, W. L. Educational activities of the Ohio Council of Farmer Cooperatives, Inc. Amer. Coop. 24:231-233. 1952. 280.29 Am3A

29987 BRADLEY, W. L. Cooperative accountants. Amer. Coop. 24:245-246. 1952. 280.29 Am3A

29988 BROWN, N. How you can help me as reporter-editor of a local newspaper. Amer. Coop. 24:556-558. 1952. 280.29 Am3A
Public relations.

29989 BROWNLEE, J. What our cooperative activity program has meant to us. Amer. Coop. 24:710-711. 1952. 280.29 AmeA
Future Farmers of America.

29990 BRUCE, L. R. Youth-adult relationships. Amer. Coop. 24:691-693. 1952. 280.29 Am3A

29991 CAKE, E. W. Coordinating and integrating educational work on farmer cooperatives. Amer. Coop. 24:852-854. 1952. 280.29 Am3A

29992 CALDWELL, H. B. Educational activities of the Farmers Cooperative Council of North Carolina. Amer. Coop. 24:236-238. 1952. 280.29 Am3A

29993 CALIFORNIA STATE GRANGE. Journal of proceedings eightieth annual session, 1952. Santa Barbara,1952. 235 p. 4 C123

29994 CARLSON, D. Part planning plays in management. News for Farmer Coop. 19(9):7. Dec.1952. 166.2 N47
Cooperative management.

29995 CARLSON, D. The president's report to the board of directors. Amer. Coop. 24:127-132. 1952. 280.29 Am3A
American Institute of Cooperation.

29996 CARLSON, D. Problems of management. Amer. Coop. 24:104-118. 1952. 280.29 Am3A

29997 CAUTERO, G. Agricultural cooperation in the province of Udine. (In Italian.) Cam. di Com. Indus. e Agr. di Udine. B. Uffic. (n.s.)6(9):15-21. Sept.1952. 287 Ud5

29998 CHAMBERS, C. A. California farm organizations; a historical study of the Grange, the Farm Bureau and the Associated Farmers, 1929-1941. Berkeley,U. Calif. Press,1952. 277 p. Ref. 4 C35

29999 CHILES, S. Cooperatives, seedbed of a world spirit. Amer. Coop. 24:720-722. 1952. 280.29 Am3A

30000 CLAUSEN, H. Activities of the Associated Danish Cooperative Societies. (In Danish.) (Excerpts.) Dansk Landbr. 71:591-592,605-607. (Cont.) Dec.4-11, 1952. 280.28 V91

30001 COLE, W. H. Farmers cooperative endeavor. Amer. Coop. 24:719-720. 1952. 280.29 Am3A

30002 COOPERATIVE AGRICOLE DEPT. DE LA SARTHE. Les organisations agricoles de la Sarthe. Paris,1952. 40 p. 280.29 Or3

30003 CORULLI, C. The FFA in a changing agriculture. Agr. Educ. Mag. 25:172. Jan.1953. 275.8 Ag8

30004 CORWIN, W. M. Taking action for the future. Amer. Coop. 24:541-549. 1952. 280.29 Am3A
Information.

30005 COUNTRY LANDOWNERS ASSOCIATION. Forty-fifth annual statement of accounts for the year ended 31st December, 1951. London,1952. 8 p.-folder. 282.9 C832

30006 COWDEN, H. A. Solving tomorrow's problems. Amer. Coop. 24:160-168. 1952. 280.29 Am3A
Farm cooperatives.

30007 COWDEN, T. K. Extension programs and responsibilities for education on the place and function of cooperatives in our economy. Amer. Coop. 24:760-763. 1952. 280.29 Am3A

30008 CULVER, R. L. Four principles for directors. Amer. Coop. 24:125-126. 1952. 280.29 Am3A

30009 DAVIS, J. H. The nature of the farmer cooperative. Amer. Coop. 24:338-341. 1952. 280.29 Am3A

30010 DOWNING, J. R. Our chapter works with local co-ops. Amer. Coop. 24:708-709. 1952. 280.29 Am3A
Future Farmers of America.

30011 DUIS, H. F. Teaching the chapter cooperative. Amer. Coop. 24:323-326. 1952. 280.29 Am3A

30012 DYKES, C. E. The effect of recent changes in laws and regulations on financing. Amer. Coop. 24: 291-296. 1952. 280.29 Am3A

30013 ELLIS, S. P. The women's program—Southern States Cooperative. Amer. Coop. 24:206-209. 1952. 280.29 Am3A

30014 ENLOW, R. E. How you can help me as a reporter for a city newspaper. Amer. Coop. 24:559-563. 1952. 280.29 Am3A
Public relations.

30015 EXTENSION SUBCOMMITTEE ON 4-H CLUB WORK. Summary, important discussions and action taken on 4-H Club work at the meetings of the Extension Subcommittee on 4-H Club Work of Committee on Extension Organization and Policy of the American Association of Land Grant Colleges and Universities. Washington, U. S. Ext. Serv.,1952. 21 p. 1.913 F3Im7

30016 FARM HANDS OF WASHINGTON. The Farm Hands of Washington, through thirty years; a short history, by J. C. Marquis and O. M. Kile. Washington, 1951. 28 p. 4 F223

30017 FARMERS UNION CENTRAL EXCHANGE. 1950 annual report. St.Paul,1951. 31 p. 280.29 F2292

30018 FLEDDERJOHN, H. C. The problem of co-op public relations; introductory statement. Amer. Coop. 24:144-145. 1952. 280.29 Am3A

30019 FRIESEN, J. K. Changes necessary to meet tomorrow's problems. Amer. Coop. 24:51-65. 1952. 280.29 Am3A

30020 FOX, G. S. How does CCA control inventory and credit? Amer. Coop. 24:667-670. 1952. 280.29 Am3A
Farm supply purchasing cooperatives.

30021 FRIETEMA, H. J. The task of cooperation in relation to raising the quality of products and the marketing of agricultural products. (In Dutch.) Co-operatie 14:114-117. Oct.1952. 280.29 N216M
Netherlands.

30022 FUNK, C. W. Public relations. Amer. Coop. 24:146-149. 1952. 280.29 Am3A

30023 GALBRAITH, J. K. Economist analyzes farm organization problems. Manitoba Co-op. 10(14):8. Nov. 6,1952. 280.28 M31

30024 GARDNER, K. B. Problems and methods of financing farmer service cooperatives. Amer. Coop. 24:806-808. 1952. 280.29 Am3A

30025 GARDNER, K. B. Qué significa administración? Rev. del Café 8(3):24,26. Oct.1952. 8 R3295
Cooperatives.

30026 GARDNER, K. B. Takes business sense to run co-ops. News Farmer Coop. 19(10):16. Jan.1953. 166.2 N47

30027 GAUSS, J. Extension programs and responsibilities for education on the place and function of cooperatives in our economy. Amer. Coop. 24:758-759. 1952. 280.29 Am3A

30028 GESSNER, A. L. Farmers demand more services from each co-op. News Farmer Coop. 19(10):20-22. Jan.1953. 166.2 N47

30029 GILE, B. M., and QUINN, O. B. A directory of farmers' cooperative business organizations in Louisiana, 1952. La. Agr. Expt. Sta. Mimeog. C. 143,10 p. Nov. 1952. 100 L935

30030 GIRBACH, D. Why cooperatives? Amer. Coop. 24:715-718. 1952. 280.29 Am3A

30031 GREENLEAF, G. G. The problem of membership turnover. Amer. Coop. 24:287-288. 1952. 280.29 Am3A

30032 HAAG, H. M. Significant trends in cooperative purchasing. Amer. Coop. 24:673-678. 1952. 280.29 Am3A
Farm supplies.

30033 HALL, D. M. What do I owe my fellow directors? News for Farmer Coop. 19(9):4,6. Dec.1952. 166.2 N47

30034 HAMILTON, H. G. Patronage refund practices of cooperatives. Amer. Coop. 24:308-316. 1952. 280.29 Am3A

30035 HANNAH, J. A. The problems we face. Amer. Coop. 24:6-17. 1952. 280.29 Am3A
Cooperative organizations in Michigan.

30036 HECKMAN, J. H. The effectiveness of various methods of reaching members. Amer. Coop. 24:550-555. 1952. 280.29 Am3A

30037 HECKMAN, J. H., and LEBEAU, O. R. Good members make good citizens. News Farmer Coop. 19(10): 4,14. Jan.1953. 166.2 N47

30038 HEDGES, H. Cooperatives as part of the capitalistic economy. Amer. Coop. 24:753-755. 1952. 280.29 Am3A

30039 HEDGES, H. The plus value in co-ops. News Farmer Coop. 19(10):3. Jan.1953. 166.2 N47

30040 HEDGES, H. Report of AIC Research and Education Committee. Amer. Coop. 24:872-873. 1952. 280.29 Am3A

30041 HINSHAW, K. Outside advertising in your publication? —no. Amer. Coop. 24:274-276. 1952. 280.29 Am3A

30042 HIRSCH, G. P. Young Farmers' Clubs: report on a survey in England and Wales of their history, organisation and activities, with recommendations for their future development. London,Natl. Fed. Young Farmers' Clubs,1952. 241 p. 275.24 H61

30043 HOWLAND, A. Financing purchasing cooperatives. Amer. Coop. 24:790-805. 1952. 280.29 Am3A

30044 HUTCHINSON, K. T. Co-ops and the agricultural challenge. Amer. Coop. 24:18-26. 1952. 280.29 Am3A

30045 INTERNATIONAL FEDERATION OF AGRICULTURAL PRODUCERS. IFAP handbook. Washington, 1952. 32 p. 28 In822Ih

30046 JONES, R. B. What kind of an annual public audit? Amer. Coop. 24:259-264. 1952. 280.29 Am3A

30047 JUDY, G. A. Cooperative education is a family affair. Amer. Coop. 24:216-220. 1952. 280.29 Am3A

30048 KENYA FARMERS' ASSOCIATION (CO-OPERATIVE). Thirtieth directors' report and statement of accounts 31st July, 1952. Nakuru,1952. 24 p. 280.29 K42

30049 KERR, F. L. The problem of membership turnover. Amer. Coop. 24:280-283. 1952. 280.29 Am3A

30050 KLINEFELTER, H. E. Missouri farmers move ahead with new MFA expansion plan. Mo. Farmer 44(12): 6-7. Dec.1952. 6 M696

30051 KNIGHTS, J. Young Farmers' Clubs develop in Fiji. Young Farmer 20:421-422. Nov./Dec.1952. 10 Y8

30052 KNIPFEL, H. M. Introductory statement. Amer. Coop. 24:119-121. 1952. 280.29 Am3A
Directors of cooperatives.

30053 KOLLER, E. F., MANNING, T. W., and JESNESS, O. B. Statistics of farmers' cooperatives in Minnesota, 1950. Minn. Agr. Expt. Sta. B. 412,108 p. June 1952. 100 M66

30054 KORZAN, G. E. How my farm organization helps me become a better farmer; summary of youth symposium. Amer. Coop. 24:727-728. 1952. 280.29 Am3A

30055 LAMPEN, A. The problem of membership turnover. Amer. Coop. 24:284-286. 1952. 280.29 Am3A

30056 LANGENHEIM. Die aufgaben der landwirtschaftlichen genossenschaften in unserer zeit. In Deutscher Raiffeisentag. Verhandlungsbericht, p.109-126. Bonn,1952. 284.29 D485

30057 LEON, G. A. Dos aniversarios en la historia del movimiento agrario nacional. Mundo Agr. 4(41):54. Oct.1952. 9 M92
Argentina.

30058 LITTLE, W. T. How agricultural cooperatives are affected by the National Labor Relations Act. Amer. Coop. 24:365-373. 1952. 280.29 Am3A

30059 LOCKHART, V. E. Teaching cooperatives in social science. Amer. Coop. 24:327-329. 1952. 280.29 Am3A

30060 LUSTER-HAGGENEY, F. Die bedeutung der ländlichen genossenschaften. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:2070-2072. Dec.20,1952. 18 L2346

30061 MCCARTY, J. E. Effectiveness of cooperation among agricultural agencies demonstrated by the Hinds County, Mississippi, Coordinating Council. Agr. Educ. Mag. 25:163. Jan.1953. 275.8 Ag8

30062 MCCLARREN, H. What shall we do now? Amer. Coop. 24:736-738. 1952. 280.29 Am3A
Youth and cooperatives.

30063 MCCLARREN, H. Youth education activities. Amer. Coop. 24:30-32. 1952. 280.29 Am3A

30064 MARTE. Sind die landwirtschaftsämter überflüssig? Württemb. Wchnbl. f. Landwirt. 119:1079. Nov.29,1952. 18 W96

30065 MAY, P. E. Public relations techniques that work. Amer. Coop. 24:870-871. 1952. 280.29 Am3A

30066 MEATS, R. R. Coordinating and integrating educational work on farmer cooperatives. Amer. Coop. 24:858-860. 1952. 280.29 Am3A

30067 MILLS, F. B. Yardsticks of capital requirements. Amer. Coop. 24:247-252. 1952. 280.29 Am3A

30068 MISRA, S. Co-operation and coordination of rural welfare work. United Prov. Co-op. J. 28:454-459. July 1952. 280.28 Un3

30069 MOSELEY, C. E. What my Farm Bureau cooperative associations mean to me. Amer. Coop. 24: 335-337. 1952. 280.29 Am3A

30070 MYERS, G. M. How can cooperative leaders work with young farmer groups other than F.F.A., 4-H, and vocational agriculture? Amer. Coop. 24:820-821. 1952. 280.29 Am3A

30071 NAVARRO, J. El movimiento español cooperativo. Semana Vitivinicola 7(329):6,10. Oct.18,1952. 95.8 Se5

30072 NELSON, J. B. 4-H'ers preach and practice conservation. Conserv. Volunteer 15(89):10-14. Sept./Oct.1952. 279.8 C765

30073 NELSON, J. B. Minnesota, Mississippi 4-H Club exchange. Kraftsman, Prod. Ed. 10(4,i.e.5):14. Winter 1952. 44.8 K85

30074 NELSON, R. How my farm organization helps me become a better farmer; summary of youth symposium. Amer. Coop. 24:726-727. 1952. 280.29 Am3A

30075 NEU, F. R. Cooperatives: agriculture's best bet. Glenwood City,Wis.,Glenwood City Tribune,1952. 55 p. 280.2 N39

30076 NIGERIA. REGISTRAR OF CO-OPERATIVE SOCIETIES. Annual report for the year ended 31st March, 1951. London,1952. 30 p. 280.29 N56

30077 NORTH DAKOTA. DEPT. OF AGRICULTURE AND LABOR. DIV. OF COOPERATIVES. Eleventh annual statistical report for the past fiscal year, North Dakota cooperative statistics. N. Dak. Dept. Agr. & Labor. Div. Coop. B. 73,16 p. Nov.1952. 280.29 N813

30078 NORTH DAKOTA FARMERS UNION. Secretary's annual report. N. Dak. Union Farmer 18(15):3,6. Dec.22,1952. 280.28 N812

30079 NOURSE, E. G. Changes necessary to meet tomorrow's problems. Amer. Coop. 24:36-42. 1952. 280.29 Am3A

30080 OBERLACK, A. Der weg zum "genossenschaftsbauern." Deut. Landwirt.-Gesell. Mitt. 67:793, 807-808. Oct.30,1952. 18 N39

30081 PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Show and tell. Pa. State Col. Agr. Ext. C. 409,15 p. Nov.1952. 275.29 P38C
A guide to planning 4-H Club demonstrations.

30082 PETERSON, W. B. The lantern bearers. Amer. Coop. 24:66-71. 1952. 280.29 Am3A
Cooperative membership.

30083 PHILIPPINE REPUBLIC. BUR. OF AGRICULTURAL EXTENSION. 4-H Club work. Agr. & Indus. Life 14(10):16-17,50-51. Oct.1952. 25 Ag8

30084 PHILLIPS, R. Economic theory of cooperative operations at cost. Amer. Coop. 24:299-307. 1952. 280.29 Am3A

30085 PIKE, M. E. How we control inventory and credit. Amer. Coop. 24:661-664. 1952. 280.29 Am3A
Farm supply purchasing cooperatives.

30086 PIÑERO, J. Extension educational program on cooperatives in Puerto Rico. Amer. Coop. 24:842-851. 1952. 280.29 Am3A

30087 PROBASCO, K. N. The prudent use of long-term debt financing in a farm cooperative. Amer. Coop. 24:253-258. 1952. 280.29 Am3A

30088 QUICK, M. Cooperative education is a family affair. Amer. Coop. 24:210-215. 1952. 280.29 Am3A

30089 QUINCEY, J. The Trenton F.F.A. Chapter. Amer. Coop. 24:704-705. 1952. 280.29 Am3A

30090 RAINEY, B. A. How we control inventory and credit. Amer. Coop. 24:659-660. 1952. 280.29 Am3A
Farm supply purchasing cooperatives.

30091 REED, D. A., and JACKSON, H. M. Weeds that choke co-ops. Washcoegg 30(4):6,22. Sept.1952. 47.8 W27

30092 RESERVE BANK OF INDIA. AGRICULTURAL CREDIT DEPT. All-India training classes in co-operation. Bombay,1952. 48 p. 280.2 R31A

30093 ROBINSON, J. L. Schools and extension teach cooperation. News Farmer Coop. 19(10):11. Jan.1953. 166.2 N47

30094 RODHE, K. Föreningslagen; 1951 års lag om ekonomiska föreningar [The organization legislation; the law of 1951 on economic organizations]. Ed. 2. Stockholm,LTs Förlag,1952. 307 p. 280.2 R61

30095 RODINE, F. H. The Farm Bureau Federation in Nebraska 1920-50. Nebr. U. Abs. Doct. Diss. 13: 169-173. 1952. 241.8 N28

30096 ROMATIF, F. Aux dirigeants d'organisations rurales. Fiches Rur. 85:5-8. Nov.1952. 281.8 F44
France.

30097 ROYAL AGRICULTURAL SOCIETY OF NEW ZEALAND. The history of the Society, by L. J. Wild. New Plymouth,1951. 23 p. 23 R813H

30098 RUBLE, R. L. What does the co-op mean to you? Guide Post 31:3-4,6. Jan.1953. 75.8 G94

30099 SARAIYA, R. G. Place of co-operative organisations in the five-year plan. United Prov. Co-op. J. 28:427-436. July 1952. 280.28 Un3

30100 SCHAARS, M. A. Strengthening membership relations. Amer. Coop. 24:72-82. 1952. 280.29 Am3A

30101 SCHENCK, H. E. President's report: Farm Bureau progress told. Hoosier Farmer 38:4,6. Jan. 1953. 280.82 H76
Indiana Farm Bureau.

30102 SCHEUER, L. Haben die aufbaugenossenschaften noch daseinsberechtigung? Landwirt. Z. der Nord-Rheinprov. 119:1303. Nov.29,1952. 18 L2344

30103 SCHMIDT, G. Die entwicklung des genossenschaftlichen warengeschäfts. In Deutscher Raiffeisentag. Verhandlungsbericht, p.43-50. Bonn,1952. 284.29 D485
Farmer consumer cooperatives.

30104 SELBY, H. W. Solving problems as cooperatives build for tomorrow. Amer. Coop. 24:178-183. 1952. 280.29 Am3A

30105 SERFASS, H. E. Trabajo de los Clubes 4H en los Estados Unidos. V. Uruguay. Min. de Ganad. y Agr. B. Inform. 436:12. Oct.9,1952. 9.9 G15B

30106 SHIDAKER, W. Significant trends in cooperative purchasing. Amer. Coop. 24:679-681. 1952. 280.29 Am3A
Farm supplies.

30107 SIMMET, W. Noch einmal die berufsgenossenschaft. Landwirt. Z. der Nord-Rheinprov. 119:1304. Nov.29,1952. 18 L2344

30108 SLETTOM, E. Coordinating and integrating educational work on farmer cooperatives. Amer. Coop. 24:836-838. 1952. 280.29 Am3A

30109 SLOCUM, W. L. Activities and problems of Washington 4-H Clubs; a report on 1950-51 experience of 567 clubs. Wash. Agr. Expt. Sta. C. 208,18 p. Nov.1952. 100 W27S

30110 SMABY, A. J. How we control inventory and credit. Amer. Coop. 24:665-666. 1952. 280.29 Am3A
Farm supply purchasing cooperatives.

30111 SMITH, L. J. Directors' duties. Amer. Coop. 24:122-124. 1952. 280.29 Am3A

30112 SOCIEDAD NACIONAL AGRARIA. Memoria año social 1951-52. Vida Agr. [Lima] 29:949-956. (Cont.) Oct.1952. 9.8 V66
Peru.

30113 STASER, C. W. Serving the man upstairs. Amer. Coop 24:694-697. 1952. 280.29 Am3A
Youth and cooperatives.

30114 STEFFEN, E. F. The need for a legal obligation to make patronage distribution. Amer. Coop. 24: 345-349. 1952. 280.29 Am3A

30115 STRACHAN, B. B. The practical side of youth education on cooperatives. Amer. Coop. 24:830-832. 1952. 280.29 Am3A

30116 SVERIGES LANTBRUKSFORBUND. KORRESPONDENSSKOLA. Föreningsrörelsen inom jordbruket. Brev 1-10 [Cooperative movement in agriculture. Letter 1-10]. Kristianstad,1950-51. various pagings. 280.2 Sv22

30117 SWANTON, M. K. Educational activities of the Wisconsin Council of Agriculture Co-operative. Amer. Coop. 24:221-224. 1952. 280.29 Am3A

30118 SWANTON, M. K. Public relations techniques that work. Amer. Coop. 24:866-869. 1952. 280.29 Am3A

30119 TAYLOR, R. H., and MATHER, A. F. The Agricultural Council of California, its organizations, methods and work. Calif. Turkey News 24:55,57,78-80. Sept.1952. 47.38 C12

30120 TOWNSEND, D. D. How farmer cooperatives develop tomorrow's farmers; summary of youth symposium. Amer. Coop. 24:735. 1952. 280.29 Am3A

30121 TURNER, E. Response to welcome. Amer. Coop. 24:689-690. 1952. 280.29 Am3A
Youth cooperatives.

30122 TWOMBLY, B. Our chapter cooperative. Amer. Coop. 24:706-707. 1952. 280.29 Am3A
Future Farmers of America.

30123 UNITED CO-OPERATIVES OF ONTARIO. Annual report, 1951. Toronto?1952? 17 p. 280.29 Un32

30124 U. S. EXTENSION SERV. Program of Fifth Regional 4-H Club Camp, Tuskegee Institute, Tuskegee, Alabama, June 24-July 1, 1952. Washington?1952. 36 p. 1.913 F3R26

30125 USHER, C. L. The story of 4-H Club work in Alberta. Canad. Cattlemen 15(11):8-9,36. Nov.1952. 49 C16

30126 VERMONT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Demonstrations for 4-H Club members. Burlington,1952. 15 p. (NEC-22) 275.29 V59N

30127 WALLMARK, C. L. Selling cooperatives through service clubs. Amer. Coop. 24:150-159. 1952. 280.29 Am3A

30128 WATKINS, W. P. Co-operative principles in the world of to-day. Westralian Farmers' Co-op. Gaz. 23:191-192. Oct.1952. 280.28 W522

30129 WATKINS, W. P. Indian co-operators in Congress. United Prov. Co-op. J. 28:481-489. July 1952. 280.28 Un3

30130 WATTS, P. A., and others. Youth cooperates for a better rural america. Amer. Coop. 24:187-195. 1952. 280.29 Am3A
S. Dreyer, G. L. Haviland, P. Maguire, and W. E. Schmidt, joint authors.
Panel discussion; W. E. Schmidt, chairman.

30131 WIETING, C. M. Outside advertising in your publication?—yes. Amer. Coop. 24:272-273. 1952. 280.29 Am3A

30132 WIETING, C. M. Using publications to teach about cooperatives. Amer. Coop. 24:330-332. 1952. 280.29 Am3A

30133 WHITMORE, A. H. How can cooperative leaders intensify their work with F.F.A., 4-H and vocational agriculture? Amer. Coop. 24:811-819. 1952. 280.29 Am3A

30134 WILCOX, R. W. Youth education as a council activity. Amer. Coop. 24:234-235. 1952. 280.29 Am3A
Ohio Council of Farmer Cooperatives.

30135 WILSON, G. The place of farmer cooperatives in our national economy. Amer. Coop. 24:723-725. 1952. 280.29 Am3A

30136 WILSON, M. Our chapter works with other farm, school and community groups. Amer. Coop. 24: 709-710. 1952. 280.29 Am3A
Future Farmers of America.

30137 WOOD, G. B. Changes necessary to meet tomorrow's problems. Amer. Coop. 24:43-50. 1952. 280.29 Am3A

30138 WOODIN, R. J. Education with youth on cooperatives. Amer. Coop. 24:827-829. 1952. 280.29 Am3A

30139 YAEGER, J. F. Managers must manage. Amer. Coop. 24:135-139. 1952. 280.29 Am3A

30140 YOUNG, E. J. Educational activities of state councils of farmer cooperatives. Amer. Coop. 24: 225-230. 1952. 280.29 Am3A

30141 YOUNG, E. J. How to reach members and patrons with more cooperative information. Amer. Coop. 24:861-865. 1952. 280.29 Am3A

30142 ZAMBRANO, M. A., and VENEGAS CASAVILCA, C. A. El cooperativismo y el problema indígena; ensayos sobre el Eucador y Perú. Washington,Sección de Cooperativas, División de Asuntos Sociales y de Trabajo, Departamento de Asuntos Económicos y Sociales, Union Panamericana,1951. 37 p. 150.91 C784
Two papers.

30143 ZATTA, P. L. Cooperative technical-economic problem of the hill and Piedmont areas. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 7(20):9-11. Oct.16,1952. 287 V662

RURAL SOCIAL PSYCHOLOGY

30144 CRAM, J. S. What makes a group good? Macdonald Col. J. 11(9):6,8-10,12. May 1951. 101 M144
Discussion groups in Canada.

30145 GIST, N. P. Ecological decentralization and rural-urban relationships. Rur. Sociol. 17:328-335. Dec.1952. 281.28 R88

30146 GRIMSLEY, C. J. Attitudes are important. N. C. Agr. Col. Ext. Misc. Pam. 137,11 p. July 1952. 275.29 N811M

30147 GROSS, N., and TAVES, M. J. Characteristics associated with acceptance of recommended farm practices. Rur. Sociol. 17:321-327. Dec.1952. 281.28 R88

30148 HAER, J. L. Conservatism-radicalism and the rural-urban continuum. Rur. Sociol. 17:343-347. Dec.1952. 281.28 R88

30149 LILLYWHITE, J. D. Rural-urban differentials in divorce. Rur. Sociol. 17:348-355. Dec.1952. 281.28 R88

30150 MARTIN, W. T. A consideration of differences in the extent and location of the formal associational activities of rural-urban fringe residents. Amer. Sociol. Rev. 17:687-694. Dec.1952. 280.8 Am37
Social participation.

30151 MOE, E. O. New York farmers' opinions on agricultural programs. N. Y. Agr. Col. Cornell Ext. B. 864,62 p. Nov.1952. 275.29 N48E

30152 PEDERSEN, H. A. Attitudes relating to mechanization and farm labor changes in the Yazoo-Mississippi Delta. Land Econ. 28:353-361. Nov.1952. 282.9 J82

TRADE, FOREIGN AND INTERNATIONAL

30153 ALCARAZ LUNA, M. Trescientos millones de pesetas en divisas proporciona anualmente la exportación de tomate canario. Rev. Sind. de Estadís. 7 (27):8-15. Third Q.1952. 263 Es8B

30154 AMERICAN SUGAR CANE LEAGUE OF THE U. S. A. League presents its case against free trade. Sugar B. 31:115,120-123. Jan.1,1953. 65.8 Am32

30155 BACON, L. Europe's east-west trade in food, 1950 and 1951. Foreign Agr. 16:216-219. Dec.1952. 1.9 Ec7For

30156 BIRD, K. M. Summary of legal restrictions affecting trade in Hawaiian agricultural products. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 12,6 p. Sept.1952. 275.29 H312Ac

30157 CANADA. BUR. OF STATISTICS. Trade of Canada year ended December 31, 1951. Volume I—summary and analytical tables. Ottawa,1952. 315 p. 253 C332A

30158 CANADA. BUR. OF STATISTICS. Trade of Canada, year ended December 31, 1951. Volume II. Exports. Ottawa,1952. 501 p. 253 C332A

30159 CHAMBER OF COMMERCE OF THE UNITED STATES. FOREIGN COMMERCE DEPT. The interdependence of the Latin American and U. S. economies. Washington,1951. 28 p. 287 C352I
Trade in agricultural products included.

30160 COSENTINO, S. Development of trade with Germany; care for publicity of horticultural products. (In Italian.) Cam. di Com. Indus. e Agr. Bari. B. (n.s.) 36(11):1-2. Nov.1952. 287 B232

30161 DENMARK. STATISTISKE DEPT. Danmarks vareindførsel og -udførsel i aret 1951. Foreign trade of Denmark 1951. København,1952. 264 p. 257.1 St2T
Table of contents and some tables also in English.
Includes farm products.

30162 DITGES, H. Südfrüchte aus Spanien liberalisiert. Früchte u. Gemüse Markt 4:1602-1603. Oct.31, 1952. 286.83 F9425
Trade with Germany.

30163 DJOMPARIN, A. Das europäische ernährungsproblem im lichte der jugoslawisch-deutschen wirtschaftsbeziehungen. Obst u. Gemüse 4:1024-1025. Oct.16,1952. 286.83 Ob72

30164 DRIVER, P. N. State trading and co-operation. Indian Co-op. Rev. 18:139-155. Apr./June 1952. 280.28 In2

30165 EGYPT. MINISTRY OF FINANCE AND NATIONAL ECONOMY. STATISTICAL ADMIN. Egypt trade statistics 1951. Cairo,1952. 32 p. 270 Eg9E

30166 FALKINER, O. M. Case for lifting of Merino export ban; necessary to combat synthetics is claim. Muster (n.s.)2(28):3. Oct.23,1952: 45.8 M97

30167 FISHER, D. M. Ireland steps up carcase meat exports. Meat Mktg. 25(11):18-20. Nov.1952. 389.8 Im72

30168 GT. BRIT. BOARD OF TRADE. COTTON IMPORT COMMITTEE. Report. London,H. M. Stationery Off.,1952. 21 p. 281.3729 G79

30169 GYNN, G. Setting free the cheese trade. Farmer & Stock-Breeder 68(3292):52-53. Nov.25/26, 1952. 10 F228
In Great Britain.

30170 HACCOÛ, J. F. Structural changes in trade and marketing conditions, particularly with respect to staple products. Amsterdamsche Bank Q. Rev. 97:1-11. Second Q.1952. 280.9 Am7

30171 HAGE, I. P. Export survey, season 1951/1952. (In Dutch.) Zaadbelangen 6:231-234. Nov.15,1952. 61.8 Z1
Seeds in the Netherlands.

30172 HAGGERTY, J. J. The Minnesota farmers' stake in foreign agricultural relations. Washington,U. S. Off. Foreign Relat.,1952. 12 p. 1.943 H12
Summary of remarks before the Minnesota State Farmers' Union Convention, St. Paul, Nov. 10, 1952.
Foreign trade programs.

30173 HAGGERTY, J. J. The outlook for U. S. agricultural exports. Washington,U. S. Off. Foreign Agr. Relat.,1952. 7 p. 1.90 C2Ou8
Presented at the Annual Agricultural Outlook Conference, Washington, D. C. Oct. 20, 1952.

30174 HANNAH, R. T. Japanese wool textile industry; dependence on imports from Australia. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 5:142-144. Oct. 1952. 281.9 Au73

30175 HERBETTE, F. Some consequences of the changing pattern of natural rubber trade. Rev. Gén. du Caoutchouc 29:818. Nov.1952. 305.8 R32

30176 HIBMA, G. H. International cheese agreement. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:638. Oct.15,1952. 44.9 AL3

30177 HILLHOUSE, W. F., and others. Markets. Foreign Trade 12(292):6-20. Aug.2,1952. 286.8 C162
Various countries as markets for Canadian & seed potatoes.

30178 HÖLSCHER. Grundsätze der internationalen margarinegesetzgebung. L und E 5(8):13. Aug.1952. 389.8 Z34

30179 INDIA. DEPT. OF COMMERCIAL INTELLIGENCE AND STATISTICS. Raw cotton trade statistics (rail and river-borne) for the twelve months, ending August, 1951. Delhi,1952. 75 p. 269.5 C732
Foreign trade.

30180 JACOBSEN, A. P. Farm production and marketing possibilities. (In Danish.) Jydsk Landbr. 34: 787-792. (Concl.) Nov.13,1952. 11 J99
Chiefly trade.

30181 JEVREMOVIĆ, M. For a correct understanding of stimulation. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):inside back cover. Sept.1952. 21.5 V87
On the State plan for export of agricultural products.

30182 JOHNSON, D. G. U.S. foreign economic assistance and the demand for American farm products. J. Farm Econ. 34:662-672. Dec.1952. 280.8 J822
Includes discussion by D. Kaldor.

30183 KEMMERS, W. H. Production and marketing of lettuce. (In Dutch.) Groenten en Fruit 8:249-250. Oct.16, 1952. 80 G89
Chiefly export.

30184 KLAMER, P. H. W. Exportkontrolle des U.C.B. [Uitvoer-Controle-Bureau]. Früchte u. Gemüse Markt 4(42,sup.):31-35. Oct.17,1952. 286.83 F9425
Regulation of trade in horticultural products in the Netherlands.

30185 KLAMER, P. H. W. Our export in 1952. (In Dutch.) Groenten en Fruit 8:418. Dec.18,1952. 80 G89
Apples, pears and tomatoes in the Netherlands.

30186 KLIČKOVIĆ, S. Jugoslawische dörrpflaumen wieder auf dem weltmarkt. Obst u. Gemüse 4:1028. Oct.16,1952. 286.83 Ob72

30187 KOCH, E. Importhandel als schrittmacher. Obst u. Gemüse 4:1086-1087. Oct.30,1952. 286.83 Ob72
Germany.

30188 MACDONALD, S. G. The trade in cotton textiles. Foreign Trade 13(315):8-10. Jan.10,1953. 286.8 C162
Italy.

30189 MARSHALL, W. 'It's time to take a breath'; the development of markets for large additional quantities of milk powder will take some time. (Sum.) New Zeal. Dairy Exporter 28(5):4-6. Nov.1952. 44.8 N484
Trade.

30190 MAURITIUS. CUSTOMS DEPT. Annual report for the year 1951. Port Louis,1952. 42 p. 286.9 M44
Trade statistics.

30191 NARBONA, M. Consecuencias de la importación de mantequilla argentina. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.294-300. Temuco,1952. 27 C7655

30192 NICARAGUA. RECAUDACIÓN GENERAL DE ADUANAS. Memoria por 1951. Managua,1952. 255 p. 254 N512

30193 NIELSEN, P. Sale of agricultural products through the export associations. (In Danish.) Andelsbladet 53:1335-1337. Dec.18,1952. 280.28 An2
Denmark.

30194 NISHIMOTO, Y. The establishment of "Japan Raw Silk Exporters' Association" and its significance. Silk Digest 74:1-2. Nov.1952. 304.8 Si33

30195 NORWAY. STATISTISK SENTRALBYRÅ. Norges handel, 1950. Statistique du commerce de la Norvège pendant l'année 1950. Oslo,1952. 461 p. 257.2 St2T
Table of contents also in French.
Includes farm products.

30196 OFF. ALGÉRIEN D'ACTION ÉCONOMIQUE ET TOURISTIQUE (OFALAC). Algérie; statistiques des exportations des produits controles, campagne 1951-52. Alger,1952. 80 p. 270 AL38

30197 ORGANISATION FOR EUROPEAN ECONOMIC COOPERATION. Bulletins statistiques de l'OECE commerce exterieur; Foreign trade OEEC statistical bulletins; Ser. I. Commerce exterieur par zones géographiques; Foreign trade by areas, yearbook, 1937-1951. Paris,1952. 157 p. 286.9 Or32By

30198 ORMOND, J. D. Sheep-farming section—opening address. Ruakura Farmers' Conf. Week. Proc. 1951: 125-129. 49.9 R82
Includes discussion.
Meat, chiefly beef, for export, in New Zealand.

30199 OSAKA. INSTITUTE FOR ECONOMIC RESEARCH. Causes of decline in the world's cotton textile trade. Osaka,1952. 48 p. 304 Os13

30200 PERU. SUPERINTENDÊNCIA GENERAL DE ADUANAS. Anuario del comercio exterior de la República Peruana correspondiente a 1949. Lima,n.d. 670 p. 255.8 Ad9E

30201 PRILL, H. Der tabak-aussenhandel Westdeutschlands. Süddeut. Tabakztg. 62(48):25. Nov.28, 1952. 286.89 Su2

30202 RYCROFT, G. Wool cloth exports. Bradford Textile Soc. J. 1951/52:54-56. 304.9 B72
Includes discussion.

30203 SALA ROCA, E. Influencia de las importaciones de huevos en la economía avícola. Avicult. Téc. 5:46-47. Aug.1952. 47.8 Av57
Spain.

30204 SERPIERI, A. A propos of the "green pool." (In Italian.) Mondo Agr. 3(42):1,5. Oct.19,1952. 16 M74

30205 SINHA, M. K. Indian teas abroad. Tea Trade & Indus. 1:409,411-414. Aug.1952. 68.18 T225

30206 SOLOFRANO, E. The Canadian market and possibilites for Italian wool. (In Italian.) Laniera 66: 573,575,577,579,581,583,585-589,591,593,595,597,599-602. July 1952. 45.8 B63

30207 SOUZA, A. O. DE. Rice, coffe, and exchange. (In Portuguese.) Lav. Arroz. 6(69):9-15. Sept.1952. 59.8 L39
Brazil.

30208 STEIN, E. Saatgut im export der USA. Saatgut-Wirt. 4:234-236. Oct.1952. 61.8 Sa1

30209 U. S. BUR. OF ANIMAL INDUSTRY. Importation of game, trophies, etc. from Canada. Washington? 1952. 2 p. 1.972 A2Im72
Importation of animal byproducts restricted.

30210 U. S. OFF. OF INTERNATIONAL TRADE. Foreign commerce yearbook, 1950. Washington, 1952. 723 p. 157.54 Y3F

30211 VILA PLA, J. A. Es auspicioso el nuevo convenio italo-argentino. Pampa Argentina 25(298):6-7. Oct.1952. 9 P19

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

30212 BARRETO, L. N. El plan federal de comedores escolares en los Estados Unidos. Asoc. Argentina de Dietologia. Rev. 10(37):59-67. Jan./Mar.1952. 389.9 As5

30213 BAYER, L. M., and GREEN, E. Kitchen strategy: the family angle on nutrition. Springfield, Thomas, 1952. 94 p. 389.1 B343

30214 BLACK, D. A. K. Salt and hypertension. Brit. J. Nutr. 6:428-432. 1952. 389.8 B773

30215 BLANCHARD, E. How shall I teach nutrition? Ext. Serv. Rev. 23:198,203. Nov.1952. 1 Ex892Ex

30216 BOUTELL, Z. The home freezer book for better living. New York, Viking Press, 1952. 405 p. 389.25 B662
Recipes.

30217 BOVEE, D. L. District of Columbia Dietetic Association tackles civil defense. Amer. Dietet. Assoc. J. 29:45-46. Jan.1953. 389.8 Am34

30218 BREZINA, E. Die ernährung in werksküchen; ergebnis einer umfrage bei massgebenden industriebetrieben. L und E 5(7):4-6. July 1952. 389.8 Z34
Austria

30219 BREZINA, E. Ernährung und volksgesundheit; aktuelle fragen im heutigen Österreich. L und E 5(5):5-8. May 1952. 389.8 Z34

30220 BURGESS, R. C. Nutrition and health. Voeding 13:424-432. Oct.15,1952. 389.8 V85

30221 CANNON, P. R. Some features of tissue changes induced by nutritional deficiencies. Nutr. Symposium Ser. 4:119-136. July 1952. 389.8 N9594
Includes discussion.

30222 CLIPSHAM, L. Nutrition in Bermuda. Canad. Nutr. Notes 8:49-51. July 1952. 389.9 C168

30223 CONDLIFFE, J. B. Some international economic aspects of nutrition. Nutr. Symposium Ser. 4: 137-163. Ref. July 1952. 389.8 N9594
Includes discussion.

30224 DEVADAS, R. P. A critical evaluation of the poor rice diet of south India. Ohio. State U. Abs. Doct. Diss. 63:37-41. 1952. 241.8 Oh3

30225 DODD, V. L. Healthful meals for the whole family. Hawaii. U. Agr. Ext. Home Econ. C. 257,6 p. Sept.1952. 275.29 H312H

30226 ESPEJO SOLA, J. Dietoterapia de la insuficiencia cardiaca congestiva. Asoc. Argentina de Dietologia. Rev. 9:184-191. Oct./Dec.1951. 389.9 As5

30227 FRAUENDORFER, S. Die dokumentation der ernährungsforschung; eine einführung in das ernährungswissenschaftliche schrifttum. L und E 5(5):17-19. May 1952. 389.8 Z34
A bibliography.

30228 FRAZER, A. C. Food and disease. Brit. Baker 125(23):55-56. Dec.5,1952. 389.8 B772

30229 FULTON, R. M. Diet in heart disease. Brit. J. Nutr. 6:435-437. 1952. 389.8 B773

30230 GERARD, R. W., ed. Food for life. Chicago, U. Chicago Press, 1952. 305 p. Ref. 389.1 G31
Nutrition.

30231 GONGORA Y LOPEA, J., and YOUNG LOPEZ, N. La alimentación humana en Colombia. 1. Agr. Trop. 8(10):33-38 (Cont.) Oct.1952. 26 Ag8

30232 GRAEFE, G. Die bedeutung der kohlenhydrate für die ernährung. Reich der Landfrau 45:363-364. Nov. 6,1952. 18 L2347

30233 GRAEFE, G. Die grundlagen der ernährungslehre. Reich der Landfrau 42:335-336. Oct.16,1952. 18 L2347

30234 GROHS, H. Aktuelle konsumentenwünsche. L und E 5(5):8-9. May 1952. 389.8 Z34
Human nutrition in Austria.

30235 GUAITA, H. Tratamiento dietoterapico de las afecciones hepaticas. Asoc. Argentina de Dietologia. Rev. 10(37):10-34. Ref. Jan./Mar.1952. 389.9 As5

30236 HABERLY, M. Weight right—feel good. Idaho. Agr. Col. Ext. C. 127,4 p.-folder. Dec.1952. 275.29 Id13C
A diet for keeping down weight.

30237 HALDEN, W. Der ergänzungswert der eiweissarten; neueste forschungsergebnisse über pflanzliches und tierisches eiweiss. L und E 5(5):15-16. May 1952. 389.8 Z34

30238 HARRIS, E., and ECKBLAD, I. We like to eat. Wash. State Col. Ext. C. 210,8 p.-folder. Oct.1952. 275.29 W27C
Child feeding.

30239 HARTOG, C. DEN. Nutrition in the Netherlands. Canad. Nutr. Notes 8:57-58. Aug.1952. 389.9 C168

30240 HARTWICH, A. Eiweiss, fett und kohlehydrate; das wissen um die ernährung muss in die familie getragen werden—was der arzt zu sagen hat. L und E 5(10):8. Oct.1952. 389.8 Z34

30241 HEATH, A. Pig curing and cooking, with very many recipes of all kinds. London, Faber and Faber, 1952. 195 p. 389.25 H352P
Chiefly recipes.

30242 INTERNATIONAL CONGRESS OF DIETETICS, AMSTERDAM, 1952. [Proceedings]. Voeding 13:415-496. Oct.15,1952. 389.8 V85

30243 ITIKI, K., and others. On the absorption rate of polished rice. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:88-90. 1952. 389.9 J27
M. Nakamura, N. Kimura, S. Yuya, T. Tanaka, H. Sakada, T. Nakasima, and I. Onisi, joint authors.

30244 JOHNS HOPKINS HOSPITAL. DIETARY DEPT. Manual of applied nutrition. Ed. 3. Baltimore, Johns Hopkins Press, 1952. 96 p. 389.1 J622

30245 JOHNSON, M. L. Start nutrition teaching early. Amer. Assoc. Health, Phys. Educ. & Recreation J 23(10):8-9. Dec.1952. 449.8 J822

30246 KARK, R. M. Nutritional aspects of liver disease in man. Nutr. Symposium Ser. 4:32-61. Ref. July 1952. 389.8 N9594
Includes discussion.

30247 KÖNEMANN, E. Der verfall der nahrungs- und lebensordnung und ihre wiedergesundung. Bionomica 3:79-80. Oct.1952. 463.8 B52
Germany.

30248 LEAMY, C. M. The nutrition of mothers and children. J. Home Econ. 45:25-28. Ref. Jan.1953. 321.8 J82

30249 LIGHTBODY, H. D. Cold weather feeding—a review. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4:169-180. Third Q.1952. 389.9 As74A
Military rations.

30250 LOPEZ GIL, A. L., and ESQUEF, L. O. P. DE. El método de los acertijos en la educación alimentaria infantil. Asóc. Argentina de Dietologia. Rev. 9:179-183. Oct./Dec.1951. 389.9 As5

30251 LOUGHEAD, M. E. Montana grasslands, route to better living. Mont. State Col. Ext. Folder 17,6 p. Jan.1952. 275.29 M76Fol
Protein foods.

30252 LUYKEN, R. Kwashiorkor, a deficiency disease in tropical areas. (In Dutch.) Voeding 13:384-391. Ref. Oct.15,1952. 389.8 V85

30253 MAGEE, H. E. Food as a health factor. Med. Off. 88:291-294. Dec.27,1952. 448.8 M462

30254 MARINA TORRES, R. Consideraciones acerca de los problemas de nutrición en un programa de producción de alimentos. Rev. de Agr. P. R. 43:252-258. Jan./June 1952. 8 R325

30255 MILLER, E. Fall and winter menus. Utah. State Agr. Col. Ext. Fact Sheet 19,4 p. n.d. 275.29 Ut1F

30256 MILLER, E. Food plans to meet your protein needs. Utah. State Agr. Col. Ext. Fact Sheet 18,4 p. n.d. 275.29 Ut1F

30257 MITCHELL, H. H., and EDMAN, M. Fluorine in human nutrition. Amer. Dietet. Assoc. J. 29:24-28. Ref. Jan.1953. 389.8 Am34

30258 MORGAN, A. F. Possibilities of radioactive isotopes in nutrition research. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:267-268. 1951. 4 As7

30259 NAKAMURA, M. On the absorption rate of sweet potato. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:91-92. 1952. 389.9 J27

30260 NATIONAL VITAMIN FOUNDATION. Report to the board of governors by the scientific director (March 1, 1951—February 29, 1952). New York,1952. 65 p. 389.9 N2124

30261 NECHELES, H. Influence of pancreatic insufficiency on nutrition. Nutr. Symposium Ser. 4:62-82. Ref. July 1952. 389.8 N9594
Includes discussion.

30262 NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Cooking the 4-H way. N. C. Agr. Col. Ext. Club Ser. 15,rev.,52 p. June 1952. 275.29 N811C

30263 NUTRITION FOUNDATION. Report of the scientific director, June 30, 1952. New York,1952. 82 p. 389.9 N95

30264 NUTRITION SYMPOSIUM. Nutrition in the practice of medicine with comments on nutrition, disease and geography; proceedings of the Nutrition Symposium held at the University of California, School of Medicine, San Francisco, October 30, 1951. New York,Natl. Vitamin Found.,1952. 163 p. 389.8 N9594

30265 PETERSON, S. R. Seafood products in armed forces rations. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4:218-224. Third Q.1952. 389.9 As74A

30266 PIERANGELI. E., and ROTHMAN, B. Los requerimientos alimentarios del trabajador. Asoc. Argentina de Dietologia. Rev. 9:147-160. Ref. Oct./Dec.1951. 389.9 As5

30267 PLATT, R. Introduction to the subject of diet in hypertension and renal disease. Brit. J. Nutr. 6:427-428. 1952. 389.8 B773

30268 REEBSTEIN, H. Alimentäre dystrophie und vitaminmangelstörungen. Internatl. Z. f. Vitaminforsch. 24(12):75-81. 1952. Ref. 1952. 389.8 Z33
English summary.

30269 ROBERTS, L. J. Deficiencias en la dièta típica y como corregirlas. Rev. de Agr. P. R. 43:259-265. Jan./June 1952. 8 R325

30270 ROSCOE, M. H. Diet and chronic renal disease. Brit. J. Nutr. 6:432-435. Ref. 1952. 389.8 B773

30271 ROTHMAN B. Tratamiento dietoterapico de las diarreas. Asoc. Argentina de Dietologia. Rev. 9: 168-178. Oct./Dec.1951. 389.9 As5

30272 SCHEELE, L. A. Private and public resources in nutrition research. Natl. Vitamin Found. Annu. Rpt. 1951/52:20-34. 389.9 N2124

30273 SCHEELE, L. A. Resources in nutrition research. Nutr. Rev. 11:1-3. Jan.1953. 389.8 N953

30274 SCHLESWIG-HOLSTEIN. MINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Die macht der hausfrau. Kiel,Landesverbraucher-Ausschuss Schleswig-Holstein,1952. 40 p. 386.3 Sch33
Includes articles on human nutrition and food consumption

30275 SCHLOSSER, G., and CHAPMAN, V. Recipes for quantity service. U. S. D. A. PA-212,31 p. Sept.1952. 1 Ag84Pro

30276 SCHMIDT, A. A. New ways to provide albumin-vitamin nutrition. (In Latvian.) Latv. PSR Zinatņu Akad. Vest. 11:1681-1688. 1951. 511 R442

30277 SCHULZ, T. A 'human needs' diet in November, 1952. Oxford. U. Inst. Statis. B. 14:423-429. Nov./Dec.1952. 280.9 Ox2B

30278 SKISLIEWICZ, W. Das ernährungsproblem und die hausfrau. L und E 5(6):12-13. June 1952. 389.8 Z34

30279 SPIVEY, M. R. A career in nutrition research. J. Home Econ. 45:38-39. Jan.1953. 321.8 J82

30280 STARE, F. J. Some aspects of nutrition in relation to tissue devitalization and maintenance. Nutr. Symposium Ser. 4:107-118. July 1952. 389.8 N9594
Includes discussion.

30281 SUNDARARAJAN, A. R., and BAGCHI, K. K. Human nutrition. Annu. Rev. Biochem. & Allied Res. India 22:61-69. Ref. 1951,pub.Sept.1952. 385 So13

30282 SWICKARD, M. T. Dry beans, peas, lentils; modern cookery. U. S. D. A. L. 326,24 p. 1952. 1 Ag84L
Supersedes AWI-47.

30283 TALLARICO, G. The vegetarian diet reaches maturity. (In Italian.) Agricoltura 1(10):45-50. Oct. 1952. 16 Ag8226

30284 TERELL, E. L. School lunches, a vital phase of education in Louisiana. Ala. Tuskegee Inst. Serv. 17(5):7-8,14. Dec.1952. 280.8 Se62

30285 TREMOLIÈRES, J., SERVILLE, Y., and VINIT, F. Étude sur la ration alimentaire type à préconiser pour le Français. Inst. Natl. d'Hyg. B. 7:767-825. Oct./Dec.1952. 449.9 P21

30286 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Report, 1951/52. Washington,1952. 17 p. 1 H75

30287 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Turkey on the table the year round. U. S. D. A. Farmers' B. 2011,slightly rev.,21 p. Dec.1952. 1 Ag84F
U. S. Bureau of Animal Industry and U. S. Production and Marketing Administration cooperating.

30288 WALKER, E. How we are doing it in England. Amer. Dietet. Assoc. J. 29:17-19. Jan.1953. 389.8 Am34
Emergency feeding.

FOOD HABITS

30289 ABBOTT, O. D., TOWNSEND, R. O., and FRENCH, R. B. A survey of food preferences of Florida men. Fla. Agr. Expt. Sta. B. 500,26 p. Aug.1952. 100 F66S

30290 BEAUDOIN, R., and MAYER, J. Food intakes of obese and non-obese women. Amer. Dietet. Assoc. J. 29:29-33. Ref. Jan.1953. 389.8 Am34

30291 CHALMERS, F. W. Nutritional studies. W. Va. Agr. Expt. Sta. B. 357(1):2,8. Sept.1952. 100 W52
Diet of school children.

30292 DODD, V. L. Foods for older people. Hawaii. U. Agr. Ext. Home Econ. C. 258,4 p. Nov.1952. 275.29 H312H

30293 GREENE, A. H. M. Rations of the Commonwealth nations. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4:181-211. Third Q.1952. 389.9 As74A
Food habits.

30294 HUTCHINSON, R. C. Meal habits and their effects on performance. Nutr. Abs. & Rev. 22:283-297. Ref. Oct.1952. 389.8 N95

30295 MIKLAU, L. Urtümliche bauernkost in Kärnten, eine ernährungskundliche studie. Bionomica 3:80-81. (Cont.) Oct.1952. 463.8 B52

30296 WHITEHEAD, F. E. Dietary studies of school-age children in Ascension Parish, Louisiana. Amer. J. Pub. Health 42:1547-1551. Dec.1952. 449.9 Am3J

NUTRITIVE AND VITAMIN CONTENT

30297 ALM, F. C-vitaminet och livsmedelsförädlingen. [Vitamin C and food processing]. Svenska Inst. f. Konservforsk. P. 62,11 p. 1952. 389.9 Sv2
Fruit and vegetables.

30298 AUERSWALD, W. Was soll der molkereifachmann von den vitaminen wissen? IV. Österr. Milchwirt. 7:311-312. Nov.7,1952. 44.8 Os72
Nutritive value of foods.

30299 BENDER. Bienenzucht jenseits der grenzen und meere. Leipzig. Bienenztg. 66:308-310. Nov.1952. 424.8 L53
Honey in nutrition and therapeutics.

30300 BERTARELLI, E. Food value of rice and green vegetables. (In Italian.) Riso 1(9):12-13. Oct. 1952. 59.8 R49

30301 BLAIZOT, P., and CUVIER, P. L'importance alimentaire des corps gras et la chimie de synthèse. Oléagineux 7:685-692. Dec.1952. 77.8 OL2
English summary p. 735.

30302 BUFANO, M. Not only a food but a medicine for all. (In Italian.) Agricoltura 1(10):37-39. Oct.1952. 16 Ag8226
Grapes.

30303 CANADA. DEPT. OF NATIONAL HEALTH AND WELFARE. DIV. OF NUTRITION. Table of food values recommended for use in Canada. Ed. 2. Ottawa, 1951. 286 p. 389.1 C165T

30304 CARLIER, L. Mangeons de fruits. Cour. Hort. 14:538-540. Oct.1952. 80 C834
Nutritive value.

30305 COETZEE, W. H. K., and BURGER, I. J. Nutritive and health values of fresh fruit and fruit juices. Farming So. Africa 27:489-491. Nov.1952. 24 So842

30306 CREPIN, P. Para qué sirve la leche de cabra en la alimentación de los tuberculosos? B. de Zootec. 8: 257. Aug.1,1952. 41.9 So16

30307 DAMANSKY, A. F., and STANIMIROVIC, S. Rapport entre vitamine C et cellulose dans la noix. Soc. de Chim. Biol. B. 34:821-822. 1952. 383 Sq1

30308 DAMANSKY, A. R., RAKIC, G. L., and STANIMIROVIC, S. G. Repartition de la vitamine C dans le concombre. Soc. de Chim. Biol. B. 34:819-820. 1952. 383 So1

30309 DASSLER, E. Welthandelsfrucht banane-der gesundheitswert der banane. Früchte u. Gemüse Markt 4:1154-1157. Aug.29,1952. 286.83 F9425

30310 DELINDATI, G. Vitamin H in the tomato and its processed products. (In Italian.) Indus. Ital. delle Conserve 27:90-94. Ref. May/June 1952. 389.8 In23

30311 DÖRNER, H. Gesund durch brotgenuss. Deut. Müller-Ztg. 50:612-613. Dec.10,1952. 298.8 Su2
Nutritive value.

30312 FLACCOMIO, E. He who eats butter will enjoy good health. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(106):10. Dec.20,1952. 281.8 Ag3
Nutritive value.

30313 HALPIN, J. How good is our bread? Hoard's Dairyman 97:999,1017. Dec.25,1952. 44.8 H65
Nutritive value.

30314 HARA, H., and HIOKI, H. Studies on the water soluble vitamins of tea. (Sum.) Tokyo. Food Res. Inst Rpt. 7:17. Sept.1952. 389.9 T57

30315 JAMES, D. P. Nicotinic acid, pantothenic acid and biotin in fruits, vegetables and nuts. Brit. J. Nutr. 6:341-356. Ref. 1952. 389.8 B773

30316 KONDRUP, M. Whale meat, a potential protein food resource. FAO Fisheries B. 5:184-189. Ref. Sept./Oct.1952. 414.9 F73

30317 KUBO, S., and TSUTSUMI, C. Calcium contents of vegetables. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:18. Sept.1952. 389.9 T57

30318 KUHN, R. Vitamine der milch. Molk.- u. Käserei-Ztg. 3:1499-1500. Nov.27,1952. 44.8 M736

30319 LAL, B. M., RAJAGOPALAN, R., and DE, S. S. Influence of calcium on the supplementary value of oil cakes to the poor south Indian diet. Sci. & Cult. 18:193-194. Oct.1952. 475 Sci24

30320 LULLO, C. DI. Eggs and poultry meat in human nutrition. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(107):8-10. Dec.27,1952. 281.8 Ag3

30321 MELHUS, I. E., AGUIRRE, F., and SCRIMSHAW, N. S. Observations on the nutritive value of teosinte. Science 117:34-35. Ref. Jan.9,1953. 470 Sci2

30322 MISNER, E. G. Caloric equivalent of 3.7 test milk. Holstein-Friesian Assoc. Amer. Milk Mktg. News Let. 3(9),7 p. Sept.1952. 44.9 H74

30323 MIYAUCHI, M., and TASAKA, Y. Studies on the increase of food value of keratin proteins. 1. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:93-96. 1952. 389.9 J27

30324 NAKANO, M., and EBINE, H. On the manufacture of enriched miso. I-II. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:22-23. Sept.1952. 389.9 T57
I, Enrichment with calcium; II, Enrichment with vitamins A, B_1 and B_2.

30325 NANDI, D. K , RAJAGOPALAN, R., and DE, S. S. Studies on the nutritive value of vegetable milk. Sci. & Cult. 18:199-200. Oct.1952. 475 Sci24

30326 NATIONAL DAIRY COUNCIL. The economy of milk. Certif. Milk 27(12):11-12. Dec.1952. 44.8 C33
Nutritive value.

30327 NATIONAL DAIRY COUNCIL, CHICAGO. Newer knowledge of milk. Ed. 2. Chicago,1952. 40 p. Ref. 389.1 N216Ne
Nutritive value.

30328 OLIVEIRA, A. P. DE. Real honey is a food and drug. (In Portuguese.) Chacaras e Quintais 86:663-664. Nov.15,1952. 9.2 C34

30329 PIERANGELI, E., and RADICE, J. C. Distribución de la vitamina A en higados de ovino para consumo. Asoc. Argentina de Dietologia. Rev. 9:161-165. Oct./Dec.1951. 389.9 As5

30330 PLATZER, E. Zu wenig obst und gemüse? Reich der Landfrau 48:383-384. Nov.27,1952. 18 L2347
Nutritive value.

30331 RAMAYYA, R. R. Mango kernel—food. Madhya Pradesh. Agr. Dept. B. 38,6 p. 1952. 22 C3332
Nutritive value as food and feed.

30332 REIG FELIU, A. Retención de vitamina C en el jugo de naranja, desaireado y pasteurizado, durante el almacenado a varias temperaturas. Spain. Inst. Nac. de Invest. Agron. An. 1:225-239. Ref. Sept.1952. 15 Sp18
English summary.

30333 RISSO PATRON, R. Variaciones en el contenido de ácido ascórbico en tomates y arvejas durante el proceso de industrialización. Asoc. Argentina de Dietologia. Rev. 10(37):35-47. Ref. Jan./Mar.1952. 389.9 As5

30334 ROSSI LEMA, L. Caracteristícas esenciales de la leche como alimento. Uruguay. Min. de Ganad. y Agr. B. Inform. 439:8-10. Oct.30,1952. 9.9 G15B

30335 SAKURAI, Y., and others. Migration of vitamin B_1 in peanuts during ripening and drying. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:17. (Cont.) Sept.1952. 389.9 T57
S Tatsuzawa, Y. Teramachi, and H. Hioki, joint authors

30336 SAKURAI, Y., WATANABE, Y., and YOKOZAWA, I. Nutritional studies on starch. III-IV. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:14-15. Sept.1952. 389.9 T57

30337 SEIJO DE ZAYAS, E. El Puertorriqueño puede alimentarse mejor a traves de una mayor y mejor producción de alimentos. Rev. de Agr. P. R. 43:266-281. Jan./June 1952. 8 R325
Nutritive value of various Puerto Rican foods.

30338 SHERWOOD, R. C. Enrichment in Canada; mechanism and control of flour and bread enrichment. Canad. Milling & Feed 33(12):19-21. Dec.1952. 298.8 C162

30339 SHIOIRI, H., and others. On the nutritive value of commercial canned goods made in Japan. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:18. Sept.1952. 389.9 T57
T Nagahara, H. Miura, S. Kimura, S. Nishimaru, S. Haginuma, M. Omura, O. Nakayama, H. Taira, T. Shibata, and O. Kobayashi, joint authors.

30340 SRINIVASAN, M., BHALERAO, V. R., and SUBRAMANIAN, N. Agave vera cruz—a source of polyfructosans. Cur. Sci. 21:159-160. June 1952. 475 Sci23

30341 TALLARICO, G. Perfect food pair: bread and dried figs. (In Italian.) Gior. di Agr. 62:397. Dec.28, 1952. 16 It1G
Nutritive value.

30342 TERAMACHI, Y. On the vitamin B_1 enriched noodle. (Sum.) Tokyo. Food Res. Inst. Rpt. 7:15. Sept 1952. 389.9 T57

30343 THOMAS, G. C. Food enrichment in the United States. Amer. Miller & Processor. 80(11):29, 76-79,82-83. Nov.1952. 298.8 Am32
Flour and bread.

30344 TRENDTEL. Die gesundheitliche bedeutung der milch. Molk.-Ztg. 6:2192-2194. Dec.11,1952. 44.8 M735

30345 TSUCHIYA, S., and KOSHINO, T. On the phosphor and calcium-content in the chief vegetable foods. I-II. (In Japanese.) Jap. Soc. Food & Nutr. J. 5: 82-87,109-113. 1952. 389.9 J27

30346 YUPPA, M. P. Milk—teeth—and health. Amer Milk Rev. 15:18,20,68. Jan.1953. 44.8 Am38

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

30347 ACEVEDO TRILLAT, F. El Ministerio de Agricultura, su reestructuración y nueva orientacion. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.172-175. Temuco,1952. 27 C7655

30348 ALLEN, D. L. Wildlife and the farmer. Pa. Farmer 148:72-74. Jan.10,1953. 6 P383

30349 AMERICAN CHEMICAL SOCIETY. DIV. OF AGRICULTURAL AND FOOD CHEMISTRY. Agricultural applications of petroleum products:a collection of papers comprising the symposium on agricultural applications of petroleum products,at the 118th meeting of the American Chemical Society, Chicago, Ill., September 1951. Advn. Chem. Ser. 7,104 p. Aug.25,1952. 381 Ad93
Division of Petroleum Chemistry, cooperating.

30350 AMERICAN SOCIETY OF PHOTOGRAMMETRY. Manual of photogrammetry. Ed. 2. Washington, 1952. 876 p. Ref. 325.2 Am3
Contains a paper, Photographic Interpretation for Civil purposes, p. 535-602, which discusses uses of photogrammetry in agriculture and forestry.

30351 BUTENANDT, A. The mode of action of hereditary factors. Endeavour 11:188-192. Ref. Oct. 1952. 472 En2
Relation between genes and enzymes.

30352 CHILE. MINISTERIO DE AGRICULTURA. Proyecto de reestructuración del Ministerio de Agricultura. In Congreso Agricola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.163-171. Temuco,1952. 27 C7655

30353 CIPPERLY, J. Hoover commission report may be basis for reorganization of USDA. Feedstuffs 25(3):60-61,64. Jan.17,1953. 286.81 F322

30354 COLEMAN, C. M. P.G. and E. of California; the centennial story of Pacific Gas and Electric Company, 1852-1952. New York,McGraw-Hill,1952. 385 p. 335.9 P11

30355 CRASS, M. F. Manufacturers must make certain they know the law when it comes to labeling pesticides. Farm Chem. 115(12):25,27. Dec.1952. 57.8 Am3

30356 DYKSTRA, W. W. Latest on the new safer anticoagulant rodenticides. Pest Control 21:18,20. Jan. 1953. 449.8 Ex8

30357 FLEDDERJOHN, H. C. Shortages, the only shortage Hoosier Farmer 38:41,46. Jan.1953. 280.82 H76
Farm supplies.

30358 FRIESCHE MAATSCHAPPIJ VAN LANDBOUW. Verslag over het jaar 1951. [Annual report of the Friesian Agricultural Society for the year 1951]. Leeuwarden, 1951. 87 p. 12 F912

30359 GARDNER, R. H. Soap making—no boil method. Utah. State Agr. Col. Ext. Fact Sheet 15,4 p. Aug. 1952. 275.29 Ut1F

30360 GERLACH, A. C. Potential uses of Government libraries for geographical research. J. Geog. 52: 32-40. Jan.1953. 278.8 J82
Includes the Library of the U. S. Department of Agriculture.

30361 GUNDERSON, H. Rat control—a job for everyone. Iowa. State Col. Agr. Ext. Pam. 179,4 p. Apr.1952. 275.29 Io9Pa

30362 HEY, D. Wild life and the farmer. Farmer's Wk. [Bloemfontein] 82:52-53,55. Mar.26,1952. 24 F225
Conservation in South Africa.

30363 INDIANA ACADEMY OF SCIENCE. Proceedings, volume 61, 1951. Indianapolis,1952. 455 p. 500 In2

30364 IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. List of publications (and abstract). Ames,1952. 15 p. 275.29 Io9Li
Agricultural Experiment Station publications included.

30365 JÖNKOPINGS LÄNS HUSHÅLLNINGSSÄLLSKAP. [Berättelse över Jönköpings Läns Hushållningssällskapsverksamhet under år 1951] [Report on the activities of Jönköping Province Agricultural Association's activities during the year 1951]. Jönköping,1952. 51 p. 11 J732

30366 LANTBRUKSAKADEMIEN. Academy of Agriculture; secretary's report for 1951. (In Swedish.) Lantbrakad. Tidskr. 91:13-29. 1952. 104 Sw3
English summary.

30367 MADRAS. DEPT. OF AGRICULTURE. Administration reports of subordinate officers for 1950-51. Coimbatore,1952. 804 p. 22 M26Re

30368 MANOV, G. G. Radioisotope laboratories for animal and agricultural research. Atomics 3:293-300. Nov.1952. 334.8 At7

30369 METGE, G. Laboratoriumsbuch für agrikulturchemiker bei feststellung von art und güte landwirtschaftlicher stoffe. Ed. 4, rev. Halle,Saale,Knapp,1951. 265 p. (Laboratoriumsbücher für die Chemische und Verwandte Industrien 18) 395 M56

30370 NEW ZEALAND. DEPT. OF ISLAND TERRITORIES. WESTERN SAMOA. Report for the calendar year 1951. Wellington,1952. 72 p. 272 N48
Includes agriculture.

30371 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Destroy those rats. I. Poisoning programme. North. Ireland. Min. Agr. Mon. Agr. Rpt. 27:270-272. Jan.1953. 256.13 Ag82M

30372 OHIO. DEPT. OF AGRICULTURE. Biennial report July 1950 to June 1952. Akron,1952. 162 p. 2 Oh35

30373 ONTARIO. DEPT. OF AGRICULTURE. Report for the year ending March 31, 1952. Toronto,1952. 195 p. 7 On8Re

30374 PECHANEC, J. F. Biological aspects of agricultural development and conservation. Biol. Colloquium 13:16-19. 1952. 442.9 B524

30375 QUEENSLAND. DEPT. OF AGRICULTURE AND STOCK. Annual report for the year 1951-52. Brisbane,1952. 125 p. 23 Q3

30376 RANDLE, S. B. Agricultural insecticides and fungicides, 1951. N. J. Agr. Expt. Sta. Inspect. Ser. 47, 22 p. Aug.1952. 100 N46S

30377 SARAWAK. DEPT. OF AGRICULTURE. Annual report for 1951. Kuching,1952. 17 p. 22.5 Sa7

30378 SCHWEIZER Bauer kalender für das schweizer haus, 59. jahrgang, 1953. Bern,1953. 128 p. 17 Sch95K

30379 SIMONS, C. S. Instrumentation for an agricultural radioisotope laboratory. Atomics 3:288-292. Nov.1952. 334.8 At7

30380 TENNESSEE. DEPT. OF AGRICULTURE. Farming and freedom; thirty-ninth biennial report, fiscal years beginning July 1, 1950 and ending June 30, 1952. Nashville,1952. 414 p. 2 T25R

30381 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Origin, structure, and functions of the U. S. Department of Agriculture. Rev. Washington,1952. 25 p. (Document 1) 1.914 A2Or4

30382 U. S. DEPT. OF AGRICULTURE. OFF. OF PLANT AND OPERATIONS. Report, 1951/52. Washington,1952. 14 p. 1 Op2

30383 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SOLICITOR. Report for the fiscal year ended June 30, 1952. Washington,1952. 46 p. 1 So45R

30384 U. S. NORTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents. U. S. Agr. & Indus. Chem. AIC-318(sup.2),15 p. Aug.27,1952. 1.932 A2Ag82

30385 UPPSALA LÄNS HUSHÅLLNINGSSÄLLSKAP. Report of Uppsala Province Agricultural Society's activities during the year 1951. (In Swedish.) Uppsala Läns Hushsällsk. Handl. 134:18-184. 1952. 11 Up6

30386 VÄRMLANDS LÄNS HUSHÅLLNINGSSÄLLSKAP. Årsberättelse för 1950 [Annual report of the Värmland Province Agricultural Society for 1950]. Karlstad,1951. 318 p. 11 V43

30387 VERMONT. DEPT. OF AGRICULTURE. Twenty-sixth biennial report 1951—1952. Montpelier, 1952. 83 p. 2 V593

30388 VOLIN, L. Science and intellectual freedom in Russia. In American Association for the Advancement of Science. Soviet science, p.85-99. Ref. Washington, 1952. 330 Am34

30389 WOOD, J. E. The effects of agriculture (ranching and farming) on the habitat and food supply of furbearers in the post oak region of Texas. No. Amer. Wildlife Conf. Trans. 17:427-437. 1952. 412.9 N814
Includes discussion.

30390 WOOD, M. Birds of the State College Region, Pennsylvania. Pa. Agr. Expt. Sta. B. 558,36 p. Ref. Aug.1952. 100 P381

30391 WYOMING. AGRICULTURAL EXPERIMENT STATION. List of available publications. Laramie,1952. 2 p. 100 W99L

HISTORY AND BIOGRAPHY

30392 BARANOV, P. A. Outstanding botanist and fiery patriot (To the 50th anniversary of A. N. Beketov's death). (In Russian.) Priroda 41(9):73-77. Ref. Sept. 1952. 410 P933

30393 BIKLE, A. Wie sah unser landbau zur zeit des schweizerischen bauernkrieges aus? Schweiz. Bauer Kal. 59:44-47. 1953. 17 Sch95K

30394 BOCALANDRO, C. A. Homenaje del Instituto Biológico "Dr. Tomás Perón" en el 63. aniversario de la muerte del Dr. Tomás Perón. La Plata,1952. 31 p. 120 P422

30395 BONNET, P. Émile Baillaud, 1874—1945, sa vie—son oeuvre. Études d'Outre Mer 35:297-306. Sept.1952. 286.8 M35

30396 BRETIGNIERE, L. L'agriculture du XVIIe siècle à la fin du XVIIIe. Agriculture [Paris] 16:255-256. Oct.1952. 14 Ag823
France.

30397 COMBES, R. Louis Lutz (1871-1952). Acad. d'Agr. de France, Compt. Rend. 39:617-618. Nov.5/12, 1952. 14 P215Bc

30398 CORE, E. L. Lawrence William Nuttall. Castanea 17:157-164. Dec.1952. 450 So82

30399 COY, H. The real book about George Washington Carver. Garden City,N. Y.,Garden City Books,1951. 191 p. (Real Books) 120 C25C

30400 CRAF, J. R. Economic development of the United States. New York,McGraw-Hill,1952. 598 p. Ref. 277.12 C84
Includes agriculture.

30401 DOWSON, W. J. Professor F. T. Brooks, C. B. E., F. R. S. Ann. Appl. Biol. 39:617-619. Dec. 1952. 442.8 An72

30402 FORISCOT, A. P. Completando la biografía de Langstroth. Avicult. Téc. 5:93-94. Sept.1952. 47.8 Av57

30403 FUSSELL, G. E. The practical Norfolk farmer in 1808. Land Agents' Soc. J. 51:492-494. Nov.1952. 282.9 L22

30404 GLOVER, W. H. Farm and college; the College of Agriculture of the University of Wisconsin; a history. Madison,U. Wis. Press,1952. 462 p. Ref. 30.9 G51

30405 GUINIER, P. Lord Robinson (1883-1952). Acad. d'Agr. de France. Compt. Rend. 39:586. Oct.22/29, 1952. 14 P215Bc

30406 GUINIER, P. René Maire 1878-1949. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 41:65-113. July/Dec.1950,pub.1952. 410.9 So125
Includes a list of his publications.

30407 HARRIS, L., JR. Henry W. Eustis. Lepidopterists' News 6:77. Nov.17,1952. 421 L554

30408 HITIER, H. L'agriculture française sous le Consulat. Acad. d'Agr. de France. Compt. Rend. 39: 635-636. Nov.5/12,1952. 14 P215Bc

30409 HOPKIRK, C. S. M. Memorial address—John Anderson Gilruth, (1871-1937). New Zeal. Soc. Anim. Prod. Proc. 12:10-15. 1952. 49.9 N483

30410 HRYNIEWIECKI, B. Hedwige Wołoszyńska. (1882-1951). Souvenir posthume. (In Polish.) Soc. Bot. Polon. Acta 21:295-310. 1952. 451 So16
French summary.
Includes list of her publications.

30411 JENSEN, H. M. The man behind the method. (In Danish.) Nord. Mejeri-Tidsskr. 18:176-177. 1952. 44.8 N752
Rudolf Schatzmann and Albine Peter.

30412 JONES, G. N., and TIPPO, O. John Theodore Buchholz, 1888-1951. Phytomorphology 2:181-185. Aug.1952. 450 P566
Includes list of his publications.

30413 KLOTS, A. B. Marguerite S. Forsyth. Lepidopterists' News 6:76-77. Nov.17,1952. 421 L554

30414 KONIG, J. South Africa's history started with a farm; the story of Jan Van Riebeeck's settlement. Farmer's Wk. [Bloemfontein] 82:14-15,17. Mar.26,1952. 24 F225

30415 KROCKER, U. Die sozialgeographische entwicklung der fünf feldbergdörfer im Taunus in den letzten 150 jahren. Rhein-Mainische Forsch. 37,83 p. Ref. 1952. 278.8 R34
Includes agriculture.

30416 LANDIS, B. Y. AE. Town & Country Church 84:7-8. Dec.1952. 281.28 T66
Rural philosophy of G. W. Russell.

30417 LEBON, J. H. G. The evolution of our countryside. London,Dobson,1952. 56 p. 30.9 L49

30418 LENGLEN. La conception du rôle, de l'importance et de la pratique de l'agriculture d'après le "Zend-Avesta," livre sacré des perses (XVIe siècle avant Jésus-Christ). Acad. d'Agr. de France. Compt. Rend. 39:629-634. Nov.5/12,1952. 14 P215Bc

30419 LINDEMANS, P. Geschiedenis van de landbouw in België [History of agriculture in Belgium]. Pt. 2. Antwerpen,De Sikkel,1952. 541 p. 30.9 L64

30420 LOOSER, G. Atanasio Hollermayer, 1860—1945. Rev. Sudamer. de Bot. 10:51-52. Oct.1952. 450 R3242

30421 LOOSER, G. Fortunato Luciano Herrera y Garmendia, 1875 - 1945. Rev. Sudamer. de Bot. 10:52. Oct.1952. 450 R3242

30422 LOOSER, G. Victor Manuel Baeza, 1886 - 1944. Rev. Sudamer. de Bot. 10:51. Oct.1952. 450 R3242

30423 MARANI, C. Cavour and agriculture. (In Italian.) B. dell'Agr. 86(42):1-2. Oct.31,1952. 16 B87

30424 NILSSON, F. Professor Gerhard Forssell. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 30: 128-130. Nov.1952. 49.9 Sk1

30425 NIXON, R. W. Walter Tennyson Swingle (1871-1952). Date Growers' Inst. Rpt. 29:21-22. 1952. 81 D26

30426 PHILIPPINE REPUBLIC. BUR. OF AGRICULTURE. GOLDEN JUBILEE COMMITTEE. A half-century of Philippine agriculture, written by men of the Bureau of Agriculture and its successors, the Bureau of Plant Industry, the Bureau of Animal Industry and the Fiber Inspection Service. Manila,Graphic House,1952. 463 p. 37 P533

30427 RAINERI, C. The life history of Sidney Thomas. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(101):6-7. Dec.4,1952. 281.8 Ag3

30428 RICHEY, F. D. Eugene Curtis Auchter: 1889-1952. Science 116:700-701. Dec.26,1952. 470 Sci2

30429 SALVADOR Y ASCASO, J. M. El campo de la historia en la historia del campo. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 52:4. (Cont.) Sept.1952. 15 Sa7

30430 SALVADOR Y ASCASO, J. M. El campo de la historia en la historia del campo. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 53:29-30. (Cont.) Oct.1952. 15 Sa7

30431 SCHEERPELTZ, O. Paul Meyer. Ent. Bl. 47/48:113-119. 1951/52. 421 En833
Includes a list of his publications.

30432 STECKI, K. Dr Józef Goetz (1903-1951). Souvenir posthume. (In Polish.) Soc. Bot. Polon. Acta 21:803-809. 1952. 451 So16
French summary.
Includes list of his publications.

30433 STEPHENS, P. R. The Department of Agriculture. New Zeal. J. Agr. 85:371-373,375-376. Nov.15, 1952. 23 N48J
Deals mainly with a few of the men who have made contributions to the Department's work.

30434 SUOMALAINEN, E. Harry Federley (1879-1951). Lepidopterists' News 6:57-60. Nov.17,1952. 421 L554
Includes list of his publications.

30435 WHITLOCK, R. We plough up the Celtic fields. I. A new survey of British farming traces its foundations in prehistoric antiquity. Field 200:804-805. Nov.15,1952. 10 F45

30436 WILLIAMS, MRS. B. Walter L. Randolph, Farm Bureau leader. Ala. Farmer 32(3):9-10. Dec. 1952. 276.8 AL1

30437 WORK, P. Leaders in vegetabledom. 1. Liberty Hyde Bailey. Mkt. Growers J. 81(12):24-25. Dec. 1952. 6 M34

30438 ZIEGENSPECK, H. Carl Mez, 1866 - 1944. Rev. Sudamer. de Bot. 10:48-50. Oct.1952. 450 R3242

30439 ZIEGENSPECK, H. Ludwig Diels, 1874 - 1945. Rev. Sudamer. de Bot. 10:53-55. Oct.1952. 450 R3242

HOME MANAGEMENT

30440 ADAMS, G., and YOUNG, F. The 4-H Club clothing handbook. N. Y. Agr. Col. Ext. Cornell Misc. B. 12,20 p. Jan.1953. 275.29 N48Cm

30441 ARMSTRONG, O. Appropriate finishes. Okla. Agr. Col. Ext. C. 269,39 p. n.d. 275.29 Ok41C
Sewing suggestions and instructions.

30442 BEATTY, C. A. Color makes your home interesting. Vt. Agr. Col. Ext. Brieflet 871,6 p. 1952? 275.29 V59E

30443 BLACK, S., and SEELY, P. Making slip covers. Pa. State Col. Agr. Ext. Spec. C. 5,18 p. Nov. 1952. 275.29 P382Sp

30444 4-H CLUB HOME IMPROVEMENT CONFERENCE, CHICAGO, 1952. A look at 4-H Club work in home improvement; a report of 4-H Club Home Improvement Conference, Chicago, Ill., March 10-12, 1952. Washington,U. S. Ext. Serv.,1952. 38 p. 1.913 C3F822

30445 GARDNER, R. H. Current trends in carpeting. Utah. State Agr. Col. Ext. Fact Sheet 3,4 p. Apr.1952. 275.29 Ut1F

30446 GARDNER, R. H. Easier ironing. Utah. State Agr. Col. Ext. Fact Sheet 13,4 p. July 1952. 275.29 Ut1F

30447 JAMISON, R., and SETTLE, M. B. Transparent finishes for wood floors. Va. Agr. Col. Ext. C. 553,7 p. July 1952. 275.29 V81C

30448 NORTH CAROLINA LIBRARY COMMISSION. Good reading for home demonstration clubs. Raleigh, N. C. Agr. Ext. Serv.,1952? 19 p. 275.29 N811G

30449 SPIVEY, G. L. You can make slip covers. Okla. Agr. Col. Ext. C. 498,16 p. n.d. 275.29 Ok41C

30450 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Slidefilms on home economics subjects. Washington?1952. 3 p. 1.982 A2SL3
U. S. Extension Service cooperating.

30451 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Titles of completed theses in home economics and related fields in colleges and universities of the United States, 1951-52. U. S. D. A. PA-207,60 p. Oct. 1952. 1 Ag84Pro
U. S. Office of Education, Home Economics Service cooperating.

30452 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Arranging your bedroom furniture. Va. Agr. Col. Ext. C. 550,2 p. June 1952. 275.29 V81C

30453 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Chair reseating with rush, fiber and Hong Kong grass. Va. Agr. Col. Ext. C. 540, 2 p. Jan.1952. 275.29 V81C

30454 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. How to choose and hang pictures. Va. Agr. Col. Ext. C. 557,3 p. Sept.1952. 275.29 V81C

30455 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. How to make a scarf or a towel. Va. Agr. Col. Ext. C. 560,2 p. Aug.1952. 275.29 V81C

30456 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. How to make and use a bulletin board. Va. Agr. Col. Ext. C. 559,1 p. Aug.1952. 275.29 V81C

30457 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Improved ironing center. Va. Agr. Col. Ext. C. 544,3 p. Apr.1952. 275.29 V81C

30458 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Make your own picture frame. Va. Agr. Col. Ext. C. 539,1 p. Jan.1952. 275.29 V81C

30459 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Posture in housework. Va. Agr. Col. Ext. C. 543,7 p. May 1952. 275.29 V81C

30460 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Suitable containers and holders for flowers. Va. Agr. Col. Ext. C. 554,2 p. July 1952. 275.29 V81C

30461 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. A wrist pincushion! Va. Agr. Col. Ext. C. 562,1 p. Oct.1952. 275.29 V81C

30462 WEAVER, E. K., and WALTERS, M. An easy way to iron a shirt. Ariz. Agr. Col. Ext. C. 206,8 p. Nov.1952. 275.29 Ar42

30463 WEAVER, E. K. A simple way to iron a shirt, revised by D. W. Cousens. N. Y. Agr. Col. Cornell Ext. B. 629,rev.,6 p. Nov.1952. 275.29 N48E

30464 WHISNANT, M. Easier ironing. N. C. Agr. Col. Ext. C. 372,16 p. Aug.1952. 275.29 N811

INTERNATIONAL RELATIONS

30465 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Program of work 1952-1953. Food & Agr. Organ. United Nations. Conf. 6(C51/25),89 p. 1951. 389.9 F735Conc

30466 SANCHEZ GAVITO, X. El extenso programa de la FAO. Mensajero Agr. 76:14-15,18. Sept.1952. 9.8 M52

METEOROLOGY

30467 ÇOLAŞAN, U. E. Étude sur les grêles de l'année 1947 dans la région d'Egée; leur origine et les moyens de les combattre. (In Turkish.) Turkiye Cumhuriyeti Ziraat Bankasi. Uc Ayda Bir Çikar 24:152-167. Oct./Dec.1951. 280.9 T842

30468 FLOYD, R. Does 1-wet-2-dry pattern foretell 1953 as another dry year? Farmer-Stockman 55(12):9, 23. Dec.1952. 6 Ok45

30469 GERMANY (TERRITORY UNDER ALLIED OCCUPATION. U. S. ZONE) GERMAN METEOROLOGICAL SERV. Die agrarmeteorologische tagung in Stuttgart-Hohenheim, am 14. und 15. april 1951. Bad Kissingen,1952. 111 p. (Its Berichte, Nr. 32). 345 G313

30470 HERNANDEZ ROBREDO, L. Meteorología, física y climatología agricolas. Barcelona,1952. 370 p. Ref. (Colección Agrícola Salvat) 340 H43M

30471 NOTH, H. Erfahrungen und forderungen der landwirtschaft in Württemberg-Hohenzollern bezüglich des Agrarmeteorologischen Dienstes. Deut. Wetterdienst in der US-Zone. Ber. 32:91-95. 1952. 345 G313
Includes discussion.

30472 SCHNELLE, F. Aktuelle probleme der agrarmeteorologie. Deut. Wetterdienst in der US-Zone. Ber. 32:85-90. 1952. 345 G313

PERSONNEL

30473 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Report, 1951/52. Washington,1952. 15 p. 1 P432

RESEARCH

30474 AGRICULTURAL RESEARCH INSTITUTE OF NORTHERN IRELAND. Twenty-fifth annual report 1951-1952. Hillsborough,1952. 40 p. 103 N813

30475 AHLBERG, C. D. Some administrative problems in governmental research. Washington,Syracuse U., Maxwell Grad. Sch. Citizenship & Pub. Aff., Wash. Res. Off.,1951. 145 p. 330 Ah4
Contains a brief section on the Agricultural Research Administration.

30476 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE. Soviet science; a symposium presented on December 27, 1951, at the Philadelphia meeting of the American Association for the Advancement of Science, arranged by C. Zirkle and H. A. Meyerhoff. Washington,1952. 108 p. 330 Am34

30477 ANDERSON, W. Research must feed one more person every 13 seconds. Co-op Grain Q. 10(4): 66-68. Dec.1952. 280.28 C7898

30478 BECKENBACH, J. R. What research is doing for Florida agriculture. Fla. Grower 60(12):21,[illegible],39. Dec.1952. 80 F6622

30479 BLAKE, W. R. Agricultural research and education program. Cotton Gin & Oil Mill Press 54:35-36. Jan.3,1953. 304.8 C822

30480 BRINKLEY, P. C. The inter-relationship of agricultural research, education, development, and regulation. (Abs.) Va. J. Sci. (n.s.)3:277. Sept.1952. 470 V81

30481 BRISTOL UNIVERSITY. AGRICULTURAL AND HORTICULTURAL RESEARCH STATION. Annual Report, 1951. Long Ashton,1952. 210 p. 84 B77

30482 CAWTHRON INSTITUTE. Annual report 1951-52. Nelson,1952. 38 p. 330.9 C31

30483 COMEL, A. The Experimental Institute of Agricultural Chemistry of Gorizia in the triennium 1949-1951. (In Italian.) Ist. Chim.-Agr. Sper. Nuovi Ann. 3:179-192. 1952. 105.4 G67

30484 ETIGNY, J. D'. La investigación agrícola. In Congreso Agrícola, Ganadero, Forestal y Pesquero del Sur de Chile. Hacia el desarrollo racional de los recursos naturales, p.193-199. Temuco,1952. 27 C7655

30485 FOSDICK, R. B. The story of the Rockefeller Foundation. New York,Harper,1952. 336 p. 280.9 R592
Agriculture, p.181-191.

30486 GILES, W. L. Research program at Delta Branch Station geared to needs of area. Miss. Farm Res. [Miss. Sta.] 15(10):2-3. Oct.1952. 100 M69Mi

30487 GT. BRIT. COLONIAL OFF. Colonial research 1951—1952. London,1952. 253 p. (Cmd.8665) 330.9 G7973
Agricultural research.

30488 KANAGAWA-KEN, JAPAN. AGRICULTURAL EXPERIMENT STATION. Hakone kaihatsu shikenchi seiseki hokokusho [Report on Hakone cultivation experiment area]. Kamakura,1951. 78 p. 34.3 K19

30489 LYSENKO, T. D. Die kolchoslaboratorien und die agrarwissenschaft. Berlin,Kultur und Fortschritt, 1951. 53 p. (Kleine Bücherei der Gesellschaft für Deutsch-Sowjetische Freundschaft, Heft 18) 106 L99

30490 MARBACH, W. Die förderung der grundlagenforschung in der schweizerischen landwirtschaft. Grüne 80:1329-1333. Dec.5,1952. 17 Sch9

30491 MIER, C. A. Research work at Darmstadt and Dornach. Bio-Dyn. Agr. Assoc. Notes & Corresp. (n.s.)6:2-5. Autumn 1952. 10 An8

30492 NEW HAMPSHIRE. AGRICULTURAL EXPERIMENT STATION. Report of the director, July 1, 1949—June 30, 1951. N. H. Agr. Expt. Sta. B. 394,45 p. Mar. 1952. 100 N45

30493 PEIVE, Ā. V. Activities of the Academy of Science of the Latvian SSR and the place of its Division of Biological and Agricultural Sciences. (In Latvian.) Latv. PSR Zinatņu Akad. Vest. 11:1669-1679. 1951. 511 R442

30494 PUERTO RICO. FEDERAL EXPERIMENT STATION. Report of the Federal Experiment Station in Puerto Rico, 1952. Mayaguez,1952. 24 p. 1 Ex65

30495 RICHARDSON, T. C. Science looks for new ideas to help you make more money. Farmer-Stockman, Tex. Ed. 56:16-17,19,30,62. Jan.1953. 6 F22127

30496 SACCO, P. The Cremona Agricultural Experiment Institute. (In Italian.) Mondo Agr. 3(46):6. Nov.16,1952. 16 M74

30497 SCOTT, K. J. Rural research—a vital subject. Rur. Life, Sept.1952:3-4. 281.28 R884
Agricultural research.

30498 SHAW, B. T. Partners in a big job. Washington,U. S. Agr. Res. Admin.,1952. 8 p. 1.98 Sh2
Talk before Maryland Agricultural Teachers' Conference, Baltimore, Oct. 17, 1952.
Agricultural research and education.

30499 SHAW, B. T. The role of research in meeting future agricultural requirements. Washington,U. S. Agr. Res. Admin.,1952. 31 p. 1.98 Sh2
Paper presented on the general program of the annual meeting of the American Society of Agronomy, Cincinnati, Nov. 18, 1952.

30500 SIELING, D. H. Interrelationship of research with life. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65: 268-269. 1951. 4 As7
Agricultural.

30501 SKAARE, S. Impressions about Danish research establishments. (In Norwegian.) Samvirke [Oslo] 47:397-400. Oct.1,1952. 280.28 Sa4

30502 SKACHKOV, I. A. Achievements of science—for socialist agricultural production (Propositions of Dokuchaev Institute of Agriculture of the Central-Chernozem Area for introduction into agriculture). (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 6: 17-27. June 1952. 20 D742

30503 SOUVIGNY, FRANCE. FERME DE MAISONETTE, CENTRE D'EXPERIMENTATION ET D'ENSEIGNEMENT. Annual report,1951. Blois,Direction des Services Agricoles de Loir-et-Cher,1952. 69 p. 105.3 So8

30504 SURINAM. LANDBOUWPROEFSTATION. Officiële opening van het vernieuwde proefstationsgebouw op 18 januari 1952 [Official opening of the renovated experiment station on January 18, 1952]. Surinam. Landbproefsta. Meded. 13,27 p. Jan.1952. 102.5 D95

30505 SWITZERLAND. STATIONS FÉDÉRALES D'ESSAIS AGRICOLES DE MONT-CALME ET MONTAGIBERT, LAUSANNE ET PULLY. Rapport d'activité 1951. Landwirt. Jahrb. der Schweiz 66:915-1141. 1952. 17 L23

30506 TRULLINGER, R. W. Cooperative responsibilities in agricultural research. Washington,U. S. Off. Expt. Sta.,1952. 10 p. 1.912 T76
Outline of remarks before a dinner meeting of the Farm Equipment Institute and agricultural research leaders, Dec. 16, 1952, at Chicago.

30507 U. S. AGRICULTURAL RESEARCH ADMIN. Introduction to report of the administrator, 1951/52. Washington,1952. 22 p. 1.98 R29

30508 U. S. AGRICULTURAL RESEARCH ADMIN. List of Research achievement sheets. Washington?1952. 3 p. 1.98 R317

30509 U. S. OFF. OF EXPERIMENT STATIONS. Report of the chief, 1951/52. Washington,1952. 8 p. 1 Ex6A

30510 WEST VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Science serves your farm. W. Va. Agr Expt. Sta. B. 357(1),8 p. Sept.1952. 100 W52

STATISTICS

30511 ERROUX, J. Remarques sur l'organisation et la realisation des essais comparaties; interpretation des resultats. n.p.,1951. 54 p. 251 Er7
Agricultural

30512 MCINTYRE, G. A. A method for unbiased selective sampling, using ranked sets. Austral. J. Agr. Res. 3:385-390. Oct.1952. 23 Au783

30513 SUKHATME, P. V. El método de muestreo al azar para mejorar las estadisticas agricolas. Rev. Sind. de Estadis. 7(27):66-70. Third Q.1952. 263 Es8B

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Handbooks

U. S. PRODUCTION AND MARKETING ADMIN. Manual for testing agricultural and vegetable seeds. U. S. D. A. Agr. Handb. 30,440 p. Ref. 1952. 1 Ag84Ah
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.
Supersedes Miscellaneous Publication 437, Testing farm seeds in home and school, by A. F. Musil.

U. S. EXTENSION SERV. Making radio work for you; a handbook for extension agents. U. S. D. A. Agr. Handb. 42,24 p. Aug.1952. 1 Ag84Ah

STAGE, H. H., GJULLIN, C. M., and YATES, W. W. Mosquitoes of the Northwestern States. U. S. D. A. Agr. Handb. 46,95 p. Ref.,p.87-95. Nov.1952. 1 Ag84Ah

Agricultural Information Bulletins

SOWDER, A. M. Christmas trees, the tradition and the trade. U. S. D. A. Agr. Inform. B. 94,22 p. 1952. 1 Ag84Ab

GEE, C. W. The soil that went to town. U. S. D. A. Agr. Inform. B. 95,20 p. Nov.1952. 1 Ag84Ab

HOWARD, M. S., WOOLRICH, A., and HOLMES, E. G. Housing needs and preferences of farm families; a comparison of data from studies in four regions. U. S. D. A. Agr. Inform. B. 96,63 p. Ref. Dec.1952. 1 Ag84Ab

Agricultural Monographs

U. S. DEPT. OF AGRICULTURE. Technology in food marketing; a survey of developments and trends in the processing and distribution of farm-produced foods, 1930-50. U. S. D. A. Agr. Monog. 14,115 p. Ref. Oct.1952. 1 Ag84Am

SMITH, N. R., GORDON, R. E., and CLARK, F. E. Aerobic sporeforming bacteria. U. S. D. A. Agr. Monog. 16,148 p. Ref. Nov.1952. 1 Ag84Am

Bibliographical Bulletins

DAYTON, W. A. United States tree books; a bibliography of tree identification. U. S. D. A. Bibliog. B. 20,32 p. Aug.1952. 1 Ag84Bi

Circulars

PARKER, K. W., and MARTIN, S. C. The mesquite problem on southern Arizona ranges. U. S. D. A. C. 908,70 p. Ref. Oct.1952. 1 Ag84C

DAVIDSON, R. D. Federal and State rural lands, 1950, with special reference to grazing. U. S. D. A. C. 909,100 p. Ref. May 1952. 1 Ag84C

LASSEN, L., LULL, H. W., and FRANK, B. Some plant-soil-water relations in watershed management. U. S. D. A. C. 910,64 p. Ref. Oct.1952. 1 Ag84C

KAHLENBERG, O. J., and others. A study of the washing and storage of dirty shell eggs. U. S. D. A. C. 911,32 p. Ref. Oct.1952. 1 Ag84C
J. M. Gorman, H. E. Goresline, M. A. Howe, and E. R. Baush, joint authors.

Farmers' Bulletins

KEMPER, H. E., and PETERSON, H. O. Hog lice and hog mange; methods of control and eradication. U. S. D. A. Farmers' B. 1085,rev.,22 p. Nov.1952. 1 Ag84F

HOSTERMAN, W. H. High-grade timothy and clover hay: methods of producing, baling, and loading for market. U. S. Dept. Agr. Farmers' B. 1770,rev.,17 p. Nov.1952. 1 Ag84F

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Turkey on the table the year round. U. S. D. A. Farmers' B. 2011,slightly rev.,21 p. Dec.1952. 1 Ag84F
U. S. Bureau of Animal Industry and U. S. Production and Marketing Administration cooperating.

JONES, L. A. Farm drainage. U. S. D. A. Farmers' B. 2046,37 p. Oct.1952. 1 Ag84F
Supersedes Farmers' Bulletin 1606.

SUTTON, J. G. Maintaining drainage systems. U. S. D. A. Farmers' B. 2047,30 p. Oct.1952. 1 Ag84F

CHRISTIE, J. R., and TAYLOR, A. L. Controlling nematodes in the home garden. U. S. D. A. Farmers' B. 2048,11 p. Sept.1952. 1 Ag84F

BLEW, J. O., JR., and CHAMPION, F. J. Preservative treatment of fence posts and farm timbers. U. S. D. A. Farmers' B. 2049,33 p. Sept.1952. 1 Ag84F
Supersedes Farmers' Bulletin 744.

GORHAM, J. R., and GRIFFITHS, H. J. Diseases and parasites of minks. U. S. D. A. Farmers' B. 2050,41 p. Nov.1952. 1 Ag84F

BOSWELL, V. H., DOOLITTLE, S. P., and PULTZ, L. M. Pepper production, disease and insect control. U. S. D. A. Farmers' B. 2051,30 p. Nov.1952. 1 Ag84F
Supersedes Leaflet 140.

U. S. BUR. OF ANIMAL INDUSTRY. Better feeding of livestock. U. S. D. A. Farmers' B. 2052,61 p. Aug.1952. 1 Ag84F
U. S. Bureau of Dairy Industry cooperating.
Revision of and supersedes Miscellaneous Circular 12.

WEIMER, J. L. Diseases of cultivated lupins in the Southeast. U. S. D. A. Farmers' B. 2053,18 p. Oct. 1952. 1 Ag84F

Home and Garden Bulletins

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Your farmhouse: planning the bathroom. U. S. D. A. Home & Gard. B. 19,16 p. Oct.1952. 1 Ag84Hg
Revision of Miscellaneous Publication 638.

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Your farmhouse: cutouts to help in planning. U. S. D. A. Home & Gard. B. 22, 55 p. Dec.1952. 1 Ag84Hg
U. S. Bureau of Human Nutrition and Home Economics and U. S. Extension Service cooperating.
Revision of Miscellaneous Publication 622.

IAFS

U. S. DEPT. OF AGRICULTURE. Grain is food—keep it clean. U. S. D. A. IAFS-2,4 p. n.d. 1 Ag84IA
U. S. Federal Security Agency and U. S. Department of the Interior cooperating.

U. S. DEPT. OF AGRICULTURE. Grain is food—keep it clean! U. S. D. A. IAFS-3,4 p. n.d. 1 Ag84IA
U. S. Federal Security Agency and U. S. Department of the Interior cooperating.

U. S. DEPT. OF AGRICULTURE. Grain is food—keep it clean! Protect your grain from rodents, insects, birds. U. S. D. A. IAFS-4,4 p. n.d. 1 Ag84IA
U. S. Federal Security Agency and U. S. Department of the Interior cooperating.

Leaflets

BEATTIE, W. R. Production of turnips and rutabagas. U. S. D. A. L. 142,rev.,4 p. Sept.1952. 1 Ag84L

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The home fruit garden in the Northeastern and North Central States. U. S. D. A. L. 227,rev.,8 p. 1952. 1 Ag84L

SWICKARD, M. T. Dry beans, peas, lentils; modern cookery. U. S. D. A. L. 326,24 p. 1952. 1 Ag84L Supersedes AWI-47.

O'NEAL, A. M., and KLINGEBIEL, A. A. Your soil, crumbly or cloddy? U. S. D. A. L. 328,8 p. Aug.1952. 1 Ag84L

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Drying shelled corn and small grain with unheated air. U. S. D. A. L. 332, 10 p. Sept.1952. 1 Ag84L

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Drying ear corn with heated air. U. S. D. A. L. 333,16 p. Sept.1952. 1 Ag84L

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Drying ear corn with unheated air. U. S. D. A. L. 334,16 p. Sept.1952. 1 Ag84L

Marketing Research Reports

ARONOW, W. A., and BRYAN, J. E. Prepackaging tomatoes. U. S. D. A. Mktg. Res. Rpt. 20,58 p. Oct.1952. 1 Ag84Mr

PAULI, H., and HOECKER, R. W. Better utilization of selling space in food stores. I. Relation of size of shelf display to sales of canned fruits and vegetables. U. S. Dept. Agr. Mktg. Res. Rpt. 30,29 p. Nov. 1952. 1 Ag84Mr

Miscellaneous Publications

U. S. BUR. OF ANIMAL INDUSTRY. The National Poultry Improvement Plan. U. S. D. A. Misc. P. 300,rev.,39 p. Oct.1952. 1 Ag84M

U. S. BUR. OF ANIMAL INDUSTRY. The National Turkey Improvement Plan. U. S. D. A. Misc. P. 555,rev.,37 p. Oct.1952. 1 Ag84M

Program Aid

U. S. PRODUCTION AND MARKETING ADMIN. Know the poultry you buy. U. S. D. A. PA-170,8 p.-folder. Nov.1952. 1 Ag84Pro

MILLER, A. E., and DWYER, C. H. Improved management of irrigated pastures pay dividends. U. S. D. A. PA-205,8 p. Sept.1952. 1 Ag84Pro

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Titles of completed theses in home economics and related fields in colleges and universities of the United States, 1951-52. U. S. D. A. PA-207,60 p. Oct. 1952. 1 Ag84Pro
U. S. Office of Education, Home Economics Service cooperating.

SCHLOSSER, G., and CHAPMAN, V. Recipes for quantity service. U. S. D. A. PA-212,31 p. Sept.1952. 1 Ag84Pro

Puerto Rico Agricultural Experiment Station

WINTERS, H. F. Some large-leaved ornamental plants for the Tropics. P. R. (Mayaguez) Fed. Expt. Sta. C. 35,92 p. Ref. Oct.1952. 1 Ex65

Statistical Bulletins

U. S. PRODUCTION AND MARKETING ADMIN. Dairy and poultry market statistics, 1951; annual summary. U. S. D. A. Statis. B. 116,114 p. Sept.1952. 1 Ag84St

U. S. PRODUCTION AND MARKETING ADMIN. Livestock market news statistics and related data, 1951. U. S. D. A. Statis. B. 118,61 p. Nov.1952. 1 Ag84St

Technical Bulletins

LEVINE, M. N., and CHEREWICK, W. J. Studies on dwarf leaf rust of barley. U. S. D. A. Tech. B. 1056,17 p. Ref. Sept.1952. 1 Ag84Te
Puccinia hordei.

HOWELL, L. D. Marketing and manufacturing services and margins for textiles. U. S. D. A. Tech. B. 1062,295 p. Ref.,p.290-295. Sept.1952. 1 Ag84Te
Supersedes Technical Bulletin 891.

WAGNER, R. E. Yields and botanical composition of four grass-legume mixtures under differential cutting. U. S. D. A. Tech. B. 1063,53 p. Ref.,p.49-53. Oct.1952. 1 Ag84Te

Unnumbered Publications

U. S. BUR. OF AGRICULTURAL ECONOMICS. Crops and markets, volume 29. Washington,1952. 128 p. 1 Ag84Wcm

U. S. DEPT. OF AGRICULTURE. 1953 production goals program; spring vegetables. Washington,1952. 33 p. 1.90 A2On22

U. S. DEPT. OF AGRICULTURE. 1953 production goals program; winter vegetables. Washington,1952. 22 p. 1.90 A2P9442

U. S. DEPT. OF AGRICULTURE. Partial list of U. S. Department of Agriculture publications relating to frozen food marketing. Washington,1952. 1 p. 1.90 A2P25

U. S. DEPT. OF AGRICULTURE. Production goals program; suggestions to States and counties for use in work on grassland goals. Washington?1952. 21 p. 1.90 A2P9443

U. S. DEPT. OF AGRICULTURE. NATIONAL AGRICULTURAL MOBILIZATION COMMITTEE. Estimate of use of grass and legume seeds, 1951, 1953, and 1958. Washington,1952. 29 p. 1.91 C2N213E

WATSON, E. S. Observations on a rural family living study in York County, South Carolina. Washington, U. S. Dept. Agr.,1952. 6 p. 1.90 C2Ou8
Talk at Annual Agricultural Outlook Conference, Washington, D. C., Oct. 22, 1952.

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

ESKEY, R. K., and others. High-density full flavor grape juice concentrate. U. S. Bur. Agr. & Indus. Chem. AIC-342,15 p. Sept.1952. 1.932 A2Ag82
C. S. Redfield, N. H. Eisenhardt, J. B. Claffey, and N. C. Aceto, joint authors.

JEANES, A. Dextran, a selected bibliography. U. S. Bur. Agr. & Indus. Chem. AIC-288,rev.,42 p. June 1952. 1.932 A2Ag82

U. S. BUR. OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY. Facts about the Naval Stores Station. U. S. Bur. Agr. & Indus. Chem. AIC-345,4 p. Oct. 1952. 1.932 A2Ag82

U. S. NORTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents. U. S. Agr. & Indus. Chem. AIC-318(sup.2),15 p. Aug.27,1952. 1.932 A2Ag82

U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. Cottonseed Processing Clinic, April 14-15, 1952. New Orleans,1952. 59 p. 1.9321 S2C82

AGRICULTURAL ECONOMICS, BUREAU OF

ARMSTRONG, M. M. Citrus prices. U. S. Bur. Agr. Econ. Agr. Prices Sup. 3,88 p. Nov.1952. 1.942 A8M58

DIXON, H. M. New developments in marketing programs. Washington,U. S. Ext. Serv.,1952. 4 p. 1.913 E2D64
Presented at the Extension Marketing Conference, Logan, Utah, Sept. 29, 1952.

GERSHBEN, S. The outlook for oilseeds, fats, and oils in 1952-53. Washington,U. S. Bur. Agr. Econ., 1952. 3 p. 1.90 C2Ou8
Statement at Annual Agricultural Outlook Conference, Washington, D. C., Oct. 23, 1952.

JENNINGS, R. D. Economic considerations in use of urea for feeding beef and dairy cattle. U. S. Bur. Agr. Econ. F. M. 98,14 p. Sept.1952. 1.941 L6F22

JENNINGS, R. D. A look at the protein situation for livestock in 1952. U. S. Bur. Agr. Econ. F. M. 97,15 p. Sept.1952. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Acreage, yield, and production of principal crops, by States, with comparisons; 1952 annual summary. Washington,1952. 96 p. 1.9 St2C6

U. S. BUR. OF AGRICULTURAL ECONOMICS. Austrian winter peas. Boise,Idaho,1952. 1 p. 1.941 S2F45

U. S. BUR. OF AGRICULTURAL ECONOMICS. Chickens and eggs; monthly egg production, young chickens and layers on farms, and rate of lay, by States and geographic divisions, 1945-50. Revised estimates, by E. S. Kimball, P. W. Smith, and R. F. Moore. Washington,1952. 47 p. 1.941 H2P867

U. S. BUR. OF AGRICULTURAL ECONOMICS. Citrus fruits; production, farm disposition, value, and utilization of sales, crop seasons, 1944-45—1949-50. Washington,1952. 7 p. 1.941 H8C49

U. S. BUR. OF AGRICULTURAL ECONOMICS. Citrus fruits; production, farm disposition, value, and utilization of sales, crop seasons 1950-51 and 1951-52. Washington,1952. 7 p. 1.941 H8C49

U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer buying practices for selected fresh fruits, canned and frozen juices, and dried fruits, related to family characteristics, region, and city size, October 1951 - March 1952. Washington,1952. 46 p. 1.941 M8C76

U. S. Production and Marketing Administration cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer fruit and juice purchases, July-Sept. 1952, by regions and type of retail outlet. Washington,1952. 61 p. 1.941 M3R26

U. S. Production and Marketing Administration cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer purchases of fruits and juices in October 1952. Washington,1952. 16 p. 1.941 M3C762

U. S. Production and Marketing Administration cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Discrimination tests and preliminary preference ratings of frozen concentrates for lemonade. Washington,1952. 20 p. 1.941 H2L54

U. S. BUR. OF AGRICULTURAL ECONOMICS. The farm cost situation. U. S. Bur. Agr. Econ. FCS-13, 28 p. Oct.1952. 1.941 F8F222

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm costs and returns, 1951, with comparisons; 20 types of commercial family-operated farms in 10 major farming regions. U. S. Bur. Agr. Econ. F. M. 93,27 p. June 1952. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Grapefruit, lemons, and limes: season average price per box received by growers, by utilization groups and by methods of sale, by States, crop years, 1950-51 and 1951-52. U. S. Bur. Agr. Econ. Agr. Prices Sup. 2,4 p. Oct. 1952. 1.942 A8M58

U. S. BUR. OF AGRICULTURAL ECONOMICS. The hired farm working force of 1951, with special information on regular workers in 1950, by L. J. Ducoff and E. M. Birch. Washington,1952. 18 p. 1.941 R3H612

U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho wheat by counties, 1950 crop. Boise,Idaho,1952. 2 p. 1.941 S8W563

U. S. BUR. OF AGRICULTURAL ECONOMICS. Semi-annual naval stores report, April 1 - September 30, 1952; production, distribution, consumption and stocks of turpentine and rosin and production and stocks of miscellaneous naval stores for the United States. Washington, 1952. 7 p. 1.941 S8N22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Statistics relative to the dairy industry in New York State, 1951. Albany,1952. 91 p. 1.941 S8St2

New York State Department of Agriculture and Markets cooperating.

WHITE, H. R. Population trends. Washington, U. S. Bur. Agr. Econ.,1952. 9 p. 1.90 C2Ou8

Address at the Annual Agricultural Outlook Conference, Washington, D. C., Oct. 22, 1952.

AGRICULTURAL RESEARCH ADMINISTRATION

PATTON, E. L. Turpentine farmers gain from new system for evaluating pine gum. U. S. Agr. Res. Admin. Res. Achvt. Sheet 154(C),2 p. Oct.1952. 1.98 R31

SHAW, B. T. Partners in a big job. Washington,U. S. Agr. Res. Admin.,1952. 8 p. 1.98 Sh2

Talk before Maryland Agricultural Teachers' Conference, Baltimore, Oct. 17, 1952.

SHAW, B. T. The role of research in meeting future agricultural requirements. Washington,U. S. Agr. Res. Admin.,1952. 31 p. 1.98 Sh2

Paper presented on the general program of the annual meeting of the American Society of Agronomy, Cincinnati, Nov. 18, 1952.

U. S. AGRICULTURAL RESEARCH ADMIN. Introduction to report of the administrator, 1951/52. Washington,1952. 22 p. 1.98 R29

U. S. AGRICULTURAL RESEARCH ADMIN. List of Research achievement sheets. Washington?1952. 3 p. 1.98 R317

ANIMAL INDUSTRY, BUREAU OF

KUTTLER, A. K. Federal-State cooperative tuberculosis eradication project. Washington,U. S. Bur. Anim. Indus.,1952. 4 p. 1.972 A2K96

Presented at meeting of the United States Livestock Sanitary Association on Oct.29-31, at Louisville, Ky.

NATIONAL PLANS CONFERENCE. Report, June 10-13, 1952 in Dallas, Texas. Washington,U. S. Bur. Anim. Indus.,1952. 31 p. 1.972 A3R295

U. S. BUR. OF ANIMAL INDUSTRY. Importation of game, trophies, etc. from Canada. Washington? 1952. 2 p. 1.972 A2Im72

U. S. BUR. OF ANIMAL INDUSTRY. Program for employment of veterinary trainees. Washington,1952. 4 p. 1.972 A2P945

WINTER, A. Report on brucellosis eradication project. Washington,U. S. Bur. Anim. Indus.,1952. 4 p. 1.972 A2W73

Presented at annual meeting of the United States Sanitary Association, Oct. 28-31, 1952, at Louisville, Ky.

COMMODITY CREDIT CORPORATION

U. S. COMMODITY CREDIT CORPORATION. Charts, providing a graphic summary of operations, 1933–June 30, 1952. Washington,1952. 62 p. 1.957 C38

U. S. COMMODITY CREDIT CORPORATION. Report, 1951/52. Washington,1952. 17 p. 1 C731

COMMODITY EXCHANGE AUTHORITY

U. S. COMMODITY EXCHANGE AUTHORITY. Commodity Exchange Act as amended. Rules and regulations of the Secretary of Agriculture promulgated thereunder. Orders of Commodity Exchange Commission pursuant to section 4a, and order of Secretary of Agriculture pursuant to section 5a(4), of act. Rev. to Aug. 13, 1952. Washington,1952. 95 p. 1 C73C

U. S. COMMODITY EXCHANGE AUTHORITY. Report, 1951/52. Washington,1952. 24 p. 1 C73Rea

DAIRY INDUSTRY, BUREAU OF

HODGSON, R. E. The cow, grass, and milk. U. S. Bur. Dairy Indus. BDI-Inf-143,15 p. Nov.1952. 1.973 D4B34

U. S. BUR. OF DAIRY INDUSTRY. Report, 1951/52. Washington,1952. 30 p. 1 D14

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

CALLAHAM, R. Z., and MILLER, J. M. A frameless insect cage for use on trees. U. S. Bur. Ent. & Plant Quar. ET-304,4 p. Sept.1952. 1.9 En83Et

HALL, D. G. Public relations in entomology. Washington,U. S. Bur. Ent. & Plant Quar.,1952. 6 p. 1.967 A2H142

Part III of an invitational panel discussion delivered before a joint session of the American Association of Economic Entomologists and the Entomological Society of America, Dec. 15, 1952, Philadelphia.

NELSON, H. D., and FISHER, C. K. Control of insects that attack dried beans and peas in storage. U. S. Bur. Ent. & Plant Quar. EC-27,12 p. Dec.1952. 1.967 A2Ec1

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant-quarantine import restrictions of the Kingdom of Belgium. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-437,rev.,11 p. Sept.24,1952. 1.9 F73

EXPERIMENT STATIONS, OFFICE OF

PUERTO RICO. FEDERAL EXPERIMENT STATION. Report of the Federal Experiment Station in Puerto Rico, 1952. Mayaguez,1952. 24 p. 1 Ex65

TRULLINGER, R. W. Cooperative responsibilities in agricultural research. Washington,U. S. Off. Expt. Sta.,1952. 10 p. 1.912 T76
Outline of remarks before a dinner meeting of the Farm Equipment Institute and agricultural research leaders, Dec. 16, 1952, at Chicago.

U. S. OFF. OF EXPERIMENT STATIONS. Report of the chief, 1951/52. Washington,1952. 8 p. 1 Ex6A

EXTENSION SERVICE

BRADT, C. G. Public livestock health programs, 1951; a study of Extension Service programs and activities as promoted in the various States in cooperation with other agencies, Federal, State, and local. Washington,U. S. Ext. Serv.,1952. 23 p. 1.913 A4P96
New York (Cornell) State College of Agriculture and U. S. Bureau of Animal Industry cooperating.

CRILE, L., comp. Selected bibliography on the origin and development of the farmers' cooperative demonstration work. U. S. Ext. Serv. Ext. Serv. C. 484,15 p. Nov.1952. 1.9 Ex892Esc

EXTENSION SUBCOMMITTEE ON 4-H CLUB WORK. Summary, important discussions and action taken on 4-H Club work at the meetings of the Extension Subcommittee on 4-H Club Work of Committee on Extension Organization and Policy of the American Association of Land Grant Colleges and Universities. Washington, U. S. Ext. Serv.,1952. 21 p. 1.913 F3Im7

4-H CLUB HOME IMPROVEMENT CONFERENCE, CHICAGO, 1952. A look at 4-H Club work in home improvement; a report of 4-H Club Home Improvement Conference, Chicago, Ill., March 10-12, 1952. Washington,U. S. Ext. Serv.,1952. 38 p. 1.913 C3F822

SHELLEY, O. R. Financing marketing cooperatives. Washington,U. S. Ext. Serv.,1952. 7 p. 1.913 E2F49
Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

U. S. EXTENSION SERV. Grasslands program. Washington?n.d. 5 p. 1.913 I2G76

U. S. EXTENSION SERV. Program of Fifth Regional 4-H Club Camp, Tuskegee Institute, Tuskegee, Alabama, June 24-July 1, 1952. Washington?1952. 36 p. 1.913 F3R26

U. S. EXTENSION SERV. Rural family living outlook "send-for" list. Washington,1952. 3 p. 1.913 R2R882

WILSON, M. L. Development and influence of extension service abroad. Washington,U. S. Ext. Serv., 1952. 10 p. 1.913 A2W69
Address before meeting of the National Home Demonstration Council, Raleigh, Oct. 29, 1952.

WILSON, M. L. Forward planning in the cooperative extension service. Washington,U. S. Ext. Serv.,1952. 6 p. 1.913 A2W69
Address at the Extension Section with Home Economics Section, annual meeting of the Association of Land-Grant Colleges and Universities, Washington, D. C., Nov. 10, 1952.

FARM CREDIT ADMINISTRATION

COWDEN, J. M. Farm-to-plant milk hauling practices of dairy cooperatives. U. S. Farm Credit Admin. B. 69,63 p. Ref. May 1952. 166.2 B87

EASTWOOD, R. A., and SCANLAN, J. J. Operating costs of 15 cooperative poultry dressing plants. U. S. Farm Credit Admin. B. 70,73 p. June 1952. 166.2 B87

GRAB, E. G., HURST, W. M., and SCROGGS, C. L. Cooperative fertilizer plants. U. S. Farm Credit Admin. C. C-145,30 p. May 1952. 166.2 C4923

KIGER, H. C. Grower attitudes toward marketing tobacco cooperatively. U. S. Farm Credit Admin. C. C-144,54 p. May 1952. 166.2 C4923

KIGER, H. C. Selected industry-wide fruit marketing programs. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 167,54 p. May 1952. 166.3 M68

RANDELL, C. G. Using your livestock co-op. U. S. Farm Credit Admin. C. E-7,rev.,17 p. 1952. 166.2 C4926

WAAS, G. J. Recent Federal income tax changes affecting cooperatives. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 156(sup.2), 4 p. Nov.8,1952. 166.3 M68

FARMERS HOME ADMINISTRATION

U. S. FARMERS HOME ADMIN. Control livestock pests for more meat, milk, eggs and fiber. U. S. Farmers Home Admin. Farm Mangt. Notes 22,4 p. June 12,1952. 1.949 F2228

U. S. FARMERS HOME ADMIN. Report, 1951/52; successful farming through supervised credit. Washington,1952. 40 p. 1.949 R293

U. S. FARMERS HOME ADMIN. Save grain by destroying rats and mice. U. S. Farmers Home Admin. Farm Mangt. Notes 23,3 p. June 20,1952. 1.949 F2228

U. S. FARMERS HOME ADMIN. Save grain through good pasture. U. S. Farmers Home Admin. Farm Mangt. Notes 24,4 p. June 28,1952. 1.949 F2228

FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. Report, 1951/52. Washington,1952. 45 p. 1 C88R

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

FARNWORTH, C. H. The agriculture of Uruguay. U. S. D. A. Foreign Agr. B. 3,133 p. Ref. Aug. 1952. 1 F752F

HAGGERTY, J. J. The Minnesota farmers' stake in foreign agricultural relations. Washington,U. S. Off. Foreign Relat.,1952. 12 p. 1.943 H12
Summary of remarks before the Minnesota State Farmers' Union Convention, St. Paul, Nov. 10, 1952.

HAGGERTY, J. J. The outlook for U. S agricultural exports. Washington,U. S. Off. Foreign Agr. Relat.,1952. 7 p. 1.90 C2Ou8
Presented at the Annual Agricultural Outlook Conference, Washington, D. C., Oct. 20, 1952.

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Fact sheet on coffee; production and consumption. Washington?1952. 8 p. 1.943 F1184

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Foreign agricultural situation charts and maps. Washington,1952. 61 p. 1.943 F7623

FOREST SERVICE

BOYCE, J. S. Loblolly pine [Pinus taeda] needle blight caused by the brown-spot fungus. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 11,1 p. July 1952. 1.9622 S4R312

BYRAM, G. M., and NELSON, R. M. Lethal temperatures and fire injury. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 1,2 p. Jan.1952. 1.9622 S4R312

CHAIKEN, L. E. Annual summer fires kill hardwood root stocks. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 19,1 p. Oct.1952. 1.9622 S4R312

CHAIKEN, L. E. Extent of loss of loblolly pine [Pinus taeda] seed in winter fires. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 21,2 p. Oct.1952. 1.9622 S4R312

CRUIKSHANK, J. W. Pulpwood production in the Southeast increases nearly 300 percent from 1939-1951. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 13,2 p. July 1952. 1.9622 S4R312

CRUIKSHANK, J. W. Rates of net annual growth in board feet applicable to large forested areas in Florida. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 7,2 p. Apr.1952. 1.9622 S4R312

CRUIKSHANK, J. W. Rates of net annual growth in cords applicable to large forested areas in Florida. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 6,2 p. Apr.1952. 1.9622 S4R312

CRUIKSHANK, J. W. 10-year diameter growth of selected tree species in south Georgia. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 20,1 p. Oct. 1952. 1.9622 S4R312

GERRY, E., and KRYN, J. M. Espavé, espavel caracoli, quina. Anacardium excelsum (Bert. & Balb.) Skeels (= Rhinocarpus excelsa Bert. & Balb. = Anacardium Rhinocarpus D.C.), family: Anacardiaceae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1932,6 p. Ref. 1952. 1.9 F761R

HAWLEY, N. R. Rapid growth rates of longleaf-slash pine saw timber in the Middle Coastal Plain of Georgia. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 17,2 p. Oct.1952. 1.9622 S4R312

HUTCHISON, S. B., and KEMP, P. D. Forest resources of Montana. U. S. Forest Serv. Forest Resource Rpt. 5,76 p. Ref. 1952. 1 F76Frr

LIMSTROM, G. A. Effects of grading strip-mined lands on the early survival and growth of planted trees. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 130,35 p. Ref. Nov.1952. 1.9622 C3T222

LINDENMUTH, A. W. A better measuring tape for many woods uses. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 9,1 p. Apr.1952. 1.9622 S4R312

LINDENMUTH, A. W., and KEETCH, J. J. Fire prevention efforts pay off in the Northeast. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 12,2 p. July 1952. 1.9622 S4R312

METZ, L. J. Calcium content of hardwood litter four times that from pine; nitrogen double. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 14,2 p. July 1952. 1.9622 S4R312

MINCKLER, L. S. Early growth of managed upland hardwood forests in southern Illinois. U. S. Forest Serv. Cent. States Forest Expt. Sta. Notes 72,2 p. Dec.1952. 1.9 F76252S

MONK, R. W., and STEWART, G. Seasonal variations of crude protein and phosphorus in four range plants used for reseeding. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Note 1,5 p. Sept.1951. 1.9622 I2R312

MORAVETS, F. L. Forest statistics for Cowlitz County, Washington. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Forest Survey Rpt. 105, 24 p. Aug.1952. 1.9622 P2F76

MORAVETS, F. L. Forest statistics for Wahkiakum County, Washington. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Forest Survey Rpt. 106,23 p. Oct.1952. 1.9622 P2F76

MUEGGLER, W. F. Effects of several chemicals on tall larkspur [Delphinium] and associated tailcup lupine. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Note 4,3 p. June 1952. 1.9622 I2R312

OLSON, D. F. Regeneration of south Florida slash pine [Pinus caribaea] is subject of new research. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res..Notes 18,2 p. Oct.1952. 1.9622 S4R312

TODD, A. S. Rates of net annual growth in board feet applicable to large forested areas in South Carolina. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 2,2 p. Jan.1952. 1.9622 S4R312

TROUSDELL, K. B. Bumper loblolly cone crop forecast for Virginia-North Carolina area in 1953. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 16,2 p. Oct.1952. 1.9622 S4R312

TROUSDELL, K. B. Loblolly pine [Pinus taeda] seed-trees removed with minor damage to seedling stand. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 8,2 p. Apr.1952. 1.9622 S4R312

U. S. FOREST SERV. Forest influences publications, 1939-1952, by personnel of the Forest Service, U. S. Dept. of Agriculture, by H. F. Morey and H. C. Fletcher, supplemented by T. G. Storey. Washington,1952 31 p. 1.962 F5D35

U. S. FOREST SERV. Forest insects and diseases; a conservation teaching aid. Washington,1952. 8 p. 1.962 A2F645

U. S. FOREST SERV. National forest areas. Washington,1952. 16 p. 1 F765

U. S. FOREST SERV. 1952 seed dealers' list; a directory of commercial dealers in seeds and planting stock for some common trees and shrubs. Washington? 1952. 15 p. 1.962 A2Se3

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Rogue River National Forest. Washington,1952. map. 1 F769Roq
Illustrations and text on back of map.

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. 1952 cutting record, farm forestry compartment 51—Crossett Experimental Forest. New Orleans,1952. 6 p. 1.9622 S2On2

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. 1952 cutting record, "poor" farm forestry compartment 56—Crossett Experimental Forest. New Orleans,1952. 3 p. 1.9622 S2On22

WILSON, A. K. Rodent damage in ponderosa pine plantations. U. S. Forest Serv. Intermountain Forest & Range Expt. Sta. Res. Note 3,2 p. May 1952. 1.9622 I2R312

WRIGHT, J. W. A directory of forest genetics research in the United States and Canada. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 53,10 p. 1952. 1.9622 N2St22

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Family size and income and expenditure in current dollars and index of real value. Washington,1952. 1 p. 1.982 A2F213

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Report, 1951/52. Washington,1952. 17 p. 1 H75

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Slidefilms on home economics subjects. Washington?1952. 3 p. 1.982 A2SL3
U. S. Extension Service cooperating.

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The agricultural outlook for 1953, by B. Allin, F. V. Waugh, B. Crom, and J. Towers. Washington,Oct.25,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Origin, structure, and functions of the U. S. Department of Agriculture. Rev. Washington,1952. 25 p. (Document 1) 1.914 A2Or4

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Rural telephone service up-to-date, by R. Shepperd, A. Dell, and J. Towers. Washington,Oct.4, 1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. What's ahead for farmers in '53. I., by S. E. Johnson, B. W. Allin, R. Roberts, and K. M. Gapen. Washington,Dec.27,1952. 3 p. 1.914 R2R11

PERSONNEL, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Report, 1951/52. Washington,1952. 15 p. 1 P432

PLANT AND OPERATIONS, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF PLANT AND OPERATIONS. Report, 1951/52. Washington,1952. 14 p. 1 Op2

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

HARVEY, E. M., and others. Transportation test with lemons and oranges in half-box size fiber board cartons from southern California to New York, July 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Rpt. 281,50 p. Sept.1952. 1.9 P772HT
E. P. Atrops, W. A. Radspinner, and H. W. Hruschka, joint authors.

MOSEMAN, A. H. New foundations for tomorrow's agriculture. Washington,U. S. Bur. Plant Indus., Soils & Agr. Engin.,1952. 17 p. 1.965 A2M85
Talk before the National Fertilizer Association meeting in Miami, Fla., Nov. 21, 1952.

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Report of observations on dryland grazing alfalfas, 1951, compiled by O. S. Aamodt. Beltsville,Md.,1952. 25 p. 1.965 F2R293

U. S. REGIONAL SALINITY AND RUBIDOUX LABORATORIES. List of publications. Riverside,Calif., 1952. 11 p. 1.965 A2L693

WEISS, F., and O'BRIEN, M. J., comp. Index of plant diseases in the United States. IV. Guttiferae—Phytolaccaceae. U. S. Bur. Plant Indus., Soils & Agr. Engin. Plant Dis. Survey. Spec. P. 1(4):529-806. June 15, 1952. 1.965 M2Sp3

WINSTON, J. R., and KAUFMAN, J. Rail refrigeration tests with Florida citrus: a comparison of refrigerator cars. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 282,14 p. Oct.1952. 1.9 P772Ht

WINSTON, J. R., and others. Rail refrigeration tests with Florida citrus, May 1951. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 280,44 p. Sept.1952. 1.9 P772Ht

R. Cubbedge, H. W. Hruschka, and G. A. Meckstroth, joint authors.

PRODUCTION AND MARKETING ADMINISTRATION

CROW, W. C. The new wholesale produce market at Hartford, Conn. Washington,U. S. Prod. & Mktg. Admin.,1952. 2 p. 1.956 M34C88

Comments on the opening of the market, Nov. 16, 1952.

MONTANA STATE PMA COMMITTEE. 1951 annual report, Montana PMA, ACP, and related programs. Bozeman,1952? 65 p. 1.42 W52An

Similar reports for Idaho, North Carolina, South Dakota, Oregon, and Washington.

PRICHARD, G. L. Outlook for flaxseed and linseed oil, 1953. Washington,U. S. Prod. & Mktg. Admin., 1952. 8 p. 1.956 F26P93

Address at meeting of the Flax Institute of the United States, Minneapolis, Nov. 7, 1952.

U. S. PRODUCTION AND MARKETING ADMIN. Agricultural Conservation Program, California; handbook for 1953. Washington,1952. 40 p. 1.42 Ad4Acb

Also programs for other States.

U. S. PRODUCTION AND MARKETING ADMIN. Approximate processing seasons for locally grown vegetables. Washington,1952. 4 p. 1.956 F94Ap6

U. S. PRODUCTION AND MARKETING ADMIN. Cold storage stocks of tree nuts, June 30, 1952. Rev. Washington,1952. 1 p. 1.956 T68C67

U. S. PRODUCTION AND MARKETING ADMIN. Fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1952 (supplement No. 1). Washington,1952. 13 p. 1.9422 C8R3

U. S. PRODUCTION AND MARKETING ADMIN. Fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1952 (supplement No. 2). Washington,1952. 17 p. 1.9422 C8R3

U. S. PRODUCTION AND MARKETING ADMIN. Fruits and juices availability in retail stores, August 1952. Washington,1952. 30 p. 1.956 F94Av1

U. S. PRODUCTION AND MARKETING ADMIN. Honey. Washington,1952. 2 p. 1.956 A2H756

U. S. PRODUCTION AND MARKETING ADMIN. How Federal milk marketing orders are developed and amended, by A. Swantz. Washington,1952. 13 p. 1.956 D14H83

Slight revision of a chapter from Marketing Research Report, No. 11 (1 Ag84Mr).

U. S. PRODUCTION AND MARKETING ADMIN. List of plants approved under the poultry inspection and grading program. Washington,1952. 25 p. 1.956 P86L692

U. S. PRODUCTION AND MARKETING ADMIN. List of plants operating under the poultry and poultry products inspection and grading programs. Washington, 1952. 44 p. 1.956 P86L692

U. S. PRODUCTION AND MARKETING ADMIN. Official United States standards for grades of pork carcasses, barrow and gilt (Title 7, ch.I, pt. 53, sections 53. 140-53.143 of the Code of Federal Regulations). U. S. Prod. & Mktg. Admin. S.R.A.-P.M.A. 171,4 p. Sept.1952. 1 M34S

U. S. PRODUCTION AND MARKETING ADMIN Purchases and dispositions of dairy products by U. S. Department of Agriculture, January - September 1952 and summary of purchases and sales of dairy products acquired under price support programs, January 1949 - September 1952. Washington,1952. 9 p. 1.956 A2P973

U. S. PRODUCTION AND MARKETING ADMIN. The relation between locker plants and home freezers in the distribution of frozen foods in Arizona. 2. Quantity buying for home-freezer storage, by B. E. Johnson and J. A. Mixon. Washington,1952. 29 p. 1.956 M343R27

Arizona University, College of Agriculture cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. Statistics of the United States honey industry. Washington,1952. 10 p. 1.956 F94St25

U. S. PRODUCTION AND MARKETING ADMIN. A survey of the capacity of refrigerated storage warehouses in the United States as of October 1, 1951. Washington,1952. 38 p. (Report 16) 1.9 Ec7Tab

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned grapefruit. Washington,1952. 13 p. 1.9 Ec792Gj

Supersede standards in effect since Jan. 1, 1943.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned whole kernel (or whole grain) corn. Washington,1952. 11 p. 1.956 A2Un348

Supersedes standards in effect since Dec. 1, 1932.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of edible sugarcane molasses. Washington,1952. 6 p. 1.956 A2Un378

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen apples. Washington,1952. 8 p. 1.9422 Fr5Ap54

Supersede standards in effect since Aug. 1, 1945.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen leafy greens (other than spinach). Washington,1952. 8 p. 1.956 A2Un377

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen lima beans. Washington,1952. 9 p. 1.942 V32L62

Supersedes standards that have been in effect since Mar. 15, 1945.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of processed raisins. Washington,1952. 15 p. 1.942 F32R13

Supersede standards in effect since Oct. 15, 1946.

VIRGINIA STATE PMA COMMITTEE. Annual report, 1950. Richmond,n.d. 57 p. 1.956 A2An76

RURAL ELECTRIFICATION ADMINISTRATION

RAUSHENBERGER, E. J. The application of internal combustion generating units in the rural electrification program. Washington,U. S. Rur. Electrif. Admin.,1952. 7 p. 1.933 R19

Presented at the Oil & Gas Power Conference of the American Society of Mechanical Engineers, Buffalo, June 26, 1952.

SHEPPERD, R. Background and objectives of new REA organization. Washington,U. S. Rur. Electrif. Admin.,1952. 5 p. 1.933 Sh4

Address at NRECA Regional Meeting, Fargo, Oct. 9, 1952; at Detroit, Oct. 20; at Little Rock. Oct. 31.

U. S. RURAL ELECTRIFICATION ADMIN. Information and equipment for electrical hay and grain drier installation; farm storage problems, by D. W. Teare. Washington,1952. 9 p. 1.933 In33

U. S. RURAL ELECTRIFICATION ADMIN. REA borrowers (electric) responsible for the audit of their accounts and the inspection of work order construction. U. S. Rur. Electrif. Admin. REA B. 109-2,69 p. Aug.1952. 1.933 R2293

U. S. RURAL ELECTRIFICATION ADMIN. Suggested minimum audit standards for certified public accountants examining the books of REA borrowers (electric). U. S. Rur. Electrif. Admin. REA B. 109-1,16 p. July 1952. 1.933 R2293

WISE, W. C. Background and objectives of new REA organization. Washington,U. S. Rur. Electrif. Admin Admin.,1952. 5 p. 1.933 W75

Address at NRECA Regional Meeting, Miami Beach, Oct. 27, 1952; at Lexington, Oct. 20.

SECRETARY, OFFICE OF

BRANNAN, C. F. Food for the long road ahead Washington,U. S. D. A., Off. Sec.,1952. 6 p. 1.91 A2B73

Talk before Association of Land-Grant Colleges and Universities, Washington, D. C., Nov. 12, 1952.

BRANNAN, C. F. Your savings account. Washington,U. S. D. A., Off. Sec.,1952. 9 p. 1.91 A2B73
Talk at convention of Future Farmers of America, Kansas City, Mo., Oct. 15, 1952.

HUTCHINSON, K. T. Toward greater farm progress. Washington,U. S. D. A., Off. Sec.,1952. 13 p. 1.91 A2H97
Talk at the Conference of Presidents of Negro Land-Grant Colleges in the United States, Washington, D. C., Oct. 22, 1952.

SOIL CONSERVATION SERVICE

BROWN, C. B. The challenge of water conservation in Texas. Washington,U. S. Soil Conserv. Serv., 1952. 7 p. 1.96 Ad6Br
Paper at annual convention of the Texas Water Conservation Association, Mineral Wells, Texas, Oct. 12-14, 1952.

BROWN, C. B. Community watershed planning. Washington,U. S. Soil Conserv. Serv.,1952. 10 p. 1.96 Ad6Br
Paper at Pocono Manor, Pa., before the Inter-State Commission on the Delaware River, Sept. 29-30, 1952.

SALTER, R. M. Conservation and improvement of soil and water resources with grass. Washington,U. S. Soil Conserv. Serv.,1952. 10 p. 1.956 A2Sa3
Paper at Sixth International Grassland Congress, State College, Pa., Aug. 19, 1952.

SALTER, R. M. The engineer's job in developing America's agricultural capacity to produce. Washington,U. S. Soil Conserv. Serv.,1952. 9 p. 1.965 A2Sa3
Talk, American Society of Agricultural Engineers' soil and water program, Centennial of Engineering Convocation, Chicago, Sept. 9, 1952.

SALTER, R. M. Maximum production from good land use. Washington,U. S. Soil Conserv. Serv., 1952. 9 p. 1.965 A2Sa3
Talk at annual Iowa-Minnesota Livestock and the Land Institute, Albert Lea, Minn., Sept. 25, 1952.

U. S. SOIL CONSERVATION SERV. Summaries of annual reports of research project supervisors for calendar year 1951. Washington,1952. 76 p. 1.96 Su6

U. S. SOIL CONSERVATION SERV. Summary, runoff and waterflow retardation and soil erosion prevention; flood control operations in authorized watersheds, cumulative to June 30, 1952. Washington,1952. 8 p. 1.96 Ad6Sr

SOLICITOR, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF THE SOLICITOR. Report for the fiscal year ended June 30, 1952. Washington,1952. 46 p. 1 So45R

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

BLACKSTONE, J. H. Alabama's egg industry; an analysis of egg production and consumption, and of marketing practices that affect Alabama's egg industry. Ala. Agr. Expt. Sta. B. 283,67 p. Oct.1952. 100 AL1S

WHITE, M. Early Irish potato production practices in southwestern Alabama. Ala. Agr. Expt. Sta. C. 109,18 p. Sept.1952. 100 AL1S

KING, D. F. Laying cages for market egg production. Ala. Agr. Expt. Sta. C. 110,30 p. Oct.1952. 100 AL1S

California Agricultural Experiment Station, Berkeley

BURLINGAME, B. B. Walnut harvesting: methods, equipment, and costs. Calif. Agr. Expt. Sta. C. 416,24 p. Sept.1952. 100 C12S

CALIFORNIA agriculture 6(11),16 p. Nov.1952. 100 C12Cag

Colorado Agricultural Experiment Station, Fort Collins

FARM and home research 3(3),10 p. Sept./Oct. 1952. 100 C712Co

Connecticut (State) Agricultural Experiment Station, New Haven

CONNECTICUT. (STATE) AGRICULTURAL EXPERIMENT STATION. Soil testing, a tool for improved soil management, by C. L. W. Swanson. New Haven,1951? 5 p. 56.4 C76

FRONTIERS of plant science 5(1),8 p. Nov. 1952. 100 F92

Connecticut (Storrs) Agricultural Experiment Station, Storrs

BROWN, B. A. Soil liming experiments. Conn. (Storrs) Agr. Expt. Sta. INF-34,11 p. Feb.1952. 100 C76I

LENT, J. M., and SCARCHUK, J. Effect of boron on snap beans; a progress report. Conn. (Storrs) Agr. Expt. Sta. INF-35,7 p. Feb.1952. 100 C76I

LUGINBUHL, R. E., and JUNGHERR, E. L. Report on poultry respiratory disease control; program for 1951 and suggestions for 1952. Conn. (Storrs) Agr. Expt. Sta. INF-36,16 p. Feb.1952. 100 C76I

WHITE, R. F., and LE RICHE, R. P. A method of separating a single milking into successive portions. Conn. (Storrs) Agr. Expt. Sta. INF-37,8 p. Jan.1952. 100 C76I

EASTERBROOKS, H. L. The treatment of certain types of sterility in cattle with the hormone E. C. P.—a progress report. Conn. (Storrs) Agr. Expt. Sta. INF-38,4 p. Feb.1952. 100 C76I

MUNSELL, R. I. Results of growing corn continuously on the same soil—a progress report. Conn. (Storrs) Agr. Expt. Sta. INF-39,7 p. Mar.1952. 100 C76I

DEWEY, A. W. Cigar leaf statistics and outlook, spring, 1952. Conn. (Storrs) Agr. Expt. Sta. INF-40,11 p. May 10,1952. 100 C76I

JUDGE, G. G. Some data and graphs pertaining to the Connecticut and United States broiler industry Conn. (Storrs) Agr. Expt. Sta. INF-42,26 p. July 1952. 100 C76I

Delaware Agricultural Experiment Station, Newark

SMITH, R. C., and MCDANIEL, W. E. Floor space affects broiler profits. Del. Agr. Expt. Sta. C. 25, 6 p. Sept.1952. 100 D37S

Florida Agricultural Experiment Station, Gainesville

PHILLIPS, A. M., COLE, J. R., and LARGE, J. R. Insects and diseases of the pecan in Florida. Fla. Agr. Expt. Sta. B. 499,75 p. July 1952. 100 F66S

ABBOTT, O. D., TOWNSEND, R. O., and FRENCH, R. B. A survey of food preferences of Florida men. Fla. Agr. Expt. Sta. B. 500,26 p. Aug.1952. 100 F66S

MCCUBBIN, E. N., and others. Cabbage varieties adapted to commercial production in Florida. Fla. Agr. Expt. Sta. B. 501,29 p. Aug.1952. 100 F66S
F. S. Jamison, R. W. Ruprecht, and E. A. Wolf, joint authors.

SWANSON, L. E., BATTE, E. G., and DENNIS, W. R. Liver fluke disease and its control. Fla. Agr. Expt. Sta. B. 502,19 p. Sept.1952. 100 F66S

VOLK, G. M., and GAMMON, N. Effect of liming and fertilization on yield and the correction of nutritional leaf roll of Irish potatoes. Fla. Agr. Expt. Sta. B. 504,15 p. Oct.1952. 100 F66S

BAKER, F. S. Fattening cattle in North Florida. Fla. Agr. Expt. Sta. B. 505,24 p. Ref. Oct. 1952. 100 F66S

MYERS, J. M., and ROGERS, F. Mechanical drying and harvesting of peanuts. Fla. Agr. Expt. Sta. B. 507,14 p. Nov.1952. 100 F66S

KELSHEIMER, E. G., WALTER, J. M., and BECKENBACH, J. R. Compatibility of insecticides, fungicides and nutrients for vegetable crops. Fla. Agr. Expt. Sta. C. S-47,6 p. Apr.1952. 100 F66Ci

SPENCER, E. L., and BECKENBACH, J. R. The value of soil testing kits in vegetable crop production. Fla. Agr. Expt. Sta. C. S-48,11 p. Apr.1952. 100 F66Ci

WALLACE, A. T., and KILLINGER, G. B. Big trefoil [Lotus uliginosus]—a new pasture legume for Florida. Fla. Agr. Expt. Sta. C. S-49,6 p. Aug.1952. 100 F66Ci

KUITERT, L. C., and NUTTER, G. C. Chinch bug [Blissus leucopterus] control and subsequent renovation of St. Augustine grass lawns. Fla. Agr. Expt. Sta. C. S-50,10 p. Sept.1952. 100 F66Ci

KELSHEIMER, E. G., and WOLFENBARGER, D. O. Insects of tomatoes and their control. Fla. Agr. Expt. Sta. C. S-51,11 p. Oct.1952. 100 F66Ci

CARVER, W. A., HULL, F. H., and CLARK, F. The early runner peanut variety. Fla. Agr. Expt. Sta. C. S-52,4 p. Oct.1952. 100 F66Ci

TENNANT, J. L., and others. Cost of handling Florida and Texas citrus fruits in fresh and processed form, 1950-51. Fla. Agr. Expt. Sta. Spec. Rpt. Agr. Econ. Ser. 52-5,59 p. June 30,1952. 281.9 F663
H. B. Sorenson, C. K. Baker, and J. K. Samuels, joint authors.

TENNANT, J. L. Assets of 33 citrus packinghouses, 1951. Fla. Agr. Expt. Sta. Spec. Rpt. Agr. Econ. Ser. 52-10,8 p. Nov.15,1952. 281.9 F663

Georgia Agricultural Experiment Station, Experiment

SIEWERT, S. W., DUPREE, W. E., and WOODROOF, J. G. Home methods of preserving Muscadine grapes. Ga. Agr. Expt. Sta. Mimeog. Ser. 37,11 p. Sept. 1951. 100 G29M

BECKHAM, C. M., and DUPREE, M. Summary of cotton insect control experiments during 1951; progres progress report. Ga. Agr. Expt. Sta. Mimeog. Ser. 38, 10 p. Dec.1951. 100 G29M

DUPREE, M., and BECKHAM, C. M. Progress report of insecticide tests for control of pickleworm [Diaphania nitidalis] on cucurbits. Ga. Agr. Expt. Sta. Mimeog. Ser. 39,8 p. Jan.1952. 100 G29M

HARPER, W. W., and PENNY, N. M. Marketing eggs through hatcheries in Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 40,30 p. Apr.1952. 100 G29M

FORD, K. E. Vegetable marketing in nine South Georgia counties, 1950. Ga. Agr. Expt. Sta. Mimeog. Ser. 42,47 p. Apr.1952. 100 G29M

TAYLOR, C. C., and ELROD, J. C. Snap beans: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 43,18 p. Apr.1952. 100 G29M

FULLILOVE, W. T., and ELROD, J. C. Sericea lespedeza: production practices and costs in the Piedmont and Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 44, 17 p. Apr.1952. 100 G29M

TAYLOR, C. C. Tomatoes: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 45,18 p. May 1952. 100 G29M

MINCHEW, J. V., and ELROD, J. C. Lima beans: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 46,13 p. May 1952. 100 G29M

TAYLOR, C. C., and FULLILOVE, W. T. Cantaloupes: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 47,15 p. May 1952. 100 G29M

MINCHEW, J. V. Irish potatoes: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 48,11 p. May 1952. 100 G29M

MINCHEW, J. V. Sweet corn: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 49,10 p. May 1952. 100 G29M

MINCHEW, J. V., and FULLILOVE, W. T. Watermelons: production practices and costs in the Coastal Plain of Georgia. Ga. Agr. Expt. Sta. Mimeog. Ser. 50,12 p. May 1952. 100 G29M

ELROD, J. M. Lupines for green manure. Ga. Agr. Expt. Sta. Press B. 610,rev.,2 p. Feb.26,1952. 100 G29P

GEORGIA. AGRICULTURAL EXPERIMENT STATION. REGIONAL PRIMARY PLANT INTRODUCTION STATION. Crop investigators in the Southern Region (preliminary). Experiment,1952. 88 p. 225 G295

Hawaii Agricultural Experiment Station, Honolulu

CLEMENTS, H. F., SHIGEURA, G., and AKAMINE, E. K. Factors affecting the growth of sugar cane. Hawaii. Agr. Expt. Sta. Tech. B. 18,90 p. Ref. Sept.1952. 100 H313T

HAWAII farm science 1(1),8 p; 1(2),8 p. Apr.-July 1952. 100 H314

Idaho Agricultural Experiment Station, Moscow

JENSEN, M. C., and CRIDDLE, W. D. Estimated irrigation water requirements for Idaho. Idaho. Agr. Expt. Sta. B. 291,23 p. Nov.1952. 100 Id1

HELTON, A. W. Controlling fireblight. Idaho. Agr. Expt. Sta. C. 122,4 p.-folder. Dec.1952. 100 Id1

HELTON, A. W. Controlling mildews in fruits. Idaho. Agr. Expt. Sta. C. 123,4 p.-folder. Dec. 1952. 100 Id1

HELTON, A. W. The strawberry root rot problem. Idaho. Agr. Expt. Sta. C. 124,2 p. Dec.1952. 100 Id1

IDAHO. AGRICULTURAL EXPERIMENT STATION. Producing the Idaho potato. Idaho. Agr. Expt. Sta. Mimeog. L. 121,16 p. Dec.1952. 100 Id12

LEHRER, W. P., and WIESE, A. C. Some vitamin deficiencies of the suckling pig. Idaho. Agr. Expt. Sta. Res. B. 21,47 p. Ref. Oct.1952. 100 Id1

TAKATORI, F. H., SPARKS, W. C., and WOODBURY, G. W. A study of simulated hail injury on potatoes. Idaho. Agr. Expt. Sta. Res. B. 22,15 p. Ref. Oct. 1952. 100 Id1

Illinois Agricultural Experiment Station, Urbana

MCCULLOUGH, H. E. Space design for household storage. Ill. Agr. Expt. Sta. B. 557,74 p. Aug.1952. 100 IL6S

KAHN, R. P., and others. An investigation of asparagus rust in Illinois: its causal agent and its control. Ill. Agr. Expt. Sta. B. 559,56 p. Ref. Aug.1952. 100 IL6S
H. W. Anderson, P. R. Hepler, and M. B. Linn, joint authors.

Indiana Agricultural Experiment Station, Lafayette

FRENCH, C. E. Research procedure in evaluating milk receiving labor in Indiana. Ind. Agr. Expt. Sta. B. 575,23 p. Jan.1952. 100 In2P

FRENCH, C. E., WOOD, G. B., and MANHART, V. C. Labor utilization in milk receiving rooms of Indiana milk plants. Ind. Agr. Expt. Sta. B. 576,55 p. July 1952. 100 In2P

KOHLS, R. L., GAYLORD, F. C., and ORTH, C. M. Roadside marketing in Indiana. Ind. Agr. Expt. Sta. B. 577,19 p. Aug.1952. 100 In2P

SMITH, G. M. Golden harvest hybrid sweet corn. Ind. Agr. Expt. Sta. B. 578,6 p.-folder. July 1952. 100 In2P

STALDER, W. D., ROBERTSON, L. S., and RICHARDSON, G. L. Pasture improvement costs in southern Indiana. Ind. Agr. Expt. Sta. B. 579,23 p. July 1952. 100 In2P

KOHLS, R. L., and WALZ, T. C. Broiler trucker-buyers in Indiana. Ind. Agr. Expt. Sta. B. 580, 24 p. Sept.1952. 100 In2P

MOTT, G. O., and others. Grazing trials with beef cattle at Miller-Purdue Memorial Farm. Ind. Agr. Expt. Sta. B. 581,16 p. July 1952. 100 In2P
R. E. Smith, W. M. McVey, and W. M. Beeson, joint authors.

Iowa Agricultural Experiment Station, Ames

FREY, J. C. Some obstacles to soil erosion control in western Iowa. Iowa. Agr. Expt. Sta. Res. B. 391:941-1007. Oct.1952. 100 Io9

LYLE, M. S. Educational needs of less privileged homemakers in a rural county in Iowa. Iowa. Agr. Expt. Sta. Res. B. 392,55 p. Oct.1952. 100 Io9

Kansas Agricultural Experiment Station, Manhattan

AICHER, L. C., and KESSLER, F. B. Beef cattle breeding and feeding investigations for 1950-51. Kans. Agr. Expt. Sta. C. 278,15 p. Dec.1951. 100 K13S

FARRELL, E. P., and MILNER, M. Insect fragment problem in the milling industry; a report prepared for The Millers' National Federation. Kans. Agr. Expt. Sta. C. 291,24 p. Nov.1952. 100 K13S

Kentucky Agricultural Experiment Station, Lexington

BROWN, J. S. The farm family in a Kentucky mountain neighborhood. Ky. Agr. Expt. Sta. B. 587,42 p. Aug.1952. 100 K41

BROWN, J. S. The family group in a Kentucky mountain farming community. Ky. Agr. Expt. Sta. B. 588, 38 p. June 1952. 100 K41

BYERS, G. B. Effect of work methods and building designs on building costs and labor efficiency for dairy chores. Ky. Agr. Expt. Sta. B. 589,55 p. June 1952. 100 K41

KENTUCKY. AGRICULTURAL EXPERIMENT STATION. FEED AND FERTILIZER DEPT. Analyses of official fertilizer samples; semi-annual report, January-June 1952. Ky. Agr. Expt. Sta. Regulat. B. 101,52 p. Sept.1952. 100 K41

KENTUCKY. AGRICULTURAL EXPERIMENT STATION. FEED AND FERTILIZER DEPT. Quarterly report on official feed samples analyzed. Ky. Agr. Expt. Sta. Regulat. B. 102,35 p. Nov.1952. 100 K41

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

SEAL, H. L., and WOODIN, M. D. Commercial canning of fruits and vegetables in Louisiana, 1951. La. Agr. Expt. Sta. Mimeog. C. 133,7 p. June 1952. 100 L935

NICKLAS, W. F., and BAKER, J. M. Marketing eggs by producers E. Baton Rouge Parish Louisiana. La. Agr. Expt. Sta. Mimeog. C. 135,18 p. June 1952. 100 L935

STANLEY, F. E. Financing desirable farming adjustments in the North Louisiana Upland cotton area. La. Agr. Expt. Sta. Mimeog. C. 136,16 p. Jan.1952. 100 L935

SYLVEST, T. A. A formula for pricing class I milk in the Shreveport marketing area. La. Agr. Expt. Sta. Mimeog. C. 137,40 p. June 1952. 100 L935

KING, G. E., and BAKER, J. M. Broilers in six north Louisiana parishes. La. Agr. Expt. Sta. Mimeog. C. 138,12 p. July 1952. 100 L935

ROY, E. P., and BAKER, J. M. F.F.A. educational hatchery service at Louisiana high schools. La. Agr. Expt. Sta. Mimeog. C. 139,16 p. July 1952. 100 L935

ROY, E. P., and BAKER, J. M. Commercial hatcheries in Louisiana. La. Agr. Expt. Sta. Mimeog. C. 140,18 p. Aug.1952. 100 L935

BAKER, C. K., and QUINN, O. B. Marketing systems and procedures for Louisiana strawberries. La. Agr. Expt. Sta. Mimeog. C. 142,33 p. Sept.1952. 100 L935

GILE, B. M., and QUINN, O. B. A directory of farmers' cooperative business organizations in Louisiana, 1952. La. Agr. Expt. Sta. Mimeog. C. 143,10 p. Nov. 1952. 100 L935

WOODIN, M. D., and SEAL, H. L. Sweet potato dehydration in Louisiana 1951-52 season. La. Agr. Expt. Sta. Mimeog. C. 144,12 p. Oct.1952. 100 L935

BOLTON, B., and STANLEY, F. E. The cost of using liquefied petroleum gas as a tractor fuel in the Delta Cotton areas of Louisiana. La. Agr. Expt. Sta. Mimeog. C. 146,21 p. Dec.1952. 100 L935

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. CROPS AND SOILS DEPT. A preliminary annual report on experiments conducted, 1951. Baton Rouge,1952? 63 p. 100 L936

SOUTHERN PASTURE AND FORAGE CROPS IMPROVEMENT CONFERENCE. Report of the ninth conference, Baton Rouge, Louisiana, April 24-25, 1952, by P. R. Henson. Baton Rouge,La. Agr. Expt. Sta.,1952. 28 p. 60.19 So83

Maine Agricultural Experiment Station, Orono

WOODWARD, H. C. Importance of apple bruising and how to prevent it. Maine. Agr. Expt. Sta. Mimeog. Rpt. 29,14 p. Oct.1952. 100 M28M

TOBEY, E. R., and others. Foods and drugs, 1951-52. Maine. Agr. Expt. Sta. Off. Insp. 223,56 p. June 1952. 100 M28S

Massachusetts Agricultural Experiment Station, Amherst

RESEARCH in review 1(2),15 p. July 1952. 100 M38R

Michigan Agricultural Experiment Station, East Lansing

CRAVENS, M. E. Selling Michigan apples. Mich. Agr. Expt. Sta. Spec. B. 382,30 p. Oct.1952. 100 M58S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

KOLLER, E. F., MANNING, T. W., and JESNESS, O. B. Statistics of farmers' cooperatives in Minnesota, 1950. Minn. Agr. Expt. Sta. B. 412,108 p. June 1952. 100 M66

BUTZ, D. E., and KOLLER, E. F. Costs of drying milk in Minnesota plants. Minn. Agr. Expt. Sta. B. 413,30 p. May 1952. 100 M66

HARDEN, P. H., and MICKEL, C. E. The stoneflies of Minnesota (Plecoptera). Minn. Agr. Expt. Sta. Tech. B. 201,84 p. Ref. June 1952. 100 M66

BAKER, D. G., ROST, C. O., and KRAMER, H. W. Influence of fertilizers on four legumes when grown as green manures. Minn. Agr. Expt. Sta. Tech. B. 204,14 p. June 1952. 100 M66

Mississippi Agricultural Experiment Station, State College

MISSISSIPPI farm research 15(10),8 p.;15(11), 8 p. Oct.-Nov.1952. 100 M69Mi

Nebraska Agricultural Experiment Station, Lincoln

ANDERSON, A. H. A study of rural communities and organizations in Seward County, Nebraska. Nebr. Agr. Expt. Sta. B. 405,36 p. Nov.1951. 100 N27

NORTH CENTRAL LIVESTOCK MARKETING RESEARCH COMMITTEE. Combined supplement to marketing feeder cattle and sheep in the North Central Region. Nebr. Agr. Expt. Sta. B. 410,30 p. 1951? 100 N27

Contents: Methodology and nature of the data; Factors that determine the price of feeder cattle, by H. M. Riley; An econometric analysis of the feeder cattle market, by S. H. Thompson.

DAVIS, H. P. Dairy calf births and disposals, University of Nebraska herd, 1904-1948. Nebr. Agr. Expt. Sta. B. 411,22 p. Ref. June 1952. 100 N27

FILLEY, H. C., and JACKSON, L. C. Management problems of farmer elevator companies in Nebraska. Nebr. Agr. Expt. Sta. B. 412,50 p. July 1952. 100 N27

EPP, A. W. Cost of operating machinery on Nebraska farms. Nebr. Agr. Expt. Sta. B. 413,8 p. Sept. 1952. 100 N27

BAKER, G. N., and BAKER, M. L. The use of various pastures in producing finished yearling steers. Nebr. Agr. Expt. Sta. B. 414,12 p. Oct.1952. 100 N27

DREIER, A. F., and others. Nebraska corn performance tests, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 26,17 p. Dec.1952. 100 N270

J. H. Lonnquist, D. P. McGill, and P. L. Ehlers, joint authors.

CLAASSEN, C. E. Inheritance of sterility, flower color, spinelessness, attached pappus and rust resistance in safflower, Carthamus tinctorius. Nebr. Agr. Expt. Sta. Res. B. 171,28 p. July 1952. 100 N27

New Hampshire Agricultural Experiment Station, Durham

BOWRING, J. R., and HOLMES, J. C. Comparing market efficiency in the delivery of milk. N. H. Agr. Expt. Sta. Agr. Econ. Res. Mimeog. 10,8 p. Sept. 1952. 281.9 N452

NEW HAMPSHIRE. AGRICULTURAL EXPERIMENT STATION. Report of the director, July 1, 1949—June 30, 1951. N. H. Agr. Expt. Sta. B. 394,45 p. Mar. 1952. 100 N45

New Jersey Agricultural Experiment Station, New Brunswick

BATTLE, W. R. Atlantic alfalfa. N. J. Agr. Expt. Sta. B. 765,4 p. Sept.1952. 100 N46S

BIEKART, H. M. Tulips in the garden. N. J. Agr. Expt. Sta. C. 549,8 p. Sept.1952. 100 N46S

THOMPSON, W. C. The Khaki-Campbell egg-type duck. N. J. Agr. Expt. Sta. Hints Poultrymen 34(2), 4 p. Sept.1952. 100 N46S

RANDLE, S. B. Agricultural insecticides and fungicides, 1951. N. J. Agr. Expt. Sta. Inspect. Ser. 47, 22 p. Aug.1952. 100 N46S

NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. CRANBERRY-BLUEBERRY RESEARCH LABORATORY, PEMBERTON. Be sure soil is right before investing in land for blueberry production, by C. A. Doehlert. Pemberton,1951? 3 p. 56.34 N46

NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. CRANBERRY-BLUEBERRY RESEARCH LABORATORY, PEMBERTON. Pruning blueberries, by C. A. Doehlert. Pemberton,1951? 3 p. 94.35 N46

New York (Cornell) Agricultural Experiment Station, Ithaca

ROTOR, G. B. Daylength and temperature in relation to growth and flowering of Orchids. N. Y. (Cornell) Agr. Expt. Sta. B. 885,47 p. Ref. Oct.1952. 100 N48C

RADER, W. E. Diseases of stored carrots in New York State. N. Y. (Cornell) Agr. Expt. Sta. B. 889, 64 p. Ref. Oct.1952. 100 N48C

BEYER, G. H. Rural housing in New York State. N. Y. (Cornell) Agr. Expt. Sta. B. 893,40 p. Oct. 1952. 100 N48C

HENDERSON, P. L. Methods of research in marketing; application of the double change-over design to measure carry-over effects of treatments in controlled experiments. N. Y. (Cornell) Agr. Expt. Sta. Paper 3, 86 p. July 1952. 280.39 N4834

ANDERSON, W. A. A study of the values in rural living. VII. Summary of finding. N. Y. (Cornell) Agr. Expt. Sta. Rur. Sociol. P. 34,25 p. Oct.1952. 100 N48CM

North Dakota Agricultural Experiment Station, State College Station, Fargo

CLAGETT, C. O., and others. The soil depleting power of the flax crop compared with that of hard red spring wheat, oats and barley. N. Dak. Agr. Expt. Sta. B. 378,26 p. Ref. Aug.1952. 100 N813

T. E. Stoa, H. J. Klosterman, A. F. Kingsley, and W. W. Sisler, joint authors.

GILCREAST, R. M. Electricity—how much? what for? N. Dak. Agr. Expt. Sta. B. 379,50 p. Oct.1952. 100 N813

U. S. Bureau of Agricultural Economics cooperating.

BIMONTHLY bulletin 15:41-87. Nov./Dec. 1952. 100 N813B

Ohio Agricultural Experiment Station, Wooster

BAKER, R. H., and BAILEY, R. A. Plan dairy chores. Ohio. Agr. Expt. Sta. Res. B. 706,38 p. Mar. 1952. 100 Oh3S

VOLK, G. W., HARDING, R. B., and EVANS, C. E. A comparison of blast furnace slag and limestone as a soil amendment. Ohio. Agr. Expt. Sta. Res. B. 708. 19 p. Nov.1952. 100 Oh3S

OHIO farm and home research 37:85-100. Nov./Dec.1952. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

CORDNER, H. B. Allgold, a new high-vitamin, high-yielding sweet potato. Okla. Agr. Expt. Sta. B. B-388,11 p. Nov.1952. 100 Ok4

CURRENT farm economics 25:73-91. Oct.1952 100 Ok4

FARM research flashes. Nov.1952. 3 p. 100 Ok4F

Oregon Agricultural Experiment Station, Corvallis

VROOMAN, C. W. Consumer report on pork products. Oreg. Agr. Expt. Sta. B. 521,14 p. Aug.1952. 100 Or3

HUGHES, A. D. Improvements in the field distillation of peppermint oil. Oreg. Agr. Expt. Sta. B. 525,60 p. Aug.1952. 100 Or3

SINNARD, H. R. Bulk feed storage bins. Oreg Agr. Expt. Sta. C. Inform. 517,7 p. Nov.1952. 100 Or3C

Pennsylvania Agricultural Experiment Station, State College

FLEMING, H. K., and ALDERFER, R. B. Soil management in a young Montmorency sour cherry orchard. Pa. Agr. Expt. Sta. B. 557,17 p. Ref. Sept.1952. 100 P381

WOOD, M. Birds of the State College Region, Pennsylvania. Pa. Agr. Expt. Sta. B. 558,36 p. Ref. Aug.1952. 100 P381

THOMAS, C. A., and others. Effects on plants of parathion applied to foliage for the destruction of greenhouse pests. I-II. Pa. Agr. Expt. Sta. B. 559,18 p. Oct.1951,i.e.1952. 100 P381

F. F. Smith, R. A. Fulton, and W. E. Blauvelt, joint authors.

MOWERY, A. S., and BRESSLER, G. O. Mechanical cleaners for droppings pits. Pa. Agr. Expt. Sta. Prog. Rpt. 86,8 p. Oct.1952. 100 P381P

LEE, W. A. Marketing margins for selected fresh fruits and vegetables sold in Pittsburgh, July 1950—January 1951. Pa. Agr. Expt. Sta. Prog. Rpt. 87,34 p. Sept.1952. 100 P381P

BLIZZARD, S. W., and ANDERSON, W. F. Problems in rural-urban fringe research: conceptualization and delineation. Pa. Agr. Expt. Sta. Prog. Rpt. 89,26 26 p. Nov.1952. 100 P381P

Puerto Rico Agricultural Experiment Station, Rio Piedras

CHAPEL, A. G., and CABRERA, J. I. Los cruzamientos en la crianza de cerdos en Puerto Rico. P. R. (Rio Piedras). Agr. Expt. Sta. B. 95,54 p. Ref. Sept.1951. 100 P83

PIÑERO, M., and CALDERÓN, J. R. Costos de produccion del tabaco, Zona Central Este, Puerto Rico, 1948-49. P. R. (Rio Piedras) Agr. Expt. Sta. B. 96,27 p. Nov.1951. 100 P83

PIÑERO, M., and SERRA, G. Estudio económico sobre la elaboración y enlatado de algunos productos agrícolas, Puerto Rico, 1946-47. P. R. (Rio Piedras). Agr. Expt. Sta. B. 101,21 p. Jan.1952. 100 P83

GARCIA-MOLINARI, O. Grasslands and grasses of Puerto Rico. P. R. (Rio Piedras). Agr. Expt. Sta. B. 102,167 p. Ref. Aug.1952. 100 P83

HADDOCK, D., and HERNÁNDEZ, L. Consumer preferences for taniers (Xanthosoma spp.) in Puerto Rico, 1949-1950. P. R. (Rio Piedras). Agr. Expt. Sta. B. 103,31 p. Apr.1952. 100 P83

HERNÁNDEZ-MEDINA, E. Filter press cake increases pineapple yields in Puerto Rico. P. R. (Rio Piedras). Agr. Expt. Sta. B. 104,38 p. Ref. Apr.1952. 100 P83

CALDERÓN, J. R. Estudio sobre los costos para producir el arroz en Puerto Rico, 1945-1946. P. R. (Rio Piedras). Agr. Expt. Sta. B. 105,19 p. Apr.1952. 100 P83

RIVERA-ANAYA, J. D. Estudio sobre la mastitis—Hato de la Estación Experimental Agrícola, Rio Piedras, Puerto Rico. P. R. (Rio Piedras). Agr. Expt. Sta. B. 106,26 p. Ref. June 1952. 100 P83

VÁZQUEZ CLACERRADA, P. B. Costos e ingresos comparativos entre las empresas de piña y caña de azucar. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 14,9 p. Dec.1951. 100 P83Es

HADDOCK, D., and HERNÁNDEZ, L. Consumer preferences for taniers (Xanthosoma spp.) in Puerto Rico, 1949-50; important facts and figures. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 16,32 p. Jan.1952. 100 P83Es

VAZQUEZ CALCERRADA, P. B. Castañer: una comunidad rural de Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 17,19 p. Jan.1952. 100 P83Es

Rhode Island State College, Extension Service, Kingston

DOLAN, D. D., and CHRISTOPHER, E. P. Plant spacing of sweet corn. R. I. Agr. Expt. Sta. B. 316, 26 p. Ref. July 1952. 100 R34S

RESEARCH 3(1),11 p. Summer 1952. 100 R34R

South Carolina Agricultural Experiment Station, Clemson

STEWART, G. H., and CRAVEN, R. 4-H farm and home electric program project guide. Clemson Agr. Col. S. C. Ext. C. 365,96 p. June 1952. 275.29 So8E

MOSER, A. M., and others. Family food consumption in three types of farming areas of the South. II. An analysis of weekly food records, late winter and early spring, 1948. South. Coop. Ser. B. 20,207 p. Nov. 1951. 100 G29So

W. T. Dean, B. Gillaspie, D. Dickins, J. Staab, E. F. Phipard, and R. L. Anderson, joint authors.

The Agricultural Experiment Stations of Arkansas, Mississippi, South Carolina, Tennessee, and Virginia cooperating.

South Dakota Agricultural Experiment Station, Brookings

STANGELAND, S. Estimated feed requirements for livestock and poultry. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 39,18 p. May 1952. 281.9 So86

STANGELAND, S. Labor inputs for livestock enterprises. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 40, 41 p. Ref. Sept.1952. 281.9 So86

WHITEHEAD, E. I., and MOXON, A. L. Nitrate poisoning. S. Dak. Agr. Expt. Sta. B. 424,24 p. Ref. June 1952. 100 So82

SOUTH Dakota farm and home research 4(1), 22 p. Fall 1952. 100 So82S

Tennessee Agricultural Experiment Station, Knoxville

RICHEY, F. D. Hybrid corn for Tennessee. Tenn. Agr. Expt. Sta. B. 227,24 p. Oct.1952. 100 T25S

Texas Agricultural Experiment Station, College Station

TEXAS. FEED CONTROL SERV. Annual report, 1951-52. Tex. Agr. Expt. Sta. B. 751,148 p. Sept. 1952. 100 T31S

BRISON, F. R. Influence of storage conditions on the germination of onion seed. Tex. Agr. Expt. Sta. Prog. Rpt. 1492,4 p. Aug.29,1952. 100 T31P

HUTSON, H. C., FISHER, F. L., and KAPP, L. C. Effect of fertilizers on the yield and chemical composition of pasture forage at Nacogdoches, 1949-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1493,3 p. Aug.30,1952. 100 T31P

RIEWE, M. E., and SMITH, J. C. Berseem clover for forage and seed production. Tex. Agr. Expt. Sta. Prog. Rpt. 1494,5 p. Sept.8,1952. 100 T31P

NORTON, D. C. Testing fungicides on squash, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1495,2 p. Sept.17, 1952. 100 T31P

WOOD, J. R., BURLESON, C. A., and COOK, E. D. Green manure crops at Kirbyville and Cleveland, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1496,2 p. Sept. 25,1952. 100 T31P

WOOD, J. R., and others. Clover variety tests at Kirbyville and Cleveland, 1950-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1497,5 p. Sept.25,1952. 100 T31P
C. A. Burleson, E. D. Cook, and R. P. Bates, joint authors.

FUDGE, J. F. Distribution of fertilizer sales in Texas, January 1—June 30, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1498,3 p. Sept.26,1952. 100 T31P

MARION, P. T., FISHER, C. E., and JONES, J. H. Cattle feeding studies at the Spur Station, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1499,4 p. Sept.30,1952. 100 T31P

RICHARDSON, B. H. Control of onion thrips [Thrips tabaci] in the Winter Garden area of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1500,2 p. Oct.9,1952. 100 T31P

MOTHERAL, J. R., METZLER, W. H., and DUCOFF, L. J. Men and machines in the cotton harvest, Texas High Plains, 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1501,6 p. Oct.12,1952. 100 T31P

MOTHERAL, J. R., METZLER, W. H., and DUCOFF, L. J. Recruitment of cotton-harvest workers, Texas High Plains, 1951. Tex. Agr. Expt. Sta. Prog. Rpt. 1502,3 p. Oct.13,1951. 100 T31P

COLLIER, J. W., and ATKINS, I. M. Small grain variety tests at the Blackland Experiment Station, 1949-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1503,3 p. Oct. 16,1952. 100 T31P

Utah Agricultural Experiment Station, Logan

MORRISON, E. M. Production costs and returns for canning peas, tomatoes, and corn, in Utah for various years 1945-1951. Utah. Agr. Expt. Sta. Mimeog. Ser. 388,5 p. Apr.1952. 100 Ut1Mi

KNOWLTON, G. F. Range entomology. Utah. Agr. Expt. Sta. Mimeog. Sheet 391,3 p. Nov.1952. 100 Ut1Mi

Washington Agricultural Experiment Station, Pullman

SPRAGUE, R., and FISCHER, G. W. Check list of the diseases of grasses and cereals in the western United States and Alaska. Wash. Agr. Expt. Sta. C. 194, 188 p. Sept.1952. 100 W27S

SLOCUM, W. L. Activities and problems of Washington 4-H Clubs; a report on 1950-51 experience of 567 clubs. Wash. Agr. Expt. Sta. C. 208,18 p. Nov.1952. 100 W27S

BAUM, E. L., and CORBRIDGE, I. L. An economic study of dairy products consumption, Seattle, Washington. Wash. Agr. Expt. Sta. Tech. B. 8,32 p. Jan. 1953. 100 W27T

West Virginia Agricultural Experiment Station, Morgantown

WEST VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Science serves your farm. W. Va. Agr. Expt. Sta. B. 357(1),8 p. Sept.1952. 100 W52

MARVEL, M. E. Cauliflower seedbed fumigation with methyl bromide. W. Va. Agr. Expt. Sta. Cur. Rpt. 2,9 p. Oct.1952. 100 W52Cu

Wyoming Agricultural Experiment Station, Laramie

BEATH, O. A., and HAMILTON, J. W. Chemical composition of Wyoming forage plants. Wyo. Agr. Expt. Sta. B. 311,40 p. Feb.1952. 100 W99

BOHMONT, D. W. Chemical control of poisonous range plants. Wyo. Agr. Expt. Sta. B. 313,20 p. Ref. Apr.1952. 100 W99

BOHMONT, D. W. Shale oil—a new agricultural chemical. Wyo. Agr. Expt. Sta. B. 320,40 p. Ref. Sept.1952. 100 W99

BROWN, D. C., and others. Alfalfa pellets—roughage or concentrate?. Wyo. Agr. Expt. Sta. B. 321, 8 p. Oct.1952. 100 W99
H. S. Willard, J. W. Hamilton, and J. Read, joint authors.

WYOMING. AGRICULTURAL EXPERIMENT STATION. List of available publications. Laramie,1952. 2 p. 100 W99L

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

ARIZONA University, College of Agriculture, Agricultural Extension Service, Tucson

MIDDLETON, J. E. Water management. Ariz. Agr. Col. Ext. C. 205,27 p. Oct.1952. 275.29 Ar42

WEAVER, E. K., and WALTERS, M. An easy way to iron a shirt. Ariz. Agr. Col. Ext. C. 206,8 p. Nov. 1952. 275.29 Ar42

CALIFORNIA University, College of Agriculture, Agricultural Extension Service, Berkeley

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Estimated labor requirements for California agriculture, 1950 & 1955, by A. Shultis and W. R. Bailey. Berkeley, 1952. 10 p. 275.2 C12Es

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1st annual report, Contra Costa County poultry egg cost management study, 1951-52, by A. Shultis and J. C. Borden. Berkeley?1952. 7 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Income supplement to the second annual report of the Santa Clara County walnut management study, 1951. Berkeley?1952. 2 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Marketing Kern County potatoes, by D. N. Wright. Berkeley?1951. 16 p. 275.29 C12M

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 citrus production cost study, lemons & grapefruit, San Bernardino County, by W. Sullivan and R. W. Southwick. Berkeley,1952? 10 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 orange production cost study, Navels & Valencias, San Bernardino County, by W. Sullivan and R. W. Southwick. Berkeley,1952? 10 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Some observations on chopping green alfalfa for feeding beef cattle with comparisons with pasturing, by G. L. Winright and W. Sullivan. Berkeley?1952. 4 p. 275.29 C12En

Imperial County, California.

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. What does it cost you to grow beans? A summary of costs in Sutter County for 1950, by R. C. Pearl and A. D. Reed. Yuba City,1952. 3 p. 275.2 C12Wa

CONNECTICUT University, College of Agriculture, Agricultural Extension Service, Storrs

CROWTHER, G. W., and KORANDO, S. More house for your money. Conn. Agr. Col. Ext. B. 438,12 p. Jan.1952. 275.29 C76B

NODINE, E. H., TRASK, O. S., and HIGGINS, T. C. 4-H laying flock management. Conn. Agr. Col. Ext. B. 439,23 p. Sept.1952. 275.29 C76B

A New England Cooperative Extension publication.

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry respiratory disease control program—a summary report for 1951 and suggestions for 1952, by E. Jungherr and R. E. Luginbuhl. Storrs,1952. 2 p. 275.29 C76Pr

GEORGIA University, College of Agriculture, Agricultural Extension Service, Athens

HARRIS, M., and THARP, M. Case studies of father-son farm agreements. Ga. Agr. Col. Ext. B. 570, 48 p. Jan.1952. 275.29 G29B

GEORGIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1951 annual report. Ga. Agr. Col. Ext. B. 571,22 p. Jan.1952. 275.29 G29

ALEXANDER, E. D., PRESTON, J. B., and JOHNSON, J. R. Pastures for Georgia. Ga. Agr. Col. Ext. B. 573,40 p. Mar.1952. 275.29 G29B

LOVE, H. M., TURNER, W. L., and CALLAHAN, E. P. Farmers income tax 1952. Ga. Agr. Col. Ext. B. 575,32 p. 1952? 275.29 G29B

ALEXANDER, E. D., PRESTON, J. B., and JOHNSON, J. R. Winter cover crops. Ga. Agr. Col. Ext. C. 300,rev.,8 p.-folder. Sept.1952. 275.29 G29C

FANNING, J. W. Looking ahead with Georgia farm families to 1953. Ga. Agr. Col. Ext. C. 379,22 p. Dec.1952. 275.29 G29C

HAWAII University, Agricultural Extension Service, Honolulu

BIRD, K. M. Summary of legal restrictions affecting trade in Hawaiian agricultural products. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 12,6 p. Sept.1952. 275.29 H312Ac

EDWARDS, N. L. Seed jewelry of old Hawaii made and worn today. Hawaii. U. Agr. Ext. Home Econ. C. 255,7 p. Sept.1952. 275.29 H312H

DODD, V. L. Healthful meals for the whole family. Hawaii. U. Agr. Ext. Home Econ. C. 257,6 p. Sept.1952. 275.29 H312H

DODD, V. L. Foods for older people. Hawaii. U. Agr. Ext. Home Econ. C. 258,4 p. Nov.1952. 275.29 H312H

PHILIPP, P. F. 1953 tax guide for Hawaiian farmers. Hawaii. U. Agr. Ext. C. 259,rev.,33 p. Nov. 1952. 275.29 H312Ac

IDAHO University, College of Agriculture, Extension Service, Moscow

HODGSON, J. M. Aromatic solvents control water weeds in irrigation laterals. Idaho. Agr. Col. Ext. C. 123,6 p.-folder. Sept.1952. 275.29 Id13C

HABERLY, M. Weight right—feel good. Idaho Agr. Col. Ext. C. 127,4 p.-folder. Dec.1952. 275.29 Id13C

ILLINOIS University, College of Agriculture, Extension Service, Urbana

PENDLETON, J. W., and others. Soybean varieties for Illinois. Ill. Agr. Col. Ext. C. 700,8 p. Oct. 1952. 275.29 IL62C

R. D. Osler, C. H. Farnham, and J. L. Cartter, joint authors.

WILLS, W. J. Choosing a market for your livestock. Ill. Agr. Col. Ext. C. 701,20 p. Oct.1952. 275.29 IL62C

MCKEE, M. A., LYON, R. O., and REGNIER, E. H. The party-a-month project first-year handbook, a 4-H Club project. Ill. Agr. Col. Ext. 4-H 61,41 p. Aug. 1,1952. 275.29 IL62Fh

Also similar handbooks for the second, third, fourth, and fifth years.

ILLINOIS. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Handicraft, a 4-H Club handbook. Ill. Agr. Col. Ext. 4-H 66,85 p. n.d. 275.29 IL62Fh

INDIANA - Purdue University, Agricultural Extension Service, Lafayette

SCHUDER, D. L. Insecticides for control of shade tree and shrub insect pests. Purdue U. Agr. Ext. Mimeog. E-41,29 p. Feb.1952. 423.9 In22

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. DEPT. OF ENTOMOLOGY. Control of mites on ornamentals. Purdue U. Agr. Ext. Mimeog. E-42,2 p. Apr.1952. 423.9 In22

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. DEPT. OF ENTOMOLOGY. Tobacco insect control. Purdue U. Agr. Ext. Mimeog. E-43,2 p. June 1952. 423.9 In22

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. DEPT. OF ENTOMOLOGY. Ridding buildings of bees, wasps, hornets and yellow jackets. Purdue U. Agr. Ext. Mimeog. E-44,1 p. June 1952. 423.9 In22

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. DEPT. OF ENTOMOLOGY. Slugs in the home garden. Purdue U. Agr. Ext. Mimeog. E-45,2 p. Aug.1952. 423.9 In22

IOWA State College of Agriculture, Agricultural Extension Service, Ames

IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Laying house equipment. Iowa State Col. Agr. Ext. Pam. 171,15 p. Jan.1952. 275.29 Io9Pa

IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Handling the 1951 high-moisture corn crop. Iowa. State Col. Agr. Ext. Pam. 174,8 p. Jan.1952. 275.29 Io9Pa

GUNDERSON, H., and LILLY, J. H. Control corn rootworms [Diabrotica longicornis]. Iowa. State Col. Agr. Ext. Pam. 178,4 p. Apr.1952. 275.29 Io9Pa

GUNDERSON, H. Rat control—a job for everyone. Iowa. State Col. Agr. Ext. Pam. 179,4 p. Apr.1952. 275.29 Io9Pa

RAUN, E. S. Insect pests of sheep. Iowa. State Col. Agr. Ext. Pam. 180,2 p. Apr.1952. 275.29 Io9Pa

RAUN, E. S. Controlling insect pests of cattle. Iowa. State Col. Agr. Ext. Pam. 181,2 p. Apr.1952. 275.29 Io9Pa

RAUN, E. S. Insect pests of dogs and cats. Iowa. State Col. Agr. Ext. Pam. 182,2 p. Apr.1952. 275.29 Io9Pa

CHENEY, H. B., and MELDRUM, H. R. Phosphate fertilizers. Iowa. State Col. Agr. Ext. Pam. 184, 8 p. Apr.1952. 275.29 Io9Pa

SHERF, A. Rusts in grain crops. Iowa. State Col. Agr. Ext. Pam. 185,4 p. June 1952. 275.29 Io9Pa

DEFOREST, S. S., and JOHNSON, E. R. Electrical control for slot ventilators. Iowa. State Col. Agr. Ext. Pam. 187,2 p. July 1952. 275.29 Io9Pa

IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Annual summary, Iowa Dairy Herd Improvement Associations, 1950/51. Ames,1951. 38 p. 275.29 Io9I

IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. List of publications (and abstract). Ames,1952. 15 p. 275.29 Io9Li

KANSAS State College of Agriculture and Applied Science, Extension Service, Manhattan

GATES, D. E., and KING, C. L. Home garden pest control, 1953. Kans. State Col. Agr. Ext. L. 13,rev., 4 p. Dec.1952. 275.29 K13Le

NEIGHBOR, H., FLETCHER, M. G., and ALLEN, G. E. Consumer buying of vegetables. Kans. State Col. Agr. Ext. L. 17,4 p. Apr.1952. 275.29 K13Le

WHITEHAIR, N. V. Wheat kernel damage. Kans. State Col. Agr. Ext. L. 19,6 p.-folder. June 1952. 275.29 K13Le

KENTUCKY University, College of Agriculture and Home Economics, Extension Service, Lexington

YOUNG, H. M., and NESIUS, E. J. Planning for economic production of pasture. Ky. Agr. Col. Ext. C. 498,22 p. Oct.1952. 275.29 K415

KENNEY, R., HANSEN, J. R., and FREEMAN, J. F. Giant foxtail [Setaria faberii]. Ky. Agr. Col. Ext. L. 132,8 p.-folder. Apr.1952. 275.29 K415Le

BROWN, R., and DRUDGE, J. H. Stomach worm disease of cattle. Ky. Agr. Col. Ext. L. 133,4 p.-folder. Sept.1952. 275.29 K415Le

BYERS, G. B., CARD, D. G., and BINKLEY, W. C. Packing burley tobacco for sale. Ky. Agr. Col. Ext. L. 134,8 p.-folder. Oct.1952. 275.29 K415Le

MAINE University, College of Agriculture, Agricultural Extension Service, Orono

MAINE. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Annual report for the year ending June 30, 1951. Maine. Agr. Col. Ext. B. 416,43 p. Oct.1951. 275.29 M281RT

MARYLAND University, Colleges of Agriculture and Home Economics, Extension Service, College Park

MOSER, R. E., and others. Farmer's 1952 income tax. Md. Agr. Col. Ext. B. 144,28 p. Nov.1952. 275.29 M36B

P. L. Putnam, V. B. Hart, and E. P. Callahan, joint authors.

MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. 1951 extension work in Maryland; thirty-seventh annual report. College Park,1952? 29 p. 275.29 M36

MINNESOTA University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

COOKE, C. Poultry housing. Minn. U. Agr. Ext. B. 121,rev.,16 p. June 1952. 275.29 M66S

RYAN, D. M. Sewage disposal and water systems on the farm. Minn. U. Agr. Ext. B. 247,rev.,24 p. July 1952. 275.29 M66S

SNYDER, L. C., and SMITH, M. E. Woody plants for Minnesota. Minn. U. Agr. Ext. B. 267,24 p. Mar.1952. 275.29 M66S

MORRIS, W. E., and JORDAN, P. S. Fattening lambs. Minn. U. Agr. Ext. Folder 37,rev.,8 p. June 1952 275.29 M66Ex

DANKERS, W. H., and COOKE, C. More money for eggs. Minn. U. Agr. Ext. Folder 80,8 p. June 1952. 275.29 M66Ex

COOKE, C. Cannibalism and egg eating in poultry. Minn. U. Agr. Ext. Folder 149,rev.,6 p. June 1952. 275.29 M66Ex

CALDWELL, A. C. Better stand + proper fertilization = more corn per acre. Minn. U. Agr. Ext. Folder 166,6 p. Apr.1952. 275.29 M66Ex

JONES, H. E. Barnyard manure. Minn. U. Agr. Ext. Folder 168,10 p. Aug.1952. 275.29 M66Ex

CLELAND, S. B., and MORRIS, W. E. Pasture feeding of beef cattle. Minn. U. Agr. Ext. Folder 169, 12 p. Aug.1952. 275.29 M66Ex

GRANOVSKY, A. A. How to control wireworms. Minn. U. Agr. Ext. Folder 170,6 p. June 1952. 275.29 M66Ex

GRANOVSKY, A. A. How to control cutworms Minn. U. Agr. Ext. Folder 171,8 p. June 1952. 275.29 M66Ex

TURNQUIST, O. C. Harvesting and storing garden vegetables. Minn. U. Agr. Ext. Folder 172,8 p. June 1952. 275.29 M66Ex

PEDERSON, H. C., and others. It pays to protect stored grain. Minn. U. Agr. Ext. Folder 173,8 p. Nov.1952. 275.29 M66Ex

C. M. Christensen, H. L. Parten, and D. M. Ryan, joint authors.

DVORACEK, D. C. Who gets the consumer's dollar? Minn. U. Agr. Ext. Pam. 185,4 p.-folder. June 1952. 275.29 M66P

MISSOURI University, College of Agriculture, Agricultural Extension Service, Columbia

CRILE, L., and others. Use of radio by extension workers in the North Central States. Columbia, U. Mo. Col. Agr.,Ext. Serv.,1952. 64 p. 275 C862

Central Region Radio Study Committee, cooperating.

MONTANA State College, Extension Service, Bozeman

LOUGHEAD, M. E. Montana grasslands, route to better living. Mont. State Col. Ext. Folder 17,6 p. Jan.1952. 275.29 M76Fol

FARRIS, M., and STUCKY, H. R. Your valuable papers, do you know where they are? Mont. State Col. Ext. Folder 19,6 p. Feb.1952. 275.29 M76Fol

TRETSVEN, J. O. Preventing mastitis by good herd management. Mont. State Col. Ext. Folder 21, 6 p. May 1952. 275.29 M76Fol

STUCKY, H. R. Looking ahead with Montana farmers and ranchers. Mont. State Col. Ext. Folder 22, 12 p. Sept.1,1952. 275.29 M76Fol

NEBRASKA University, College of Agriculture, Agricultural Extension Service, Lincoln

NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Questions and answers on grass and legume silage. Nebr. Agr. Col. Ext. C. C. 113,8 p. May 1952. 275.29 N272Cc

NIBLER, C. W. Dairy herd management. Nebr. Agr. Col. Expt. E. C. 631,48 p. Apr.1952. 275.29 N272Ex

WIGGANS, C. C. Growing grapes in Nebraska. Nebr. Agr. Col. Ext. E. C. 1257,rev.,16 p. Mar.1952. 275.29 N272Ex

WHITNEY, W., and others. Garden vegetables. Nebr. Agr. Col. Ext. E. C. 1274,12 p. 1952. 275.29 N272Ex

W. Ringler, R. Helm, and J. Weihing, joint authors.

NEW JERSEY State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

BRIGGS, R. A. Growing alfalfa in New Jersey. N. J. Agr. Col. Ext. L. 94,8 p. Sept.1952. 275.29 N46L

BRADSHAW, P. P. Your baby sitter. N. J. Agr. Col. Ext. L. 95,4 p. Sept.1952. 275.29 N46L

NISSLEY, C. H. Dandelion as a New Jersey crop. N. J. Agr. Col. Ext. L. 96,4 p. Sept.1952. 275.29 N46L

KORBOBO, R. P. How to landscape your home. N. J. Agr. Col. Ext. L. 97,8 p. Sept.1952. 275.29 N46L

NEW YORK State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

BOTSFORD, H. E. Producing capons for home and market. N. Y. Agr. Col. Cornell Ext. B. 143,rev., 15 p. Oct.1952. 275.29 N48E

FAIRBANKS, F. L., and GOODMAN, A. M. Principles of dairy-stable ventilation and construction of flues. N. Y. Agr. Col. Cornell Ext. B. 151,rev.,36 p. Sept.1952. 275.29 N48E

WEAVER, E. K. A simple way to iron a shirt, revised by D. W. Cousens. N. Y. Agr. Col. Cornell Ext. B. 629,rev.,6 p. Nov.1952. 275.29 N48E

MOE, E. O. New York farmers' opinions on agricultural programs. N. Y. Agr. Col. Cornell Ext. B. 864,62 p. Nov.1952. 275.29 N48E

EARLE, W. More efficiency on your poultry farm. N. Y. Agr. Col. Cornell Ext. B. 868,16 p. Nov. 1952. 275.29 N48E

ADAMS, G., and YOUNG, F. The 4-H Club clothing handbook. N. Y. Agr. Col. Ext. Cornell Misc. B. 12,20 p. Jan.1953. 275.29 N48Cm

FOSS, E. W. Rural fire protection; a report. N. Y. Agr. Col. Ext. Cornell Misc. B. 13,23 p. Jan.1953. 275.29 N48Cm

NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Chemical control of weeds in potatoes, by O. Smith. Ithaca,1952. 1 p. 275.2 N482Che

NORTH CAROLINA University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

RITCHER, P. O., and JONES, G. D. Vegetable insect control. N. C. Agr. Col. Ext. C. 313,rev.,23 p. Oct.1952. 275.29 N811

LOVE, H. M., TURNER, W. L., and CALLAHAN, E. P. Farmer's income tax, 1952. N. C. Agr. Col. Ext. C. 366,rev.,32 p. Nov.1952. 275.29 N811

WHISNANT, M. Easier ironing. N. C. Agr. Col. Ext. C. 372,16 p. Aug.1952. 275.29 N811

NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Cooking the 4-H way. N. C. Agr. Col. Ext. Club Ser. 15,rev.,52 p. June 1952. 275.29 N811C

GRIMSLEY, C. J. Family teamwork. N. C. Agr. Col. Ext. Misc. Pam. 120,rev.,15 p. July 1952. 275.29 N811M

GRIMSLEY, C. J. Attitudes are important. N. C. Agr. Col. Ext. Misc. Pam. 137,11 p. July 1952. 275.29 N811M

NORTH CAROLINA LIBRARY COMMISSION. Good reading for home demonstration clubs. Raleigh, N. C. Agr. Ext. Serv.,1952? 19 p. 275.29 N811G

OHIO State University, College of Agriculture, Agricultural Extension Service, Columbus

OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Community service guide for Ohio, 1952-53, and 72nd annual Community Institute report. Ohio. Agr. Col. Ext. Commun. Inst. CI 20,71 p. Sept.1952. 4 Oh3

OKLAHOMA Agricultural and Mechanical College, Extension Division, Stillwater

ARMSTRONG, O. Appropriate finishes. Okla. Agr. Col. Ext. C. 269,39 p. n.d. 275.29 Ok41C

AHRBERG, F. Oklahoma 4-H pig club manual. Okla. Agr. Col. Ext. C. 445,24 p. n.d. 275.29 Ok41C

SPIVEY, G. L. You can make slip covers. Okla. Agr. Col. Ext. C. 498,16 p. n.d. 275.29 Ok41C

PHAGAN, C. V., and BELL, E. R. Labor saving ideas for the farm. Okla. Agr. Col. Ext. C. 573, 8 p. n.d. 275.29 Ok41C

HUNTER, E. D. More dollars from cotton. Okla. Agr. Col. Ext. C. 576,14 p. n.d. 275.29 Ok41C

MILLER, W. W. Facing winter feeding problems. Okla. Agr. Col. Ext. C. 577,8 p. n.d. 275.29 Ok41C

STINNETT, L. H. Facing winter feeding problems. Okla. Agr. Col. Ext. C. 578,7 p. n.d. 275.29 Ok41C

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Have your soil tested; know what it needs. Okla. Agr. Col. Ext. C. 579, 8 p.-folder. n.d. 275.29 Ok41C

OKLAHOMA AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Wheat kernel damage by N. V. Whitehair. Stillwater,1952? 6 p.-folder. 275.2 Ok4Wh

OREGON State College, Federal Cooperative Extension Service, Corvallis

COYLE, B. W. Oregon's grain and hay crops, statistical yearbook. Oreg. State Col. Ext. B. 729,51 p. Nov.1952. 275.29 Or32B
Supersedes Extension Bulletin 692.

DAHL, F. H. Oregon's farm forest products, statistical yearbook. Oreg. State Col. Ext. B. 730,14 p. Nov.1952. 275.29 Or32B
Supersedes Extension Bulletin 691.

PENNSYLVANIA State College, Agricultural Extension Service, State College

COOPER, A. E. Establishing the new lawn. Pa. State Col. Agr. Ext. C. 407,9 p. Sept.1952. 275.29 P38C

PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Show and tell. Pa. State Col. Agr. Ext. C. 409,15 p. Nov.1952. 275.29 P38C

BAKER, A. L. Pennsylvania 4-H Clubs. Pa. State Col. Agr. Ext. C. 410,20 p. Nov.1952. 275.29 P38C

EAKIN, J. H. Birdsfoot trefoil. Pa. State Col. Agr. Ext. C. 411,9 p. Nov.1952. 275.29 P38C

PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Artificial breeding of turkeys. Pa. State Col. Agr. Ext. L. 152,6 p.-folder. Oct.1952. 275.29 P38L

MCCURDY, J. A., and MADISON, L. C. Electric pig-brooders. Pa. State Col. Agr. Ext. L. 153,6 p.-folder. Nov.1952. 275.29 P38L

BLACK, S., and SEELY, P. Making slip covers. Pa. State Col. Agr. Ext. Spec. C. 5,18 p. Nov.1952. 275.29 P382Sp

SOUTH CAROLINA, Clemson Agricultural College, Extension Service, Clemson

NAPIER, J. M. Growing Camellias as a hobby. Clemson Agr. Col. S. C. Ext. C. 377,24 p. Sept.1952. 275.29 So8E

WOODLE, H. A., and TURNER, E. C. Lime for South Carolina soils. Clemson Agr. Col. S. C. Ext. C. 378,15 p. Sept.1952. 275.29 So8E

UTAH State Agricultural College, Extension Service, Logan

NOYES, H. Storage for your home. Utah. State Agr. Col. C. 166,14 p. Aug.1952. 275.29 Ut1

TAYLOR, M., and MICHAELSON, L. Reducing livestock losses. Utah. State Agr. Col. Ext. Fact Sheet 1, 4 p. Feb.1952. 275.29 Ut1F

KEETCH, R. R. Two methods for determining fineness of wools. Utah. State Agr. Col. Ext. Fact Sheet 2,2 p. May 1952. 275.29 Ut1F

GARDNER, R. H. Current trends in carpeting. Utah. State Agr. Col. Ext. Fact Sheet 3,4 p. Apr.1952. 275.29 Ut1F

BAIRD, G. T., and BINGHAM, G. H. Growing spring wheat in Utah. Utah. State Agr. Col. Ext. Fact Sheet 4,4 p. Mar.1952. 275.29 Ut1F

WILSON, R. Father-son business arrangements, a way to keep the farm in the family. Utah. State Agr. Col. Ext. Fact Sheet 5,4 p. Mar.1952. 275.29 Ut1F

MOORE, R. R. Farm windbreaks in Utah. Utah. State Agr. Col. Ext. Fact Sheet 6,4 p. Aug.1952. 275.29 Ut1F

HENDERSON, G. R. Silage for increased feed production. Utah. State Agr. Col. Ext. Fact Sheet 7,4 p. June 1952. 275.29 Ut1F

TAYLOR, M. H., and MICHAELSEN, L. C. Market farm products by weight. Utah. State Agr. Col. Ext. Fact Sheet 9,4 p. June 1952. 275.29 Ut1F

BAIRD, G. T. Weed control with 2,4-D. Utah. State Agr. Col. Ext. Fact Sheet 10,2 p. June 1952. 275.29 Ut1F

RICH, L. H. Dairy Herd Improvement makes a change. Utah. State Agr. Col. Ext. Fact Sheet 11,4 p. June 1952. 275.29 Ut1F

ANDERSON, E. M. Recommended vegetable varieties for Utah. Utah. State Agr. Col. Ext. Fact Sheet 12,4 p. June 1952. 275.29 Ut1F
Replaces Circular 229.

GARDNER, R. H. Easier ironing. Utah. State Agr. Col. Ext. Fact Sheet 13,4 p. July 1952. 275.29 Ut1F

MOORE, R. R. Treating fence posts for long life. Utah. State Agr. Col. Ext. Fact Sheet 14,4 p. July 1952. 275.29 Ut1F

GARDNER, R. H. Soap making—no boil method Utah. State Agr. Col. Ext. Fact Sheet 15,4 p. Aug.1952. 275.29 Ut1F

BARKER, J. R. Easier irrigation with canvas and plastic dams. Utah. State Agr. Col. Ext. Fact Sheet 16,2 p. Aug.1952. 275.29 Ut1F

HARRIS, L. E., and ANDERSEN, E. M. Feeding sweet corn and pea by-products; their value with comparisons. Utah. State Agr. Col. Ext. Fact Sheet 17,4 p. Aug.1952. 275.29 Ut1F

MILLER, E. Food plans to meet your protein needs. Utah. State Agr. Col. Ext. Fact Sheet 18,4 p. n.d. 275.29 Ut1F

MILLER, E. Fall and winter menus. Utah. State Agr. Col. Ext. Fact Sheet 19,4 p. n.d. 275.29 Ut1F

LEVIN, M. D., and KNOWLTON, G. F. Information on beekeeping literature. Utah. State Agr. Col. Ext. Mimeog. Ser. 84,4 p. Apr.1952. 275.29 Ut1Ms

VERMONT University, College of Agriculture, Agricultural Extension Service, Burlington

BEATTY, C. A. Color makes your home interesting. Vt. Agr. Col. Ext. Brieflet 871,6 p. 1952? 275.29 V59E

VERMONT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Demonstrations for 4-H Club members. Burlington,1952. 15 p. (NEC-22) 275.29 V59N

VIRGINIA Agricultural and Mechanical College and Polytechnic Institute, Agricultural Extension Division, Blacksburg

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRONOMY DEPT. For top pastures, top-dress. Va. Agr. Col. Ext. C. 533,rev.,6 p.-folder. Nov.1952. 275.29 V81C

EPPERSON, G. R., and others. The Virginia farm and home account book. Va. Agr. Col. Ext. C. 536, 34 p. Jan.1952. 275.29 V81C
K. Bundy, H. Alverson, A. H. Fuller, and K. E. Loope, joint authors.

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Make your own picture frame. Va. Agr. Col. Ext. C. 539,1 p. Jan.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Chair reseating with rush, fiber and Hong Kong grass. Va. Agr. Col. Ext. C. 540, 2 p. Jan.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Why settle for less? 100 bushels [of corn] per acre. Va. Agr. Col. Ext. C. 541, 6 p.-folder. Apr.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Tomatoes, easy to grow—easy to can—easy to serve. Va. Agr. Col. Ext. C. 542, 1 p. Apr.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Posture in housework. Va. Agr. Col. Ext. C. 543,7 p. May 1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Improved ironing center. Va. Agr. Col. Ext. C. 544,3 p. Apr.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Your 4-H insect project. Va. Agr. Col. Ext. C. 545,4 p. May 1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Plant, grow, freeze, fruits and vegetables. Va. Agr. Col. Ext. C. 547,2 p. June 1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Flower arrangement for your room. Va. Agr. Col. Ext. C. 548,2 p. June 1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Ground rock phosphate. Va. Agr. Col. Ext. C. 549,8 p.-folder. June 1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Arranging your bedroom furniture. Va. Agr. Col. Ext. C. 550,2 p. June 1952. 275.29 V81C

ROWELL, J. O., and WHITESIDE, A. M. The spittlebug [Cercopidae] and how to control it. Va. Agr. Col. Ext. C. 552,6 p.-folder. July 1952. 275.29 V81C

JAMISON, R., and SETTLE, M. B. Transparent finishes for wood floors. Va. Agr. Col. Ext. C. 553,7 p. July 1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Suitable containers and holders for flowers. Va. Agr. Col. Ext. C. 554,2 p. July 1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. 4-H project manual, market beef. Va. Agr. Col. Ext. C. 555,6 p.-folder. July 1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. How to choose and hang pictures. Va. Agr. Col. Ext. C. 557,3 p. Sept.1952. 275.29 V81C

VIRGINIA FARM ELECTRIFICATION COUNCIL. Give your corn air! Va. Agr. Col. Ext. C. 558,8 p. Aug.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. How to make and use a bulletin board. Va. Agr. Col. Ext. C. 559,1 p. Aug.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. How to make a scarf or a towel. Va. Agr. Col. Ext. C. 560,2 p. Aug.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. The why, what and how of Virginia soil conservation districts. Va. Agr. Col. Ext. C. 561,12 p. Sept.1952. 275.29 V81C

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. A wrist pincushion! Va. Agr. Col. Ext. C. 562,1 p. Oct.1952. 275.29 V81C

WASHINGTON State College, Extension Service, Pullman

WICHERS, H. E., and LOCKRIDGE, D. Planning your poultry houses. Wash. State Col. Ext. B. 468, 8 p. Nov.1952. 275.29 W27P
Washington State College, Poultry Council cooperating.

GILDEN, R. O., and WOODWARD, G. O. Low-cost irrigation structures. Wash. State Col. Ext. B. 469, 16 p. Sept.1952. 275.29 W27P

BREAKEY, E. P., BRANNON, D., and EIDE, P. M. Control of strawberry root weevils [Brachyrhinus ovatus]. Wash. State Col. Ext. C. 169,rev.,4 p. Nov. 1952. 275.29 W27C

HARRIS, E., and ECKBLAD, I. We like to eat. Wash. State Col. Ext. C. 210,8 p.-folder. Oct.1952. 275.29 W27C

HOBSON, K. Keeping up on the farm outlook. Wash. State Col. Ext. C. 220,6 p.-folder. Dec.24,1952. 275.29 W27C

ECKBLAD, I., NOYES, H., and HICKS, R. S. In and out of the food freezer. Wash. State Col. Ext. Mimeog. 1405,2 p. Dec.1952. 275.29 W27Mi

WEST VIRGINIA University, College of Agriculture, Agricultural Extension Service, Morgantown

HASH, T. R. Brooding chicks for broilers or layers. W. Va. Agr. Col. Ext. C. 362,10 p. Sept.1952. 275.29 W522C

WISCONSIN University, College of Agriculture, Agricultural Extension Service, Madison

TRENK, F. B. Producing boltwood. Wis. Agr. Col. Ext. C. 415,15 p. July 1952. 275.29 W75C

HUNT, V. Cooperating with the teen age. Wis. Agr. Col. Ext. C. 428,16 p. July 1952. 275.29 W75C

HALL, I. F., and others. Farmer's 1952 income tax. Wis. Agr. Col. Ext. Spec. C. 12,rev.,32 p. Dec.1952. 275.29 W75S
R. H. Baker, E. M. Elwood, A. M. Nichter, and E. P. Callahan, joint authors.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

FAO Fisheries Bulletin 5:165-214. Sept./Oct. 1952. 414.9 F73

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Audited accounts, 1950. Food & Agr. Organ. United Nations. Conf. 6(C51/25),47 p. 1951. 389.9 F735Conc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Bibliography of forestry and forest products January - December 1951. Rome,1951. 216 p. 241.01 B472

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Council's recommendation regarding arrangements for the sixth conference session. Food & Agr. Organ. United Nations. Conf. 6(C51/25), 7 p. 1951. 389.9 F735Conc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Draft budget for 1952-1953. Food & Agr. Organ. United Nations. Conf. C 6(17),93 p. 1951. 389.9 F735Conc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Fertilizers—a world report on production and consumption. Rome,1952. 46 p. (FAO/52/7/4819) 57.2 F73

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Food and agricultural legislation. v. 1, No. 1. Rome,Italy,1952. various pagings. 389.59 F732

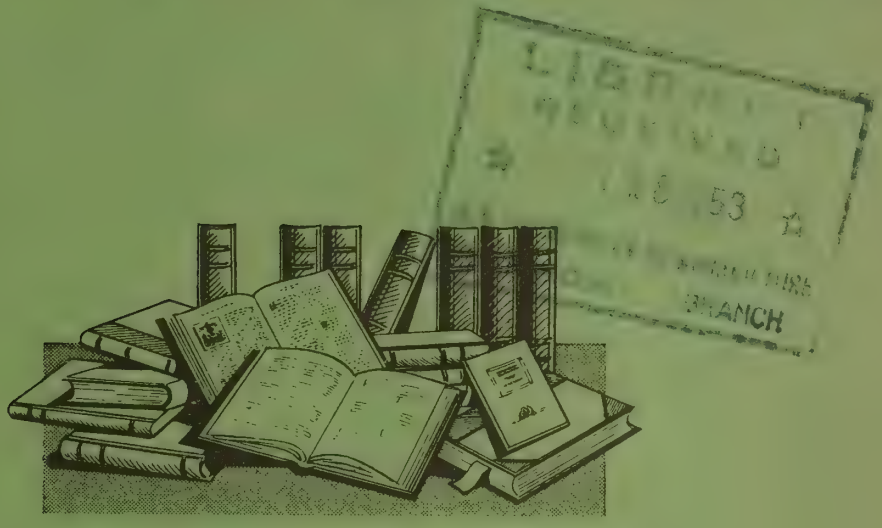
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Monthly bulletin [of] agricultural economics and statistics 1(6),44 p. Oct.1952. 251 F73Mb

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of working party on the program of work and associated long-term problems. Food & Agr. Organ. United Nations. Conf. 6 (C51/25),34 p. 1951. 389.9 F735Conc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Statement of forestry principles. Food & Agr. Organ. United Nations. Conf. 6(C51/25),16 p. 1951. 389.9 F735Conc

UNASYLVA 6(3),p.97-148. Sept.1952. 99.8 Unl

BIBLIOGRAPHY OF AGRICULTURE



U.S. DEPARTMENT
OF AGRICULTURE
LIBRARY

MS 30514-39482 APRIL 1953 VOL. 17, No. 4

The subject index for volume 17 of the Bibliography of Agriculture will appear as number 12 of volume 17, the issue of December 1953.

Abbreviations used in this publication are from the United States Department of Agriculture Bibliographical Bulletin 12, List of Serials Currently Received in the Library of the United States Department of Agriculture, November 1, 1949. June 1950.

Call numbers following the citations are those of the United States Department of Agriculture Library. Please use them when requesting publications on loan from the Library.

Except for printed publications of the Department of Agriculture which are usually available in limited supply for free distribution, the publications listed herein are not available for free distribution from the Department. However, photoprint or microfilm copies of any publication listed may be obtained from the Library. Copying charges for each periodical article or book are:

MICROFILMS:
$1.00 for each 50 pages or fraction thereof from a single article or book.

PHOTOPRINTS:
$1.00 for each 10 pages or fraction thereof from a single article or book.

ALL CHARGES ARE CASH WITH ORDER. (Only Federal agencies are exempt.)
Enclose payment in cash, library coupon, check, or money order drawn to the Treasurer of the United States.

LIBRARY COUPONS—United States Department of Agriculture Library coupons valued at $1.00 each may be ordered in any quantity.

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Mar. 31, 1953).

UNITED STATES DEPARTMENT OF AGRICULTURE
LIBRARY

BIBLIOGRAPHY OF AGRICULTURE

Vol. 17 | April 1953 Items 30514-39482 | No. 4

CONTENTS

	Item
Plant Science	30514-32545
Systematic and Geographic Botany	30581
Spermatophytes	30592
Pteridophytes	30687
Bryophytes	30699
Algae	30724
Fungi	30735
Pathology	30792
Fungus Diseases	30914
Bacterial Diseases	31069
Virus Diseases	31090
Nematodes	31138
Ecology	31151
Morphology, Anatomy, and Cytology	31200
Genetics	31284
Physiology	31323
Biochemistry	31549
Field Crops	31604
Cereals	31640
Fiber Crops	31716
Forage and Grasses	31748
Oil Crops	31878
Sugar Crops	31881
Tobacco	31908
Horticultural Crops	31922
Fruits	31953
Citrus and Subtropical	32002
Deciduous	32050
Small	32083
Nuts	32133
Shade Trees and Ornamental Plants	32142
Vegetables	32341
Weeds and Poisonous Plants	32409
Miscellaneous	32484
Soils and Fertilizers	32546-33162
Soil Science	32546
Soil Physics	32549
Soil Chemistry	32575
Soil Biology	32613
Soil-Plant-Animal Relationships	32630
Soil Genesis, Formation, Classification and Mapping	32631
Soil Management	32651
Soil Fertility	32693
Tilth and Tillage	32893
Drainage, Irrigation, Water Supply, etc.	32907
Erosion and Control	33028
Sanitation	33098
Materials for Soil Improvement	33099
Primary Materials	33102
Secondary and Minor Element Materials	33108
Mixed Fertilizers and Fertilizer Technology	33112
Fertilizer Statistics	33120
Manures and Composts	33143
Forestry	33163-33692
General	33163
Education	33195
Policies, Programs, Administration	33201
Legislation and Taxation	33238
Description and Resources	33246
Individual Genera	33261
Forest Management and Finance	33304
Farm Woodlands	33343
Mensuration, Surveying, Photogrammetry	33347
Silviculture	33360
Silvicultural Practices	33380
Seeding and Planting	33398
Forest Protection and Damage	33442
Fire	33455
Forest Influences	33465
Miscellaneous Forest Uses	33470
Forest Industries and Trade	33471
Lumbering	33493
Lumbering Equipment	33500
Logging	33505
Sawmills	33518
Processing and Woodworking	33531
Seasoning, Conditioning and Finishing	33540
Wood Preservation and Damage	33555
Forest Products	33567
Lumber and Rough Products	33575
Building Construction	33587
Veneers, Plywood and Adhesives	33592
Furniture	33608
Containers	33612
Pulp and Paper	33615
Chemical Products and Distillates	33637
Naval Stores	33648
Other Forest Products	33654
Wood Technology	33665
Properties and Structure	33684
Animal Industry	33693-35216
Breeds and Breeding	33693
Feeds and Feeding	33718
Veterinary Medicine	33828
Miscellaneous	33989
Cattle	34031
Breeds and Breeding	34031
Feeds and Feeding	34171
Veterinary Medicine	34244
Miscellaneous	34397
Dogs and Cats	34471
Breeds and Breeding	34471
Feeds and Feeding	34494
Veterinary Medicine	34501
Miscellaneous	34552
Fur Animals - Pen Raised	34567
Breeds and Breeding	34567
Feeds and Feeding	34579
Veterinary Medicine	34587
Miscellaneous	34594
Horses and Mules	34605
Breeds and Breeding	34605
Feeds and Feeding	34622
Veterinary Medicine	34625
Miscellaneous	34650
Laboratory Animals, Small	34664
Breeds and Breeding	34664
Veterinary Medicine	34665
Miscellaneous	34667

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
$6.00 per year, domestic; $8.00 per year, foreign. Single copies vary in price.

	Item
Poultry	34669
Breeds and Breeding	34669
Feeds and Feeding	34717
Veterinary Medicine	34763
Miscellaneous	34837
Rabbits	34971
Breeds and Breeding	34971
Feeds and Feeding	34982
Veterinary Medicine	34986
Miscellaneous	34990
Sheep and Goats	35000
Breeds and Breeding	35000
Feeds and Feeding	35036
Veterinary Medicine	35052
Miscellaneous	35086
Swine	35102
Breeds and Breeding	35102
Feeds and Feeding	35118
Veterinary Medicine	35151
Miscellaneous	35199
Entomology	35217-36132
General - Economic	35252
Insecticides	35365
Apiculture and Apis Mellifera	35403
Arachnida, etc.	35521
Coleoptera	35594
Diptera	35710
Culicidae	35811
Hemiptera	35833
Hymenoptera	35909
Lepidoptera	35950
Orthoptera	36055
Sericulture and the Silkworm	36087
Smaller Orders	36094
Agricultural Engineering	36133-36504
General and Miscellaneous	36133
Machines and Equipment	36146
Animal Husbandry	36211
Cultivation and Tillage	36229
Fertilizer and Seed Distributors	36247
Harvesting	36253
Processing Equipment Used on the Farm	36288
Repair, Maintenance, and Construction	36303
Spraying and Dusting	36319
Vehicles	36335
Structures and Rural Housing	36292
Animal Shelters and Service Buildings	36406
Farmhouses and Farmsteads	36446
Greenhouses and Plant Service Buildings	36462
Materials and Methods	36465
Storage Structures	36466
Walls and Fences	36472
Utilities	36476
Electricity and Electrification	36476
Heating, Lighting and Radiation	36492
Water Supply	36497
Agricultural Products: Processing, Distribution, and Statistics	36505-38225
Analysis and Composition	36533
Consumption, etc.	36552
Distribution, etc.	36558
Grading, etc.	36606
Packing and Packaging	36620
Prices, etc.	36627
Processing and Storage	36643
Statistics	36698
Beverages and Condiments	36728
Dairy Products	36852
Analysis and Composition	36943
Consumption, etc.	36990
Distribution, etc.	36992
Grading, etc.	37024
Packing and Packaging	37049
Prices, etc.	37055
Processing and Storage	37070
Statistics	37150
Feed and Forage Crops	37154
Fibers and Textiles	37192
Fruits, Vegetables, and Nuts	37358
Analysis and Composition	37408
Consumption, etc.	37424
Distribution, etc.	37429
Grading, etc.	37464
Packing and Packaging	37484
Prices, etc.	37491
Processing and Storage	37496
Statistics	37569
Grain and Grain Products	37589
Honey and Beeswax	37732
Livestock and Livestock Products	37744
Analysis and Composition	37808
Consumption, etc.	37821
Distribution, etc.	37823
Grading, etc.	37844
Packing and Packaging	37858
Prices, etc.	37859
Processing and Storage	37867
Statistics	37907
Oils and Oilseeds	37921
Poultry and Poultry Products	38008
Rubber and Rubber Substitutes	38067
Seeds	38078
Sugar and Sirups	38101
Tobacco	38173
Miscellaneous	38201
Agricultural Economics and Rural Sociology	38226-39223
Agricultural Finance	38257
Credit	38267
Income	38328
Inflation	38331
Insurance	38332
Taxation	38347
Agricultural Labor and Wages	38378
Agriculture - Situation, Policies, and Programs	38421
Cost and Standard of Living	38611
Farm Management and Land Economics	38612
Bookkeeping and Records	38698
Costs and Returns	38712
Land Settlement and Colonization	38759
Lant Tenure	38775
Land Utilization	38837
Land Values, etc.	38853
Population	38867
Rural Social Organization	38879
Human Ecology	38912
Institutions	38924
Rural Organizations and Movements	39077
Rural Social Psychology	39144
Trade, Foreign and International	39150
Food and Human Nutrition	39224-39343
Food Habits	39287
Nutritive and Vitamin Content	39288
Miscellaneous	39344-39482
History and Biography	39392
Home Management	39430
International Relations	39438
Meteorology	39443
Personnel	39451
Research	39452
Statistics	39481

U. S. D. A. Publications p. 191

State Agr. Expt. Sta. Publications p. 197

State Agr. Ext. Serv. Publications p. 200

Food and Agr. Organ. of the U. N. p. 202

AUTHOR INDEX p. 205

CORRECTION

In the Feb. 1953 issue the personal author for item 19021 and the ninth entry on p. 192 of the checklist of U. S. D. A. Publications should be C. H. Keirstead.

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Mar. 31, 1953)

PLANT SCIENCE

GENERAL

30514 AKATSU, K. Studies on the antibiotic substance produced by Aspergillus japonicus. 2. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:517-519. 1952. 385. Ag8
English summary.

30515 ANDERSSON, G. Annual meeting of the Swedish Seed Association at Svalöf, July 23, 1952. (In Swedish.) Sveriges Utsädesfor. Tidskr. 62:415-422. 1952. 61.9 Sv23

30516 ARÈNES, J., and DEPAPE, G. Contribution a l'étude des flores fossiles d'Asie Mineure. Mus. Natl. d'Hist. Nat. B. (ser.2)24:328-332. Ref. May 1952. 410.9 P213

30517 BANK, T. P. Botanical and ethnobotanical studies in the Aleutian Islands. I. Aleutian vegetation and Aleut culture. Mich. Acad. Sci. Arts & Let. Papers 37:13-30. 1951,pub.1952. 500 M582

30518 BARBOUR, C. Highlights of the proposed botanic garden plan. Green Thumb [Denver] 10(2):17-18. Feb.1953. 80 G82

30519 BARTLETT, H. H. A Batak and Malay chant on rice cultivation, with introductory notes on bilingualism and acculturation in Indonesia. Amer. Philos. Soc. Ybk. 96:629-652. Ref. Dec.1952. 500 P533

30520 BHARDWAJ, D. C. On a new species of Taxoxylon Unger from the Jurassic of Rajmahal Hills, Bihar, India. Lloydia 15:234-240. Ref. Dec.1952. 442.8 L77

30521 BOUREAU, E. Etude des flores fossiles du Territoire du Tchad. I. Mus. Natl. d'Hist. Nat. B. (ser.2) 24:223-232. Mar.1952. 410.9 P213

30522 BUREAU, R. Un jardin botanique à Québec. Nat. Canad. 79:283-284. Aug./Sept.1952. 410 N216

30523 CAMAITI, A. The greatest gift of earth to man. (In Italian.) Agricoltura 1(11):13-20. Nov.1952. 16 Ag8226
Trees.

30524 CARPENTIER, A. En marge des Gnétales. Rev. Gèn. des Sci. Pures et Appl. 59:272-288. Ref. 1952. 473 R324

30525 CASALINI, M. Trees in art. (In Italian.) Agricoltura 1(11):71-75. Nov.1952. 16 Ag8226

30526 CHASTAIN, A. Le second voyage aux îles Kerguelen et les deux erreurs du botaniste Adanson. Nature [Paris] 3211:348-351. Nov.1952. 473 N21

30527 CORTI, R. Leonard de Vinci botanicien. (In Italian.) Italia Forest. e Mont. 7:239-250. Oct.1952. 99.8 It12
French summary.

30528 CRANMER, C. B. Future of the Pine Barrens. Bartonia 26:53-60. Dec.22,1952. 451 P532

30529 DONALDSON, A. G. In excelsis—succulentum; a memorable visit to the Botanical Gardens, Kiel. Natl. Cactus & Succulent J. 7:74. 1952. 450 N21

30530 ELIAS, J. S. W. Plants, flowers and fruits in plastic arts. (In Dutch). Netherlands. Dir. van de Tuinbouw Meded. 15:938-944. Dec.1952. 86 N384
English summary.

30531 EVANS, G. C. A botanical garden in Denver. Green Thumb [Denver] 10(2):16-17. Feb.1953. 80 G82

30532 FERGUSON, C. W., and BLACK, D. M. Tree-ring chronologies on the north rim of the Grand Canyon. Tree-Ring B. 19:12-18. Oct.1952. 99.8 T713

30533 FRIEDE, H. M. Old trees of South Africa. Trees So. Africa 4(2):8,10-14. July/Sept.1952. 99.8 T716

30534 FUKAREK, P. Dendrological marginalia in addition to the botanic manual written by Dr. Radovan Domac. (In Serbo-Croatian.) Sumarski List 76:288-295. Aug.1952. 99.8 Su6

30535 GHENT, A. W. A technique for determining the year of the outside ring of dead trees. Forestry Chron. 28(4):85-93. Dec.1952. 99.8 F7623

30536 GRAMBAST, L. Un nouveau bois tertiaire du Bassin de Paris. Cupressinoxylon matromnense n. sp. Mus. Natl. d'Hist. Nat. B. (ser.2)24:333-340. May 1952. 410.9 P213

30537 GRAVES, A. H. The doctrine of signatures. Herb Grower Mag. 7:3-6. Jan./Mar.1953. 80 Am316

30538 GRIGSON, G. The legend of a plant. Country Life [London] 113:145. Jan.16,1953. 80 C83
Sambucus ebulus.

30539 GUERMEUR, P. Mode de traitement des Diatomées à froid. B. de Micros. Appl. (ser.2)2:109-110. July/Aug.1952. 440.9 So1

30540 HAFERKORN, L. Besuch in Kew. Orion 7:825-832. Oct.1952. 474 Or4

30541 HARRIS, T. M. Notes on the Jurassic flora of Yorkshire. 58-60. Ann. & Mag. Nat. Hist. (ser.12)6:33-52. Jan.1953. 410 An77

30542 HINTZ, C. W. E. Internationalism and scholarship: a comparative study of the research literature used by American, British, French, and German botanists. Chicago,1952. 175 p. 452.6 H59
Thesis - University of Chicago.

30543 HISAUCHI, K. Some foreign plants cultivated in Japan. (In Japanese.) J. Jap. Bot. 27:331-334. Nov. 1952. 450 J8223

30544 HJELMQVIST, A. H. Some cereal impressions from Neolithic time in south Sweden. (In Swedish.) Bot. Not. 3:330-338. Ref. 450 B656
English summary.

30545 HOGELAND, C. The Bible and trees. Pa. Forests 37:86-87,92. Oct./Dec.1952. 99.8 F763

30546 HONDA, M. Some botanical notes on the area of Akan National Park, Hokkaido. (In Japanese.) J. Jap. Bot. 27:346. Nov.1952. 450 J8223

30547 JOHNSON, F. B. Orchid pseudobulbs for candy. Orchid J. 1.468-470. Dec.1952. 80 Or174

30548 JONKER, F. P. Analyse pollinique d'une tourbière dans le delta de l'Ebre. Barcelona. Inst. Bot. Collect. Bot. 3:179-182. 1952. 451 B234

30549 KATS, S. V. The Upper-Miocene forests of Vakh River. (In Russian.) Akad. Nauk SSSR. Dok. 87:849-852. Ref. Dec.11,1952. 511 P444A

30550 KELLY, C. D., and PADY, S. M. Microbiological studies of air over some nonarctic regions of Canada. Canad. J. Bot. 31:90-106. Jan.1953. 470 C16C

30551 KRÜSSMANN. Ein besuch im arboretum von Kew Gardens (London). Deut. Baumsch. 4:299-308. (Cont.) Nov.1952. 80 D486

30552 LANDERKIN, G. B. A contrast technique for plaque counting. Canad. J. Bot. 31:142. Jan.1953. 470 C16C

30553 LANG, G. Zur späteiszeitlichen vegetations- und florengeschichte Südwestdeutschlands. Flora [Jena] 139:243-294. Ref. 1952. 450 F66

30554 LEBOIME, R. Les imprégnations métalliques dans l'étude du plancton. B. de Micros. Appl. (ser.2)2: 103-105. July/Aug.1952. 440.9 So1

30555 MACDONALD, R. E., and BISHOP, C. J. A further survey of plants for antibacterial substances. Canad. J. Bot. 31:123-131. Ref. Jan.1953. 470 C16C

30556 MEHLISCH, K. Eine samensammlung. Saatgut-Wirt. 4:285-286. Dec.1952. 61.8 Sa1

30557 MISSOURI BOTANICAL GARDEN. Sixty-fourth annual report of the Director. Mo. Bot. Gard. B. 41(1), 28 p. Jan.1953. 451 M69B

30558 MOFFETT, B. W. All-America selections for 1953 announced. Farm & Gard. [Watertown], Jan.3,1953: 1,3. 6 F234

30559 NICHOL, A. A. The natural vegetation of Arizona. Ariz. Agr. Expt. Sta. Tech. B. 127:185-230. June 1952. 100 Ar4
Revision of Technical Bulletin 68, by W. S. Phillips.

30560 PADY, S. M., and KELLY, C. D. Studies on microorganisms in Arctic air during 1949 and 1950. Canad. J. Bot. 31:107-122. Jan.1953. 470 C16C

30561 PHILLIPS, V. T., and EWAN, J. A. Writings of Francis Whittier Pennell. Bartonia 26:12-15. Dec.22, 1952. 451 P532

30562 PORPACZY, A. Forschungsarbeiten über die akklimatisation in Ungarn. Theorie und ergebnisse. Acta Agron. [Budapest] 2:81-97. 1952. 19 Ac8
English summary.
Plants.

30563 POTZGER, J. E. What can be inferred from pollen profiles of bogs in the New Jersey Pine Barrens. Bartonia 26:20-27. Ref. Dec.22,1952. 451 P532

30564 RAO, A. R., and VIMAL, K. P. Tertiary pollen from lignites from Palana (Eocene), Bikaner. Natl. Inst. Sci. India. Proc. 18:595-601. Ref. Nov./Dec.1952. 513 N212

30565 RAO, P. L. N., and VERMA, S. C. L. Antibiotic principle of Allium sativum; the structure of allicin preparation and properties of diphenyl disulphide oxide. Indian Inst. Sci. J. 34:315-321. Ref. Oct.1952. 513 In23

30566 READ, C. B. Prosseria grandis, a new genus and new species from the Upper Devonian of New York Wash. Acad. Sci. J. 43:13-16. Jan.1953. 500 W276J

30567 ROSS-CRAIG, S. Drawings of British plants. VI. Portulacaceae, Elatinaceae, Hypericaceae, Malvaceae, Tiliaceae, Linaceae, Geraniaceae, Oxalidaceae, Balsaminaceae, Aquifoliaceae, Celastraceae, Rhamnaceae, Aceraceae. London,Bell,1952. 56 p. 458 R73

30568 RUBY, F. Los nuevos métodos de defensa contra el pedrisco. Inst. Agr. Catalán de San Isidro. Rev. 101:267-271. (Cont.) Nov.1952. 15 Sa5

30569 RUSKOWSKI, J. A. The Desmond Arboretum. N. Y. State Conserv. 7(3):15. Dec.1952/Jan.1953. 286.8 N4822

30570 SALISBURY, SIR, E. Natural selection and plant invasion. So. African J. Sci. 49:115-119. Oct./Nov. 1952. 515 So84

30571 SAMBUCINI, O. Trees in the world: history and wonder through milleniums. (In Italian.) Agricoltura 1(11):76-77. Nov.1952. 16 Ag8226

30572 SANTAPAU, H. The need for a revision of Hooker's "Flora of British India." J. Sci. & Indus. Res. 11A:529-532. Dec.1952. 475 J82

30573 SCHIMMEL, H. The marsh, the marsh water and big heath below Soerendonk. (In Dutch.) Levende Nat. 55:201-205. Nov.1952. 410 L57
Includes vegetation.

30574 STANSFIELD, H. The Royle Herbarium. Pharm. J. 170:74-75,78-79. Jan.31,1953. 396.8 P49

30575 TERRELL, R. P. Land use and settlement in Alachua County, Florida, with special reference to natural vegetation. (Abs.) Ala. Acad. Sci. J. 21/22: 57-58. Feb.1952. 500 AL12

30576 TORREY, R. E., and DAVIS, E. L. The old Massachusetts Herbarium. Rhodora 55(649):7-14. Jan.1953. 450 R34

30577 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Report of the chief, 1951/52. Washington,1953. 118 p. 1 P69

30578 WALKER, E. H. A contribution toward a bibliography of Thai botany. Siam Soc. Nat. Hist. B. 15:27-88. Sept.1952. 513 B222

30579 WARD, F. K. Connemara. Gard. Chron. 133: 22. Jan.17,1953. 80 G162
Vegetation.

30580 WILSON, L. R. An Aftonian plant locality in Lee County, Iowa. Iowa Acad. Sci. Proc. 59:307-321. Ref. 1952. 500 Io93

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

30581 BECHERER, A. Eine kälteflora im bereich der Brusasker Grotti (Puschlav). (Abs.) Schweiz. Bot. Gesell. Ber. 62:664. Dec.1952. 451 Sch9

30582 ERSKINE, J. S. Additions and extensions to the flora of Nova Scotia. Rhodora 55(649):17-20. Jan. 1953. 450 R34

30583 FRANCINI, E. A botanical excursion to the Salentine Peninsula. (In Italian.) Nuovo Gior. Bot. Ital. 58:364-366. 1951,pub.1952. 450 N92

30584 GAUME, R. Excursions botaniques dans la région parisienne. VI. Feuille des Nat. (n.s.)7:78-80. Sept./Oct.1952. 410 F432

30585 GLASSMAN, S. F. The flora of Ponape. Bernice P. Bishop Mus. B. 209,152 p. Ref. 1952. 500 B45B

30586 HISAUCHI, K. Vegetation of Lake Nosori, Gunma Prefecture. (In Japanese.) J. Jap. Bot. 27:305-308. Oct.1952. 450 J8223

30587 KOCH, W. Zur flora der oberitalienischen reisfelder. Schweiz. Bot. Gesell. Ber. 62:628-663. Ref. Dec.1952. 451 Sch9

30588 LEVYNS, M. R. Clues to the past in the Cape flora of today. So. African J. Sci. 49:155-164. Ref. Oct./Nov.1952. 515 So84

30589 MASSEY, A. B. An annotated check list of the flora of Virginia. (Abs.) Va. J. Sci. (n.s.)3:298. Sept.1952. 470 V81

30590 PONCE DE LEON, A. Nociones de botanica sistematica. VII. Soc. Cubana de Bot. Rev. 9:75-90. July/Sept.1952. 451 So123

30591 VASARI, Y. Neue standorte südlicher hainpflanzen in Kuusamo. (In Finnish.) Suomalisen Eläin- ja Kasvitiet. Suran Vanamon. Tiedonannot 6:4-6. 1951. 410.9 Su7T
German summary.

Spermatophytes

30592 ALAIN, FRÈRE. Aperçu sur les Cactacées de Cuba. Cactus [Paris] 7:133-135. Dec.15,1952. 450 C114

30593 ALLEN, P. H. Two new fan palms [Cryosophila] from Central America. Ceiba 3:173-178. Jan.30, 1953. 475 C32

30594 BAKER, M. S. Studies in western violets. VII. Madroño 12:8-18. Jan.1953. 450 M26
Includes Viola californica n. sp.

30595 BANERJI, M. L. Some noteworthy plants from east Nepal. Indian Bot. Soc. J. 31:152-153. 1952. 450 J821

30596 BECHERER, A. Fortschritte in der systematik und floristik der Schweizerflora (gefässpflanzen) in den jahren 1950 und 1951. Schweiz. Bot. Gesell. Ber. 62:527-582. Dec.1952. 451 Sch9

30597 BECHERER, A. Uber Euphrasia christii Favrat. Schweiz. Bot. Gesell. Ber. 62:218-234. Ref. Dec. 1952. 451 Sch9

30598 BEETLE, A. A. Check list of South American grasses collected by A. A. Beetle during 1952. Wyo. Range Mangt. 54,11 p. Jan.1953. 60.19 W99

30599 BERGANN, F. Uber das auftreten einer bisher unbekannten Laburnum-form an der pfropfchimäre Laburnum adami. Flora [Jena] 139:295-299. Ref. 1952. 450 F66

30600 BLAKE, S. T. The identification and distribution of some Cyperaceae and Gramineae, chiefly from Australia. Roy. Soc. Queensland. Proc. 62:83-100. Sept.1952. 514 B775
Includes new species in Stipa and Paspalidium.

30601 BOR, N. L. Notes on Asiatic grasses. XI. The genus Dimeria R. Br. in India and Burma. Kew B. 4:553-592. 1952. 451 K51B

30602 BOYER, J. Les géants du genre Trichocereus. Cactus [Paris] 7:105-108. Dec.15,1952. 450 C114

30603 BRENAN, J. P. M. The Albizzia gummifera complex. Kew B. 4:507-537. 1952. 451 K51B

30604 BRENAN, J. P. M. Plants of the Cambridge Expedition, 1947-1948. III. Kew B. 4:441-458. 1952. 451 K51B
Collections made in Nigeria and the British Cameroons.

30605 BROCKMAN, C. F. Alaska cedar (Chamaecyparis nootkatensis (D. Don.) Spach.) Arboretum B. 15 (4):3. Winter 1952. 451 Ar1

30606 CACCIATO, A. New plants to the Roman flora found at the Ostiense Railway Station, Rome. (In Italian.) Nuovo Gior. Bot. Ital. 58:416-417. 1951, pub.1952. 450 N92
English summary.

30607 CÁRDENAS, M. Notes on southern Bolivian Cactaceae. Natl. Cactus & Succulent J. 7:75-76. 1952. 450 N21
Includes new species in Tephrocactus.

30608 CARDENAS, M. Quelques cactacées nouvelles de Bolivie. Cactus [Paris] 7:125-128. Dec.15,1952. 450 C114
Rhipsalis incachacana, Acanthorhipsalis paranganiensis, Anthorhipsalis paranganiensis and Opuntia ipatiana.

30609 CHEVALIER, A. Vrais et faux pistachiers. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:491-494. Sept./Oct.1952. 26 B323

30610 CINQ-MARS, L. Notes sur quelques additions et plantes rares du Québec. (Sum.) Assoc. Canad.-Franç. pour l'Avanc. des Sci. Ann. 18:79-82. 1952. 517 M76

30611 CRUTTWELL, N. E. G. Orchid hunting in New Guinea. Orchid J. 1:494-497. Dec.1952. 80 Or174

30612 DICKEY, R. D., GILBERT, G., and GROPP, C. M. The genus Aleurites in Florida: I. Botanical characteristics; II. Chemical and physical properties of the oils. Fla. Agr. Expt. Sta. B. 503,40 p. Oct.1952. 100 F66S

30613 EHRENDORFER, F. Galium rotundifolium L. und verwandte sippen in Europa und im Mediterrangebiet. Österr. Bot. Z. 99:625-631. 1952. 450 Os7

30614 FAVARGER, C. Contribution à l'étude caryologique et biologique des Gentianacées. II. Schweiz. Bot. Gesell. Ber. 62:244-257. Ref. Dec.1952. 451 Sch9

30615 FERRE, Y. DE. Division du genre Pinus en quatre sous-genres. Acad. des Sci. Compt. Rend. 236: 226-228. Jan.12,1953. 505 P21

30616 FLEMING, G. L. The mistletoe family. Calif. Gard. 43(4):1-3. Winter 1952. 80 C127
Loranthaceae.

30617 FRANCINI, E. Habitat in the Salentine Peninsula of the endemic Centaurea. (In Italian.) Nuovo Gior. Bot. Ital. 58:377-383. 1951,pub.1952. 450 N92
English summary.

30618 FRANCINI, E. Systematic position of Centaurea diomedea Gasp. var. japygica Lac., as related to Centaurea leucadea Lac. (In Italian.) Nuovo Gior. Bot. Ital. 58:374-377. 1951,pub.1952. 450 N92
English summary.

30619 GAGNEPAIN, F. Cæsalpiniées nouvelles d'Indochine. Mus. Natl. d'Hist. Nat. B. (ser.2)24:317-320. May 1952. 410.9 P213
Includes new species in Erythrophloeum, Cynometra, Sindora and Mezoneuron.

30620 GARAY, L. A. Illustrations of new or critical orchids: Houlletia clarae Schltr. Orchid J. 1:482-483. Dec.1952. 80 Or174

30621 GARJEANNE, A. J. M. Inula. (In Dutch.) Levende Nat. 55:221-227. Dec.1952. 410 L57

30622 GOURLAY, W. B. Puya berteroniana. Kew B. 4:501-506. 1952. 451 K51B

30623 GUILLAUMIN, A. New Caledonian plants collected in 1949 by Dr. O. H. Selling. (97th contribution to the flora of New Caledonia.) Göteborg. Bot. Trädgard. Meddel. 19(1),30 p. 1952. 451 G712
New species in Guoia and Myrtopsis.

30624 HARA, H. Vaccinium uliginosum L. in Japan, with reference to variations in widespread northern species. (In Japanese.) J. Jap. Bot. 27:309-315. Oct. 1952. 450 J8223

30625 HARPER, R. M. Additions to the known vascular flora of Alabama since 1901. (Abs.) Ala. Acad. Sci. J. 21/22:56-57. Feb.1952. 500 AL12

30626 HARRIS, H. W. The orchids of Jamaica. Orchid J. 1:475-480. Dec.1952. 80 Or174

30627 HAUMAN, L. Note sur le genre Berlinia Soland. et sur les genres voisins. Inst. Roy. Colon. Belge. B. des Séances. 23:475-482. 1952. 504 B836
Includes new species in Pseudomacrolobium n.g., Michelsonia n.g., and Isoberlinia.

30628 HAWKES, A. D. Brassia allenii, a rare Panamanian species. Orchid J. 1:500-501. Dec.1952. 80 Or174

30629 HAWKES, A. D. The Madagascar species of Cymbidium. Orchid J. 1:508-509. Dec.1952. 80 Or174

30630 HAWKES, A. D. An orchid new to Colombia. Orchid J. 1:489. Dec.1952. 80 Or174
Galeandra beyrichii.

30631 HENRY, L. K. Podophyllum peltatum forma deamii Raymond in western Pennsylvania. Rhodora 55(649):20. Jan.1953. 450 R34

30632 HESS, H. Über einige neue Strophanthus-arten und -bastarde aus Angola (Afrika). Schweiz. Bot. Gesell Ber. 62:80-103. Ref. Dec.1952. 451 Sch9

30633 HISAUCHI, K. A new locality of Pseudopyxis heterophylla Max. (In Japanese.) J. Jap. Bot. 27:324. Oct.1952. 450 J8223

30634 HIROTA, N. An examination of the camphor tree and its leaf oil. Perfumery & Essential Oil Rec. 44:4-10. Jan.1953. 308.8 P41
Includes a classification of the camphor trees of the world.

30635 HIYAMA, K. On Coptis oligodonta Satake. (In Japanese.) J. Jap. Bot. 27:335-336. Nov.1952. 450 J8223

30636 HORR, W. H., and MCGREGOR, R. L. Kansas plants new to Kansas herbaria VII: Including a new form of Zinnia grandiflora and Petalostemum purpureum. Kans. Acad. Sci. Trans. 55:172-175. June 1952. 500 K13T

30637 HUBBARD, C. E. Whiteochloa, a new genus of grasses from the northern territory of Australia. Roy. Soc. Queensland Proc. 62:109-112. Sept.1952. 514 B775

30638 INGRAM, J. A monograph of the genera Bloomeria and Muilla (Liliaceae). Madroño 12:19-27. Jan.1953. 450 M26

30639 IVENS, A. J. Davidia: are there two species? Gard. Chron. 133:22. Jan.17,1953. 80 G162

30640 KASHEMSANTA, M. C. L., SUVATABANDHU, K., and AIRY SHAW, H. K. A new species of Pueraria (Leguminosae) from Thailand, yielding an oestrogenic principle. Kew B. 4:549-552. 1952. 451 K51B
Includes note on geology, soil and climate, by R. F. Pendleton and K. Suvatabandhu.

30641 KEAY, R. W. J. Revision of the "Flora of West Tropical Africa." Kew B. 4:543-548. 1952. 451 K51B
Includes new species in Dissotis.

30642 KELSO, L. The Rocky Mountain flora. VI. Carex species. Biol. L. 64,3 p. Jan.12,1953. 442.8 B528

30643 KLEBELSBERG, R. VON. Die fehlgebiete der arve [Pinus cembra] in den Schweizer Alpen. Schweiz. Bot. Gesell. Ber. 62:235-238. Dec.1952. 451 Sch9

30644 KRISHNA, S., and BADHWAR, R. L. Aromatic plants of India. XV. J. Sci. & Indus. Res. 11(12,sup.):245-266. Dec.1952. 475 J82

30645 KUCYNIAK, J. Le Lophozia incisa dans le Québec. (Sum.) Assoc. Canad.-Franç pour l'Avanc. des Sci. Ann. 18:74-77. 1952. 517 M76

30646 KULLENBERG, B. Recherches sur la biologie florale des Ophrys. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:53-62. Apr./June 1952. 410.9 So125
Includes attraction for insects.

30647 LAPRAZ, G. L'Iris chamaeiris Bert. en Catalogne. Barcelona. Inst. Bot. Collect. Bot. 3:163-167. 1952. 451 B234

30648 LAPRAZ, G. Une lande à Erica cinerea dans la Serra de Bertí (Catalogne). Barcelona. Inst. Bot. Collect. Bot. 3:175-177. 1952. 451 B234

30649 LEANDRI, J. Les euphorbes epineuses et coralliformes de Madagascar. Cactus [Paris] 7:109-114. (Cont.) Dec.15,1952. 450 C114

30650 LE GALLO, C. Florule de l'Île Marguerite (Saint-Alexandre de Limbour) Vallée de La Gatineau. Nat. Canad. 79:267-276. Ref. Aug./Sept.1952. 410 N216

30651 LEHMANN, E. Von der erforschung einer heimischen pflanzenart Anagallis arvensis—gauchheil. Beitr. z. Biol. der Pflanzen 29:208-219. Ref. 1952. 450 C66

30652 LEPAGE, E. Études sur quelques plantes américaines. II. Hybrides intergénériques: Agrohordeum et Agroelymus. Nat. Canad. 79:241-266. Aug./Sept.1952. 410 N216

30653 LEPAGE, E. Extensions d'aires et additions à la flore du Québec. (Sum.) Assoc. Cand.-Franç. pour l'Avanc. des Sci. Ann. 18:77-79. 1952. 517 M76

30654 LITARDIERE, R. DE. Sur la présence du Cenchrus tribuloides L. dans la zone littorale de la Corse orientale. Acad. des Sci. Compt. Rend. 236:262-264. Jan.19,1953. 505 P21

30655 MAEKAWA, F. Species-differentiation in north-western Kiusiu of Japan. (In Japanese.) J. Jap. Bot. 27:325-330. Nov.1952. 450 J8223
Includes Heterotropa unzen n. sp.

30656 MERKLE, J. Beckmannia syzigachne (Steud.) Fernald. New record for Arizona. Madroño 12:32. Jan.1953. 450 M26

30657 MERRILL, E. D. Reductions in Elaeocarpus. Roy. Soc. Queensland. Proc. 62:49-56. Sept.1952. 514 B775

30658 MOMIYAMA, Y. A red-flowered form of Weigela coracenis. (In Japanese.) J. Jap. Bot. 27:304. Oct.1952. 450 J8223

30659 MORI, K. Ipomoea pescaprae Roth found in the coast of Isl. Tobishima, Yamagata Prefecture. (In Japanese.) J. Jap. Bot. 27:336. Nov.1952. 450 J8223

30660 OCHOA, C. Dos nuevas especies silvestres de papas diploides del Perú. Rev. Argentina de Agron. 19:231-237. Dec.1952. 9 R327
Solanum neohawkesii and S. rhomboideilanceolatum.

30661 PALAU, P. Otra excursión a Cabrera. Barcelona. Inst. Bot. Collect. Bot. 3:183-184. 1952. 451 B234

30662 PELTON, J. Studies on the life-history of Symphoricarpos occidentalis Hook. in Minnesota. Ecol. Monog. 23:17-39. Ref. Jan.1953. 410 Ec72

30663 PENNELL, F. W. The genus Achetaria (Scrophulariaceae) of lowland South America. Acad. Nat. Sci. Phila. Notulae Nat. 244,4 p. May 28,1952. 500 P53No

30664 PIIPARINEN, T. Carex pediformis C.A.Mey. ssp. rhizodes (Blytt) Lindb. fil. und C. scheberi Schrank in der naturhistorischen Provinz Süd-Savo gefunden. (In Finnish.) Suomalisen Eläin- ja Kasvitiet. Suran Vanamon. Tiedonannot 6:43-44. 1951. 410.9 Su7T

30665 RICHARDS, C. D. A preliminary account of Oenothera types in the Keweenaw Peninsula of Michigan. Mich. Acad. Sci. Arts & Let. Papers 37:63-74. 1951, pub.1952. 500 M582

30666 RISSANEN, W. Clematis dioscoreifolia var. robusta (Carr.) Rehd. Torrey Bot. Club. B. 80:95. Jan./Feb.1953. 451 T63B

30667 ROBERTY, G. Notes de botanique quest-africaine. VI. Florule de Vridi en mars 1951. Notes Africaines 56:116-117. Oct.1952. 475 N84

30668 SCHULTES, R. E. Studies in the genus Hevea. V-VI. Harvard U. Bot. Mus. L. 15:247-272. Dec.12, 1952. 451 H262

30669 SILVA, A. R. P. DA., ed. De flora lusitana commentarii ad normam Herbarii Stationis Agronomicae Nationalis. (In Portuguese.) Agron. Lusitana 14:5-58. Ref. 1952. 105.7 Ag8
English summary.
Includes: New plants and new localities for the flora of Portugal, by various authors; Contribution à l'étude des Festuca du Portugal, by R. de Litardière; and Concerning the existence of Callitriche autumnalis in Portugal, by E. J. Mendes.

30670 SMITH, A. C. A new species of Vaccinium from Honduras. Ceiba 3:185-187. Jan.30,1953. 475 C32

30671 SMITH, L. B. A new ornamental bromeliad. Bromeliad Soc. B. 2:63. Nov./Dec.1952. 451 B78
Cryptanthus fosterianus n. sp.

30672 SMITH, L. S. Opisthiolepis, a new genus of Proteaceae from Queensland. Roy. Soc. Queensland. Proc. 62:79-81. Sept.1952. 514 B775

30673 SOULAIRE, J. Sur la spécifité du peyotl. Cactus [Paris] 7:115-116. Dec.15,1952. 450 C114
Lophophorus williamsii.

30674 STANDLEY, P. C. Un Desmodium extraño. Ceiba 3:223-224. Jan.30,1953. 475 C32

30675 STANDLEY, P. C. El nombre de la pimienta gorda [Pimenta dioica] de Centro America. Ceiba 3:171-172. Jan.30,1953. 475 C32

30676 STANDLEY, P. C., and WILLIAMS, L. O. Plantae centrali-americanae. V. Ceiba 3:187-220. Jan. 30,1953. 475 C32
New species in: Tillandsia, Heliconia, Renealmia, Epidendrum, Pleurothallis, Spiranthes, Ficus, Perebea, Phoradendron, Coccoloba, Hilleria, Xylopia, Rourea, Canavalia, Desmodium, Galipea, Zanthoxylum, Acalypha, Croton, Slonea, Chrysochlamys, Terminalia, Calyptranthes, Topobea, Lycianthes, Solanum, and Parmentiera.

30677 STEYERMARK, J. A. Another Coastal Plain relict in the Missouri Ozark region. Rhodora 55(649): 15-17. Jan.1953. 450 R34
Eupatorium hyssopifolium var. calcaratum.

30678 STEYERMARK, J. A., and others. Contributions to the flora of Venezuela. Fieldiana: Bot. 28(2): 243-447. Dec.15,1952. 500 C432B
From Droseraceae through Umbelliferae.

30679 SVENSON, H. K. The Eleocharis obtusa-ovata complex. Rhodora 55(649):1-6. Jan.1953. 450 R34

30680 TUYAMA, T. An albino form of Isodon umbrosus. (In Japanese.) J. Jap. Bot. 27:340. Nov.1952. 450 J8223

30681 TUYAMA, T. A new double form of Hydrangea involucrata found growing wild in Mt. Hakone. (In Japanese.) J. Jap. Bot. 27:303. Oct.1952. 450 J8223

30682 UITEWAAL, A. J. A. Notes on Adromischus (Adromischus roaneanus). Natl. Cactus & Succulent J. 7: 69-70. 1952. 450 N21
New species.

30683 VATRICAN, L. Etudes de fleurs. Cactus [Paris] 7:117-118. Dec.15,1952. 450 C114
Pereskia grandiflora and Mammillaria prolifera.

30684 VICKERY, J. W. Pseudoraphis spinescens (R.Br.) n. comb., and some records of New South Wales grasses. Roy. Soc. Queensland. Proc. 62:69-72. Sept. 1952. 514 B775

30685 WILLIS, J. H. Notes on some Australian Compositae. Roy. Soc. Queensland. Proc. 62:101-107. Sept.1952. 514 B775
Includes new species in Helichrysum and Chthonocephalus.

30686 ZOBEL, B. Geographic range and intraspecific variation of Coulter pine [Pinus coulteri]. Madroño 12: 1-7. Jan.1953. 450 M26

Pteridophytes

30687 BLAKE, S. F. Ophioglossum petiolatum in South Carolina. Amer. Fern. J. 42:151-152. Oct./Dec. 1952. 450 Am35

30688 BOIVIN, B. Two variations of Pteridium aquilinum. Amer. Fern. J. 42:131-133. Oct./Dec.1952. 450 Am35

30689 ISLAM, M. S. Fern flora of East Bengal: 1. A preliminary report on the ferns of Dacca city and suburbs. Pakistan J. Forestry 2:280-282. Oct.1952. 99.8 P17

30690 ITO, H. Miscellaneous notes on the Pteridophyta. (In Japanese.) J. Jap. Bot. 27:337-340. Nov. 1952. 450 J8223
Includes new species Athyrium satowi and Cyclosorus yamawakii.

30691 KENG, H. Families and genera of Formosan pteridophytes. Taiwan Mus. Q. J. 5:25-55. Mar.1952. 513 T133

30692 KURATA, S., and TAKI, I. Cyclosorus oblancifolius Tagawa, new to Japan (Kyūshū). (In Japanese.) J. Jap. Bot. 27:324. Oct.1952. 450 J8223

30693 LUSINA, G. Ecological note on some pteridophytes of Lazio. (In Italian.) Nuovo Gior. Bot. Ital. 58:417-418. 1951,pub.1952. 450 N92
English summary.

30694 RAIZADA, M. B., and VAID, K. M. Ferns of Nepal. Indian Forester 78:576-581. Nov.1952. 99.8 In2

30695 TAGAWA, M. Fern miscellany. 7. J. Jap. Bot. 27:319-323. Oct.1952. 450 J8223

30696 WAGNER, W. H. An Asplenium prototype of the genus Diellia. Torrey Bot. Club. B. 80:76-94. Ref. Jan./Feb.1953. 451 T63B

30697 WAGNER, W. H. The genus Diellia and the value of characters in determining fern affinities. Amer. J. Bot. 40:34-40. Ref. Jan.1953. 450 Am36

30698 WEATHERBY, U. F. The English names of North American ferns. Amer. Fern. J. 42:134-151. Oct./Dec.1952. 450 Am35

Bryophytes

30699 AMAKAWA, T. Studies on the Japanese species of Cephalozia (Hepaticae). 2. Hattori Bot. Lab. J. 8:55-62. Sept.1952. 451 H28

30700 ARNELL, S. Hepaticae collected in south and west Africa 1951. Bot. Not. 3:307-329. Ref. 1952. 450 B656
Includes new species in Riccia, Fossombronia, and Cephaloziella.

30701 CASAS DE PUIG, C. Una excursión briológica al valle de Nuria. Barcelona. Inst. Bot. Collect. Bot. 3:199-206. Ref. 1952. 451 B234

30702 CLARK, L., and SVIHLA, R. D. Frullania glomerata. Bryologist 55:293-294. Dec.1952. 450 B84

30703 CLARK, L., and SVIHLA, R. D. Frullania magniflora var. wrightii. Bryologist 55:289-293. Dec. 1952. 450 B84

30704 CRAFT, J. H., and CRAFT, I. H. Bryophytes of south-central Colorado. I. Iowa Acad. Sci. Proc. 59: 82-84. 1952. 500 Io93

30705 CRUM, H. A. Mosses from Honduras. II. Bryologist 55:279-285. Dec.1952. 450 B84
Includes new species Macromitrium shankii and Callicostella hondurensis.

30706 DREXLER, R. V. The genus Sphagnum in Iowa. Iowa Acad. Sci. Proc. 59:85-88. 1952. 500 Io93

30707 HATTORI, S. Hepaticae of Shikoku and Kyushu, southern Japan. Hattori Bot. Lab. J. 8:21-46. Sept.1952. 451 H28

30708 HATTORI, S. Notes on little known Japanese species of Hepaticae. 2. (In Japanese.) J. Jap. Bot. 27: 315-318. Oct.1952. 450 J8223
Includes English descriptions of species.

30709 HATTORI, S., and KUWAHARA, Y. Studies on Japanese Blepharostoma. 1. (In Japanese.) Hattori Bot. Lab. J. 8:63-67. Sept.1952. 451 H28
English summary.

30710 HERRE, A. W. C. T. A new species of Schismatomma (S. cupressum) from California. Bryologist 55:295-297. Dec.1952. 450 B84

30711 HERZOG, T. Perssoniella Herz. nov. gen. Hepaticarum. Arkiv f. Bot. (ser.2)2:265-269. 1952. 451 Sv2

30712 HOLMEN, K. Funaria polaris Bryhn in Greenland. Bryologist 55:249-250. Dec.1952. 450 B84

30713 LEPAGE, E. Ricciocarpus natans in Alaska. Bryologist 55:286. Dec.1952. 450 B84

30714 MCGREGOR, R. L. Riccia frostii after the Kansas floods of 1951. Kans. Acad. Sci. Trans. 55:176-177. June 1952.500 K13T

30715 NOGUCHI, A. Musci japonici. II. Erpodiaceae. Hattori Bot. Lab. J. 8:5-17. Sept.1952. 451 H28

30716 NOGUCHI, A. Notulae bryologicae. IV. Hattori Bot. Lab. J. 8:18-20. Sept.1952. 451 H28
Includes Dicranum yezomontanum.

30717 PATTERSON, P. M. Woodland mosses. Va. Wildlife 14(2):18-20. Feb.1953. 410 V81

30718 PERSSON, H. Additional list of Alaskan-Yukon mosses. Bryologist 55:261-279. Ref. Dec.1952. 450 B84

30719 PROSKAUER, J. Studies on Anthocerotales. IV. Torrey Bot. Club. B. 80:65-75. Ref. Jan./Feb.1953. 451 T63B

30720 SAYRE, G. Key to the species of Grimmia in North America. Bryologist 55:251-259. Dec.1952. 450 B84

30721 STEERE, W. C. Bryophyta of Arctic America. V. The rediscovery of Barbula johansenii. Bryologist 55:259-260. Dec.1952. 450 B84

30722 THOMAS, R. Bryophytes from the Iliamna Lake region, Alaska. Bryologist 55:287-289. Dec.1952. 450 B84

30723 WEBER, W. A. Colorado moss flora: additions in Aulacomniaceae. Bryologist 55:297. Dec.1952. 450 B84

Algae

30724 BERG, A. Eine diatomeengemeinschaft an der schwedischen ostküste. Arkiv f. Bot. (ser.2)2:1-44. Ref. 1952. 451 Sv2

30725 CANTINO, E. C., and HYATT, M. T. Phenotypic "sex" determination in the life history of a new species of Blastocladiella, B. emersonii. Antonie van Leeuwenhoek J. Microbiol. & Serol. 19:25-70. Ref. 1953. 448.8 N28A

30726 GONZALVES, E. A., and GANDHI, H. P. A systematic account of the diatoms of Bombay and Salsette. I. Indian Bot. Soc. J. 31:117-151. 1952. 450 J821

30727 JÄRNEFELT, H. Plankton als indikator der trophiegruppen der seen. Acad. Sci. Fenn. Ann. Ser. A. IV. Biol. 18,27 p. Ref. 1952. 442.9 H36

30728 KOPETZKY-RECHTPERG, O. Uber die Desmidiacee Cosmarium annulatum (Nägeli) De Bary und ihr vorkommen im Lunzer moorgebiete. Österr. Bot. Z. 99: 589-597. Ref. 1952. 450 Os7

30729 MARGALEF, R. Materiales para una flora de las algas del NE. de España. IV. a. Cyanophyceae. Barcelona. Inst. Bot. Collect. Bot. 3:209-229. 1952. 451 B234

30730 SALAH, M. M. Diatoms from Blakeney Point Norfolk. New species and new records for Great Britain. Roy. Micros. Soc. J. (ser.3)72:155-169. Ref. 1952,pub. Jan.1953. 440.9 R81J
Includes new species in Anomoeoneis, Navicula, Pinnularia, Nitzschia and Surirella.

30731 SCOTT, A. M., and PRESCOTT, G. W. The algal flora of southeastern United States. VI. Additions to our knowledge of the desmid genus Euastrum 2. Hydrobiologia 4:377-398. Sept.1,1952. 410 H992

30732 SILVA, H. Checklist of Tennessee diatoms to 1951. Tenn. Acad. Sci. J. 28:69-80,85. Jan.1953. 500 T25A

30733 TAYLOR, W. R., and BERNATOWICZ, A. J. Bermudian marine Vaucherias of the section Piloboloideae. Mich. Acad. Sci. Arts & Let. Papers 37:75-85. Ref. 1951,pub.1952. 500 M582

30734 WADE, W. E. A study of the taxonomy and ecology of Michigan desmids. Mich. U. Diss. Abs. 12: 771-772. 1952. 241.8 M58

Fungi (Including Lichens)

30735 ALMBORN, O. A key to the sterile corticolous crustaceous lichens occurring in South Sweden. Bot. Not. 3:239-263. Ref. 1952. 450 B656

30736 ARCHER. E., and GAUTHIER, M. Un élément original de l'economie montagnarde: la mousse d'arbre. France. Min. de l'Agr. B. Tech. d'Inform. 74:713-720. Nov.1952. 14 F844B
Lichenes.

30737 ARX, J. A. VON. Uber einige ascomycetengattungen mit ungleich zweizelligen sporen. Schweiz. Bot. Gesell. Ber. 62:340-362. Ref. Dec.1952. 451 Sch9
English summary.

30738 ARX, J. A. VON. Studies on Venturia and related genera. Tijdschr. over Plantenziekten 58:260-266. Ref. 1952. 464.8 T44

30739 ASAHINA, Y. Lichenologische notizen. 85-87. J. Jap. Bot. 27:293-296. Oct.1952. 450 J8223
Includes Letharia togashii n. sp.

30740 BAXTER, D. V. Some resupinate polypores from the region of the Great Lakes. XXIII. Mich. Acad. Sci. Arts & Let. Papers 37:93-110. Ref. 1951,pub.1952. 500 M582
Polyporaceae.

30741 BODMAN, M. C. A taxonomic study of the genus Heterochaete. Lloydia 15:193-233. Ref. Dec.1952. 442.8 L77
Includes new species.

30742 BRUNEL, J. L'Hypocrea latizonata Peck au Canada. Schweiz. Bot. Gesell. Ber. 62:265-268. Dec.1952. 451 Sch9

30743 CAMPOSANO, A. A new species of Zygosporium (Zygosporium chartarum). (In Italian.) Nuovo Gior. Bot. Ital. 58:355-361. 1951,pub.1952. 450 N92
English summary.

30744 CICCARONE, A. Observations on the genus Peyronellea G. Gold. (In Italian.) Nuovo Gior. Bot. Ital. 58:362-363. 1951,pub.1952. 450 N92

30745 CRAFT, J. H. Some lichens from southern Colorado. Iowa Acad. Sci. Proc. 59:80-81. 1952. 500 Io93

30746 DENNIS, R. W. G. Coprinus auricomus Pat. in England. Kew B. 4:548. 1952. 451 K51B

30747 DENNIS, R. W. G. Lepiota and allied genera in Trinidad, British West Indies. Kew B. 4:459-499. Ref. 1952. 451 K51B
Includes new species in Amanita, Lepiota, Rhodopaxillus Omphalina, Corrugaria, and Mycena.

30748 DOIGNON, P. Les Cortinaires du massif de Fontainebleau. Feuille des Nat. (n.s.)7:69-72. Sept./Oct. 1952. 410 F432

30749 ERVIN, M. D. Phacidiales of Iowa. Iowa Acad. Sci. Proc. 59:89-98. Ref. 1952. 500 Io93

30750 EYERDAM, W. J. A giant bracket fungus [Fomes applanatus] from southeastern Alaska. Madroño 12:31-32. Jan.1953. 450 M26

30751 FAUREL, L., OZENDA, P., and SCHOTTER, G. Notes lichénologiques nord-africaines. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:137-145. July/Sept.1952. 410.9 So125
Includes a new species in Ramalina.

30752 FAVRE, J. Bribes mycologiques. Schweiz. Bot. Gesell. Ber. 62:402-411. Dec.1952. 451 Sch9

30753 FISCHER, G. W. Graminicolous smuts of North America. Century III. Wash. Agr. Expt. Sta. C. 209,34 p. Jan.1953. 100 W27S

30754 GAUMANN, E., and TERRIER, C. Mykologische mitteilungen. Schweiz. Bot. Gesell. Ber. 62:297-306. Ref. Dec.1952. 451 Sch9
Includes new species in Uromyces and Puccinia.

30755 GILMAN, J. C., and TIFFANY, L. H. Fungicolous fungi from Iowa. Iowa Acad. Sci. Proc. 59:99-110. 1952. 500 Io93

30756 GIOLITTI, G., and BERTANI, M. A method for the microscopic study of actinomycetae. (In Italian.) Riv. di Biol. 44:393-401. Aug./Sept.1952. 442.8 R52
English summary.

30757 HARRIS, L. E. The trap-line fungus. Nat. Hist. 62:83. Feb.1953. 500 N483J
Dactyella.

30758 HEIM, M. R. Trois Septobasidium du domaine Indo-Pacifique. Schweiz. Bot. Gesell. Ber. 62:412-418. Dec.1952. 451 Sch9

30759 HEIM, R., and JACQUES-FELIX, M. Etudes expérimentales sur la spécificité des Hyménomycètes. Les rapports de parenté entre Armillariella mellea et Clitocybe tabescens. Acad. des Sci. Compt. Rend. 236: 258-260. Jan.19,1953. 505 P21

30760 HUGHES, S. J. Studies on micro-fungi. XIV. Stigmella, Stigmina, Camptomeris, Polythrincium, and Fusicladiella. Commonwealth Mycol. Inst. Mycol. Papers 49,25 p. Ref. Dec.17,1952. 451 Im73M

30761 JONES, K. L. A new Streptomyces [S. vinaceus] that produces vitamin B_{12} actively. Mich. Acad. Sci. Arts & Let. Papers 37:47-48. 1951,pub.1952. 500 M582

30762 KLEIN, D. T. Nutrition, distribution and sexuality of several strains of Pilobolus. Chicago,1952. 65 p. 462.03 K67
Thesis - University of Chicago.

30763 KOBAYASI, Y. On the genus Favolaschia and Campanella from Japan. Hattori Bot. Lab. J. 8:1-4. Sept.1952. 451 H28
Includes new species.

30764 KOBAYASI, Y. Three species of illuminous fungi, newly found in Isl. Aosima. (In Japanese.) Hattori Bot. Lab. J. 8:17. Sept.1952. 451 H28
Mycena cyanophos, Poromycena hanedai and Favolaschia pezizaeformis.

30765 LONERT, A. C. The slime molds. Turtox News 31:6-10. Jan.1953. 442.8 T86

30766 LOSA, M. Notas micológicas. Barcelona. Inst. Bot. Collect. Bot. 3:147-161. 1952. 451 B234

30767 LOSA, M. Un Uromyces nuevo para España. Barcelona. Inst. Bot. Collect. Bot. 3:207-208. 1952. 451 B234

30768 LOWE, J. L. Southern and tropical polypores. Mich. Acad. Sci. Arts & Let. Papers 37:49-53. Ref. 1951,pub.1952. 500 M582
Polyporus.

30769 LUTTRELL, E. S. Taxonomy of the Pyrenomycetes. Mo. U. Studies 24(3),120 p. Ref. 1951. 470 M69

30770 MAGNUSSON, A. H. Lichens from Torne Lappmark. Arkiv f. Bot. (ser.2)2:45-249. 1952. 451 Sv2

30771 MAGNUSSON, A. H. New crustaceous lichen species from North America. Göteborg. Bot. Trädgard. Meddel. 19:31-49. 1952. 451 G712

30772 MARTIN, G. W. A new species of Protodontia from British Columbia. Wash. Acad. Sci. J. 43:16-18. Jan.1953. 500 W276J

30773 MARTIN, G. W. Notes on Iowa fungi. XII. Iowa Acad. Sci. Proc. 59:111-118. 1952. 500 Io93

30774 MAYOR, E. A propos de deux Peronospora nouveaux observés dans le Midi de la France. Schweiz. Bot. Gesell. Ber. 62:476-481. Dec.1952. 451 Sch9

30775 MIDDLETON, J. T. Generic concepts in the Pythiaceae. Tijdschr. over Plantenziekten 58:226-235. Ref. 1952. 464.8 T44

30776 MUJICA R., F. Determinaciones micológicas IV. Chile. Dir. Gen. de Agr. Agr. Tec. 11:149-153. Dec.1951. 464.9 C432B

30777 MÜLLER, E. Ein neuer afrikanischer Ascomycet: Micropeltis strophanthi. Schweiz. Bot. Gesell. Ber. 62:104-105. Dec.1952. 451 Sch9

30778 MÜLLER, E. Die schweizerischen arten der gattung Ophiobolus Riess. Schweiz. Bot. Gesell. Ber. 62: 307-339. Ref. Dec.1952. 451 Sch9

30779 OLIVE, L. S. New or noteworthy species of Tremellales from the southern Appalachians. II. Torrey Bot. Club B. 80:33-42. Ref. Jan./Feb.1953. 451 T63B
Includes new species in Platygloea and Gloeotulasnella.

30780 RAGAB, M. A. Hyphal systems of Auriscalpium vulgare. Torrey Bot. Club. B. 80:21-25. Jan./Feb. 1953. 451 T63B

30781 RAUHALA, A. Puccinia komarowi Tranzsch. in Finnland gefunden. Suomalisen Eläin- ja Kasvitiet. Suran Vanamon. Tiedonannot 6:59-63. Ref. 1951. 410.9 Su7T

30782 RIZZINI, C. T. Species organenses generis Lichenum Usneae. (In Portuguese.) Rev. Bras. de Biol. 12:337-348. Ref. Dec.1952. 442.8 R326

30783 SCHAEFFER, J. Russula-Monographie. Ed.2 Bad Heilbrunn, Klinkhardt,1952. 296 p., and atlas. (Pilze Mitteleuropas, v. 3) 462 D48

30784 SHIMIZU, D., and HATTORI, S. Studies on the Japanese species of Asterella. Hattori Bot. Lab. J. 8:46-54. Sept.1952. 451 H28

30785 SPARROW, F. K. A contribution to our knowledge of the Phycomycetes of Cuba. II. Soc. Cubana de Bot. Rev. 9:68-74. July/Sept.1952. 451 So123
Includes new species in Chytridium and Catenochytridium.

30786 STEINBERG, B. Une espèce nouvelle de levure de vin: Torulopsis vini Steinberg. Arch. des Sci. 5:190-191. 1952. 475 Ar23

30787 SUBRAMANIAN, C. V. Studies on South Indian Fusaria. II. Natl. Inst. Sci. India. Proc. 18:557-584. Ref. Nov./Dec.1952. 513 N212

30788 TERRA, P. Détermination de la polarité sexuelle de trente espèces de Basidiomycètes saprophytes. Acad. des Sci. Compt. Rend. 236:115-117. Jan.5, 1953. 505 P21

30789 TERRIER, C. Deux Ascomycétes nouveaux. Schweiz. Bot. Gesell. Ber. 62:419-428. Ref. Dec.1952. 451 Sch9
Chloroscypha and Karschia.

30790 WINDISCH, S. Zur biologie und systematik des milchschimmels und einiger ähnlicher formen. II. Beitr. z. Biol. der pflanzen 29:143-170. Ref. 1952. 450 C66
Includes new species in Trichosporon and Geotrichum.

30791 ZOGG, H. Uber einige schweizerische Hysteriaceen. Schweiz. Bot. Gesell. Ber. 62:275-296. Ref. Dec. 1952. 451 Sch9
English summary.
Includes new species in Lophium.

PATHOLOGY

General

30792 ALDERMAN, D. C. A survey of freeze damage to citrus trees in the Lower Rio Grande Valley and its effect upon fruit quality. Rio Grande Val. Hort. Inst. Proc. 7:35-38. 1953. 81 L95

30793 ALLISON, J. L. Diseases of economic plants in Iraq. Plant Protect. B. 1:9-11. Oct.1952. 421 P692

30794 ALVAREZ GARCIA, L. A. Estudios de enfermedades de la raiz del cafeto en Puerto Rico. Rev. del Café 8(5):5-6. Dec.1952. 8 R3295

30795 ASQUITH, D., LEWIS, F. H., and HEWETSON, F. N. Fruit research at Arendtsville. Pa. Agr. Expt. Sta. B. 553(sup. 1):1-3. Dec.1952. 100 P381
Insect control, disease control, and orchard management studied at the Fruit Research Laboratory.

30796 BACHMANN, F. Zur frage der winterspritzung. Schweiz. Z. f. Obst- u. Weinbau 62:25-27. Jan.24,1953. 80 Sch9

30797 BAIN, D. C., and HARE, W. W. Vegetable diseases and their control in Mississippi. Miss. Farm Res. [Miss. Sta.] 15(12):1-7. Dec.1952. 100 M69Mi

30798 BAWDEN, F. C. Research for plenty. 3. Controlling plant diseases. Gt. Brit. Min. Agr. Agriculture 59:451-455. Jan.1953. 10 G79J

30799 BAZAN DE SEGURA, C. El problema de los plátanos en Tingo Maria. Mensajero Agr. 77:50-52. Oct./Nov.1952. 9.8 M52
Diseases.

30800 BEIDLEMAN, R. G. "Red belt" in the Rockies. Nat. Mag. 46:93-94. Feb.1953. 409.6 N214
Winter kill of trees.

30801 BERGSMA, J. Winter spraying. (In Dutch.) Amateur-Tuinder 36:5-6. Jan.1,1953. 80 V88
Of fruit.

30802 BRANZANTI, E. C., RICCI, A., and ROSSI, L. Winter treatment of fruit trees. (In Italian.) Riv. di Frutticolt. 15:68-71. Jan.1953. 80 R52

30803 BRENY, R. La défense des cultures. B. Hort. (n.s.)7:354-357. Dec.1,1952. 80 B873

30804 BURRELL, A. B. Concentrate [spray] method prevails in eastern New York. Amer. Fruit Grower 73 (2):20,44-47. Feb.1953. 80 G85

30805 CAÑIZO, J. DEL. Pulverización de patatares. ASPAS 4:12-14. 1952. 75.8 As6

30806 CASTAGNOLI, A. Estimation of hail damage to Kentucky tobacco. (In Italian.) Genio Rur. 15:701-729. Dec.1952. 281.8 R522

30807 CATIR, P. S. Eastern States keeps abreast of improvements in sprays and dusts. East. States Coop. 29(2):18. Feb.1953. 280.28 Ea7

30808 CHEVALIER, A. Les maladies des agrumes ou citrus. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:488-490. Sept./Oct.1952. 26 R323

30809 DAHN, G. Vergilbungs-, flecken- und dürreerscheinungen an den blättern von obstgehölzen. Deut. Baumsch. 4:314-316. Nov.1952. 80 D486

30810 DANON, M. [Agricultural] enemies and diseases in the Croatian Peoples Republic in 1950. (In Serbo-Croatian.) Biljna Proizvodnja 4:275-286. Nov./Dec.1951. 64.8 B49

30811 DAVIÐSSON, I. Some diseases of Chrysanthemums and carnations. (In Icelandic.) Garðyrkjufélag Íslands. Ársrit 1952:29-32. 86 Is4

30812 DAVIS, S. H. Tree injury caused by some termite proofing materials. Trees [Cleveland] 13(2):6-7. Jan./Feb.1953. 99.8 W52

30813 DECASTRO, V. Enfermedades y plagas más dañinas al cafetal en Puerto Rico. Rev. del Café 8(4):7,24. Nov.1952. 8 R3295

30814 DREES. Pflanzenschutz in Skandinavien. Gesunde Pflanzen 4:287-289. Nov.1952. 464.8 G33

30815 DREES, H. 50 jahre pflanzenschutz in Bayern. Gesunde Pflanzen 4:310-311. Dec.1952. 464.8 G33

30816 DROBNIC, A. Meadow mouse in fruit growing. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 4:169-171. July/Aug.1952. 21.5 Sa1

30817 DUNEGAN, J. C. Spraying for disease control. Amer. Fruit Grower 73(2):17,39-41. Feb.1953. 80 G85

30818 ENGELHARD, J. Du nouveau dans la lutte contre les parasites des cultures. Rustica 26:91-92. Jan.25,1953. 14 R92
Disease and insect control.

30819 ESBO, H. Value of potatoes as seeds. (In Swedish.) Lantmannen 37:58-59,72. Jan.17,1953. 11 L234
Diseases and storage.

30820 FISCHER, R. Uber pfirsichblättrigkeit der zwetschke. Pflanzenarzt 6:2-4. Jan.1,1953. 464.9 P482

30821 FLETCHER, D. G. Black stem rust and field inspection trip. Macaroni J. 34(4):24,35. Aug.1952. 298.8 N46
Wheat.

30822 FOGLIANI G. Enquiries into leptonecrosis of the olive. (In Italian.) Olearia 6:346-353. Nov./Dec. 1952. 307.8 OL2
English summary.

30823 FONTANA, P. The chemistry of insecticides and fungicides for sugarbeets. (In Italian.) Indus. Sac. Ital. 45:354-361. Sept./Oct.1952. 65.8 In23

30824 FULTON, J. P. "Clean" plants for the control of strawberry diseases. Ark. Farm Res. 1(4):12. Winter 1952. 100 Ar42F

30825 GOIDANICH, G. Plant wounds. (In Italian.) Informatore Fitopatol. 2:152-158. Oct.15/30,1952. 464.8 In3

30826 GOVI, G. Control of snails. (In Italian.) Informatore Fitopatol. 2:73-76. May 31,1952. 464.8 In3

30827 GRAVATT, G. F. Diseases of the chestnut and poplar in Europe. Paris,Organ. European Econ. Co-op., 1952. 26 p. 464.07 G78

30828 GROSJEAN, J. La terapia interna en las enfermedades de plantas. Argentina. Dir. Gen. de Fomento Agr. B de Prod. y Fomento Agr. 4(32):16-19. Feb.1952. 9 Ar35

30829 GYÖRFI, J. Krankheiten und schädlinge der pappeln in Ungarn. Acta Agron. [Budapest] 2:41-76. Ref. 1952. 19 Ac8
English summary.

30830 HALL, A. G. The silent saboteurs. Amer. Forests 59(2):8-11,46-49. Feb.1953. 99.8 F762
Forest insect pests and diseases.

30831 HELTON, A. W. Curative and preventive methods of controlling fruit diseases. I. Brambles. Idaho. Agr. Expt. Sta. Mimeog. L. 122,8 p. Jan.1953. 100 Id12

30832 HELTON, A. W. Curative and preventive methods of controlling fruit diseases. II. Bush fruits and grapes. Idaho. Agr. Expt. Sta. Mimeog. L. 123,5 p. Jan. 1953. 100 Id12

30833 HELTON, A. W. Curative and preventive methods of controlling fruit diseases. III. Strawberries. Idaho. Agr. Expt. Sta. Mimeog. L. 124,6 p. Jan.1953. 100 Id12

30834 HELTON, A. W. Curative and preventive methods of controlling fruit diseases. IV. Pome fruits. Idaho. Agr. Expt. Sta. Mimeog. L. 125,10 p. Jan.1953. 100 Id12

30835 HELTON, A. W. Curative and preventive methods of controlling fruit diseases. V. Stone fruits. Idaho. Agr. Expt. Sta. Mimeog. L. 126,10 p. Jan.1953. 100 Id12

30836 HELTON, A. W. Curative and preventive methods of controlling fruit diseases. VI. The value of certification. Idaho. Agr. Expt. Sta. Mimeog. L. 127,3 p. Jan.1953. 100 Id12

30837 HENRIET, J. Compatibilités et incompatibilités en phytopharmacie. Rev. de l'Agr. 5:1291-1310. Dec.1952. 13 R322
English summary.
Fungicides and insecticides.

30838 HERNANDEZ ROBREDO, L. El vuelco o encamado de los cereales. Siembra [Madrid] 8(8/9): 10-11. Aug./Sept.1952. 15 Si1

30839 HEY, G. L. Winter washing or spring spraying? Com. Grower 2976:53-54; 2977:101-102. Jan.8-15, 1953. 80 F941
Fruit.

30840 HOFSTEN, C. G. VON. The crops should have local caretakers. (In Swedish.) Lantmannen 37:32-35. Jan.10,1953. 11 L234
Plant diseases and pests on Gotland.

30841 HOLZ, W. Organisation des Warndienstes in den Niederlanden. Gesunde Pflanzen 4:289-291. (Cont.) Nov.1952. 464.8 G33

30842 HUS, P. 1952 teacher for 1953. (In Dutch.) Fruitteelt 42:940-941. Christmas 1952. 86 N28
Fruit diseases and pests.

30843 INUKAI, T., KANNO, J., and HAGA, R. Studies on the damage done by the crow in Hokkaido and methods of destruction. (In Japanese.) Hokkaido U. Facul. Agr. Mem. 1:194-198. 1952. 107.6 H682
English summary.
Crop damage.

30844 ITIE, G. Las enfermedades de la sandia. Tierra [México] 7:826-827,852-854. Dec.1952. 8 T445

30845 JONGE, C. DE. What has 1952 taught us? (In Dutch.) Betuws Tuinbouwbl. 10(20):4-5. Dec.20,1952. 80 B464
Control of fruit diseases and pests.

30846 KABIERSCH, W. Krautfäulewarndienst—für und wider. Gesunde Pflanzen 5:20-22. Jan.1953. 464.8 G33

30847 KIRCHNER. Die berechnung der spritzbrühenmenge bei der winterspritzung der obstbäume. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:235-236. Dec. 1952. 464.9 N11

30848 KITCHIN, J. T. Lightning strikes tomato plot. N. J. State Hort. Soc. Hort. News 34:2582,2598. Jan. 1953. 81 N46

30849 KLETT, W. Bekämpfung der schädlinge und krankheiten im obst- und beerenbau im jahr 1953. Obstbau 72:6-7,10. Jan.1,1953. 80 Ob73

30850 KOOPMAN, M. J. F. Threshing injuries to flaxseed. (In Dutch.) Nieuwe Veldbode 19:351-352. Jan. 29,1953. 12 V542N

30851 KOTTE, W. Wie der badische pflanzenschutzdienst entstand. Bad. Landwirt. Wchnbl. 120:14-15. Jan. 3,1953. 18 B142
History of disease and insect control.

30852 LENGER, H. Experiences with tree sprays. (In Dutch.) Nederlandse Ver. tot Bevord. der Biol.-Dyn. Landbmethode. Vruchtbare Aarde 10:92-94. Dec.1952. 80 N28

30853 LIMASSET, P. Les avertissements agricoles pour les maladies des végetaux. Phytoma 5(43):9-10. Dec.1952. 464.8 P563

30854 LINDEN, L. VAN DER. Parasites in Chrysanthemum culture. (In Flemish.) Tuinbouwberichten 16: 187-189. Dec.15,1952. 80 T817

30855 MCKEEN, W. E. Preliminary studies of root and basal stalk rot of maturing corn in Ontario. Canad. J. Bot. 31:132-141. Ref. Jan.1953. 470 C16C

30856 MANSFELD, K. Probleme der krähenbekämpfung. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 6:54-60. Ref. Feb./Mar.1952. 464.9 N11

30857 MARTIN, F. Lutte contre les ennemis des plantes et de l'homme en agriculture tropicale. Rev. Internatl. des Prod. Colon. 27:207,209. Nov.1952. 286.8 R326
Insect and disease control.

30858 MELVILLE, A. R. A note on coffee and its economics in Kenya. Coffee Bd. Kenya. Mon B. 17: 210-211. Sept.1952. 68.29 C652
Coffee and pests.

30859 MEZZETTI, A. Edema of garlic cloves. (In Italian.) Informatore Fitopatol. 2:39-40. Mar.15, 1952. 464.8 In3

30860 MEZZETTI, A., and FILOCAMO, E. Ecologic degeneration of the potato. (In Italian.) Informatore Fitopatol. 2:116-119. Aug.15/30,1952. 464.8 In3

30861 MILLER, P. R., and O'BRIEN, M. The plant disease warning service in 1952. Plant Dis. Rptr. (Sup. 217):203-212. Dec.15,1952. 1.9 P69P

30862 MILLER, P. W. Nut diseases in Oregon in 1952. Plant Dis. Rptr. 37:18. Jan.15,1953. 1.9 P69P

30863 MILLS, E. M. The control of mice in orchards. N. J. State Hort. Soc. Hort. News 34:2590-2591. Jan. 1953. 81 N46

30864 MILLS, H. O. About those apples from Mars; folks say they're out of this world! East. States Coop. 29 (2):12-14. Feb.1953. 280.28 Ea7
Spraying program at Treesdale Farms, Mars, Pennsylvania.

30865 MILTON, R. H. Disease-free plants in a weed-free bed. Tenn. Dept. Agr. Tenn. Mkt. B. 24(11):6. Nov.1952. 280.38 T25
Tobacco.

30866 MITCHELL, A. E. Michigan growers reduce spray costs, extend use to small fruits. Amer. Fruit Grower 73(2):21-22,53. Feb.1953. 80 G85

30867 MONCEAU, G. Quels traitements faut-il effectuer sur les pêchers. Réveil Agr. 61:372-373. Dec.15,1952. 14 R322

30868 MURILLO, L. M. Las afecciones de las palmas de coco de las Islas de Barú. Agr. Trop. 8(11): 49-56. Nov.1952. 26 Ag8

30869 MUSKETT, A. E. Seed health in relation to flax. Brit. Agr. B. 5:317-318. Jan.1953. 10 B776

30870 NANDO, E. Experiments in phytopathology, 1951-1952. (In Italian.) Avvenire Agr. 60:305-306. Dec. 1952. 16 Av9

30871 NERI, C. Hail damage to olives. (In Italian.) Genio Rur. 15:187-194. Apr.1952. 281.8 R522

30872 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. Blueberry insect and disease control chart, 1952, by C. A. Doehlert, M. T. Hutchinson, and A. C. Goheen. New Brunswick,1952? 275.29 N46BL

30873 NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Potato insect & disease control recommendations. Ithaca?1952. 1 p. 275.29 N48Pi

30874 OLSEN, H. K. Experiments and investigations of chemical preparations for the control of plant diseases and weeds. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:3-24. 1953. 11 B45

30875 ORDISH, G. Untaken harvest; man's loss of crops from pest, weed and disease. London,Constable, 1952. 170 p. 281 Or2

30876 OVANDO C., L. Principales enfermedades de los citrus y su control. Bolivia. Serv. Agr. Interamer. Div. de Ext. Agr. C. de Ext. 4,7 p. 1952. 275.249 B63

30877 PFLANZENSCHUTZ im wechsel der jahreszeiten, 1953 mit einem verzeichnis der gebräuchlichen pflanzenschutzmittel. Mainz,1953. unpaged. 464.8 P483

30878 PICHLER, F., and SCHREIER, O. Wichtige krankheiten und schädlinge im getreidebau. Wien, Bundesanstalt für Pflanzenschutz,1952. 62 p. 464.02 P58

30879 QUANJER, H. M. Variations of the Westerdijk classification of plant diseases. (In Dutch.) Tijdschr. over Plantenziekten 58:224-225. 1952. 464.8 T44

30880 RAO, V. P. Progress in plant protection in India. Plant Protect. B. 1:11-16. Oct.1952. 421 P692

30881 RICHTER. Pflanzenschutz an der jahreswende. Gesunde Pflanzen 5:2-3. Jan.1953. 464.8 G33

30882 RIPPER, W. E. Pest Control Ltd. II. Overseas. World Crops 5:71-72. Feb.1953. 281.8 W892
Industry's Contribution to Agricultural Research. XIV.

30883 ROHRBACH, H. Wissenswertes über die amtlichen bestimmungen betr. die einfuhr von pflanzen in die USA. Deut. Baumsch. 4:338-339. Dec.1952. 80 D486

30884 RUI, D. Winter treatment for fruit trees is in order. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36: 303-305. Nov./Dec.1952. 86 R22

30885 RUTHERFORD, D. M. A direct attack on citrus orchard problems. Calif. Citrog. 38:118,128,132. Feb.1953. 80 C125
Disease and culture.

30886 RYKER, T. C. Double duty seed treatment assures that 'right start'; development of single-package treatment natural step in fight on disease and insects. South. Seedsman 16(2):15,82. Feb.1953. 61.8 So8

30887 SALINGER, J. P. Spraying for clean fruit: cherries, peaches, and soft fruits. Gard. Craftsman 1:205-208. Dec.1952. 80 G1636

30888 SAREJANNI, J. A. Essai sur le concept de la maladie en pathologie végétale. Inst. Phytopath. Benaki. Ann. 5:88-127. Ref. 1951. 464.9 At4

30889 SAREJANNI, J. A., DEMETRIADES, S. D., and ZACHOS, D. G. Rapport sommaire sur les principales maladies des plantes observées en Grèce au cours de l'année 1951. Inst. Phytopath. Benaki. Ann. 6:5-9. 1952. 464.9 At4

30890 SCHAPER, P. Neue ergebnisse des praktichen pflanzenschutzes. Saatgut-Wirt. 4:280-282. Dec. 1952. 61.8 Sa1

30891 SCHMIDT, H. W. Aufstellen von krähenschlagfallen. Tech. f. Bauern. u. Gärt. Ausg. A 4:547-548. Dec.10,1952. 58.8 T223

30892 SCHOEL, W. Zur bedeutung der pflanzensanitären einfuhr-quarantäne. Gesunde Pflanzen 4: 307-309. Dec.1952. 464.8 G33
Germany.

30893 SCHRODTER, H. Agrarmeteorologische beiträge zu phytopathologischen fragen mit besonderer berücksichtigung der bedeutung des mikroklimas für pflanzenkrankheiten. Leipzig. U. Wiss. Z. 2:123. 1951/52. 509 L532

30894 SHEPARD, H. H. Domestic pesticide requirements for the 1953 season. Washington,U. S. Prod. & Mktg. Admin.,1952. 9 p. 1.956 M41Sh4
Address at meeting of the National Agricultural Chemicals Association, Spring Lake, N. J., Sept. 4, 1952.
Insecticides, fungicides, and herbicides.

30895 SRINIVASAN, U. C. Diseases of fodder crops in India. I. Sorghum. Mysore Agr. J. 28:46-51. July/Sept.1952. 22 M993

30896 SWITZERLAND. STATIONS FÉDÉRALES D'ESSAIS AGRICOLES. Guide pour les traitements de la vigne. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:97-99. Dec.1952. 17 J82A

30897 TILEMANS, M. Lutte contre les ennemis des cultures. Rev. Agr. de l'Afrique du Nord 50:697-700, 723-725. Oct.17-24,1952. 80 R326

30898 TILEMANS. Lutte contre les ennemis de la culture. Terre d'Oc 34:502-508. Nov.1952. 14 Ar5
Discussion of insecticides, fungicides, and herbicides.

30899 TIRELLI, M. Diseases and parasites of tobacco not yet introduced into Italy. (In Italian.) Tabacco 56:263-308. Sept./Oct.1952. 69.8 T115

30900 TUNIS, W. D., GARMAN, P., and STODDARD, E. M. 1953 spray guide for apples. Conn. Agr. Col. Ext. MP-2,3 p. Dec,1952. 275.29 C76Ap

30901 TUNIS, W. D., GARMAN, P., and STODDARD, E. M. 1953 spray guide for peaches. Conn. Agr. Col. Ext. MP-3,2 p. Dec.1952. 275.29 C76Pe

30902 TUNIS, W. D., GARMAN, P., and STOODARD, E. M. 1953 spray guide for pears. Conn. Agr. Col. Ext. MP-4,2 p. Dec.1952. 275.29 C76Ps

30903 U. S. PRODUCTION AND MARKETING ADMIN. Regional distribution of pesticides expressed in percentage of the quantity estimated to have been used in the crop year 1950-51. Washington,1952. 1 p. 1.956 M41R26
Insecticides, fungicides, and herbicides.

30904 VALLE, R. G. DEL. Simple measures for plant health. (In Portuguese.) Gaz. do Agr. 4:260-261. Oct.1952. 24 G25
Disease and insect control in Mozambique.

30905 VASUDEVA, R. S., and AZAD, R. N. Investigations on potato diseases and production of disease-free seed-potatoes in India. Empire J. Expt. Agr. 20:293-300. Ref. Oct.1952. 10 Em7

30906 VAUGHN, J. R. Wonder drugs. South. Seedsman 16(2):13,77. Feb.1953. 61.8 So8
Chiefly actidione to control plant diseases.

30907 VERBRUGGEN, L. Enemies that threaten the lettuce culture. (In Flemish.) Cult. en Handel 19:47-48. Jan.1953. 80 C892
Diseases.

30908 VERDUZCO GUTIERREZ, J. Algunos aspectos del problema de sanidad forestal en México. Chapingo, 1952. 180 p. Ref. 464.07 V58
Tesis - Escuela National de Agricultura.

30909 WATSON, R. D., and GESSEL, T. Injury to sugar beets by lightning. Sugar Beet 11(8):6-8. Dec.1952. 66.8 Su34B

30910 WEBER, A. Phytopathology and practice in Denmark. (In Dutch.) Tijdschr. over Plantenziekten 58: 209-214. 1952. 464.8 T44
English summary.

30911 WHITEHEAD, M. D. Plant disease: the parasitic herd in the pasture. South. Seedsman 16(2):24,73,77. Feb.1953. 61.8 So8

30912 WILLIAMS, P. H. Seedling diseases of the tomato. Tomato & Cucumber Mktg. Bd. J. 2:5,7-8. Jan.1953. 280.3919 T591

30913 WISKERKE, D. Is pea culture still risky? (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:460-461. Dec.1952. 12 N383M
Diseases and pests.

Diseases Caused by Fungi

30914 ABRAHÃO, J. Late manifestation of branchiness or excessive vegetative growth in cotton. (In Portuguese.) Biológico 18:135-138. Aug.1952. 442.8 B529
Caused by Colletotrichum gossypii.

30915 AMARAL, J. F. DO. Wilting of pepper. (In Portuguese.) Biológico 18:160-161. Sept.1952. 442.8 B529
Caused by Phytophthora capsici.

30916 ARENTSEN S., S. Nuevo huesped [Arrhenaterum elatius bulbosum] de Puccinia graminis en Chile. Chile. Dir. Gen. de Agr. Agr. Tec. 11:154. Dec.1951. 464.9 C432B

30917 ASAHINA, Y., and KUROKAWA, S. On the harmful effect of epiphytic lichens upon the higher plants. (In Japanese.) Res. Inst. Nat. Resources. Misc. Rpt. 25:83-86. Mar.1952. 513 T57225
English summary.

30918 ATHOW, K., and PROBST, A. H. The inheritance of resistance to frog-eye leaf spot [Cercospora sojina] of soybeans. Phytopathology 42:660-662. Dec. 1952. 464.8 P56

30919 ATKINS, I. M. New mildew—resistant barley to come from 1953 harvest. South. Seedsman 16(2):16, 57. Feb.1953. 61.8 So8

30920 BAGCHEE, K. A review of work on Indian tree diseases and decay of timber and methods of control. Indian Forester 78:540-546. Ref. Nov.1952. 99.8 In2
Caused by fungi.

30921 BAKKER, M. Control of the Phomopsis disease in seedumbels of carrot. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:879-883. Nov.1952. 86 N384
English summary.

30922 BARNETT, H. L., and LILLY, V. G. Relation of fungus physiology to study of plant diseases. W. Va. Agr. Expt. Sta. B. 357(2):11. Dec.1952. 100 W52

30923 BEVERWIJK, A. L. VAN. Professor Westerdijk and her mold cultures. (In Dutch.) Tijdschr. over Plantenziekten 58:206-208. 1952. 464.8 T44

30924 BLANCO, G. Enfermedad fungosa de la hoja del cafeto (Hemilaela vastatrix). Café 20:2-6. Ref. Nov.1952. 68.29 In7

30925 BLUMER, S. Beiträge zur spezialisation der Erysiphaceen. Schweiz. Bot. Gesell. Ber. 62:384-401. Ref. Dec.1952. 451 Sch9
English summary.

30926 BLUMER, S. Die bekämpfung des zwetschgenrostes [Tranzschelia pruni spinosae]. Schweiz. Z. f. Obst u. Weinbau 62:5-9. Jan.10,1953. 80 Sch9

30927 BOASSO, C. S., and LEVINE, M. N. Roya de la hoja del trigo, Puccinia rubigovera tritici en el Uruguay. Arch. Fitotéc. del Uruguay 5:21-31. Ref. 1952. 102.5 Ur8A
English summary, p. 171-172.

30928 BORZINI, G. Powdery mildew of grapes. (In Italian.) Informatore Fitopatol. 2:65-72. May 15, 1952. 464.8 In3

30929 BRIAN, P. W. Systemic fungicides. Plant Protect. Overseas Rev. 3,i.e.4(3):5-10. Ref. Dec.1952. 464.8 P69

30930 BRUCKBAUER, H. Der löwenmaulrost (Puccina antirrhini Diet. et Holw.) Gesunde Pflanzen 4:297-299. Nov.1952. 464.8 G33

30931 CABAL MARTINEZ, E. Afecciones fungosas en los cultivos de arroz en el Valle del Cauca. Palmira. Estac. Agr. Expt. Notas Agron. 5:1-4. Jan./June 1952. 102.5 P18N

30932 CANNON, O. S., and WADDOUPS, V. Loran Blood and VR Moscow, two new verticillium wilt resistant tomatoes for Utah. Farm & Home Sci. [Utah Sta.] 13:74-75. Dec.1952. 100 Ut1F

30933 CANOVA, A. Root rot of beets caused by Rhizoctonia. (In Italian.) Informatore Fitopatol. 2: 141-144. Sept.30,1952. 464.8 In3

30934 CARO, S. DI. Mold [Ascochyta pisi] of peas. (In Italian.) Informatore Fitopatol. 2:92-94. June 30, 1952. 464.8 In3

30935 CARO, S. DI. The perithecia of powdery mildew of grapes. (In Italian.) Informatore Fitopatol. 2:78-79. May 31,1952. 464.8 In3

30936 CARRERA, C. J M. El cultivo de la papa se resiente ante el ataque de la fitoftora o mildiu. Mundo Agr. 4(42):29-30. Nov.1952. 9 M92

30937 CASATI, S. Resistance of some strains to Fusarium moniliforme. (In Italian.) Riso 1(11):11-14. Dec.1952. 59.8 R49

30938 CICCARONE, A. How to control mold [Leveillula taurica cynarae] on artichokes. (In Italian.) Informatore Fitopatol. 2:23-24. Feb.15,1952. 464.8 In3

30939 CLERENS, A. Recent preparations for the control of parasites on fruit trees. (In Flemish.) Tuinbouwberichten 16:185-186. (Cont.) Dec.15,1952. 80 T817

30940 COLOMBIN, A. Les avertissements agricoles pour les tavelures [Venturia] en 1951. Phytoma 5(43): 10-14. Dec.1952. 464.8 P563

30941 COSTA, J. J., and DANFIÑO, D. S. El hexaclorobencene o "66," su quimica y acción contra la caries o carbón hediondo del trigo. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(55):16-22. Ref. July 1952. 9 Id3

30942 COX, R. S. Control of Pyracantha scab [Fusicladium pirinum pyracanthae]. Plant Dis. Rptr. 37:7-10. Jan.15,1953. 1.9 P69P

30943 DARPOUX, H. Mise au point d'une nouvelle méthode d'avertissements contre les tavelures [Venturia] du pommier et du poirier. Phytoma 5(43):15-18. Dec. 1952. 464.8 P563

30944 DELITALA, A. Corn ear rot due to Fusarium moniliforme. (In Italian.) Informatore Fitopatol. 2:79-80. May 31,1952. 464.8 In3

30945 DELITALA, A. Rot of grape twigs caused by Sclerotinia. (In Italian.) Informatore Fitopatol. 2:87-88. June 15,1952. 464.8 In3

30946 DELITALA, A. Tip wilt from Cytospora in peach branches. (In Italian.) Informatore Fitopatol. 2:55-56. Apr.15,1952. 464.8 In3

30947 DELITALA, A. White rot of onion, Sclerotium cepivorum. (In Italian.) Informatore Fitopatol. 2:14-16. Jan.31,1952. 464.8 In3

30948 DEMETRIADES, S. D. Études sur la biologie du Sclerotinia sclerotiorum (Lib.) Massee. I. Inst. Phytopath. Benaki. Ann. 5:65-75. 1951. 464.9 At4

30949 DI CARO, S. Alternariosis of carnations caused by Alternaria dianthicola (Neerg.) a new species for Italy. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:235-240. Sept./Oct.1952. 86 R22
English summary.

30950 DOBIE, N. D., and others. A new method for application of chloropicrin in warehouse fumigation. Phytopathology 42:693-694. Dec.1952. 464.8 P56
R. A. Young, J. B. Rodgers, and J. A. Milbrath, joint authors.
Fusarium roseum used to test effectiveness of chemical.

30951 DRAKE, E. M. Wilt-resistant tomatoes. Utah Farmer 73:39. Jan.15,1953. 6 D45

30952 DUPIAS, G. A propos des Urédinées parasites des Aegilops. Schweiz. Bot. Gesell. Ber. 62:370-373. Ref. Dec.1952. 451 Sch9
Puccinia spp.

30953 DUSSERD, R. Le plomb parasitaire des arbres fruitiers. Tarn-et-Garonne Agr. 15:189-190. Nov.1952. 14 T17
Sterium purpureum.

30954 ELMER, O. H., SHIELDS, I. J., and ROGERSON, C. T. Oak wilt in seven Kansas counties. Plant Dis. Rptr. 37:44. Jan.15,1953. 1.9 P69P
Endoconidiophora fagacearum.

30955 FERGUS, C. L., and BRAMBLE, W. C. Research field work on oak wilt control. Pa. Agr. Expt. Sta. B. 553(sup. 1):5-6. Dec.1952. 100 P381
Endoconidiophora fagacearum.

30956 FISCHER, W. Analyse von pflanzenschutzmitteln. IV. Nachweis und bestimmung von thiuramverbindungen. Z. f. Analyt. Chem. 137:90-98. 1952. 384 Z3

30957 FOSCHI, S. The perithecia of Oidium on apples. (In Italian.) Informatore Fitopatol. 2:42-43. Mar.31,1952. 464.8 In3
Podosphaera leucotricha.

30958 FREZZI, M. J. Phytophthora cinnamomi y su relación con la muerte de los paltos en Urundel (Salta), Argentina. Rev. Argentina de Agron. 19:214-219. Ref. Dec.1952. 9 R327

30959 FULTON, R. H. Verticillium wilt of raspberries. Mich. Agr. Expt. Sta. Q. B. 35:248-264. Ref. Nov.1952. 100 M58S
Verticillium albo-atrum.

30960 GASSNER, G. Keimungstemperatur und flugbrandbefall. Tijdschr. over Plantenziekten 58:219-223. 1952. 464.8 T44
In wheat.

30961 GATIN, A. Pulverisation de bouillie bordelaise en vue de la lutte contre le Ramularia bellunensis du Chrysanthemum cinerariaefolium et son effet sur la teneur en pyrethrines. B. de Doc. et de Tech. Agr. 6(20): 33-41. Second Q.1952. 24 B873

30962 GHEORGHIANOV, V., and FISCHER, G. J. El carbon del maíz; observaciones complementarias. Arch. Fitotéc. del Uruguay 5:119-129. Ref. 1952. 102.5 Ur8A
English summary, p. 175.
Ustilago zeae and Sorosporium reilianum.

30963 GOGGANS, J. F. Cronartium fusiforme on slash [Pinus caribaea] and loblolly pine [P. taeda] in the Piedmont of Alabama. (Abs.) Ala. Acad. Sci. J. 21/22: 56. Feb.1952. 500 AL12

30964 GOIDANICH, G., and RUGGIERI, G. Deuterophoma tracheiphila of citrus. (In Italian.) Gior. di Agr. 63:21-22. Ref. Jan.18,1953. 16 It1G

30965 GOIDANICH, G. Root rot of fruit from Armillaria and Rosellinia. (In Italian.) Informatore Fitopatol. 2:104-109. July 15/30,1952. 464.8 In3

30966 GOODFELLOW, V. V. Fight stem rust; destroy rust-spreading barberry. N. Dak. Agr. Col. Ext. C. A-169,8 p.-folder. Jan.1952. 275.29 N812Sa

30967 GORENZ, A. Diplodia infection of Hevea buddings and its prevention by the use of a protective fungicide. U. S. D. A. C. 913,22 p. Ref. Jan.1953. 1 Ag84C
Infection by Diplodia theobromae.

30968 GOUTTIER, P. Desinfection des semences d'automne. Phytoma 5(42):20. Nov.1952. 464.8 P563

30969 GOVI, G. End rot of peppers. (In Italian.) Informatore Fitopatol. 2:113-115. Aug.15/30,1952. 464.8 In3

30970 GOVI, G. Loose smut of grain. (In Italian.) Informatore Fitopatol. 2:57-59. Apr.30,1952. 464.8 In3

30971 GOVI, G. Sooty spot [Gleodes pomigena] of apple. (In Italian.) Informatore Fitopatol. 2:109-111. July 15/30,1952. 464.8 In3

30972 GRAHAM, J. H. Purple leafspot [Stagonospora maculata] of orchard grass. Phytopathology 42:653-656. Dec.1952. 464.8 P56

30973 GUILLEMAT, J., and LELIEVRE. Étude de l'efficacité de quelques fongicides sur la vitalité des sclerotes du Rhizoctone de la pomme de terre. Pomme de Terre Franç. 16(161):16-24. Jan.1953. 75.8 P77

30974 GUYOT, A. L., and MASSENOT, M. Les rouilles [Puccinia] des Teucrium. Schweiz. Bot. Gesell. Ber. 62:429-475. Dec.1952. 451 Sch9

30975 HAGMAN, J. V. Fight the Berberis bush. (In Swedish.) Lantbrtidskr. f. Stockholms Län och Stad 2(4): 7-10. 1952. 12 L29

30976 HAHN, H. Das verhalten resistenter und anfälliger leinsorten gegenüber Colletotrichum lini Manns et Bolley. Phytopath Z. 20:83-88. Nov.1952. 464.8 P562

30977 HANSON, A. A., GRAHAM, J. H., and KREITLOW, K. W. The isolation of Ladino clover plants resistant to Sclerotinia trifoliorum. Canad. J. Agr. Sci. 33:84-90. Jan./Feb.1953. 7 Sci2

30978 HARRY, J. B. Manufacturers' problems of fungicide formulation. Agr. Chem. 8(2):42-45. Ref. Feb.1953. 381 Ag8

30979 HILBORN, M. T. Applicators' problems of formulation. Agr. Chem. 8:41-42,125. Jan.1953. 381 Ag8
Fungicides.

30980 HILTON, R. N. Bird's eye spot leaf disease of the Hevea rubber tree caused by Helminthosporium heveae Petch. Rubber Res. Inst. Malaya J. 14:40-92. Ref. Sept.1952. 78.9 R824J

30981 HORN, N. L. A comparative study of two species of Colletotrichum on vetch. Phytopathology 42: 670-674. Ref. Dec.1952. 464.8 P56
C. villosum and C. sativum, n. sp.

30982 HOUTMAN, G. The rust disease of black currants. (In Dutch.) Fruitteelt 43:9. Jan.3,1953. 86 N28

30983 HUFFMANN, M. D., and JOHNSTON, C. O. Prevalence and distribution of physiologic races of the leaf rust [Puccinia rubigo-vera tritici] of wheat in Kansas. Kans. Acad. Sci. Trans. 55:419-426. Dec.1952. 500 K13T

30984 JAUBERT, P. À propos du miellat du petit mil. Bambey Cent. de Rech. Agron. B. 6:67-69. 1952. 24 B21

30985 KEITT, G. W. Inheritance of pathogenicity in Venturia inaequalis (Cke.) Wint. Amer. Nat. 86:373-390. Ref. Nov./Dec.1952. 470 Am36

30986 KERLING, L. C. P. Seed transmission of Fusarium wilt of peas. (In Dutch.) Tijdschr. over Plantenziekten 58:236-239. 1952. 464.8 T44
English summary.

30987 KESSELHUTH. Der pappelkrebs und seine folgen. Forst u. Holz 8:2-4. Jan.1,1953. 99.8 F7724

30988 KUHNHOLTZ-LORDAT, G. La rouille [Puccinia cervariae] du Peucedanum cervaria (L.) la Peyrouse. Schweiz. Bot. Gesell. Ber. 62:258-264. Dec.1952. 451 Sch9

30989 LAFON, J. Compte rendu d'essais contre le mildiou en 1951. Vrai Cognac 45:533-535. Jan./Feb.1952. 95.8 V95

30990 LAFON, J. Essais de produits organiques pour la lutte contre le mildiou. Vrai Cognac 49:562. June 1952. 95.8 V95

30991 LEACH, J. G., and others. Insects and the oak wilt fungus. W. Va. Agr. Expt. Sta. B. 357(2):8-9,16. Dec.1952. 100 W52
C. K. Dorsey, R. P. True, and H. L. Barnett, joint authors.
Insects as agents of transmission of oak wilt.

30992 LOUW, A. J. Spuitproewe teen appelskurfsiekte [Venturia inaequalis (Cke.) Wint] in die winterreënstreek van die Kaapprovinsie [Spraying tests for apple scab disease (Venturia inaequalis (Cke.) Wint) in the winter rain district of Cape Province]. Union So. Africa. Dept. van Landb. Wetensk. Pam. 315,32 p. Ref. 1952. 24 So84Sd

30993 MANDEL, G. Vorbeugungsmassnahmen gegen kiefern-schütte. Holz-Zentbl. 79:42-43. Jan.13,1953. 99.81 H742
Lophodermium pinastri.

30994 MARSDEN, D. H. Dutch elm disease [Ceratostomella ulmi], an evaluation of practical control efforts. Plant Dis. Rptr. 37:3-6. Jan.15,1953. 1.9 P69P

30995 MATTOS SIERRA, R. A. El "carbon" de la caña de azúcar en la Provincia de Corrientes. Arch. Fitotéc. del Uruguay 5:3-5. 1952. 102.5 Ur8A
English summary, p. 171.
Ustilago.

30996 MEIERHANS, and KELLER, C. Résultats d'un essai comparatif de lutte contre le mildiou "Plasmopara viticola." J. d'Agr. Suisse 74(16):1. Apr.19,1952. 17 J82

30997 MEYER. Uber die weitere ausbreitung der nordamerikanischen eichenerkrankung. Holz-Zentbl. 79: 50. Jan.15,1953. 99.81 H742
Chalara quercina.

30998 MEYERS, W. I. D.E.D. fight in Detroit. Mich. Forestry & Park Assoc. Annu. Mtg. 26:13. 1952. 99.9 M586
Dutch elm disease.

30999 MILLER, P. A., and LUNT, O. R. Turf fungicide trials—U.C.L.A. 1952. South. Calif. Turf Cult. 3:4. Jan.1953. 60.18 So8

31000 MINEV, K. Der eichenmehltau (Microsphaera alphitoides Griff. et Maubl.) im gebiete von Kichevo, Mazedonien. (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Šumarski Fakul. God. Zbornik 3:195-204. 1949/50,pub.1951. 21.5 Sk5
German summary.

31001 MINZ, G., and BENTAL, A. Loose smut control experiments in wheat and barley. (In Hebrew.) Hassadeh 33:113-114. Nov.1952. 26 H27

31002 MIZUKAMI, T. On the Helminthosporium disease resistance of rice seedlings treated with ether vapor. II-III. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 12:177-184. Mar.1952. 107.6 K995B
English summary.

31003 MONTALDO B., A. Fitomejoramiento para resistencia a la sarna polvorienta [Spongospora subterranea] de la papa. Chile. Dir. Gen. de Agr. Agr. Tec. 11:140-148. Ref. Dec.1951. 464.9 C432B
English summary.

31004 MORRIS, C. L., and FERGUS, C. L. Observations on the production of mycelial mats of the oak wilt fungus [Chalara quercina] in Pennsylvania. Phytopathology 42:681-682. Dec.1952. 464.8 P56

31005 MÜLLER, K. O. Potato blight [Phytophthora infestans] in Chile. Plant Protect. B. 1:7-8. Oct.1952. 421 P692

31006 MÜNCHBERG, P. Chemie und technologie der fungicide. Chem.-Ztg. 77:38-40. (Cont.) Jan.20, 1953. 384 C427
English summary.

31007 MUNTAÑOLA, M. Parásitos criptogámicos de los sorgos en la Provincia de Tucumán (nota preliminar). Rev. Argentina de Agron. 19:220-230. Ref. Dec.1952. 9 R327
English summary.

31008 NARAYANAMURTI, D., GEORGE, J., and VERMA, G. M. Pilzamylase. Holz als Roh- u. Werkst. 10:428-432. Ref. Nov.1952. 99.81 H74
Fomes lamaoensis, Polystictus sanguineus.

31009 NORTON, D. C., and FRANK, F. A. Charcoal rot (caused by Sclerotium bataticola Taub.) on guayule in southwest Texas in 1951-1952. Plant Dis. Rptr. 37: 41-43. Jan.15,1953. 1.9 P69P

31010 NUTMAN, F. J., and ROBERTS, F. M. Sudden-death disease of the clove tree, Eugenia aromatica. Nature [London] 171:128. Jan.17,1953. 472 N21
Possibly caused by Valsa sp.

31011 OFFORD, H. R., and others. Improvements in the control of ribes by chemical and mechanical methods. U. S. D. A. C. 906,72 p. Ref. Dec.1952. 1 Ag84C
V. D. Moss, W. V. Benedict, H. E. Swanson, and A. London, joint authors.
Control of white pine blister rust.

31012 OLSON, E. O., and GODFREY, G. H. Cotton root rot [Phymatotrichum omnivorum] of various citrus rootstock seedlings. Rio Grande Val. Hort. Inst Proc. 7: 25-30. 1953. 81 L95

31013 OLSON, E. O., and WAIBEL, C. W. Rio Grande gummosis in relation to Diplodia infection in Texas citrus. Rio Grande Val. Hort. Inst. Proc. 7:84-94. Ref. 1953. 81 L95
D. natalensis.

31014 OORT, A. J. P. Die-back of blackberry caused by Septocyta ramealis (Rob.) Pet. (In Dutch.) Tijdschr. over Plantenziekten 58:247-250. 1952. 464.8 T44
English summary.

31015 PALMITER, D. H., and EMERSON, F. H. Results of 1952 tests with fungicide mixtures for the control of apple scab [Venturia inaequalis] and quince rust [Gymnosporangium]. Plant Dis. Rptr. 37:11-13. Jan.15,1953. 1.9 P69P

31016 PALMITER, D. H. Rust diseases of apples and their control in the Hudson Valley. N. Y. (State) Agr. Expt. Sta. B. 756,26 p. Nov.1952. 100 N48

31017 PEACE, T. R. The defoliation of pines with particular reference to Lophodermium pinastri. Scot. Forestry 7:17-22. Jan.1953. 99.8 Sco3

31018 PEJOSKI, B. Essais du coeur rouge chez le bois de hêtre dans les forets de la R. P. de Macedonie. (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Sumarski Fakul. God. Zbornik 3:83-106. Ref. 1949/50,pub.1951. 21.5 Sk5
French and German summaries.
Fagus moesiaca.

31019 PENNVALLEY late cabbage being bred especially for yellows resistance. Pa. Agr. Expt. Sta. B. 553(sup. 1):4. Dec.1952. 100 P381

31020 PILET, P. E. Probléme hormonal concernant l'Endophyllum sempervivi Lèv. parasite du Sempervivum tectorum L. Schweiz. Bot. Gesell. Ber. 62:269-274. Ref. Dec.1952. 451 Sch9

31021 PRASAD, N., and PATEL, I. M. Chitri disease [Fusarium oxysporum nicotianeae] of tobacco in Gujarat. Cur. Sci. 21:18. Jan.1952. 475 Sci23

31022 PRESTON, N. C. Clover rot. Herefordshire Agr. J. 13:31,33,35. Winter 1952/53. 10 H42

31023 PUPILLO, M. Anthracnose of apples and pears. (In Italian.) Informatore Fitopatol. 2:12-13. Jan.31,1952. 464.8 In3

31024 PUPILLO, M. Mosaic-like Peronospora. (In Italian.) Informatore Fitopatol. 2:46-48. Mar.31, 1952. 464.8 In3

31025 PUPILLO, M. Peacock eye or pox of olive. (In Italian.) Informatore Fitopatol. 2:95-96. June 30, 1952. 464.8 In3
Cycloconium oleaginum.

31026 PUPILLO, M. Walnut mold [Marssonia juglandis]. (In Italian.) Informatore Fitopatol. 2:36-37. Mar.15,1952. 464.8 In3

31027 PURSWELL, D. Blue mold season confronts tobacco farmer. Dixie Co-op News 3(5):1,6. Dec.1952. 280.28 D64

31028 RASMUSSEN, C. R. Mycogene attack on mushrooms. (In Danish.) Gart.-Tid. 69:28. Jan.19,1953. 80 G192

31029 RAUCOURT, M., and SAYEGH, D. Les fongicides organiques de synthese. Phytoma 5(41):30-33. (Cont.) Oct.1952. 464.8 P563

31030 RAUCOURT, M., and SAYEGH, D. Les fongicides organiques de synthese. Phytoma 5(42):25-28. (Concl.) Ref. Nov.1952. 464.8 P563

31031 RAUL DA SILVA, A. El concepto de raza fisiológica en el mejoramiento del trigo relativo a la resistencia a las royas de la hoja y tallo. (Puccinia rubigo-vera tritici y P. graminis tritici). Arch. Fitotéc. del Uruguay 5:131-136. Ref. 1952. 102.5 Ur8A
English summary, p. 176.

31032 RØED, H. Botryotinia porri (Beyma Thoe Kingma) Whetz. on Allium porrum in Norway. Acta Agr. Scand. 2:232-246. Ref. 1952. 11 Ac82

31033 RUGGIERI, G. Prophylaxis and control of "mal secco" [Deuterophoma tracheiphila] of citrus. (In Italian.) Informatore Fitopatol. 2(5,sup.):6-8. Mar. 15,1952. 464.8 In3

31034 SAREJANNI, J. A. Une maladie [Fomes rimous] du lentisque [Pistacia lentiscus] cultivé. Inst. Phytopath. Benaki. Ann. 6:19-22. 1952. 464.9 At4

31035 SAREJANNI, J. A. Quelques problèmes de l'épidémiologie du mildiou de la vigne en Grece. Inst. Phytopath. Benaki. Ann. 5:53-64. Ref. 1951. 464.9 At4

31036 SAREJANNI, J. A. Le Phytophthora des aubergines en Grèce. Inst. Phytopath. Benaki. Ann. 6: 14-18. 1952. 464.8 At4

31037 SAREJANNI, J. A. Un Phytophthora du collet des oeillets. Inst. Phytopath. Benaki. Ann. 6:32-36. Ref. 1952. 464.9 At4

31038 SILVA, A. R. DA. Caries or smut in wheat. (In Portuguese.) Granja [Porto Alegre] 8(65/66):62. Aug./Sept.1952. 9.2 G76

31039 SIMMONDS, P. M. Rootrots of cereals. II. Bot. Rev. 19:131-146. Ref. Feb.1953. 450 B652?

31040 SLADE, G. H. The use of copper naphthenate as a fungicide barrier in seed raising. Austral. Orchid Rev. 17:139-140. Dec.1952. 80 Au73

31041 SPERONI, H. A. El cabito seco de los naranjos dulces. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):21. Oct.1952. 9 Id3

31042 SPERONI H. A. Nota sobre una "gomosis" en el portainjerto de lima o mandarino Rangpur y en algunas de sus combinaciones. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):25-26. Oct.1952. 9 Id3

31043 SPRAGUE, R. Field rots of grapes in north-central Washington. Nowest. Sci. 27:1-16. Ref. Feb. 1953. 470 N81
Fungus diseases.

31044 STRONG, F. C. The oak wilt disease in Michigan. Mich. Forestry & Park Assoc. Annu. Mtg. 26: 14-16. 1952. 99.9 M586

31045 TABOADA, V. L. E., and DOMATO, J. Comportamiento de los nuevos portainjertos citricos con relación a la gomosis. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):21. Oct.1952. 9 Id3
Phytophthora.

31046 TERMOHLEN, G. P. Scab resistance of apples. (In Dutch.) Fruitteelt 42:965-967. Christmas 1952. 86 N28

31047 TESSI, J. L. Physoderma sp., un nuevo parásito de los sorgos. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(57):10-11. Sept.1952. 9 Id3

31048 THIEL, J. Principal fungi injurious to apples. (In Flemish.) Cult. en Handel 19:32-35. Jan.1953. 80 C892

31049 TOCHINAI, Y., and SAWADA, K. Observations on the overwintering of the bean anthracnose fungus, Colletotrichum lindemuthianum Briosi et Cavara. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:103-112. Ref. 1952. 107.6 H682
English summary.

31050 TOCHINAI, Y., and UI, T. Studies on the helminthosporioses of cereals in Hokkaido. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:113-126. Ref. 1952. 107.6 H682
English summary.

31051 TOGLIANI, F. Carbon disulfide for the control of root rot. (In Italian.) Informatore Fitopatol. 2:115-116. Aug.15/30,1952. 464.8 In3

31052 TOGLIANI, F. Experiments in control of Fusarium foot rot. (In Italian.) Riso 1(10):14-16. Nov.1952. 59.8 R49

31053 TOOLE, E. R. Two races of Fusarium oxysporum f. perniciosum causing wilt of Albizzia spp. Phytopathology 42:694. Dec.1952. 464.8 P56

31054 TSAI, T. K. Studies on leaf scorch disease (Stagonospora sacchari) of sugarcane. I. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 8:133-149. Ref. June 1952. 65.9 F76R
English summary.

31055 ULLSTRUP, A. J. Observations on crazy top [Sclerospora macrospora] of corn. Phytopathology 42: 675-680. Ref. Dec.1952. 464.8 P56

31056 URRIES, M. J. DE. Infektionsversuche an gräsern mit zwei rassen von Puccinia graminis tritici in Spanien. Schweiz. Bot. Gesell. Ber. 62:363-369. Ref. Dec.1952. 451 Sch9

31057 VAJDA, Z. J. Control of the drying up of elm. (In Serbo-Croatian.) Sumarski List 76:326-335. Ref. Aug.1952. 99.8 Su6
English summary.

31058 VENKATAKRISHNAIAH, N. S. Blight of Amaranthus paniculatus L. caused by Alternaria. Phytopathology 42:668-669. Dec.1952. 464.8 P56

31059 VIEL, G., HASCOET, M., and DUCLOS, M. Semi-microméthode par molybdomanganimétrie pour le dosage des dépots laissés sur les végétaux par les composés zinciques. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt. 3(2):273-280. Ref. Apr./June 1952. 464.9 F84An

31060 VIENNOT-BOURGIN, G. Les quatre Uromyces de Vicia cracca. Schweiz. Bot. Gesell. Ber. 62:374-383. Dec.1952. 451 Sch9

31061 WAGER, V. A., and RIPLEY, L. B. Sooty mould in citrus. Farming So. Africa 27:468. Oct.1952. 24 So842

31062 WAGGONER, P. E., and WALLIN, J. R. Variation in pathogenicity among isolates of Phytophthora infestans on tomato and potato. Phytopathology 42:645-648. Ref. Dec.1952. 464.8 P56

31063 WATANABE, T. Studies on the leaf blight disease of the jute. (In Japanese.) Utsunomiya U. Col. Agr. B. 1:319-333. Mar.1952. 107.6 Ut7B
English summary.
Proposed name for causal fungus, Helminthosporium corchori.

31064 WATSON, I. A., and SINGH, D. The future for rust resistant wheat in Australia. Austral. Inst. Agr. Sci. J. 18:190-197. Ref. Dec.1952. 23 Au74

31065 WECHSLER, H. Die rot- und weissfäule an eichen. Holz-Zentbl. 79:41-42. Jan.13,1953. 99.81 H742

31066 ZACHA, V. A contribution to the mycopathology of our grasses. (In Czech.) Ceskoslov. Akad. Zemédél. Sborn. Rada B 25:49-60. Aug.1952. 19.5 C332Ca
English summary.

31067 ZACHOS, D. G. Recherches sur la désinfection des graines du pois-chiche (Cicer arietinum L.) infectées par l'Ascochyta rabiei (Pass.) Labr. Inst. Phytopath. Benaki. Ann. 5:76-87. 1951. 464.9 At4

31068 ZWINTZSCHER, M. Selection of scab resistant fruit varieties. (In Dutch.) Fruitteelt 42:973-974. Christmas 1952. 86 N28

Diseases Caused by Bacteria

31069 ANDERSON, H. W. "Spring canker" [Xanthomonas pruni] or "black tip?" of peach trees. Plant Dis. Rptr. 37:16-17. Jan.15,1953. 1.9 P69P

31070 BARON, C. La défense des cultures. Maladies dues aux bactéries et aux champignons. B. Hort. (n.s.) 8:3-6. Jan.1,1953. 80 B873

31071 BATTLE, W. R. The effect of advance in generation and age of stand on bacterial wilt reaction of Atlantic alfalfa. Agron. J. 44:602-605. Dec.1952. 4 Am34P

31072 BELS-KONING, H. C., and JONG-OLTHOF, K. DE. A brown blotch disease of cultivated mushrooms caused by Pseudomonas tolaasi Paine. (In Dutch.) Tijdschr. over Plantenziekten 58:243-246. 1952. 464.8 T44
English summary.

31073 BIRD, L. S. New cotton strains resist bacterial blight. Crops & Soils 5(5):16-17. Feb.1953. 6 W55

31074 CANOVA, A. Root tumors. (In Italian.) Informatore Fitopatol. 2:25-28. Feb.29,1952. 464.8 In3
Crown gall of fruit.

31075 DAINES, R. H., BACHELDER, S., and BARTLEY, C. E. Effect of nutrition on the incidence of bacterial spot of peach. N. J. State Hort. Soc. Hort. News 34:2594,2596-2597. Jan.1953. 81 N46

31076 DUNEGAN, J. C., MOON, H. H., and WILSON, R. A. A rapid method for mass inoculation of pear trees with the blight organism [Erwinia amylovora] Plant Dis. Rptr. 37:14-15. Jan.15,1953. 1.9 P69P

31077 GIGANTE, R. Observations on "farfara" of tobacco in Lecce Province. (In Italian.) Tobacco 56:311-349. Ref. Nov.1952. 60.8 T115
Farfara includes wildfire, ringspot and streak.

31078 HARTWIG, E. E., and JOHNSON, H. W. Effect of the bacterial pustule disease [Xanthomonas phaseoli sojensis] on yield and chemical composition of soybeans. Agron. J. 45:22-23. Jan.1953. 4 Am34P

31079 KUNZ, R. Die wirkungsweise von Bacterium solanacearum E.F. S., dem erreger der tropischen schleimkrankheit des tabaks, auf Solanum lycopersicum L. Phytopath. Z. 20:89-112. Ref. Nov.1952. 464.8 P562

31080 MASTENBROEK. Bacterial blight of beans. (In Dutch.) Nieuwe Veldbode 19:345. Jan.29,1953. 12 V542N
Due to Pseudomonas medicaginis.

31081 MATA Q., E. Exposición en el seminario sobre la "Maya de la papa" organizado por el Ministerio de Agricultura e Industrias en Cartago, el 10 de febrero de 1952. Suelo Tico 6(27):56-58. Jan./June 1952. 8 Su2
Costa Rica.

31082 PATEL, M. K., WANKAR, B. N., KULKARNI, Y. S. Bacterial leaf-spot of Amaranthus viridis L. Cur. Sci. 21:346-347. Dec.1952. 475 Sci23

31083 PATEL, M. K., KULKARNI, Y. S., and DHANDE, G. W. Some new bacterial diseases of plants. Cur. Sci. 21:345-346. Dec.1952. 475 Sci23

31084 POWELL, D. Fire blight; why it is spreading how to control it. Amer. Fruit Grower 73(2):16,42-43. Feb.1953. 80 G85

31085 PRASAD, N. Fire blight of Cosmos—a bacterial disease incited by Erwinia cosmovora n. sp. Cur. Sci. 21:17. Jan.1952. 475 Sci23

31086 SCHENK, P. J. Crown gall of fruit and tree nursery plants. (In Flemish.) Cult. en Handel 19:40-43. Jan.1953. 80 C892

31087 SCHLUMBERGER, H. G. Cancer in plants and animals. All-Pets Mag. 24(2):47,50,53-54,107. Feb.1953. 48.8 AL5
Crown gall in plants.

31088 TEŠIĆ, Ž., and TODOROVIĆ, M. Une nouvelle bacterie phytopathogène, Bacterium sambuci. (In Serbo-Croatian.) Zaštita Bilja 11:3-12. 1952. 464.8 Z1
French summary.
On Sambucus ebulus.

31089 TESSI, J. L., and FRECHA, J. H. Tres enfermedades producidas por bacterios en los sorgos en la Argentina. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):15-18. Oct.1952. 9 Id3
Pseudomonas andropogoni, Xanthomonas holcicola, and Pseudomonas syringae.

Viruses and Virus Diseases

31090 BAZAN DE SEGURA, C. La "tristeza" de los cítricos en el Perú. Vida Agr. [Lima] 29:999,1001-1006,1009,1011. Nov.1952. 9.8 V66

31091 BITTERS, W. P., DUKESHIRE, N. W., and BRUSCA, J. A. Stem pitting and quick decline symptoms as related to rootstock combinations. Citrus Leaves 33(2):8-9,38. Feb.1953. 80 C492

31092 BODE, O., and KÖHLER, E. Elektronenmikroskopische untersuchungen am kartoffel-X- und tabakmosaik-virus. Z. f. Natforsch. 7b:598-600. Ref. Nov.1952. 474 Z3

31093 BRADLEY, R. H. E., and GANONG, R. Y. Note on the time potato leaf roll virus takes to pass from aphids on the leaves into the developing tubers. Canad. J. Bot. 31:143-144. Jan.1953. 470 C16C

31094 BRUEHL, G. W. Chlorotic streak disease of Pennisetum purpureum. Plant Dis. Rptr. 37:34-35. Jan. 15,1953. 1.9 P69P

31095 CANN, H. J. Bunchy top disease of bananas in New South Wales. World Crops 5:67-68. Feb.1953. 281.8 W892
Transmitted by Pentalonia nigronervosa.

31096 CASTILLO, B. S. Transmission studies of banana mosaic in the Philippines. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(10):39. Oct.1952. 25 P544P

31097 CROPLEY, R. Strawberry virus diseases. Gard. Illus. 70:47. Feb.1953. 80 G169

31098 FORTI, G. Virus diseases of the potato. (In Italian.) Gior. di Agr. 63:13. Jan.11,1952. 16 It1G
Italy.

31099 GALEN, J. VAN. The control of yellows in beets. (In Dutch.) Landbouwberichten 7:206. Nov.27, 1952. 12 L236
Sugar beets.

31100 GARCIA ORAD, A. Estación de mejora de la patata. Sección de virosis. ASPAS 4:6-8. 1952. 75.8 As6

31101 GOIDANICH, G. Peach mosaic. (In Italian.) Informatore Fitopatol. 2:89-92. June 30,1952. 464.8 In3

31102 GOIDANICH, G. What is a virus disease? (In Italian.) Informatore Fitopatol. 2:129-136. Sept.15, 1952. 464.8 In3

31103 HARVEY, H. L. Lettuce mosaic. West. Australian. Dept. Agr. J. (ser.3)1:667,669. Sept./Oct.1952. 23 W52J

31104 HIRSCHFELD. Beobachtungen über die vergilbungskrankheit bei rüben. Deut. Landwirt.-Gesell. Mitt. 67:997-998. Dec.25,1952. 18 N39

31105 KNORR, L. C., and BENATENA, H. N. Xyloporosis en mandarino común de Concordia. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(57):19-20. Sept. 1952. 9 Id3

31106 KRISTENSEN, H. R. Virus diseases of garden plants. (In Danish.) Gart.-Tid. 69:15-18. Jan.12,1953. 80 G192

31107 LEIB, E. Erste Internationale Yellow-Konferenz; es geht um die erhaltung des westeuropäischen zuckerübenanbaues! Gesunde Pflanzen 4:300-302. Nov. 1952. 464.8 G33

31108 LEMAISTRE, J. La tristeza des agrumes. Fruits 7:534-536. Dec.1952. 80 F9492

31109 MCKINNEY, H. H. Soil-borne wheat mosaic viruses in the Great Plains. Plant Dis. Rptr. 37:24-26. Jan.15,1953. 1.9 P69P

31110 MARAMOROSCH, K. Studies on the nature of the specific transmission of aster-yellows and corn-stunt viruses. Phytopathology 42:663-668. Ref. Dec. 1952. 464.8 P56

31111 MENZIES, J. D. Methods for reducing the spread of the witch's broom disease in alfalfa. Phytopathology 42:649-650. Dec.1952. 464.8 P56

31112 MILLER, P. W. Percentage of strawberry plants infected with yellows virus complex by single strawberry aphids. Plant Dis. Rptr. 37:19. Jan.15,1953. 1.9 P69P

31113 MILLER, P. W. Tests of wild strawberries from California for virus infection. Plant Dis. Rptr. 37:20. Jan.15,1953. 1.9 P69P

31114 MURAKISHI, H. H. Vanda mosaic can be controlled. Hawaii Farm Sci. [Hawaii Sta.] 1(4):1,6. Jan.1953. 100 H314
Found first on Vanda Joaquim orchids.

31115 PAINE, J., and LEGG, J. T. Transmission of hop mosaic by Phorodon humuli (Schrank). Nature [London] 171:263-264. Feb.7,1953. 472 N21

31116 PANJAN, M. Yellow beet virus. (In Serbo-Croatian.) Biljna Proizvodnja 4:233-238. Sept./Oct. 1951. 64.8 B49
English summary.
Includes experiments with transmission of virus by Doralis fabae.

31117 PEQUIGNOT, R. La jaunisse et la culture directe des porte-graines de betteraves sucrières. Motorisation Agr. 7:465,467. Dec.1952. 58.8 M85

31118 QUANTZ, L. Die mosaikkrankheit des salats, eine samenübertragbare virose. Saatgut-Wirt. 4:279. Dec.1952. 61.8 Sa1

31119 RASMUSSEN, L. Experiments with virus yellows of sugar beets. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:66-71. 1953. 11 B45

31120 SCHLOSSER, L. A. Zur frage der wanderung europäischer rübenvirosen. Phytopath. Z. 20:75-82. Ref. Nov.1952. 464.8 P562

31121 SILBERSCHMIDT, K. M. The study of spontaneous transmission of virus diseases. (In Portuguese.) Rev. Ceres 9(49):1-10. Ref. July 1951/Aug.1952. 9.2 C332
In plants.

31122 SILL, W. H., and FELLOWS, H. Symptom expression of the wheat streak-mosaic virus disease as affected by temperature. Plant Dis. Rptr. 37:30-33. Jan.15,1953. 1.9 P69P

31123 SMITS, C. Viruses and virus diseases. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:328-233. Dec.1952. 12 N282
Of plants.

31124 STEERE, R. L., and WILLIAMS, R. C. Identification of crystalline inclusion bodies extracted intact from plant cells infected with tobacco mosaic virus. Amer. J. Bot. 40:81-84. Ref. Feb.1953. 450 Am36

31125 STONER, W. N. Leaf fleck, an aphid borne persistent virus disease of maize. Phytopathology 42: 683-689. Ref. Dec.1952. 464.8 P56

31126 STRUDEL. La jaunisse de la betterave. Agriculture [Paris] 16:284-285. Nov.1952. 14 Ag823

31127 TAKAHASHI, W. N., and ISHII, M. The formation of rod-shaped particles resembling tobacco mosaic virus by polymerization of a protein from mosaic-diseased tobacco leaves. Phytopathology 42:690-691. Dec. 1952. 464.8 P56

31128 TAKAHASHI, W. N., and ISHII, M. A macromolecular protein associated with tobacco mosaic virus infection: its isolation and properties. Amer. J. Bot. 40: 85-90. Ref. Feb.1953. 450 Am36

31129 THUNG, T. H. Observations on the Rubus stunt disease in raspberries and wild blackberries. II. (In Dutch.) Tijdschr. over Plantenziekten 58:255-259. 1952. 464.8 T44
English summary.

31130 TRAVERSI, B. A. Virus de la remolacha azucarera. Argentina. Dir. Gen. de Invest. Agr. IDIA 5 (57):17-18. Sept.1952. 9 Id3
Mosaic, curly top, and yellow wilt.

31131 WADSWORTH, D. F., and YOUNG, H. C. A soil-borne wheat mosaic virus in Oklahoma. Plant Dis. Rptr. 37:27-29. Jan.15,1953. 1.9 P69P

31132 WALLACE, J. M., and DRAKE, R. J. A virus-induced vein enation in citrus. Citrus Leaves 33(2):22,24. Feb.1953. 80 C492

31133 WEBB, R. E., LARSON, R. H., and WALKER, J. C. Relationships of potato leaf roll virus strains. Wis. Agr. Expt. Sta. Res. B. 178,40 p. Ref. Sept.1952. 100 W75

31134 WEBER, F., KENDA, G., and THALER, I. Viruskörper in kakteen-zellen. Protoplasma 41:277-286. Ref. 1952. 442.8 P94

31135 WENZL, H. Die vergilbungskrankheit—eine gefahr für den österreichischen rübenbau! Pflanzenarzt 6:1-2. Jan.1,1953. 464.9 P482

31136 WILSON, V. E., and MURPHY, H. C. Red leaf of oats. Plant Dis. Rptr. 37:21-23. Jan.15,1953. 1.9 P69P

31137 YOUNG, P. A. Curly top virus disease of tomatoes. Rio Grande Val. Hort. Inst. Proc. 7:77-78. 1953. 81 L95

Diseases Caused by Nematodes

31138 BIRCHFIELD, W. A parasitic nematode found on deteriorating roots of sugarcane. Plant Dis. Rptr. 37: 38. Jan.15,1953. 1.9 P69P

31139 CORDNER, H. B., and WESTER, R. E. Long breeding program promises nematode-resistant baby lima beans. South. Seedsman 16(2):30,46,57. Feb.1953. 61.8 So8

31140 GILBERT, J. C., and MCGUIRE, D. C. New tomatoes are gall-resistant. Hawaii Farm Sci. [Hawaii Sta.] 1(4):2,6. Jan.1953. 100 H314
Control of root knot nematodes.

31141 JENSEN, H. J. Observations on the root lesion nematode disease of Narcissus and progress of control. Plant Dis. Rptr. 37:39-40. Jan.15,1953. 1.9 P69P

31142 KOTTHOFF, P. Neuere beobachtungen über das auftreten von nematoden. Anz. f. Schädlingsk. 26:12. Jan.1953. 421 An9

31143 KOTTHOFF, P. Die wurmfäule der runkel- und zuckerrüben. Gesunde Pflanzen 4:315-316. Dec.1952. 464.8 G33
Nematodes.

31144 LOWNSBERY, B. F., STODDARD, E. M., and LOWNSBERY, J. W. Paratylenchus hamatus pathogenic to celery. Phytopathology 42:651-653. Dec.1952. 464.8 P56

31145 MEZZETTI, A. A nematode of garlic bulbs. (In Italian.) Informatore Fitopatol. 2:83-86. June 15, 1952. 464.8 In3

31146 TARJAN, A. C. Comparative studies of some root-knot nematodes [Meloidogyne] infecting the common snapdragon, Antirrhinum majus L. Phytopathology 42: 641-644. Ref. Dec.1952. 464.8 P56

31147 TARJAN, A. C. Pathogenic behavior of certain root-knot nematodes, Meloidogyne spp., on snapdragon, Antirrhinum majus L. Phytopathology 42:637-641. Ref. Dec.1952. 464.8 P56

31148 THORNE, G. Control of the sugar beet nematode. U. S. D. A. Farmers' B. 2054,18 p. 1952. 1 Ag84F
Supersedes Farmers' Bulletin 1514.

31149 TROTTMANN, M. L'oeillet et l'anguillule des racines. Phytoma 5(43):25-26. Dec.1952. 464.8 P563

31150 WALMSLEY, L., and WALMSLEY, F. On the trail of the ubiquitous nematode. Calif. Gard. 43(4):13-14. Winter 1952. 80 C127

ECOLOGY

31151 AMICO, A. The vegetation history of Scorrano (Lecce) and notes on its present flora. (In Italian.) Nuovo Gior. Bot. Ital. 58:366-373. 1951,pub.1952. 450 N92
English summary.

31152 AZZI, G. The ecological basis of the evolution of wheat. (In Italian.) Riv. di Ecol. 2:139-155. 1952. 410 R522
English summary.

31153 BEEBE, W. Introduction to the ecology of the Arima Valley, Trinidad, B.W.I. Zoologica 37:157-183. Ref. Dec.31,1952. 410 Z722
Includes plants.

31154 BOLOS, O. DE. Notas florísticas. III. Barcelona. Inst. Bot. Collect. Bot. 3:185-197. 1952. 451 B234
Spain.

31155 BURGES, A., and JOHNSTON, R. D. The structure of a New South Wales subtropical rain forest. J. Ecol. 41:72-83. Jan.1953. 450 J829
Dominated by Ceratopetalum apetalum.

31156 CANTLON, J. E., and BUELL, M. F. Controlled burning—its broader ecological aspects. Bartonia 26:48-52. Ref. Dec.22,1952. 451 P532

31157 CHAPMAN, H. H. The place of fire in the ecology of pines. Bartonia 26:39-44. Dec.22,1952. 451 P532

31158 CHAPMAN, V. J., and TREVARTHEN, C. B. General schemes of classification in relation to marine coastal zonation. J. Ecol. 41:198-204. Ref. Jan.1953. 450 J829

31159 CHRISTIAN, C. S., and PERRY, R. A. The systematic description of plant communities by the use of symbols. J. Ecol. 41:100-105. Jan.1953. 450 J829
Northern Australia.

31160 DAUBENMIRE, R. Classification of the conifer forests of eastern Washington and northern Idaho. Nowest Sci. 27:17-24. Feb.1953. 470 N81

31161 DAVIS, P. H. The vegetation of the deserts near Cairo. J. Ecol. 41:157-173. Ref. Jan.1953. 450 J829

31162 EVANS, L. T. The ecology of the halophytic vegetation at Lake Ellesmere, New Zealand. J. Ecol. 41: 106-122. Jan.1953. 450 J829

31163 GATES, F. C. Natural revegetation of certain areas in northern lower Michigan formerly covered by buildings. Mich. Acad. Sci. Arts & Let. Papers 37:31-45. 1951,pub.1952. 500 M582

31164 GILLHAM, M. E. An ecological account of the vegetation of Grassholm Island, Pembrokeshire. J. Ecol. 41:84-99. Jan.1953. 450 J829

31165 GORHAM, E. A note on the acidity and base status of raised and blanket bogs. J. Ecol. 41:153-156. Ref. Jan.1953. 450 J829
Ireland.

31166 HOLDEN, A. E. Plant life in the Scottish Highlands; ecology and adaptation to their insect visitors. Edinburgh,Oliver and Boyd,1952. 319 p. 463.89 H71

31167 HOPKINS, H. H., ALBERTSON, F. W., and RIEGEL, D. A. Ecology of grassland utilization in a mixed prairie. Kans. Acad. Sci. Trans. 55:395-418. Ref. Dec.1952. 500 K13T

31168 HUTCHINGS, G. E. Regional survey and local scientific societies. So.-East. Nat. & Antiquary 57:44-51. 1952. 501 So82
Includes ecological study of vegetation in various parts of England.

31169 JALAS, J. Floristic studies in southwest Finland. I. Main features of the vascular plant flora in the Laitila area. (In Finnish.) Suomalisen Eläin- ja Kasvitiet. Suran Vanamon. Tiedonannot ?:29-43. Ref. 1951. 410.9 Su7T

31170 KÖNEKAMP, A. H., and WEISE, F. Pflanzensoziologie und grünlandkartierung im dienste der landwirtschaft. Forschanst. f. Landwirt,Schrreihe 5:7-21. 1952. 105.8 B832

31171 MATHON, C. C. Sur quelques problèmes de phytocénologie. Feuille des Nat. (n.s.)7:74-78. Sept./Oct. 1952. 410 F432

31172 MISRA, R., and JOSHI, N. K. The forest-complex of Patharia Hill, Sagar. Indian Bot. Soc. J. 31:154-170. Ref. 1952. 450 J821

31173 MONTELUCCI, G. Physocaulos nodosus Koch, new to Lazio. (In Italian.) Nuovo Gior. Bot. Ital. 58: 421-422. 1951,pub.1952. 450 N92
English summary.
An ecological note.

31174 MULLER, C. H. The association of desert annuals with shrubs. Amer. J. Bot. 40:53-60. Feb.1953. 450 Am36

31175 OCHSNER, F. Moose in den pflanzengesellschaften des Languedoc. Schweiz. Bot Gesell. Ber. 62: 106-122. Ref. Dec.1952. 451 Sch9

31176 OVINGTON, J. D. A study of invasion by Holcus mollis L. J. Ecol. 41:35-52. Ref. Jan.1953. 450 J829
North-east Scotland.

31177 PONCE DE LEON, P. Evolución de las formaciones vegetales transitorias en Cuba. I. Soc. Cubana de Bot. Rev. 9:91-93. July/Sept.1952. 451 So123

31178 PRAT, H. Notes sur les zones de végétation du Mexique. (Sum.) Assoc. Canad.-Franç. pour l'Avanc. des Sci. Ann. 18:82-86. 1952. 517 M76

31179 PURI, G. S. The field method in the study of plant communities. Indian Bot. Soc. J. 31:204-213. Ref. 1952. 450 J821

31180 RAO, C. B. On the distribution of algae in a group of six small ponds. J. Ecol. 41:62-71. Ref. Jan. 1953. 450 J829

31181 RAWITSCHER, F., and others. Some observations on the plant ecology of the caatingas (In Portuguese) Acad. Bras. de Cien. An. 24:287-301. Ref. Sept.1952. 516 R473A
K. Hueck, J. Morello, and K. H. Paffen, joint authors.

31182 ROSE, F. "Atlantic" species in the flora of the Weald. So.-East. Nat. & Antiquary 57:18-23. 1952. 501 So82

31183 ROUND, F. E. An investigation of two benthic algal communities in Malham Tarn, Yorkshire. J. Ecol. 41:174-197. Ref. Jan.1953. 450 J829

31184 SAPPA, F. Illustrations and examples of the Querceti of the Langhe by the biocoenotic method of E. Schmid. (In Italian.) Nuovo Gior. Bot. Ital. 58:195-236. Ref. 1951,pub.1952. 450 N92
English summary.

31185 SARFATTI, G. Associations of Quercus coccifera L. near Torre Novaglie in Salento (Puglia.) (In Italian.) Nuovo Gior. Bot. Ital. 58:383-384. 1951, pub.1952. 450 N92
English summary.

31186 SCURFIELD, G. Ecological observations in Southern Pennine woodlands. J. Ecol. 41:1-12. Ref. Jan.1953. 450 J829

31187 SEARS, P. B. An ecological view of land-use in Middle America. Ceiba 3:157-165. Jan.30,1953. 475 C32

31188 SEGURA VIUDAS, A. Nota sobre cuatro especies adventicias halladas en los arrozales del delta del Llobregat. Barcelona. Inst. Bot. Collect. Bot. 3:168-173. 1952. 451 B234

31189 SLANGER, B. Use of ecology on range land. Mont. Stockgrower 25:8-9. Jan.15,1953. 49 M76

31190 SLAWINSKI, W. Zespoły kserotermiczne okolic Kazimierza nad Wisłą. Xerotherme pflanzengesellschaften im umgebung der stadt Kazimierz am Weichsel (Poland). Lublin. U. M. Curie-Sklodowskiej. Ann. Sect. E 6:327-359. 1952. 512 L96Ae
German summary.

31191 SMALL, J. A. The Pine Barrens of New Jersey. Bartonia 26:19. Dec.22,1952. 451 P532

31192 SORIANO, A. La regeneración de la vegetación en zonas áridas. Cien e Invest. 8:544-549. Ref. Dec. 1952. 475 C482
Palestine.

31193 STEENIS, C. G. G. J. VAN, Rheophytes. Roy. Soc. Queensland. Proc. 62:61-68. Sept.1952. 514 B775

31194 TALLARICO, G. Studies and research in the field of plant and animal biology: the importance and limitations of environmental factors. (In Italian.) Agricoltura 1(12):36-38. Dec.1952. 16 Ag8226

31195 TOMASEVIĆ, G. Uber die phytocoenosen der Grdelicka Kisura. (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Šumarski Fakul. God. Zbornik 3:205-246. Ref. 1949/50,pub.1951. 21.5 Sk5
German summary.

31196 TUTIN, T. G. The vegetation of the Azores. J. Ecol. 41:53-61. Ref. Jan.1953. 450 J829

31197 UJVÁROSI, M. Experimente auf äckern zur untersuchung der unkrautbekämpfenden wirkung der verschiedenen getreidesaaten. Acta Agron. [Budapest] 2: 149-207. Ref. 1952. 19 Ac8
English summary.

31198 WHITTAKER, R. H. A consideration of climax theory: the climax as a population and pattern. Ecol. Monog. 23:41-78. Ref. Jan.1953. 410 Ec72

31199 YAMAGATA, N. Inorganic components of plants at the bog district "oze-ga-hara" and its neighbours. (In Japanese.) Chem. Soc. Japan. J. 73:470-477. July 1952. 385 T57J

MORPHOLOGY, ANATOMY, AND CYTOLOGY

31200 AGATI, G. Observations on the floral biology of the cucumber. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:251-262. Ref. Nov./Dec.1952. 86 R22
English summary.

31201 ALDER, E. F. On floral induction in smooth brome grass in relation to tiller age and development. Chicago,U. Chicago Press,1952. 26 p. 60.1 AL2
Thesis - University of Chicago.

31202 AMMAL, E. K. J., and SAUNDERS, B. Chromosome numbers in species of Lonicera. Kew B. 4:539-541. 1952. 451 K51B

31203 ARMENISE, V. Cambial activity of the olive in autumn, 1950. (In Italian.) Nuovo Gior. Bot. Ital. 58: 384-385. 1951,pub.1952. 450 N92
English summary.

31204 ARNOLD, C. A. Some observations on the anatomy of the common geranium. Mich. Acad. Sci. Arts & Let. Papers 37:3-11. 1951,pub.1952. 500 M582
Pelargonium zonale.

31205 AZZI, G. The morphological unity of the Italian varieties of beans. (In Italian.) Riv. di Biol. 44:419-425. Aug./Sept.1952. 442.8 R52
English summary.

31206 BAILEY, I. W. Evolution of the tracheary tissue of land plants. Amer. J. Bot. 40:4-8. Jan.1953. 450 Am36

31207 BALLY, W. The cotton plant. Ciba Rev. 95: 3398-3403. Dec.1952. 306.8 C48

31208 BANNAN, M. W. Further observations on the reduction of fusiform cambial cells in Thuja occidentalis L. Canad. J. Bot. 31:63-74. Jan.1953. 470 C16C

31209 BAUM, H. Uber die "primitivste" karpellform. Osterr. Bot. Z. 99:632-634. Ref. 1952. 450 Os7

31210 BELL, H. P. The growth cycle of the blueberry and some factors of the environment. Canad. J. Bot. 31:1-6. Jan.1953. 470 C16C

31211 BERGER, C. A., LAFLEUR, A. L., and WITKUS, E. R. C-mitosis in Commelina communis L. J. Hered. 43:243-247. Sept./Oct.1952. 442.8 Am3

31212 BÖMEKE, H. Missbildungen an früchten. Obstbauversring. Mitt. 7:246-250. Dec.1952. 85 J76

31213 BONAVENTURA, G. Floral fasciation in Cereus peruvianus Mill. (In Italian.) Nuovo Gior. Bot. Ital. 58:405-407. 1951,pub.1952. 450 N92
English summary.

31214 BOSSHARD, H. H. Elektronemikroskopische untersuchungen im holz von Fraxinus excelsior L. Schweiz. Bot. Gesell. Ber. 62:482-508. Ref. Dec.1952. 451 Sch9

31215 BUONVINO, C. Correlation between the number of leaves and number of flowers in Muscari neglectum Guss. (In Italian.) Nuovo Gior. Bot. Ital. 58: 386. 1951,pub.1952. 450 N92
English summary.

31216 BUVAT, R. Morphological changes in chondriosomes. Endeavour 12(45)33-37. Ref. Jan.1953. 472 En2
Chicory used for study.

31217 CRÉTÉ, P. Embryogénie des Boragacées. Developpement de l'embryon chez l'Eritrichium strictum Decne. Acad. des Sci. Compt. Rend. 236:224-226. Jan. 12,1953. 505 P21

31218 DRAWERT, H. Der fluoreszenzoptische nachweis von chloroplasten in den schliesszellen von Allium cepa L. Flora [Jena] 139:329-332. Ref. 1952. 450 F66

31219 EDEN, W. G. Relationship between husk cover of corn and rice weevil [Sitophilus oryza] damage in the field. (Abs.) Ala. Acad. Sci. J. 21/22:100. Feb.1952. 500 AL12

31220 EICHHORN, A. Contribution à l'étude caryologique des palmiers. Acad. des Sci. Compt. Rend. 236: 315-316. Jan.19,1953. 505 P21

31221 ESAU, K., CHEADLE, V. I., and GIFFORD, E. M. Comparative structure and possible trends of specialization of the phloem. Amer. J. Bot. 40:9-19. Ref. Jan.1953. 450 Am36

31222 ESAU, K. Plant anatomy. New York,Wiley, 1953. 735 p. 463.41 Es1

31223 ESTEVES, I. A. Anatomy of the culm of some wheats. (In Portuguese.) Melhoramento 5:21-51. Ref. 1952. 105.7 M48
English summary.

31224 FRANCINI, E. Determination of the cones and sex in Pinus halepensis Mill. (In Italian.) Accad. Naz. dei Lincei. Cl. di Sci. Fis. Mat. e Nat. Atti. Rend. (ser. 8) 12:428-436. Ref. Apr.1952. 507 R66

31225 FRANCINI, E. Influence of the leaves on the sex of olive flowers. (In Italian.) Accad. Naz. dei Lincei. Cl. di Sci. Fis. Mat. e Nat. Atti. Rend. (ser.8) 12:330-333. Mar.1952. 507 R66

31226 GARDÉ, A. Caryologic note on three Portuguese Orobanchaceae. (In Portuguese.) Genet. Iberica 3:133-142. 1951. 443.8 G28

31227 GARDÉ, A. Short note on the caryology of some Portuguese Gramineae. (In Portuguese.) Genet. Iberica 3:145-153. Ref. 1951. 443.8 G28
English summary.

31228 GEITLER, L. Untersuchungen über kopulation und auxosporenbildung pennater Diatomeen. IV., V. Österr. Bot. Z. 99:598-605. 1952. 450 Os7

31229 GUPTA, S. C. An abnormal feature in the life-cycle of Uromyces proeminens (DC) Lev. on Euphorbia hypericifolia L. Cur. Sci. 21:348. Dec.1952. 475 Sci23

31230 HANSON, A. A., and HILL, H. D. The occurrence of aneuploidy in Phalaris spp. Torrey Bot. Club B. 80:16-20. Jan./Feb.1953. 451 T63B

31231 HEIM, R., and JACQUES-FELIX, M. Études expérimentales sur la spécificité des Hyménomycètes. Nutrition et balancement des caractères morphologiques culturaux chez Armillariella mellea et Clitocybe tabescens. Acad. des Sci. Compt. Rend. 236:167-170. Jan.12, 1953. 505 P21

31232 HEUSSER, C. Die blütenformen der heute in der Schweiz angebauten tabakvarietäten. Schweiz. Bot. Gesell. Ber. 62:509-526. Dec.1952. 451 Sch9

31233 HOLTTUM, R. E. The sympodial habit of tropical monocotyledons. (Sum.) Brit. Agr. B. 5'319. Jan. 1953. 10 B776

31234 HOUWINK, A. L., and KREGER, D. R. Observations on the cell wall of yeasts; an electron microscope and X-ray diffraction study. Antonie van Leeuwenhoek J. Microbiol. & Serol. 19:1-24. Ref. 1953. 448.8 N28A

31235 JONES, K. The cytology of some British species of Agrostis and their hybrids. Brit. Agr. B. 5:316. an.1953. 10 B776

31236 KIDD, H. J. Haploid and triploid sorghum. J. Hered. 43:204,225. Sept./Oct.1952. 442.8 Am3

31237 KING, G. C. 'Diffuse' centromere, and other cytological observations on two desmids. Nature [London] 71:181. Jan.24,1953. 472 N21

31238 KRETSCHMER, H. Von der gestalt der pilze. Urania 15:428-432. Nov.1952. 474 Ur1

31239 KÜSTER, E. Zytomorphologische betrachtungen über regeneration. Oberhess. Gesell. f. Nat.- u. Heilk. Ber. Natwiss. Abt. (n.s.)25:25-50. Ref. 1952. 509 G36N
In plants.

31240 LEVRING, T. Remarks on the submicroscopical structure of eggs and spermatozoids of Fucus and related genera. Physiol. Plant. 5:528-539. Ref. 1952. 450 P564

31241 MALHEIROS-GARDÉ, N., and GARDÉ, A. Agmatoploidy in the genus Luzula DC. (In Portuguese.) Genet. Iberica 3:155-176. Ref. 1951. 443.8 G28
English summary.

31242 MAZZOLANI, G. On the supposed existence of mixed buds in the olive (Olea europaea L.) (In Italian.) Nuovo Gior. Bot. Ital. 58:418-420. 1951,pub.1952. 450 N92
English summary.

31243 MEISSNER, F. Die korkbildung der früchte von Aesculus- und Cucumis-arten. Österr. Bot. Z. 99: 606-624. Ref. 1952. 450 Os7

31244 MESSERI, A. Anomalies in the differenciation of wood in branches of olives defoliated at different times. (In Italian.) Nuovo Gior. Bot. Ital. 58:337-354. 1951,pub.1952. 450 N92
English summary.

31245 MIKAELSEN, K. Rapid squash methods for chromosome studies in vegetative buds of spruce and birch. (In Norwegian.) Norway. Skogforsøksves. Meddel. 11:507-523. 1952. 99.9 N833
English summary.

31246 MILIČIČ, D. Zur kenntnis der phlobaphenkörper in früchten einiger Malus-arten. Protoplasma 41: 327-335. Ref. 1952. 442.8 P94

31247 MITTELHOLZER, A. S. L'influence de la position des racèmes sur la production de la graine de luzerne. (Sum.) Assoc. Canad.-Franç. pour l'Avanc. des Sci. Ann. 18:65-67. 1952. 517 M76

31248 MOOSE, B. The origin and structure of bridge tissues in ring-grafted apple stems. J. Hort. Sci. 28:41-48. Jan.1953. 80 J825

31249 NAGARAJ, M. Floral morphology of Populus deltoides and P. tremuloides. Chicago,1952. 48 p. 463.46 N13
Thesis - University of Chicago.

31250 OKUNO, H. Electron-microscopical study on Antarctic diatoms. 3. J. Jap. Bot. 27:347-356. Nov. 1952. 450 J8223

31251 PAL, N. A contribution to the life-histories of Stellaria media, Linn. and Polycarpon loeflingiae, Benth. & Hook. Natl. Inst. Sci. India. Proc. 18:363-378. Ref. Sept./Oct.1952. 513 N212

31252 PAOLIS, D. DE. Growth and annual wood rings in Quercus troiana Webb, Q. pubescens W., and Q. coccifera L. in Puglia. (In Italian.) Nuovo Gior. Bot. Ital. 58:386-392. 1951,pub.1952. 450 N92
English summary.

31253 PATEL, G. I. Chromosome basis of dioecism in Trichosanthes dioica Roxb. Cur. Sci. 21:343-344. Dec.1952. 475 Sci23

31254 PERJE, A. M. Some causes of variation in Ranunculus ficaria L. Arkiv f. Bot. (ser.2)2:251-264. Ref. 1952. 451 Sv2

31255 PIJL, L. VAN DER. Absciss-joints in the stems and leaves of tropical plants. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:574-586. Nov./Dec.1952. 442.9 Am8

31256 PIJL, L. VAN DER. The stamens of Ricinus. Phytomorphology 2:130-132. Aug.1952. 450 P566

31257 PROSKAUER, J. On the nuclear cytology of Hydrodictyon. Hydrobiologia 4:399-408. Sept.1,1952. 410 H992

31258 RAO, C. V. Floral anatomy of some Malvales and its bearing on the affinities of families included in the order. Indian Bot. Soc. J. 31:171-203. Ref. 1952. 450 J821

31259 REDDY, N. S. Chromosome numbers in Coleus. J. Hered. 43:233-237. Ref. Sept./Oct.1952. 442.8 Am3

31260 REEDER, J. R. The embryo of Streptochaeta and its bearing on the homology of the coleoptile. Amer. J. Bot. 40:77-80. Ref. Feb.1953. 450 Am36

31261 RESCH, A. Untersuchungen über kerndifferenzierung in peripheren zellschichten der sprossachse einiger blütenpflanzen. Chromosoma 5:296-316. Ref. 1952. 442.8 C46

31262 REZENDE-PINTO, M. C. DE. Über die genese und die struktur der chloroplasten bei den höheren pflanzen. Protoplasma 41:336-342. Ref. 1952. 442.8 P94

31263 SCHENK, P. J. Playful mother nature. (In Flemish.) Cult. en Handel 19:54-56. Jan.1953. 80 C892
Abnormalities of foxglove.

31264 SCHÜEPP, O. Wachstum und zellanordnung im sprossgipfel erläutert am beispiel des Springbrunnentypus von Microcycas. Schweiz. Bot. Gesell. Ber. 62:592-627. Ref. Dec.1952. 451 Sch9
English summary.

31265 SCHWANTES, G. Die früchte der Mesembryanthemaceen. Zürich. U. Bot. Mus. Mitt. 193,38 p. 1952. 451 Z82
Morphology.

31266 SIMONIAN, V. H., and YOUNGKEN, H. W. Pharmacognostical study of American Berberis. Amer. Pharm. Assoc. J. Sci. Ed. 42:111-116. Ref. Feb.1953. 396.9 Am33J
Includes morphology.

31267 SPINA, P. Observations on the morphology and biology of the olive flower in Sicily. (In Italian.) Olivicoltura 7(11):3-9. Ref. Nov.1952. 80 OL42

31268 SWAMY, B. G. L. Some aspects in the embryology of Zygogynum bailloni. V. Tiegh. Natl. Inst. Sci. India. Proc. 18:399-406. Sept./Oct.1952. 513 N212

31269 TEILING, E. Evolutionary studies on the shape of the cell and of the chloroplast in desmids. Bot. Not. 3:264-306. Ref. 1952. 450 B656

31270 THERMAN, E. Attraction of chromosomes in the mitosis and meiosis of Ornithogalum. Suomalisen Eläin- ja Kasvitiet. Suran Vanamon. Tiedonannot 6:17-18. Ref. 1951. 410.9 Su7T

31271 THERMAN, E. Cap nucleoli in the embryo-sac mother cells of triploid Lilium tigrinum. Suomalisen Eläin- ja Kasvitiet. Suran Vanamon. Tiedonannot 6:12-17. Ref. 1951. 410.9 Su7T

31272 TRYON, K. Cystopteris bulbifera (L.) Bernh., a convenient source of apical cells for slides. Mich. Acad. Sci. Arts & Let. Papers 37:87-90. 1951,pub.1952. 500 M582

31273 TULLIN, V. The morphology of sugar beets. (In Italian.) Indus. Sac. Ital. 45:362-375. Sept./Oct.1952. 65.8 In23

31274 VENKATESWARLU, J. Embryological studies in Lecythidaceae. I. Indian Bot. Soc. J. 31:103-116. Ref. 1952. 450 J821

31275 WARDLAW, C. W. Morphogenesis in plants. London,Methuen,1952. 176 p. (Methuen's Monographs on Biological Subjects) 463.42 W21

31276 WELLENSIEK, S. J. Rejuvenation of woody plants by formation of sphaeroblasts. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:567-573. Ref. Nov./Dec.1952. 442.9 Am8

31277 WIESENMÜLLER, F. Zur struktur der ersten weizenschrote. Mühle 89:778. Dec.25,1952. 298.8 M89

31278 WILSON, G. B., TSOU, T., and HYYPIO, P. Variations in mitosis. II. The interrelation of some basic deviations. J. Hered. 43:211-215. Sept./Oct.1952. 442.8 Am3
Observations from Allium root tips.

31279 WOOD, J. L. A cytological study of ascus development in Ascobolus magnificus Dodge. Torrey Bot. Club. B. 80:1-15. Ref. Jan./Feb.1953. 451 T63B

31280 WYLIE, R. B. A study of tissues about a large leaf mine. Iowa Acad. Sci. Proc. 59:145-151. 1952. 500 Io93

31281 YANG, B. Pollen grain morphology in the Ericaceae. Taiwan Mus. Q. J. 5:1-24. Ref. Mar.1952. 513 T133

31282 ZIEGLER, A. W. Meiosis in the Saprolegniaceae. Amer. J. Bot. 40:60-66. Ref. Feb.1953. 450 Am36

31283 ZINECKER-BRAUER, I. Uber das mitoseverhalten in den wurzelspitzen von Vicia faba. I. Die gesamtvariabilität der mitosehäufigkeit. Chromosoma 5:317-340. Ref. Nov.21,1952. 442.8 C46

GENETICS

31284 BATEMAN, A. J. Self-incompatibility systems in angiosperms. Heredity 6:285-310. Ref. Dec.1952. 443.8 H42

31285 BEJNAR, W. Vegetative crosses of beets. (In Polish.) Rocz. Nauk Roln. 61:249-258. 1952. 20.5 R59
English summary.

31286 BOERGER, A. Genética de la inmunidad vegetal en el Rio de La Plata. Arch. Fitotéc. del Uruguay 5:55-93. Ref. 1952. 102.5 Ur8A
English summary, p. 173.

31287 CHANDRASEKHARAN, P. The occurrence of barren tillers in a heterozygous rice. Madras Agr. J. 39: 605-610. Dec.1952. 22 M262

31288 COOK, R. C. Soviet genetics. Foreign Agr. 17:13-15. Jan.1953. 1.9 Ec7For

31289 DENMARK. STATENS PLANTEAVLSKONTOR. Beretning fra Statens Planteavlsudvalg for finansaret 1951-52 [Report of the Danish Institute of Plant Breeding for the fiscal year 1951-1952]. København,1952. 87 p. 11 D412A

31290 DOWRICK, G. J. The chromosomes of Chrysanthemum. Heredity 6:365-375. Ref. Dec.1952. 443.8 H42

31291 ERNST, A. Muttergleiche nachkommen nach interspezifischen kreuzungen bei blütenpflanzen. Experientia 9:7-16. Jan.15,1953. 475 Ex7
English summary.

31292 FUCHS, W. H. Die verhütung nicht parasitärer erkrankungen bei getreide auf dem wege der züchtung. Oberhess. Gesell. f. Nat.- u. Heilk. Ber. Natwiss. Abt. (n.s.)25:51-77. 1952. 509 G36N

31293 GRANT, V. Cytogenetics of the hybrid Gilia millefoliata × achilleaefolia. I. Variations in meiosis and polyploidy rate as affected by nutritional and genetic conditions. Chromosoma 5:372-390. Ref. Nov.21,1952. 442.8 C46

31294 HAAN, H. DE. Plant improvement in Great Britain. (In Dutch.) Nieuwe Veldbode 19:266-267. Dec.24/31,1952. 12 V542N

31295 HASKELL, G. Genetics of cold tolerance in maize and sweet corn seed. Heredity 6:377-385. Ref. Dec.1952. 443.8 H42

31296 JENSEN, N. F., and KENT, G. C. Disease resistance from a wheat × rye cross. J. Hered. 43:242. Sept./Oct.1952. 442.8 Am3

31297 KORIC, M., and JAMSEK-KORIC, S. Ein durch kreuzung erhaltener verzweigter vulgare-weizen. (In Serbo-Croatian.) Biljna Proizvodnja 4:193-205. Ref. Sept./Oct.1951. 64.8 B49
German summary.

31298 KOSIKOV, K. V. Inheritance of newly acquired enzymatic properties of yeasts during sexual reproduction (spore formation). (In Russian.) Akad. Nauk SSSR. Dok. 87:283-285. Nov.11,1952. 511 P444A

31299 LANDSKRONA, SWEDEN. WEIBULLSHOLMS VÄXTFÖRÄDLINGSANSTALT. Arbetsplan för Weibullsholms Växtförädlingsanstalt för ar 1953 [Work plan for Weibullshom's Plant Breeding Institute for the year 1953] Landskrona,1952. 42 p. 64.9 L232A

31300 LARROQUE, P. Les complexes héréditaires et la sélection. Agriculture [Paris] 16:307-309. Dec. 1952. 14 Ag823
Plants.

31301 LARSON, R. I. Aneuploid analysis of the inheritance of stem solidness in common wheat. Mich. U. Diss. Abs. 12:772-773. 1952. 241.8 M58

31302 LINDEGREN, C. C., and LINDEGREN, G. Asci in Saccharomyces with more than four spores. Genetics 38:73-78. Jan.1953. 442.8 G28

31303 MECHELKE, F. Die entstehung der polyploiden zellkerne des antherentapetums bei Antirrhinum majus L. Chromosoma 5:246-295. Ref. 1952. 442.8 C46

31304 MEYER, D. E. Untersuchungen über bastardierung in der gattung Asplenium. Biblioth. Bot. 123,34 p. Ref. 1952. 452.6 B47

31305 MURPHY, R. P., and ATWOOD, S. S. The use of I_1 families in breeding smooth bromegrass. Agron. J. 45:24-28. Jan.1953. 4 Am34P

31306 NASCIMENTO, A. C. DO. Improvement of plants. (In Portuguese.) Agronomia [Rio de Janeiro] 11: 39-58. (Cont.) Jan./Mar.1952. 9.2 Ag892

31307 NAURIYAL, J. P. Self-incompatibility in pumelo (Citrus maxima Merr.) Cur. Sci. 21:347. Dec. 1952. 475 Sci23

31308 NELSON, O. E., and CLARY, G. B. Genic control of semi-sterility in maize, an inbred with pollen semi-sterility and ovule semi-sterility caused by different genes. J. Hered. 43:205-210. Ref. Sept./Oct.1952. 442.8 Am3

31309 NUFFER, M. G. A study of a mutable allele of A_1 and certain related modifiers of mutation in maize. Mich. U. Diss. Abs. 12:773-774. 1952. 241.8 M58

31310 OZOL, A. M., and ZARUBIN, A. F. Effect of living conditions on change of hybrid nut seedlings. (In Russian.) Akad. Nauk SSSR. Dok. 87:287-290. Nov.11, 1952. 511 P444A

31311 PALMCRANTZ, P. J. Über züchtung von Elodea densa. Beitr. z. Biol. der Pflanzen 29:220-231 Ref. 1952. 450 C66

31312 PÎATNITSKIĬ, S. S. Experiment in crossing cork oak (Quercus suber L.) with deciduous species. (In Russian.) Akad. Nauk SSSR. Dok. 87:291-292. Nov.11, 1952. 511 P444A

31313 PIROVANO, A. Phyletic value of induced mutations and hybrids. (In Italian.) Nuovo Gior. Bot. Ital. 58:414-416. 1951,pub.1952. 450 N92
English summary.

31314 PLANT breeding in the seed trade. II-IV. Agr. Merchant 32:234-236,257-258,322-323. Sept.-Oct.,Dec.1952. 10 Ag89

31315 POGLIAGA, H. H. Híbrido intergenérico, Nicotiana x Petunia. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(57):16. Sept.1952. 9 Id3

31316 RUSSELL, N. H. An example of introgressive hybridization between Viola papilionacea Pursh and V. nephrophylla Greene. Iowa Acad. Sci. Proc. 59:134-140. 1952. 500 Io93

31317 ŠIRMER, A. Beginning of the Michurin movement in Czechoslovakia. (In Czech.) Za Socialist. Zeměděl. 2:1324-1326. Nov.1952. 19.5 Z1

31318 STAUDT, G. Zur selbststerilität von Fragaria viridis Duch. Naturwissenschaften 39:572. Dec.15,1952. 474 N213

31319 STEVENS, C. M., and MYLROIE, A. Inhibition effects in back-mutation tests with mutants of Neurospora. Nature [London] 171:179-180. Jan.24,1953. 472 N21

31320 UNGER, K. Agrarmeteorologische untersuchungsmethoden in der pflanzenzüchtung. Leipzig. U. Wiss. Z. 2:123-124. 1951/52. 509 L532

31321 WHALEY, W. G. The growth of reciprocal tomato-tobacco grafts. Torrey Bot. Club. B. 80:26-32. Ref. Jan./Feb.1953. 451 T63B
Experiments did not show genetic modification as claimed by Russian investigators.

31322 WILSIE, C. P., CHING, C. B., and HAWK, V. B. Self-fertility and progeny performance in Bromus inermis Agron. J. 44:605-609. Ref. Dec.1952. 4 Am34P

PHYSIOLOGY

31323 ÅBERG, B. On the growth-regulating effects of some 1-naphthyl and 2,4-dichlorophenoxy derivatives without carboxyl groups. Physiol. Plant. 5:567-574. Ref. 1952. 450 P564
Tests on flax seedlings.

31324 ABRAMS, G. J. VON. The method of water absorption. Amer. Rose Mag. 11:26-30. Jan.1953. 80 Am327A

31325 ALDOUS, J. G., and STEWART, D. K. R. The effect of ultraviolet radiation upon enzymatic activity and viability of the yeast cell. Canad. J. Med. Sci. 30: 561-570. Ref. Dec.1952. 470 C16E

31326 ANDREEVA, T. F., and PLYSHEVSKAIA, E. G. Investigation of protein formation in process of photosynthesis by using N^{15}. (In Russian.) Akad. Nauk SSSR. Dok. 87:301-304. Ref. Nov.11,1952. 511 P444A
Experiments with Aztec tobacco and corn.

31327 ANGULO CARPIO, M. D. Aportaciones para el estudio de variaciones cromosómicas inducidas por ultrasonidos. II. Acción sobre mitosis de Allium cepa. Genet. Iberica 3:113-132. Ref. 1951. 443.8 G28
English summary.

31328 ANQUEZ, M. Quelques sujetions économiques et techniques dans l'application pratique au blé des méthodes de vernalisation. Internatl. Cong. Refrig. Proc. 8: 725-727. 1951. 295.9 In82

31329 ARLAND, A. Die transpirationsintensität der pflanzen als grundlage bei der ermittlung optimaler acker- und pflanzenbaulicher kulturmassnahmen. Leipzig U. Wiss. Z. 2:1-4. 1951/52. 509 L532

31330 BALANSARD, J., and BERNARD, P. Action des marrubinate et marrubylmarrubinate de magnésie sur la germination. Ecole Colon. d'Agr. de Tunis. Assoc. Amicale des Anciens Eléves. B. Période. 134:39-42. May/June 1952. 24 T833B
Experiment with wheat.

31331 BALDRATI, I. Australian salt bushes [Atriplex] and salty and alkaline soils of Italy. (In Italian.) Humus 8(11):26-31. Nov.1952. 16 H88

31332 BANDURSKI, R. S., and others. The effect of temperature on the color and anatomy of tomato leaves. Amer. J. Bot. 40:41-46. Jan.1953. 450 Am36
F. M. Scott, M. Pflug, and F. W. Went, joint authors.

31333 BANOCH, Z. Condition of soil moisture in various plants depending on previous crops in the south Moravian region in the year 1951. (In Czech.) Československ. Akad. Zemědél. Sborn. Rada B 25:15-19. Aug. 1952. 19.5 C332Ca
Comment by J. Simon, p. 19-22.

31334 BARKER, J., and SAIFI, A. F. EL. Studies in the respiratory and carbohydrate metabolism of plant tissues. III-IV. Roy. Soc. London. Proc. Ser. B, Biol. Sci. 140:508-555. Ref. Jan.15,1953. 501 L84B

31335 BASTIANONI, M. The influence of temperature on the tillering of spring wheats. (In Italian.) Riv. di Ecol. 2:212-218. 1952. 410 R522
English summary.

31336 BEEVERS, H. 2,4-dinitrophenol and plant respiration. Amer. J. Bot. 40:91-96. Ref. Feb.1953. 450 Am36

31337 BENEDICT, R. C. Can you strike fire from Equisetum stems? Amer. Fern. J. 42:152-153. Oct./Dec 1952. 450 Am35

31338 BENNETT, E. L., and BONNER, J. Isolation of plant growth inhibitors from Thamnosma montana. Amer. J. Bot. 40:29-33. Jan.1953. 450 Am36

31339 BLANCK, A., and BENAS, G. La chlorose de la vigne et des arbres fruitiers. Réveil Agr. 62:20-21. Jan.16,1953. 14 R322

31340 BLONDEL, B. Résistance et sensibilité aux sulfamidés d'algues unicellulaires. Arch. des Sci. 5: 121-173. Ref. 1952. 475 Ar23

31341 BONDE, E. Auxins and auxin precursors in plants. Nature [London] 171:180-181. Jan.24,1953. 472 N21

31342 BRANCATO, F. P., and GOLDING, N. S. Gas requirements of molds: the importance of dissolved oxygen in the medium for germination and growth of several molds. Nowest. Sci. 27:33-38. Feb.1953. 470 N81
Tests with Aspergillus, Geotrichum, and Penicillium.

31343 BRAUNER, L., and HASMAN, M. Weitere untersuchungen über den wirkungsmechanismus des heteroauxins bei der wasseraufnahme von pflanzenparenchymen. Protoplasma 41:302-325. Ref. 1952. 442.8 P94

31344 BRIDGERS, B. T. Studies of factors inhibiting the rooting of Rhododendron cuttings. II. Amer. Rhododendron Soc. Q. B. 7:11-28. Ref. Jan.15,1953. 81 Am398

31345 BRILLIANT, V. A., and KRUPNIKOVA, T. A. On varied conditions under which the dark reactions of photosynthesis take place. (In Russian.) Akad. Nauk SSSR. Dok. 86:1223-1226. Oct.21,1952. 511 P444A
Experiments with aquatic plants.

31346 BROOKS, M. Ferns associated with black walnut trees. Amer. Fern. J. 42:124-130. Oct./Dec.1952. 450 Am35

31347 BROYER, T. C. On volume enlargement and work expenditure by an osmotic system in plants. Physiol. Plant. 5:459-469. Ref. 1952. 450 P564

31348 BRYNER, W., and KUNDERT, J. Spritzversuche zur bekämpfung der zinkmangelkrankheit im obstbau. Landwirt. Jahrb. der Schweiz (n.s.)2:87-100. Ref. 1953. 17 L23

31349 BUCHNER, A. Was muss man von der nährstoffaufnahme durch die pflanzen wissen? Deut. Landwirt.-Gesell. Mitt. 68:32-33. Jan.8,1953. 18 N39

31350 BURBIDGE, N. T. The significance of the mallee habit in Eucalyptus. Roy. Soc. Queensland. Proc. 62:73-78. Ref. Sept.1952. 514 B775

31351 CALDECOTT, R. S. The effects of X-radiation on genic material. Nowest. Sci. 27:25-32. Feb.1953. 470 N81
Tests with Himalaya barley.

31352 CARLETON, R. M. Seed germination. MEGA 12(5):33-38. Dec.1952. 90.32 M52B

31353 CAVAZZA, L. Action of alcohol on hard seeds. (In Italian.) Nuovo Gior. Bot. Ital. 58:393-397. 1951,pub.1952. 450 N92
English summary.
Tests with seeds of Hedysarum and Gleditschia.

31354 CAVAZZA, L. Observations on the stimulating action of borax. (In Italian.) Nuovo Gior. Bot. Ital. 58:392-393. 1951,pub.1952. 450 N92
English summary.
Experiment with wheat.

31355 CAVAZZA, L. Reciprocal influence of germinating wheat grains. (In Italian.) Nuovo Gior. Bot. Ital. 58:397-404. Ref. 1951,pub.1952. 450 N92
English summary.

31356 CIAMPI, C. The evolution of the wood ring in Quercus suber L. (In Italian.) Nuovo Gior. Bot. Ital. 58:293-304. 1951,pub.1952. 450 N92
English summary.

31357 CIAMPI, C. The evolution of wood ring in Castanea sativa Mill. (In Italian.) Nuovo Gior. Bot. Ital. 58:271-292. 1951,pub.1952. 450 N92
English summary.

31358 CROCKER, W., and BARTON, L. V. Physiology of seeds; an introduction to the experimental study of seed and germination problems. Waltham,Mass., Chronica Botanica,1953. 267 p. (New Series of Plant Science Books. 29) 463.3 C87

31359 DANGEARD, P., and PARRIAUD, H. Action des solutions de chloral sur le chondriome des méristèmes végétaux. Acad. des Sci. Compt. Rend. 236:260-262. Jan.19,1953. 505 P21

31360 DATTA, N. P., and RAJ, H. G. Effect of boron and molybdenum fertilizers on berseem (Trifolium alexandrinum). Nature [London] 171:134-135. Jan.17,1953. 472 N21

31361 DAVEY, J. B. "Buttoning" in cauliflowers; factors affecting. Queensland Fruit & Veg. News 2(41):7. Aug.22,1952. 280.38 Q3

31362 DAVIÐSSON, I. Molybdenum deficiency of cauliflower. (In Icelandic.) Garðyrkjufélag Íslands. Ársrit 1952:54-56. 86 Is4

31363 DENFFER, D. VON. Die hormonale beeinflüssung pflanzlicher gestaltungsprozesse. Oberhess. Gesell. f. Nat.- u. Heilk. Ber. Natwiss. Abt. (n.s.)25:123-133. Ref. 1952. 509 G36N

31364 DEROPP, R. S., and others. Effect of coconut milk fractions on growth of carrot tissue. Soc. Expt. Biol. & Med. Proc. 81:704-705. Dec.1952. 442.9 So1
J. C. Vitucci, B. L. Hutchings, and J. H. Williams, joint authors.

31365 DERSCHEID, L. A., STAHLER, L. M., and KRATOCHVIL, D. E. Differential responses of oat varieties to 2,4-dichlorophenoxyacetic acid (2,4-D). Agron. J. 45:11-17. Ref. Jan.1953. 4 Am34P

31366 DEULLIN, R. La possibilité de mieux connaitre le degré d'évolution de la banane à la coupe. Fruits 7:529-533. Dec.1952. 80 F9492

31367 DREIBRODT, L. Gefässversuch über den einfluss der wasserversorgung auf den ertrag bei buschbohnen. Z. f. Acker— u. Pflanzenbau 95:353-359. Oct. 1952. 18 J825

31368 DYAR, M. T. Studies on the reduction of a tetrazolium salt by green plant tissue. Amer. J. Bot. 40:20-25. Ref. Jan.1953. 450 Am36
In chloroplasts of many plants and in the cytoplasm of a blue-green alga.

31369 DYKYJ-SAJFERTOVÁ, D. Influence of growth stimulants upon enzymes of germinating seeds. 1. (In Czech.) Česposlov. Akad. Zeměděl. Sborn. 25:317-332. Ref. Oct.1952. 19.5 C332C

31370 EICHENBERGER, E. Über die atmung lebender tabakblätter. Schweiz. Bot. Gesell. Ber. 62:123-163. Ref. Dec.1952. 451 Sch9

31371 ELZENGA, G. Investigation of viability and germination rate of Atropa belladonna, Digitalis purpurea, Digitalis lanata, Valeriana officinalis and Viola tricolor in connection with different seeds treatment. (In Dutch.) Herba 11:73-78. Sept.1952. 71.8 H412

31372 ENZMANN, J. Der einfluss des kalkes auf die relative transpiration der gerste. Leipzig. U. Wiss. Z. 2:5-76. Ref. 1951/52. 509 L532

31373 ERICKSON, L. C., and DEBACH, P. Rooting lemon cuttings with fruits attached. Science 117:102-103. Jan.30,1953. 470 Sci2

31374 FAULKNER, R. Early observations on the root development of one-year-old Corsican pine [Pinus nigra poiretiana] seedlings following root pruning. Scot. Forestry 7:23-26. Jan.1953. 99.8 Sco3

31375 FORWARD, D. F. The response of potato tubers to a period of anaerobiosis. I. Canad. J. Bot. 31:33-62. Ref. Jan.1953. 470 C16C

31376 FRANCESCA, M. Action of colloidal metals on the germination of seeds in relation to the nature of their reserves. (In Italian.) Chimica (n.s.)7:375-377. Oct.1952. 385 C445

31377 FREY-WYSSLING, A. Wachstumsleistungen des pflanzlichen zytoplasmas. Schweiz. Bot. Gesell. Ber. 62:583-591. Ref. Dec.1952. 451 Sch9

31378 FRITZ, A. Veränderungen von plasmaeigenschaften durch vitalfarbstoffe. Osterr. Akad. der Wiss. Math.-Natwiss. Kl. Sitzber. Abt. 1,160:789-828. Ref. 1951. 510 V67

31379 FULKERSON, R. S. A preliminary study on the effect of some fungicides on the establishment of forage seedlings. Canad. J. Agr. Sci. 33:30-40. Jan./Feb.1953. 7 Sci2

31380 GARESTIER, R. Fructification et substances de croissance. II. B. des Engrais 346:186-189. (Cont.) Nov.1952. 57.8 B87

31381 GATTANI, M. L. White nonsporing mutants of Penicillium notatum chrysogenum induced by radioactivity. Cur. Sci. 21:167-168. June 1952. 475 Sci23

31382 GÄUMANN, E., and NAEF-ROTH, S. D'un cycle annuel de la sensibilité des tomates aux toxines. Acad. des Sci. Compt. Rend. 236:170-172. Jan.12,1953. 505 P21
Climatic cycle.

31383 GENEVES, L. Influence du froid prolongé sur les mitoses de méristèmes radiculaires. Acad. des Sci. Compt. Rend. 236:113-115. Jan.5,1953. 505 P21

31384 GENEVES, L. Quelques effets produits par le froid sur la cellule de parenchyme libérien de Cichorium intybus L. var. Internatl. Cong. Refrig. Proc. 8:329-331. 1951. 295.9 In82

31385 GILMORE, L. E. Nitrogen constituents of burley tobacco resulting from ammonium and nitrate nutrition. Canad. J. Agr. Sci. 33:16-22. Ref. Jan./Feb. 1953. 7 Sci2

31386 GODNEV, T. N., SHLYK, A. A., and TRET'IAK, N. K. On participation of phosphorus in the structure of chloroplasts. (In Russian.) Akad. Nauk SSSR. Dok. 87: 493-495. Ref. Nov.21,1952. 511 P444A

31387 GOIDANICH, G. Leaf scorch of the William pear. (In Italian.) Informatore Fitopatol. 2:120-124. Aug.15/30,1952. 464.8 In3
Physiological.

31388 GOVINDAN, P. R. Influence of zinc on tomato fruits. Cur. Sci. 21:15-16. Ref. Jan.1952. 475 Sci23

31389 GUPTA, M. Gregarious flowering of Dendrocalamus strictus. Indian Forester 78:547-550. Nov. 1952. 99.8 In2

31390 HAARER, A. E. Rationing sleep for plants. Com. Grower 2972:1103-1104. Dec.11,1952. 80 F941
Effect of light and darkness on flowering and seed germination.

31391 HALLAIRE, M., and NIGOND, J. Action de la température sur le développement des organismes dans les conditions naturelles. Acad. des Sci. Compt. Rend. 236:230-232. Jan.12,953. 505 P21
Plants.

31392 HARRIS, R. H., and WALSTER, H. L. Observations on a sixty-four year old wheat sample. Cereal Chem. 30:58-62. Jan.1953. 59.8 C33

31393 HÉRISSET, A. La photosynthèse in vitro en présence de phaeophytine. Soc. de Chim. Biol. B. 34: 867-869. 1952. 383 So1

31394 HILDEBRANDT, A. C., and RIKER, A. J. Influence of concentrations of sugars and polysaccharides on callus tissue growth in vitro. Amer. J. Bot. 40:66-76. Ref. Feb.1953. 450 Am36

31395 HISAUCHI, K. Plants which do not produce pollen grains. (In Japanese.) J. Jap. Bot. 27:345. Nov. 1952. 450 J8223

31396 HOARE, E. R. What a tomato needs to breathe. Grower [London] 39:222. Jan.31,1953. 286.83 M34

31397 HOFLER, K., and SCHINDLER, H. Algengallen ten im vitalfärbeversuch. Osterr. Bot. Z. 99:529-555. Ref. 1952. 450 Os7

31398 HOLTTUM, R. E. Vegetative habit in the genus Eulophia (Orchidaceae). Roy. Soc. Queensland. Proc. 62:57-59. Sept.1952. 514 B775

31399 HUGHES, T. J. Copper accumulations are toxic to plant growth. Fla. Grower 61(2):17,29. Feb. 1953. 80 F6622
Chelated iron used to combat chlorosis in Florida citrus groves.

31400 IBANEZ MARCO, D., and JORDI GONZALEZ, R. Influencia de las fito-hormonas en el desarrollo de los vegetales. Inst. Agr. Catalán de San Isidro. Rev. 101: 205-210. (Cont.) Sept.1952. 15 Sa5

31401 IBANEZ MARCO, D., and JORDI GONZÁLEZ, R. Influencia de las fito—hormonas en el desarrollo de los vegetales. Inst. Agr. Catalán de San Isidro. Rev. 101:229-232. (Cont.) Oct.1952. 15 Sa5

31402 IBAÑEZ MARCÓ, D., and JORDI GONZÁLEZ, R. Influencia de las fito-hormonas en el desarrollo de los vegetales. Inst. Agr. Catalán de San Isidro. Rev. 101: 261-266. (Cont.) Nov.1952. 15 Sa5

31403 IGUHI, N. Studies on Aspergilli. 5. The production of X-ray induced mutations in Aspergillus sojae. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:459-465. 1952. 385 Ag8
English summary.

31404 ILJIN, W. C. Fotosíntesis en las plantas. I. Acta Cient. Venezol. 3:112-118. July/Aug.1952. 475 Ac83

31405 JENSEN, E. Rapid procedure for the determination of cobalt in plant material. Analyt. Chim. Acta 7:561-566. Dec.1952. 381 An1

31406 JOHNSSON, H. How big can the tree grow? (In Swedish.) Skogen [Stockholm] 39:123*-124*. Nov.15, 1952. 99.8 Sk51

31407 JONES, G. B. The polarographic determination of copper and zinc in plants and soils. Analyt. Chim. Acta 7:578-584. Ref. Dec.1952. 381 An1

31408 JONES, W. N. Fused needle disease in Pinus palustris. Empire Forestry Rev. 31:325-326. Dec.1952. 99.8 Em72
Probably caused by temporary water shortages.

31409 JONES, W. W., and CREE, C. B. Survey of relations of leaf potassium to fruit size in Valencia oranges. Citrus Leaves 33(2):6-7. Feb.1953. 80 C492

31410 JULIA, M., and BAILLARGE, M. Facteurs de croissance des plantes. I. Sur l'acide acénaphtene-1 carboxylique. Soc. Chim. de France. B. 11/12:1065-1067. Ref. Nov./Dec.1952. 383 P21B

31411 KAMPTNER, E. Eine polarisationsoptische untersuchung an paramylonkörnern von Euglena und Phacus. Österr. Bot. Z. 99:556-588. Ref. 1952. 450 Os7

31412 KANNENBERG, H. Uber die einwirkung gesteigerter phosphorsäuregaben auf den phosphorsäuregehalt des grases bei verschiedenen böden. Grünland 2:4-7. Jan.1953. 18 G922

31413 KLINTEBERG, H. B. AF. Some observations concerning black leg disease on sugarbeets connected with chemical analysis investigations of soils. (In Swedish.) Nord. Jordbrforsk. 34:144-150. 1952. 11 N752
English summary.

31414 KOBEL, H. Untersuchungen über den einfluss des kupfers auf die pflanzliche transpiration. Phytopath. Z. 20:39-74. Ref. Nov.1952. 464.8 P562

31415 KOPERZHINSKIĬ, V. V. Direction of flow of nutritive substances in fruiting alfalfa. (In Russian.) Akad. Nauk SSSR. Dok. 87:857-860. Ref. Dec.11,1952. 511 P444A

31416 KOVOOR, A. Action du jus de raisin sur la croissance des tissus de crown-gall de Scorsonère cultivés "in vitro." Acad. des Sci. Compt. Rend. 236:309-311. Jan.19,1953. 505 P21

31417 KRAVTSOVA, B. E. On feeding soft wheat embryos with endosperms of various species and genera from the cereal family. (In Russian.) Akad. Nauk SSSR. Dok. 87:305-308. Nov.11,1952. 511 P444A

31418 KROG, N. E. The effects of uranium salts on higher plants. Mich. U. Diss. Abs. 12:770-771. 1952. 241.8 M58

31419 KRUYT, W. Effects of some plant growth substances on early growth of pea embryos in sterile culture; a study in connection with the problem of hormonisation of seeds. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:503-513. 1952. 442.9 Am8

31420 KUHNHOLTZ-LORDAT, G. Contribution à l'étude de la végétation dans ses rapports avec les phénoménes de l'eau, le Cirque de Mourèze (Hérault). Feuille des Nat. (n.s.)7:60-62. Sept./Oct.1952. 410 F432

31421 KURTZ, A. W. Practical use of hormones. Mountaineer Grower 23:23,25. Jan.1953. 80 M86
Apples.

31422 LAKON, G. Keimpotenz und keimtendenz nach dem heutigen stand der forschung. Saatgut-Wirt. 4:259-261. (Cont.) Nov.1952. 61.8 Sa1

31423 LAL, K. N., RAO, M. S. S., and DE, R. Nutrient effect upon chlorophyll content of sugarcane leaves. Natl. Inst. Sci. India. Proc. 18:603-619. Ref. Nov./Dec. 1952. 513 N212

31424 LANDENBERGER, R. Hemm- und wuchsstoffe bei Pseudomonas fluorescens. Z. f. Natforsch. 7b:630-632. Nov.1952. 474 Z3

31425 LANGER, C. A. Effect of maleic hydrazide on the thinning of peaches during three successive years. Mich. Agr. Expt. Sta. Q. B. 35:209-213. Nov.1952. 100 M58S

31426 LEHMANN, U. Die abhängigkeit der rotkleesamenerträge von der witterung. Saatgut-Wirt. 4:284-285. Dec.1952. 61.8 Sa1

31427 LEOPOLD, A. C., and GUERNSEY, F. S. Flower initiation in Alaska pea. I. Evidence as to the role of auxin. Amer. J. Bot. 40:46-50. Ref. Jan.1953. 450 Am36

31428 LEWIS, R. W. The vitamin nutrition of Alternaria solani. Phytopathology 42:657-659. Dec.1952. 464.8 P56

31429 LINDEN, G. Die wirkungsweise der 2,4-dichlorphenoxyessigsäure (2,4-D) im zusammenhang mit der atmungsintensität der pflanze. Beitr. z. Biol. der pflanzen 29:197-207. Ref. 1952. 450 C66

31430 LINDEN, L. VAN DER. L'influence de la lumière artificielle dans la culture des tomates. B. Hort. (n.s.)8:17-18. Jan.1,1953. 80 B873

31431 LIORET, C. Action de l'acide α-naphtalène acétique sur le métabolisme des tissus de racine de Scorsonère, cultivés in vitro. I. Acad. des Sci. Compt. Rend. 236:311-313. Jan.19,1953. 505 P21

31432 LIVINGSTON, G. A. Preliminary report on the reaction of radish plants. Rio Grande Val. Hort. Inst. Proc. 7:63-66. 1953. 81 L95
Use of isopropyl N-(3-chlorophenyl) carbamate.

31433 LOHNIS, M. P. Injury due to excess of manganese to potatoes. Tijdschr. over Plantenziekten 58:215-219. Ref. 1952. 464.8 T44

31434 LOUB, W. Uber die resistenz verschiedener algen gegen vitalfarbstoffe. Osterr. Akad. der Wiss. Math.-Natwiss. Kl. Sitzber. Abt. 1.160:829-866. Ref. 1951. 510 V67

31435 LUCKWILL, L. C. Studies of fruit development in relation to plant hormones. I-II. J. Hort. Sci. 28:14-40. Ref. Jan.1953. 80 J825
I, Hormone production by the developing apple seed in relation to fruit drop; II,The effect of naphthalene acetic acid on fruit set and fruit development in apples.

31436 LÜDECKE, H., and NITZSCHE, M. Uber den einfluss von natriumchlorid und natriumsulfat auf den ertrag und die beschaffenheit von zuckerüben. Zucker 5:457-464. Ref. Oct.15,1952. 65.8 Z82

31437 MCCULLOUGH, H. A. A preliminary comparison of tree mycorrhizas on fallen logs and on the forest floor. (Abs.) Ala. Acad. Sci. J. 21/22:101. Feb.1952. 500 AL12

31438 MCMILLAN, C. Variation in seedlings of Cupressus abramsiana Wolf. Madroño 12:28-30. Jan. 1953. 450 M26

31439 MAKSIMOVICH, A. E., OKANENKO, A. S., and BAKHIR, A. I. Peculiarities of biochemical processes in leaves of various arrangements in connection with sugar beet root formation. (In Russian.) Akad. Nauk SSSR. Dok. 87:313-316. Nov.11,1952. 511 P444A

31440 MARTH, P. C., and SCHULTZ, E. S. A new sprout inhibitor for potato tubers. Amer. Potato J. 29:268-272. Nov.1952. 75.8 P842
3-chloro-isopropyl-N-phenyl carbamate.

31441 MAURER, K. J. Qualitätsmindernde klimaeinflüsse auf die frucht. Obst u. Gart. 7:147-148. Oct.1952. 80 Ob75

31442 MAYBERRY, B. D. Growth and development of vegetable crops as influenced by foliage application of sucrose and major nutrient elements. Mich. U. Diss. Abs. 12:774. 1952. 241.8 M58

31443 MEDER, H. Uber die bedingungen der bildung von fumarsäure als endprodukt des stoffwechsels bei Rhizopus-arten. Schweiz. Bot. Gesell. Ber. 62:164-204. Ref. Dec.1952. 451 Sch9

31444 MELETTI, P. Histologic reactions in plants of Vicia faba treated with 2,4-D. (In Italian.) Nuovo Gior. Bot. Ital. 58:318-336. Ref. 1951,pub.1952. 450 N92
English summary.

31445 MELETTI, P. Histologic reactions in seedlings of Pisum sativum L. treated with hormones. (In Italian.) Nuovo Gior. Bot. Ital. 58:305-317. 1951,pub. 1952. 450 N92
English summary.
2,4-D used in the study.

31446 MELIN, E., and NILSSON, H. Transfer of labelled nitrogen from glutamic acid to pine seedlings through the mycelium of Boletus variegatus (Sw.) Fr. Nature [London] 171:134. Jan.17,1953. 472 N21

31447 MENEZES, O. B. DE. Vernalization of corn. (In Portuguese.) Agronomia [Rio de Janeiro] 11:73-78. Jan./Mar.1952. 9.2 Ag892
English summary.

31448 MEZZETTI, A. Internal brown spots of potato tubers. (In Italian.) Informatore Fitopatol. 2:149-152. Oct.15/30,1952. 464.8 In3

31449 MEZZETTI, A. The "vitrescence" of apples. (In Italian.) Informatore Fitopatol. 2:101-104. July 15/30,1952. 464.8 In3
A physiological disease.

31450 MILINKOVIČ, V. The influence of meteorological factors on the quality and quantity of the products of legumes for seed. (In Serbo-Croatian.) Biljna Proizvodnja 4:246-248. Nov./Dec.1951. 64.8 B49

31451 MINGES, P. A., and others. Brown checking of celery; variety and relative accumulation of potassium and boron found to be factors affecting incidence of disease. Calif. Agr. [Calif. Sta.] 6(12):5-6. Dec.1952. 100 C12Cag
M. Yamaguchi, J. E. Knott, A. R. Spurr, and J. E. Welch, joint authors.

31452 MINGES, P. A., and others. Resistant varieties urged to curb celery brown checking. West. Grower & Shipper 24(3):42-44. Feb.1953. 280.38 W52
M. Yamaguchi, J. E. Knott, A. R. Spurr, and G. E. Welch, joint authors.

31453 MITCHELL, J., and others. Crop and variety response to applied phosphate and uptake of phosphorus from soil and fertilizer. Agron. J. 45:6-11. Ref. Jan. 1953. 4 Am34P
H. G. Dion, A. M. Kristjanson and J. W. T. Spinks, joint authors.

31454 MODLIBOWSKA, R. Low temperature injury and frost resistance of plant tissues with special reference to fruit trees. Internatl. Cong. Refrig. Proc. 8:331-333. 1951. 295.9 In82

31455 MOEWUS, F., and SCHADER, E. Uber den einfluss von wuchs-und hemmstoffen auf das rhizoidwachstum von Marchantia-brutkörpern. Beitr. z. Biol. der Pflanzen 29:171-184. Ref. 1952. 450 C66

31456 MOORE, R. F. Downward translocation of phosphorus in separated maize roots. (Abs.) Ala. Acad. Sci. J. 21/22:51. Feb.1952. 500 AL12

31457 MORA URPI, J. E. Las fitohormonas y las sustancias reguladoras del crecimiento vegetal. Suelo Tico 6(27):63-66. Jan./June 1952. 8 Su2

31458 MORETTI, A. Some physiologic reactions from winter chemical treatment of grapevines. (In Italian.) Riv. di Frutticolt. 15:2-25. Ref. Jan.1953. 80 R52
English summary.

31459 MORINI, P. Hormone experiments in the cultivation of certain aromatic and medicinal plants. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 34:598-599. Dec.15,1952. 308.8 R52

31460 MORTENSEN, E. Influence of mild winters on peaches and other deciduous fruits in south Texas. Rio Grande Val. Hort. Inst. Proc. 7:12-17. 1953. 81 L95

31461 MOYSE, A. La fixation de l'anhydride carbonique par les feuilles de Bryophyllum daigremontianum Berger, à l'obscurité, en présence de tensions d'oxygène variées. Acad. des Sci. Compt. Rend. 236:313-315. Jan.19,1953. 505 P21

31462 MOYSE, A. La photosynthèse et le métabolisme des acides organiques chez Bryophyllum daigremontianum Berger. I. Acad. des Sci. Compt. Rend. 236: 111-113. Jan.5,1953. 505 P21

31463 MULDER, D. Some results of the investigation of nutritional diseases of fruit. (In Dutch.) T.N.O.-Nieuws 7:405-406. Dec.1952. 475 T11

31464 MUÑOZ GÓMEZ, A. Vernalización y fotoperiodismo. Agronomía [Lima] 17(72):123-131. Ref. Oct./Dec.1952. 9.8 Ag83

31465 NAKAMURA, M. On the absorption rate of rye. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:121-124. 1952. 389.9 J27

31466 NEWTON, J. W., and WILSON, P. W. Nitrogen fixation and photoproduction of molecular hydrogen by Thiorhodaceae. Antonie van Leeuwenhoek J. Microbiol. & Serol. 19:71-77. Ref. 1953. 448.8 N28A

31467 NICKELL, L. G. Effect of maleic hydrazide on normal and atypical growth of Rumex acetosa. Amer. J. Bot. 40:1-3. Ref. Jan.1953. 450 Am36

31468 NIEMANN, E. Vergleichende untersuchungen über die ausscheidung keimungshemmender stoffe aus früchten und samen unter besonderer berücksichtigung von Foeniculum vulgare Miller. Flora [Jena] 139:185-242. Ref. 1952. 450 F66

31469 NOGTEV, V. P. Rates of cell suction or "absorption rates" of plant cells as internal cell conductors of water in the plant. (In Russian.) Akad. Nauk SSSR. Dok. 87:497-500. Ref. Nov.21,1952. 511 P444A

31470 OBORN, E. T. Translocation studies in the submerged tissues of aquatic vascular plants. Mich. U. Diss. Abs. 12:771. 1952. 241.8 M58

31471 ØDEGÅRD, K. On the physiology of Phycomyces blakesleeanus Burgeff. I. Mineral requirements on a glucose-asparagine medium. Physiol. Plant. 5:583-609. Ref. 1952. 450 P564

31472 OLSEN, M. Counteracting drought injuries. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 73: 275-280. Dec.15,1952. 11 H35

31473 OPSAHL, W. On relation between summer temperature and seed ripening of Norway spruce. (In Norwegian.) Norway. Skogforsøksves. Meddel. 11:619-662. Ref. 1952. 99.9 N833
English summary.

31474 ORSAT, J. O. Chlorose calcaire de la vigne. Rev. Agr. de l'Afrique du Nord 50:904-905. Dec.12,1952. 80 R326

31475 PATRONE, G. Observations de Leonard de Vinci sur l'accroissement des arbres. (In Italian.) Italia Forest. e Mont. 7:272-275. Oct.1952. 99.8 It12
French summary.

31476 PEARSON, G. A., and GOSS, J. A. Observations on the effects of salinity and water table on young grapefruit trees. Rio Grande Val. Hort. Inst. Proc. 7:1-6. 1953. 81 L95

31477 PEICHL, L. Die beziehungen zwischen ertrag und witterung beim kernobst. Z. f. Acker— u. Pflanzenbau 95:233-260. Ref. Oct.1952. 18 J825

31478 PETERSON, C. E., and GWINN, A. B. Influence of vine killing and 2,4-D on yield, specific gravity, and vascular discoloration of potatoes. Amer. Potato J. 29:253-267. Ref. Nov.1952. 75.8 P842
At Clear Lake, Iowa.

31479 PHARIS, R. L., and UNRAU, J. Seed setting of alfalfa flowers tripped by bees and mechanical means. Canad. J. Agr. Sci. 33:74-83. Ref. Jan./Feb.1953. 7 Sci2

31480 PHOUPHAS, C. Action de l'hydrazide maléique sur la teneur en substances glucidiques des tissus de topinambour cultivés in vitro. Soc. de Chim. Biol. B. 34:900-903. 1952. 383 So1

31481 PILON, G., and others. Etudes sur nos érables. 1. Note sur la fructification de l'erable de Norvège (Acer platanoides L.). Rev. d'Oka 26:187-188. Nov./Dec.1952. 7 Ok1
J. Vézina, G. E. Girouard, and J. P. Paré, joint authors.

31482 PINEVICH, V. V. Effect of mineral fertilizers on qualitative composition of wheat proteins. (In Russian.) Akad. Nauk SSSR. Dok. 87:501-504. Ref. Nov.21,1952. 511 P444A

31483 PIRSON, A., and DORING, H. Induzierte wachstumsperioden bei grunalgen. Flora [Jena] 139:314-328. Ref. 1952. 450 F66

31484 PIRSON, A. Künstliche photosynthese? Umschau 53:34-35. Jan.15,1953. 474 Um7

31485 POHJAKALLIO, O. The daylight relations between North and South Finland. (In Swedish.) Nord. Jordbrforsk. 34:99-112. Ref. 1952. 11 N752
English summary.
Effects of light on field crops.

31486 PROCTOR, R. C. Heliotropism. Natl. Cactus & Succulent J. 7:63-68. 1952. 450 N21

31487 PUPILLO, M. "Ring-spot" of potatoes. (In Italian.) Informatore Fitopatol. 2:94-95. June 30,1952. 464.8 In3
Physiological.

31488 PUPILLO, M. White top of wheat. (In Italian.) Informatore Fitopatol. 2:53-54. Apr.15,1952. 464.8 In3

31489 RAW, G. R. Bee forage and nectar secretion. Bee World 34:31-33. Feb.1953. 424.8 B399

31490 RAW, G. R. The effect on nectar secretion of removing nectar from flowers. Bee World 34:23-25. Feb.1953. 424.8 B399

31491 REGE, R. D. Contribution of rain to crop growth. Sugar 48(2):33. Feb.1953. 65.8 F11

31492 REHM, S. The origin of toxic ammonia in germinating garden beet seed. J. Hort. Sci. 28:1-13. Ref. Jan.1953. 80 J825

31493 RIEHL, L. A., and WEDDING, R. T. Preliminary observations of effect of oil spray application timing on total soluble solids of Valencia orange juice. Citrus Leaves 33(2):10-11. Feb.1953. 80 C492

31494 ROBERTS, O. Water adsorption by potato leaves from fog. (Sum.) Brit. Agr. B. 5:313. Jan.1953. 10 B776

31495 ROD, J. The contribution to the judgement of some characters and their mutual relation in population of hairy vetch (Vicia vollosa). (In Czech.) Vysoké Skoly Zemédél. a Lesn. Sborn. 2:122-147. Ref. 1952. 105.92 B833
English summary.

31496 ROODENBURG, J. W. M. The influence of day-length on the health of plants. Tijdschr. over Plantenziekten 58:240-242. 1952. 464.8 T44

31497 RÖSSLER, P. Die erdelose pflanzenzucht in Deutschland. Gärt.-Kur. 7(22):1-3. Oct.23,1952. 80 G1942

31498 RUDIGER, W. Uber die wirkung von U 46 (2,4-D [Na]) auf lein. Beitr. z. Biol. der Pflanzen 29:185-196. Ref. 1952. 450 C66

31499 SAGROMSKY, H. Der einfluss des lichtes auf die rhythmische konidienbildung von Penicillium. Flora [Jena] 139:300-313. Ref. 1952. 450 F66

31500 SASAMURA, S. Photoperiodic sensibility of soy bean and Xantium to the faint light in twilight. (In Japanese.) Utsunomiya U. Col. Agr. B. 1:334-339. Mar. 1952. 107.6 Ut7B
English summary.

31501 SCHOLES, M. E. The effect of hexachlorocyclohexane on mitosis in roots of the onion (Allium cepa) and strawberry (Fragaria vesca). J. Hort. Sci. 28:49-68. Ref. Jan.1953. 80 J825

31502 SCHÖNFELLINGER, H. W. Untersuchungen mit radioaktivem tabakmosaikvirus. (Abs.) Osterr. Chem.-Ztg. 53:264. Nov.1952. 384 Os7

31503 SCHOPFER, W. H., and others. Recherches sur les inhibiteurs du développement et de la biogenèse des caroténoïdes. I-III. Arch des Sci. 5:194-205. 1952. 475 Ar23
E. Grob, G. Besson, and V. Keller, joint authors of I; E. Grob and G. Besson, joint authors of II-III.

31504 SCHULZ, F. Uber die regelung des fruchtansatzes mittels hormonspritzungen. Obstbau 72:11-12. Jan.1,1953. 80 Ob73

31505 SCHWABE, W. W. Die einflüsse von temperatur, tageslänge und lichtintensität auf die blütezeit der Chrysanthemen. Schweiz. Gärtztg. 55(49):2-5. Dec.11, 1952. 80 G1939

31506 SKRIPCHINSKIĬ, V. V. Dying off of perennial and winter cereals during a varied duration of seed vernalization. (In Russian.) Akad. Nauk SSSR. Dok. 87: 861-864. Dec.11,1952. 511 P444A
Experiments with rye and wheat.

31507 SMITH, W. H. Non-freezing injury to plant tissues caused by exposure to low temperatures. Internatl. Cong. Refrig. Proc. 8:338-341. 1951. 295.9 In82

31508 SOLTERO, F. V., and JOHNSON, M. J. The effect of the carbohydrate nutrition on penicillin production by Penicillium chrysogenum Q-176. Appl. Microbiol. 1:52-57. Jan.1953. 448.3 Ap5

31509 SPENCER, J. L. Effects of intense ultrasonic vibrations on Pisum. I-II. Growth 16:243-277. Ref. Dec. 1952. 442.8 G91

31510 STADELMANN, E. Zur messung der stoffpermeabilität pflanzlicher protoplasten. I. Osterr. Akad. der Wiss. Math.-Natwiss. Kl. Sitzber. Abt. 1.160:761-787. Ref. 1951. 510 V67

31511 STADLER, D. R. Chemotropism in Rhizopus nigricans. II. The action of plant juices. Biol. B. 104:100-108. Feb.1953. 442.8 B52

31512 STALEY, J. M., and TRUE, R. P. The formation of perithecia of Chalara quercina in nature in West Virginia. Phytopathology 42:691-693. Dec.1952. 464.8 P56

31513 STEINBACH, H. Uber das fruchten auslandischer bäume in Wien. Wetter u. Leben 4:163-165. Dec.1952. 340.8 W53

31514 STINSON, C. H. Relation of water-soluble boron in Illinois soils to boron content of alfalfa. Soil Sci. 75:31-36. Ref. Jan.1953. 56.8 So3

31515 STIVERS, R. K., and OHLROGGE, A. J. Influence of phosphorus and potassium fertilization of two soil types on alfalfa yield, stand, and content of these elements. Agron. J. 41:618-621. Dec.1952. 4 Am34P

31516 STOLWIJK, J. A. J. Photoperiodic and formative effects of various wavelength regions in Cosmos bipinnatus, Spinacia oleracea, Sinapis alba and Pisum sativum. I-II. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:489-502. 1952. 442.9 Am8

31517 STONEBANKS, J. A. The influence of temperature on the flowering qualities of bulbs. Internatl. Cong. Refrig. Proc. 8:582-586. 1951. 295.9 In82

31518 STREET, H. E., and ROBERTS, E. H. Factors controlling meristematic activity in excised roots. I. Experiments showing the operation of internal factors. Physiol. Plant 5:498-509. 1952. 450 P564
Tomato.

31519 STRUCKMEYER, B. E. The effect of maleic hydrazide on the anatomical structure of Croft Easter lilies. Amer. J. Bot. 40:25-29. Ref. Jan.1953. 450 Am36
Lilium longiflorum var. Croft.

31520 SUN, V. G., and LIU, P. D. An investigation of the water requirement of the autumn plant cane of F134 in Tainan. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 8:15-38. Ref. June 1952. 65.9 F76R
English summary.

31521 SYRETT, P. J., and FOWDEN, L. The assimilation of ammonia by nitrogen-starved cells of Chlorella vulgaris. III. The effect of the addition of glucose on the products of assimilation. Physiol. Plant.5:558-566. 1952. 450 P564

31522 TAGAWA, T., and OKAZAWA, Y. Physiological and morphological studies on potato plants. 8. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:185-193. Ref. 1952. 107.6 H682
English summary.

31523 TALUKDAR, S. Photoperiodism in sunnhemp C12,Crotalaria juncea L. Cur. Sci. 21:343. Dec.1952. 475 Sci23

31524 TARSO ALVIM, P. DE. Algunos estudios fitofisiológicos del Centro Interamericano del Cacao. Consorcio de Cent. Agr. de Manabi. Rev. 12(72):5-12. Ref. Oct./Dec.1952. 9.5 M31

31525 TESTI, G. D. Action of copper sulfate on rooting cuttings of Salix alba L. (In Italian.) Nuovo Gior. Bot. Ital. 58:420-421. 1951,pub.1952. 450 N92

31526 THEVENIN, L., and CORRIOLS, J. Essai de biormones sur mil-sorgho-arachide. Bambey Cent. de Rech. Agron. B. 6:3-6. 1952. 24 B21

31527 TICÓ, L. Qué papel desempeña la potasa en la vida de las plantas? Siembra [Madrid] 8(8/9):22-24. Aug./Sept.1952. 15 Si1

31528 TORSSELL, R. New methods for doing plant nutrition research. (In Swedish.) Växt-Närings-Nytt 8(9): 1-4. 1952. 57.8 V47

31529 TREMBLAY, F. T. Additional information on use of plant analysis to determine nutrient status of the potato plant. Pacific Nowest. Fert. Conf. Proc. 3:12-14. 1952. 57.9 P11

31530 TREMBLAY, F. T., and BAUR, K. E. Plant analysis—a method of determining the phosphorus requirements of peas. Agron. J. 44:614-618. Dec.1952. 4 Am34P

31531 URL, W. Permeabilitätsstudien mit fettsäureamiden. Protoplasma 41:287-301. Ref. 1952. 442.8 P94
Experiment with Gentiana cruciata.

31532 VIRGIN, H. I. An action spectrum for the light induced changes in the viscosity of plant protoplasm. Physiol. Plant. 5:575-582. Ref. 1952. 450 P564

31533 VIRTANEN, A. I. Atmosphärischer stickstoff als aufrechterhalter des lebens auf der erde. Angew. Chem. 65:1-11. Jan.7,1953. 384 Z33
English summary in supplement.
Research with plants.

31534 WAHHAB, A., and SHAH, Z. H. Effect of liming on the absorption of calcium, phosphorus and nitrogen by sorghum plant in alkaline soils. Agron. J. 44:621-624. Dec.1952. 4 Am34P

31535 WANNER, H. Natur und verteilung der löslichen kohlehydrate im erbsenkeimling. 2. Schweiz. Bot. Gesell. Ber. 62:205-217. Ref. Dec.1952. 451 Sch9
English summary.

31536 WARTIOVAARA, V. Ein fall von partiellem chlorophyllschwund bei Nitellopsis. Suomalisen Eläin- ja Kasvitiet. Suran Vanamon. Tiedonannot 6:6-11. 1951. 410.9 Su7T

31537 WARTIOVAARA, V., and TIKKANEN, R. Zur permeation des harnstoffs in pflanzenzellen. Suomalisen Eläin- ja Kasvitiet. Suran Vanamon. Tiedonannot 6:19-24. 1951. 410.9 Su7T

31538 WASSINK, E. C., and STOLWIJK, J. A. J. Effects of light of narrow spectral regions on growth and development of plants. I-II. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:471-488. Ref. 1952. 442.9 Am8

31539 WASSINK, E. C., and RAGETLI, H. W. J. Paper chromatography of hydrolized Oscillatoria phycocyanin. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:462-470. Ref. 1952. 442.9 Am8

31540 WEBER, J. R. Upward movement of radioactive phosphorus in three different plants. Iowa Acad. Sci. Proc. 59:141-144. 1952. 500 Io93
Corn, sunflower and tobacco.

31541 WELLENSIEK, S. J. Photoperiodism and temperature in Perilla. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:701-707. Nov./Dec. 1952. 442.9 Am8

31542 WENT, F. W. Distribution of plant injury due to organic air pollutants. Tijdschr. over Plantenziekten 58:253-254. 1952. 464.8 T44

31543 WIKEN, T., and RICHARD, O. Biotin und p-aminobenzoesäure als wuchsstoffe für frisch isolierte Clostridium-formen. Physiol. Plant 5:510-527. Ref. 1952. 450 P564
English summary.

31544 WILLAM, A. La saccharogénèse chez la betterave. Indus. Agr. et Aliment. 69:763-770. Nov. 1952. 383 As7
English summary.

31545 WILSON, M. C., and DAVIS, R. L. A preliminary report on insect tolerant alfalfa studies at Purdue University. (Abs.) Ind. Acad. Sci. Proc. 61:141. 1951,pub.1952. 500 In2

31546 WIT, C. T. DE, and TALSMA, T. Determination of the activities of roots with the aid of radioactive isotopes. (In Dutch.) Landbk. Tijdschr. 64:398-399. June 1952. 105.2 Or3

31547 YOUNG, P. A. Symptoms of hormone injury in tomato, pepper, and Rudbeckia. Plant Dis. Rptr. 37: 36-37. Jan.15,1953. 1.9 P69P
Wind-drifted herbicides.

31548 YUSEF, H. M. The requirements of some Hymenomycetes for essential metabolites. Torrey Bot. Club. B. 80:43-64. Ref. Jan./Feb.1953. 451 T63B

BIOCHEMISTRY

31549 AFANAS'EV, P. V. On some theoretical problems of biochemical processes. (In Russian.) Uspekhi Sovrem. Biol. 34:328-353. Ref. Nov./Dec.1952. 442.8 Er3
Observations on plants chiefly.

31550 ARNOLD, F. Studien über den morphingehalt der mohnpflanze. Leipzig. U. Wiss. Z. 2:122. 1951/52. 509 L532

31551 ARTHUR, D., MOTZOK, I., and BRANION, H. D. The determination of cobalt in forage crops. Canad. J. Agr. Sci. 33:1-15. Jan./Feb.1953. 7 Sci2

31552 BLACKWOOD, A. C. Production of cytases active on barley gum by bacteria of the genus Bacillus. Canad. J. Bot. 31:28-32. Jan.1953. 470 C16C

31553 BONNER, J., and MILLERD, A. Oxidative phosphorylation by plant mitochondria. Arch. Biochem. & Biophys. 42:135-148. Ref. Jan.1953. 381 Ar2

31554 CANTINO, E. C. The biochemical nature of morphogenetic patterns in Blastocladiella. Amer. Nat. 86:399-404. Nov./Dec.1952. 470 Am36

31555 CIFERRI, R. Sulfur in plants. (In Italian.) Italia Agr. 89:837-839. Dec.1952. 16 It1

31556 COSTA, F. DA. Spectrophotometric investigation of "cacao red." (In Portuguese.) Agron. Lusitana 14:59-93. Ref. 1952. 105.7 Ag8

31557 DARKEN, M. A. Production of vitamin B12 by microorganisms and its occurrence in plant tissues. Bot. Rev. 19:99-130. Ref. Feb.1953. 450 B6527

31558 DELECOUR, F. Amylases fongiques. Ann. de Gembloux 58:264-277. Ref. Fourth Q.1952. 13 G28

31559 DENES, G. Die enzymatische synthese des glutamins im Lupinus albus. Experientia 9:24-25. Jan. 15,1953. 475 Ex7
English summary.

31560 EMPKE, D. A. Some factors affecting the extraction of ascorbic acid from plant tissue. (Abs.) Ala. Acad. Sci. J. 21/22:49. Feb.1952. 500 AL12

31561 GAUMANN, E., NAEF-ROTH, S., and KOBEL, H. Uber fusarinsäure, ein zweites welketoxin des Fusarium lycopersici Sacc. Phytopath. Z. 20:1-38. Ref. Nov.1952. 464.8 P562

31562 GIRI, K. V., RADHAKRISHNAN, A. N., and VAIDYANATHAN, C. S. Transaminase activity in plants. Indian Inst. Sci. J. 34:305-313. Ref. Oct.1952. 513 In23

31563 GOODWIN, T. W., LIJINSKY, W., and WILLMER, J. S. Studies in carotenogenesis. 6. The effect of some possible carotene precursors on growth, lipogenesis and carotenogenesis in the fungus Phycomyces blakesleeanus. Biochem. J. 53:208-212. Ref. Jan.1953. 382 B52

31564 GRANGAUD, R., and GARCIA, I. Application de la chromatographie sur papier à l'étude des pigments de la fleur de Tecoma radicans L. Soc. de Biol. Compt. Rend. 146:1577-1579. Oct.1952. 442.9 P21

31565 GROH, A. W. Melassebildner in der zuckerrübe. Zucker 5:505-506. Nov.15,1952. 65.8 Z82

31566 ISHIKAWA, T. Studies on the natsumikan (Citrus aurantium L. subsp. natsudaidai) pectin. II. (In Japanese.) Chem. Soc. Japan. J. 73:539-543. Aug. 1952. 385 T57J

31567 JOHANSON, R. Interference of pentose in the estimation of hexose sugars with anthrone. Nature [London] 171:176-177. Jan.24,1953. 472 N21
In plants.

31568 KIERMEIER, F. Enzyme activity in frozen plant tissues. Internatl. Cong. Refrig. Proc. 8:344-346. 1951. 295.9 In82

31569 KRASIL'NIKOV, N. A. Enzymatic secretion by roots of higher plants. (In Russian.) Akad. Nauk SSSR. Dok. 87:309-312. Nov.11,1952. 511 P444A
Experiments with wheat, corn and peas.

31570 KRISHNAN, P. S., and BAJAJ, V. The polyphosphatases of Aspergillus niger. I. The non-identity of metaphosphatase with apyrase and pyrophosphatase. Arch. Biochem. & Biophys. 42:174-184. Ref. Jan.1953. 381 Ar2

31571 LEVITT, J. Two methods of fractionating potato tuber proteins and some preliminary results with dormant and active tubers. Physiol. Plant. 5:470-484. 1952. 450 P564

31572 LONG, W. G., and LEVITT, J. Distribution of Ca^{45} and P^{32} in protein fractions as a result of absorption by potato tuber slices. Physiol. Plant. 5:610-619. Ref. 1952. 450 P564

31573 LU, S. I. A study of variation in black pigment production in Ustilago zeae (Beckm.) Unger. Mich. U. Diss. Abs. 12:762-763. 1952. 241.8 M58

31574 LUCAS, E. H., and BYERRUM, R. U. Studies in plant carbonic anhydrase. I. Occurrence, distribution and properties. Mich. Acad. Sci. Arts & Let. Papers 37: 55-61. 1951,pub.1952. 500 M582

31575 MCCULLOUGH, M. E., and NEVILLE, W. E. The relation between chemical composition of herbage and livestock production. Better Crops Plant Food 37: 23-24,48-50. Ref. Jan.1953. 6 B46

31576 MANDELS, G. R. The properties and surface location of an enzyme oxidizing ascorbic acid in fungus spores. Arch. Biochem. & Biophys. 42:164-173. Ref. Jan.1953. 381 Ar2

31577 MARION, L., LEONARD, N. J., and MOORE, B. P The papilionaceous alkaloids. XVIII-XIX. Canad. J. Chem. 31:181-192. Feb.1953. 470 C16B
XVIII, Lupinus sericeus Pursh, by L. Marion, N. J. Leonard, and B. P. Moore: XIX, The structure of lupanoline, by B. P. Moore, and L. Marion.

31578 MAUNEY, J. R., and others. Bioassay, purification, and properties of a growth factor from coconut. Physiol. Plant. 5:485-497. Ref. 1952. 450 P564
W. S. Hillman, C. O. Miller, F. Skoog, R. A. Clayton, and F. M. Strong, joint authors.

31579 MIETTINEN, J. K., and VIRTANEN, A. I. The free amino acids in the leaves, roots and root nodules of the alder (Alnus). Physiol. Plant. 5:540-557. Ref. 1952. 450 P564

31580 MILLERD, A. Respiratory oxidation of pyruvate by plant mitochondria. Arch. Biochem. & Biophys. 42:149-163. Ref. Jan.1953. 381 Ar2

31581 MORS, W. B. Chemical studies on Brazilian lichens. I. The "Usneae" of the Organ Mountains. Rev. Bras. de Biol. 12:389-400. Ref. Dec.1952. 442.8 R326

31582 NOSE, Y., OKAMOTO, T., and HASEGAWA, E. Studies on the thiaminedecomposing thermostable factor of plant. (Sum.) J. Biochem. 39(5):27. Nov.1952. 385 J822

31583 PLOUVIER, V. Sur le pinitol des Conifères et le québrachitol des Aceracees; recherche de ces deux itols dans quelques autres familles. Acad. des Sci. Compt. Rend. 236:317-319. Jan.19,1953. 505 P21

31584 PROSKURÍÁKOV, N. I., and MOSOLOVA, I. M. Dynamics of glutathione during the germination of peas. (In Russian.) Akad. Nauk SSSR. Dok. 87:465-468. Ref. Nov.21,1952. 511 P444A

31585 RACUSEN, D. W., and ARONOFF, S. Metabolism of soybean leaves. V. The dark reactions following photosynthesis. Arch. Biochem. & Biophys. 42:25-40. Ref. Jan.1953. 381 Ar2

31586 RAYMOND-HAMET. Sur les alcaloïdes du Picralima nitida (Stapf) Th. et H. Durand. Acad. des Sci. Compt. Rend. 236:319-321. Jan.19,1953. 505 P21

31587 REBER, E., and MACVICAR, R. The nitrogen composition of cereal grasses. III. Amino acid distribution in field clippings and growing plants. Agron. J. 45: 17-21. Jan.1953. 4 Am34P

31588 REIFER, I., and TARNOWSKA, K. Microdetermination of glutamine in plant material. (In Polish.) Rocz. Nauk Roln. 61:233-244. Ref. 1952. 20.5 R59
English summary.

31589 SANNIE, C., and LAPIN, H. Recherches sur les sapogénines à noyau stérolique; identification de ces génines sur de petites quantités de plantes. Soc. Chim. de France. B. 11/12:1080-1085. Ref. Nov./Dec.1952. 383 P21B

31590 SCHRENK, W. G., and HAWLEY, J. E. Zinc content of Kansas grown alfalfa. Kans. Acad. Sci. Trans. 55:589-492. Dec.1952. 500 K13T

31591 SHAW, F. R. The sugar concentration of the nectar of some New England honey plants. Gleanings Bee Cult. 81:88-89. Feb.1953. 424.8 G47

31592 SHIGENO, Y., and SOTOME, S. Biochemical studies on the calabash (kampyo). (In Japanese.) Utsunomiya U. Col. Agr. B. 1:436-446. Mar.1952. 107.6 Ut7B
English summary.

31593 SISAKÍAN, N. M., and CHERNÍAK, M. S. On nucleic acids of [sugar beet] plastids. (In Russian.) Akad. Nauk SSSR. Dok. 87:469-470. Ref. Nov.21,1952. 511 P444A

31594 SOZANSKI, S., and BRONIARZ, J. Determination of phosphorus content in plants by J. Tischer's modified method. (In Polish.) Rocz. Nauk Roln. 61:245-247. 1952. 20.5 R59
English summary.

31595 SVERAK, L., and BILEK, H. Radioaktive zucker. (Abs.) Osterr. Chem.-Ztg. 53:264. Nov.1952. 384 Os7
In plants.

31596 TONZIG, S., and BRACCI, L. Studies on the physiology of ascorbic acid. V-VI. (In Italian.) Nuovo Gior. Bot. Ital. 58:237-270. Ref. 1951,pub.1952. 450 N92
English summary.
In roots of legumes, especially Rhizobium leguminosarum.

31597 VAN REEN, R., and SINGLETON, W. R. Sucrose content in the stalks of maize inbreds. Agron. J. 44:610-614. Ref. Dec.1952. 4 Am34P

31598 VARGAS MÉNDEZ, J. Distribución de los principios activos de la raiz del cube (Lonchocarpus utilis) y su influencia sobre el muestreo y los estudios experimentales. Agronomia [Lima] 17(70):96-105. July 1952. 9.8 Ag83

31599 WARD, G. M. The isolation and identification of sucrose from the seedling wheat leaf. Canad. J. Bot. 31:75-80. Ref. Jan.1953. 470 C16C

31600 WARD, G. M. Physiological and biochemical studies in plant metabolism. VII. The invertase of the seedling wheat leaf. Canad. J. Bot. 31:81-89. Ref. Jan.1953. 470 C16C

31601 WIERZCHOWSKI, Z., and OBUCHOWSKA, I. New methods for the determination of alkaloid-content in fodder-lupines. (In Polish.) Rocz. Nauk Roln. 61:159-192. Ref. 1952. 20.5 R59
English summary.

31602 WYKES, G. R. The sugar content of nectars. Biochem. J. 53:294-296. Ref. Jan.1953. 382 B52

31603 YATAZAWA, M., and SUMIKI, Y. The biochemistry of Bakanae fungus. 24. The chemical constitution of gibberellin. V. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:503-507. 1952. 385 Ag8
English summary.

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

31604 ÅBERG, E. Modern crop rotation problems. I-II. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12:1-7,78-81. 1952. 11 K12

31605 ÅKERMAN, Å. News about this year's experiment fields. (In Swedish.) Sveriges Utsädesfor. Tidskr. 62:395-400. 1952. 61.9 Sv23
Plant breeding.

31606 ANDERSEN, J. C. Planting of seed crops 1953. (In Danish.) Tidsskr. f. Frøavl 21:77-86. Dec.10, 1952. 61.8 T43

31607 BAIRD, J. C. Crop husbandry in Northern Ireland. Brit. Agr. B. 5:276-279. Jan.1953. 10 B776

31608 CABAL CABAL, C. J. Pasado y futuro de las ciencias agronómicas en Colombia. Agr. Trop. 8(12):51-56. Dec.1952. 26 Ag8

31609 CAMARÃO, M. C. Some basic agronomical concepts. V-VI. (In Portuguese) Bras. Açucareiro 40:224-226,363,365. Aug./Sept.1952. 65.8 B73

31610 CANADIAN SEED GROWERS' ASSOCIATION. 1951—1952 annual report and minutes of the 1952 annual meeting held at Ridgetown, Ont., June 18, 19, 20, 1952. Ottawa, 1952. 67 p. 61.9 C16

31611 CORPORATION DES AGRONOMES DE LA PROVINCE DE QUEBEC. Compte rendu du congrés général 1952. Agriculture [Montreal] 9:177-307. Summer/Autumn 1952. 7 Ag82

31612 DODSWORTH, T. L., and CAMPBELL, W. H. M. Studies on the productivity of first year ley grass when cut at different stages of growth, ensiled and fed to beef cattle. Brit. Grassland Soc. J. 7:151-159. Dec.1952. 60.19 B773

31613 FRANCE. MINISTERE DE L'AGRICULTURE. Catalogue des variétés de blé, avoine, orge, maïs, seigle pommes de terre, topinambour, soya, luzerne, lin cultivées en France. Versailles,1952. 20 p. 61.9 F84

31614 GREGORY, H. C. Recent developments in seed production in the United Kingdom. (Excerpts) Canad. Seed Growers' Assoc. Annu. Rpt. 1951/52:16-17. 1952. 61.9 C16

31615 HOLFELDER, A. Der saatgutbau im höhengebiet. Landwirt 1953:88-89,91-92. 18 L2342
Germany.

31616 HUMBERT, R. P. Recent advances in agronomy. Hawaii. Sugar Technol. Rpt. 1952:25-26. 65.9 H317

31617 INSTITUT NATIONAL POUR L'ÉTUDE AGRONOMIQUE DU CONGO BELGE. Rapport annuel pour l'exercice 1951. Gembloux,1952. 436 p. 24 In7R

31618 JURION, F. Le rôle de l'INEAC [Institut National pour l'Etude Agronomique du Congo Belge] dans le développement de l'agriculture congolaise. Cour. Agr. 17(21):1-2,4. Oct 22,1952. 24 C83

31619 KNOBLICH. Die grundelemente der fruchtfolge. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 124. Jan.22,1953. 18 L2346

31620 LADEIRA, J. S. Rotation of crops. (In Portuguese.) Fazenda 48:48,50. Jan.1953. 6 H11P

31621 MUTTI, U. Experiments in the culture of corn, tomatoes, potatoes, and forage crops and for the physical and chemical improvement of the soil. (In Italian.) Avvenire Agr. 60:280-292. Dec.1952. 16 Av9

31622 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Voederbieten [Feed beets] 1952. Ber. over Rassenkeuze 121,3 p. 1952. 64.9 W12

31623 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Voederbieten met matig en laag drogestofgehalte [Feed beets with a moderate and low dry matter contents] 1952. Ber. over Rassenkeuze 124,7 p. 1952. 64.9 W12

31624 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Voederbieten met hoog drogestofgehalte [Feed beets with high dry matter content] 1952. Ber. over Rassenkeuze 123,3 p. 1952. 64.9 W12

31625 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Voederbieten met zeer hoog drogestofgehalte, [Feed beets with very high dry matter content] 1952. Ber. over Rassenkeuze 122,2 p. 1952. 64.9 W12

31626 PETERSON, J. B. Policy for agronomic research. Soybean Digest 13(3):13-14. Jan.1953. 60.38 So9

31627 PICARD, J. Productivité et zones-témoins. Paysan Franç. 28(420):17. Dec.1952. 14 P29

31628 POILVACHE, J. La recherche agronomique. Rev. de l'Agr. 5:1319-1327. Dec.1952. 13 R322
English summary.
Belgium.

31629 RASMUSSEN, L. Strain and variety test. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:24-52. 1953. 11 B45
Field crops.

31630 ROCASOLANO, C. La técnica y los rendimientos agrícolas. Cult. Mod. 35:446. Dec.1952. 15 C89

31631 SCHMIDT, M. Verbesserte dreifelderwirtschaft und kleegraswirtschaft im flachgau möglich! Salzburger Bauer 7(16):10-12. (Concl.) Apr.17,1952. 19 Sa3

31632 SCHOBER, K. Methoden der saatgutproduktion und saatgutverbesserung. Landwirtschaft 1/2:11-13. Jan.1953. 19 L235
Austria.

31633 SCHRODER-ETZDORF. Erntezeit und technik. Übersicht 3(11):41-45. Nov.1952. 18 Ub3
Germany.

31634 SERVICIO TECNICO INTERAMERICANO DE COOPERACION AGRICOLA. Servicio de semillas. U. S. Inst. Inter-Amer. Aff. Div. Agr. & Nat. Resources. Activ. Ser. 1,8 p. Apr.1952. 173.3 In833
Paraguay.

31635 SKAARE, S. Crops and yields at Vidarshov 1952. (In Norwegian.) Samvirke [Oslo] 47:500-503. Dec. 15,1952. 280.28 Sa4

31636 SMUTS, I. J., and VAN GARDEREN, J. Akkerbouproewe op Kroonstad (1927-1946) [Field tests at Kroonstad (1927-1946)]. Union So. Africa. Dept. van Landb. Wetensk. Pam. 320,45 p. 1952. 24 So84Sd

31637 SOMMA, U. Corso di agricoltura. Volume II. Tecnica della coltivazione delle piante erbacee [Course of agriculture. Volume II. Cultivation technique for herbaceous plants]. Milano,1952. 351 p. 30.2 So5

31638 STOA, T. E. 1952 crop variety recommendations for North Dakota. N. Dak. Agr. Col. Ext. C. A-170, 6 p. Jan.1952. 275.29 N812Sa

31639 WALKER, T. W., and others. The use of fertilizers on herbage cut for conservation. II. Brit. Grassland Soc. J. 7:135-150. Ref. Dec.1952. 60.19 B773
G. H. A. Edwards, A. J. Cavell, and T. H. Rose, joint authors.

Cereals

31640 ANDERSON, R. What we learned about corn. Farm J. 77(2):38-39,168-169. Feb.1953. 6 F2212
Corn culture and yields.

31641 ARNON, J. Introduction and breeding of winter cereals. (In Hebrew.) Hassadeh 33:64-68. Nov. 1952. 26 H27

31642 ARVIER, A. C., and PINK, H. S. Maize-growing in the South Burnett. Queensland Agr. J. 75:275-287. Nov.1952. 23 Q33

31643 BAIN, R., and MARTIN, A. Barley varieties in the North. Scot. Agr. 32:158-161. Winter 1952/53. 10 Sco82So

31644 BALOŠIĆ, M. Two measures for an increase in yield of winter wheat. (A retrospect on the results of the tests conducted on the experimental farm of the Agricultural Technical School in Slavonska Požega). (In Serbo-Croatian.) Biljna Proizvodnja 4:241-246. Nov./Dec.1951. 64.8 B49

31645 BENOIST, M. Extension possible de la culture du maïs-grain au Nord de la Loire. Défense Agr. de la Beauce et du Perche 50:1-2. Jan.1,1953. 14 D36

31646 BERTIN, C., and RAUTOU, S. Expérimentation réalisée sur maïs-grain en 1951 dans les régions méridionales. France. Min. de l'Agr. B. Tech. d'Inform. 73:683-690. Oct.1952. 14 F844B

31647 BOESCHOTEN, D. Rice culture in South Europe. (In Dutch.) Boerderij 37(13):49-50. Dec.24, 1952. 12 B63

31648 BORASIO, L. Spanish rice culture. (In Italian.) Riso 1(11):15-17. Dec.1952. 59.8 R49

31649 BROEKHUIZEN, S., and JONGH, G. De invloed van de tijd van oogsten op de bakwaarde van tarwe. The influence of the time of harvesting on the baking value of wheat. Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Tech. Ber. 4,18 p. Oct.1952. 59.9 St5
English summary.

31650 BROOKS, J. S., PASS, H., and SMITH, J. W. Hybrid corn strains recommended for 1953. Okla. Agr. Expt. Sta. B. B-389,4 p. Jan.1953. 100 Ok4

31651 CAMERON, D. The quality of cereals and their industrial uses; agronomic characteristics of oat varieties. Chem. & Indus. 6:117-118. Feb.7,1953. 382 M31C

31652 CASTILLO ROYO, J. DEL. Cultivo de la cebada cervecera. Cult. Mod. 35:374. Oct.1952. 15 C89

31653 CASTILLO ROYO, J. DEL. La victoria del trigo. Cult. Mod. 35:444-446. Dec.1952. 15 C89
Culture.

31654 CAUDERON, A., LASCOLS, X., and TOUVIN, H Comportement du maïs dans la région de Paris. France. Min. de l'Agr. B. Tech. d'Inform. 73:673-681. Oct.1952. 14 F844B
Culture

31655 CHAPMAN, W. H. Floriland oats. Fla. Agr. Expt. Sta. C. S-53,8 p. Nov.1952. 100 F66Ci

31656 DAVID, E. Le "point" en matière de blé. Agriculture [Paris] 16:275-276. Nov.1952. 14 Ag823
Culture and disease control.

31657 DAVIES, F. F., and SIEGLINGER, J. B. Dwarf kafir 44-14 and Redlan, two new combine-type grain sorghums. Okla. Agr. Expt. Sta. B. B-384,11 p. June 1952. 100 Ok4

31658 DINI, D. Culture of grain in relation to soil management. (In Italian.) Agr. Tosc. 7:381-385. Nov. 1952. 16 Ag827

31659 DOSMAN, L. E. M. Dryland rice. (In Portuguese.) Fazenda 48:44. Jan.1953. 6 H11P

31660 FORLANI, R. A rapid glance at wheat through the ages. (In Italian.) Humus 8(11):9-12. Nov.1952. 16 H88

31661 FRIGERIO, J. C. Aspectos de la cosecha fina. Pampa Argentina 25(300):20-21. Dec.1952. 9 P19
Grain.

31662 FROIER, K. Grain breeding by the Swedish Seed Association. (In Swedish.) Sveriges Utsädesfor. Tidskr. 62:401-414. 1952. 61.9 Sv23

31663 HAMILTON, D. G. The approach method of barley hybridization. Canad. J. Agr. Sci. 33:98-100. Jan./Feb.1953. 7 Sci2

31664 HARVEY, P. H. North Carolina farmers like sorghum grain. East. Feed Merchant 4(2):26,28,83. Feb.1953. 389.78 Ea7
Varieties.

31665 HODGSON, R. E. Beware of soft corn. Land O'Lakes News. 33(4):7,14. May 1952. 44.8 L22

31666 HOESER, K. Der sommerweizen in den bayerischen landessortenversuchen. Landwirt. Wchnbl. 143: 157-158. Feb.7,1953. 18 L2338

31667 HOFMEYR, J. D. J. The origin and history of maize. Farming So. Africa 27:451-452. Oct.1952. 24 So842

31668 HORNE, F. R. Cereal agronomy. Chem. & Indus. 3:46-51. Jan.17,1953. 382 M31C

31669 ITALY. MINISTERIO AGRICOLTURA E FORESTE STAZIONE SPERIMENTALE DI MAISCOLTURA. Rapporto sulla sperimentazione maidicola 1951 [Report on corn experiments 1951]. Sta. Sper. di Maiscolt. Opscu. P. 71,49 p. 1952. 105.4 B453

31670 JONES, D. F., and others. Sweet and field corn report, Mt. Carmel and Windsor, Connecticut, 1952. Conn. (State) Agr. Expt. Sta. Rpt. Prog. 52G1,8 p. Jan.15, 1953. 100 C763S
H. T. Stinson, D. B. Walden, and A. P. Munson, joint authors.

31671 KIESSELBACH, T. A. What's wrong with the oats crop? Nebr. Farmer, Feb.7,1953:10,55. 6 N27
Culture in Nebraska.

31672 LEBEDEFF, G. A., and others. Summary of corn performance tests in north Georgia. Ga. Agr. Expt. Sta. Press B. 642,3 p. Jan.1953. 100 G29P

31673 LESHCHEV, V. Leading agricultural technique increases the nectar productivity of buckwheat. (In Russian.) Pchelovodstvo 29(10):23-26. Oct.1952. 424.8 P295

31674 LØVØ, P. J. Experiments with barley varieties at the State Experiment Station Voll and in local experiments in Møre and Romsdal, and in Trøndelag 1935-50. (In Norwegian.) Forsk. og Forsøk i Landbr. 3:171-208. Ref. 1952. 11 F772
English summary.

31675 LUNA ERCILLA, C. A. El arroz, su importancia y cultivo en la provincia de Corrientes. Bolsa de Com. Rosario. Rev. 40(983):4-6. Dec.31,1952. 287 R71
Culture.

31676 LYNCH, A. M. Factores climatéricos que intervienen en la producción de trigo; calidad de trigo y sus relaciones con el clima. Peru. Dir. Gen. de Com. Inform. Com. 3(33):3-4. Sept.1952. 286.9 P432

31677 MCAFEE, T. E., and others. Summary of the 1952 Texas corn performance tests. Tex. Agr. Expt. Sta. Prog. Rpt. 1518,7 p. Dec.12,1952. 100 T31P
J. W. Collier, J. S. Rogers, and J. M. Latham, joint authors.

31678 MALATO-BELIZ, J. New Portuguese wheats. (In Portuguese.) Melhoramento 5:5-20. 1952. 105.7 M48

31679 MANGELSDORF, P. C. Hybrid corn and the world food problem. N. Y. Farmers. Proc. 1951/52: 371-387. 1953. 4 N48P
Includes discussion.

31680 MANNES. Zur sortenwahl im sommerweizen- und sommergerstenanbau 1953. Hannoversche Land- u. Forstwirt. Ztg. 105:1300-1301,1318. Dec.24,1952. 18 H194

31681 MARCOS GONZALEZ, R. Las variedades de los trigos. Ceres [Valladolid] 18(199):38-39,41. Jan.1, 1953. 15 C33

31682 MEEBERG, M. V. O. El cultivo del maiz en Holanda. Tierra [México] 7:842-843. Dec.1952. 8 T445

31683 MENEZES, O. B. DE. Hybrid corn and the preservation of seeds. (In Portuguese.) Lav. e Criaçã 7(42):23-25. Sept.1952. 49 L392

31684 MIDWEST BARLEY IMPROVEMENT ASSOCIATION. Progress report, annual meeting, November 7, 1952. Milwaukee,1952. 46 p. Ref. 59.9 M582

31685 MOSEMAN, A. H. The time for research. Washington,U. S. Bur. Plant Indus., Soils & Agr. Engin., 1953. 17 p. 1.965 A2M85
Talk before meeting of the National Association of Wheat Growers, Omaha, Jan. 30, 1953.

31686 NEAL, N. P. Hybrid corn goes abroad! Crops & Soils 5(5):9-11. Feb.1953. 6 W55

31687 PANÉ MERCÉ, J. Zonas apropiadas para la siembra del trigo "Pane 247." Siembra [Madrid] 8 (8/9):14-16. Aug./Sept.1952. 15 Si1
Spain.

31688 PASS, H., BROOKS, J. S., and SMITH, J. W. Performance tests of corn varieties and hybrids, 1952. Okla. Agr. Expt. Sta. Misc. P. MP-29,23 p. Jan.1953. 100 Ok4

31689 PETRI, P. S. "Spiking" damage by hail to wheat stalks. (In Italian.) Genio Rur. 15:72-75. Feb. 1952. 281.8 R522

31690 PIZZORNO PEREIRA, J., and FISCHER, G. J. Ensayos chacareros complejos. Arch. Fitotéc. del Uruguay 5:137-148. 1952. 102.5 Ur8A
English summary, p. 177.
Wheat.

31691 POST, J. J. Climate and malt barley culture in the Netherlands. VI. (In Dutch.) Friesch Landbbl. 49:733. Dec.5,1952. 12 F91

31692 RICHARD, H. Ramassage du maïs à la main. Potasse 26:184. Nov.1952. 57.8 P84

31693 RICHARDSON, T. C. 100-bushel corn is no dream. Farmer-Stockman 56(2):14,56,64. Feb.1953. 6 Ok45

31694 ROGERS, H. Hybrid corn in Alabama. (Abs.) Ala. Acad. Sci. J. 21/22:108-109. Feb.1952. 500 AL12

31695 RYCKE, E. DE. Corn. (In Flemish.) Cult. en Handel 19:52-53. Jan.1953. 80 C892
Culture.

31696 SÃO JOSÉ, A. S. DE. Corn; how to produce it better and cheaper. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(7):17-39. July 1952. 9.2 M663
Culture.

31697 SAPPENFIELD, W. P. The inheritance of earliness among six common varieties of Avena. Mich. U. Diss. Abs. 12:766. 1952. 241.8 M58

31698 SHANDS, H. L., and DICKSON, A. D. Barley—botany, production, harvesting, processing, utilization and economics. Econ. Bot. 7:3-26. Ref. Jan./Mar.1953. 450 Ec7
Includes diseases.

31699 SIMMONS, C. F. Factors influencing small grain production in Alabama. Victory Farm Forum 46: 16. Dec.1952. 281.8 F226

31700 SKAARE, S. Growing more fall grain. (In Norwegian.) Samvirke [Oslo] 47:459-460. Nov.15,1952. 280.28 Sa4

31701 SOULMAGNON. La culture du riz au Maroc. Marchés Colon. du Monde 8:2771,2773-2774. Oct.25, 1952. 286.8 M33

31702 SOUTHERN CORN IMPROVEMENT CONFERENCE, 10, COLLEGE STATION, TEXAS, 1952. Report. Beltsville,U. S. Bur. of Plant Indus., Soils, & Agr. Engin.,1952. 43 p. 59.9 So87

31703 STANTON, T. R. Production, harvesting, processing, utilization and economic importance of oats. Econ. Bot. 7:43-64. Jan./Mar.1953. 450 Ec7

31704 STEVENSON, T. M., and others. The programme in operation for the production of seed corn in Ontario. Canad. Seed Growers' Assoc. Annu. Rpt. 1951/52:18-26. 1952. 61.9 C16
Contributions by H. F. Murwin, J. C. Steckley, G. C. Nichols and N. D. MacKenzie.

31705 TARCHETTI, A. Perhaps a hundred quintals per acre of rice can be raised on strong heath lands. (In Italian.) Riso 1(11):6-7. Dec.1952. 59.8 R49

31706 VALDEYRON, G., and JACQUARD, P. Enseignements techniques à tirer de la campagne de céréales 1951-52. Tunisie Agr. 53:85-106. Aug./Oct.1952. 24 T832
Cultural considerations.

31707 VERVELDE, G. J. Wonder wheat veneration. (In Dutch.) Drents Landbbl. 33(50):9. Dec.20,1952. 12 D812
Osiris wheat and breeding.

31708 WELLHAUSEN, E. J. Races of maize in Mexico: their origin, characteristics and distribution. Cambridge,Mass.,Bussey Inst. Harvard U.,1952. 223 p. 59.22 W45
English edition of Razas de maíz in México, originally published as Mexico. Secretaría de Agricultura y Ganadería Oficina de Estudios Especiales. Folleto técnico. No. 5 (8 M577F).

31709 WEST, H. I. 1953 corn practices for the Coastal Plains. Prog. Farmer, Ga-Ala.-Fla. Ed. 68(2):20 Feb.1953. 6 P945G

31710 WIIDAKAS, W., THOMASSON, G., and WIDDIFIELD, R. B. 1952 hybrid corn field trials. N. Dak. Agr. Expt. Sta. Agron. Mimeog. C. 85,21 p. Jan. 1953. 100 N813A

31711 WRAAE-JENSEN, H. Experiments with oat seed crops. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:59-63. 1953. 11 B45

31712 YAKUWA, R. Studies on the relationship between weather and the yield of rice in Hokkaido. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:199-205. 1952. 107.6 H682
English summary.

31713 YORK, J. O. Corn performance tests, 1952. Ark. Agr. Expt. Sta. Mimeog. Ser.11,21 p. Jan.1953. 100 Ar42M

31714 YORK, J. O. Recommended corn hybrids for Arkansas for 1953. Ark. Farm Res. 1(4):5. Winter 1952. 100 Ar42F

31715 ZWEIFEL, J., and KELLER, C. Le froment de printemps Lichti. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:93-95. Dec.1952. 17 J82A

Fiber Crops

31716 AFZAL, M. Improvement of the cotton plant. Pakistan Cotton B. 1:3-8. Sept.1952. 72.8 P17

31717 ANSARI, M. A. A. Maintenance of purity in improved cottons. Pakistan Cotton B. 1:9-15. Sept.1952. 72.8 P17

31718 BALLY, W. The cultivation of cotton. Ciba Rev. 95:3404-3410. Dec.1952. 306.8 C48

31719 BALTENSPERGER, A. A., and DUDLEY, D. I. Denton cotton variety tests, 1948-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1519,3 p. Dec.13,1952. 100 T31P

31720 CAMPBELL, J. D. One-variety cotton in Oklahoma. Okla. Agr. Expt. Sta. B. B-386,19 p. Sept. 1952. 100 Ok4

31721 CHEVALIER, A. Les transformations récentes de la culture du contonnier dans le monde. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:405-426. Ref. Sept./Oct. 1952. 26 R323

31722 CORRIOLS, J. Un essai de culture associée au Soudan; coton et mil ou coton et arachide? Bambey Cent. de Rech. Agron. B. 6:38-46. 1952. 24 B21

31723 DICKERSON, R. L., and O'KELLY, J. F. 12 varieties of cotton used in irrigation test. Miss. Farm Res. [Miss. Sta.] 16:1,8. Jan.1953. 100 M69Mi

31724 ELEAZER, J. M. More and better cotton this year. Prog. Farmer, Carolinas-Va. Ed. 68(2):164. Feb. 1953. 6 P945

31725 EMPIRE COTTON GROWING CORPORATION. Aden Protectorate. The Abyan Scheme and Cotton Experiment Station, season 1951-52. London,1952. 5 p. 72.9 G79Rs

31726 EMPIRE COTTON GROWING CORPORATION. Cotton Research Station, Namulonge progress report for the season 1951-52. London,1952. 35 p. 72.9 G79Rs

31727 FERREIRA, J. C. Culture of flax (Linum usitatissimum L.). (In Portuguese.) Agronomia [Rio de Janeiro] 11:5-22. Jan./Mar.1952. 9.2 Ag892

31728 GHAFFAR, M. A. "Dendera" cotton. Egypt. Cotton Gaz. 17:41-43. Sept.1952. 72.8 Eg9

31729 HAARER, A. E. Congo jute [Urena lobata] and its potentialities; a third jute substitute. World Crops 5:54-55. Feb.1953. 281.8 W892

31730 HAARER, A. E. The possibilities of Pavonia urens. Cordage World & Indus. Textiles 34(399):21,23. Jan.1953. 73.8 C813

31731 HINKLE, D. A. Growing cotton without cultivation. Ark. Farm Res. 1(4):2. Winter 1952. 100 Ar42F

31732 IÛLDASHEV, S. Agricultural technique for cotton adapted to mechanized harvesting. (In Russian.) Khlopkovodstvo 10:26-32. Oct.1952. 72.8 K522

31733 KANASH, P. Prospects of developing cotton culture in the South Ukrainian canal zone and the Kakhovka reservoir. (In Russian.) Khlopkovodstvo 9:8-14. Sept.1952. 72.8 K522

31734 KUTNEWSKY, F. Good growing conditions give New Mexico biggest cotton crop in the State's history. N. Mex. Stockman 18:74-75. Jan.1953. 49 N462

31735 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Vezelvlas [Fiber flax] 1952. Ber. over Rassenkeuze 125, 4 p. 1952. 64.9 W12

31736 O'KELLY, J. F., and others. Results of experiment station cotton variety test, 1952. Miss. Farm Res. [Miss. Sta.] 16:2. Jan.1953. 100 M69Mi
S. P. Crockett, B. C. Hurt, K. C. Freeman,J. B. Dick, and Z. F. Lund, joint authors.

31737 SELTZER R. E. Arizona—new cotton State; highest yields per acre here. Prog. Agr. Ariz. 4(4):6. Jan./Mar.1953. 6 P9452

31738 SHISHIKIN, E. A. Effect of pollination by honeybees on increasing the productivity of cotton. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.95-103. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

31739 SILVA, V. J. DA. New Zealand flax (Phormium tenax). (In Portuguese.) Chacaras e Quintais 86:783-784. Dec.15,1952. 9.2 C34

31740 SOKOLOV, K. Factors in organizing after-frost harvest of cotton in regions of non-irrigated cotton growing. (In Russian.) Khlopkovodstvo 9:39-45. Sept. 1952. 72.8 K522

31741 SOUDIEUX, C. Culture of ramie. (In Portuguese.) Lav. e Criação 7(42):26-28. Sept.1952. 49 L392

31742 STAUB, S., and LIMFAT, E. Kenaf in Mauritius. World Crops 5:51-53. Feb.1953. 281.8 W892

31743 TICO, L. Algo sobre el cultivo del algodón. Siembra [Madrid] 8(10):13-16. Oct.1952. 15 Si1

31744 VARELA VELASCO, A. Cómo producir más algodón. Asoc. Gen. de Agr. B. 328:3,5. Nov.30,1952. 8 As52

31745 WALLIN, B. Keep both hemp processing plants. (In Swedish.) Lantmannen 37:84-85. Jan.24,1953. 11 L234
Hemp culture in Sweden.

31746 WARE, J. O. Breeding varieties of cotton for mechanical picking. Ark. Farm Res. 1(4):3. Winter 1952. 100 Ar42F

31747 WARE, J. O., WADDLE, B. A., and JACKS, J. F. Northeast Arkansas cotton variety test for 1952. Ark. Agr. Expt. Sta. Mimeog. Ser.10,2 p. Dec.1952. 100 Ar42M

Forage Crops and Grasses

31748 AGOSTO, R. Forage plants can be helped the most in winter. (In Italian.) Colt. e Gior. Vinic. Ital. 98: 500-501. Dec.1952. 16 C72

31749 ALFALFA'S at home on the range; some 'new' varieties of this familiar legume offer exciting possibilities for increasing production on grazing lands. Farm Mangt. 2(3):60-65. Feb.1953. 281.8 F2225

31750 ALLDREDGE, T. D. People and grass. Better Crops Plant Food 37:25-26,47-48. Jan.1953. 6 B46
Grassland farming in Clay Co., Miss.

31751 ANDERSON, K. L. 500 pounds an acre—New Zealand's goal. Hoard's Dairyman 98:121. Feb.10,1953. 44.8 H65
Pasture management.

31752 ANDRADE, B. M. M. DE. Principal forage plants for the State of São Paulo. (In Portuguese.) Gado Holandês 16(191):16-19,40. Nov.1952. 43.8 G112

31753 ARGENLIEU, G. T. D'. Quelques problèmes posés par l'augmentation des rendements de la prairie. B. des Engrais 346:190-193. Nov.1952. 57.8 B87

31754 BECKER, M. H. Management of irrigated pastures. West. Farm Econ. Assoc. Proc. 25:74-77. 1952. 280.9 W527P

31755 BEILBY, O. J. The utilisation of grassland. Scot. Dept. Agr. Scot. Agr. Econ. 3:38-39. 1952. 281.9 Sco3S

31756 BELL, R. W. Follow these steps to plan grass days for farmers. Better Farming Methods 25(2) 32,34-35. Feb.1953. 58.8 B46

31757 BOER, P. B. DE. 25 years of intensive farm feeding. IV. (In Dutch.) Friesch Landbbl. 50:6. Jan.2, 1953. 12 F91
Grasslands.

31758 BOER, P. B. DE. Twenty-five years of intensive grassland utilization. I-II. (In Dutch.) Friesch Landbbl 49:671,700,730. Nov.7,21,Dec.5,1952. 12 F91

31759 BOERGER, A. Reseña de las realizaciones en materia de herbazales cumplidas en el Uruguay. Arch. Fitotéc. del Uruguay 5:161-170. Ref. 1952. 102.5 Ur8A
English summary, p. 179.

31760 BORG, J. The pastures at Börsle. (In Swedish.) Beten-Vallar-Mossar 4:130-132. Dec.1952. 11 B46

31761 BORISOVA, A. G. Novye dlîa kul'tury vidy espartŝeta [New species of sainfoin for cultivation]. Moskva,Akademiîa Nauk SSSR,1952. 69 p. (Nauchno-Populiarnaîa Seriîa) 60.3 B645

31762 BOSTICK, V. Forest Service grazing policies encourage growth of cheatgrass on western ranges. N. Mex. Stockman 18(2):14,16. Feb.1953. 49 N462

31763 BOYLE, P. J. Fodder-beet. Commonwealth Bur. Pastures & Field Crops. Mimeog. P. 1,66 p. Apr.1952. 60.9 C73

31764 BRIGGS, G. M. Approved practices in forage and feed production. Danville,Ill.,1953. 330 p. 60 B76

31765 CAPUTA, J. Essais de semences de trèfle violet de diverses provenances en 1950-1952. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:85-87. Nov.1952. 17 J82A

31766 CARRÉ, G. Dans le Doubs, amelioration de la production de l'herbe. Potasse 26:185-187. Nov.1952 57.8 P84

31767 CHAPMAN, F. W. Birth of grasslands in the South. South. Livestock J. 12(8):16,128,130. Feb.1953. 43.8 F66A

31768 COPLAND, A. A. Comparison of the British and New Zealand approach to grassland production. Agr. Ireland 10:12-13,15-16. Jan.1953. 10.5 Ag8

31769 DAVIES, W. E. The breeding affinities of some British species of Agrostis. Brit. Agr. B. 5:313-316. Jan.1953. 10 B776

31770 DEAMBROSIS, J. R. El cultivo de las pasturas es tarea de todos. II. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(440):5. Nov.6,1952. 9.9 G15B

31771 DELPECH, R. Aspect actuel de la culture de la fèverole. Cahiers des Ingen. Agron. 7(3):13-15. 1952. 14 C112

31772 DEMING, M. H. Western grassland tour. Our Pub. Lands 3(1):7,14. Jan.1953. 156.55 Ou7

31773 DICKEY, J. B. R. The Bierbower method. Pa. Farmer 148:93,115. Jan.24,1953. 6 P383
Band seeding of alfalfa in the fall.

31774 DORAN, C. W. Careful reseeding pays. Rec. Stockman, Annu. Ed. 64:146,148,150. Jan.1,1953. 49 D43
Pastures.

31775 DOUGHERTY, J. L. African grasses on United States farms. Foreign Agr. 17:3-6. Jan.1953. 1.9 Ec7For

31776 DUMONT, R. L'intensification fourragère dans les exploitations du bassin de Paris. Cahiers des Ingen. Agron. 7(3):9-12. 1952. 14 C112

31777 ELLIS, G. F. Ranchman's guide to correct stocking. N. Mex. Stockman 18(2):62. Feb.1953. 49 N462
Range management.

31778 ELLZEY, H. D. Winter grazing in southeast Louisiana. Victory Farm Forum 46:21-22. Dec.1952. 281.8 F226
Culture of forage plants.

31779 ENGLISH, R. D. Seeing a mouse wink in the orchard. Grower [London] 39:277. Feb.7,1953. 286.83 M34
Grass growing in orchards.

31780 FABRIZIUS, P. Das taschentuch des lieben Gottes. Landwirt. Nachr. aus den Ver. Staat. 7(142):7. Dec.15,1952. 6 L232
Grasslands.

31781 FERGUS, E. N. Kentucky 31 fescue—culture and use. Ky. Agr. Col. Ext. C. 497,16 p. Sept.1952. 275.29 K415

31782 FONVILLE, W. J. Kentucky 31 fescue proves its value. J. Soil & Water Conserv. 7:177-183. Sept. 1952. 56.8 J822

31783 FREDERIKSEN, H. Types of grassland and seed mixture problems. (In Danish.) Dansk Landbr. 72: 23-25. Jan.15,1953. 280.28 V91

31784 FREDERIKSEN, H. Types of grassland and seed mixture problems. (In Danish.) Jydsk Landbr. 34: 918-922. Dec.25,1952. 11 J99

31785 GACHON, L. Observations sur l'amélioratiora-tion des prairies de fauche. France. Min. de l'Agr. B. Tech. d'Inform. 75:751-764. Dec.1952. 14 F844B

31786 GELOS, A. L. Mejoramiento de praderas naturales. Uruguay. Inst. Nac. de Colon. B. 3(32):6-12. Oct.1952. 282.29 Ur8
Uruguay.

31787 GONZÁLEZ, A. J. DE. Datos sobre algunas Graminaceas forrajeras. Cuba Ganad. 13(3):17-21. Nov.1952. 49 C89

31788 GOODHUE, J. Help for drought-damaged pastures: over-seeding with a mixture including red clover or other legumes, plus application of fertilizer, should effect renovation. Blood-Horse 65:434-435. Feb.21,1953. 42.8 T392

31789 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Fodder beet: cultivation. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 405,6 p. Nov.1952. 10 G79La

31790 GROSZMANN, A. Methods of pasture research (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(7):5-16. July 1952. 9.2 M663

31791 HASSEL, M. J. J. VAN. Culture of red clover seed. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:456-459. Dec.1952. 12 N383M

31792 HAUSSMANN, G. Protection and amelioration of mountain pastures. (In Italian.) Ricerca Sci. 22(4,sup. A):211-214. 1952. 475 It1
English summary.

31793 HENRY, T. Leguminosas promisorias para ls praderas uruguayas. Arch. Fitotéc. del Uruguay 5: 57-160. 1952. 102.5 Ur8A
English summary, p. 178-179.

31794 HOPKIN, J. A. Economics of range resource development. West. Farm Econ. Assoc. Proc. 25:20-23. 1952. 280.9 W527P

31795 HULL, J. E. My neighors call me a grass hog. West. Livestock J. 31(11):39,67,69-70,73,76-78. Feb.1953. 6 F2278
Range management in Idaho.

31796 INSKEEP, J. J. Oregon county agent tells how grass licked our problems. Better Farming Methods 25(2):36-37. Feb.1953. 58.8 B46

31797 JOHNSON, A. A., and BEARD, D. F. Certified alfalfa seed plentiful; safest buy for 1953 seedings. Crops & Soils 5(5):15,26. Feb.1953. 6 W55

31798 KHAN, M. I. Improvement and management of range (waste) lands in West Pakistan. Pakistan J. Forestry 2:251-264. Ref. Oct.1952. 99.8 P17

31799 KING, B. Grass, what for ? Better Farming Better Living, Winter 1952:10-11. 6 B464
Grassland farming in the Southwest.

31800 KLAPP, E. Stetigkeit und dauer des weidegraswuchses in der grünlandarbeit Grossbritanniens. Grünland 1:91-93. Dec.1952. 18 G922

31801 KNIGHT, W. E. Breeding Ladino clover for ersistence. Agron. J. 45:28-31. Jan.1953. 4 Am34P

31802 KOFOED, A. D. Forage crops. (In Danish.) Jydsk Landbr. 34:892-893. Dec.18,1952. 11 J99

31803 KOHNLEIN, J., and FENSE, H. Sechsjährige versuche über die erzeugung von leguminosensaatgut durch beisaat zu hafer. Z. f. Acker— u. Pflanzenbau 95:345-352. Oct.1952. 18 J825
Germany.

31804 KÖNEKAMP, A. H. Ein landwirtschaftlicher spitzenbetrieb in Dänemark. Forschanst. f. Landwirt. Schrreihe 5:47-66. 1952. 105.8 B832
Pastures.

31805 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(50):7. (Cont.) Dec.12, 1952. 18 B324

31806 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 5(51):13;(52):21;6(1):15. (Cont.) Dec.19,1952-Jan.9,1953. 18 B324
Germany.

31807 KUMMER, H., and ANHAEUSSER, H. Die botanische zusammensetzung des nordbadischen wiesenheus im 1. schnitt der ernte 1951 und ihr einfluss auf die heuqualität. Z. f. Acker— u. Pflanzenbau 95:331-344. Ref. Oct.1952. 18 J825

31808 LAESTADIUS, R. Drying hay on the ground. (In Swedish.) Lantmannen 37:35-37. Jan.10,1953. 11 L234

31809 LEE, L. F. A freer range., (Extr.) Amer. Cattle Prod. 34(9):19-22. Feb.1953. 49 P94

31810 LO, I. The straw harvesting problem. (In Norwegian.) Norsk Landbr. 19:17-18. Jan.9,1953. 11 N8122

31811 LÖFVENMARK, H. Medstugan mountain farm. (In Swedish.) Beten-Vallar-Mossar 4:134-137. Dec.1952. 11 B46
Chiefly on pasture management.

31812 MCCULLOCH, R. Irish grasslands. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:52-53. 1951/52. 10.5 An7

31813 MADDEN, E. A. Establishment of clovers on unploughable hill-country. Massey Agr. Col. Sheepfarming Annu. 15:37-48. Nov.1952. 45.9 M38S
Includes discussion.

31814 MINOR, W. A. U.S. farmers improve grasslands. Rur. Life, Oct.1952:7. 281.28 R884

31815 MIR, R. M. La esparceta y la zulla, leguminosas mejorantes. Cult. Mod. 35:370-371. Oct.1952. 15 C89

31816 MOSER, L., and FELICIANI, A. The necessity to continue with experimentation on mountain pastures as begun in 1950 in the Alps of Lombardy. (In Italian.) Ricerca Sci. 22(4,sup.A):223-226. 1952. 475 It1
English summary.

31817 NIEHAUS, H., and STUTE, K. Topinamburkraut; versuche zur ermittlung der günstigsten erntezeit. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(24):1-3. (Cont.) Dec.20,1952. 40.28 D48

31818 NIEHAUS, H., and STUTE, K. Topinamburkraut; versuche zur ermittlung der günstigsten erntezeit. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(1):2-3. (Concl.) Jan.5,1953. 40.28 D48

31819 NIEHAUS. Anbau und verwertung von topinambur als kleintierfutter. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(2):1-2. Jan.20,1953. 40.28 D48

31820 NIGGL, L. Die wiese—eine schatzkammer der landwirtschaft. Landwirt. Wchnbl. 143:154,159. Feb.7,1953. 18 L2338
Germany.

31821 NIKLAS, H. Anbauversuche mit süssklee. Deut. Landwirt.-Gesell. Mitt. 68:19. Jan.1,1953. 18 N39
Poland.

31822 NOBILI, D. Mountain pastures in Valtellina. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(9):13-15. Sept.1952. 287 So5

31823 OLIVE, F. R., and FLORES A., M. A. Zacates para El Salvador. Rev. Ganad. [San Salvador] 11(149):9-13. Nov./Dec.1952. 8 R3292

31824 PACKARD, R. L., and CAPAROON, C. D. Pastures on Wisconsin farms. Wis. Dept. Agr. Spec. B. 27,10 p. Nov.1952. 2 W752S

31825 PAULICK, S. Feldfutterbau und weidenutzung unter dem gesichtspunkt der gärfutter- und trockengutgewinnung. Deut. Landwirt.-Gesell. Mitt. 68:6-8. Jan.1, 1953. 18 N39

31826 PEEPLES, R. Don't make rain—save it. Tex. A. & M. Agr. 11:7,15-17. Nov.1952. 276.8 T31
Culture of grasses.

31827 PENTON, A. Putting "devil-grass" [Cynodon dactylon] to work. Org. Farmer 4(6):12-13,43-44,46. Jan.1953. 57.8 Or3

31828 PEQUIGNOT, R. La culture de la féverole; faut-il la développer? Agriculture [Paris] 16:265-269. Nov.1952. 14 Ag823
For feed.

31829 PEREZ CALVET, R., and MADUENO BOX, M. Orientaciones sobre la mejora de praderas de secano. Agricultura [Madrid] 21:606-611. Nov.1952. 15 Ag84

31830 PINGREY, H. B. Ranch and range research in New Mexico. West. Farm Econ. Assoc. Proc. 25:78-81. 1952. 280.9 W527P

31831 POLLARD, H. A. Bankers bet on range management. Wash. Farmer 78:80,87. Feb.5,1953. 6 R151

31832 PROFFIT, M. Conclusion du Congrès des Agros Praticiens sur la production fourragère. Cahiers des Ingen. Agron. 7(3):27-31. 1952. 14 C112

31833 RIEDMAN, S. R. Grass, our greatest crop. New York,Nelson,1952. 128 p. 60.1 R44

31834 RIVERA, V. The importance of maintaining winter pastures in temperate mountain areas. (In Italian.) Ricerca Sci. 22(4,sup.A):287-289. 1952. 475 It1
English summary.
Italy.

31835 ROBINSON, G. S. Phalaris tuberosa as a pasture grass in dry districts. Massey Agr. Col. Sheepfarming Annu. 15:150-153. Nov.1952. 45.9 M38S

31836 RONNINGEN, T. S. A new alfalfa variety for Maryland. Md. Farmer 37:3. Jan.1953. 6 M362

31837 RYCKE, E. DE. Trèfle luzerne (Medicago sativa). Cour. Hort. 14:677-678. Dec.1952. 80 C834

31838 SACHS, E. Die leistung extremer gräsersorten im reinbestand. Grünland 1:93-94. Dec.1952. 18 G922

31839 SACHS, E. Umbruch oder umbruchlose verbesserung unserer schlechten wiesen? (Extr.) Landwirt. Wchnbl. 143:5,7,9-10. Jan.3,1953. 18 L2338

31840 SALTER, R. M. Good grass is trademark of better farmers. Farmer-Stockman 56(2):12,73-77. Feb. 1953. 6 Ok45

31841 SALTONSTALL, L. Hay and pasture seedings for '53. N. Y. Agr. Col. Cornell Ext. B. 781,rev.,6 p.-folder. Jan.1953. 275.29 N48E

31842 SALVADORI. Qualitätsfutter oder ballast von der wiese? Grünland 2:7-8. Jan.1953. 18 G922
Management and nutritive value.

31843 SANCHEZ, T. R. Mejoramiento y conservación de pastos. Rev. Ganad. [San Salvador] 11(149):32-35. Nov./Dec.1952. 8 R3292

31844 SAVIDGE, C. Special grasses needed for orchards. Grower [London] 39:141. Jan.17,1953. 286.83 M34

31845 SCHUMACHER, C. M. Hay, pasture and erosion control are found in this one. III. Switchgrass (Panicum virgatum). Nebr. Cattleman 9(5):63-64. Jan. 1953. 43.8 N27

31846 SCHUMACHER, C. M. Summer grazing and upland hay value is this "increaser" grass. IV. Prairie sandreed (Calamovilfa longifolia). Nebr. Cattleman 9(6): 64. Feb.1953. 43.8 N27

31847 SCHÜTZHOLD, G. Leistungsvermögen der dauerweiden und kleegrasweiden. Forschanst. f. Landwirt,Schrreihe 5:22-46. 1952. 105.8 B832

31848 SCOTLAND. DEPT. OF AGRICULTURE. Grass production. Scot. Dept. Agr. Adv. L. (n.s.)23, 15 p. 1952. 10 Sco82L

31849 SEARS, P. D. Management of H1 pastures. Massey Agr. Col. Sheepfarming Annu. 15:137,139-143, 145,147,149. Nov.1952. 45.9 M38S
In sheep feeding.
Includes discussion.

31850 SIMPSON, G. S. The choice of a seed mixture for pastures. Farming So. Africa 27:480. Oct.1952. 24 So842

31851 SMALLFIELD, P. W. Developing marginal lands. Massey Agr. Col. Sheepfarming Annu. 15:25-35. Nov.1952. 45.9 M38S
Pasture management in a New Zealand county.
Includes discussion.

31852 SNOOK, L. C. Tree lucerne a fodder crop which has been overlooked. Austral. Dairy Rev. 20(12):12, 16-17. Dec.1,1952. 44.8 Au73

31853 SNOOK, L. C. Tree lucerne [Cytisus proliferus] a fodder crop which has been overlooked. West. Austral. Dept. Agr. J. (ser.3)1:587-589,591-593. Sept./Oct.1952. 23 W52J

31854 SONNEVELD, A., and EVERS, A. Late summer seeding of English ryegrass for seed culture. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden en Aardappelpootgoed. Meded. 9:34-35. Aug.1952. 61.9 N28

31855 SPRINGFIELD, H. W., and HOUSLEY, R. M. Chamiza for reseeding New Mexico rangelands. U. S. Forest Serv. Sowest. Forest & Range Expt. Sta. Res. Notes 122,3 p. Oct.1952. 1.9 F7621R
Fourwing saltbush.

31856 STEBBINS, G. L. Drought resistant forage plants. (In Portuguese.) Fazenda 48:34. Jan.1953. 6 H11P
Breeding.

31857 STOUTEMYER, V. T. Evaluations of fescues and bluegrasses. South. Calif. Turf Cult. 3:3. Jan.1953. 60.18 So8

31858 STRACHAN, T. W. County agent tells how to build a grass display. Better Farming Methods 25(2): 44,46. Feb.1953. 58.8 B46

31859 STRANDE, K. Experiments with different number of cuttings of pastures. (In Norwegian.) Forsk. og Forsøk i Landbr. 3:145-169. Ref. 1952. 11 F772
English summary.

31860 SUNDBERG, R. L. El hombre debe intervenir para dotar a las haciendas de la alimentación abundante y equilibrada que requieren. Uruguay. Inst. Nac. de Colon. B. 3(34):15-16. Dec.1952. 282.29 Ur8
Pasture management.

31861 SVENDSEN, C. Start planning now for better pastures in 1953; every horseman should know something about feeds and feeding, better pasture management. Horse Lover's Mag. 17(4):38-39,64. Dec.1952/Jan.1953. 42.8 H7852

31862 TEIXEIRA, C. The Zebu of legumes. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(7):60-62. July 1952. 9.2 M663
Cajanus indicus.

31863 THOMAS, H. L., and others. Clovers for Minnesota. Minn. Agr. Expt. Sta. B. 415,27 p. June 1952. 100 M66
E. R. Duncan, M. F. Kernkamp, A. G. Peterson, and A. R. Schmid, joint authors.

31864 THOMPSON, W. R. Pasture planning time is now. Prog. Farmer, Miss.-Ark.-La. Ed. 68(2):20,26. Feb.1953. 6 So81

31865 TOLNER, J. The failure of yellow lupine on reclaimed heath. (In Dutch.) Nieuwe Veldbode 19:267-270. Dec.24/31,1952. 12 V542N
Netherlands.

31866 TRYON, E. H. Pasture cover for spoil banks. W. Va. Agr. Expt. Sta. B. 357(2):5,16. Dec.1952. 100 W52
Desirable forage plants.

31867 TURK, K. L. Seedings for hay, silage, and pasture. Dairymen's League News 37(4):6,17. Feb.17, 1953. 44.8 D1432

31868 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Progress in making available seed of improved varieties of grasses and legumes, by C. S. Garrison. Beltsville,1952? 13 p. 1.965 A2P945

31869 U. S. DEPT. OF AGRICULTURE. Production goals program; suggestions to States and counties for use in work on grassland goals. Washington? 1952. 21 p. 1.90 A2P9443

31870 U. S. FOREST SERV. List of publications, articles, processed and other releases issued by Range Research during the 10-year period, 1942-51. Washington,1952. 58 p. 1.962 A2L692

31871 UPCHURCH, M. L. Economics of range resources development. West. Farm Econ. Assoc. Proc. 25:13-15. 1952. 280.9 W527P

31872 VASIL'CHENKO, I. T. Novye dlîa kul'tury vidy pazhitnika [New species of Trigonella for cultivation]. Moskva,Akademiîa Nauk SSSR,1952. 53 p. (Nauchno-Populîarnaîa Seriîa) 60.3 V44N

31873 VILLEGAS, V. Pasture improvement [in the Philippines]. Agr. & Indus. Life 14(12):6,55. Dec.1952. 25 Ag8

31874 VISANI, G. Mountain pastures and medicinal plants in agricultural reclamation of the mountains. (In Italian.) Ricerca Sci. 22(4,sup.A):215-218. 1952. 475 It1
English summary.
Italy.

31875 WELLINGER, J. Un remede energique contre l'erosion. La luzerne arborescente. Soc. Forest. de Franche-Comté et des Prov. de l'Est. B. Trimes. 26:446-448. Dec.1952. 99.9 So14

31876 WILLIAMS, M. Now—let's have a look at your permanent pastures. Dairy Farmer [Ipswich] 25(6):18-19. June, 1952. 44.8 D1414

31877 WYBO, B. De l'importance des semences pour l'amélioration de la production fourragère. Cahiers des Ingen. Agron. 7(3):32-33. 1952. 14 C112

Oil Crops

31878 CALLAND, J. W. Variety research returns 2600%! Soybean Digest 13(3):14-15. Jan.1953. 60.38 So9

31879 GIGLIOLI, L. The soybean in the second experimental year in Leghorn. (In Italian.) Agr. Tosc. 7: 386. Nov.1952. 16 Ag827

31880 VARDJAN, F. Subterranean nut—the peanut. (In Serbo-Croatian.) Sadjarstvo,Vinarstvo,Vrtnarstvo 4:177-179. July/Aug.1952. 21.5 Sa1

Sugar Crops

31881 ALMEIDA, J. R. DE. Deteriorated sugarcane. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:361-363. Nov./Dec.1952. 9.2 R324
Analysis of different varieties after 18 to 24 months.

31882 BAUDRIN, C. Essais culturaux de betteraves. Rev. Agr. de l'Afrique du Nord 50:849-850. Nov.28,1952. 80 R326

31883 BEHRENS, O. Zuckerrohr in Hawaii. Gesunde Pflanzen 5:9-10. Jan.1953. 464.8 G33

31884 BRACKE, O. Erfahrungen bei der zuckerrübenernte. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:123. Jan.22,1953. 18 L2346

31885 BRITISH WEST INDIES SUGAR ASSOCIATION. Report of research work on sugar-cane agriculture in the British West Indies, 1950-51, by P. E. Turner. Port-of-Spain,1952. 62 p. Ref. 65.9 B774
Includes Sugar cane breeding and variety testing, 1951, by G. C. Stevenson, p. 59-62.

31886 BRUNELLI, P. Sugar beet experiments and season for 1952. (In Italian.) Avvenire Agr. 60:293-302. Dec.1952. 16 Av9

31887 CALMA, V. C., and ANDAY, R. R. The first ratoon, first-generation plant canes, and parents of (POJ 2878 X P.S.A. 14)F_1 seedlings. Sugar News [Manila] 28:571-576. Dec.1952. 65.8 Su36

31888 COMMISSIE TER BEVORDERING DER SUIKERBIETENTEELT IN DE NOORDELIJKE PROVINCIEN. Rapport [Report of the Commission for the Promotion of Sugar Beet Culture in the Northern Provinces] 1951. Inst. v. Ration. Suikerprod. Meded. 3,249 p. Oct. 1952. 66.9 B45

31889 DEWALD, L. W. Beets best to withstand hail. Sugar Beet 11(8):18-20. Dec.1952. 66.8 Su34B

31890 HENDERSON, L. H. Machine thinning proves out at Bayard. Through Leaves 40(6):20-26. Dec.1952. 66.8 T41
Sugar beets.

31891 JOHNSON, I. L., HETTINGER, R., and JACOB, R. Chinook growers like "Windsor" system. Through Leaves 40(6):9-14. Dec.1952. 66.8 T41
Sugar beet culture.

31892 KIDMAN, D. It's tops for feeding. U and I Cult. 12(2):25-27,41. Sept.1952. 66.8 U12
Harvesting of sugar beets.

31893 KÖNEKAMP, A., and BLATTMANN, W. Der einfluss des köpfungsgrades auf die höhe der lagerungsverluste bei futter- und zuckerrüben. Forschanst. f. Landwirt.Schrreihe 5:67-76. 1952. 105.8 B832

31894 LOUMAYE, E. Structure du lit de germination et levée des semis de betterave; observations faites au printemps 1952. Inst. Belge pour l'Amélior. de la Betterave.P. 20:69-78. Apr./June 1952. 66.9 In7
English summmary.

31895 MANGELSDORF, A. J. Breeding in relation to varietal yield decline. Hawaii. Sugar Technol. Rpt. 1952:20-24. 65.9 H317

31896 MINISCALCO, V. The magisterial beet culture conference at Rovigo. (In Italian.) Cam. di Com. Indus. e Agr. di Udine. B. Uffic. (n.s.)6(11):29-31. Nov.1952. 287 Ud5

31897 OWEN, F. V. Possibilities with hybrid sugar beets. Sugar Beet 11(8):26-30. Dec.1952. 66.8 Su34B

31898 RAHEJA, P. C. Hints to the farmer: sugarcane. Indian Farming (n.s.)2(9):8-10,22-23,30. Dec.1952. 22 In283

31899 ROSENSTAND, T. Experiences in using segmented seed. (In Danish.) Tolvmandsbladet 24:292,297. Nov.1952. 11 T58

31900 ROSENSTAND, T. Experiences with the use of segmented seed in 1952. (In Danish.) Dansk. Landbr. 71: 500-501. Oct.16,1952. 280.28 V91

31901 SEDLMAIR, K. Latest results of Hungarian plant breeding. I. Beet (Beta vulgaris L.). (In Russian.) Acta Agron. [Budapest] 2:107-123. 1952. 19 Ac8
English summary.
Mitchurin method.

31902 SEDLMAIR, K. Preliminary report on vegetative beet hybrids. (In Russian.) Acta Agron. [Budapest] 2:99-106. 1952. 19 Ac8
English summary.

31903 SIMON, M. Les avantages et les modalités du semis précoce chez la betterave sucrière. Inst. Belge pour l'Amélior. de la Betterave. P. 20:91-100. Apr./June 1952. 66.9 In7

31904 STRONG, D. Sugar beets grown on new ground. Sugar Beet 11(8):14-16. Dec.1952. 66.8 Su34B

31905 SOUTH PORTO RICO SUGAR CO. Fifty-second annual report, 1952. New York,1952. 7 p. 65.9 So84

31906 TICO, L. Mejore la caña de azucar en peso y calidad. Siembra [Madrid] 8(11):32-33. Nov.1952. 15 Si1
Culture.

31907 YANG, T. C., and CHU, T. L. A study on the field experimental technic with sugar cane. II. Block layout. (In Chinese) Taiwan. Sugar Expt. Sta. Rpt. 8:1-14. Ref. June 1952. 65.9 F76R
English summary.

Tobacco

31908 AMY, A. S. Well-rounded research programs better conditions for the Puerto Rican grower. Tobacco [New York] 135(26):10,36. Dec.25,1952. 286.89 T552

31909 BOLSUNOV, I. Experiments conducted with world's most precocious tobacco variety. Tobacco [New York] 135(26):28. Dec.25,1952. 286.89 T552

31910 BOLSUNOV, I. Versuchsanbau und züchtung nikotinreicher tabake in Österreich und deren aussichten auf nikotingewinnung. Austria. Gendir. der Tabakregie. Fachl. Mitt. 3:7-11. Ref. Oct.1952. 286.89 Au7F

31911 CURCIO, M. The factors of tobacco production. (In Italian.) Tabacco 56:246-260. Aug.1952. 69.8 T115
Culture.

31912 ENGELHARDT, O. Wo fehlt es noch im zigarrentabakbau? Landwirt 1953:78-80. 18 L2342

31913 FERRER, L. G. A review of experiments and investigational work on tobacco of the aromatic cigarette type in the Philippines (1921-1941). Philippine J. Agr. 16: 85-96. Ref. 1951,pub.1952. 25 P543

31914 JEWISH AGENCY FOR PALESTINE. ECONOMIC DEPT. Tobacco cultivation and industry in Israel. Israel Export J. 4(11):3,6. Nov.1952. 286.8 Is7

31915 KADAM, B. S., KHEMCHANDANI, H. T., and KRISHNAN, A. S. Effect of topping and spacing on the yield of chewing tobacco. Indian Tobacco 2:123-131. Ref. July/Sept.1952. 69.8 In2

31916 KADAM, B. S., and KRISHNAMURTY, T. Giant plants in Chatham. Indian Tobacco 2:118-120. July/Sept.1952. 69.8 In2

31917 LEMOIGNE, M. La culture du tabac au Cameroun et en Afrique Equatoriale Française. Rev. Internatl. des Prod. Colon. 27:203-205. Nov.1952. 286.8 R326

31918 OTRYGAN'EV, A. V. Sudan grass as a forerunner of tobacco. (In Russian.) Tabak 13(5):42-43. Ref. Sept./Oct.1952. 69.8 T112

31919 TOMAROVSKII, P. F. Increasing the country's tobacco yield. (In Russian.) Tabak 13(5):36-39. Sept./Oct.1952. 69.8 T112

31920 VAN DYNE, G. W. Le tabac en Indonèsie. Rev. des Tabacs 27:32-34. (Cont.) Winter 1952. 69.8 R325

31921 WÖBER, O. Wege und ziele der tabakforschung. Austria. Gendir. der Tabakregie. Fachl. Mitt. 3:12-17. (Cont.) Oct.1952. 286.89 Au7F

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

31922 ABBOTT, I. W. Gardening in Alaska. Alaska. U. Agr. Ext. B. 451,rev.,17 p. Apr.1952. 275.29 AL13Eb

31923 BREVIGLIERI, N. The work of the International Horticultural Congress. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:207-234. Sept./Oct.1952. 86 R22

31924 COOK, H. S. Science seeks smog resistant plant types. West. Grower & Shipper 24(3):37-38. Feb. 1953. 280.38 W52
Plant varieties for California.

31925 COULTER, F. C. International Congress proposes new code for naming plants. Horticulture 31:53. Feb.1953. 80 H787

31926 DELIZO, T. Plant propagation by cutting. Forestry Leaves 5(4):18-19. Oct.1952. 99.8 P532

31927 DOOLITTLE, R., and TIEDEBOHL, H. Southwest gardening. Albuquerque,1953. 204 p. 97.4 D72

31928 ENDE, J. VAN DEN. The effect of saline water for watering on the behaviour of crops under glass. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15: 884-903. Nov.1952. 86 N384
English summary.

31929 FAIRCHILD TROPICAL GARDEN. Fifteenth annual report, beginning November 1, 1951 for the year ending October 31, 1952. Coconut Grove,1952. unpaged. 451 F16R

31930 FEDELE, F. Anti-frost overhead irrigation for production of horticultural crops. (In Italian.) Terra e Sole 124:415-417. Dec.1952. 16 T273

31931 KARNATZ, H. Das markenetikett in der Schweiz nunmehr auf gesetzlicher grundlage. Obstbauversring. Mitt. 7:221. Nov.1952. 85 J76

31932 LAVEZZINI, A. Arboriculture: 1951-52 season. (In Italian.) Avvenire Agr. 60:303-304. Dec.1952. 16 Av9

31933 MISSOURI. OFF. OF STATE ENTOMOLOGIST. Certified Missouri nurseries, nursery dealers, greenhouses, strawberry growers, bramble growers, Gladiolus growers, Narcissus growers and sweet potato seed growers 1952-1953. Jefferson City,1953. 27 p. 225 M694

31934 MORETTINI, A. Scientific and educational organization of horticulture in Holland. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:195-206. Sept./Oct. 1952. 86 R22

31935 MUELIO, C. A. Algunas consideraciones prácticas sobre horticultura. Pampa Argentina 25(259, i.e.299):20-21. Nov.1952. 9 P19

31936 MULLER, C. J. Production of quality seeds. Nurseryman & Seedsman 115:1538-1539. Dec.25,1952. 80 N933

31937 NILSSON, F. The garden conference in London. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 5:125-127. 1952. 86 Sv2F

31938 NURSERY & MARKET GARDEN INDUSTRIES' DEVELOPMENT SOCIETY. EXPERIMENTAL AND RESEARCH STATION. Annual report (thirty-seventh year) 1951. Herts,1952. 96 p. 103 N93

31939 POEL, J. M. G. VAN DER, The study of horticultural history in the Netherlands. (In Dutch). Netherlands. Dir. van de Tuinbouw Meded. 15:945-952. Dec. 1952. 86 N384

31940 PRAILL, F. E. M. Something young for the coronation. Grower [London] 39:174-175. Jan.24,1953. 286.83 M34
Horticulture in Great Britain.

31941 ROGGEVEEN, J. The aspects of horticultural education in 1951. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:862-866. Nov.1952. 86 N384
English summary.

31942 SHEARD, G. F. Glasshouse methods: how Lancashire compares with the Lea Valley. Grower [London] 39:130-131,133. Jan.17,1953. 286.83 M34

31943 SHERRARD, G. O. Horticulture in Ireland. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1: 39,41,43,45-51. 1951/52. 10.5 An7

31944 SIEBENGA, J. Is the remuneration for plant breeder's right insufficient? (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden en Aardappelpootgoed. Meded. 9:16-20. June 1952. 61.9 N28

31945 SIGURÐSSON, I. Horticulture. (In Icelandic.) Garðyrkjufélag Íslands. Ársrit 1952:64-66. 86 Is4

31946 SKULJ, A. The gardens have bloomed. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 4: 180-181. July/Aug.1952. 21.5 Sa1

31947 SPRING 1953 Home Garden guide. New York, Amer. Gard. Guild,1953. 104 p. 81 Am314

31948 STEARN, W. T. Nomenclature at the International Horticultural Congress. Gard. Chron. 133:25-26. (Concl.) Jan.17,1953. 80 G162

31949 SWEET, D. V. Use of polyethylene film in the propagation and culture of certain horticultural plants. Mich. Agr. Expt. Sta. Q. B. 35:265-268. Nov.1952. 100 M58S

31950 VEENDORP, H. Some historical facts on horticultural education. (In Dutch). Netherlands. Dir. van de Tuinbouw Meded. 15:927-937. Dec.1952. 86 N384

31951 WELLS, J. S. Grafting for the small grower. Nurseryman & Seedsman 115:1484-1485. Dec.18,1952. 80 N933
Trees and shrubs.

31952 WELLS, J. S. Variations in propagation procedure. Amer. Nurseryman 97(3):13,51-53. Feb.1,1953. 80 Am371

Fruits--General

31953 ADRIANCE, G. W. Nogal, aguacate, olivo y vid; conferencia acerca de su cultivo, propagación, plagas y enfermedades. Monterrey, Patronato Universitario de Nuevo León,1952. 20 p. 93.5 Ad8

31954 BAKKER, H. C. Observations on pruning. (In Dutch.) Fruitteelt 42:911-912. Dec.11,1952. 86 N28
Of fruit.

31955 BAKKER, P. H., and others. Thoughts on pruning. (In Dutch.) Fruitteelt 42:794-797,814-816,832-833. Oct.30-Nov.13,1952. 86 N28
W. J. Ewalts, K. G. Houter, J. Smits, P. A. Bosschaert, J. C. v. d. Berge, and J. Vos, joint authors.

31956 BALLERSTAEDT G., A. Formación técnica de un huerto frutal. Bolivia. Serv. Agr. Interamer. Div. de Ext. Agr. C. de Ext. 3,5 p. 1952. 275.249 B63

31957 BELLINGHAUSEN, W., and STEFFAN, P. Das obstbaumschulwesen in Österreich. Deut. Baumsch. 4:331-332. Dec.1952. 80 D486

31958 BODO, F. Beispiels-obstanlagen. Landwirtschaft 23/24:364-367. Dec.1952. 19 L235
Austria.

31959 BODO, F. Was können wir vom obstbau unserer nachbarländer lernen? Landwirtschaft 1/2:21-24. Jan.1953. 19 L235
Austria.

31960 BOULAY, H. Sur quelques idées concernant l'expérimentation fruitière. Rev. Hort. 124:786-787. Oct./Nov.1952. 80 R32

31961 BRUINS, A. B. Fruit culture in Australia. (In Dutch.) Fruitteelt 42:950-953. Christmas 1952. 86 N28

31962 BUSH, R. Harwell produces fruit as well as atom bombs. Grower [London] 39:128-129. Jan.17,1953. 286.83 M34

31963 CALABUIG Y CALABUIG, J. Exaltación de la fruta. V. Ceres [Valladolid] 18(199):37. Jan.1,1953. 15 C33

31964 CASTETS, G. La plantation des arbres fruitiers. Soc. d'Hort. et d'Acclim. du Maroc. B. 37: 74-79. Third Q.1952. 87 So1

31965 CHEVALIER, A. Points de vue nouveaux sur l'amélioration de la fruticulture en France aux XVIe et XVIIe siécles et á l'époque actuelle. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:460-474. Sept./Oct.1952. 26 R323

31966 CIFERRI, R. Up-to-date information on treatment of fruit trees for preharvest drop. (In Italian.) Humus 8(11):3-5. Nov.1952. 16 H88

31967 COUTANCEAU. Mission d'étude de la production fruitière dans l'Est des Etats-Unis. Rev. Hort. 124:781-785. (Concl.) Oct./Nov.1952. 80 R32

31968 DEKKER, P. Solanum maricatum and passionfruit. (In Flemish.) Cult. en Handel 19:36-37. Jan.1953. 80 C892

31969 ELLENBERG, H. Standortsgemässe planung im obstbau. Obstbau 72:13-15. Jan.1,1953. 80 Ob73

31970 HENNIK, J. J. VAN., and HEIDE, R. VAN DER. Fruit growing in the Ijssel area, especially in the district of Wijhe. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:867-878. Nov.1952. 86 N384
English summary.

31971 HERSHKOVITZ, E. New irrigated and non-irrigated orchard plantings. (In Hebrew.) Hassadeh 33: 93-94. Nov.1952. 26 H27

31972 JØRGENSEN, S. J. Report on the advisory services, 1951-1952. (In Danish.) Erhvervsfrugtavleren 19:80-87. Jan.1,1953. 80 Er3
In fruit culture.

31973 JUSCAFRESA, B. Prácticas de injertar frutales. Cult. Mod. 35:450-452. Dec.1952. 15 C89

31974 KARNATZ, H. Bericht über eine reise nach Frankreich zur klärung von unterlagenfragen. Obstbauversring. Mitt. 7:215-221. Nov.1952. 85 J76

31975 KOBEL, F. Betriebsformen im obstbau. Schweiz. Z. f. Obst- u. Weinbau 62:21-25. Jan.24,1953. 80 Sch9

31976 KRICK, I. P. Where to expect spring frosts. Amer. Fruit Grower 73(2):18-19. Feb.1953. 80 G85

31977 RIVALS, P. Étude:notes sur les diverses espèces à fruits comestibles existant à l'Ile de la Réunion. Rev. Agr. de l'Ile de la Réunion (n.s.)51:261-266. (Cont.) Nov./Dec.1951. 25 R32

31978 LANGE, H. J. Uber den obstbau in Südtirol. Obstbauberatungsring. Mittbl. 7(6):5-7. Dec.1,1952. 85 Ob72

31979 LE ROUX, M. S. The overhead trellis. Farming So. Africa 27:461-464. Oct.1952. 24 So842
Construction of grape vine trellises.

31980 LIEBSTER. Bericht über eine studienfahrt nach Belgien. Obstbauberatungsring. Mittbl. 7(6):2-4. Dec.1,1952. 85 Ob72

31981 LOUVAIN, P. Quel système de taille choisir? Réveil Agr. 62(2642):6. Jan.1,1953. 14 R322
Fruit trees.

31982 MAURER, K. J. Betrachtungen zu krisen im obstbau. Obstbau 71:180-181. Dec.1,1952. 80 Ob73

31983 MAURER, K. J. Genügt die verkürzung des stammes als frostschutz? Obst u. Gart. 7:148-149. Oct.1952. 80 Ob75

31984 MAURER, K. J. Raumbedarfbestimmende faktoren bei obstgehölzen. Obst u. Gart. 7:163-164. Nov.1952. 80 Ob75

31985 PALMER, C. B. The pollination of fruit tree blossoms. Westralian Farmers' Co-op Gaz. 23:121, 123-124. Sept.1952. 280.28 W522

31986 PEICHL, L. Ertrag und witterung beim kernobst. (Abs.) Nachr. f. Beratung u. Ausbild. in der Landwirt. 5:168. Dec.1952. 18 N11

31987 PICAZA, J. DE. El huerto frutal familiar. Spain. Min. de Agr. Serv. de Capacitación y Propag. Cart. Rur. 7,86 p. 1952. 15 Sp14C

31988 PICAZA, J. DE. Poda de frutales. Ed. 3. Spain. Min. de Agr. Serv. de Capacitación y Propag. Cart. Rur. 6,195 p. 1952. 15 Sp14C

31989 RASP, A. E. En fruticultura, el raleo de los frutos es operación beneficiosa. Mundo Agr. 4(43):76. Dec.1952. 9 M92

31990 REBOUR, H. Quelles espèces fruitières faut-il choisir en Algérie pour de nouvelles plantations. Elevage et Cult. 4(48):15-16. Dec.1952. 24 EL2

31991 RIERA, F. J. La poda en verde de los frutales. Agr. Costarricense 10:261-263. Nov.1952. 8 Ag895

31992 ROGENT, I. Plantación de frutales. Cult. Mod. 35:461-462. Dec.1952. 15 C89

31993 RUFFALDI, G. B. Biennial bearing of fruit trees. (In Italian.) Humus 8(11):13-15. Nov.1952. 16 H88

31994 SAUBLENS, L. De la plantation des arbres fruitiers. Cour. Hort. 14:612-613. (Cont.) Nov.1952. 80 C834

31995 SEITZER. Rationelle standortspflege im obstbau. Obstbau 71:177-180. Dec.1,1952. 80 Ob73

31996 SEITZER. Der Württembergische Landesobstbautag 1952 in Tübingen. Obstbau 71:161-165. Nov.1, 1952. 80 Ob73

31997 SUNDARARAJ, J. S. Survey of fruit growing in Madras State. Madras Agr. J. 39:593-599. Dec.1952. 22 M262

31998 TUNEU, R. Variedades de frutales que deben cultivarse en el Uruguay. Selec. Rur. 7(31):57-62. Oct./Dec.1952. 9.9 Se4

31999 WELKER, H. Geschichte und entwicklung des badischen obstbaues. Bad. Landwirt. Wchnbl. 120:20-21. Jan.3,1953. 18 B142

32000 WENCK, F. In welchem stadium sollen gerüstbildner umgepfropft werden? Obstbau 71:181-182. Dec.1,1952. 80 Ob73

32001 WINKELMANN-WENCK. Unsere obstsorten. Deut. Baumsch. 4:312-314. Nov.1952. 80 D486

Fruits--Citrus and Subtropical

32002 ALEXANDER, D. B. W. A method of pollinating dates. Date Growers' Inst. Rpt. 29:20. 1952. 81 D26
Equipment.

32003 ARROYO, J. E., and SPERONI, H. A. Nueva variedad de naranja dulce tardia. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):19. Oct.1952. 9 Id3

32004 BANFI, A., and CARBONELL, H. C. Almácigos de citrus. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):19. Oct.1952. 9 Id3

32005 BANFI, A., and BENATENA, H. N. Influencia del portainjerto en algunas determinaciones fisicoquímicas de importancia. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):19-20. Oct.1952. 9 Id3
Citrus.

32006 BARBOSA, J. DE C. O abacate [The avocado]. Vamos para o Campo 67,24 p. 1952. 9.2 V25
Culture.

32007 BAUDRILLART, P. La cueillette des olives. Rev. Agr. de l'Afrique du Nord 50:744-745. Oct.31,1952. 80 R326

32008 BENCE PIERES, R. Comportamiento de las variedades de olivo. Chacra 23(266):32-33. Jan.1953. 9 C34

32009 BERRILL, F. W. The root system in the pineapple plant. Queensland Fruit & Veg. News 2(50):27-28. Oct.24,1952. 280.38 Q3

32010 BUDIHAL, A. B. The best coconut seedlings. Indian Cent. Coconut Com. B. 6:42-45. Oct.1952. 77.9 In292

32011 CALAVO GROWERS OF CALIFORNIA. 29th annual report. Los Angeles,1952. 20 p. 81 C1282

32012 CAMERON, J. W., and SOOST, R. K. The Kara mandarin for the late spring market. Calif. Citrog. 38: 120,134-135. Feb.1953. 80 C125

32013 CAMERON, J. W., and SOOST, R. K. Nucellar lines of citrus; tree size, yield, and fruit characters of old and young lines of ten citrus varieties compared. Calif. Agr. [Calif. Sta.] 7:8,15-16. Jan.1953. 100 C12Cag

32014 CAMPO, E. DEL. El estado de los olivares en España. B. de Oleicult. Internac. 2(10):55-58. Sept./Oct.1952. 307.8 B63
Culture.

32015 CHAPOT, H. Deux nouvelles mandarines. Fruits 7:537-538. Dec.1952. 80 F949?
Hybrids.

32016 CHAVANIER. Les fruits exotiques dans le jardin familial. Soc. d'Hort. et d'Acclim. du Maroc. B. 37:68-72. (Cont.) Third Q.1952. 87 So1

32017 CORTES, I. A. La recolección de las aceitunas. Cult. Mod. 35:453-454. Dec.1952. 15 C89

32018 COUPIN, A. À propos de la mise à fruit du Clementinier. Feuille d'Inform. Vitic. et Arbor. de Tunisie 30:12-16. Nov.1952. 80 F433

32019 CRUZ, S. R. Large-scale mango smudging and spraying. Philippine Agr. Engin. J. 3(2):24-30. Second Q.1952. 58.8 Ag88

32020 DATE GROWERS' INSTITUTE. Report of twenty-ninth annual institute, April 26, 1952. Thermal, Calif.,1952. 23 p. 81 D26

32021 DOMATO, J. Posibilidades de la siembra anticipada en los almácigos de citrus como medio de acelerar la producción de portainjertos. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):26-27. Oct.1952. 9 Id3

32022 ESDORN, I. Acht monate im jahr Marokko-apfelsinen. Umschau 52:582-583. Oct.1,1952. 474 Um7

32023 FEDELE, A. Prospects and aspects of fig culture in the Province of Lecce. III. (In Italian.) Salento Agr. 3(12):4,10. Dec.1952. 281.8 Sa3

32024 FEDERICI, E. The transformation of olives on wild stock. (In Italian.) Italia Agr. 89:817-822. Dec. 1952. 16 It1

32025 GODFREY, G. H. Avoiding some hazards in banking trees. Rio Grande Val. Hort. Inst. Proc. 7:33-34. 1953. 81 L95
Citrus trees in Texas.

32026 HETZRONI, Y. Pruning olives. (In Hebrew.) Hassadeh 33:97-98. Nov.1952. 26 H27

32027 HORSLEY, R. J. Banana planting material. Banana B. 15(11):1-2. Nov.1,1952. 93.42 B22

32028 INSTITUT DES FRUITS ET AGRUMES COLONIAUX. Quelques réflexions sur la culture du bananier d'après les indications des essais à la Station Centrale. Paris. Inst. des Fruits et Agrumes Colon. B. 7,24 p. 1952. 93.6 P21

32029 LUNA ERCILLA, C. A. Exigencias de la datilera. Chacra 23(266):65. Jan.1953. 9 C34
Temperature requirements.

32030 MARIA, D. Practical instructions for planting the dwarf coconut. (In Portuguese.) Agr. e Pecuaria 24 (345):39,44. June 1952. 9.2 Ag89

32031 MENDIOLA, N. B., CAPINPIN, J. M., and MERCADO, T. M. Pineapple breeding in the Philippines 1922-1941. Philippine J. Agr. 16:51-84. Ref. 1951,pub. 1952. 25 P543

32032 MENÓN, H. B. La piña; cultivo racional, industrialización y usos. Agr. Costarricense 10:210-216. (Cont.) Sept.1952. 8 Ag895

32033 MENON, H. B. La piña; cultivo racional, industrialización y usos. Agr. Costarricense 10:244-249. (Cont.) Nov.1952. 8 Ag895

32034 MESA BERNAL, D. Es el banano indígena de América, o es importado? Agr. Trop. 8(11):23-27. Nov. 1952. 26 Ag8

32035 MONTAGNAC, P. R. Le figuier dans le sud-ouest de Madagascar. Fruits 7:513-523. Ref. Dec. 1952. 80 F9492

32036 NAKASONE, H. Y., and STOREY, W. B. Topping papaya trees not effective. Hawaii Farm Sci. [Hawaii Sta.] 1(4):3. Jan.1953. 100 H314

32037 NANKIVELL, W. I. Rootstocks; higher yields of Navels and Valencias on sweet orange in Irymple trial plots. Citrus News 27:157,162. Nov.1952. 80 C494

32038 NAUNDORF, G., and TERREROS, J. M. Contribución al enraizamiento de estacas de Citrus limon. Notas Agron. 5:43-47. Jan./June 1952. 102.5 P18N

32039 PAOLETTI, V. The Leccino variety in the Lake Trasimeno region. (In Italian.) Olivicoltura 7(11): 10-12. Nov.1952. OL42

32040 PIERIS, A. J. C. Thirty-five years' trials on a coconut estate. Ceylon Coconut Q. 3:75-76. Apr./June 1952. 77.8 C33

32041 QUINTANAR, F. Aguacate. Campo [Tacuba] 20(729):6,8,10,12,14,16-18,20,22,24-26. Nov.30,1952. 8 C157

32042 ROGERS, C. A. What's ahead in Texas citrus. Rio Grande Val. Hort. Inst. Proc. 7:79-83. 1953. 81 L95

32043 SAVAGE, Z. Citrus tree movement from Florida nurseries. Citrus Mag. 15(6):10-13. Feb.1953. 80 C498

For planting in Florida groves and dooryards.

32044 SAVAGE, Z. Profitableness of seeded and seedless grapefruit, 1945-50. Citrus Mag. 15(5):13. Jan.1953. 80 C498

32045 SILVEIRINHA, R. Olive trees. (In Portuguese.) Vida Agr. 15(92):4-5. Nov./Dec.1952. 15.5 V66

Culture

32046 SINGH, L. B. Vegetative propagation of mango (Mangifera indica L.) by air-layering (gootee). Science 117:158-159. Feb.13,1953. 470 Sci2

32047 SLEETH, B., and WAIBEL, C. Comparisons of budding Cleopatra and sour orange seedlings. Rio Grande Val. Hort. Inst. Proc. 7:39-41. 1953. 81 L95

32048 WAHLBERG, H. E. Alternatives for the marginal citrus orchard. Calif. Citrog. 38:98-100. Jan.1953. 80 C125

Avocados, berries, or poultry.

32049 WAIBEL, C. Varieties and strains of citrus originating in the Lower Rio Grande Valley of Texas. Rio Grande Val. Hort. Inst. Proc. 7:18-24. 1953. 81 L95

Fruits--Deciduous

32050 ALDERMAN, W. H., and others. Meteor cherry. Minn. Agr. Expt. Sta. Misc. Rpt. 16,3 p. Dec.1952. 100 M66

W. G. Brierley, T. S. Weir, A. N. Wilcox, R. C. Blake, K. W. Hanson, and L. C. Snyder, joint authors.

32051 BARNARD, L. C. Pear pruning practices compared. West. Fruit Grower 7:19. Jan.1953. 95.8 G762

32052 BERNSTORFF, H. Qualitätsverbesserung durch baumschnitt und spritzung bei der apfelsorte "Finkenwerder Prinz." Obstbauversring. Mitt. 7:224-226. Nov.1952. 85 J76

32053 BRANCATO, G. N. Orchard heating. East. Fruit Grower 15(11):6,14-15,17-19. Jan.1953. 80 Ea73

32054 BRANZANTI, E. C. Some aspects of fruit culture in the United States. The culture of apples and pears. Riv. di Frutticolt. 15:31-67. (Cont.) Jan.1953. 80 R52

32055 BRYNER, W. Die erziehung der jungen krone mit grösserer streuung der leitastansätze. Schweiz. Z. f. Obst- u. Weinbau 62:27-28. Jan.24,1953. 80 Sch9

32056 BRYNER, W. Zur pflege des Glockenapfelbaumes. Schweiz. Z. f. Obst- u. Weinbau 62:2-5. Jan. 10,1953. 80 Sch9

32057 CALAHAN, C. L. Pruning for picking. New Eng. Homestead 126(2):6,12. Jan.24,1953. 6 N442

Chiefly apple pruning.

32058 CUCALON TEJEIRO, E. Cultivemos muchos manzanos. Cult. Mod. 35:371-372. Oct.1952. 15 C89

Spain.

32059 DEKKER, P. Pruning of espaliers; apples and pears. (In Dutch.) Huis en Hof 4:227-229. Dec.1952. 80 H87

32060 EDGERTON, L. J. Peach growing. N. Y. Agr. Col. Cornell Ext. B. 869,39 p. Jan.1953. 275.29 N48E

32061 EICHENFELD, H. Warum frostharte stammbildner-sorten? Heim u. Gart. 3:179-180. Dec.1952. 80 H362

Fruit.

32062 FELJA, M. Ratio of the weight of the product to the number of seeds. (In Serbo-Croatian.) Biljna Proizvodnja 4:263-266. Nov./Dec.1951. 64.8 B49

Apples.

32063 FOREST, B. La greffe sur charpente. Agriculture [Montreal] 9:279-285. Summer/Autumn 1952. 7 Ag82

Apple trees.

32064 GENTILE, G. The peaches of Campania. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:241-244. Sept./Oct.1952. 86 R22

32065 GERRITSEN, J. D. The conquest of the small tree. (In Dutch.) Fruitteelt 42:854-855. Nov.20,1952. 86 N28

Fruit.

32066 HARP, H. F. Plant an apple tree in your garden this spring. Farm & Ranch Rev. 49:22-24. Jan.1953. 7 F223

32067 HOFFMAN, M. B. Spraying apples to thin, to fertilize, to control drop. Amer. Fruit Grower 73(2): 25,48-51. Feb.1953. 80 G85

32068 KOVAČEVIĆ, I. Contributions to the understanding of the method of planning and work in experimental orchards. (In Serbo-Croatian.) Biljna Proizvodnja 4:223-228. Sept./Oct.1951. 64.8 B49

32069 KOVAČEVIĆ, I. Contributions to the understanding of the method of planning and work on experimental orchards. (In Serbo-Croatian.) Biljna Proizvodnja 4:266-270. Nov./Dec.1951. 64.8 B49

32070 LOHDEN, A. Welche kernobstsorten und -unterlagen werden gegenwärtig im holländischen obstbau bevorzugt? Obstbauversring. Mitt. 7:222-224. Nov.1952. 85 J76

32071 MODENA, A. Selection of peach varieties in temperate autumn-winter zones. (In Italian.) Agr. Tosc. 7:371-380. Nov.1952. 16 Ag827

32072 PHILLIPS, F. J. Observaciones sobre el raleo de manzanos. Campesino [Santiago] 84(12):17-18. Dec.1952. 9.3 So12

32073 SELBY, H. C. Tree planting comments. Com. Grower 2978:147-148. Jan.22,1953. 80 F941

Fruit.

32074 SIMONNEAU, P. Le pommier "Llorca." Feuille d'Inform. Vitic. et Arbor. de Tunisie 30:17-23. Nov.1952. 80 F433

32075 SLIKKE, L. B. H. V. D. The Stringfellow method of pruning roots. (In Dutch.) Fruitteelt 42:896. Dec.4,1952. 86 N28

Of fruit trees.

32076 SLIKKE, L. B. H. V. D. Technical possibilities for the uprooting fruit trees. (In Dutch.) Fruitteelt 42: 856. Nov.20,1952. 86 N28

32077 TAUBITZ. Einige neuere apfelsorten aus den anbaugebieten des Staates New York, USA. Obstbauberatungsring. Mittbl. 7(6):7-8. Dec.1,1952. 85 Ob72

32078 TERRELL, R. P. A contribution to the geography of commercial peach production in the southeastern states. (Abs.) Ala. Acad. Sci. J. 21/22:109. Feb.1952. 500 AL12

32079 TRINCADO, J. Cultivo del manzano. Vinos, Viñas y Frutas 48:203-207. Oct.1952. 9 Ag89

32080 TRIOREAU, P. Les porte-greffes du prunier. Rev. Hort. 124:787-788. Oct./Nov.1952. 80 R32

32081 VAHL, E. VON. Auswertungen von zeltversuchen bei der sorte "Goldparmäne"; der einfluss der hand- und insektenbestäubung auf den fruchtansatz. Obstbauversring. Mitt. 7:243-245. Dec.1952. 85 J76

Apple variety.

32082 WINKELMANN. Unsere obstsorten. Deut. Baumsch. 4:338-339. Dec.1952. 80 D486

Fruits--Small

32083 AKHVLEDIANI, N. V. Data to determine methods for placing and spacing in planting grapes. (In Georgic.) Akad. Nauk Gruzinskoi SSR. Inst. Vinograd. i Vinodel. Trudy 7:1-21. Ref. 1951. 95.9 Ak1

Russian summary.

32084 ARESES VIDAL, R. Vid sin rival. Cult. Mod. 35:417. Nov.1952. 15 C89

Description of a large vine.

32085 AUBRIERE, J. La non-affinité des hybrides avec les porte-greffes usuels; peut-elle être évitée par le mode de greffage? Viticult. Nouvelle 5(56):10-11. Dec.1952. 390.8 V832

32086 AUDIBERT. Sur S.V. 12.375 et divers. Viticult. Nouvelle 5(56):24-25. Dec.1952. 390.8 V832

32087 BAILEY, J. S. Pruning the bush fruits for more and larger berries. Horticulture 31:57,67,69. Feb.1953. 80 H787

32088 BASTELEUS, R. Faisons le point lorsque les vignes sont cultivées en dépit du bon sens. Cour. Hort. 14:660-662. Dec.1952. 80 C834

32089 BAUER, W. Kleine rebsortenkunde. Österr. Weinztg. 7:151. (Cont.) Dec.10,1952. 390.8 Os7

32090 BERARDO, C. Faut-il planter la vigne à 3 mètres? Réveil Agr. 61:372. Dec.15,1952. 14 R322

32091 BERRY-SMITH, F. Grape growing in the home garden. New Zeal. J. Agr. 85:401,403,405,407-408. (Cont.) Nov.15,1952. 23 N48J

32092 BLAYAC, R. Exigeons des porte-greffes de qualité. Réveil Agr. 62(2642):5. Jan.1,1953. 14 R322
Grapes.

32093 BRUNNER, E. Stand der rebenveredlung 1952 in Südbaden. Bauern-Ztg. 52:20,22. Dec.24,1952. 18 B324

32094 CASTELLINI, A. Grafts for new grapes in Tuscany. (In Italian.) Agr. Tosc. 7:339-343. Oct.1952. 16 Ag827

32095 CHABERT, E. Les porte-greffes des sols argilo-calcaires. Bouches-du Rhone Agr. 24(1088):12. Dec.15,1952. 14 B662
Grapes.

32096 COOMBE, B. G. Setting currants with growth substances. So. Austral. Dept. Agr. J. 56:186-188,196. Nov.1952. 23 So84

32097 COSTE, M. Le fraisier. Rev. Hort. de l'Algérie 56:283-291. Nov.1952. 87 R32
Includes discussion.

32098 CROCE, F. M. El raleo de las uvas de mesa. Vinos, Viñas y Frutas 48:194-197,239-243,278-282. Oct./Dec.1952. 9 Ag89

32099 DARROW, G. M. Strawberries in Mexico, Central America, Colombia, and Ecuador. Ceiba 3: 179-185. Jan.30,1953. 475 C32

32100 FALCH, J., and STRAUSS, E. Sortenvergleich- und leistungsprüfungen im erdbeersortiment. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:239-244. Nov.1952. 105.9 K696
English summary.
Austria.

32101 FRIÐRIKSSON, S. Strawberry culture. (In Icelandic.) Garðyrkjufélag Íslands. Ársrit 1952:49-54. 86 Is4

32102 GALLAY, R., BENVEGNIN, L., and LEYVRAZ, H. Vers un encepagement partiel, en rouge, de notre vignoble romand. J. d'Agr. Suisse 74(36):4; (37):3; (38): 2-3. Sept.6-20,1952. 17 J82

32103 GARAVINI, G. Reconstruction of a grape holding. (In Italian.) Genio Rur. 15:527-536. Oct.1952. 281.8 R522
Italy.

32104 GARMI, Y. Amer. rootstock nursery vineyards. (In Hebrew.) Hassadeh 33:98-100. Nov.1952. 26 H27

32105 GERRITSEN, C. Grapes in greenhouses and outside. (In Dutch.) Fruitteelt 42:875. Nov.27,1952. 86 N28

32106 GONZALEZ MARIN, F. Praderas de moreras. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 15-52H,8 p. Aug.1952. 15 H68
Mulberry culture and promotion of sericulture.

32107 HERSHKOVITZ, E. Planning new plantings of wine grapes. (In Hebrew.) Hassadeh 33:94-96. (Concl.) Nov.1952. 26 H27

32108 HIDALGO FERNANDEZ-CANO, L. La viticultura en la República Argentina. Agricultura [Madrid] 21:612-617. Nov.1952. 15 Ag84

32109 HUBER, H. Vom 1952er sternenhalder. Schweiz. Z. f. Obst- u. Weinbau 62:29-30. Jan.24,1953. 80 Sch9
Grapes and weather.

32110 JONES, D. F. Home story on grapes. Home Gard. 21(12):17-22. Feb.1953. 80 H756

32111 JURAS, I., and ČOLAK, A. Calcaire actif et problème du renouvellement des vignobles sur l'île de Solta. (In Serbo-Croatian.) Biljna Proizvodnja 4: 229-233. Sept./Oct.1951. 64.8 B49
French summary.

32112 KRONENBERG, H. G. Tests on the fruit set of Jucunda strawberries. (In Dutch.) Boer en Tuinder 7(308):5. Jan.10,1953. 12 B632

32113 LEON, J. DE, and RAMOS, E. B. Strawberry growing in Baguio. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(11):15-24. Nov.1952. 25 P544P

32114 LOZANO ESPINOSA, E. La agricultura y la producción vitivinicola, el mayor exponente de la riqueza manchega. Ceres [Valladolid] 18(199):47,49,51. Jan.1, 1953. 15 C33

32115 LUQUE, J. La espaldera de 4 hilos: el sistema de mayor producción. Chacra 23(266):36-37. Jan.1953. 9 C34
Grapes.

32116 LUQUE L, J. A. Los sistemas de conducción de vid mas generalizados en la Provincia de Mendoza. Argentina. Dir. Gen. de Fomento Agr. B de Prod. y Fomento Agr. 4(32):2-11. Feb.1952. 9 Ar35

32117 MOS, D. DE. Pruning of grapes. (In Dutch.) Fruitteelt 42:942-943. Christmas 1952. 86N28

32118 NOVAK, J. Is there a future for vineyards situated on terraces? (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 4:172-176. July/Aug.1952. 21.5 Sa1

32119 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Comparación de cultivos. Semana Vitivinic. 7(338):2-3. Dec.20,1952. 95.8 Se5

32120 PLOCK, H. Himbeer-kultur. Unser Wegweiser im Obstbau, Gart. Kleintierhof 7:270-271,282. Dec.1952. 18 Un7

32121 PRIEUR, B. Framboisier et framboisière. Rev. d'Oka 26:179-187. Nov./Dec.1952. 7 Ok1
Culture.

32122 RAMONA, R. DE. La uva y el vino, forjadores de optimismo y de salud. Cult. Mod. 35:443-444. Dec. 1952. 15 C89

32123 RIVEROS, J. E. Los porta-injertos de Berlandieri riparia. Vinos, Viñas y Frutas 48:191-193. Oct 1952. 9 Ag89

32124 ROCHE, R. La culture des raisins de table dans les jardins. Soc. d'Hort. et d'Acclim. du Maroc. B. 159.96-101 (Cont.) Fourth Q.1952. 87 So1

32125 ROJON, P. Le champ d'expériences et de grande culture de l'Ain. Viticult. Nouvelle 5(56):6-8. Dec.1952. 390.8 V832
Grape hybrids.

32126 SCHALK, A. Our current raspberry varieties. (In Dutch.) Fruitteelt 43:31. Jan.10,1953. 86 N28

32127 SCHWARTZE, C. D. New varieties change berry picture. Oreg. Farmer 76:35,61. Jan.15,1953. 6 Or32

32128 SEITZER. Rückblick und ausblick. Obstbau 72:1-3. Jan.1,1953. 80 Ob73
Germany.

32129 SLATE, G. L. Give me grapes. Pop. Gard. [Albany] 4(2):34-35,85-87. Feb.1953. 80 P812
Varieties.

32130 STURM, R. Why do vines break in bloom? (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 4:176-177. July/Aug.1952. 21.5 Sa1

32131 VRYONIDES, P. New varieties of grapes. Countryman [Nicosia] 6(10):12-14. Oct.1952. 25 C33

32132 WIEMER, E. Betrachtungen zur pfropfrebenherstellung. I. Deut. Weinbau 7:671-672. Dec.20,1952. 390.8 W432

Nuts

32133 BARNARD, L. C. Grafting made easy. Diamond Walnut News 35:6-8. Jan.1953. 94.68 D34

32134 BLONDEL, L. Les agriculteurs peuvent enfin planter des pacaniers. Rev. Agr. de l'Afrique du Nord 50:906-908. Dec.12.1952. 80 R326

32135 BOOTH, C. E. New chestnuts for old. Horticulture 31:51,77. Feb.1953. 80 H787

32136 DENGLER, H. W. Scientists evaluate Asiatic chestnuts. Pa. Forests & Waters 4:141. Nov./Dec.1952. 99.8 P38

32137 EVREINOFF, V. A. Quelques observations biologiques sur l'amandier. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:442-459. Sept./Oct.1952. 26 R323

32138 MERCURI, S. Everything in the nut is valuable, from the leaves to the roots. (In Italian.) Agricoltura 1(12):15-18. Dec.1952. 16 Ag8226
Walnut culture.

32139 SCARAMUZZI, F. Almond culture in California. Notes from a study trip. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:273-291. Ref. Nov./Dec. 1952. 86 R22
A Mutual Security Agency mission.

32140 SEIBERT, R. J. Peruvian black walnut [Juglans neotropica]. Lasca Leaves 2:15-16. July 1952. 450 L33

32141 STRONG, J. Nut culture in Ontario. Ontario. Dept. Agr. B. 494,25 p. Sept.1952. 101 On8B

Shade Trees and Ornamental Plants

32142 ADAMS, R. Two hollies at Wisley. Arboretum B. 15(4):15. Winter 1952. 451 Ar1
Ilex latifolia and I. fargesii.

32143 AMATEIS, E. A little chat about eastern breeders. Amer. Rhododendron Soc. Q. B. 7:32-40. Jan.15, 1953. 81 Am398

32144 AMSLER, A. M. Daphnes. Roy. Hort. Soc. J. 78:5-18. Jan.1953. 84 L84J

32145 ANDREWS, K. Sub-zero roses. Farm J. 77(2):78-79. Feb.1953. 6 F2212

32146 ARIEF, O. G. S. M. The most important tree-species way-side planting. (In Indonesian.) Rimba Indonesia 1:111-148. Ref. Oct.1952. 99.8 R46
English summary.

32147 ARNOLD, R. E. Stanhopea inodora. Orchid Rev. 61:14-15. Jan.1953. 80 Or15

32148 BACHER, J. G. The initial progress of the A.R.S. rock garden. Amer. Rhododendron Soc. Q. B. 7: 41-43. Jan.15,1953. 81 Am398
At Crystal Lake Springs Island, Portland, Oreg.

32149 BALDSIEFEN, W. Successful Rhododendron propagation without a greenhouse. Amer. Rhododendron Soc. Q. B. 7:46-52. Jan.15,1953. 81 Am398

32150 BARREDA, A. A propósito de la arborización urbana. Vida Agr. [Lima] 29:971-972. Nov.1952. 9.8 V66

32151 BARRON, J. H. How to raise living miniature trees for pleasure and profit. Los Angeles,Living Miniatures,1952. 56 p. 96.06 B27

32152 BASTELEUS, R. Les beaux lis des jardins. B. Hort. (n.s.)8:7-16. Jan.1,1953. 80 B873

32153 BASTELEUS, R. Les particularités du houx porte-bonheur. Cour. Hort. 14:596-598. Nov.1952. 80 C834

32154 BAYNES, A. Plants for beginners. II. Cacti.VI. Natl. Cactus & Succulent J. 7:57-58. 1952. 450 N21

32155 BECKERATH, S. VON. Klingsors zaubergarten. Schweiz. Gärtztg. 55(48):2-4. Dec.4,1952. 80 G1939

32156 BECKETT, E. They're lush and lovely, tuberous Begonias. Pop. Gard. [Albany] 4(2):40-41,54-56. Feb.1953. 80 P812

32157 BEDBROOK, C. Iris dichotoma. Roy. Hort. Soc. J. 78:29. Jan.1953. 84 L84J

32158 BELL, J. R. These Chrysanthemums were Christmas winners. Nurseryman & Seedsman 116:80-81. Jan.8,1953. 80 N933

32159 BIEKART, H. M. The propagation of American and English holly for the amateur. Arboretum B. 15(4): 20-21. Winter 1952. 451 Ar1

32160 BLACKBURN, B. Japanese witch-hazels [Hamamelis japonica]. Pop. Gard. [Albany] 4(2):46-47, 56. Feb.1953. 80 P812

32161 BOHNERT, and MUHLENDYCK, E. Ein vergleich von vegetativem wachstum und blütenerzeugung zur frage der leistungssteigerung bei "Gloxinien" (Sinningia hybrida hort.). Saatgut-Wirt. 4:255-257. Nov.1952. 61.8 Sa1

32162 BOUILLENNE, R., and SIRONVAL, C. Une nouvelle méthode de culture de Begonia semperflorens Link et Otto. B. Hort. (n.s.)7:349-353. Dec.1,1952. 80 B873

32163 BREDDY, N. C. The asymbiotic raising of orchid seedlings. Austral. Orchid Rev. 17:119-120. (Cont.) Dec.1952. 80 Au73

32164 BREDDY, N. C. Observations on the raising of orchids by asymbiotic cultures. Amer. Orchid Soc. B. 22:12-17. Jan.1953. 80 Am329

32165 BRÖEN, M. En las flores se consigue mayor duración teniendo en cuenta la forma de cortarlas. Mundo Agr. 4(43):37-38. Dec.1952. 9 M92

32166 BROEN, M. Nuevas rosas para decoración de jardines. Mundo Agr. 4(42):40-41. Nov.1952. 9 M92

32167 BUTTERS, K. D. Chrysanthemums from late struck cuttings. Grower [London] 39:178-179. Jan.24, 1953. 286.83 M34

32168 CAVE, N. L. Is the Iris losing its stamina? Gard. Illus. 70:32. Feb.1953. 80 G169

32169 CHAPELLE, C. 25 années d'effort et de persévérance: successions florales dans les domaines publics et privés. B. Hort. (n.s.)8:20-24. Jan.1,1953. 80 B873

32170 CHEVALIER, C. Plantes bulbeuses méconnues. B. Hort. (n.s.)7:358-360. Dec.1,1952. 80 B873

32171 CLEENE, E. T. DE. Azaleas at Christmas; how to force for the market. Nurseryman & Seedsman 115:1244-1245. Nov.20,1952. 80 N933

32172 COLEMAN; S. D. I find native Azaleas the most interesting of the Rhododendron family. Amer. Rhododendron Soc. Q. B. 7:29-31. Jan.15,1953. 81 Am398

32173 COMSTOCK, R. M. How to dig and store your Dahlia clumps. Calif. Gard. 43(4):7,15. Winter 1952. 80 C127

32174 COOPER, B. P. Odontoglossum pulchellum, a good window-sill orchid. Orchid J. 1:507. Dec.1952. 80 Or174

32175 CORNISH, G. S. Your guide to a greener lawn. Boston,Mass. Hort. Soc.,1952. 63 p. 97.6 C81Y

32176 COUNCILMAN, E. This Camellia loves sun. Camellia Rev. 14(3):8. Dec.1952. 97.31 So82
Variety Captain Rawes.

32177 CUNLIFF, K. M. Trees for tomorrow. Trees So. Africa 4(2):4. July/Sept.1952. 99.8 T716
Maerua triphylla and Bauhinia corniculata.

32178 CURWOOD, J. E. The first maxim is sound propagation. Com. Grower 2976:58. Jan.8,1953. 80 F941
Ornamental plants.

32179 CUTAK, L. How to grow jungle Cacti. Home Gard. 21(12):34-39. Feb.1953. 80 H756

32180 DALMASSO, G. A fine start; a course for gardeners at Turin. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:455. Nov.1952. 16 C72

32181 DARLING, R. A newcomer looks at rock gardeners. Amer. Rock Gard. Soc. B. 10:14-16 Jan./Feb.1952. 81 Am342

32182 DAVIS, E. Fuchsias in Saskatchewan. Fuchsia Fan 13:5. Jan.1953. 96.532 F952

32183 DAVIS, J. O. The African violet. Calif. Gard. 43(4):10. Winter 1952. 80 C127

32184 DECKER, J. S. Beautiful Emilia, Plumbago capensis Thumb. (In Portuguese.) Chacaras e Quintais 86:781-782. Dec.15,1952. 9.2 C34

32185 DEKKER, P. Dahlias in the searchlight. (In Flemish.) Cult. en Handel 19:17-19. Jan.1953. 80 C892

32186 DONOVAN, J. Selenicereus pteranthus. Roy. Hort. Soc. J. 78:28. Jan.1953. 84 L84J

32187 DORRENHAUS, F. Geographisches vom alpenveilchen [Cyclamen persicum]. Pflanze u. Gart. 2(12):15-16. Dec.1952. 80 P48

32188 DOUMONT, L. Utilisons les Clématites. Cour. Hort. 14:598-600. Nov.1952. 80 C834

32189 DRESSEL, K. Trees—their place and part in the complete highway. Trees [Cleveland] 13(2):8-9,26. Jan./Feb.1953. 99.8 W52

32190 DUNN, M. Gardening on a slope. Austral. House & Gard. 8(6):38-39,66. Nov.1952. 296.28 Au7

32191 DUQUE, J. P. Debe evitarse en cuanto sea posible la recepa de árboles o de astas—poda de reconstrucción. Lamatepec (ser.2)16:3539-3541. Dec.1952. 8 L16

32192 DUQUESNAY, C. H. The place of an orchid in the world of living things. Amer. Orchid Soc. B. 22:3-5. Jan.1953. 80 Am329

32193 ELLIOTT, D. Proteas, strange flowers from Africa. Horticulture 31:50,75. Feb.1953. 80 H787

32194 ENE DE PIRO, M. La tubéreuse. III. Culture pour la parfumerie. Réveil Agr. 61:374-375. Dec.15, 1952. 14 R322
Polianthes.

32195 FAIRCHILD, L. M. Popular Gardening's 3rd National Gladiolus Symposium. Pop. Gard. [Albany] 4(2):36-38,72-73. Feb.1953. 80 P812

32196 FARRINGTON, E. I. Trees to fit the modern home. Horticulture 31:48,68. Feb.1953. 80 H787

32197 FAVARGER, C. Recherches sur quelques Mélastomacées d'Afrique occidentale. Schweiz. Bot. Gesell. Ber. 62:5-65. Ref. Dec.1952. 451 Sch9

32198 FENSKA, R. R. Killing shade trees. Amer. Forests 59(2):24,50. Feb.1953. 99.8 F762
Care.

32199 FENTRESS, C. L. Recipe for watering. Amer. Orchid Soc. J. 22:104. Feb.1953. 80 Am329

32200 FINLAYSON, H. D. Orchids and water temperatures. Amer. Orchid Soc. J. 22:96-97. Feb.1953. 80 Am329

32201 FLETCHER, H. R. Some recent Primula introductions. II. Roy. Hort. Soc. J. 78:18-26. Jan.1953. 84 L84J

32202 FOLKNER, J. S. Green trees in the old town (Palo Verde in Tucson). Green Thumb [Denver] 10(2): 12-14. Feb.1953. 80 G82
Introduction by M. W. Pesman.

32203 FOSTER, M. B. Earth stars among the bromeliads. Bromeliad Soc. B. 2:65-67. Nov./Dec.1952. 451 B78
Cryptanthus.

32204 FOSTER, R. Benevolent bromeliads. Bromeliad Soc. B. 2:68-69. (Concl.) Nov./Dec.1952. 451 B78

32205 GALLE, F. C. Evergreen hollies for the South. Holly Soc. Amer. B. 5:3-11. Nov.13/14.1952. 97.31 H72

32206 GALLE, F. C. Ilex cornuta burfordi—periclinal chimera. Holly Soc. Amer. B. 5:13-16. Nov.13/14.1952. 97.31 H72

32207 GANAY, E. DE. Les jardins de champs. Rev. Hort. 124:776-777. Oct./Nov.1952. 80 R32

32208 GANNON, R. T. Decorating with house plants. New York,Studio P.,1952. 136 p. 96.06 G15

32209 GRAEFLINGER, B. Early transplanting of Orchidaceae on moss. (In Portuguese.) Minas Gerais. Dept. de Prod Veg. B. de Agr. 1(7):48-51. July 1952. 9.2 M663

32210 GRAF, H. Fuchsias in South Africa fifty years ago. Fuchsia Annu. 15:18. Jan.1953. 96.532 F95

32211 GRAU, F. V. Golfers and their lawns. Golf Course Rptr. 21:24-26. Jan./Feb.1953. 60.18 G83

32212 GRAU, F. V. Turf roundup of 1952. Golfdom 27(2):52-54,56,72-75. (Concl.) Feb.1953. 60.18 G58

32213 HALL, S. P. Notes from Western Australia. Orchid J. 1:486. Dec.1952. 80 Or174

32214 HARPHAM, H. T. Random jottings. Fuchsia Annu. 15:31. Jan.1953. 96.532 F95
Varieties and culture.

32215 HAWKES, A. D. A natural hybrid in Maxillaria (M. x lyothii). Orchid J. 1:486. Dec.1952. 80 Or174

32216 HAWORTH-BOOTH, M. Some favourite Rhododendrons. Country Life [London] 113:92-93. Jan.9,1953. 80 C83

32217 HELLYER, A. G. L. Developments in the Dahlia. Country Life [London] 113:218-219. Jan.23,1953. 80 C83

32218 HODGE, W. H. Flowering stones. Natl. Hort. Mag. 32:1-14. Jan.1953. 80 N216
Mostly Aizoaceae.

32219 HOFFMAN, I. N. Brassavola nodosa, a lovely fragrant white for the home or greenhouse. Natl. Capital Orchid Soc. B. 6:43. Dec.1952. 81 N2122

32220 HOLLY SOCIETY OF AMERICA. Proceedings, fall meeting, Philadelphia, November 13 and 14, 1952. n.p.,1952. 31 p. 97.31 H72P

32221 HONDELMANN, W. Ein besuch in Wisley Gardens. Deut. Baumsch. 4:332-336. (Concl.) Dec.1952. 80 D486

32222 HOTTES, A. C. Ilex-holly. Calif. Gard. 43(4): 11-12. Winter 1952. 80 C127

32223 HU, S. An oriental holly lover's vision on the future of holly culture in America. Holly Soc. Amer Proc. 11:21-31. 1952. 97.31 H72P

32224 HUME, H. H. Hollies for the garden. Pop. Gard. [Albany] 4(2):30-33,59-60. Feb.1953. 80 P812

32225 INGWERSEN, W. The Diptera Saxifragas. Amer. Rock Gard. Soc. B. 10:1-3. Jan./Feb.1952. 81 Am342

32226 INGWERSEN, W. More about Meconopses. Nurseryman & Seedsman 116:78-79. Jan.8,1953. 80 N933

32227 INGWERSEN, W. These poppies [Meconopsis] are popular. Nurseryman & Seedsman 115:1426-1427. Dec.11,1952. 80 N933

32228 JACOB, A. C. Gerbera. Mr. Chase's Cloche Gard. Notes 11:172-174. Nov.1952. 80 M69

32229 JAMES, V. Too many Camellias. Camellia Rev. 14(3):3,16. Dec.1952. 97.31 So82
Number of new varieties recently introduced.

32230 JONES, M. E., and CLARK, H. F. Indoor plants and gardens. London,Architectural Press,1952. 154 p. 96.06 J72

32231 JØRGENSEN, S., and LARSEN, Ø. Poinsettias in America. (In Norwegian.) Gartneryrket 42:860-866. Dec.17,1952. 80 G1938

32232 KAMMERER, E. L. Eastern wahoo, cut-leaf barberry, mountain ninebark and some other plants furnishing late autumn color. Morton Arboretum B. Pop. Inform. 27:49-51. Dec.1952. 99.9 M84
Euonymus atropurpurea, Berberis circumserrata, and Physocarpus monogynus.

32233 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Outline for landscaping the farm home grounds. Manhattan,1952. 2 p. 275.2 K410

32234 KEEFE, J. The Tree of Heaven. Mo. Conserv. 14(2):10. Feb.1953. 279.8 M69
Ailanthus attissima.

32235 KIRWALD, E. Weidenstecklinge als lebender baustoff. Wasser u. Boden 4:335-357. Nov.1952. 5f.8 W28

32236 KLEINSCHMIDT, W. F. Growing ferns from spores. Amer. Fern. J. 42:117-124. Oct./Dec.1952. 450 Am35

32237 KNIGHT, F. P. Rosa ecae. Roy. Hort. Soc. J. 78:26-27. Jan.1953. 84 L84J

32238 KNOCK, F. Isoloma picta. Gloxinian, Jan./Feb. 1953:10. 96.06 G51

32239 KORDES, W. Mathias Tantau, ein deutscher rosenzüchter. Deut. Baumsch. 4:327-329. Dec.1952. 80 D486

32240 KRAUS, E. J. Precocious flowering of Chrysanthemums. Natl. Chrysanthemum Soc. B. 8:126-127. Dec.1952. 96.519 Ea7
In Pacific Northwest.

32241 KROMDIJK, G. Antirrhinum culture. (In Flemish.) Cult. en Handel 19:30-31. Jan.1953. 80 C892

32242 KUKLO, E. J. Cascade Chrysanthemums. Natl. Chrysanthemum Soc. B. 8:131-132. Dec.1952. 96.519 Ea7

32243 LAVIOLETTE, C. DE. Quelle utilisation ferons-nous des plantes vivaces. Cour. Hort. 14:670-671. Dec.1952. 80 C834

32244 LEACH, D. G. A final discussion on "A further discussion of breeding methods." Amer. Rhododendron Soc. Q. B. 7:53-58. Jan.15,1953. 81 Am398

32245 LEWIS, C. E. Tips for better landscapes. Amer. Nurseryman 97(4):16-17. Feb.15,1953. 80 Am371
Seashore plants.

32246 LOWRY, R. Oncidiums for every season. Amer. Orchid Soc. J. 22:115-119. Feb.1953. 80 Am329

32247 LOWRY, R. Orchid growing in the Mid-West. Amer. Orchid Soc. B. 22.32-35. Jan.1953. 80 Am329

32248 LUCAS, M. The South's problem on golf greens. Golf Course Rptr. 21:18,22. Jan./Feb.1953. 60.18 G83
Changing rye grass to Bermuda.

32249 LUPINACCI, M. At Rome the trees have held their heads up before the invasion of buildings. (In Italian.) Agricoltura 1(11):48-53. Nov.1952. 16 Ag8226

32250 MACCARIO, G. Rose rootstocks; how it is done in Italy. (In Italian.) Italia Agr. 89:803-813. Dec. 1952. 16 It1

32251 MCDILL, R. L. Seeding experiments on highway backslopes. Iowa Acad. Sci. Proc. 59:119-133. Ref. 1952. 500 Io93

32252 MAH, K. L. Aids to flowering. Orchid J. 1: 473-474. Dec.1952. 80 Or174

32253 MARCUS, M. F. Period flower arrangement. New York,Barrows,1952. 256 p. 96.03 M33

32254 MARIOTTI, A. La culture du géranium et du vétyver à la Réunion. France. Min. de l'Agr. B. Tech. d'Inform. 75:783-790. Dec.1952. 14 F844B

32255 MARNETTE, J. Comment on sème. B. Hort. (n.s.)7:361-365. Dec.1,1952. 80 B873

32256 MATHIEU, T. F. Experiences in summer transplanting of trees. Trees [Cleveland] 13(2):10-11,18. Jan./Feb.1953. 99.8 W52

32257 MATTOON, H. G. English holly in eastern U. S. Holly Soc. Amer. Proc. 11:11-14. 1952. 97.31 H72P

32258 MEIJER, M. G. J. Ferns for house and garden. (In Dutch.) Huis en Hof 4:230-232. Dec.1952. 80 H87

32259 MEIKLE, C. The printing of a rose catalog. Amer. Rose Mag. 11:9-10. Jan.1953. 80 Am327A

32260 MELLE, P. J. VAN, If I were to build a rock garden today. Amer. Rock Gard. Soc. B. 10:4-8. Jan./Feb.1952. 81 Am342

32261 MENNINGER, E. A. The confusing Chorisia trees. Natl. Hort. Mag. 32:21-33. Jan.1953. 80 N216

32262 MEYER, F. Alpenveilchen [Cyclamen persicum] in garten und haus. Pflanze u. Gart. 2(12):16-22. Dec.1952. 80 P48

32263 MEYER, G. L. Caladiums all year round? (In Flemish.) Cult. en Handel 19:20-22. Jan.1953. 80 C892

32264 MEYN, W. Prune Fuchsias for beauty and glamour. Fuchsia Fan 13:6-7. Jan.1953. 96.532 F95

32265 MICHIGAN FORESTRY AND PARK ASSOCIATION. 26th annual meeting, February 8, 1952, Union Building, Michigan State College, East Lansing. East Lansing,1952. 19 p. 99.9 M586

32266 MILLER, J. H. Phalaenopsis in the Philippines. Amer. Orchid Soc. J. 22:97-101. Feb.1953. 80 Am329

32267 MÜLLER, B., and MAIWALD, K. H. Herbstschönheit. Deut. Baumsch. 4:308-311. (Concl.) Nov. 1952. 80 D486

32268 MULLIGAN, B. O., and MICHAUD, L. J. Germination of holly seeds at Arboretum. Arboretum B. 15(4):19. Winter 1952. 451 Ar1

32269 MULLIGAN, B. O. Hollies in the Arboretum. Arboretum B. 15(4):17,30. Winter 1952. 451 Ar1

32270 MYODO, H., and KUBO, T. The propagation of the Easter-lily (Lilium longiflorum) by scales. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:175-180. 1952. 107.6 H682
English summary.

32271 NELSON, H. E. A holly problem. Arboretum B. 15(4):16,21. Winter 1952. 451 Ar1
Non-berrying.

32272 NORTHEN, R. T. Orchids in the house. Amer. Orchid Soc. J. 22:105-110. Feb.1953. 80 Am329

32273 NORTHEN, R. T. Phalaenopsis seed sowing. Amer. Orchid Soc. J. 22:122-123. Feb.1953. 80 Am329

32274 OLSEN, A. Philadelphus. (In Danish.) Haven 53:4-8. Jan.1953. 80 H29

32275 OZAWA, M. Some gentians offered in the seed exchange. Amer Rock Gard. Soc. B. 10:13. Jan./Feb. 1952. 81 Am342

32276 PALMGÄRD, E. Labor saving measures in the garden. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12:24-27. 1952. 11 K12

32277 PANNEKOEK, G. J. Varied color effects in tree and shrub plantings. (In Flemish.) Cult. en Handel 19:44-46. (Cont.) Jan.1953. 80 C892

32278 PAUL, A. J. Rotten limbs; highways and streets. Mich. Forestry & Park Assoc. Annu. Mtg. 26:8-11. 1952. 99.9 M586

32279 PEART, L. E. Peace made me a rose enthusiast. Amer. Rose Mag. 11:4-5. Jan.1953. 80 Am327A

32280 PERIS PEREZ, P. Tulipas y flores de invierno. Cult. Mod. 35:420-422. Nov.1952. 15 C89
Spain.

32281 PERSSON, A. R. Raising new hybrids from seed. Austral. Orchid Rev. 17:135-139. Dec.1952. 80 Au73

32282 PETRI, P. S. A case of winter flowering of Chaenomeles japonica Pers. at Bologna. (In Italian.) Riv. di Frutticolt. 15:26-30. Ref. Jan.1953. 80 R52
English summary.

32283 PHILO, R. H. Hibiscus. MEGA 12(5):28-30. Dec.1952. 90.32 M52B

32284 PINCKNEY, G. H. The Knap Hill and Exbury strain of Azaleas. Amer. Rhododendron Soc. Q. B. 7:44-45. Jan.15,1953. 81 Am398

32285 POATE, SIR H. R. G. Some factors influencing the growth of orchids. Austral. Orchid Rev. 17:122-124. Dec.1952. 80 Au73

32286 PRINCIPI, G. Pioneers in flower culture: the garden of Marquese Piero Grossi at Marignolle. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:295-299. Nov./Dec.1952. 86 R22

32287 QUINN, C. E. Daffodil stars as of 1952. Natl. Hort. Mag. 32:37-42. Jan.1953. 80 N216

32288 RAALTE, D. VAN. Shrubs that can be forced to bloom just after new year. (In Flemish.) Cult. en Handel 19:26-29. Jan.1953. 80 C892

32289 REARK, J. B. A new variety of Episcia lilacina. Gloxinian, Jan./Feb.1953:19. 96.06 G51

32290 REGAN C. W. Something a little different in 1951. Amer. Rock Gard. Soc. B. 10:8 11. Jan./Feb. 1952. 81 Am342
Variation in blooming due to weather and situation.

32291 RESTREPO R., M. Vanda amoena. Amer. Orchid Soc. J. 22:102-103. Feb.1953. 80 Am329

32292 RIFF, M. Les plantes grasses. Cactus [Paris] 7:129-132. (Cont.) Dec.15,1952. 450 C114
Hoya carnosa, Bowiea volubilis, Stapelia variegata, and Caralluma maroccana.

32293 RIVOIRE, P. Les Chrysanthèmes au Japon. Rev. Hort. 124:770-771. Oct./Nov.1952. 80 R32

32294 ROBERTS, E. The African violet in America. Gard. Chron. 133:14. Jan.10,1953. 80 G162

32295 ROUX, E. R. Autumnal colours in leaves. Trees So. Africa 4(2):16,20. July/Sept.1952. 99.8 T716

32296 ROWLEY, G. D. Succulents in the Bates collection. 5. Lithops optica N. E. Br. and var. rubra Tisch. Natl. Cactus & Succulent J. 7:61-62. 1952. 450 N21

32297 ROWNTREE, L. A Californian seed collector's impressions of English gardens. Roy. Hort. Soc. J. 78:54-59. Feb.1953. 84 L84J

32298 ROWNTREE, L. Luxuriant desert exhibitions. Natl. Hort. Mag. 32:15-16. Jan.1953. 80 N216

32299 SANTOS BILONI, J. El "guaranguay amarillo" [Tecoma stans] es un arbolito decorativo y medicinal. Mundo Agr. 5(44):42. Jan.1953. 9 M92

32300 SAUM, O. How I grow Gloxinias from seed. Gloxinian, Jan./Feb.1953:16-17. 96.06 G51

32301 SAVONET, G. Seeding of Cactus and succulents. (In Flemish.) Cult. en Handel 19:24-25. Jan.1953. 80 C892

32302 SCHAIRER, J. F. Jungle plants for the amateur collection. Natl. Capital Orchid Soc. B. 6:43-45. Dec.1952. 81 N2122

32303 SCHNABEL, C. F. The first ten years. Fuchsia Fan 13:8-9. Jan.1953. 96.532 F952
Varieties offered by California breeders through 1941.

32304 SCHULZ, P. Concerning Episcias. Natl. Hort. Mag. 32:34-36. Jan.1953. 80 N216

32305 SENIOR, R. M. Late-blooming rock plants. Amer. Rock Gard. Soc. B. 10:11-13. Jan./Feb.1952. 81 Am342

32306 SHAMMARELLO, A. M. Hybrid notes. Amer. Rhododendron Soc. Q. B. 7:60. Jan.15,1953. 81 Am398

32307 SHAW, T. E. The Maasser cedars. Outdoor Ind. 20:12-13. Jan.1953. 279.8 Ou82
Cedrus libani.

32308 SHERMAN, D. Culture of my favorite Cypripedium. Amer. Orchid Soc. J. 22:111-114. Feb. 1953. 80 Am329

32309 SKINNER, H. T. Holly breeding. Holly Soc. Amer. Proc. 11:15-20. 1952. 97.31 H72P

32310 SMITH, A. L. Notes on Phaius grandifolius. Amer. Orchid Soc. J. 22:120-121. Feb.1953. 80 Am329

32311 SMITH, D. W. Ornamental horticulture in the Lower Rio Grande Valley. Rio Grande Val. Hort. Inst. Proc. 7:118-121. 1953. 81 L95

32312 SMITH, H. J. Landscape first on paper. I. Prog. Farmer, Tex. Ed. 68(2):52. Feb.1953. 6 T311

32313 SODERSTROM, T. Producing your own hybrid African violets. Gloxinian, Jan./Feb.1953:18. 96.06 G51

32314 SOUTHERN CALIFORNIA FLORAL ASSOCIATION. Florist directory, spring 1952. Los Angeles, 1952. 136 p. 225 So825

32315 SPAULDING, S. Mexico—Begonia treasure chest. Natl. Hort. Mag. 32:43-45. Jan.1953. 80 N216

32316 SPRINGER, A. Die praxis der Orchideenpflege am zimmerfenster. Pflanze u. Gart. 2(12):9-14. Dec. 1952. 80 P48

32317 STONE, F. Trial and error in growing orchids in the home. Amer. Orchid Soc. B. 22:24-29. Jan.1953. 80 Am329

32318 STOUTEMEYER, V. T. Cold resistance of subtropical ornamentals. Lasca Leaves 2:9-14. July 1952. 450 L33

32319 SUSINI, R. Return to Nature: wild Sedum. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:300-302. Nov./Dec.1952. 86 R22

32320 TALOUMIS, G. Gardens of Europe today. Horticulture 31:58-59,66. Feb.1953. 80 H787

32321 THEE, J. Horticulture d'ornement une révolution pour l'horticulture oranaise. Rev. Hort. de l'Algérie 56:254-256. Oct.1952. 87 R32

32322 THOMSON, R. Soleil d'Or. Amer. Rose Mag. 11:17-19. Jan.1953. 80 Am327A

32323 THWING, W. E. Shortia from the Blue Ridge to the Berkshires. Home Gard. 21(12):65-66. Feb.1953. 80 H756

32324 TORMEY, J. S. Growing the Camellia. Fuchsia Fan 13:11-12. Jan.1953. 96.532 F95

32325 TORRANCE, D. J. White Cypripediums. Amer. Orchid Soc. J. 22:87-93. Feb.1953. 80 Am329

32326 TUNSTILL, A. About roses. Fuchsia Fan 13:10. Jan.1953. 96.532 F952
Culture in California.

32327 U. S. PATENT OFF. Plant patents. 3 Nos. 1953. 156.65 P69
Contents: 1162. Boerner, E. S. Chrysanthemum plant. 2 p., 1 col. pl. Feb.3; 1163. Jacobus, M. R. Rose plant. 3 p., 1 pl., 1 col. pl. Feb.3; 1164. Verschuren, H. A. M. Rose plant. 2 p., 1 col. pl. Feb.3.

32328 URPIA, H. Laelia grandis, Ldl. Amer. Orchid Soc. B. 22:6-11. Jan.1953. 80 Am329

32329 VATTER, E. Little but lovely. Natl. Cactus & Succulent J. 7:59-60. 1952. 450 N21
Cactus hunt in Cucuman Province, Argentina.

32330 WARD, F. K. Colourful spindlewoods [Euonymus]. Gard. Illus. 70:33. Feb.1953. 80 G169

32331 WATKINS, J. V. Daylilies [Hemerocallis] in Florida. Fla. Agr. Col. Ext. C. 106,11 p. Aug.1952. 275.29 F66C
A revision of Circular 88.

32332 WAUSER. Le Dahlia en fête en Belgique, en France, en Hollande. Cour. Hort. 14:604-607. Nov.1952. 80 C834

32333 WEBB, A. Notes on American Fuchsias:introductions. Fuchsia Annu. 15:15-18. Jan.1953. 96.532 F95

32334 WEIR, F. J. Culture and care of Gladiolus. Manitoba. Dept. Agr. & Immigr. P. 256,3 p. Dec.1952. 275.29 M313

32335 WEIR, F. J. Hardy perennial flowers for Manitoba gardens. Manitoba. Dept. Agr. & Immigr. P. 257,2 p. Jan.1953. 275.29 M313

32336 WIDEBRANT, E. Planting a lawn. (In Swedish) Skaraborgs Läns Hushsållsk. Tidn. 4:57-58. Aug.1952. 11 Sk1

32337 WILD, H. Mid-West weatherizing. Amer. Rose Mag. 11:6-8. Jan.1953. 80 Am327A

32338 WILSON, A. B. Flower arrangement for churches. New York,Barrows,1952. 192 p. 96.03 W692

32339 WILTSHIRE, T. W. Notes from Llandaff Court, Cardiff. Fuchsia Annu. 15:23-24. Jan.1953. 96.532 F95

32340 ZIMMERMAN, C. There's something about a rose. Capper's Farmer 64(2):104-106. Feb.1953. 6 M693
Varieties.

Vegetable and Truck Crops (Including Potatoes)

32341 ALASKA. UNIVERSITY. DIV. OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Alaska mushrooms. Alaska. U. Agr. Ext. B. F-46,8 p. Aug.1952. 275.29 AL13B

32342 ANDREW, R. H. The influence of depth of planting and temperature upon stand and seedling vigor of sweet corn strains. Agron. J. 45:32-35. Jan.1953. 4 Am34P

32343 ANDREW, R. H. Two new Wisconsin sweet corn hybrids. Canner 116(7):14-16. Feb.14,1953. 286.83 C16

32344 ANSELMI LAUKIN, M. S. Es necesaria la creación de un instituto para el estudio de la papa. Mensajero Agr. 77:26. (Cont.) Oct./Nov.1952. 9.8 M52
Peru.

32345 AYALON, A. The future of vegetable growing in Israel. (In Hebrew.) Hassadeh 33:80-83. (Concl.) Nov.1952. 26 H27

32346 BARBIELLINI, A. A. In describing the useful chicories (endive) we discover the very useful lettuce. (In Portuguese.) Chacaras e Quintais 86:795-797. Dec.15,1952. 9.2 C34

32347 BOURN, N. The Hopkins plan is going to be extended. Grower [London] 39:235-236. Jan.31,1953. 286.83 M34
Mushroom culture.

32348 BRANDT, H. Höhere kartoffelerträge durch pflanzgutwechsel. Landwirt. Wchnbl. 143:155-156. Feb.7,1953. 18 L2338
Germany.

32349 BRIDGER, R. Carrots a profitable speciality. Farmer [Bridgwater] 7(2):34. Winter 1952. 10 F2282
Includes culture.

32350 BRUST, J. H. Results of the test field in the Noordostpolder. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden. en Aardappelpootgoed. Meded. 9:2-10. May 1952. 61.9 N28
Seed potatoes.
Includes discussion.

32351 BURGOS PEÑA, P. La producción nacional de patata de siembra. ASPAS 4:3-5. 1952. 75.8 As6

32352 CALIFORNIA SEED POTATO CERTIFICATION SERV. 1952 season final report. n.p.,1952. 30 p. 75.9 C122S

32353 CAREW, J., and WIEBE, J. Newer vegetable varieties for 1953. N. Y. Agr. Col. Cornell Ext. B. 880, 8 p. Jan.1953. 275.29 N48E

32354 CHILDS, W. H. Cover your lettuce plants! W. Va. Agr. Expt. Sta. B. 357(2):4,16. Dec.1952. 100 W52
Frost protection.

32355 DARKE, J. The propagating period. Tomato & Cucumber Mktg. Bd. J. 2:15-18. Jan.1953. 280.3919 T591

32356 DAVIÐSSON, I. Some vegetables. (In Icelandic) Garðyrkjufélag Íslands. Ársrit 1952:33-37. 86 Is4

32357 DOURIN, L. L'avenir de la production des légumes et fruits primeurs en Algérie. Rev. Agr. de l'Afrique du Nord 50:860-863. Nov.28,1952. 80 R326

32358 DYVERDON, C. Exploitation d'une champignonnière. Cour. Hort. 14:663-665. Dec.1952. 80 C834

32359 ELTER, L. Les tomates. Cour. Hort. 14:665-666. Dec.1952. 80 C834

32360 EMILSSON, B. Value of potatoes as seed. (In Swedish.) Lantmannen 37:126,129. Feb.7,1953. 11 L234

32361 FLORIDA. UNIVERSITY. COLLEGE OF AGRICUTURE. AGRICULTURAL EXTENSION SERV. Eggplant production guide. Fla. Agr. Col. C. 109,6 p.-folder. Sept. 1952. 275.29 F66C

32362 GARZIA, A. Cultivation of early potatoes in the Commune of Pozzuoli. (In Italian.) Frutticolt. Campana 2(11):3. Nov.25,1952. 80 F9474

32363 GORDON, J. M. The problem of the pumpkin-rind watermelon. J. Hered. 43:252. Sept./Oct.1952. 442.8 Am3

32364 GRECIA, A. H. There is money in rice pilapils. Agr. & Indus. Life 14(12):12,54. Dec.1952. 25 Ag8
Planting beans or other crops after the rice planting season is over in the Philippines.

32365 GROSZMANN, H. M. Some new vegetable varieties. Queensland Fruit & Veg. News 2(52):13-14. Nov.7,1952. 280.38 Q3

32366 GUALBA, C. Cómo acrecentar el rendimiento de un patatar. Cult. Mod. 35:448-449. Dec.1952. 15 C89

32367 HAMBROUCK, K. Horticultural seed. (In Flemish.) Cult. en Handel 19:51-52. Jan.1953. 80 C892
Growing vegetable seeds.

32368 HAMBROUCK, K. Tasty melons. (In Flemish.) Cult. en Handel 19:49-50. Jan.1953. 80 C892
Culture.

32369 HELLBO, E. Seed culture requires attention. (In Swedish.) Lantmannen 37:57-58. Jan.17,1953. 11 L234
Potatoes.

32370 HOME GROWN THRESHED PEAS JOINT COMMITTEE. Eighth annual report, 1951-52. London,1952. 16 p. 60.39 H75

32371 HÖPPNER, E., and GEIDEL, H. Zur frage der ertragreichsten sorten; ertragsergebnisse amtlicher kartoffelprüfungen 1951 und 1952. Kartoffelwirtschaft 5:488-490. Dec.13,1952. 286.83 K13
Germany.

32372 HOWIE, A. Carrot growing in the Moray Firth area. Scot. Agr. 32:132-134. Winter 1952/53. 10 Sco82Sc

32373 JUAREZ GALIANO, L. Metodos de sembrio, cultivo y efectos del aporque en los rendimientos del camote. Agronomia [Lima] 17(72):103-106. Oct./Dec. 1952. 9.8 Ag83

32374 KLOEN, D. Growing annual beet seeds. (In Dutch.) Nieuwe Veldbode 19:355-356. Jan.29,1953. 12 V542N

32375 KRENZLIN, A., and GUNTHER, R. Die landwirtschaftsgeographische struktur des südlichen Oderbruchs unter besonderer berücksichtigung des gemüsebaus im Gorgaster Bezirk. Deut. Inst. f. Länderk. Wiss. Veröffentl. (n.s.)11:49-119. Ref. 1952. 474 L532

32376 KRISPIN, S. Mutual grafts between Marmande and Stoffert's Immune tomatoes. (In Hebrew.) Hassadeh 33:119-120. Nov.1952. 26 H27

32377 KUPPERS, G. A. Intensivanbau von topinambur. Deut. Landwirt.-Gesell. Mitt. 67:998-999. Dec.25, 1952 18 N39

32378 MAINE. AGRICULTURAL EXPERIMENT STATION. Potato tax research. Maine. Agr. Expt. Sta. Misc. P. 621,15 p. Jan.1953. 100 M28C
Projects for which Potato Tax funds are used.

32379 MASTENBROEK, C. Potato varieties of the future. (In Dutch.) Nieuwe Veldbode 19:270-271. Dec.24/31,1952. 12 V542N

32380 MENEZES, O. B. DE., ARRUDA, N. B. DE, and NUNES, W. DE O. Melhoramento da batata doce (Ipomea batatas (L.) Lam.)—ciclo vegetativo [Improvement of sweetpotato (Ipomea batatas (L.) Lam.)—vegetative cycle]. Brazil. Inst. de Ecol. e Expt. Agr. B. 10, 41 p. Ref. 1952. 102.5 R474
English summary.

32381 MENIS, Y. The sowing of onion setts (shallots). (In Hebrew.) Hassadeh 33:88-90. Nov.1952. 26 H27

32382 MINGUZZI, L. Winter defense and protection of vegetables. (In Italian.) Humus 8(10):30-31. Oct. 1952. 16 H88
Culture.

32383 MOELLER, S. Planning the 1952-53 crop of onions. (In Hebrew.) Hassadeh 33:86-87. Nov.1952. 26 H27

32384 MOHR, H. C., and CAIN, R. F. Pickling cucumber variety trials at College Station, 1950-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1514,3 p. Dec.4,1952. 100 T31P

32385 MOORE, J. F., and ALLMENDINGER, D. F. Variety and cultural studies with green sprouting broccoli in western Washington. Wash. Agr. Expt. Sta. B. 539,14 p. Dec.1952. 100 W27E

32386 MURPHY, B. C., and MOORE, E. L. Tests compare ten varieties of sweet corn. Miss. Farm Res. [Miss. Sta.] 15(12):1,7. Dec.1952. 100 M69Mi

32387 NÈGRE, J. Aveyron: monographie du département concernant spécialement la pomme de terre. Pomme de Terre Franç. 16(161):3-14. Jan.1953. 75.8 P77

32388 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Landbouwstambonen [Kidney beans] 1952. Ber. over Rassenkeuze 126,4 p. 1952. 64.9 W12

32389 NICOLAISEN, N. Anbau der kohlarten. Fruchtbare Erde 10,63 p. 1952. 80 F9429

32390 NIELSEN, K. F., CARPENTER, P. N., and AKELEY, R. V. Potato variety trial results. Maine. Agr. Expt. Sta. Mimeog. Rpt. 34,9 p. Jan.1953. 100 M28M

32391 NISSLEY, C. H. Testing hybrid onions. N. J. State Hort. Soc. Hort. News 34:2578,2597. Jan.1953. 81 N46

32392 OPPENHEIMER, I. Vegetable growing in the North of the Negev. (In Hebrew.) Hassadeh 33:83-85. (Cont.) Nov.1952. 26 H27

32393 RASMUSSEN, C. R. Synthetic substratum in mushroom culture. (In Danish.) Gart.-Tid. 69:41-42. Jan.26,1953. 80 G192

32394 RAVEL, G. DE. Culture forcée du melon en Vaucluse. Rev. Hort. 124:772-775. (Cont.) Oct./Nov. 1952. 80 R32

32395 ROCHA GARCIA, G. DE LA. Cebolla: epoca de siembra combinado con los sistemas de siembra directa e indirecta. Agronomia [Lima] 17(72):107-109. Oct./Dec. 1952. 9.8 Ag83

32396 ROCHE. Ardéche: monographie du département concernant spécialement la pomme de terre. Pomme de Terre Franc. 15(160):3-18. Dec.1952. 75.8 P77

32397 ROWE, W. J. Cornish flowers. Land Agents' Soc. J. 51:538-539. Dec.1952. 282.9 L22
Broccoli industry.

32398 RUIGOMEZ, V. El cultivo de la patata en Guipúzcoa. ASPAS 4:10-11. 1952. 75.8 As6

32399 SARAZIN, A. The cultivated mushroom. 6. Development. MGA Bulletin 37:10-13. Jan.1953. 80 M97

32400 SCHRADER, O. L. Experiment in treatment of pumpkin seeds (Cucurbita pepo, L.). (In Portuguese.) Agronomia [Rio de Janeiro] 11:79-82. Jan./Mar.1952. 9.2 Ag892

32401 SECKMAN, M. C. Ventures with vegetables. Horticulture 31:49,70. Feb.1953. 80 H787

32402 SHOEMAKER, J. S. Vegetable growing. Ed. 2. New York,Wiley,1953. 515 p. 91.15 Sh7

32403 SMEDT, A. DE. Variety test of field tomatoes. (In Flemish.) Tuinbouwberichten 16:182-183,179. Dec. 15,1952. 80 T817

32404 TALLARICO, G. Fungi of Sila; the most nutritive substance that grows wild or is cultivated. (In Italian.) Mondo Agr. 4:3. Jan.4,1953. 16 M74

32405 TASKER, J. Rhubarb likes a murky atmosphere. Grower [London] 39:229,231. Jan.31,1953. 286.83 M34

32406 VERA BRAVO, M. El problema nacional de la papa. Agronomia [Lima] 17(72):133-141. Oct./Dec.1952. 9.8 Ag83

32407 WANDELER, C. DE., and CHALTIN, G. Pour augmenter la production au potager familial. Cour. Hort. 14:609-610. Nov.1952. 80 C834

32408 YOUNG, P. A. Yield and resistance to fruit cracking of tomato varieties in East Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1515,5 p. Dec.8,1952. 100 T31P

WEEDS AND POISONOUS PLANTS

32409 AAFTINK, E., and SCHIPSTRA, K. Weed control with DNC in winter grains. (In Dutch.) Boerderij 37(9):7. Nov.26,1952. 12 B63

32410 AAFTINK, E., and SCHIPSTRA, K. Weed control with DNC in winter grains. (In Dutch.) Drents Landbbl. 33(47):7. Nov.27,1952. 12 D812

32411 BEACH, G. O. Weed killers. Mod. Nutr. 5 (10):9-12. Oct./Nov.1952. 389.9 Am352

32412 BLOUCH, R. M. Grass herbicides in today's agricultural economy. Sci. Mon. 76:36-41. Ref. Jan. 1953. 470 Sci23

32413 BLÜMKE. Avena tuberosum, ein neues unkrautgras für Deutschland. Hannoversche Land- u. Forstwirt. Ztg. 106:12. Jan.3,1952. 18 H194

32414 BONAVENTURA, G. Observations on the weed seeds in wheat grown in Romagna. (In Italian.) Nuovo Gior. Bot. Ital. 58:407-414. 1951,pub.1952. 450 N92
English summary.

32415 BORDELEAU, R. L'éradication des mauvaises herbes dans les cultures de betteraves sucrières. (Sum.) Assoc. Canad.-Fraç. pour l'Avanc. des Sci. Ann. 18:63-65. 1952. 517 M76

32416 BOUFFIL, F., and JAUBERT, P. Methodes de lutte contre les Striga parasites du mil. Bambey Cent. de Rech. Agron. B. 6:47-53. 1952. 24 B21

32417 CAÑIZO, J. DEL. Las malas hierbas. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 17-52H,8 p. Sept.1952. 15 H68
Includes control.

32418 CARLSON, A. E. Weed and brush control with chemicals. Arborist's News 18:2-7. Jan.1953. 99.8 Ar14
Ammate and 2,4-D chiefly.

32419 CHEVALIER, A. Deux Composèes permettant de lutter contre l'Imperata et empêchant la degradation des sols tropicaux qu'il faudrait introduire rapidement en Afrique noire. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:494-496. Sept./Oct.1952. 26 R323
Eupatorium odoratum and Tithonia diversifolia.

32420 CHOUARD, P. Recherche préliminaire sur la marche de la dépression causée par les mauvaises herbes aux céréales, dans ses rapports avec l'époque et le choix des traitements herbicides. Acad. des Sci. Compt. Rend. 236:121-123. Jan.5,1953. 505 P21

32421 CMU—new weed-killing chemical. Farm Mangt. 2(3):74-75. Feb.1953. 281.8 F2225

32422 COHEN, G. The control of winter weeds in field crops. (In Hebrew.) Hassadeh 33:71-72. Nov.1952. 26 H27

32423 DESHPANDE, R. B. Pohli—an 'armed' enemy of the farmer. Indian Farming (n.s.)2(9):12-13. Dec. 1952. 22 In283
A spiny weed in field crops.

32424 DIETERLEN, G. Emploi de plantes ichthyotoxiques pour la peche chez les Dogon de Sanga. Notes Africaines 56:115-116. Oct.1952. 475 N84

32425 ENGE, G. Fallowing—effective weapon against quickweed. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12:84-86. 1952. 11 K12
Galinsoga.

32426 FERREIRA, L. A. Installation of an engineered contract for chemical weeding. Hawaii. Sugar Technol. Rpt. 1952:3-5. 65.9 H317

32427 FERTIG, S. N. '53 weed control in field crops. N. Y. Agr. Col. Cornell Ext. B. 821,rev.,6 p.-folder. Jan. 1953. 275.29 N48E

32428 FURBUSH, P. Control of medusa-head [Elymus caput-medusae] on California ranges. J. Forestry 51:118-121. Feb.1953. 99.8 F768

32429 GARESE, P. Herbicidas selectivos. Bolsa de Com. Rosario Rev. 40(983):7-8,10-14. Ref. Dec.31,1952. 287 R71

32430 GIBSON, J. W. Chemical weed control. Rio Grande Val. Hort. Inst. Proc. 7:48-54. 1953. 81 L95

32431 GREEN, K. R. The weed patch: smart weed or water pepper (Polygonum spp.). Milk Bd. J. 3(11):19. Nov.1952. 44.8 M5934

32432 GRIGSBY, B. H. Recommended practices in brush control. Mich. Forestry & Park Assoc. Annu. Mtg. 26:1-2. 1952. 99.9 M586
2,4-D, 2,4,5-T and ammonium sulfamate.

32433 HANSSEN, K. B. The bush encroachment cancer; serious menace to future of cattle industry in thornveld unless immediate steps taken to apply remedies available; latest control and eradication methods. Farmer's Wk. [Bloemfontein] 84:10-11,13. Jan.21,1953. 24 F225

32434 HANSSON, O. V. Weedkillers in the carrot bed. (In Icelandic.) Garðyrkjufélag Íslands. Ársrit 1952: 23-28. 86 Is4

32435 HELGESON, E. A., KRATOCHVIL, D. E., and WIDDIFIELD, R. B. Leafy spurge [Euphorbia esula] control. N. Dak. Agr. Col. Ext. C. A-178,6 p.-folder. June 1952. 275.29 N812Sa

32436 HELGESON, E. A., KRATOCHVIL, D. E., and WIDDIFIELD, R. B. Weed control with T.C.A. and M.C.P. N. Dak. Agr. Col. Ext. C. A-175,4 p.-folder. Apr.1952. 275.29 N812Sa

32437 HINKLE, D. A. Researchers offer more proof favoring herbicide. South. Seedsman 16(2):19,60. Feb. 1953. 61.8 So8

32438 HUGHES, C. E. Now you can win against brush. Country Gent. 123(2):40-41,112-113,115,117. Feb.1953. 6 C833
Herbicides and brush-clearing machines.

32439 HUGHES, D. W. Herbicide mixing plant at H.C.&S. Hawaii. Sugar Technol. Rpt. 1952:19-20. 65.9 H317

32440 HUNT, J. L. Weed control. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:77-78. 1951/52. 10.5 An7
Ireland.

32441 JENSEN, H. L., and PETERSEN, H. I. Decomposition of hormone herbicides by bacteria. Acta Agr. Scand. 2:215-231. Ref. 1952. 11 Ac82

32442 JOHNSON, F. S. Informe sobre investigaciones para el control químico de las malas hierbas en Venezuela. I. Agr. Mod. [New Orleans] 6(4):20-23. Nov.1952 6 Ag8

32443 JOHNSON, G. D. Spray away your weed problems. Successful Farming 51(2):40-41,108-109. Feb. 1953. 6 Su12
Chemical control in field crops.

32444 KAIMAL, K. N. Weeds and cover plants in rubber plantations. Indian Rubber Bd. B. 2:6-15. Jan./June 1952. 78.9 In22

32445 KENNADY, J. W. Chemical weed control. Rio Grande Val. Hort. Inst. Proc. 7:55-58. 1953. 81 L95

32446 LACOSTE, R. Halogeton. Rec. Stockman, Annu. Ed. 64:64-65. Jan.1,1953. 49 D43

32447 LING, L. El control de las malas hierbas con hormonas. Tierra [México] 7:766-769. Nov.1952. 8 T445

32448 LING, L. Hormonas herbicidas. Asoc. Gen. de Agr. B. 328:6,8. Nov.30,1952. 8 As52

32449 LING, L. Hormonas herbicidas. Mensajero Agr. 77:8-12,53. Oct./Nov.1952. 9.8 M52

32450 LIVINGSTON, G. A. Control of careless weeds in cantaloupe plantings. Rio Grande Val. Hort. Inst. Proc. 7:59-62. 1953. 81 L95

32451 LOUGHEED, A. W. Review of the use of agricultural chemicals. Farm Equip. Dealer 9:38,40,42-43. Jan.1953. 58.8 F2224
Herbicides.

32452 LOVVORN. R. L., and GILSTRAP, M. Evolution of a research program on weed control. Pub. Admin. Rev. 13:33-37. Winter 1953. 280.8 P964

32453 LUNDBERG, H. Clearing brush with airplanes. (In Swedish.) Skogen [Stockholm] 39:221-222,234. Nov.1, 1952. 99.8 Sk51
Spraying with hormone preparations.

32454 NIESER, O. Helminthia echioides Gaertn. (Picris echioides L.), natterkopfartiges wurmkraut. Saatgut-Wirt. 4:280. Dec.1952. 61.8 Sa1

32455 NUGENT, L. B. Public relations as it applies to roadside brush and weed control. Mich. Forestry & Park Assoc. Annu. Mtg. 26:4-6. 1952. 99.9 M586

32456 PAIXÃO, J. DA C. Contribution to the study of the application of herbicides in tropical regions. (In Portuguese.) Agronomia [Rio de Janeiro] 11:25-32. Ref. Jan./Mar.1952. 9.2 Ag892

32457 PIACCO, R. The introduction of Ottelia alismoides into Italy. (In Italian.) Riso 1(11):20-21. Dec. 1952. 59.8 R49

32458 PIQUARD, P. Quelques aspects du problème de l'herbe au bloc de l'arachide de Kaffrine. Bambey Cent. de Rech. Agron. B. 6:54-58. 1952. 24 B21

32459 PISTOR, W. J. Poisoning by pig weed or careless weed [Amaranthus palmeri]. Ariz. Cattlelog 7(11): 55-56. July 1952. 43.8 Ar42

32460 RADEMACHER, B. Erfahrungen über die fortentwicklung des gebrauchs herbizider wuchsstoffe. Gesunde Pflanzen 4:281-286. Nov.1952. 464.8 G33

32461 RAMIREZ S., A. Tres años de experiencias en el control de las malezas del trigo. Chile. Dir. Gen. de Agr. Agr. Tec. 11:119-132. Dec.1951. 464.9 C432B
English summary.

32462 REA, H. E. Control of weed and grass seedlings in old cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1511, 2 p. Dec.2,1952. 100 T31P

32463 REA, H. E. Post-emergence effects of N-1-naphthyl phthalamic acid and its derviatives on cotton and certain weeds. Tex. Agr. Expt. Sta. Prog. Rpt. 1517,2 p. Dec.12,1952. 100 T31P

32464 RICHTER, W. Erfahrungen mit wuchsstoffhaltigen mitteln bei unkrautbekampfungsversuchen auf weiden. Grünland 1:83-85. Nov.1952. 18 G922

32465 RIEPMA, P. Border area injuries and selectivity in chemical weed control. (In Dutch.) Landbk. Tijdschr. 64:387-393. Ref. June 1952. 105.2 Or3

32466 ROBERTS, W. W., and HEMPHILL, D. D. Weed control in horticultural crops. 1. Chemical weed control in strawberries. Mo. Agr. Expt. Sta. Res. B. 491,33 p. Ref. Mar.1952. 100 M693

32467 ROSBACO, A. M. M. DE. Influencia de las malezas en el rendimiento del lino en Entre Rios (problema No. 711). Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):14-15. Oct.1952. 9 Id3

32468 RUSSCHEN. Weed control in the United States. (In Dutch.) Groninger Landbbl. 30(43):4,13. Oct.30,1952. 12 G892

32469 RUSSCHEN. Weed control in the United States. (In Dutch.) Landbode 6(44):15-16. Nov.6,1952. 12 L234

32470 SAPTHARISHI, K., and AZARIAH, M. D. Weed control by chemicals trails with extra "A" (Sandoz). Madras Agr. J. 39:621-622. Dec.1952. 22 M262

32471 SCHMIDT, H. Zur entwicklung der chemischen unkrautbekämpfungsmittel. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:187-196. Ref. Oct.1952. 464.9 N11

32472 SCRAGG, E. B. Selective weedkillers; recent developments. Scot. Agr. 32:124-131. Winter 1952/53. 10 Sco82So

32473 SMITH, E. A. Weed control at Onomea. Hawaii. Sugar Technol. Rpt. 1952:15-17. 65.9 H317

32474 SMITH, N. G. What good are weeds? Farmer [Bridgwater] 7(2):39-40. Winter 1952. 10 F2282

32475 SOUTH DAKOTA. STATE COLLEGE OF AGRICULTURE. EXTENSION SERV. Chemical weed control recommendations. S. Dak. State Col. Agr. Ext. L. 142, 4 p. June 1952. 275.29 So85E

32476 STAMPER, E. R., and CHILTON, S. J. P. Weed control in sugarcane. Sugar B. 31:147,153-155. Feb.1,1953. 65.9 Am32

32477 STENBERG, J. N. Experiences in transmission spraying. Mich. Forestry & Park Assoc. Annu. Mtg. 26:2-4. 1952. 99.9 M586

32478 STREGE, B. Chemicals prove effective in brush control. Lumberman 80(2):58-59,106. Feb.1953. 99.81 W52

32479 TOMASELLI, R. Second series of experiments for the control of Ranunculus infesting the meadows of Pavia. (In Portuguese.) Melhoramento 5:85-93. 1952. 105.7 M48
English summary.

32480 TREVETT, M. F., and CUNNINGHAM, C. E. A guide for the use of chemical weed killers. Maine. Agr. Expt. Sta. Mimeog. Rpt. 32,16 p. Jan.1953. 100 M28M

32481 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The latest on weed control, by W. C. Shaw, A. O. Kuhn, and K. M. Gapen. Washington,Jan.31, 1953. 3 p. 1.914 R2R11

32482 VERDEJO VIVAS, C. Herbicidas. Ion 12:587-594. Nov.1952. 385 Io6

32483 WEST, E. Perizoma, a potential weed pest. Fla. Agr. Expt. Sta. C. S-54,4 p. Dec.1952. 100 F66Ci
Perizoma rhomboidea.

MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)

32484 ACOSTA-SOLIS, M. Las fibras y lanas vegetales en el Ecuador. B. de Inform. Cient. Nac. 5:27-101. Ref. June/July 1952. 475 B633
Description of fiber plants.

32485 BAISTROCCHI, A. Possibilities of spreading the herb industry in Capitanata. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Sapont 34:492-495. Oct.15,1952. 308.8 R52

32486 BARTOLOME, R. Cacao. Philippine J. Agr. 16:1-50. Ref. 1951,pub.1952. 25 P543

32487 BAYER, G. Ist die zyper—erdmandel [Cyperus esculentus] anbauwürdig? Bebauet die Erde 22:76. Oct. 1952. 18 B38

32488 BÉKÉSY, M. Die landwirtschaftlichen und industriellen probleme der parasitischen mutterkornkultur. Acta Agron. [Budapest] 2:125-130. 1952. 19 Ac8
English summary.

32489 BEN-EZER, B. Our thornless prickly pear. (In Hebrew.) Hassadeh 33:122-123. Nov.1952. 26 H27

32490 BÜTTNER, Heckensträucher, die als einfriedigung und als bienentrachtpflanzen besonders geeignet sind. Nordwestdeut. Imkerztg. 5:17-19. Jan. 1953. 424.8 N753

32491 CASTRO, C. El cultivo de la yuca. Rev. Nac. de Agr. 46(571):11-18. Nov.1952. 9.4 R32

32492 CASTRONOVO, A. Ensayos culturales con ajo en la región de Buenos Aires. II. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(57):21-24. Sept.1952. 9 Id3

32493 CHAVENCY, A. L'abrasin en Indo-Chine. Agron. Trop. [Nogent-sur-Marne] 7:567-588. (Concl.) Ref. Nov./Dec.1952. 26 Ag86
Culture and the state of the industry in the world.

32494 COWGILL, W. H. Algunos problemas del cultivo del café en las Américas y posibilidades para resolverlos. Rev. del Café 8(5):15-17. Dec.1952. 8 R3295

32495 CUTSHALL, A. Philippine rubber plantations. Econ. Bot. 7:86-88. Jan./Mar.1953. 450 Ec7

32496 DEVITT, A. B. Maggots, ulcers, and herbs. Herb Grower Mag. 7:14-23. Jan./Mar.1953. 80 Am316

32497 EDEN, T. The culture of the tea bush. Planter's Chron. 47:625-627. Dec.1,1952. 22 P693

32498 FUTTERKNECHT HNOS. Como sembrar cafe; el café una producción futura de la región de Tingo María. Hoja Agr. 15(5):1-3. Sept./Oct.1952. 9.8 H68

32499 GARCÍA, C. El semillero es el punto básico de partida para obtener un buen cafeto. Café de Nicaragua 8(96/97):18-20. Nov./Dec.1952. 68.28 C114

32500 GRIEBL, H. Kugeldistelsamen—gratis! Osterr. Imker 2:216-217. Dec.1952. 424.8 Os7

32501 GROHOVAC, S. The reed Arundo donax and prospects for its culture in near future. (In Serbo-Croatian.) Biljna Proizvodnja 4:205-209. Ref. Sept./Oct.1951 64.8 B49

32502 HARA, H. On useful Chenopodium in Japan. (In Japanese.) Res. Inst. Nat. Resources. Misc. Rpt. 26:67-71. Ref. June 1952. 513 T57225
English summary.

32503 HARRISON, S. G. Notes on the Dahlia as an economic plant, especially as a source of sugars. Roy. Hort. Soc. J. 78:61-63. Feb.1953. 84 L84J

32504 HERBALIST almanac, 1953. Hammond,Ind., 1952. 64 p. 396.8 H41

32505 HUTTEL, W., and HUTTEL, N. Formulaire Djèdje. Acta Trop. 9:345-356. 1952. 475 Ac8
Drug plants of Africa.

32506 JENSEN, G. H. Danish honey plants. (In Danish.) Nord. Bitidskr. 4:92-94. 1952. 424.8 N752

32507 JUNI, R. A. The development of the Philippine Cinchona industry. Forestry Leaves 5(4):16-17. Oct. 1952. 99.8 P532

32508 KAPOOR, L. D., HANDA, K. L., and CHOPRA, I. C. Cultivation of Atropa acuminata Royle ex Lindley. J. Sci. & Indus. Res. 11A:534-537. Dec.1952. 475 J82

32509 KARDEL, H. E. Lemongrass [Cymbopogon citratus]. Indian Farming (n.s.)2(9):16-18,31. Dec.1952. 22 In283

32510 KRUG, C. A. New factors in coffee production. Coffee & Tea Indus. 76:20,29-30. Jan.1953. 389.8 Sp4

32511 LAGOS U., J. A. La chayotera. Agr. Costarricense 10:289-292. Dec.1952. 8 Ag895

32512 LAGOS U., J. A. Cultivo moderno de la yuca. Agr. Costarricense 10:255-257. (Cont.) Nov. 1952. 8 Ag895

32513 LEWIN, M. Desert plants in Israel as potential sources of cellulose. Israel Export J. 4(11):7,10. Nov.1952. 286.8 Is7

32514 LUNA ERCILLA, C. A. El caroa, planta autoctona textil del continente americano. Argentina. Dir. Gen. de Fomento Agr. B de Prod. y Fomento Agr. 4(32):12-15. Feb.1952. 9 Ar35
Neoglaziovia variegata.

32515 LUNA ERCILLA, C. A. La sida o afata es una malvacea textil con posibilidades industriales. Argentina. Dir. Gen. de Fomento Agr. B de Prod. y Fomento Agr. 4(33):45-48. Mar.1952. 9 Ar35
Sida rhombifolia.

32516 MAKAROVA, A. I. Feed supply base for apiculture and measures for improving it. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.131-145. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89
Honey plants.

32517 MARTIN LYNCH, A. Breves notas sobre el cultivo de la coca. Agronomia [Lima] 17(72):77-80. Oct./Dec.1952. 9.8 Ag83

32518 MEL'NICHENKO, A. N. In regard to controlling the blooming of agricultural plants—honey-yielding plants, in order to increase seed productivity and honey production. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.81-94. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89
Chiefly on dates of planting.

32519 MUDALIAR, C. R., and KAMATH, H. S. Distribution of Rhizophora mucronata, Lam., in the "back-water" of the West Coast and its economic importance. Madras Agr. J. 39:610-615. Ref. Dec.1952. 22 M262

32520 MUENSCHER, W. C. Herb recollections. II. Herb Grower Mag. 7:10-11. Jan./Mar.1953. 80 Am316
Chenopodium bonus-henricus.

32521 MÜLLER-HESTER, H. Ausgewählte kapitel zur geschichte der heilpflanzen. Apoth. Ztg. 4:220-222. (Cont.) Nov.1952. 396.8 Ap4

32522 OS, F. H. L. VAN. The Belgian experiment station for drug plants at Lessines. (In Dutch.) Herba 11: 80. Sept.1952. 71.8 H412

32523 PELLETT, M. Honey plants for gardens. Amer. Bee J. 93:73-74. Feb.1953. 424.8 Am3

32524 PELLET, M. Our wild pollinators need more plants. Org. Farmer 4(6):29,54,56,58-59. Jan.1953. 57.8 Or3
Need for honey plants before and after honey flow from crop plants.

32525 PIACCO, R. Crops irrigated by submersion: cultivation of streambank sedge (Carex riparia). (In Italian.) Genio Rur. 15:694-696. Dec.1952. 281.8 R522

32526 PISETZKY, F. M. Plantas para provocar la fecundidad en personas estériles y ancianos. Mensajero Agr. 77:31-32. Oct./Nov.1952. 9.8 M52

32527 PRÉAUD, R. La recherche agronomique et les oléagineux tropicaux. Oléagineux 8:1-7. Jan.1953. 77.8 OL2
African oilpalm and peanuts.

32528 QUIMBY, M. W. Ammi visnaga Lam.—a medicinal plant. Econ. Bot. 7:89-92. Jan./Mar.1953. 450 Ec7

32529 RAYMOND-HAMET. L'Alchornea floribunda Müller Arg. ou niando. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:427-442. Ref. Sept./Oct.1952. 26 R323
Includes uses of the drug from it.

32530 RECALDE, A. Cultivo de la belladona. Cult. Mod. 35:365. Oct.1952. 15 C89

32531 SILVA, P. Aktuelles aus dem kakaobau im Staate Bahia. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:15. 1952. 68.39 H17

32532 SLUIS, K. J. H. VAN. Drug plant cultivation in the Netherlands. World Crops 5:65-67. Feb.1953. 281.8 W892

32533 SOLIS BOLAÑOS, C. La ipecacuana ("raicilla"). Agr. Costarricense 10:280-282. Dec.1952. 8 Ag895

32534 STAGER, R. Herbstliche pollen- und nektarspender für unsere honigbiene. Schweiz. Bienen-Ztg. 75: 492. Nov.1952. 424.8 Sch9

32535 STARY, F. Contribution to the pharmacobotanical investigation of the most important medicinal herbs of the family Solanaceae. (In Czech.) Česposlov. Akad. Zemedel. Sborn. 25:333-342. Oct.1952. 19.5 C332C
English summary.

32536 STEINERT, H. Fixativ und eiscreme aus algen und tangen. Orion 7:811-815. Oct.1952. 474 Or4

32537 STELLING, O. Uber kakaokeime. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:18-19. 1952. 68.39 H17

32538 SUÁREZ M., N. El cafeto (prácticas culturales más recomendables). Bolivia. Serv. Agr. Interamer. Div. de Ext. Agr. C. de Ext. 5,5 p. 1952. 275.249 B63

32539 ŠUPERL, A. The successes in cultivation with lakao. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 4:167. July/Aug.1952. 21.5 Sa1
Rhamnus.

32540 TESTA, J. Scientific coffee culture in Brazil. (In Portuguese.) Lav. e Criação 7(43):7-9. Oct.1952. 49 L392

32541 VAILAEYS, G. Le bouturage du cacaoyer. Cour. Agr. 17(20):1-2,4. Oct.8,1952. 24 C83

32542 VAUGHAN, R. B. More on the genus Strychnos. (In Portuguese.) Chacaras e Quintais 86:828. Dec.15, 1952. 9.2 C34

32543 VINK, A. P. A. Research station and rationalization. (In Dutch.) Bergcultures 21:515-517,519. Dec. 16,1952. 22.5 B45
Tea in Indonesia.

32544 YOUNGKEN, H. W. Studies on Veratrum. II. Veratrum eschscholtzii A. Gray; observations on seed germination and early growth of seedlings of Veratrum species. Amer. Pharm. Assoc. J. Sci. Ed. 42:39-45. Ref. Jan.1953. 396.9 Am33J

32545 ZAGOR, M. The thornless prickly pear in Israel. (In Hebrew.) Hassadeh 33:122. Nov.1952. 26 H27

SOILS AND FERTILIZERS

SOIL SCIENCE

32546 BOUYER, S. La Station Experimentale de m'Pesoba et sa zone d'influence dans le Soudan Meridional; étude agrologique. Bambey Cent. de Rech. Agron. B. 6:7-37. 1952. 24 B21

32547 COULTAS, C. L., and MCCRACKEN, R. J. Properties of soils of the outwash terraces of Wisconsin age in Iowa. Iowa Acad. Sci. Proc. 59:233-247. 1952. 500 Io93

32548 WISWESSER. Beratung und bodenuntersuchung. Bad. Landwirt. Wchnbl. 120:51. Jan.10,1953. 18 B142

Soil Physics

32549 BONILLA G., E. Estudio de la distribucion vertical de la humedad relativa, de la temperatura del aire y del suelo en una plantación de cafe. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 3(34):19-37. Oct.1952. 68.29 C332

32550 CORNELIUS. Synthetische krümelbildner. Wasser u. Boden 4:338-339. Nov.1952. 56.8 W28

32551 CRAEMER, H. A remark on the critical boundary pressure in soil mechanics. Acta Tech. 5:389-392. 1952. 475 Ac84

32552 DAVIS, J. F., and FRENCH, G. N. An organic soil sampler with telescoping handle. Mich. Agr. Expt. Sta. Q. B. 35:170-174. Nov.1952. 100 M58S

32553 DECKER, G. J. Application of the soil moisture characteristic curve. Agr. Engin. 34:96-97,102. Feb.1953. 58.8 Ag83

32554 DE PLATER, C. A radio frequency soil moisture meter. Austral. Inst. Agr. Sci. J. 18:224-225. Dec.1952. 23 Au74

32555 DIEBOLD, C. H., and ROMINE, D. S. Cooperative soil studies. Colo. Farm & Home Res. [Colo. Sta.] 3(4):6-7. Nov./Dec.1952. 100 C712Co
Soil permeability and water runoff.

32556 DIEBOLD, C. H. Rapid methods for estimating readily available moisture and bulk density of medium- to fine-textured soils. Agron. J. 45:36-37. Jan.1953. 4 Am34P

32557 DONEEN, L. D., and HENDERSON, D. W. Compaction of irrigated soils by tractors. Agr. Engin. 34: 94-95,102. Feb.1953. 58.8 Ag83

32558 GOLDSMITH, M. Nuevo abono sintetico: krilium. Peru. Dir. Gen. de Com. Inform. Com. 3(27):4-5. Mar.1952. 286.9 P432

32559 HENDERSON, S. M. Moisture content determinations. Agr. Engin. 34:108,110,124. Ref. Feb.1953. 58.8 Ag83

32560 HENIN, S., and DESMORAS, J. Mode d'action de certains polyacrylates sur la structure du sol. Acad. des Sci. Compt. Rend. 236:117-119. Jan.5,1953. 505 P21

32561 HITCHINS, P. E. N. Soil temperatures. Com. Grower 2979:193-194. Jan.29,1953. 80 F941

32562 KÄMPF, R. Untersuchungen über die strukturwandlungen der ackerkrume bei lösslehmböden. Z. f. Acker— u. Pflanzenbu 95:303-330. Ref. Oct.1952. 18 J825

32563 MARIMPIETRI, L. Structure and settlement of the soil. (In Italian.) Ricerca Sci. 22(4,sup.A):47-51. 1952. 475 It1
English summary.

32564 MILLER, W. M. A pressure-distribution panel for soil moisture investigations. Agr. Engin. 34:104,106. Feb.1953. 58.8 Ag83

32565 MY, P. Le krilium, conditionneur du sol. Chambre d'Agr. de Casablanca. B. 23(260):5-7,9. Dec. 1952. 24 C26

32566 NEUBAUER, H. F. Notizen über die temperatur der bodenoberfläche in Afghanistan. Wetter u. Leben 4:165-168. Dec.1952. 340.8 W53

32567 REMUS, J. Technique nouvelle dans l'étude des sols; la sonde extensométrique. Agriculture [Paris] 16:291-294. Dec.1952. 14 Ag823

32568 RODE, A. A. Pochvennaia vlaga [Soil moisture]. Moskva, Akademiîa Nauk SSSR, 1952. 455 p. 56.43 R61

32569 SLATER, C. S. Soil conditioners in soil conservation. Agr. Engin. 34:98,100,102. Feb.1953. 58.8 Ag83

32570 TALAFANTOVÁ, A. Dynamics of soil moisture in different plants of the south Moravian region in the year 1950. (In Czech.) Ceskoslov. Akad. Zemédél. Sborn. Rada B 25:1-13. Aug.1952. 19.5 C332Ca
Comments by V. Novák, p. 13-14, and J. Simon, p.19-22.

32571 TJAGLO, G., and NAJMR, S. Bodenkundliche forschungen im gebiete des Travopolnaja systems. 1. Das studium der wurzelsysteme der luzerne und des klees im gemenge mit kulturgräsern. (In Czech.) Ceskoslov. Akad. Zemédél. Sborn. Rada B 25:23-45. Aug.1952. 19.5 C332Ca
Germany summary.
Comment by V. Kosil, p. 46-48.

32572 TOLNER, J. Soil fertility and krilium. VI. (In Dutch.) Nieuwe Veldbode 19:129-131. Nov.13,1952. 12 V542N

32573 WOODWARD, G. O., and MILLER, W. M. A study of soil-water movement by electroosmosis. Agr. Engin. 34:29-33. Ref. Jan.1953. 58.8 Ag83

32574 YAMADA, B. Study on the effect of the soil compaction. II. On the physical properties of the sand mass of its compaction. (In Japanese.) Utsunomiya U. Col. Agr. B. 1:406-435. (Cont.) Mar.1952. 107.6 Ut7B
English summary.

Soil Chemistry and Mineralogy

32575 ALEIXANDRE, V. Métodos físicos empleados en el estudio de las arcillas. II. Ion 12:459-465. Sept. 1952. 385 Io6
English summary.

32576 ALVES, J. A., and ALVES, E. L. N. Determination of nitrogen in the soil by the Kjeldahl macro-method. (In Portuguese.) Melhoramento 5:77-83. 1952. 105.7 M48
English summary.

32577 ARTAMONOV, K., and GROT, A. Utilization of saline soils in hydrotechnical construction. (In Russian.) Khlopkovodstvo 9:63-66. Sept.1952. 72.8 K522

32578 AYRES, A. S., and HAGIHARA, H. H. Effect of the anion on the sorption of potassium by some humic and hydrol humic latosols. Soil Sci. 75:1-17. Ref. Jan.1953. 56.8 So3
Sugarcane soils in Hawaii.

32579 BAKER, G. O. Phosphate relationships in calcareous soils. Pacific Nowest. Fert. Conf. Proc. 3: 66-71. 1952. 57.9 P11

32580 BAUR, K. Behavior of phosphorus in acid soils. Pacific Nowest. Fert. Conf. Proc. 3:72-74. 1952. 57.9 P11

32581 BLANCO MACIAS, G. La acidez y la alcalinidad de los suelos. Tierra [México] 7:820-822,855. Dec.1952. 8 T445

32582 CAMERON, A. E. Soil acidity; spray watering and sulphate of ammonia effects on normally alkaline soils. Citrus News 27:162. Nov.1952. 80 C494

32583 CANDELA MARTINEZ, M. I. El metodo del Aspergillus niger para la determinacion de elementos en suelos. 1. Puesta a punto del metodo para determinaciones de magnesio. Microbiol. Españ. 5:63-83. Ref. Jan./June 1952. 448.3 M583
English summary.

32584 CHENG, K. L., MELSTED, S. W., and BRAY, R. H. Removing interfering metals in the versenate determination of calcium and magnesium. Soil Sci. 75: 37-40. Jan.1953. 56.8 So3

32585 COLLIER, D. Application de la fusion au bisulfate à certaines recherches pédologiques. Acad. des Sci. Compt. Rend. 236:321-323. Jan.19,1953. 505 P21

32586 COPPENET, M., and JOLIVET, E. Détection de graves carences en cuivre dans les terres très humifères du centre de la Bretagne. Acad. d'Agr. de France. Compt. Rend. 38:691-693. Nov.19/26,1952. 14 P215Bc

32587 DANIELL, R. E. Ground water quality in Lower Rio Grande Valley, Texas. Rio Grande Val. Hort. Inst. Proc. 7:7-11. 1953. 81 L95

32588 DAVILA N., D. Estado químico de los suelos de la hoya alta del Rio Bogota. I. Agr. Trop. 8(11):57-60. (Cont.) Nov.1952. 26 Ag8

32589 DAVILA N., D. Estado químico de los suelos de la hoya alta del Rio Bogota II. Agr. Trop. 8(12):45-50. Dec.1952. 26 Ag8

32590 DEMOLON, A., BOISCHOT, P., and LAJON, J. Influence des sels présents dans les engrais composés sur la concentration en P_2O_5 des solutions du sol. Acad. des Sci. Compt. Rend. 236:25-28. Jan.5,1953. 505 P21

32591 GAINZA BOTTERI, E. Interpretación de los análisis químico y fisiológico por el sistema de las unidades Baule. Agronomía [Lima] 17(72):53-62. Oct./Dec 1952. 9.8 Ag83
For soil analysis.

32592 GRILL, F., and WOHLMUTH, N. Eine kolorimetrische schnellmethode zur bestimmung des kaligehaltes von lösungen und bodenauszügen. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:244-245. Nov.1952. 105.9 K696
English summary.

32593 HERMIDA, E. V. Solubilidad del fosforo en suelos del Uruguay y en rocas fosfatadas. Arch. Fitotéc. del Uruguay 5:99-109. Ref. 1952. 102.5 Ur8A
English summary, p. 174.

32594 HISSINK, D. J. The lime content of the Dollard mud-deposits since 1545 and the rate of decalcification of successively reclaimed polders. (In Dutch.) Landbk. Tijdschr. 64:365-371. June 1952. 105.2 Or3
English summary.

32595 KHOLODNYI, N. G. Effect of volatile [organic] emanations from the soil on growth of plants. (In Russian.) Akad. Nauk SSSR. Dok. 86:1227-1229. Oct.21,1952. 511 P444A
Experiments with lupine and sunflower sprouts.

32596 KILBINGER, A. Der kohlenstoff ist immer im minimum. Ubersicht 3(7):41-45. July 1952. 18 Ub3
In soils.

32597 MACINTIRE, W. H., SHAW, W. M., and ROBINSON, B. Differential behavior of potassium metaphosphate and sulfate incorporations in soils. Soil Sci. 75:69-80. Ref. Jan.1953. 56.8 So3

32598 MALQUORI, A. Boron and soil. (In Italian.) Humus 8(10):9-10. Oct.1952. 16 H88

32599 MARTIN, G. Recherches sur l'humus. 3. Determination d'un indice de cuivre des extraits humiques. Acad. d'Agr. de France. Compt. Rend. 38:709-711. Nov.19/26,1952. 14 P215Bc

32600 MARTIN, W. E., VLAMIS, J., and QUICK, J. Effect of ammoniation on availability of phosphorus in superphosphates as indicated by plant response. Soil Sci. 75:41-49. Jan.1953. 56.8 So3

32601 MASCHHAUPT, J. G. Observations on the rate of decalcification of marine clay soils in the Netherlands. (In Dutch.) Landbk. Tijdschr. 64:372-377. June 1952. 105.2 Or3
English summary.

32602 NAUMANN, A. Ein einfaches gerät zur messung des pH-wertes. Umschau 52:590. Oct.1,1952. 474 Um7
Includes soils.

32603 OVINGTON, J. D. Studies of the development of woodland conditions under different trees. I. Soils pH. J. Ecol. 41:13-34. Ref. Jan.1953. 450 J829
Great Britain.

32604 PUUSTJARVI, V. The precipitation of iron in peat soils. Suomen Maataloustiet. Seura. Julkaisu. 78(1), 72 p. Ref. 1952. 20 Su7
Thesis (Ph. D.)—University of Helsinki.

32605 SCHAFER, G. M. Some characteristics of an alkali soil of the Missouri River bottomlands, Monona County, Iowa. Iowa Acad. Sci. Proc. 59:289-295. 1952. 500 Io93

32606 SCHOFIELD, R. K. Sea water threatens soil structure. Grower [London] 39:268. Feb.7,1953. 286.83 M34

32607 SILVEIRINHA, R. Soil reaction. (In Portuguese.) Vida Agr. 15(92):2. Nov./Dec.1952. 15.5 V66

32608 STAHLBERG, S. Some observations on potassium in soil. (In Swedish.) Växt-Närings-Nytt 8(9):48-50. 1952. 57.8 V47

32609 WIKLANDER, L., and NILSSON, E. Equilibria in ion exchange. II. Acta Agr. Scand. 2:197-209. 1952. 11 Ac82
Includes ion exchange in soils.

32610 WILSKA, S. Trace elements in Finnish ground and mine waters. Acad. Sci. Fenn. Ann. Ser. A. II. Chem. 46,76 p. Ref. 1952. 385 H362

32611 WINDERS, C. W. Sulphur deficiency in Australian soils. Austral. Inst. Agr. Sci. J. 18:231. Dec.1952. 23 Au74

32612 ZAFFANELLA, M. J. R. Nueva técnica rápida para la determinación turbidimétrica de potasio en suelos; segunda contribución. Arch. Fitotéc. del Uruguay 5:33-39. Ref. 1952. 102.5 Ur8A
English summary, p.172.

Soil Biology

32613 ALBRECHT, W. A. Legumes take nitrogen from air but need some from the soil. 5. Mo. Rur. 94(2): 8-9. Jan.24,1953. 6 R8891

32614 BALLU, T. La fertilité vivante du sol. Agr. Prat. 116:548. Nov.1952. 14 J82

32615 BARTH, L. Einfluss der düngung auf boden und bakterienleben. Bebauet die Frde 22:81. Nov./Dec. 1952. 18 B38

32616 EVANS, A. C. New facts about earthworms. Rur. Educ. B. 7:146-152. Nov.1952. 109 C162

32617 GOLEMBIOWSKA, J., and FALKOWSKI, M. The influence of manure on microflora and macroflora groups of peat meadows. (In Polish.) Rocz. Nauk Roln. 61:211-232. 1952. 20.5 R59
English summary.

32618 JACOBELLI, G. Utlisation de milieux de culture gélifiés par des substances pectiques. Acad. des Sci. Compt. Rend. 236:228-230. Jan.12,1953. 505 P21
Cultures for soil microorganisms.

32619 JANSSON, S. L. The small nitrogen cycle. A current problem concerning nitrogen conversion in the soil. (In Swedish.) Växt-Närings-Nytt 8(9):16-20. 1952. 57.8 V47

32620 JENSEN, H. L., and SÖRENSEN, H. The influence of some organic sulphur compounds and enzyme inhibitors on Nitrosomonas europaea. Acta Agr. Scand. 2:295-304. Ref. 1952. 11 Ac82
In soils.

32621 KLOKE, A. Der einfluss von pflanzenschutzmitteln auf boden und pflanze. (Abs.) Ausbild. u. Beratung in der Landwirt. 5:149. Nov.1952. 18 N11

32622 KRÜGER, W. Einfluss der bodenbearbeitung auf die tierwelt der felder (ein beitrag zur agrarökologie). Z. f. Acker— u. Pflanzenbau 95:261-302. Ref. Oct.1952. 18 J825

32623 LOCHHEAD, A. G., and BURTON, M. O. An essential bacterial growth factor produced by microbial synthesis. Canad. J. Bot. 31:7-22. Ref. Jan.1953. 470 C16C
Arthrobacter in soils.

32624 MIHELČIČ, F. Bodenzoologie, ihre bedeutung und ihre aufgaben. Attualitá Zool. 7:1-56 Ref. 1951. 410 Ar22A
English summary.

32625 RISI, J. La forêt au service de l'agriculture. 8. Action des bactéries du sol sur le bois. Forêt. Conserv. 18(10):7. Dec.1952. 99.8 F792

32626 SMITH, F. B. Action of microorganisms in the soil. (In Portuguese.) Fazenda 48:46. Jan.1953. 6 H11P

32627 STEVENSON, I. L., and LOCHHEAD, A. G. The use of a percolation technique in studying antibiotic production in soil. Canad. J. Bot. 31:23-27. Ref. Jan. 1953. 470 C16C

32628 TSCHAPEK, M., and GARBOSKY, A. J. Nuevos conceptos sobre la actividad del Azotobacter en el suelo. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(57):12-16. Ref. Sept.1952. 9 Id3

32629 VINOGRADSKIĬ, S. N. Mikrobiologiîa pochvy: problemy i metody [Soil microbiology; problems and methods]. Moskva,Akademiîa Nauk SSSR,1952. 792 p. 56.5 V77

Soil-Plant-Animal Relationships

32630 KISSER, J. Gesunder boden, gesunde pflanze. (Sum.) L u. E 5(11):12. Nov.1952. 389.8 Z34

Soil Genesis, Formation, Classification, and Mapping

32631 AMERYCKX, J. B. Bodemkaart van Belgie. Carte des sols de la Belgique. Verklarende tekst bij de kaartbladen. Texte explicatif des planchettes de Middelkerke 21, W & Oostende 21, E. Gent,1952. 44 p. 56.24 Am3

32632 BOTTINI, O. Notes for a soil map of Frosinone Province. (In Italian.) Humus 8(11):6-8. Nov.1952. 16 H88

32633 BREDEWOUT, J. W. Everyone's personal concern with soil mapping. IV. (In Dutch.) Overijsselsch Landbbl. 34(1681):15. Nov.20,1952. 12 Ov2

32634 BURNOTTE, J. L. Le sol de Luofu. B. de Doc. et de Tech. Agr. 6(20):25-31. Second Q.1952. 24 B873

32635 CAVAILLE, A. Observations sur la structure des sols de Tarn-et-Garonne. Tarn-et-Garonne Agr. 15:187-188. Nov.1952. 14 T17

32636 COLEMAN, C. S., and others. Soil survey, Culpeper County, Virginia. U. S. Bur. Plant Indus., Soils & Agr. Engin. Soil Survey 1941(3),126 p. Nov.1952. 1 So32F

32637 CROUZEL, F. Les affleurements des sables fauves en Aquitaine. Terre d'Oc 34:544-550. Dec.1952. 14 Ar5

32638 FEKETE, Z. Dynamics of Hungarian soil types. (In Russian.) Acta Agron. [Budapest] 2:1-40. Ref. 1952. 19 Ac8
English summary.

32639 FERGUSON, J. W. You can learn about soil—with a scorecard. Ohio Conserv. B. 16(12):20,29. Dec. 1952. 279.9 Ch330
Classification.

32640 FERNANDEZ DE LARA, G. A. Los suelos de zonas aridas y semiáridas; las caracteristicas y probabilidades. Tierra [México] 7:823-825,859-860. Dec.1952. 8 T445

32641 GORHAM, E. The development of the humus layer in some woodlands of the English lake district. J. Ecol. 41:123-152. Ref. Jan.1953. 450 J829

32642 KOVAČEVIĆ, P. Development of pedological cartography on the territory of the Croatian Peoples Republic. (In Serbo-Croatian.) Biljna Proizvodnja 4: 260-263. Ref. Nov./Dec.1951. 64.8 B49

32643 MATSUI, T., ICHIDA, Y., and KUWANO, Y. Investigation sur la formation de tourbe. (In Japanese.) Res. Inst. Nat. Resources. Misc. Rpt. 26:5-16. June 1952. 513 T57225
French summary.

32644 NOROÑA G., G. Aspectos generales de nuestros suelos agricolas. Consorcio de Cent. Agr. de Manabi. Rev. 12(72):22-26. Oct./Dec.1952. 9.5 M31
Ecuador.

32645 PELISEK, J. The podzol soils upon quartzite of the forest region of western Moravia in Czechoslovakia. (In Czech.) Vysoké Skoly Zemedél. a Lesn. Sborn. 2:97-114. 1952. 105.92 B833
English summary.

32646 SILVA. E. L. DA. Practical notes necessary to the organization of topographic maps. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(7):40-47. July 1952. 9.2 M663
Soil maps.

32647 TANIS, K. Preservation of soil profiles. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:449-454. Dec.1952. 12 N383M

32648 TEDROW, J. C. F., and MACCLINTOCK, P. Loess in New Jersey soil materials. Soil Sci. 75:19-29. Ref. Jan.1953. 56.8 So3

32649 TEDROW, J. C. F. Soil conditions in the Pine Barrens of New Jersey. Bartonia 26:28-35. Ref. Dec.22, 1952. 451 P532

32650 WŁOCZEWSKI, T. Gleby białowieskiego parku narodowego. Soils in the national park of Białowieza. Inst. Badawczy Leśn. Prace 83,40 p. 1952. 99.9 W26
English summary.

SOIL MANAGEMENT

32651 ALVES, J. A. Effect of culture of Vicia sativa L. var. obovata Ser. and Cicer arietinum L. on the structure of the soil. (In Portuguese.) Melhoramento 5: 95-108. Ref. 1952. 105.7 M48
English summary.

32652 BELMONDO, C. Protection of humus on sloping ground. (In Italian.) Ricerca Sci. 22(4,sup.A):209-210. 1952. 475 It1
English summary.

32653 BIRNBECK, S. Aufgaben und ziele der landeskulturarbeit. Landwirt. Wchnbl. 143:148. Feb.7,1953. 18 L2338
Soil management in Germany.

32654 BLASCH. Landmaschine und handelsdünger. Salzburger Bauer 7(45):1-2. Nov.6,1952. 19 Sa3
Soil management.

32655 BURGER, H. Bodenverbesserungsversuche. III. Schweiz. Anst. f. das Forstl. Versw. Mitt. 28:11-87. Ref. 1952. 99.9 Sch92

32656 CALZECCHI-ONESTI, A. Saddleback. (In Italian.) Gior. di Agr. 63:27. Jan.25,1953. 16 It1G
Soil management.

32657 CAMANGI, L. For a new policy of the water and of the mountains. (In Italian.) Ricerca Sci. 22(4,sup. A):11-14. 1952. 475 It1
English summary.
Soil management, including watersheds.

32658 CHIODI, A. At Paestum, reclamation brings back labor and life. (In Italian.) Agricoltura 1 (11):40-44. Nov.1952. 16 Ag8226

32659 CLEMARES MIRALLES, E. Mejoramiento de los suelos húmedos. Cult. Mod. 35:418. Nov.1952. 15 C89

32660 DÄNIKER, A. U. La protection des sols par l'aménagement des montagnes et des cours d'eau. Ricerca Sci. 22(4,sup.A):41-45. 1952. 475 It1
English summary.

32661 EWART, G. Y. Soil management in Kekaha. Hawaii. Sugar Technol. Rpt. 1952:26-29. 65.9 H317

32662 FREITAS, H. DE. Dry farming. (In Portuguese.) Lav. e Criação 7(43):51-52. Oct.1952. 49 L392

32663 FRESE, H., GADE, H. G., and MÜCKENHAUSEN, E. Studienreise nach USA zum studium von massnahmen zur erhaltung der bodenfruchtbarkeit; bericht über das ergebnis des projektes technische hilfeleistung Nr. 07—92. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. Ber. über Ergeb. des Programmes f. Tech. Hilfeleist. 18,146 p. 1952. 280.9 G317

32664 GHISLENI, P. L. Soil management in Albese. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:444-449. Nov 1952. 16 C72

32665 GOOR, C. P. VAN. Degradation and regeneration. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24: 307-309. Nov.1952. 99.8 N28
Of forest soils.

32666 GÜNTHART, A. Eine neue religion für bauern. Grüne 81:19-20. Jan.2,1953. 17 Sch9
Bio-dynamic farming.

32667 HARDY, E. Cultivation of arid zones; research and progress in the Near East. World Crops 5:59-62. Feb.1953. 281.8 W892

32668 HILLS, L. D. Progress of the pioneers. 3. Organic timber growing by the Forestry Commission and ranching in the Highlands. Farmer [Bridgwater] 7(2):29-30. Winter 1952. 10 F2282
Organic land reclamation in Scotland.

32669 JACKSON, N. An organic restoration. Org. Farmer 4(6):18-19,50,52-53. Jan.1953. 57.8 Or3

32670 JANSEN, J. J. M. On the regeneration of worn out forest soils. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:304-306. Nov.1952. 99.8 N28

32671 LIPKIND, I. The Vakash Soil and Land Improvement Station in U.S.S.R. Agr. Econ. 2(11):23. Oct. 1952. 281.8 Ag832
Soil management.

32672 MCCORMICK, J. A., and NAPHAN, E. A. Improving saline and alkali soils in Nevada. Nev. Agr. Expt. Sta. C. 1,11 p. Aug.1952. 100 N41S

32673 MCFARLANE, G. C. Soil-management practices on north-western wheat farms. Rev. Mktg. & Agr. Econ. 20:161-181. Sept.1952. 286.8 N47M
Australia.

32674 MEHRA, S. R. Scientific exploitation of soil. Irrig. & Power 9:110-116. Jan.1952. 55.9 In222C

32675 NĚMEC, A. The melioration of Podzol with hard-pan in the forest district of Zehrov by means of basalt powder. (In Czech.) Českoslov. Akad. Zeměděl. Sborn. Rada B.25:83-96. Sept.1952. 19.5 C332Ca
English summary.

32676 NIENABER. Zur steigerung des bodenertrages in einer geestwirtschaft. Landwirtbl. Weser-Ems 100: 10-11. Jan.1,1953. 18 L2345
Soil management.

32677 OLIVA, A. Agrarian reclamation of the mountains. (In Italian.) Ricerca Sci. 22(4,sup.A):189-204. 1952. 475 It1
English summary.
Italy.

32678 OLIVA, A. Conclusion of the discussion on the agrarian reclamation of mountain areas. (In Italian.) Ricerca Sci. 22(4,sup.A):235-238. 1952. 475 It1
English summary.
Italy.

32679 PANCHANG, G. M., and GANGULI, M. K. Unit hydrograph method applied to Mahanadi Catchment above Sambalpur. Irrig. & Power 9:67-75. Jan.1952. 55.9 In222C
For estimating runoff.

32680 PARKS, D. A. Organically grown oranges. Farmer [Bridgwater] 7(2):31-32. Winter 1952. 10 F2282

32681 PEREIRA, H. C. Restoration of soil structure on eroded coffee plantations. Coffee Bd. Kenya. Mon. B. 17:202-203. Sept.1952. 68.29 C652

32682 POWELL, T. The twain shall meet. Org. Farmer 4(6):20-25. Jan.1953. 57.8 Or3
Biodynamic farming from the Orient.

32683 PROKOSHEV, V. N. Povyshenie plodorodiia peschanykh i supeschenykh pochv dernovo-podzolistogo tipa [Increasing the fertility of sandy and sandy clayey soils of the turfy-Podzolic type]. Moskva,Akademiia Nauk SSSR,1952. 438 p. 56.6 P943P

32684 RIBEIRO, O. L'amenagement du terroir agricole. Tijdschr. v. Econ. en Sociale Geog. 43:251-257. Oct./Nov.1952. 280.8 T44

32685 SHERRARD, E. G. Reclamation of peat land. Brit. Agr. B. 5:320-324. Jan.1953. 10 B776

32686 SOMMERKAMP, G. Behandeln wir den boden richtig? XVII. Wie muss unser ackerland überwintern? Tech. f. Bauern u. Gärt. Ausg. A 4:481-482. Nov.10,1952. 58.8 T223

32687 TORAZZI, F. Use of industrial equipment for settling ground struck by alluvion. (In Italian.) Ricerca Sci. 22(4,sup.A):63-76. 1952. 475 It1
English summary.

32688 TRIBUZI, H. S. Soil burning and its consequences. (In Portuguese.) Agr. e Pecuaria 24(345):48-49. June 1952. 9.2 Ag89

32689 VIGGIANI, G. The unsettled mountains of Potenza. (In Italian.) Ricerca Sci. 22(4,sup.A):227-228. 1952. 475 It1
English summary.
Reclamation.

32690 WARBURTON, B. H. Organic farming at work. N. Y. Farmers. Proc. 1951/52:388-398. 1953. 4 N48P
Includes discussion.

32691 WARE, L. M. Two generalizations related to the independent and combined effects of agricultural practices on crop yields. (Abs.) Ala. Acad. Sci. J. 21/22:109. Feb.1952. 500 AL12

32692 WILKINS, R. V. Green pastures during drought. Org. Farmer 4(6):68-70. Jan.1953. 57.8 Or3

Soil Fertility

32693 ACOSTA J., R. Abonamiento en tabaco. Costa. Rica. Min. de Agr. e Indus. Secc. de P. y Bibliot. B. Téc. 6,15 p. 1952. 8 C827

32694 ADELANTADO FERNANDEZ, L. Fertilización con fosfatos naturales. Rev. Indus. y Fabril 7:598-600. Nov.1952. 297.8 R322

32695 AGERBERG, L. S. Crop rotation nutrition problems. (In Swedish.) Växt-Närings-Nytt 8(9):46-48. 1952. 57.8 V47

32696 AKADEMIIA NAUK. Ob uluchshenii sel'skokhozfaĭstvennogo ispol'zovaniĭa zemel' nechernozemnoĭ polosy evropeĭskoĭ chasti SSSR [On improving the utilization of lands for agriculture in the non-black earth area of European U.S.S.R.]. Moskva,Akademiĭa Nauk SSSR, 1952. 207 p. 56.6 Ak1
Soil fertility.

32697 ALBRECHT, R. Cover crops in corn. I. Prairie Farmer, Gen. Ed. 125(3):5,18. Feb.7,1953. 6 P883

32698 ALBRECHT, W. A. The value of organic matter. Mod. Nutr. 5(10):4-5. Oct./Nov.1952. 389.9 Am352

32699 ALDRICH, D. G., and others. Fertilizer studies with nitric acid and nitrogen dioxide. Citrus Leaves 33(2):26,28,32. Feb.1953. 80 C492
S. B. Boswell, F. W. Zink, J. Buchanan, and B. Goulben, joint authors.

32700 ALDRICH, D. G., COONY, J. J., and GOULBEN, B. Leaf analysis survey as a guide for establishing avocado fertility trials. Citrus Leaves 33(2):15-16. Feb. 1953. 80 C492

32701 ALEXANDER, E. D. Nitrogen topdressing is profitable on small grain. Victory Farm Forum 46:20. Dec.1952. 281.8 F226

32702 ANDREWS, W. B. Grain production from small grains used for fall and winter grazing. Victory Farm Forum 46:7-8. Dec.1952. 281.8 F226
Nitrogen fertilizer.

32703 ANTONELLI, C. New possibility of regulating the amount of nitrogen fertilizers for sugarbeets by tests with Bray reagent. (In Italian.) Indus. Sac. Ital. 45:344-353. Ref. Sept./Oct.1952. 65.8 In23

32704 BADELL, C. E. Con el profundo estudio del suelo salteño se iniciara la historia de un mejor tabaco. Mundo Agr. 4(43):24-28. Dec.1952. 9 M92

32705 BADER. Phosphatdüngung im weinbau. Deut. Weinbau 8:9-10. Jan.5,1953. 390.8 W432

32706 BAMBERG, K. Highly effective process for utilizing local fertilizers and enriching them with composts. (In Latvian.) Latv. PSR Zinatņu Akad. Vēst. 12:1891-1901. 1951. 511 R442

32707 BATEMAN, G. Q. Fertilization of irrigated pastures. Pacific Nowest. Fert. Conf. Proc. 3:34-42. 1952. 57.9 P11

32708 BAUMANN. Warum kalkdüngung im walde? Bauernwald 6:39-40. Dec.6,1952. 99.8 B32

32709 BEAR, F. E. Looking ahead to nineteen hundred fifty-three. Victory Farm Forum 46:4. Dec. 1952. 281.8 F226
Nitrogen fertilizers.

32710 BEARD, J. S. The use of fertiliser in wattle culture. So. African Forestry Assoc. J. 22:7-33. Oct. 1952. 99.9 So82

32711 BERENDES, P. Die bedeutung der phosphorsäure. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 125-126. Jan.22,1953. 18 L2346

32712 BERTHELET, P. Les pélerins de l'humus. Paysan Franç. 28(420):9-10. Dec.1952. 14 P29

32713 BERTHER, F. Die anwendung der verschiedenen kunstdünger. Grüne 81:98-100. Jan.23,1953. 17 Sch9

32714 BORDAS, J. Notes sur les engrais à base de cyanamide et d'urée. Reveil Agr. 62(2642):4. Jan.1, 1953. 14 R322

32715 BOULET, L. J., and CHOINIERE, L. Phosphate and potash effects on Ladino clover swards. Better Crops Plant Food 37:6-14,39-46. Ref. Jan.1953. 6 B46

32716 BRILLANTE, A. J. Optimum quantity of fertilizer. Sugar News [Manila] 28:569. Dec.1952. 65.8 Su36

32717 BROWN, D. A. Research guides Arkansas farmers in fertilizer usage. Victory Farm Forum 46: 19-20. Dec.1952. 281.8 F226

32718 BRUIN, P. Soil research and fertilizing. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 43:263-264. Oct./Nov.1952. 280.8 T44

32719 BRÜNING, D. Ein beitrag zur forstdüngungsfrage. Wald 2:367-372. Dec.1952. 99.8 W143

32720 BRÜNING, D. Beobachtungen über kali und magnesiummangel bei der robinie (Robinia pseudoacacia) und der perennierenden lupine (Lupinus polyphyllus). Ernahr. der Pflanze 2:71-82. Ref. Nov.1952. 57.8 Er62
English summary.
An experiment in reforestation.

32721 BURRELL, A. B. What we learned about fertilizing apples. Amer. Agr. 150:33,46-47. Jan.17,1953. 6 Am3

32722 CALVERT, W. New ideas in feeding Gladioli. Gard. Illus. 70:39. Feb.1953. 80 G169

32723 CANEL, M. Recuperación de la fertilidad del suelo mediante el cultivo de alfalfa y la aplicación de abonos fosfatados; primera comunicación. Arch. Fitotéc. del Uruguay 5:95-98. 1952. 102.5 Ur8A
English summary, p. 173-174.

32724 CASE, W. B. Foliar fertilization at Hilo Sugar. Hawaii. Sugar Technol. Rpt. 1952:17-19. 65.9 H317

32725 CATALINA, L. El abonado de los prados. Cult. Mod. 35:378-379. Oct.1952. 15 C89

32726 CATALINA, L. Fertilización química de los alfalfares. Cult. Mod. 35:414. Nov.1952. 15 C89

32727 CHAMINADE, R., and BLANCHET, R. Action stimulante de l'humus sur le développement et la nutrition minérale des végétaux dans le sol. Acad. des Sci. Compt. Rend. 236:119-121. Jan.5,1953. 505 P21

32728 CHAO, T. T., and LEE, F. V. Studies on the soil fertility of Taiwan sugarcane fields. I-II. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 8:70-132. Ref. June 1952. 65.9 F76R
English summary.
I, A laboratory study on the rapid chemical methods for measuring "available" phosphorus and potassium, by T. T. Chao, II, Soil fertility survey of sugar cane fields, by T. T. Chao and F. V. Lee.

32729 CHAPMAN, C. J. Wisconsin's soil bank balances are running low on nitrogen and potash. Better Crops Plant Food 37:17-22,51. Jan.1953. 6 B46

32730 CHAPMAN, H. D., and FULLMER, F. El análisis de las hojas de las citrus. Agron. y Vet. 2(8): 25-26. Feb.1952. 9 Ag882

32731 CHERRY, G. Fertilisers are good business. Agr. Merchant 33:16-18. (Cont.) Jan.1953. 10 Ag89
Effect on yields of cereals.

32732 COLLINS, E. R. More efficient use of lime and fertilizer. Tarheel Banker 31(8):13,15. Feb.1953. 284.8 T17
For North Carolina.

32733 COLLINS, W. O. Nitrate of soda recommended for oats in Georgia. Victory Farm Forum 46:5. Dec.1952. 281.8 F226

32734 COLON, I A. Abonos para tabaco en Puerto Rico. Rev. del Café 8(4):9-10. Nov.1952. 8 R3295

32735 COLWELL, W. E., and WOODLE, H. A. 1953 Carolinas fertilizer recommendations. Prog. Farmer, Carolinas-Va. Ed. 68(2):166. Feb.1953. 6 P945

32736 COMMERCIAL fertilizer for the Tenth District Fed. Reserve Bank Kans. City. Mon. Rev. 38:1-6. Jan. 31,1953. 284.8 F31K
Kinds of fertilizer and crop response.

32737 COOPER, W. C., and PEYNADO, A. A comparison of sour orange and Cleopatra mandarin seedlings on salty and calcareous nursery soils. Rio Grande Val. Hort. Inst. Proc. 7:95-101. Ref. 1953. 81 L95

32738 CUMMINGS, R. W. How to meet the nitrogen needs of small grain. Victory Farm Forum 46:6. Dec. 1952. 281.8 F226

32739 DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Fertilize for 100 bushels. Del. U. Agr. Ext. Folder 27,rev.,8 p. Jan.1953. 275.29 D37W

32740 DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Fertilizers for Delaware. Del. U. Agr. Ext. Folder 37,8 p. Dec.1952. 275.29 D37W

32741 DEXTER, K. How much fertiliser should I use next year? Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8:5-6. Autumn 1952. 281.9 N842

32742 DUNKER. Über die anwendung von kalk im weinbau. Deut. Weinbau 7:596-597. Nov.5,1952. 390.8 W432

32743 DUNTON, H. L. Fill her up. Victory Farm Forum 46:14. Dec.1952. 281.8 F226
Pasture fertilizers.

32744 EGBERTS, H. Fruit on sand. (In Dutch.) Fruitteelt 42:834-835. Nov.13,1952. 86 N28

32745 EJSING, G. Experiments with potassium fertilizers with and without chlorine for apples. (In Danish.) Erhvervsfrugtavleren 19:88-89. Jan.1,1953. 80 Er3

32746 ELEAZER, J. M. Stick to a well balanced fertilizer program. Victory Farm Forum 46:9-10. Dec. 1952. 281.8 F226

32747 ENGE, G. Oil crop fertilizer experiments. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12:153-155. 1952. 11 K12

32748 FEITER, J. C. DE. Fruit on sand. (In Dutch.) Fruitteelt 43:26-27. Jan.10,1953. 86 N28

32749 FOSTER, D. C. Side-dressing gets a boost; new liquid nitrogen used in Ohio. Sugar Beet J. 18:46-49. Feb.1953. 66.8 Su38

32750 FRANCK, O. Fall or spring fertilizing with superphosphate for spring grain? (In Swedish.) Växt-Närings-Nytt 8(9):26-27. 1952. 57.8 V47

32751 FREDRIKSSON, L. Some current phosphate fertilizer problems and the possibilities for using radioactive phosphorus as a tracer in investigations concerning these problems. (In Swedish.) Växt-Närings-Nytt 8(9):5-12. 1952. 57.8 V47

32752 FREY, K. J., and ROBERTSON, L. S. The effect of fertilizer application and analysis on certain criteria of malting quality in barley. Cereal Chem. 30: 31-39. Jan.1953. 59.8 C33

32753 FRITZSCHE, R., and WERENFELS, L. Einfluss der düngung auf die fruchtgrösse bei kirschen. Schweiz. Z. f. Obst- u. Weinbau 62:9-11. Jan.10,1953. 80 Sch9

32754 FUDGE, J. F. Some facts about fertilizers. Golf Course Rptr. 21:5-6,8. Jan./Feb.1953. 60.18 G83
Nitrogen, phosphorus, and potassium.

32755 FUTRAL, J. G. Peanut fertilizers and amendments for Georgia. Ga. Agr. Expt. Sta. B. 275,13 p. Feb. 1952. 100 G295

32756 GALLETTI, A. C. Increase of production of alfalfa through phosphates and irrigation. (In Italian.) Agr. Tosc. 7:349-351. Oct.1952. 16 Ag827

32757 GARNER, H. V. More about salt: some notes on fertilizers. Brit. Sugar Beet Rev. 21:75-76. Dec.1952. 66.8 B77

32758 GARNIER, M. Restitution humique. Défense Agr. de la Beauce et du Perche 49:497-499. Dec.20, 1952. 14 D36

32759 GEORGIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fertilizer recommendations for Georgia. Ga. Agr. Col. Ext. C. 371,6 p.-folder. Dec.1952. 275.29 G29C

32760 GOODDING, T. H., and RUSSEL, J. C. Hairy vetch, legume for sandy dry-land soils. Crops & Soils 5(5):12-14. Feb.1953. 6 W55

32761 GRASSMANN. Bodengesundheit—eine frage der phosphorsäure? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:127-128. Jan.22,1953. 18 L2346

32762 GRONINGEN. LANDBOUWPROEFSTATION EN BODEMKUNDIG INSTITUUT T. N. O. Advantageous application of Chile saltpeter. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:454-456. Dec.1952. 12 N383M

32763 HADDOCK, J. L. Fertilizer and soil moisture relationships as they influence yield and quality of crops. Pacific Nowest. Fert. Conf. Proc. 3:57-61E. 1952. 57.9 P11

32764 HAGMAN, J. V. The research activities during the year 1951. (In Swedish.) Lantbrtidskr. f. Stockholms Län och Stad 2(4):12-14. 1952. 12 L29
Fertilizer and grain research.

32765 HALLERFORS, M. Do clay soils need potassium? (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn. 5:73-74. Oct.1952. 11 Sk1

32766 HARBOR, D. R. 300 pounds of nitrate of soda for 40 bushels of oats is a good trade. Victory Farm Forum 46:9. Dec.1952. 281.8 F226

32767 HEGE, H. C. Organic fertilizers unlimited. Agr. & Indus. Life 14(11):12-13,51. Nov.1952. 25 Ag8
Green manures in the Philippines.

32768 HENDERSON, A. F. C. Fertilisers in horticulture. Queensland Fruit & Veg. News 2(55):6-7. Nov.28,1952. 280.38 Q3

32769 HESTER, J. B. Foliar application of plant nutrients to vegetable crops. Canning Trade 75(29):7. Feb.2,1952. 286.83 T67

32770 HEYDECKER, W. In search of humus. II. Gard. Illus. 70:40,43. Feb.1953. 80 G169

32771 HOCK, O. Herbstdüngung und bodenverbesserung. Kärntner Bauer 102:623-624. Dec.1,1952. 19 K14

32772 HORTON, R. Aerial topdressing from the pilot's or operator's viewpoint. Massey Agr. Col. Sheepfarming Annu. 15:101-109. Nov.1952. 45.9 M38S
Includes discussion.

32773 HOWARD, J. Field-plan your fertilizer program. Successful Farming 51(2):104-105. Feb.1953. 6 Su12

32774 INGHAM, S., and others. Land suitable to the production of crops for registration. Canad. Seed Grower's Assoc. Annu. Rpt. 1952/52:27-33. 1952. 61.9 C16
Contributions by W. T. G. Wiener, J. A. Stewart, and W. D. Hay.

32775 JACOB, K. D. Phosphate fertilizers for western agriculture. Pacific Nowest. Fert. Conf. Proc. 3:89-105. Ref. 1952. 57.9 P11

32776 JACQUOT, H. D. Fertilizers for dry land farming. Pacific Nowest. Fert. Conf. Proc. 3:28-33. 1952. 57.9 P11

32777 JAMES, T. H. Some notes on manuring Cymbidiums. Austral. Orchid Rev. 17:118. Dec.1952. 80 Au73

32778 JANSSON, S. L. Effect of lime on the humus condition of arable land. (In Swedish.) Växt-Närings-Nytt 8(9):21-25. 1952. 57.8 V47

32779 JETER, F. H. Sharp information. Victory Farm Forum 46:14-16. Dec.1952. 281.8 F226
Fertilizer utilization.

32780 JOGLAR-RODRIGUEZ, F. Los abonos verdes en la producción de alimentos. Rev. de Agr. P. R. 43: 100-102. Jan./June 1952. 8 R325

32781 JÚLÍUSSON, F. Give the soil what it needs. (In Icelandic.) Garðyrkjufélag Islands. Arsrit 1952:19-22. 86 Is4
Fertilizer.

32782 KANNENBERG, H. Über die kupferbedürftigkeit des grünlandes auf bestimmten böden. Grünland 1: 89-91. Dec.1952. 18 G922
Germany.

32783 KING, G. H. Georgia fertilizer recommendations for increased production of feed and forage. Victory Farm Forum 46:13. Dec.1952. 281.8 F226

32784 KNIEF, H Kalidüngung im rahmen des stallmistnährstoffmangelversuches. Landwirtbl. Weser-Ems 100:9-10. Jan.1,1953. 18 L2345

32785 KNOLL. Was lehrt uns das trockenjahr 1952? Bauern-Ztg. 52:9-10. Dec.24,1952. 18 B324
Grassland fertilizing and care in Germany.

32786 KNOLL, W. Gedanken zur humusversorgung. Hannoversche Land- u. Forstwirt. Ztg. 106:3-4,18. Jan.3,1952. 18 H194

32787 KOFOED, A. D., and OLESEN, J. Experiments with lime preparations. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:106-138. 1953. 11 B45

32788 KOFOED, A. D., and OLESEN, J. Experiments with pulverized and granular superphosphates and comparison of broadcasting and row application of superphosphates. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:63-66. 1953. 11 B45

32789 LAGERROTH, S. Plant nutrition and irrigation. (In Swedish.) Lantmannen 37:75-77. Jan.24,1953. 11 L234
Forage plants.

32790 LAMM, R. Application of plant nutrients in vegetable culture. (In Swedish.) Växt-Närings-Nytt 8(9): 51-61. 1952. 57.8 V47

32791 LASNIER, G. La chaux augmente vos recoltes. Foyer Rur. [Montreal] 12(2):5. Dec.1952. 7 F83

32792 LAWTON, K., ERICKSON, A. E., and LEMON, E. Utilization of phosphate fertilizer by several crops using radioactive phosphorus. Mich. Agr. Expt. Sta. Q. B. 35:147-155. Nov.1952. 100 M58S

32793 LETELIER A., E. Ensayos de aplicación de nitrogeno y fosforo en trigo. Chile. Dir. Gen. de Agr. Agr. Tec. 11:133-139. Dec.1951. 464.9 C432B
English summary.

32794 LEVY, J. F. Le diagnostic foliaire de la vigne. Rev. Agr. de l'Afrique du Nord 50:931-938,963-964. Dec. 19-26,1952. 80 R326

32795 LEWIS, R. D. Investigations of the fertility requirements of mountain meadows in Wyoming. Pacific Nowest. Fert. Conf. Proc. 3:46-56. 1952. 57.9 P11

32796 LEWIS, W. W. Topdressing winter pastures for grazing and grasses for seed production. Victory Farm Forum 46:10. Dec.1952. 281.8 F226

32797 LIGUORI, A. Phosphate fertilizers. (In Italian.) Italia Agr. 89:825-829. Dec.1952. 16 It1

32798 LIJSTEN, R. Fruit culture on sandy soils. (In Dutch.) Fruitteelt 42:909-910. Dec.11,1952. 86 N28

32799 LOIZIDES, P. A. The manuring of cereals. Countryman [Nicosia] 6(10):15-16. Oct.1952. 25 C83

32800 LOWREY, G. W., and EHLERS, P. L. Fertilizer experiments with corn in central and eastern Nebraska. Nebr. Agr. Expt. Sta. Outstate Testing C. 27, 22 p. Dec.1952. 100 N27O

32801 LUDWIG. Obstbaumtiefendüngung des Boden- und Futtermitteldienstes e V., Stuttgart-Hohenheim. Obstbau 71:171-172. Nov.1,1952. 80 Ob73

32802 MAATSCH, R. "Einheitserde"—"einheitserde"—erde. Bebauet die Erde 22:75. Oct.1952. 18 B38

32803 MCCOLLUM, J. D. Fertilizer as a tool for applying insecticides. Pacific Nowest. Fert. Conf. Proc. 3:43-45. 1952. 57.9 P11

32804 MCLEAN, E. O., BROWN, D. A., and HAWKINS, C. A. Comparative evaluation studies on rock and superphosphate. Ark. Agr. Expt. Sta. B. 528,29 p. Ref. Nov. 1952. 100 Ar42

32805 MADDEN, E. A. Flight-strips for aerial topdressing. Massey Agr. Col. Sheepfarming Annu. 15:86-89,91-92. Nov.1952. 45.9 M38S

32806 MAŘAN, B., and MALIŠ, O. Delimitation of agricultural and forest soils. (In Czech.) Za Socialist. Zeměděl. 2:1258-1266. Nov.1952. 19.5 Z1

32807 MAYR, L. Düngungsversuch auf der alpe Erzberg. Auf der Alpe 11:81-83. Nov.1952. 18 Au3
Pastures.

32808 MERKLE, F. G. Time of applying nitrogen and need for minor elements in wheat fertilization. Victory Farm Forum 46:21. Dec.1952. 281.8 F226

32809 MILETTO, D. G. Fruit culture and Thomas meal. (In Italian.) Frutticolt. Campana 2(10):1,3. Oct. 25,1952. 80 F9474

32810 MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. 1953 crop and fertilizer recommendations for Mississippi. Miss. Agr. Expt. Sta. C. 176,14 p. Nov. 1952. 100 M69

32811 MONTGOMERY, G. A. Birdsfoot makes fertilizer into beef. Capper's Farmer 64(2):32,79-80. Feb.1953. 6 M693

32812 MOORE, M. La calidad del terreno para un buen prado. Agr. Austral 22:316-318. Sept./Oct.1952. 9.3 Ag842

32813 MORGADO M. L. Fertility of agricultural soil and artificial manures. (In Portuguese.) Gaz. do Agr. 4:256-258. (Cont.) Oct.1952. 24 G25
Installment deals with cover crops.

32814 MORILLO, M. Fertilizantes de orden centesimal. Ceres [Valladolid] 17(198):29,31. Dec.1,1952. 15 C33
Minor elements.

32815 MURRAY, C. C. Topdressing small grains very important this year. Victory Farm Forum 46:8. Dec.1952. 281.8 F226
Nitrogen.

32816 NACHENIUS, W. C. The double purpose in fertilizing. (In Dutch.) Fruitteelt 42:829-831. Nov.13, 1952. 86 N28

32817 NACHENIUS, W. C. Litter and soil health. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:330-332. Dec.1952. 99.8 N28

32818 NASSO, A. DI. Winter nutrition of wheat. (In Italian.) Romagna Agr. e Zootec. 37(18):1. Nov. 1952. 16 R66

32819 NAUMANN. Bodenuntersuchung und nährstoffbilanz. Landwirt. Z. der Nord-Rheinprov. 120:12. Jan.3,1953. 18 L2344

32820 NELSON, L. B. Factors affecting fertilizer placement. Pacific Nowest. Fert. Conf. Proc. 3:80-85. 1952. 57.9 P11

32821 NELSON, L. B. Radiophosphorus and its use in soil and fertilizer investigations in the West. Pacific Nowest. Fert. Conf. Proc. 3:75-79. 1952. 57.9 P11

32822 NĚMEC, A. Contribution to the question of the use of poor quality brown coal "capucin" as a plant fertilizer. (In Czech.) Českoslov. Akad. Zeměděl. Sborn. Rada B 25:97-104. Ref. Sept.1952. 19.5 C332Ca
English summary.

32823 NOHE, E. Zum einfluss von kali und phosphorsäure auf samenertrag und kornmerkmale einiger leguminosenarten. Saatgut-Wirt. 4:282-284. Dec.1952. 61.8 Sa1

32824 NÖMMIK, H. Heavy nitrogen, N^{15}, as a tracer in the study of nitrogen fertilizer problem. (In Swedish.) Växt-Närings-Nytt 8(9):13-15. 1952. 57.8 V47

32825 PADEN, W. R. Economic nitrate topdressing rates for small grains. Victory Farm Forum 46:11. Dec.1952. 281.8 F226

32826 PAINTER, J. H. Determining the mineral nutritional status of trees by leaf analysis. Pacific Nowest. Fert. Conf. Proc. 3:1-7. 1952. 57.9 P11

32827 PASCHAL, J. L. Analysis of productivity effects of fertilizer. West. Farm Econ. Assoc. Proc. 25: 40-43. 1952. 280.9 W527P

32828 PATTERSON, R. M., and COPE, J. T. Nitrogen needs of grazing crops in Alabama. Victory Farm Forum 46:18-19. Dec.1952. 281.8 F226

32829 PEEVY, W. J. Winter and early spring pasture fertilization. Victory Farm Forum 46:23-24. Dec.1952. 281.8 F226

32830 PETERSON, H. B., NELSON, L. B., and PASCHAL, J. L. A review of phosphate fertilizer investigations in fifteen western States through 1949. Pacific Nowest. Fert. Conf. Proc. 3:86-88. 1952. 57.9 P11

32831 PIRES, P. S. Productivity, fertility of production. (In Portuguese.) Orientação Econ. e Financ. 10 (110):31. Nov.1952. 280.8 Or42
Includes program for improving soil fertility in Brazil.

32832 POST, G. V. "Bring forth grass" with additional amounts of nitrogen for top yields. Hoard's Dairyman 98:135. Feb.10,1953. 44.8 H65

32833 PRINCE, A. B. Residual effects of superphosphate application on soil phosphorus level and growth of crimson clover as measured by yield and phosphorus uptake. Soil Sci. 75:51-57. Ref. Jan.1953. 56.8 So3

32834 RAEVSKAÍÀ, S. Effective use of fertilizers in cotton and grain crop rotations in the Ukraine. (In Russian.) Khlopkovodstvo 9:32-38. Sept.1952. 72.8 K522

32835 RAY, H. E. Fertilizer recommendations for Arizona, 1953. Ariz. Agr. Col. Ext. C. 208,7 p. Dec.1952. 275.29 Ar42

32836 RICHARDSON, E. B. Compost and subsoiling raise phosphates and potash; a practical experiment in which "complete fertilizers" reduced phosphates and potash. Farmer [Bridgwater] 7(2):15. Winter 1952. 10 F2282

32837 RIVERA, V. The importance of Trifolium thalii for the maintenance of the grass layer for the protection of the soil. (In Italian.) Ricerca Sci. 22(4,sup.A):219-222. 1952. 475 It1
English summary.

32838 ROBERTSON, L. S., and SILVA PARRA, F. Eficiencia en el uso de los fertilizantes. Soc. Antioqueña de Agr. B. Agr. 391:3723-3725. Nov.1952. 9.4 So1

32839 RODRIGUEZ ESCRIBENS, M. Un nuevo abono introducido en el Perú: sulfato nitrato de amoniaco: consideraciones para su conocimiento agrónomico. Agronomia [Lima] 17(72):7-18. Oct./Dec.1952. 9.8 Ag83

32840 ROSEAU, H. La fertilisation des sols. Rev. Agr. de l'Afrique du Nord 50:827-830,851-859. Nov.21-28,1952. 80 R326

32841 ROZHDESTVENSKII, M. Fertilizing system in the travopol'nyi cotton-grain crop rotations. (In Russian.) Khlopkovodstvo 10:33-40. Oct.1952. 72.8 K522

32842 RUBINS, E. J. Residual phosphorus of heavily fertilized acid soils. Soil Sci. 75:59-67. Ref. Jan.1953. 56.8 So3

32843 RUFFALDI, G. B. Uniform, localized, and deep fertilizing. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:458-460. Nov.1952. 16 C72

32844 SAMUELS, G., and LANDRAU, P. Requisitos para el abonamiento de las cosechas alimenticias en Puerto Rico. Rev. de Agr. P. R. 43:92-96. Jan./June 1952. 8 R325

32845 SAUBLENS, L. Les engrais en arboriculture fruitière. Cour. Hort. 14:656-660. Dec.1952. 80 C834

32846 SAYRE, C. B. Sodium is essential for optimum growth of beets. Victory Farm Forum 46:12-13. Dec.1952. 281.8 F226

32847 SCHOBER, K. Schlussfolgerungen aus der kunstdüngeraktion 1952. Landwirtschaft 1/2:13-14. Jan.1953. 19 L235
Austria.

32848 SCHRATT, H. Düngung—ein problem. Landwirtschaft 23/24:361-363. Dec.1952. 19 L235

32849 SIGGEIRSSON, E. I. Fertilizers and vegetable culture. (In Icelandic.) Garðyrkjufélag Íslands. Ársrit 1952:3-18. 86 Is4

32850 SIMPSON, G. L. Cash gains from fertilization. (Sum.) Rhodesian Tobacco J. 4(11):66-68,73. Nov.1952. 69.8 R34
Methods of fertilizing.

32851 SINGH, M. The influence of cultural and manurial factors on plant development and yield of the potato Empire J. Expt. Agr. 20:301-315. Ref. Oct.1952. 10 Em7

32852 SKULJ, A. Let's fertilize with liquid fertilizers. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 4:164-165. July/Aug.1952. 21.5 Sa1

32853 SLEETH, B. An old-citrus-soil problem in the Lower Rio Grande Valley. Rio Grande Val. Hort. Inst. Proc. 7:31-32. 1953. 81 L95
Soil conditions of land planted a second or third time to citrus.

32854 SMITH, F. B. Winter fertilization of crops and soils in Florida. Victory Farm Forum 46:17. Dec. 1952. 281.8 F226

32855 SMITH. R. C. Your apple trees need balanced fertilization. East. States Coop. 29(2):15-16. Feb.1953. 280.28 Ea7

32856 SPRINGER. Die bedeutung der humusforschung für die bodenfruchtbarkeit. Allgäuer Bauernbl. 21:4-5. Jan.2,1953. 18 AL53

32857 STADHOUDERS, P. J. Fruit culture on sandy soils. (In Dutch.) Fruitteelt 42:876-877. Nov.27,1952. 86 N28

32858 STADLER H. Mehr futter durch gesteigerte düngung. Salzburger Bauer 7(16):3-5. Apr.17,1952. 19 Sa3

32859 STAEHLER, H. Handelsdüngung eine wichtige voraussetzung zur betriebsmechanisierung. Allgäuer Bauernbl. 20:706-707. Dec.18,1952. 18 AL53

32860 STANISHEVSKII, S. M. Planting legume crops—most important measure in increasing tobacco yield and in control of soil erosion. (In Russian.) Tabak 13(5):39-42. Sept./Oct.1952. 69.8 T112

32861 STENKHOFF. Humus und alte kraft in neuem licht. Landwirt. Z. der Nord-Rheinprov. 119:1392-1393. 1952. 18 L2344

32862 STENUIT, D., and AUWERA, G. VAN DER. The fertilizer problem in grape culture under glass. (In Flemish.) Tuinbouwberichten 16:184. Dec.15,1952. 80 T817

32863 STEPHENS, R. W. Kudzu, versatile wonder-bean. Org. Farmer 4(6):32-35. Jan.1953. 57.8 Or3

32864 SUSINI, A. Eloquent results of a grain fertilization test. (In Italian.) Agr. Tosc. 7:345-347. Oct.1952. 16 Ag827

32865 SWANBACK, T. R., and ANDERSON, P. J. Fertilizer placement for Connecticut tobacco. Conn. (State) Agr. Expt. Sta. B. 561,10 p. Nov.1952. 100 C76St

32866 TIDMAN, D. A. The soil in health and sickness. Milk Indus. 33(7):70-73. Jan.1953. 44.8 M593

32867 TOLMAN, B. Soil fertility program for sugar beets. Pacific Nowest. Fert. Conf. Proc. 3:121-128. 1952. 57.9 P11

32868 TOLNER, J. Fertilizing with trace elements. (In Dutch.) Nieuwe Veldbode 19:227-228. Dec.11,1952. 12 V542N

32869 TREMBLAY, F. T. The 1-2-3 of pasture fertilization. Washcoegg 30(9):5,12-13,15. Feb.1953. 47.8 W27

32870 TSVETOUKINE, V. Exigences des variétés de blé en potasse. Potasse 26:182-183. Nov.1952. 57.8 P84

32871 TURMEL, J. M. L'eau et le sol dans les divers milieux du Sahara occidental et les possiblités agricoles dans les palmeraies. (Rapport preliminaire). Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:482-487. Sept./Oct.1952. 26 R323

32872 TUTTON, S. M. The crop log as a guide to fertilization at Kohala. Hawaii. Sugar Technol. Rpt. 1952:13-15. 65.9 H317

32873 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A case for efficient use of fertilizers and lime, by W. A. Minor and B. Crom. Washington,Sept. 27,1952. 3 p. 1.914 R2R11

32874 URATA, R. I. Foliar fertilization on the Island of Maui. Hawaii. Sugar Technol. Rpt. 1952:5-6. 65.9 H317

32875 URHAN, M. Analisis de hojas: su aplicación en la investigación de la nutrición mineral de las plantas. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 3(33):18-26. Ref. Sept.1952. 68.29 C332

32876 VALENTE, L. A. Agricultural soil. (In Portuguese.) Gaz. do Agr. 4:258-260. Oct.1952. 24 G25

32877 VAN GARDEREN, J., BREVIS, J. G., and TAYLOR, A. J. Kunsmisproewe in Natal (1933-1950) [Fertilizer tests in Natal (1933-1950)]. Union So. Africa. Dept. van Landb. Wetensk. Pam. 336,40 p. 1952. 24 So84Sd

32878 VENEKAMP, J. T. N. Development of interprovincial fertilizer experiments on test fields. (In Dutch.) T.N.O.-Nieuws 8:14-16. Jan.1953. 475 T11

32879 VERTUNNI, R. Fertilizer techniques in the United States. (In Italian.) Agr. Tosc. 7:359-360. Oct. 1952. 16 Ag827
Application.

32880 VIANNA E SILVA, M. Calcium ammonium nitrate and its importance as an ammonium nitrate fertilizer at the present time. (In Portuguese.) Vida Agr. 15(92):3-4. Nov./Dec.1952. 15.5 V66

32881 VIANNA E SILVA, M. Phosphate fertilizers. (In Portuguese.) Vida Agr. 15(92):6-7. (Concl.) Nov./Dec.1952. 15.5 V66

32882 VIETS, F. G., BOAWN, L. C., and CRAWFORD, C. L. Foliar analysis applied to minor elements. Pacific Nowest. Fert. Conf. Proc. 3:8-11. 1952. 57.9 P11

32883 VOLK, G. M., and GAMMON, N. Liming and nitrates pay off on Irish potatoes. Victory Farm Forum 46:22-23. Dec.1952. 281.8 F226

32884 WAHNON, J. S. Lupines, value of the plant for green manure and the seeds for feed. (In Portuguese.) Melhoramento 5:53-75. 1952. 105.7 M48
English summary.

32885 WASSON, R. A. Commercial fertilizer is a sound investment. Better Crops Plant Food 37:15-16,50. Jan.1953. 6 B46

32886 WAUTHY, R. Résultats préliminaires de 4 années d'expériences sur l'application hâtive des engrais azotés minéraux pour la betterave sucrière. Inst. Belge pour l'Amélior. de la Betterave. P. 20:79-90. Apr./June 1952. 66.9 In7
English summary.

32887 WHEAT growers answer their own soils questions. Farm Mangt. 2(2):28-34. Jan.1953. 281.8 F2225

32888 WHITE, H. C. Perfect apples. Org. Farmer 4(6):14-15,46,48-49. Jan.1953. 57.8 Or3
Organic farming.

32889 WILLS, J. M. Fertilizing bananas. Queensland Fruit & Veg. News 2(53):6. Nov.14,1952. 280.38 Q3

32890 WOODHOUSE, W. W. Fertilizer pays on Ladino. Breeder-Stockman 14(9):16,101. Feb.1953. 49 V81

32891 WURSTEN, J. L. Alfalfa plus phosphorus. Pacific Nowest. Fert. Conf. Proc. 3:106-110. 1952. 57.9 P11

32892 ZANNONI, I. Chores for winter culture: Fertilizing forage plants. (In Italian.) Colt. e Gior. Vinic. Ital. 98:498-499. Dec.1952. 16 C72

Soil Tilth and Tillage

32893 BECKER, T. Vorbereitende massnahmen zur rodung. Deut. Weinbau 8:8. Jan.5,1953. 390.8 W432
Grapes.

32894 DOLL, J. Lets conserve dryland moisture. Mont. State Col. Farmer 6:14,19. Dec.1952. 276.8 M76

32895 EMKE. Wettpflügen—eine anregüng für andere. Ausbild. u. Berätung in der Landw. 5:120. Oct. 1952. 18 N11

32896 GLERUM, J. C. Plowing in the center of interest. (In Dutch.) Boerderij 37(15):7-9. Jan.7,1953. 12 B63
Netherlands.

32897 GOODMAN, R. N. The influence of organic mulches on some chemical and physical characteristics of an orchard soil. Mich. U. Diss. Abs. 12:774. 1952. 241.8 M58

32898 IVERSEN, K. Soil depth tillage. (In Danish.) Jydsk Landbr. 34:889-891. Dec.18,1952. 11 J99

32899 JOGLAR-RODRIGUEZ, F. A new system of contour ploughing is recommended for Puerto Rican hillsides. Tobacco [New York] 135(26):9. Dec.25,1952. 286.89 T552

32900 KHAN, A. R., and MATHUR, B. P. Ploughing is manuring. Indian Farming (n.s.)2(9):14-15. Dec.1952. 22 In283

32901 PEARSON, C. H. O. Trash blanketing plant cane. So. African Sugar J. 36:785,787. Dec.1952. 65.8 So8

32902 PROCTER, C. Cutting out that second digging. Grower [London.] 39:91. Jan.10,1953. 286.83 M34

32903 ROUILLARD, G. Opinions sur l'importance de quelques opérations culturales. Rev. Agr. de l'Ile Maurice 31:226-232. Sept./Oct.1952. 24 M44

32904 SAUZE, F. Travail du sol et erosion. Rev. Agr. de l'Afrique du Nord 50:694-696,720-722,742-743. (Cont.) Oct.17-31,1952. 80 R326

32905 SAUZE, F. Travail du sol et erosion. Rev. Agr. de l'Afrique du Nord 50:770-773,798-800. Nov. 7-14,1952. 80 R326

32906 TROUSE, A. C. Tillage evaluation. Hawaii. Sugar Technol. Rpt. 1952:10-13. 65.9 H317

Drainage, Irrigation, Water Supply, and Flood Control

32907 ADAMI, E. The Lower Ferrara aqueduct a response to a hundred-year old need. (In Italian.) Agricoltura 1(12):39-42. Dec.1952. 16 Ag8226

32908 AKADEMIIA NAUK. LABORATORIIA GIDROGEOLOGICHESKIKH PROBLEM. Metodicheskie ukazaniia k proizvodstvu gidrogeologicheskoĭ s''emki raĭonov oroshenifa Prikaspiĭskoĭ nizmennosti i Zavolzh'fa [Directions for performance of hydrogeological surveys of irrigation districts in the Caspian Lowland and Volga area]. Moskva,Akademifa Nauk SSSR,1952. 17 p. 325 Ak1

32909 ALLEN, L. C. "Hit or miss" irrigation on way out. Prog. Farmer, Tex. Ed. 68(2):160-161. Feb.1953. 6 T311

32910 ALOI, L. Floods, unemployment and mountain reclamation. (In Italian.) Ricerca Sci. 22(4,sup.A):279-281. 1952. 475 It1
English summary.
Italy.

32911 ALSTED, J. On boils. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 73:252-257. Nov.25,1952. 11 H35
Drainage.

32912 ANDREA, S. D'. The Po no longer brings fear. (In Italian.) Agricoltura 1(11):61-62. Nov.1952. 16 Ag8226
Flood control measures.

32913 BAKER, V. W. Planning an irrigation program in the Philippines. Philippine Agr. Engin. J. 3(2):22-23. Second Q.1952. 58.8 Ag88

32914 BARBERIS, C., and CAVAZZA, D. Economic considerations on overhead irrigation. (In Italian.) Acque Bonifiche Costr. 21:400-404. Aug./Sept.1952. 54.8 Ac7

32915 BARKSDALE, H. C. Ground water in the New Jersey Pine Barrens Area. Bartonia 26:36-38. Dec.22, 1952. 451 P532

32916 BELLINCIONI, G. Hydraulic defence and irrigation. (In Italian.) Ricerca Sci. 22(4,sup.A):101-109. 1952. 475 It1
English summary.
Includes discussion by L. Greco and G. Passerini.

32917 BENFORD, H. Why the South is turning to irrigation. Prog. Farmer, Tex. Ed. 68(2):48,50. Feb. 1953. 6 T311

32918 BILBREY, K. Water saved their crops. Prog. Farmer, Miss.-Ark.-La. Ed. 68(2):21,26. Feb.1953. 6 So81
Irrigation in Mississippi County, Arkansas.

32919 BISTRAIN, P. Capacidades de los canales para el método de riego por anlegos. Ingen. Hidraul. en Méx. 6(2):28-33. Apr./June 1952. 290.8 In43
English summary.

32920 BOWLER, D. G. The drainage of flight strips. Massey Agr. Col. Sheepfarming Annu. 15:93-97. Nov. 1952. 45.9 M38S

32921 BROWN, C. B. Flood prevention. Washington, U. S. Soil Conserv. Serv.,1952. 8 p. 1.96 Ad6Br
Paper at meeting of the American Society of Agricultural Engineers, Chicago, Dec.15-17, 1952.

32922 BUZUNOV, I. Certain questions of projected plans for consolidated irrigated sections in changing over to the new system of irrigation. (In Russian.) Khlopkovodstvo 10:61-69. Oct.1952. 72.8 K522

32923 CALZECCHI-ONESTI, A. Water furrows on hills. (In Italian.) Gior. di Agr. 63:3. Jan.4,1953. 16 It1G

32924 CANCELLARA, E. Overhead irrigation and its proper promotion. (In Italian.) Genio Rur. 15:399-405. Aug.1952. 281.8 R522
Italy.

32925 CLEVERING, R., and others. The demonstration with ditch-digging machines at Lellens. (In Dutch.) Landbouwberichten 7:203. Nov.20,1952. 12 L236
B. de Boer, B. P. Goldhoorn, and A. Duinker, joint authors.

32926 CRABB, G. A. Insolation: a primary factor in evaporation from a free water surface in Michigan. Mich. Agr. Expt. Sta. Q. 35:186-192. Ref. Nov.1952. 100 M58S

32927 CROSS, C. E. Discussion on cranberry bog irrigation. Cranberries 17(10):7-8. Feb.1953. 80 C852

32928 CURATO. Reclamation and land transformation. (In Italian.) Cassa per il Mezzogiorno. Not. 1(9): 15-16. Sept.1952. 280.8 N82

32929 DAKER, A. Irrigation in the United States. (In Portuguese.) Rev. Ceres 9(49):21-33. July 1951/Aug. 1952. 9.2 C332

32930 DAVIDSON, J. H. Power requirements for irrigation use. Rur. Electrif. Mag. 11(3):32,58. Dec. 1952. 335.8 N21
Electric power required for pumping.

32931 DELOYE, M. Généralités sur les irrigations des principales cultures en Algérie. Rev. Agr. de l'Afrique du Nord 50:665-670. Oct.10,1952. 80 R326

32932 DIJKSTRA, J. Time and motion study by the Dutch Heath Society in drainage and irrigation groundwork. I. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:334-336. Dec.1952. 12 N282

32933 DURANTE, D. Marginal efficacy of water in irrigation. (In Italian.) Acque nell'Abitato e nei Campi 4:129-133. Sept./Oct.1952. 55.8 Ac7

32934 EASTMAN, H. V. Teamwork at Chowchilla; how local-Federal cooperation pays off in cutting costs, speeding construction and delivering Central Valley Project water. Reclam. Era 39:35-38. Feb.1953. 156.84 R24

32935 ELLIOTT, J. Keys to successful irrigation. Prog. Farmer, Ga-Ala.-Fla. Ed. 68(2):21. Feb.1953. 6 P945G

32936 ELLIS, H. M. Seven helpful pointers on how to irrigate. Prog. Farmer, Tex. Ed. 68(2):54-55. Feb.1953. 6 T311

32937 ELLSPERMAN, L. M. New faces for dams. Reclam. Era 39:42-43. Feb.1953. 156.84 R24

32938 ELRICK, D. Irrigation in the West. O.A.C. Rev. 65:55-57. Nov.1952. 276.8 On8
Canada.

32939 ENGELBERT, E. A. The functions of Government in water resources development. West. Farm Econ. Assoc. Proc. 25:60-63. 1952. 280.9 W527P
Discussion by M. L. Upchurch, p. 64-65.

32940 ERASMUS, J. C. Sweet sorghums or maize as silage crop under irrigation. Farming So. Africa 27:475, 479. Oct.1952. 24 So842

32941 FOLZ, W. E. The economics of water resources development. West. Farm Econ. Assoc. Proc. 25:52-55. 1952. 280.9 W527P
Discussion by M. L. Upchurch, p. 44-45.

32942 FORGET. Un vaste projet: l'irrigation des coteaux de Gascogne. B. des Engrais 347:209-212. Dec. 1952. 57.8 B87

32943 FRANKE, A. Technical projects in agriculture on Walcheren. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:293-299. Nov.1952. 12 N282
Reclamation.

32944 FUHRIMAN, D. K., and CRIDDLE, W. D. Consumptive use of water studies provide basis for division of the waters of the Colorado River. Farm & Home Sci. [Utah Sta.] 13:87-100. Dec.1952. 100 Ut1F
Water used by vegetative growth.

32945 GAUS, H. Grabenfräse—in der entwicklung. Wasser u. Boden 4:339-340. Nov.1952. 56.8 W28

32946 GORDON, A. Footnotes on irrigation. Philippine Agr. Engin. J. 3(2):16-19. Second Q.1952. 58.8 Ag88

32947 HAKANSSON, A. Some results of drainage ditch research in Skaraborg Province. (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn. 6:79-82. Dec.1952. 11 Sk1

32948 HAKIM, A. A. The design of small ponds for minor irrigation schemes. J. Soil & Water Conserv. India 1:34-38. Oct.1952. 56.8 J824

32949 HAMPSON, C. C. Development of the Colorado River Basin. West. Farm Econ. Assoc. Proc. 25:56-59. 1952. 280.9 W527P
Includes irrigation.
Discussion by M. L. Upchurch, p. 44-45.

32950 HARRISON, W. M. California should own and operate the Central Valley Project. (Excerpts.) California 42(12):13,28-29. Dec.1952. 280.8 C12

32951 HERRMANN, F. J. Untersuchungen über den einfluss der künstl. beregnung auf den wasserhaushalt des bodens und das vegetative und generative wachstum von kernobst. (Abs.) Nachr. f. Beratung u. Ausbild. in der Landwirt. 5:168. Dec.1952. 18 N11

32952 HOPEWELL, H. G. A word of warning on depth of tiles on flight strips. Massey Agr. Col. Sheepfarming Annu. 15:98-100. Nov.1952. 45.9 M38S

32953 HOWARD, C. S. Irrigation and water quality. 1. How dissolved solids decrease in irrigation water. Reclam. Era 39:1-2,4. Jan.1953. 156.84 R24

32954 HOWARD, C. S. Irrigation and water quality. 2. Quality of water in selected basins. Reclam. Era 39:39-40. Feb.1953. 156.84 R24

32955 HUDSON, J. P., and SALTER, P. J. Watering tomatoes under glass. Gard. Chron. 133:32-33. Jan.24, 1953. 80 G162

32956 HURST, F. J. Biggest yields they ever harvested. Prog. Farmer, Miss.-Ark.-La. Ed. 68(2):19,28. Feb. 1953. 6 So81
Irrigation in Mississippi.

32957 IATSYNIN, L. Problems of agricultural technique for irrigated cotton in the Volga-Don zone. (In Russian.) Khlopkovodstvo 10:17-25. Oct.1952. 72.8 K522

32958 IRRIGATED pastures point the way to profit. West. Livestock J. 31(11);45,100-103. Feb.1953. 6 F2278

32959 ISIDORO, G. Study on the convenience of operation among certain irrigation plants with forced conductor. (In Italian.) Genio Rur. 15:441-455. Aug. 1952. 281.8 R522

32960 JIROUŠEK, J. M. Water economy and development of Czech agriculture. (In Czech.) Za Socialist. Zeměděl. 2:1310-1321. Nov.1952. 19.5 Z1

32961 JULÉN, G. Some aspects on the irrigation of temporary leys. I-II. Acta Agr. Scand. 2:312-329. Ref. 1952. 11 Ac82

32962 KENNERLY, A. B. He laughs at dry weather. Prog. Farmer, Tex. Ed. 68(2):21. Feb.1953. 6 T311
Irrigating corn in Texas.

32963 KLIVANER, A. Federal flood control operations in New York State. N. Y. Agr. Col. A. E. 844, 34 p. Jan.1953. 281.9 C81

32964 LARSEN, F. H. Gravity irrigation system design in the Philippines. Philippine Agr. Engin. J. 3(2): 32-35. Second Q.1952. 58.8 Ag88

32965 LAW, W. P., and LUND, C. M. Extra water—insurance that pays off every year. Prog. Farmer, Tex. Ed. 68(2):58,60-61. Feb.1953. 6 T311

32966 LUNO, G. A. Even low lands can need irrigation. Prog. Farmer, Miss.-Ark.-La. Ed. 68(2):23. Feb. 1953. 6 So81
Irrigation in Louisiana.

32967 LUQUE LOBOS, J. A. Debe cultivarse alfalfa en la zona de riego. Mundo Agr. 5(44):72. Jan.1953. 9 M92
Argentina.

32968 LUQUE LOBOS, J. A. En la region hidricamente sistematizada de Cuyo es recomendable el riego a nivel cero. Mundo Agr. 4(42):68. Nov.1952. 9 M92

32969 LUQUE LOBOS, J. A. Es muy conveniente en Cuyo la adopción de "turnos" para la entrega de agua de riego. Mundo Agr. 4(43):18-19. Dec.1952. 9 M92

32970 LYON, A. V. Soil moisture; differences in irrigation frequencies for citrus in older and newer settlements. Citrus News 27:159. Nov.1952. 80 C494

32971 MCLELLAN, D. J. Before you irrigate. N. Dak. Agr. Col. Ext. C. A-173,6 p.-folder. Feb.1952. 275.29 N812Sa

32972 MCMENAMIN, J. P. M.I.A.-farmers' paradise. Land [Sydney] 2179:9,35,37. Oct.8,1952. 23 L22
Irrigation farming in the Murrumbidgee Irrigation Area in New South Wales.

32973 MARCHI, G. DE. The problem of the protection of the soil from floods, how it presents itself after the latest Po flood. (In Italian.) Ricerca Sci. 22(4,sup.A):85-100. 1952. 475 It1
English summary.

32974 MASSAGUES, J. M. Transformación de secano en regadio. Cult. Mod. 35:454. Dec.1952. 15 C89

32975 MAZHAROV, P. P. Zarîadkovoe oroshenie [Pre-planting irrigation]. Moskva, Akademiîa Nauk SSSR, 1952. 52 p. 55 M452

32976 MEHLS, F. H. Neuzeitliche wasseraufbereitung für gartenbaubetriebe. III. Tech. f. Bauern u. Gärt. Ausg. G 4:537-540. Dec.10,1952. 58.8 T223G

32977 METZNER, P. Variabler bewässerungsversuch an der Württ. Lehr- und Versuchsanstalt für Wein- und Obstbau, Weinsberg. Obstbau 71:169-171. (Concl.) Nov.1,1952. 80 Ob73

32978 MEXICO. SECRETARIA DE RECURSOS HIDRAULICOS. Informe de labores del 1 de septiembre de 1951 al 31 de agosto de 1952. Ingen. Hidraul. en Méx. 6(3):5-251. July/Sept.1952. 290.8 In43
English summary.
Includes irrigation.

32979 MIASNIKOV, N. G. An attachment to three and four furrow gang tractor plows for cutting outlet furrows [for irrigation]. (In Russian.) Sovet. Agron. 10(10):18-20. Oct.1952. 20 So84

32980 MONTI, P. Reclamation in Baraggia, Vercelli. (In Italian.) Riso 1(11):8-10. Dec.1952. 59.8 R49

32981 MOREL, C. Les irrigations en haute montagne. Génie Rur. 46:9-11. Jan.1953. 58.8 Au8

32982 NEAL, E. H. Operating the Columbia Basin Project. Reclam. Era 39:32-34. Feb.1953. 156.84 R24
Irrigation project, Washington.

32983 NEW SOUTH WALES. WATER CONSERVATION AND IRRIGATION COMMISSION. Report for the year ended 30th June, 1951. Sydney,1952. 48 p. 55.9 N472

32984 NEW YORK. FLOOD CONTROL COMMISSION. Report for the period April 1, 1951 to March 31, 1952, seventeenth report. Albany,1952. 83 p. 290.9 N488

32985 NICHOLSON, A. Why don't the cities look all the way upstream? Brandywine Valley Association promotes conservation on the cropland where water problems begin. Country Gent. 123(2):34-35,104-107,109. Feb.1953. 6 C833

32986 NIELSEN, A. D. Sargent [Nebraska] looks ahead. Reclam. Era 39:30-31,45-46. Feb.1953. 156.84 R24
Potential development of irrigation farming.

32987 O'KELLY, E. P. The land rehabilitation project and water supply. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:73-76. 1951/52. 10.5 An7
Drainage, reclamation, and other field operations in Ireland.

32988 PATUELLI, V. The reclamation project of Corniana Co. (In Italian.) Genio Rur. 15:303-318. June 1952. 281.8 R522
Italy.

32989 PEGLION, V. Salt removal and irrigation. (In Italian.) Agr. delle Venezie 6:554-566. Dec.1952. 16 Ag826

32990 PETERSEN, A. W. Nebraska-Bostwick [Irrigation] Development Farm. Reclam. Era 39:28-29,41. Feb.1953. 156.84 R24

32991 PINCELLI, E. Distances from reclamation projects. (In Italian.) Genio Rur. 15:182-186. Apr.1952. 281.8 R522
Irrigation canals in Italy.

32992 PORTOCARRERO Y C., J. N. Sugerencias técnicas para el trazado de canales. Agronomia [Lima] 17(72):63-70. Oct./Dec.1952. 9.8 Ag83
Irrigation.

32993 POST, G. V. What about irrigation in East Texas? Prog. Farmer, Tex. Ed. 68(2):19,164. Feb.1953. 6 T311

32994 QUACKENBUSH, T. H. Irrigation problems in SCS operations. Washington, U. S. Soil Conserv. Serv., 1952. 3 p. 1.96 Ad2Q2

32995 REEVE, R. C. Factors influencing drainage design in irrigated areas. Agr. Engin. 34:88-90. Ref. Feb.1953. 58.8 Ag83

32996 ROBERTSON, D. W. Irrigated agriculture. Agron. J. 41:597-602. Ref. Dec.1952. 4 Am34P

32997 ROCA ROCA, R. Agrarismo y urbanismo. Inst. Agr. Catalán de San Isidro. Rev. 101:245-246. Oct.1952. 15 Sa5
Sewage as irrigation water.

32998 ROSTKOVSKII, A. Once more about the question of regulating utilization of irrigation systems. (In Russian.) Khlopkovodstvo 9:60-63. Sept.1952. 72.8 K522

32999 SCHULZ, W. G. Water can't do the job alone. West. Livestock J. 31(11):42,97-98. Feb.1953. 6 F2278
Irrigated pastures and conservation farming.

33000 SCHWALEN, H. C., and FROST, K. R. Sprinkler evaporation losses may be reduced by nozzle change. Prog. Agr. Ariz. 4(4):10-11. Jan./Mar.1953. 6 P9452

33001 SCIENCE or witchcraft? Farm Mangt. 2(3): 56-58. Feb.1953. 281.8 F2225
Dowsing.

33002 SCIMEMI, E. Observations on the defense of the Po. (In Italian.) Ricerca Sci. 22(4,sup.A):111-114. 1952. 475 It1
English summary.

33003 SCRUGGS, C. G. Where antelope play in cotton patches. Prog. Farmer, Tex. Ed. 68(2):20,157. Feb.1953. 6 T311
Irrigation farming in Texas.

33004 SERPIERI, A. Integration of reclamation. (In Italian.) Cassa per il Mezzogiorno. Not. 1:6. Oct. 1952. 280.8 N82
Italy.

33005 SHINER, E. Complete job stops floods. Farmer-Stockman 56(2):13,60-61. Feb.1953. 6 Ok45

33006 SZESZTAY, K. Hydrometric and control devices of Soviet irrigation networks. (In Hungarian.) Hungary. Országos Vizgazdálkodási Hivatal. Vizügyi Közlem. 1:110-138. 1952. 290.9 H89
Germany summary.

33007 TAYLOR, S. A. Irrigation more effective with closer spaced furrows. Farm & Home Sci. [Utah Sta.] 13:84-85,99. Dec.1952. 100 Ut1F

33008 UBALDI, G. B. Water for our thirsty land (In Italian.) Acque nell'Abitato e nei Campi 4:144-146. Sept./Oct.1952. 55.8 Ac7

33009 UHDEN, O. Notwendigkeit und grenzen der wasserwirtschaft in einem kulturlande. Wasser u. Boden 4:312,314-316. Oct.1952. 56.8 W28

33010 ULRICH, R. Relative costs and benefits of land reclamation in the humid Southeast and the semiarid West. J. Farm Econ. 35:62-73. Feb.1953. 280.8 J822

33011 U. S. GEOLOGICAL SURVEY. Geology and ground-water resources of Comal County, Texas. U. S. Geol. Survey. Water-Supply Paper 1138,126 p. 1952. 407 G29W

33012 U. S. GEOLOGICAL SURVEY. Quality of surface waters of the United States, 1948. U. S. Geol. Survey. Water-Supply Paper 1133,373 p. 1952. 407 G29W

33013 U. S. GEOLOGICAL SURVEY. Water levels and artesian pressures in observation wells in the United States in 1950. 2. Southeastern States. U. S. Geol. Survey. Water-Supply Paper 1166,263 p. 1953. 407 G29W

33014 U. S. GEOLOGICAL SURVEY. Water levels and artesian pressure in observation wells in the United States in 1950. 5. Northwestern states. U. S. Geol. Survey Water-Supply Paper 1169,139 p. 1952. 407 G29W

33015 VICENTE-CHANDLER, J. El aprovechamiento de uno de nuestros principales recursos naturales--las aguas. Rev. de Agr. P. R. 43:49-56. Jan./June 1952. 8 R325

33016 VITTUM, M. T. Canning crops respond to irrigation in New York tests. Canning Trade 75(30):64-65. Feb.9,1953. 286.83 T67
Vegetables.

33017 WENZEL, F. W. Developments in the disposal of citrus processing wastes. Fla. Engin. & Indus. Expt. Sta. B. 6(10):21-23. Oct.1952. 290.9 F66
Touches upon use for irrigation water.

33018 WIERSMA, J. L. ABC's of sprinkler irrigation. S. Dak. Agr. Expt. Sta. C. 95,31 p. May 1952. 100 So82

33019 WIJK, C. J. VAN. Water-supply in horticulture (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:906-908. Nov.1952. 86 N384
English summary.

33020 WILLIAMS, J. H. The beef in California's water. Calif. Cattleman, Jan.1953:8-14,22. 43.8 C12
Economic problems of Central Valley Project.

33021 ZACHER, and PRENK. Für und wider den landwirtschaftlichen wasserbau. Wasser u. Boden 4:352-354. Dec.1952. 56.8 W28

33022 ZANNONI, L. Contribution of underground water to livestock development. (In Italian.) Rass. Econ. della Prov. di Alessandria 6(11):3-4. Nov.1952. 287 AL24
Pasture irrigation.

33023 ZELLER, J. P. L'olivier irrigué aux Etats-Unis. Colon. Franç. de Tunisie (ser.7)45(2250):1,3; (2251):1,3. (Cont.) Nov.29-Dec.6,1952. 24 C712

33024 ZELLER, J. P. L'olivier irrigué aux Etats-Unis. Colon. Franç. de Tunisie (ser.7)45(2252):1,3. (Concl.) Dec.13,1952. 24 C712

33025 ZITTA, F. Die beregnung in Südtirol. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2: 249-251. Nov.1952. 105.9 K696
English summary.

33026 ZUUR, A. Drainage and silting in the United States. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 43:258-260. Oct./Nov.1952. 280.8 T44

33027 ZWEMMER, J. J. What is the situation with regard to grassland irrigation? (In Dutch.) Landbode 6(45):1. Nov.13,1952. 12 L234
Netherlands.

Erosion and Erosion Control

33028 BIRDWELL, P. The job ahead in my soil conservation district. Tenn. Banker 41(2):8,10-11. Feb. 1953. 284.8 T25

33029 CARLSON, W. A., and RUNNELS, R. T. A study of silt deposited by the July 1951 flood, central Kansas River Valley. Kans. Acad. Sci. Trans. 55:209-213. June 1952. 500 K13T

33030 CHOLUPJAK, K. L. Soil erosion and methods for its control. (In Czech.) Za Socialist Zeměděl. 2: 1295-1302. Nov.1952. 19.5 Z1

33031 COOPER, A. W. Raindrop erosion. (Abs.) Ala. Acad. Sci. J. 21/22:107. Feb.1952. 500 AL12

33032 CRAWLEY, W. B. Conservation and research. (Abs.) Ala. Acad. Sci. J. 21/22:107. Ref. Feb.1952. 500 AL12
Agricultural Conservation Program of the Production and Marketing Administration of the U. S. Dept. of Agriculture.

33033 FONDA, M. E. A new concept of conservation. J. Soil & Water Conserv. 7:171-173. Sept.1952. 56.8 J822

33034 FORMAN, J. Home watersheds and home acres; an action program, sharpened and enlarged. Land 11:323-325. Jan.1953. 279.8 L22
Soil and water conservation promoted by Friends of the Land.

33035 FRIEDMANN, G. The fight against erosion of the soil by means of increasing the economy of mountain areas. (In Italian.) Ricerca Sci. 22(4,sup.A):283-286. 1952. 475 It1
English summary.

33036 GHISLENI. P. L. Another note on development in Albese. (In Italian.) Colt. e Gior. Vinic. Ital. 98:491-498. Dec.1952. 16 C72
Terracing.

33037 GORRIE, R. M. The Ceylon Soil Conservation Act. Empire Forestry Rev. 31:315-317. Dec.1952. 99.8 Em72

33038 GURGEL, O. DO A. Contribution of silviculture to soil conservation. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:341-350. Ref. Nov./Dec.1952. 9.2 R324

33039 HERRIN, R. H. The job ahead in my soil conservation district. Conserv. News 7(28):5. Jan.22,1953. 279.8 C768

33040 ILCH, D. M. Some limitation on the use of succulents for erosion control. J. Soil & Water Conserv. 7:174-176,196. Sept.1952. 56.8 J822

33041 JELMONI, E. A minor problem of the protection of the soil. (In Italian.) Ricerca Sci. 22(4,sup.A):61-62. 1952. 475 It1
English summary.

33042 JOHNSON, S. E. Soil conservation and farm management. Washington, U. S. Bur. Agr. Econ., 1952. 9 p. 1.941 L6J63
Presented at meeting of the Soil Conservation Society of America, at Buffalo, Oct. 23-25, 1952.

33043 KINGSBURY, J. W. Pot hole erosion on the western part of Molokai Island--Territory of Hawaii. J. Soil & Water Conserv. 7:197-198. Sept.1952. 56.8 J822

33044 KOSTJAKOV, A. N. Importance of anti-erosion measures; the Dokuchaev-Vil'iams theory serves as basis. (In Czech.) Za Socialist. Zemedel. 2:1302-1310. Nov.1952. 19.5 Z1

33045 KRISHNASWAMY, V. S. Role of forestry in soil conservation planning. J. Soil & Water Conserv. India. 1:26-33. Oct.1952. 56.8 J824

33046 KUIPERS, S. F. The work of the Soil Conservation Service (S. C. S.). (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 43:260-263. Oct./Nov.1952. 280.8 T44

33047 KURON, H. Berücksichtigung des bodenschutzes bei beratung und umlegung. Inst. f. Raumforsch. Inform. 45/46:353-365. Nov.17,1952. 280.9 B6431
Soil erosion control.

33048 LEONARD, L. B. Green pastures conserve Kentucky soil. J. Soil & Water Conserv. 7:195-196. Sept.1952. 56.8 J822

33049 LLOYD, C. H., and ELEY, G. W. Graphical solution of probable soil loss formula for the North eastern Region. J. Soil & Water Conserv. 7:189-191. Sept.1952. 56.8 J822

33050 LOWDERMILK, W. C. Conquest of the land through seven thousand years. Rur. Educ. B. 7:126-136. (Concl.) Oct.1952. 109 C162
Soil conservation.

33051 LOWDERMILK, W. C. Man made deserts. Good Husb. 3(3):12-13. Nov.1952. 24 G59

33052 MCCORD, L. A. The good earth. (Extr.) Town & Country Church 85:11. Jan.1953. 281.28 T66
Soil conservation.

33053 MATA PACHECO, J., and MEDINA GONZÁLEZ, L. Algunos datos sobre erosión en cultivos de arroz y normas recomendables para su control. Suelo Tico 6(27):37-39. Jan./June 1952. 8 Su2
Costa Rica.

33054 MEDLOCK, O. C. Land capability classes provide a sound basis for soil conservation in a diversified agriculture. (Abs.) Ala. Acad. Sci. J. 21/22:57. Feb. 1952. 500 AL12

33055 MEDLOCK, O. C. Progress and present status of soil conservation in Alabama. (Abs.) Ala. Acad. Sci. J. 21/22:108. Feb.1952. 500 AL12

33056 MESSINES, J. Conservation et amélioration des sols en montagne. France. Min. de l'Agr. B. Tech. d'Inform. 74:727-738. Nov.1952. 14 F844B
France.

33057 NORTH CENTRAL FARM MANAGEMENT COMMITTEE. OBSTACLES TO CONSERVATION SUB-COMMITTEE. Obstacles to conservation on Midwestern farms. Mo. Agr. Expt. Sta. B. 574,58 p. Mar.1952. 100 M693
Land Tenure Research Committee cooperating.

33058 PANARETOS, A. Erosion, the farmer's enemy No. 1. Countryman [Nicosia] 6(10):5-8. Oct.1952 25 C83
Soil erosion in Cyprus.

33059 PASSERINI, G. Soil conservation. (In Italian.) Ricerca Sci. 22(4,sup.A):17-40. 1952. 475 It1
English summary.

33060 PASSERINI, G. Synthèsis of the works and general conclusion of the Congress for soil defence. (In Italian.) Ricerca Sci. 22(4,sup.A):297-310. 1952. 475 It1
English summary.

33061 PEDREIRA, A. C. Control of erosion in coffee plantations. (In Portuguese.) Rev. Ceres 9(49): 54-60. July 1951/Aug.1952. 9.2 C332

33062 POUQUET, J. Quelques aspects des phénomènes d'érosion des sols. Rev. Gén. des Sci. Pures et Appl. 59:289-299. 1952. 473 R324

33063 PROBYN, E. H. Shifting sands of Ayia Irini. Forest Treas. 8(2):15-18. Winter 1952. 99.9 C993

33064 RAYCHAUDHURI, S. P. A suggested procedure for soil conservation survey. J. Soil & Water Conserv. India. 1:23-25. Oct.1952. 56.8 J824

33065 RIEL, J. A. VAN. The preservation of soil fertility. (In Dutch.) Nieuwe Veldbode 19:205. Dec.4, 1952. 12 V542N

33066 ROBUSTELLI, G. P. Agricultural coordination of all services relating to soil conservation. (In Italian.) Ricerca Sci. 22(4,sup.A):53-56. 1952. 475 It1
English summary.

33067 SALAZAR, E. El problema de los farolitos chinos. Agr. Costarricense 10:298-300. Dec.1952. 8 Ag895
Conservation farming.

33068 SALTER, R. M. Good grass is trademark of better farmers. Farmer-Stockman. Tex. Ed. 56(2):12,73-77. Feb.1953. 6 F22127
Grass in soil and water conservation.

33069 SALTER, R. M. Grasslands in conservation farming. J. Soil & Water Conserv. 7:163-170,198. Sept. 1952. 56.8 J822

33070 SEN, S. Soil Conservation—some social and economic aspects. J. Soil & Water Conserv. India. 1: 16-20. Oct.1952. 56.8 J824

33071 SILVESTRI, E. Hydraulic settlement and defence. (In Italian.) Ricerca Sci. 22(4,sup.A):79-83. 1952. 475 It1
English summary.
Soil conservation.

33072 SOYER, R. Les éboulis dans la région parisienne. Feuille des Nat. (n.s.)7:57-59. Sept./Oct.1952. 410 F432

33073 SUAREZ DE CASTRO, F. La erosión es un problema social. Agr. Trop. 8(12):21-23. Dec.1952. 26 Ag8
Colombia.

33074 SWAN, H. J. Conservation news—how, when, where, and why to obtain it. Washington?U. S. Soil Conserv. Serv.,1952. 8 p. 1.9607 Sw2
Presented at the State-wide Wyoming Conservation Meeting, Sept. 8-10, 1952, Casper, Wyoming.

33075 TASMANIA. DEPT. OF AGIRUCLTURE. EXTENSION SERV. Soil conservation on Tasmanian farmlands. Tasmania. Dept. Agr. B. (n.s.)32,31 p. May 1952. 23 T182

33076 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A year-end look at the strength of our land, by R. M. Salter, and K. M. Gapen. Washington,Dec. 20,1952. 3 p. 1.914 R2R11
Conservation.

33077 U. S. SOIL CONSERVATION SERV. Designation, office address, members and officers of State soil conservation committee, board, or commission established by State soil conservation districts law as an agency of the State. Washington,1952. 7 p. 1.96 B96D

33078 U. S. SOIL CONSERVATION SERV. Report, 1951/52. Washington,1952. 78 p. 1.6 So3R

33079 U. S. SOIL CONSERVATION SERV. Summary of problems and progress in soil conservation in thirteen southern States. Washington,1952. 5 p. 1.96 Ad6Summ

33080 U. S. SOIL CONSERVATION SERV. PACIFIC REGION. Soil conservation survey guide, Pacific Region. Rev. Portland,Oreg.,1952. 39 p. 1.9609 So323

33081 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Fifteen farmers find the answer, by C. W. Gee. Milwaukee,1952. 25 p. 1.6 So39F
Actual experiences of farmers who have solved their soil and water conservation problems.

33082 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Judging land for soil conservation, by H. E. Grogger and A. B. Foster. Milwaukee,1952. 14 p. 1.6 So39J

33083 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Pave your waterways with grass. U. S. Soil Conserv. Serv. Upper Miss. Region. JS-7,2 p. Jan.1952. 1.9605 J11

33084 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Report of strip cropping observations in Iowa, by H. H. Gardner. n.p.,1952. 4 p. 1.9605 R293

33085 UTAH. STATE SOIL CONSERVATION COMMITTEE. Eighth biennial report, from July 1, 1950 to June 30,1952. Salt Lake City,1952. 15 p. 56.9 Ut1

33086 VAJDA, A. DE. Needs of successful soil conservation. (Extr.) J. Soil & Water Conserv. India. 1: 9-10. Oct.1952. 56.8 J824

33087 VAUGHAN, B. Eucalyptus and soil recovery. (In Portuguese.) Chacaras e Quintals 86:643-644. Nov. 15,1952. 9.2 C34

33088 VAUGHAN, B. Eucalyptus and soil restoration (In Portuguese.) Chacaras e Quintals 86:92-93. July 15, 1952. 9.2 C34
Reforestation for control of erosion.

33089 VELATTA, M. Necessity of granting essential autonomy to technical and peripheric agencies for the purpose of soil conservation. (In Italian.) Ricerca Sci. 22(4, sup.A):271-273. 1952. 475 It1
English summary.

33090 VELATTA, M. Soil conservation and legislation relating to rivers and canals, to reclamation and the zones subject to forest laws. (In Italian.) Ricerca Sci. 22(4,sup.A):57-59. 1952. 475 It1
English summary.

33091 VERSLUYS, J. D. N. Social implications of measures for soil conservation—experiences in Indonesia. J. Soil & Water Conserv. India. 1:39-46. Oct.1952. 56.8 J824

33092 WASHINGTON STATE ASSOCIATION OF SOIL CONSERVATION DISTRICTS. Conservation panel discussion reports; 11th annual meeting, November 17, 18, and 19, 1952, Davenport Hotel, Spokane, Washington. Wash. State Col. Ext. Mimeog. 1402,15 p. Dec.1952. 275.29 W27Mi

33093 WATSON, J. E. Water erosion control. 4. Selecting, making, and safe-guarding waterways. West. Austral. Dept. Agr. J. (ser.3)1:609,611-613,615,617,619. Sept./Oct.1952. 23 W52J

33094 WHYTE, R. O. The agronomy of soil conservation. J. Soil & Water Conserv. India. 1:21-23. Oct. 1952. 56.8 J824

33095 WIKSTROM, J. H. Conservation—everyone's way of life. J. Soil & Water Conserv. 7:192-194. Sept. 1952. 56.8 J822

33096 WILSON, F. Non-tillage, erosion, cover crops. Queensland Fruit & Veg. News 2(51):14-15. Oct.31,1952. 280.38 Q3

33097 WIROATMODJO, R. S. Erosion becomes alarming. (In Indonesian.) Rimba Indonesia 1:99-110. Oct.1952. 99.8 R46
English summary.

Sanitation

33098 TOGLIANI, F. Sterilization of soil, seeds, and frames. (In Italian.) Informatore Fitopatol. 2:29-32. Feb.29,1952. 464.8 In3

MATERIALS FOR SOIL IMPROVEMENT

33099 BERTRAMSON, B. R. The Delaney Committee looks at chemical fertilizers. Pacific Nowest. Fert. Conf. Proc. 3:62-65. 1952. 57.9 P11

33100 DHAR, N. R. Organic matter beats 'artificials' Farmer [Bridgwater] 7(2):21,42. Winter 1952. 10 F2282

33101 SALGADO, M. L. M. Organics versus inorganic manures or compost versus artificial manures. Ceylon Coconut Q. 3:89-90. Apr./June 1952. 77.8 C33

Primary Materials

33102 BANNING, L. H. Defluorination studies on western phosphate rock. Pacific Nowest. Fert. Conf. Proc. 3:111-117. 1952. 57.9 P11

33103 BERGLUND, E. GKS 10 years. (In Swedish.) Växt-Närings-Nytt 8(9):74-78. 1952. 57.8 V47
Fertilizer research.

33104 GISIGER, L., and PULVER, H. Zur unterscheidungsfrage der harten und weicherdigen rohphosphate. Landwirt. Jahrb. der Schweiz (n.s.)2:75-86. Ref. 1953. 17 L23

33105 HANSEN, M. V. The geology, characteristics and origin of western phosphate. Pacific Nowest. Fert. Conf. Proc. 3:21-27. 1952. 57.9 P11

33106 MÉNAGER, P. L'origine geologique de la potasse. Potasse 26:179-181. Nov.1952. 57.8 P84

33107 VOLK, G. M. Know your fertilizers. Fla. Agr. Expt. Sta. B. 506,24 p. Nov.1952. 100 F66S

Secondary and Minor Element Materials

33108 CHICHILO, P. P., and WHITTAKER, C. W. Trace elements in agricultural slags. Agron. J. 45:1-5. Ref. Jan.1953. 4 Am34P

33109 DEUTSCHER INNEN- UND AUSSENHANDEL BERGBAU. Magnesium, ein pflanzennährstoff; beiträge zur frage der magnesiumdüngung. Berlin,1952. 215 p. 463.34 D48

33110 HUDSON, A. W. Molybdenum, a trace element, and its possible importance in topdressing. Massey Agr. Col. Sheepfarming Annu. 15:7,9,11-13,15,17-19,21,23. Nov.1952. 45.9 M38S
Includes discussion.

33111 MAITREJEAN, H. Le role des oligo-elements en agriculture. Mouton 7:128. Dec.1952. 45.8 M86

Mixed Fertilizers and Fertilizer Technology

33112 ADAMS, J. R., PARKER, F. W., and JACOB, K. D. Higher analysis mixed fertilizers as a factor in more efficient use of plant nutrients. Agr. Chem. 8:36-40,125,127. Ref. Jan.1953. 381 Ag8

33113 ALABAMA. DEPT. OF AGRICULTURE AND INDUSTRIES. Fertilizer and fertilizer material. Ala. Dept. Agr. & Indus. Dept. B. 56,103 p. 1952. 2 AL1B

33114 BORDAS, J., and GONNET, P. Sur diverses formes d'azote dans les engrais. Ann. des Falsif. et des Fraudes 45:429-435. Nov./Dec.1952. 389.8 An72

33115 CONNER, J. D. State fertilizer control laws. Agr. Chem. 8:43,123. Jan.1953. 381 Ag8

33116 FUDGE, J. F., and OGIER, T. L. Analyses of commercial fertilizers sold during 1951-52. Tex. Agr. Expt. Sta. B. 755,65 p. Oct.1952. 100 T31S

33117 LESSER, M. A. Soluble plant food concentrates. Agr. Chem. 8(2):37-39,130-133. Ref. Feb.1953. 381 Ag8

33118 MASSACHUSETTS. FERTILIZER CONTROL SERV. Inspection of commercial fertilizers and agricultural lime products. Mass. Agr. Expt. Sta. Control Ser. B. 154,16 p. Aug.1952. 100 M38H

33119 O'GRADY, L. J. Les formules d'engrais chimiques. Foyer Rur. [Montreal] 12(1):8,14. Nov.1952. 7 F83

Fertilizer Statistics

33120 AGUIRRE ARREGUI, A. La posibilidad de preparar fertilizantes aptos, económicos y en cantidad para nuestros suelos. (Sum.) Uruguay. Min. de Ganad. y Agr. B. Inform. 9(440):7;(441):7;(442):10;(443):13-14. Nov.6-27,1952. 9.9 G15B

33121 AMERICAN POTASH INSTITUTE. Bibliography of literature on potash as a plant nutrient, reviewed July 1941 through September 1941. Compiled by H. N. Hudgins, C. K. Smith, C. M. Schmidt, and V. G. Specht. Washington,1952. 99 p. 241 Am33B

33122 BECK, J., and PAUL, R. Bilan de l'approvisionnement en engrais en 1951—1952. France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 77:243-249. Dec.1952. 281.8 F84

33123 BRITISH SULPHATE OF AMMONIA FEDERATION. Annual report for 1951/52. London,1952. 6 p. 57.9 B77

33124 DAUJAT, A. Fumure minerale et espace vital. Motorisation Agr. 7:419. Oct.1952. 58.8 M85

33125 DAUJAT, A. Objectivité. Motorisation Agr. 7: 449. Nov.1952. 58.8 M85
Fertilizer situation.

33126 DOETSCH, J. F. Is price the new measure of excellence? Victory Farm Forum 46:2. Dec.1952. 281.8 F226
Fertilizer purchasing.

33127 GOODSELL, W. D. Prospects for fertilizers and pesticides. Agr. Situation [Washington] 37:3-4. Jan.1953. 1 Ec7Ag

33128 GOTTSCHAU, A. Fertilizer. (In Danish.) Andelsbladet 54:16-17. Jan.1,1953. 280.28 An2

33129 GOULDING, W. & H. M. The fertiliser industry in Ireland. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:83-84. 1951/52. 10.5 An7

33130 INDIA. TARIFF BOARD. Report on the revision of fair prices of superphosphate. Bombay,Min. Com. & Indus.,1952. 2 pt. 294 In2

33131 KRISCHE, P. Die entwicklung der gewinnung und verwertung des kalis bis zur heutigen welt-kaliindustrie. Ernahr. der Pflanze 2:83-98. (Concl.) Nov.1952. 57.8 Er62
English summary.

33132 MEHRING, A. L., BENNETT, G. A., and ADAMS, J. R. Fertilizer expenditures in relation to farm income in various states. Amer. Plant Food Council. J. 6(4):2-3,8-10. Ref. Oct./Dec.1952. 57.8 P692

33133 MÜLLER, A. Kalisalze für landwirtschaft und industrie — wichtige exporterzeugnisse der DDR. Ernahr. der Pflanze 2:98-103. Nov.1952. 57.8 Er62
English summary.

33134 NORDENGREN, S. The future of phosphate fertilizers. Soils & Fert. 16:1-5. Ref. Feb.1953. 241 Im7Sf

33135 PACIFIC NORTHWEST FERTILIZER CONFERENCE. Third annual proceedings, July 9, 10, 11, 1952. Pocatello,Idaho,1952. 135 p. 57.9 P11

33136 SCHREUDER, C. The potash supply. (In Dutch.) Cent. Bur. Meded. 36:153-154. Dec.1952. 12 N287
Netherlands.

33137 SOCIÉTÉ D'ÉTUDES CHIMIQUES POUR L'INDUSTRIE ET L'AGRICULTURE. L'industrie chimique lourde et l'industrie des engrais en Italie. Mines de Potasse d'Alsace. B. d'Inform. Econ. Etude Doc. 41, 19 p. Nov.1952. 280.9 M666

33138 SOMMERKAMP, G. Um den erhöhten stickstoffpreis. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:121. Jan.22,1953. 18 L2346

33139 TAYLOR, J. R. Trends and critical status of fertilizers. Amer. Plant Food Council. J. 6(4):6-7,11-13. Oct./Dec.1952. 57.8 P692

33140 TRUITT, F. T. 1953's fertilizer supply. East. Feed Merchant 4(2):20-21,75. Feb.1953. 389.78 Ea7

33141 TRUITT, P. T. The relationship of the fertilizer industry to food production. Natl. Inst. Anim. Agr. Proc. 2:84-92. 1952. 49.9 N219

33142 U. S. PRODUCTION AND MARKETING ADMIN. The fertilizer situation for 1952-1953. Washington,1952. 5 p. 1.956 M41Si8

Manures and Composts

33143 ALLUÉ MORER, A. La necesidad del estiércol. Ceres [Valladolid] 18(199):17,19,21. Jan.1,1953. 15 C33

33144 ALMEIDA, J. R. DE. Action of vinasse on public health. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:269-274. Sept./Oct.1952. 9.2 R324
Use as fertilizer as an alternative to water pollution.

33145 ANSTETT, A. Ensayos de la fabricación de estiércol artificial por medio de sarmientos de viñas. Agronomia [Lima] 17(72):19-51. Ref. Oct./Dec.1952. 9.8 Ag83

33146 BALTAZAR, E. P. Manures and manuring. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(10): 3-31. Oct.1952. 25 P544P
Philippines.

33147 EDWARDS, R. L. Synthetic compost will give good yields. Grower [London] 39:143,145. Jan.17,1953. 286.83 M34

33148 GARCIA RADA, G., and BECERRA DE LA FLOR, J. El compost en la agricultura nacional. Agronomia [Lima] 17(72):155-179. Oct./Dec.1952. 9.8 Ag83

33149 GOODMAN, L. O. Poultry manure and celery go well together. Grower [London] 39:223. Jan.31,1953. 286.83 M34

33150 GUNNES, S. Laboratory experiments concerning the fixation of ammonia in liquid manure. (In Norwegian.) Forsk. og Forsøk i Landbr. 3:213-226. Ref. 1952. 11 F772
English summary.

33151 KAILA, A. Humification of straw at various temperatures. Suomen Maataloustiet. Seura. Julkaisu. 78(3),32 p. Ref. 1952. 20 Su7

33152 KAILA, A. Observations on the effect of nitrogen and phosphorus upon the humification of straw. Suomen Maataloustiet. Seura. Julkaisu. 78(2),27 p. Ref. 1952. 20 Su7

33153 MARTÍNEZ, E. J., and GIACONE, J. F. R. Preparación de una "cama caliente" con paja de lino. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(57):27-28. Sept.1952. 9 Id3

33154 NACHENIUS, W. C. Purpose, preparation and use of compost. (In Dutch.) Fruitteelt 42:850-851. Nov. 20,1952. 86 N28

33155 OTTO, H. Pferchversuche zeigen erhebliche ertragssteigerungen. Tierzucht 6:412-413. Dec.1952. 49 T443

33156 PAVAGEAU, M. How to use manure from the corral. (In Portuguese.) Lav. e Criação 7(43):53-54. Oct.1952. 49 L392

33157 PFEIFFER, E. E. Recent developments in the application of the B.D. starter. Bio-Dynamics 10(4): 2-12. Autumn 1952. 56.8 B52
Compost.

33158 RECALDE, A. Una buena inversión para los agricultores. Cult. Mod. 35:448. Dec.1952. 15 C89
Liquid manure.

33159 RISI, J. La forêt au service de l'agriculture. 9. Utilisation de déchets forestiers dans la préparation du compost. Forêt Conserv. 19:6. (Cont.) Jan.1953. 99.8 F792

33160 SANDS, V. E. Fertilizantes de huesos: su industrialización en el Uruguay. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(445):11. Dec.11,1952. 9.9 G15B

33161 THEISS, H. Weniger arbeit mit dem stallmist. Illus. Beilage 1,8 p. In Deut. Landwirt.-Gesell. Mitt. 67(52). Dec.25,1952. 18 N39

33162 VENEMA, K. C. W. Prewar methods, used by the city of Hamburg, to convert city waste into composts for horticultural and agricultural use. (In Dutch.) Landbk. Tijdschr. 64:400-403. June 1952. 105.2 Or3
English summary.

FORESTRY

GENERAL

33163 BENTLEY, A. W. Trends in North American forestry. Forestry Chron. 28(4):12-25. Dec.1952. 99.8 F7623

33164 BLASY, W. Die werkzeugvergütung. Forstl. Mitt. 5:254. Nov.20,1952. 99.8 F7725
Wages of forest labor.

33165 BØHMER, J. G. Swedish forestry research during 50 years. (In Norwegian.) Tidsskr. f. Skogbruk 60:261-264. Oct.-Nov.1952. 99.8 T432

33166 BRENDER, E. V. A guide to the Hitchiti Forest Research Center. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 19,26 p. Oct.1952. 1.9622 S4St2

33167 BRETTEN, A. Wages, occupation and education of forest technicians. (In Norwegian.) Skogbrukeren 27:284-285. Dec.15,1952. 99.8 Sk54

33168 BUFLOD, A. H. New signals in Swedish forestry. (In Norwegian.) Skog. og Landarb. 11/12:164-169. Nov./Dec.1952. 283.8 Sk5
Labor.

33169 CONGEDO, R. Tree festival and forest problems for Salento. (In Italian.) Salento Agr. 3(12):7-8. Dec.1952. 281.8 Sa3

33170 DEAN, G. W. A report on forestry progress. Va. Forests 7(6):6-9,13,15. Nov./Dec.1952. 99.8 V81

33171 DEMOTTE, E. Its a "tree" country. South. Lumberman 186(2324):44. Feb.1,1953. 99.81 So82
Mississippi.

33172 FØYN, P. Combat of diseases of forest workers. (In Norwegian.) Skog. og Landarb. 11/12:180-181. Nov./Dec.1952. 283.8 Sk5

33173 FRANKE, H. Holztagung 1952 in Salzburg. Holztechnik 32:370-374. July 1952. 99.82 H745
Swiss-German-Austrian conference with worldwide participation.

33174 GARRATT, G. A. North American forestry, a summation. Forestry Chron. 28(4):26-35. Dec.1952. 99.8 F7623

33175 HAAREN, A., FREIHERR VON. Die tagung der Arbeitsgemeinschaft Naturgemässe Waldwirtschaft. Forst u. Holz 7:330-331. Dec.1,1952. 99.8 F7724

33176 JACOBSEN, J. F. Forestry in British Columbia. (In Norwegian.) Tidsskr. f. Skogbruk 60:152-156. June/July 1952. 99.8 T432

33177 JANICHEN, H. Waldwüstungen; ein methodischer beitrag zur wüstungsforschung am beispiel des Härtsfeldes. Württemb.-Hohenzollern in Zahlen 7:156-160. 1952. 265 W96
Historical.

33178 JUNACK, H. Die lage der privatforstangestellten in Niedersachsen. Deut. Forstmann, p.95-96. In Forst u. Holz 7(24). Dec.16,1952. 99.8 F7724

33179 LETOURNEUX, C. La situation forestière du Siam. Bois et Forets des Trop. 26:370-380. Nov./Dec. 1952. 99.8 B632
English summary.

33180 MARTIN, F. Le problème forestier dans nos territoires de la France d'Outre-Mer. Rev. Internatl. du Bois 19(172):13-15. Oct.1952. 99.8 R326

33181 MENCKE. Ein neues verlohnungsverfahren in Niedersachsen. Forst u. Holz 7:342-343. Dec.16,1952. 99.8 F7724

33182 NELBOCK-HOCHSTETTER, H. Pro und contra Ein beitrag zur der frage der einführung der einmannarbeit in Österreich. Allg. Forstztg. 64:16-17. Jan.1953. 99.8 AL53

33183 PERMANENT labor crew in the Forestry Commission territory. II. (In Swedish.) Svenska Skogsvardsför. Tidskr. 50(4,sup.):21-32. 1952. 99.8 Sk5

33184 PISKORIC, O. A contribution to the solution of the economical and social problem of the Karst-territory. (In Serbo-Croatian.) Sumarski List 76:281-285. Aug.1952. 99.8 Su6

33185 REINL, E. Technisch begründete arbeitsnormen im kollektiv erarbeiten. Wald 2:375-376. Dec. 1952. 99.8 W143
Productive capacity of forest labor.

33186 SCHAUBERGER, W. Die "Grüne Front." Bauer 6:12-13. Jan.3,1953. 19 B32
Importance of forests.

33187 SCHMITZ, H. Wood is wealth in Washington. Miss. Val. Lumberman 84(26):8-9,14. Feb.13,1953. 99.81 M69
Forests and forestry in Minnesota and Washington.

33188 SCHWEIZERISCHEN ANSTALT FUR DAS FORSTLICHE VERSUCHSWESEN. Internationale bibliographie für forstwirtschaft. Schweiz 1951. Zurich,1952. 37 p. 241.01 B47S

33189 SÖDERBERG, E. The forest worker replies. (In Swedish.) Skogen [Stockholm] 39:36*-38*. Apr.15, 1952. 99.8 Sk51

33190 STEBBING, E. P. Forestry in Burma. Burmese Forester 2:6-7. Mar.1952. 99.8 B92

33191 STEVEN, H. M. Forests and forestry in Scotland. I. (In Norwegian.) Tidsskr. f. Skogbruk 60:252-258. Oct.-Nov.1952. 99.8 T432

33192 SWAN, H., and others. Forest labor problems. (In Swedish.) (Sum.) Skogen [Stockholm] 39:30*-32*,38*. Apr.15,1952. 99.8 Sk51
K. A. Annell, T. Tillander, and C. Winroth, joint authors.

33193 THIELMANN, K. Die neuzeitliche technik im dienst der waldarbeit. Holz-Zentbl. 78(157,sup.):20-21. Dec.30,1952. 99.81 H742

33194 VICTORIA, AUSTRALIA. FORESTS COMMISSION. Statement presented to the British Commonwealth Forestry Conference, Ottawa, 1952. Melbourne, Gourley,1952. 19 p. 99.25 St2

Education

33195 BESLEY, L. The place of vocational training in the professional forestry curriculum. Forestry Chron. 28(4):50-56. Dec.1952. 99.8 F7623

33196 DOSKER, C. D. Trained men for tomorrow's production problems. Wood Working Digest 55:115-120. Feb.1953. 99.82 W87

33197 GUDIM, A. Instruction at Norway's Agricultural College. (In Norwegian.) Skogbrukeren 27:269-270. Dec.1,1952. 99.8 Sk54
In forestry.

33198 HJORT, R. Vocational education is advancing. (In Swedish.) Skogen [Stockholm] 39:122*-123*. Nov.15, 1952. 99.8 Sk51
Chiefly forestry education.

33199 ROSSMÄSSLER. Zur frage der zweijährigen forstschulausbildung. Forstl. Mitt. 5:241. Nov.5,1952. 99.8 F7725

33200 STROHMEYER, G. Zur ausbildungsreform des revierförsterstandes. Forstl. Mitt. 5:266-267. Dec.5,1952. 99.8 F7725

Policies, Programs, Administration

33201 ALLEN, J. C. A half century of reforestation in the Tennessee Valley. J. Forestry 51:106-113. Ref. Feb.1953. 99.8 F768

33202 ANDERSON, M. L. Sustention and maximum benefit as elements in forestry policy. (Sum.) Brit. Agr. B. 5:320. Jan.1953. 10 B776

33203 BAIKIE, J. W. Industry demands a Royal Commission to expose incompetency. Canada Lumberman 73 (2):103. Feb.1953. 99.81 C16
Need for management policy in British Columbia.

33204 BIØRN-HANSEN, E. Reforestation in Kvam, Hordaland. (In Norwegian.) Tidsskr. f. Skogbruk 60:186-190. Aug.1952. 99.8 T432

33205 BORKENHAGEN. Der neue gemeindewald-arbeitertarif in Hessen. Forstl. Mitt. 5:218-219. Oct.5, 1952. 99.8 F7725

33206 BOUDY, P. L'oeuvre forestière de la France au Maroc. Rev. du Bois 8:21-25. Jan.1953. 99.82 R32

33207 BUELL, B. G. The forest industry's coöperative research program. Mich. Acad. Sci. Arts & Let. Papers 37:111-117. 1951,pub.1952. 500 M582
Lake States.

33208 DROST, P. J. Results of the forestation program of the Danish Heath Exploitation Company. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:300-303. Nov.1952. 12 N282

33209 DUBOIS, A. La législation constituant un Fonds Forestier en France et ses répercussions sur la forêt paysanne. Forêts de France et Action Forest. 42: 4-6. Oct./Nov.1952. 99.9 F315

33210 EGGELING, M. D. Municipal forest administration in Ontario. Empire Forestry Rev. 31:318-324. Dec.1952. 99.8 Em72

33211 GEORGIA. FORESTRY COMMISSION. Forward in forestry. Biennial report of progress 1949-1950. Atlanta,1952? 51 p. 99.9 G295Bi

33212 GOISLARD, P. H. Erfolgreiche aufforstung in Frankreich. Allg. Forstztg. 64:13. Jan.1953. 99.8 AL53

33213 ILVESSALO, Y. International forestry research goes forward in new form. (In Finnish.) Metsätaloudellinen Aikakauslehti 10:255-257. 1952. 99.9 F49

33214 INTERNATIONAL UNION OF FOREST RESEARCH ORGANIZATIONS. Annual report January 1-December 31, 1951. Zurich,1952. 44 p. 99.9 In82A

33215 ISAAC, L. A. Biological aspects of forest conservation in Washington and Oregon. Biol. Colloquium 13:12-15. 1952. 442.9 B524

33216 ISRAEL.DEPT. OF FORESTS. Summary report for the year 1951-52. Nathanya,1952. 6 p. 99.9 Is7
Extract from the Hebrew text.

33217 JAMES,N. D. G. A forestry letter. IV. New Year resolutions. Land Agents' Soc. J. 52:17-19. Jan. 1953. 282.9 L22

33218 KENYA FOREST DEPT. Report for the years 1948, 1949, 1950. Nairobi,1952. 62 p. 99.9 K42

33219 KERNAN, H. S. Planting fuel in Iran. Land 11:313-316. Jan.1953. 279.8 L22
Reforestation with Ailanthus glandulosa.

33220 KHAN, A. H. The trees, their role in our economy and our duty. Pakistan J. Forestry 2:265-272. Oct.1952. 99.8 P17

33221 LONG, A. Village or community forests. Burmese Forester 2:26-32. Mar.1952. 99.8 B92

33222 LUSSIER, O. Conservation des forêts du Québec. Forêt. Conserv. 18(10):8-9,11-12. Dec.1952. 99.8 F792

33223 MAKIL, J. An effective and practical forest policy. Forestry Leaves 5(4):20-22. Oct.1952. 99.8 P532

33224 MANTEL, K. Entwicklungstendenzen der holzerzeugung und - versorgung. Holz-Zentbl. 78:2033-2034,2067-2069,2089-2090. (Cont.) Dec.6,13-16,1952. 99.81 H742
Forestry policies and programs, forest industries, wood utilization, fuel etc.

33225 MILMOE, W. Our study of the forest preserve. N. Y. State Conserv. 7(3):8-9. Dec.1952/Jan. 1953. 286.8 N4822

33226 MOORE, R. Free aid and forestry. Pa. Forests 37:89-91. Oct./Dec.1952. 99.8 F763

33227 MORISON, M. B. Public policy regarding forest lands in Canada. Forestry Chron. 28(4):57-63. Ref. Dec.1952. 99.8 F7623

33228 NATAL UNIVERSITY. WATTLE RESEARCH INSTITUTE. Report for 1951-1952 (fourth-fifth years). Pietermaritzburg,1952. 75 p. 99.9 N192

33229 NELSON, A. Z. Freedom for resources. What's Happening Forestry 4(1,sup.),5 p. Jan.1,1953. 99.9 H14
Address at a meeting of the Forestry and Wood Industries Committee of the New England Council, Boston, Mass., Nov. 20, 1952.

33230 PETITMERMET, M. Quelques aspects de la politique forestiere de la Confederation Suisse. Soc. Roy. Forest. de Belg. B. 59:409-429. Oct.1952. 99.9 B83

33231 PRIOTON. Perspectives forestières de la Commission de Modernisation et d'Équipement du Bas-Rhône-Languedoc. Rev. Forest. Franç. 1:42-46. Jan. 1953. 99.8 R329

33232 STEINBERG, D. S. Forests for the future. Ohio Conserv. B. 17:24-25,30. Jan.1953. 279.9 Oh330
Program.

33233 TOWELL, W. E. Broodstock and the future. Mo. Conserv. 14:11. Jan.1953. 279.8 M69
Reforestation.

33234 TRINIDAD AND TOBAGO. FOREST DEPT. Annual administrative report for the year 1951. Trinidad,1952. 28 p. 99.9 T73

33235 U. S. FOREST SERV. Report 1951/52; America's stake in world forestry. Washington,1953. 64 p. 1 F76

33236 VAN CAMP, J. L. Interpreting forestry to the layman. Forestry Chron. 28(4):64-70. Dec.1952. 99.8 F7623

33237 VAUX, H. J. Economic measures of forest conservation. Biol. Colloquium 13:19-24. 1952. 442.9 B524

Legislation and Taxation

33238 BERCY, D. Quelques considérations génerales en matière forestière. Bois et Scieries 58:1357-1358. Dec.25,1952. 99.81 B632
Forest legislation.

33239 CASTAGNOU. Un nouveau code forestier. Rev. du Bois 8:5-6. Jan.1953. 99.82 R32

33240 MAHR, W. Betrachtungen und wünsche zu einem hessischen forstgesetz. Allg. Forstz. 8:37-39. Jan.21,1953. 99.8 AL52

33241 MARKWART. Eine nichtamtliche stimme aus Bayern zum bundesforstgesetz. Forstl. Mitt. 5:205-207. Sept.20,1952. 99.8 F7725

33242 MAUSER, H. Was geht im urwaldgebiet Nordamerikas vor sich? Zur forstlichen gesetzgebung im hauptgebiet der amerikanischen forstwirtschaft. Allg. Forstztg. 64:8-10. Jan.1953. 99.8 AL53

33243 ROTTIN, B. A propos des taxes forestières et des comptes spéciaux du tresor. Bois et Scieries 59:65, 67,69. Jan.15,1953. 99.81 B632

33244 SCHIETHART, L. J. The draft for a new forest law. I. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:337-341. Dec.1952. 12 N282

33245 SOEST, J. VAN. The forest law draft. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:323-328. Dec.1952. 99.8 N28

Forest Description and Resources

33246 DU VIGNAUX, M. F. M. France's forests. (In Norwegian.) Tidsskr. f. Skogbruk 60:239-251. Oct.-Nov.1952. 99.8 T432

33247 ESPINOSA, L. M. Forestry problems in Antique. Forestry Leaves 5(4):25,30. Oct.1952. 99.8 P532

33248 FRANCE-HARRAR, A. Dürre steppe—feuchter urwald. Allg. Forstztg. 64:6-8. Jan.1953. 99.8 AL53
Mexico.

33249 GAZONNAUD. La forêt d'A.E.F., source inépuisable de pate a papier. Rev. Internatl. des Prod. Colon. 27:231-232. Dec.1952. 286.8 R326

33250 GUTTORMSSON, P. The forest at Hallormsstað. (In Icelandic.) Garðyrkjufélag Islands. Arsrit 1952: 38-41. 86 Is4

33251 HØDAL, A. A mature forest planting in Hordaland. (In Norwegian.) Tidsskr. f. Skogbruk 60:173-179. Aug.1952. 99.8 T432

33252 LERCHBAUMER, A. Die küstenurwälder von British Columbia. Allg. Forstztg. 64:11-13. Jan.1953. 99.8 AL53

33253 L'ESTRANGE, J. A. Forest beauty which our people ignore. Veldtrust 13(10):27-28. Oct.1952. 56.8 V54
South Africa.

33254 MCADAM, J. B. The forests of the Territories of Papua and New Guinea. Austral. Timber J. 18:674-675,677-678,680-681,683,685-689,691-692,695,697,699, 701-702,705. Sept.1952. 99.81 Au7

33255 MCCORMACK, J. F. Forest statistics for southeast Georgia, 1952. U. S. Forest Serv. Soeast. Forest Expt. Sta. Forest Survey Release 39,38 p. Oct. 1952. 1.9622 A3F76

33256 MEYER, K. A. Frühere verbreitung der holzarten und einstige waldgrenze im Kanton Wallis. III. Schweiz. Anst. f. das Forstl. Versw. Mitt. 28:157-208. 1952. 99.9 Sch92

33257 MOLDENHAWER, K. On the wood situation in the beech forest area. (In Swedish.) Skogen [Stockholm] 39:137*,145*. Dec.15,1952. 99.8 Sk51

33258 MORGAN, J. T. Hoosier forest harvest. Outdoor Ind. 19(12):16-18. Dec.1952. 279.8 Ou82
Resources.

33259 TEAGUE, B. The Urewera forest area. Forest & Bird 106:6-8. Nov.1952. 413.9 N42

33260 VILLA CARRASQUILLA, J. Deforestación, agricultura y combustible. Soc. Antioqueña de Agr. B. Agr. 391:3727-3728. Nov.1952. 9.4 So1
Forest resources in Colombia and use of wood as fuel.

Individual Genera and Species

33261 ALBRIGHT, H. M., and TAYLOR, F. J. How we saved the big trees. Sat. Evening Post. 225(32):30, 107-108. Feb.7,1953. 110 Sa8
Sequoias.

33262 ARNBORG, T. Our third tree species; on birch and birch culture. (In Swedish.) Skogen [Stockholm] 39:240-242. Dec.1,1952. 99.8 Sk51

33263 AUGHANBAUGH, J. E. Appreciation of trees in the wintertime. Pa. Forests & Waters 4:122-125,142-143. Nov./Dec.1952. 99.8 P38

33264 BARRAND. Pin du Brésil ou Paraná pine [Araucaria angustifolia]. Rev. Internatl. des Prod. Colon. 27:229-230. Dec.1952. 286.8 R326
Description of the tree and characteristics of the wood.

33265 BERTHAULT, P. L'utilisation et l'avenir du peuplier. Rev. Agr. de l'Afrique du Nord 50:688-689. Oct.17,1952. 80 R326

33266 BUBLITZ, W. Die wichtigsten holzarten des monsunwaldes kolumbiens. Z. f. Weltforstwirt. 15:211-212. (Cont.) Oct.1952. 99.8 Z35

33267 CHAMPANHET, A. Le bois de teck. Rev. Internatl. des Prod. Colon. 27:226-228. Dec.1952. 286.8 R326
The industry.

33268 CONRAD, H. The York County big holly tree. Pa. Forests & Waters 4:133,140. Nov./Dec.1952. 99.8 P38

33269 DIMITRI, M. J. Consideraciones sobre árboles y arbustos cultivados en el litoral patagónico. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):1-10. Oct.1952. 9 Id3

33270 DUNCAN, K. Cottonwood, the tree of romance. Frontiers 17:76-77. Feb.1953. 410 F92

33271 EM, H. Mazedonische namen von eichenarten. (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Šumarski Fakul. God. Zbornik 3:71-81. 1949/50,pub.1951. 21.5 Sk5
German summary.

33272 FISCHER, F. Einige ergebnisse aus dem internationalen lärchenversuch 1944. Schweiz. Anst. f. das Forstl. Versw. Mitt. 28:355-407. Ref. 1952. 99.9 Sch92

33273 GARDNER, C. A. Trees of Western Australia. 7-9. West. Austral. Dept. Agr. J. (ser.3)1:649-654. Sept./Oct.1952. 23 W52J
Eucalyptus varieties.

33274 GILL, C. E. Black walnut (Juglans nigra, L.). Va. Forests 7(6):10-11. Nov./Dec.1952. 99.8 V81

33275 GUINIER, P. Le méléze. Rev. du Bois 8:7-10. Jan.1953. 99.82 R32

33276 HAAVE, S. Oak forest. (In Norwegian.) Skogbrukeren 27:266-267. Dec.1,1952. 99.8 Sk54

33277 IORNS, B. Bushmen's names of trees. Forest & Bird 106:10-12. Nov.1952. 413.9 N42

33278 KIERULF, T. The world's northernmost pine forest. (In Norwegian.) Skogen [Oslo] 17:112-113. 1952. 99.8 Sk56

33279 KRYN, J. M. Gonçalo alves. Astronium fraxinifolium Schott, and Astronium graveolens Jacq., including var. planchonianum (= A. planchonianum Engl.), family: Anacardiaceae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1934,7 p. Ref. 1952. 1.9622 S4R312

33280 KUMMER, G. Die nadelhölzer im Kanton Schaffhausen mit verzeichnis der forstmeister im zeitraume 1831-1950. Natforsch. Gesell. Schaffhausen. Mitt. 24:107-164. 1952. 508 Sch1

33281 LANDMANN, W. Die pappel. Forstl. Mitt. 5: 229-233. Ref. Oct.20,1952. 99.8 F7725

33282 MACDONALD, J. A. B. The place of Pinus contorta in British silviculture. Brit. Agr. B. 5:332. Jan. 1953. 10 B776

33283 MATHIEU, H. Le mélèze (Larix Link). Bois et Scieries 58:1223,1225. Nov.27,1952. 99.81 B632

33284 MILLAHN, G. Naturdenkmäler unserer wälder. Wald 2:366-367. Dec.1952. 99.8 W143

33285 MOTA, J. I. S. DA. Culture and industry of Salix. (In Portuguese.) Chacaras e Quintais 86:831-834. Dec.15,1952. 9.2 C34

33286 MUELLO, A. C. El alcanforero Cinnamomum camphora (L.). Bolsa de Com. Rosario. Rev. 40(983):3. Dec.31,1952. 287 R71
Chiefly culture.

33287 NORMAND, D. Ekop ou Andoung, une des essences intéressantes a retenir. Bois et Forets des Trop. 26:381-387. Nov./Dec.1952. 99.8 B632
English summary.
Tetraberlinia bifoliata.

33288 NORMAND, J. Les lieges en Afrique du Nord. Bois et Scieries 59:86-87. Jan.15,1953. 99.81 B632

33289 PICKEL, B. J. The bald cypress [Taxodium distichum] and its value for reforesting the Pantanal. (In Portuguese.) Lav. e Criação 7(43):43-44. Oct.1952. 49 L392

33290 RADULOVIĆ, S. La valeur de culture d'Ailanthe chez nous. (In Serbo-Croatian.) Šumarstvo 5: 318-323. July/Aug.1952. 99.8 Su63
French summary.

33291 ROHDENBURG, G. L. Some notes on the beach plum [Prunus maritima]. N. Y. State Conserv. 7 (3):6-7. Dec.1952/Jan.1953. 286.8 N4822

33292 SANTOS BILONI, J. Un arbol indigena de mucha utilidad es el "tatane" llamado tambien "palo cascarudo." Mundo Agr. 4(43):42. Dec.1952. 9 M92
Botanical aspects and uses of the wood of Pithecellobium scalare.

33293 SANTOS BILONI, J. El yuchan o palo borracho bajo su aspecto botánico y sus mas variadas aplicaciones. Mundo Agr. 4(42):72-73. Nov.1952. 9 M92
Chorisia insignis.

33294 SCHENK, P. J. Taxus baccata L., our ancient yew-tree. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:304-309. Nov.1952. 12 N282

33295 SIMAROUBA. Bois et Forets des Trop. 26:389-392. Nov./Dec.1952. 99.8 B632

33296 SMITH, R. B. Economic timbers of Florida. Fla. U. Bur. Econ. & Business Res. Econ. L. 11(12):1-4. Nov.1952. 280.9 F663
Forest species.

33297 TAMOLANG, F. N. Hoop pine: Australia's million dollar tree. Forestry Leaves 5(4):13-14,28. Oct. 1952. 99.8 P532

33298 WALLMANN. Zur einwanderung des nadelholzes in Nordwestdeutschland. Forst u. Holz 7:327. Dec.1,1952. 99.8 F7724

33299 WARD, J. D. U. The facts about sitka spruce [Picea sitchensis]. Country Life [London] 113:86-87. Jan.9,1953. 80 C83

33300 WATT, R. F. Western white pine [Pinus monticola] stands show irregular growth pattern. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 113,1 p. Nov.1952. 1.9622 N3R31

33301 WEMPE. Zu: einwanderung des nadelholzes in Nordwestdeutschland. Forst u. Holz 8:4-5. Jan.1,1953. 99.8 F7724

33302 WYATT-SMITH, J. Pocket check list of timber trees. Malayan Forest Rec. 17,182 p. 1952. 99.8 M29

33303 ZÜSCHEN, G. Zum vorkommen der weisstanne im Sauerland. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:54,59. Jan.8,1953. 18 L2346
Growth of Abies alba.

FOREST MANAGEMENT AND FINANCE

33304 ABETZ, K. Forsteinrichtung und neufeststellung der einheitswerte des forstwirtschaftlichen vermögens. Holz-Zentbl. 79:60-61. Jan.17,1953. 99.81 H742

33305 ALGVERE, K. V. Research in economics of forest management. (In Swedish.) Svenska Skogsvardsför. Tidskr. 50:358-379. 1952. 99.8 Sk5

33306 AMINOFF, F. Nature protection and natural values. VII. (In Swedish.) Skogen [Stockholm] 39:230, 234. Nov.1,1952. 99.8 Sk51
Includes forest management.

33307 ANDERSON, G. A. Silviculture of southern pines from the standpoint of integrated utilization of products. (Sum.) J. Forestry 51:93-94. Feb.1953. 99.8 F768

33308 BAUER, F. W. Pappelanbau bringt geld. Landwirt 1953:47-50. 18 L2342
Costs and returns.

33309 BJERKE, S. On hardwood forests. (In Norwegian.) Tidsskr. f. Skogbruk 60:226-230. Sept.1952. 99.8 T432
Returns.

33310 BØHMER, J. G. Reassessment of Oppland Province forests. (In Norwegian.) Tidsskr. f. Skogbruk 60:218-219. Sept.1952. 99.8 T432

33311 BOND, W. E. The case for all-aged management of southern pines. J. Forestry 51:90-93. Ref. Feb.1953. 99.8 F768

33312 BØRSET, O. The place of hardwood in our forests. (In Norwegian.) Skogbrukeren 27:273-278. Dec.15,1952. 99.8 Sk54

33313 BOURGENOT, L. Un disciple peu connu de Gurnaud: Brenot. et sa méthode d'aménagement des sapinières. Soc. Forest. de Franche-Comté et des Prov. de l'Est. B. Trimes. 26:425-442. Dec.1952. 99.9 So14

33314 CARRAPIETT, J. B. Plains forests. Burmese Forester 2:15-19. Mar.1952. 99.8 B92
Management.

33315 DANNECKER, K. Wo stehen wir in der praxis der waldbewirtschaftung? Allg. Forstz. 8:25-31. Jan.14, 1953. 99.8 AL52

33316 HARPER, V. L. Wood for the future. Land 11:270-275. Jan.1953. 279.8 L22
Forest management and resources.

33317 HARTMANN, F. Intensive und naturgemässe waldwirtschaft als folge einer zielbewussten entwicklung. Allg. Forstztg. 64:1-5. Jan.1953. 99.8 AL53

33318 HEYDEN, D. Der lohnunternehmer in der forstwirtschaft. Dreschen u. Pflugen 7:2-3. Dec.15,1952. 58.8 D81

33319 HEYWARD, F. Tree farming as an investment for the absentee owner. Forest Farmer 12(4):7-9,16. Jan.1953. 99.8 F7692

33320 HICKS, H. M. Serving the small landowner. Noeast. Wood Util. Council. B. 40:75-77. Jan.1953. 99.9 N819

33321 JØRGENSEN, F. Price-clutch-calculation for match timber of aspen. (In Norwegian.) Norway. Skogforsøksves. Meddel. 11:569-618. Ref. 1952. 99.9 N833
English summary.

33322 KASA, J. On the hardwood forest. (In Norwegian.) Tidsskr. f. Skogbruk 60:267-268. Oct.-Nov. 1952. 99.8 T432
Returns.

33323 KENNEDY, H. Forest management in Ontario. Forestry Chron. 28(4):71-78. Dec.1952. 99.8 F7623

33324 KMONITZEK. Die forstwirtschaft am jahresende. Holz-Zentbl. 78(157,sup.):15-17. Dec.30,1952. 99.81 H742

33325 LIAN, T. The role of hardwood trees in a spruce stand. (In Norwegian.) Tidsskr. f. Skogbruk 60: 264-266. Oct.-Nov.1952. 99.8 T432
Returns.

33326 LÜNZMANN, K. Neuerungen im waldstrassenbau. Forstarchiv 23:217-224. Ref. Dec.15,1952. 99.8 F7723

33327 MCCULLEY, R. D. The case for even-aged management of southern pine. J. Forestry 51:88-90. Feb.1953. 99.8 F768

33328 MULLER, H. Vorrat, zuwachs und nutzung im walde. Grüne 81:2-5,107-112. (Cont.) Jan.2,23,1953. 17 Sch9
Beiträge für Waldwirtschaft, 18.

33329 RAZOUS, P. La productivité en exploitation forestière en scierie et dans les industries du bois. Bois et Scieries 58:1127,1129,1131,1193,1195,1291,1293. Nov.6,20,Dec.11,1952. 99.81 B632

33330 RAZOUS, P. La productivité en exploitation forestiére en scierie et dans les industries du bois. Bois et Scieries 58:1353,1355. (Cont.) Dec.25,1952. 99.81 B632

33331 RAZOUS, P. La productivité en exploitation forestière en scierie et dans les industries du bois. Bois et Scieries 59:43,45,78-79. (Cont.) Jan.8-15,1953. 99.81 B632

33332 ROSELIEB. Erfahrungen und abänderungsvorschläge zu dem ab 1. 10. 1951 im Lande Hessen neueingeführten holzverbuchungsverfahren. Forstl. Mitt. 5:194-195. Sept.5,1952. 99.8 F7725

33333 SCHAMEL, K. Einige fragen zum prinzip der wirtschaftlichen rechnungsführung. Wald 2:361-366. (Cont.) Dec.1952. 99.8 W143
Forestry.

33334 SEIP, H. K. Valuation of forest for expropriation. (In Norwegian.) Skogeieren 39:187-188. Dec.15, 1952. 99.81 Sk5

33335 SHERRY, S. P. A revised valuation of wattle plantations for insurance. Natal. U. Wattle Res. Inst. Rpt. 4/5:73-74. Oct.1952. 99.9 N192

33336 SOLDANO, O. R. Nuestra riqueza forestal debe defenderse con la explotación racional de los bosques. Mundo Agr. 4(43):72-73. Dec.1952. 9 M92
Argentina.

33337 SPIRANEC, M. La rente differentielle dans l'economie forestière. (In Serbo-Croatian.) Sumarski List 76:276-281. Aug.1952. 99.8 Su6
French summary.

33338 SYMPOSIUM on Southern silviculture. J. Forestry 51:88-95. Feb.1953. 99.8 F768
With papers by R. D. McCulley, W. E. Bond, G. A. Anderson and T. R. Moberg, and comments by S. V. Sihvonen and R. H. Westveld.
Management.

33339 TROMP, P. H. M. Good forestry tools. I. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:313-314. Nov.1952. 12 N282

33340 VEKSHEGONOV, V. IA. Tekhniko-ekonomicheskie raschety osnovnykh pokazateleĭ raboty lesozashchitnykh stant͡siĭ [Technical and economic calculations of the basic work indexes of forest conservation stations]. Moskva,Akademiĭa Nauk SSSR,1952. 60 p. 99.7 V53

33341 WORTHAM, R. W. Timber profitable business for East Texas. East Tex. 27(4):6,15. Jan.1953. 6 Ea73

33342 YODER, R. A. Drafting timber sale contracts from a forester's standpoint. J. Forestry 51:98-100. Feb.1953. 99.8 F768

Farm Woodlands

33343 KRAUSS, N. Probleme der bauernwaldförderung. Bauernwald 6:38-39. Dec.6,1952. 99.8 B32

33344 LUDVIGSEN, F. P. Can the assessments of the Norwegian Forest Society throw light on the conditions of our farm forests? (In Norwegian.) Tidsskr. f. Skogbruk 60:205-214. Sept.1952. 99.8 T432

33345 NEWTON, L. A. Shelter belts. Edinb. and East Scot. Col. Agr. B. 36:53-54. June 1952. 103 Ed4E

33346 THOMSON, J. M. Reclaiming cut-over woodland. Scot. Agr. 32:117-120. Winter 1952/53. 10 Sco82So

Mensuration, Surveying, Photogrammetry

33347 BITTERLICH, W. Schallmesstechnik in der forsteinrichtung. Allg. Forstztg. 64:14-15. Jan.1953. 99.8 AL53

33348 GENSCHOW. Gedanken und vorschläge zu einer neufassung der Homa. Forst u. Holz 7:324-326. Dec.1,1952. 99.8 F7724
Holzmessanweisung.

33349 GIERSIG, W. Photogrammetrie in der forstwirtschaft. Allg. Forstztg. 64:10-11. Jan.1953. 99.8 AL53

33350 GRUNDNER, F., and SCHWAPPACH. Massentafeln zur bestimmung des holzgehaltes stehender waldbäume und waldbestände. Ed. 10, rev. and edited by R. Schober. Berlin,Parey,1952. 216 p. 99.4 G92M

33351 HEATH, G. R. Simple devices aid use of aerial photographs. J. Forestry 51:125-127. Feb.1953. 99.8 F768
With comment by R. N. Colwell.

33352 LOETSCH, F. Der einfluss von höhenstufen und holzarten auf einen einheitlichen massentarif bei mitteleuropäischen waldvorratsinventuren. Z. f. Weltforstwirt. 15:185-196. Ref. Oct.1952. 99.8 Z35
English summary.

33353 LØVENGREEN, J. A. Hypsometers. (In Danish.) Dansk Skovfor. Tidsskr. 37:590-601. Dec.1952. 99.8 D23

33354 MIHAJLOV, I. Uber die anwendung der methode der kleinsten quadrate bei der aufstellung von massentafeln mit einem eingange. (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Šumarski Fakul. God. Zbornik 3:3-69. Ref. 1949/50,pub.1951. 21.5 Sk5
German summary.

33355 ORCHARD, C. D. B. C. cubic scale; board measure outdated, cubic scale imperative for uniformity, accuracy. Canada Lumberman 73(2):102,154. Feb.1953. 99.81 C16

33356 PETRINI, S. Calculation of volume to be cut for assessment purposes. (In Swedish.) Svenska Skogsvardsför. Tidskr. 50:299-318. 1952. 99.8 Sk5

33357 ROBINSON, J. M. The dot-reading overlay for the measurement of map areas. Canada. Forest Res. Div. Forest Air Survey P. 8,2 p. 1952. 99.9 C16Fa

33358 WECK, J. Anwendung von wuchsgesetzen als methode der forstlichen zuwachsforschung. Allg. Forstz. 8:39-43. Ref. Jan.21,1953. 99.8 AL52

33359 WEST-NIELSEN, G. A basal area measurer. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 73: 271-274. Dec.15,1952. 11 H35

Silviculture

33360 AFANASIJEV, D. Les essences à croissance rapide. (In Serbo-Croatian.) Šumarstvo 5:294-303. July/Aug.1952. 99.8 Su63
French summary.

33361 ANDERSON, A. Elementos de silvicultura. Rev. de Agr. [San José] 24:364,366-369,371-372. (Cont.) Dec.1952. 8 Ės1

33362 ARNSWALDT, H. J. VON. Dänische buchenwirtschaft. Forstarchiv 23:229-233. Ref. Dec.15,1952. 99.8 F7723

33363 BADOUX, E. Notes sur la production du mélèze. Schweiz. Anst. f. das Forstl. Versw. Mitt. 28: 209-270. Ref. 1952. 99.9 Sch92

33364 BAKER, F. S. Stand density and growth. J. Forestry 51:95-97. Feb.1953. 99.8 F768

33365 BINDSEIL. Zur pflege des eichenüberhaltes. Forst u. Holz 8:5-6. Jan.1,1953. 99.8 F7724

33366 DRAŠKOVIĆ, D. A propos de l'introduction du chataigniers (Castania vesca L) dans la région de Lastra. (In Serbo-Croatian.) Šumarstvo 5:202-211. Ref. May/June 1952. 99.8 Su63
French summary.

33367 DUHME, H., and WANDT, H. Die standortansprüche der pappeln. Hannoversche Land- u. Forstwirt. Ztg. 106:7,11. (Cont.) Jan.3,1952. 18 H194

33368 ESCUELA INDUSTRIAL DE SILVICULTURA DE MALDONADO. Conocimientos para producir arboles forestales. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(443):12-13. Nov.27,1952. 9.9 G15B

33369 GIBSON, W. N. Exotic conifers and their importance to forestry in Northern Ireland and the West of Scotland. Scot. Forestry 7:3-10. Jan.1953. 99.8 Sco3

33370 HVOSLEF, J. Growth and care of mountain birch. (In Norwegian.) Skogeieren 39:189. Dec.15,1952. 99.81 Sk5

33371 JANSEN, E. C., and BROEKHUIZEN, J. S. VAN. Selection of Scots pine. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:289-303. Nov.1952. 99.8 N28
English summary.

33372 KÄSA, J. The role of hardwood trees in spruce stands. (In Norwegian.) Tidsskr. f. Skogbruk 60: 129-146. Ref. June/July 1952. 99.8 T432

33373 KLEM, G. G. The influence of spacing on spruce quality. (In Norwegian.) Norway. Skogforsøksves. Meddel. 11:473-506. 1952. 99.9 N833
English summary.

33374 LASSEN, J. N. Two crowns for one. Observations on the effect of forking on the growth of trees. (In Danish.) Dansk Skovfor. Tidsskr. 37:519-528. Nov.1952. 99.8 D23

33375 RADIMIR, D. Die möglichkeit der erweiterung des korkeichenareals nach osten. (In Serbo-Croatian.) Sumarski List 76:255-263. Aug.1952. 99.8 Su6
German summary.
Quercus suber.

33376 RADONJIC, M. Zur stammformuntersuchung an rotbuche. (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Šumarski Fakul. God. Zbornik 3:247-266. 1949/50,pub.1951. 21.5 Sk5
German summary.

33377 RAWITSCHER, F., and PENDLETON, R. L. Climates of tropical forests and savannas. Siam Soc. Nat. Hist. B. 15:89-111. Ref. Sept.1952. 513 B222

33378 SHERRY, S. P. General environmental requirements for commercial cultivation of black wattle in South Africa. Natal. U. Wattle Res. Inst. Rpt. 4/5:64-67. Oct. 1952. 99.9 N192

33379 SHIPMAN, R. D. A silvical study of certain factors contributing to the differential height growth of plantation-grown tulip poplar [Liriodendron tulipifera]. J. Forestry 51:128-129. Feb.1953. 99.8 F768

Silvicultural Practices

33380 BECAVIN, H. Le recépage mécanique des accrus. Rev. Forest. Franç. 1:13-14. Jan.1953. 99.8 R329

33381 BERG, E. Fertilizing forests. (In Swedish.) Växt-Närings-Nytt 8(9):62-69. 1952. 57.8 V47
In Norway.

33382 BOBACK, A. W. Fragen um das zuwachsproblem. Wald 2:373-374. Dec.1952. 99.8 W143
Forests.

33383 BURNS, P. Y., and NICHOLS, J. M. Oak pruning in the Missouri Ozarks. Mo. Agr. Expt. Sta. B. 581, 8 p. Apr.1952. 100 M693

33384 DALGLEISH, T. W. Cleanings after a gale. Scot. Forestry 7:15-16. Jan.1953. 99.8 Sco3
Drainage and thinning.

33385 FUCHS, H. Vermehrung des holzvorrates durch erhöhte wasserzufuhr. Forstl. Mitt. 5:181-182,193-194. Aug.20-Sept.5,1952. 99.8 F7725

33386 GUT, R. C. La boussole, instrument de martelage. Forêt 6:22-23. Nov.1952. 99.8 F7683

33387 HAGSTROM, B., and MAGNUSSON, W. Performance and costs of mechanical tillage. (In Swedish.) Svenska Skogsvardsför. Tidskr. 50:380-390. 1952. 99.8 Sk5

33388 MACKENZIE, J. M. D. Disbudding Scots pine. Scot. Forestry 7:11-14. Jan.1953. 99.8 Sco3

33389 MARTIN, H. Motorisierte kulturpflege. Allg. Forstz. 8:52-53. Jan.28,1953. 99.8 AL52
Mowing equipment.

33390 MESHECHOK, B. Rejuvenation areas with seed tree groups. (In Norwegian.) Tidsskr. f. Skogbruk 60:157-159. June/July 1952. 99.8 T432

33391 MOBERG, T. R. Silviculture of southern pines from the standpoint of growing sawlogs. (Sum.) J. Forestry 51:94. Feb.1953. 99.8 F768

33392 MØLLER, C. M. Effect of thinning on volume growth. (In Danish.) Svenska Skogsvardsför. Tidskr. 50: 319-342. 1952. 99.8 Sk5

33393 NÄGELI, W. Aufastungsversuche in gleichaltrigen nadelholzbeständen des schweizerischen mittellandes. Schweiz. Anst. f. das Forstl. Versw. Mitt. 28: 271-354. Ref. 1952. 99.9 Sch92

33394 RUFFER, H. Produktionssteigerung im auewald. Wald 2:379-380. Dec.1952. 99.8 W143
Selection cutting.

33395 TROUP, R. S. Silvicultural systems. Ed. 2, edited by E. W. Jones. Oxford,Clarendon Press,1952. 216 p. 99.45 T75S

33396 U. S. FOREST SERV. Tests of P. M. products girdling machine, by L. E. Chaiken, V. S. Jensen, R. R. Fenton, and I. H. Sims. Washington? 1952. 6 p. 1.962 A2T28

33397 WILLIAMSON, M. J. Young Virginia pine responds to thinning and pruning. J. Forestry 51:129. Feb. 1953. 99.8 F768

Seeding and Planting

33398 ALARCON CH., P. J. Donde vamos a sembrar los arboles. Rev. Nac. de Agr. 46(572):21-27. Dec.1952. 9.4 R32

33399 ARNBORG, T. A new model dewinging apparatus. (In Swedish.) Skogen [Stockholm] 39:135*. Dec.15, 1952. 99.8 Sk51

33400 BEVER, D. N. The relationship of stocking percent to number of trees per acre on artificially seeded areas. Oreg. State Bd. Forestry. Res. Note 9,9 p. Dec. 1952. 99.9 Or32R

33401 BEVER, D. N. A summary of notes from ten experimental direct seeding plots established in the Cochran area from 1944 to 1947. Oreg. State Bd. Forestry. Res. Note 8,23 p. Nov.1952. 99.9 Or32R

33402 BLOCH, H. Aufforstungserfahrungen aus Südamerika. Allg. Forstztg. 64:13-14. Jan.1953. 99.8 AL53

33403 BREVINAC, M. M. Rural afforestation work in Serbia. (In Serbo-Croatian.) Šumarski List 76:303-311. Aug.1952. 99.8 Su6
English summary.

33404 CHERREY. Tendances lyonnaises en matière de reboisement. Rev. Forest. Franç. 1:6-10. Jan.1953. 99.8 R329

33405 DEITSCHMAN, G. H., and LANE, R. D. Forest planting possibilities on Indiana coal-stripped lands. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 131,57 p. Ref. Dec.1952. 1.9622 C3T222

33406 ESCHMENT, D. Ein neuer pflanzlochbohrer. Tech. f. Bauern u. Gärt. Ausg. A 4:519-520. Nov.25,1952. 58.8 T223

33407 GARACK, J. Erfahrungen bei aufforstungen von grosskahlflächen. Wald 2:376. Dec.1952. 99.8 W143

33408 GONZALEZ PINO, A. R. Siembra de almacigos. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(444): 11-12. Dec.4,1952. 9.9 G15B

33409 GOOCH, F. S. Nursery culture of cypress. South. Lumberman 186(2324):37-38. Feb.1,1953. 99.81 So82

33410 HOUTERMANS. Die Salmünsterer eichelhütte. Forstl. Mitt. 5:255. Nov.20,1952. 99.8 F7725
Storage building.

33411 HOUTZAGERS, G. Selection and breeding in forestry. (In Dutch.) Houthandel 5:369-372. Dec.18, 1952. 99.81 H81

33412 JANSEN, E. C. Quality improvement of trees for seed production. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:310-312. Nov.1952. 12 N282

33413 KERMODE, C. W. D. The flowering of kyathaungwa (Bambusa polymorpha). Burmese Forester 2: 9-14. Mar.1952. 99.8 B92
And attempted regeneration with teak.

33414 LANTZ, A. Budding of pine. (In Swedish.) Skogen [Stockholm] 39:136*. Dec.15,1952. 99.8 Sk51

33415 LEIBUNDGUT, H., and KUNZ, R. Untersuchungen über europäische lärchen verschiedener herkunft. I. Schweiz. Anst. f. das Forstl. Versw. Mitt. 28: 408-496. 1952. 99.9 Sch92

33416 MACDONALD, J. Recent developments in forest nursery practice in Great Britain. Brit. Agr. B. 5:324-328. Jan.1953. 10 B776

33417 MILLAHN, W. Das pflugverschulverfahren. Wald 2:378. Dec.1952. 99.8 W143
Trees.

33418 MOFFETT, A. A. Differential germination in the black wattle (Acacia mollissima [i.e. A. decurrens mollis] Willd.) caused by seed treatment. Natal. U. Wattle Res. Inst. Rpt. 4/5:39-50. Oct.1952. 99.9 N192

33419 MORK, E. Experiments with different densities of sowing and different spacings for Norway spruce in Kvatninga Forest Nursery. (In Norwegian.) Norway. Skogforsøksves. Meddel. 11:527-567. 1952. 99.9 N833
English summary.

33420 NIER. Technique des reboisements dans le département de la Loire. Rev. Forest. Franç. 1:29-39. (Concl.) Jan.1953. 99.8 R329

33421 PADGETT, J. R. Root pruning makes athel [Tamarix aphylla] good windbreak. Tex. Farming & Citricult. 29(6):12-13. Dec.1952. 80 T31

33422 RÄDECKE, G. Kamplose kiefernwirtschaft, saat-ballenpflanzung. Wald 2:380-382. Dec.1952. 99.8 W143

33423 RUDEN, T. Forest tree breeding in Canada. (In Norwegian.) Skogbrukeren 27:261-265. Dec.1,1952. 99.8 Sk54

33424 RUDEN, T. Forest tree breeding in the U.S.A. (In Norwegian.) Skogbrukeren 27:237-243. Nov.1,1952. 99.8 Sk54

33425 RUDOLF, P. O., and RALSTON, R. A. Do age of mother trees and age of cones affect development of young jack pine? J. Forestry 51:121-124. Feb.1953. 99.8 F768

33426 SCHMITZ-LENDERS, B. Fuss-steckling oder setzrute bei der pappelpflanzen-anzucht? Forst u. Holz 8:1-2. Jan.1,1953. 99.8 F7724

33427 SCHÖNBACH. Fragen der forstpflanzenzüchtung, insbesondere anlage von saatzuchtplantagen. Wald 2: 358-360. (Cont.) Dec.1952. 99.8 W143

33428 SCOTT, D. R. M. Forest renewal. Sylva [Toronto] 8(6):3-9. Nov./Dec.1952. 99.8 Sy5

33429 SHERRY, S. P. The establishment and reestablishment of wattle plantations. Natal. U. Wattle Res. Inst. Rpt. 4/5:68-72. Oct.1952. 99.9 N192

33430 SIGGEIRSSON, E. I. Growing trees at the farm school at Hólum in Hjaltadal. (In Icelandic.) Garðyrkjufélag Íslands. Ársrit 1952:73-75. 86 Is4

33431 SOUTHERN FOREST TREE IMPROVEMENT COMMITTEE. Suggested projects in the genetic improvement of Southern forest trees. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 20,12 p. Dec.1952. 1.9622 S4St2

33432 STANKOVIĆ, D. Les méthodes de l'amélioration des plantes dans la sylviculture. (In Serbo-Croatian.) Šumarstvo 5:303-310. Ref. July/Aug.1952. 99.8 Su63
French summary.

33433 STEFANSSON, E. On problems in connection with collecting and extracting seeds from pine cones. (In Swedish.) Skogen [Stockholm] 40:12-15. (Cont.) Jan.1, 1953. 99.8 Sk51

33434 TUSET, R. Fabricación de macetas de barro crudo. Uruguay. Min. de Ganad. y Agr. B. Inform. 9 (445):7. Dec.11,1952. 9.9 G15B
For tree seed planting.

33435 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. New ideas in tree planting, by R. Rotty and B. Bergoffen. Washington,Nov.8,1952. 3 p. 1.914 R2R11

33436 VEIGA, A. DE A. Details of a study of forest species. (In Portuguese.) Rev. de Agr. [Piracicaba] 27: 275-278. Sept./Oct.1952. 9.2 R324
For reforestation in Brazil.

33437 VOGT, R. Experiences with natural regeneration in Hovin in Telemark. (In Norwegian.) Tidsskr. f. Skogbruk 60:180-185. Aug.1952. 99.8 T432

33438 WOODS, J. B., and BEVER, D. N. Progress report on the Cochran airplane seeding experiment. Oreg. State Bd. Forestry. Res. Note 10,10 p. Nov.1952. 99.9 Or32R

33439 WRIGHT, J. W. Pollen-dispersion studies: some practical applications. J. Forestry 51:114-118. Ref. Feb.1953. 99.8 F768

33440 ZAN, U. K. Choice of species in the Thitcho Plains Reserve of the Zigon Forest Division. Burmese Forester 2:20-25. Mar.1952. 99.8 B92

33441 ZEHETMAYR, J. W. L. Recent work on the problems of moorland afforestation. Brit. Agr. B. 5:329-332. Jan.1953. 10 B776

Forest Protection and Damage

33442 BOISGELIN, F. DE. Soignons nos bois. Forêts de France et Action Forest. 42:15. Oct./Nov.1952. 99.9 F315

33443 COINTAT, M. Cloture electrique en forêt. Rev. Forest. Franç. 1:15-16. Jan.1953. 99.8 R329

33444 EICK, H. J. Rauchschäden. Allg. Forstz. 8:32-33. Jan.14,1953. 99.8 AL52
Picea injured by sulphur dioxide gas.

33445 FERNANDEZ, S. P., and EVANGELISTA, A. J. Illegal kaingin: a national arson. Forestry Leaves 5(4): 23-24,30. Oct.1952. 99.8 P532

33446 HENNIG, R. Ermittlung von holzfäulen. Holz-Zentbl. 79:49. Ref. Jan.15,1953. 99.81 H742
Pressler increment borer detects red rot in spruce.

33447 LINDEMANN, W. Untersuchungen über verminderung von wildschäden auf natürlichem wege. Z. f. Weltforstwirt. 15:197-202. Oct.1952. 99.8 Z35
English summary.

33448 MAULER, J. Foret et gibier. Forêt 6:23-28. Nov.1952. 99.8 F7683

33449 POURTET, J., and TURPIN, P. Le Domaine des Barres endommagé par la tempête. Rev. Forest. Franç. 1:40-42. Jan.1953. 99.8 R329

33450 PUHN, W. J. Perils to the San Diego County forests. Calif. Gard. 43(4):4-6. Winter 1952. 80 C127
Fire, diseases, and insects.

33451 SHILOVA-KRASSOVA, S. A. On the silvicultural importance of the great spotted woodpecker in the southern forests of European U.S.S.R. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(4):15-24. Ref. 1952. 511 M85

33452 TURCKE. Chemische wildschutzmittel richtig anwenden! Allg. Forstz. 8:43-44. Jan.21,1953. 99.8 AL52
Forests.

33453 VAN DRESSER, C. Abuses under the mining laws: the great road block. Amer. Forests 59:18-19,42. Jan.1953. 99.8 F762

33454 VAN DRESSER, C. The forest land "steal." Nat. Mag. 46:90-92,108. Feb.1953. 409.6 N214
Mining laws.

Fire

33455 BARR, J. A. BLM's arctic fireguard. Our Pub. Lands 3(1):5,14. Jan.1953. 156.55 Ou7
Forest fire control.

33456 DAVIS, R. E. Protecting the farm forest from fire. Forest Farmer 12(4):14-15,18. Jan.1953. 99.8 F7692

33457 FOSS, W. M. After the storm. N. Y. State Conserv. 7(3):2-3. Dec.1952/Jan.1953. 286.8 N4822
Fire control and salvage problem.

33458 GALE, L. R. Up in smoke. Ky. Happy Hunting Ground 9:12. Jan.1953. 409.78 K41
Forest fires in Kentucky.

33459 KERR, E. F. Hard-boiled forest law enforcement. Forest Farmer 12(4):11,16. Jan.1953. 99.8 F7692
Louisiana forest fires.

33460 RICARD, L. Création d'un pare-feu a l'aide d'un tracteur. Rev. Forest. Franç. 1:11-12. Jan.1953. 99.8 R329

33461 ROWLAND, H. B. Teamwork on a fire. Forest Warden News 27:1-2. Jan.1953. 99.8 F7643

33462 SMITH, W. H. Drouth and fires bring weird pall of smog to endanger state forests. Pa. Forests & Waters 4:143-144. Nov./Dec.1952. 99.8 P38

33463 STEWART, T. Tennessee forest fires of last fall show need for additional protection. Tenn. Conserv. 18:16-19,30. Jan.1953. 410 T252

33464 WILLIAMS, K. F. Closing the woods. N. Y. State Conserv. 7(3):24-25. Dec.1952/Jan.1953. 286.8 N4822
Fire control.

Forest Influences

33465 IABLOKOFF, A. K. Le role hygrométrique des arbres morts dans l'équilibre thermo-dynamique des forêts. Rev. Forest. Franç. 1:17-28. Jan.1953. 99.8 R329

33466 MAŘAN, B., and LHOTA, O. Study of evaporation in forests and open areas. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. Rada B 25:61-82. Ref. Sept. 1952. 19.5 C332Ca

33467 PIROVANO, A. The tree a source of heat and of joy. (In Italian.) Agricoltura 1(11):34-37. Nov.1952. 16 Ag8226
Effects of trees upon climate.

33468 QUESADA C., W. Desforestación. Agr. Costarricense 10:293-296. Dec.1952. 8 Ag895

33469 WAHLIN, B. In defense of willows. (In Swedish.) Lantmannen 37:56-57. Jan.17,1953. 11 L234

Miscellaneous Forest Uses

33470 SCOTT, D. R. M., and FOWLE, C. D. The correlation of silvicultural systems and wildlife management. Forestry Chron. 28(4):79-84. Ref. Dec.1952. 99.8 F7623

FOREST INDUSTRIES AND TRADE

33471 BEDNALL, B. H. Milling and marketing of radiata pine in South Australia. Austral. Timber J. 18: 595,601-603,605. Sept.1952. 99.81 Au7

33472 CANADA. DEPT. OF TRADE AND COMMERCE. Canadian lumber, markets, prospects, competition. Foreign Trade 13(319),52 p. Feb.7,1953. 286.8 C162
Contains numerous signed articles on trade prospects in various countries.

33473 COOKE, P. T. Sale of coastal hardwood logs of N.S.W. on differential stumpages. Austral. Timber J. 18:616-618,621-623,625,627-628,631. Sept.1952. 99.81 Au7
Includes discussion.

33474 FRÖHLICH, T. Zur statistik der rohholzpreise. Holz-Zentbl. 79:14. Jan.8,1953. 99.81 H742

33475 GUGGEMOS, G. Richtige schnittverlustberechnung für die vorkalkulation. Holz 6:296-299. Dec. 1952. 99.82 H743
Losses of wood-using industries.

33476 HEINRICHS, W. Sowjet-export näher betrachtet. Norddeut. Holzwirt. 7(6):2. Jan.13,1953. 99.82 N75
Wood.

33477 KLOEPFER, E. Organisation der holzwirtschaft. Holz-Zentbl. 79:75. Jan.20,1953. 99.81 H742

33478 LEMMER, F. Stabilisierung auf dem westdeutschen holzmarkt. Internatl. Holzmarkt 43(23/24):8-9. Nov.22,1952. 99.81 In82

33479 MIEROP, H. W. S. VAN. Wood prices, season 1951-1952. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:310-312. Nov.1952. 99.8 N28

33480 MOLTESEN, P. Report on the study trip of the Forest Industry Commitee of the Commerce Department to Germany from October 6-12, 1952. (In Danish.) Dansk Skovfor. Tidsskr. 37:563-589. Dec.1952. 99.8 D23
Forest industries in Germany.

33481 NORDQUIST, M. Rules for drawing up contracts for timber and wood deliveries. (In Swedish.) Skogen [Stockholm] 39:134*,144*. Dec.15,1952. 99.8 Sk51

33482 ROSEN, FREIHERR VON G. 100 jahre deutscher holzimport. Holz-Zentbl. 78:2176-2178. Ref. Dec.30,1952. 99.81 H742

33483 SEED, A. Timber pricing (wholesale) in New Zealand. Austral. Timber J. 18:641-642,644,646-648. Sept.1952. 99.81 Au7

33484 SORNAY, J. Les ventes de coupes de bois de l'automne 1952 en Franche-Comté. Soc. Forest. de Franche-Comté et des Prov. de l'Est. B. Trimes. 26:448-453. Dec.1952. 99.9 So14

33485 SPEER, J. Die deutsche forst- und holzwirtschaft in ihrer abhängigkeit vom europäischen holzmarkt. Holz-Zentbl. 78(157,sup.):13-15. Dec.30,1952. 99.81 H742

33486 SVENSK TRÄVARU-TIDNING. Map of the Northern wood industries. Ed. 2. Stockholm,1952. 5 maps and 164 p. index. 99.77 Sv2

33487 URBANOVSKI, A. Production, consommation et commerce international du bois dans la période d'aprés la guerre. (In Serbo-Croatian.) Sumarstvo 5: 277-293. July/Aug.1952. 99.8 Su63
French summary.

33488 VIDAL. Ventes de bois sur pied et tendances des cours. Agr. Prat. 116:601-602. Dec.1952. 14 J82
France.

33489 WAGEMANN WIEDENBRUG, G. El comercio exterior chileno de maderas. Rev. Forest. Chilena 2: 126-130. (Cont.) Sept.1952. 99.8 R3292

33490 WERNER, H. Erläuterungen zur einführung des direktverkehrs mit rohholz, rinden und harzen. Wald 2(12,sup.),7 p. Dec.1952. 99.8 W143
Forest industries, products and management.

33491 YOUL, J. Report on 1951 tariff inquiry. Austral. Timber J. 18:570-573. Sept.1952. 99.81 Au7

33492 ZEHLER, F. Die verkaufs- und zahlungsbedingungen. Holz-Zentbl. 79:49-50. Jan.15,1953. 99.81 H742

Lumbering

33493 COOK, D. Chemi-peeling. N. Y. State Conserv. 7(3):10-11. Dec.1952/Jan.1953. 286.8 N4822
Loosening of bark from standing trees.

33494 COURSON, G. DE. La production forestière en Gold-Coast. Bois et Forets des Trop. 26:403-408. Nov./Dec.1952. 99.8 B632
English summary.

33495 EKLUND, R. Various barking and chipping methods in the woods in North America. (In Finnish.) Paperi ja Puu. B 34:429-441. Ref. Nov.21,1952. 302.8 P1991
English summary.

33496 FRANCIS, A. Principles and problems of workmen's compensation. Brit. Columbia Lumberman 37:52, 82. Jan.1953. 99.81 B77

33497 JUŠTŠUK, E. Barkning och barkningsmaskiner [Barking and barking machines]. Svenska Träforskinst. Trätek. Avd. Meddel. 34 B,45 p. Ref. 1952. 99.9 St6

33498 PUTKISTO, K. Barking of timber and transportable barking machines. (In Finnish.) Metsätaloudellinen Aikakauslehti 11:303-309. 1952. 99.9 F49
English summary.

33499 SKJØRTEN, K. Marking trees for saw logs. (In Norwegian.) Skogbrukeren 27:271-272. Dec.1,1952. 99.8 Sk54

Lumbering Equipment

33500 METZ. Eine neuerung auf dem gebiet der motorsägen. Forstl. Mitt. 5:268. Dec.5,1952. 99.8 F7725

33501 RANDEL, W. C. Cutting characteristics of different power saw chain designs. Mich. Agr. Expt. Sta. Q. B. 35:219-229. Nov.1952. 100 M58S

33502 STEINLIN, H., GRANDJEAN, E., and EGLI, R. Einige untersuchungen über die schnittleistung verschiedener sägen. Schweiz. Anst. f. das Forstl. Versw. Mitt. 28:88-108. Ref. 1952. 99.9 Sch92

33503 TROMP, P. H. M. Good forest equipment. II. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:342-345. Dec.1952. 12 N282

33504 TURNBULL, R. F. Sawing chains. Austral. Timber J. 18:661-662,664,667,669,671,673. Sept.1952. 99.81 Au7

Logging

33505 ABRAHAM, H. Logging problems in management and use of the high-elevation true firs. J. Forestry 51:129-131. Feb.1953. 99.8 F768
California.

33506 ARNOLD, J. F. Effect of heavy selection logging on the herbaceous vegetation in a ponderosa pine forest in northern Arizona. J. Forestry 51:101-105. Feb.1953. 99.8 F768

33507 CARR, G. J. Tree-length logging of pulpwood. Pulp & Paper Mag. Canada 53(12):136-138,140,142,144, 147,150. Nov.1952. 302.8 P96

33508 DOYLE, J. A. Good logging practices increase forest yields. Forestry Chron. 28(4):36-41. Dec.1952. 99.8 F7623

33509 DOYLE, J. A. Good logging practices increase forest yields. Timber Canada 13(6):23-26,37. Feb.1953. 99.81 T487

33510 HAKKARAINEN, A. E. Observations on an excursion in Sweden. (In Finnish.) Metsätaloudellinen Aikakauslehti 11:313-317. 1952. 99.9 F49
English summary.
Logging and hauling.

33511 HALONEN, V. On cooperation in truck transports of timber in winter. Metsätaloudellinen Aikakauslehti 10:277-278. 1952. 99.9 F49

33512 KOLPE, O. Transportation of logs by tractors. (In Swedish.) Skogen [Stockholm] 40:6-7. Jan.1,1953. 99.8 Sk51

33513 LINDGREN, H. G. Floating in public; floating ways during 1951. (In Swedish.) Sweden. Komkal. Kom. Meddel. 39:490-501. Nov.1952. 257.3 K832K

33514 LLOYD, A. H. Recent developments in the design and use of European gravity cableways for the extraction of forest produce. Forestry Abs. 14:4-9. Ref. Jan.1953. 241.01 Im7

33515 MÄKELÄ, T. O. Experience in the organization of a power-saw logging camp. (In Finnish.) Metsätaloudellinen Aikakauslehti 10:273-274. 1952. 99.9 F49

33516 SELIVANOV, P. A. Log transportation via the Kama-Volga route. (In Russian.) Lesn. Promysh. 9:20-22. Sept.1952. 99.82 L56

33517 SUNDBERG, U. Studies in forest transportation. I. (In Swedish.) Svenska Skogsvardsför. Tidskr. 50: 343-357. 1952. 99.8 Sk5
Cost.

Sawmills

33518 ADAM, J. Wartung und schmierung des vollgatters. Holz-Zentbl. 79:111-112. Jan.27,1953. 99.81 H742
Sawmills.

33519 ANTOINE, R. Comment scier les bois du Congo? Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 1:279-286. In Belgium. Min. des Colon. B. Agr. du Congo Belge 43(4). Dec.1952. 24 K83

33520 COLLINS, T. E., and THOMAS, D. P. Portable band mill integrated with logging points way to greater utilization. Wash. Inst. Forest Prod. B. 13,14 p. 1953. 99.9 W278

33521 DOUGHTY, H. V. Modern development in sawmilling equipment. Austral. Timber J. 18:606,609-611, 613-614,616. Sept.1952. 99.81 Au7

33522 HEYER, H. Gefahren der kreissäge. Holztechnik 32:648. Dec.1952. 99.82 H745

33523 HYLER, J. E. Cut off saws. Timber Canada 13(6):38-40. Feb.1953. 99.81 T487

33524 JUŠTŠUK, E. Avfallsmängder inom sågverksindustrin [Wood waste in the sawmill industry]. Svenska Träforskinst. Trätek. Avd. Meddel.20 B,20 p. Ref. 1952. 99.9 St6

33525 KRALJIC, B. Tabelaux indicateurs de l'utilisation du bois dans l'industrie du sciage et succès technique du sciage. (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Šumarski Fakul. God. Zbornik 3:123-143. 1949/50,pub.1951. 21.5 Sk5
French and German summaries.

33526 MAKKONEN, A. Presenting motors-saws, 51 super pioneer. (In Finnish.) Teho 9:431-433. 1952. 20 T98
English summary, p. 450.

33527 SCHMAUSSER, M. Die bedienung moderner sägenschärfautomaten. Holz-Zentbl. 79:113-114. Jan.27, 1953. 99.81 H742
Sawmills.

33528 SMITH, D. S. Performance of sawmill headrigs. Engin. J. 35:1310-1316. Dec.1952. 290.9 En3

33529 VLASOV, G. D. New method of calculating how to lay out plans for sawing logs. (In Russian.) Lesn. Promysh. 12(8):17-25. Aug.1952. 99.82 L56

33530 VOLKOV, V. N. How to exchange saws in frames more quickly. (In Russian.) Lesn. Promysh. 9: 28-29. Sept.1952. 99.82 L56

Processing and Woodworking

33531 ALTHERR, A. Formen der modernen holzbiegetechnik. Holz 6:293-294. Dec.1952 99.82 H743

33532 FONKIN, V. F. Wood cutting with direct feeding. (In Russian.) Derevopererabatyvaûshchaîà i Lesokhim. Promysh. 1(7):11-12. Oct.1952. 99.82 D44

33533 GECK, W. H. Schleifstaub soll nicht verheizt werden! Warum? Holztechnik 32:584-585. Nov.1952. 99.82 H745
Explosions caused by wood waste.

33534 GECK, W. H. Wo sind im betrieb die holzstaub-zündgefahren? Holztechnik 32:475-476. Sept.1952. 99.82 H745

33535 KIVIMAA, E. Was ist die abstumpfung der holzbearbeitungswerkzeuge? Holz als Roh- u. Werkst. 10:425-428. Nov.1952. 99.81 H74
Defects in wood.

33536 KRON, F. Die maserung des holzes. Holztechnik 32:63-65. Feb.1952. 99.82 H745

33537 RUB, F. Hochleistungswerkzeuge für die holzbearbeitung. Holztechnik 32:260-262,283. May 1952. 99.82 H745

33538 SIIMES, F. Abfallholz der mechanischen holzverarbeitung in Finnland. Holz als Roh- u. Werkst. 10: 379-380. Oct.1952. 99.81 H74

33539 WEINHOLD, W. Förderwesen und transportmittel in holzverarbeitenden betrieben. Holztechnik 32: 520-524. Oct.1952. 99.82 H745

Seasoning, Conditioning and Finishing

33540 ARSEN'EV, K. K. On seasoning wooden parts after veneering and gluing. (In Russian.) Derevopererabatyvaûshchaîà i Lesokhim. Promysh. 1(7):9-11. Oct. 1952. 99.82 D44

33541 FESSEL, F. Hartholztrocknung in der zentrifuge. Holz als Roh- u. Werkst. 10:391-394. Ref. Oct. 1952. 99.81 H74

33542 FESSEL, F. Ein wendepunkt der trockentechnik durch zerstörung und ablösung der strömungsgrenzschicht. Holz-Zentbl. 79:95-96. Jan.24,1953. 99.81 H742

33543 KESTING, W. Holzbeizen. Holztechnik 32:111-112. Mar.1952. 99.82 H745

33544 KIEFER, O. Der kiefer-rotationstrockner. Holztechnik 33:51-52. Jan.1953. 99.82 H745
Temperature in wood seasoning.

33545 KIEFER, O. Der "längsstromtrockner." Holz-Zentbl. 78:2164-2165. Dec.30,1952. 99.81 H742

33546 KOTILAINEN, M. Aspects on the timber drying kilns. (In Finnish.) Paperi ja Puu. B 34:471-474, 476-479. Ref. Dec.15,1952. 302.8 P1991
English summary.

33547 MARX, K. L. Der nitrozelluloselack in der holzoberflächenbehandlung. Holztechnik 32:305-306. June 1952. 99.82 H745

33548 MATHIEU, H. Le dessevage et l'étuvage des bois. Bois et Scieries 58:1159,1161. Nov.13,1952. 99.81 B632

33549 MATHIEU, H. Les séchoirs à bois à haute température et à réglage automatique. Bois et Scieries 59:7-9,11. (Cont.) Jan.1,1953. 99.81 B632

33550 MATHIEU, H. Les séchoirs à bois à haute température et à réglage automatique. Bois et Scieries 59:71,73,75. (Cont.) Jan.12,1953. 99.81 B632

33551 REICHERT, T. Neues verfahren zur holzuntersuchung und uberwachung von holztrocknungsanlagen. Holztechnik 32:6-9. Jan.1952. 99.82 H745

33552 TARANENKO, A. D. Calculating the moisture changes of linear dimensions and volume of wood. (In Russian.) Derevopererabatyvaûshchaîà i Lesokhim. Promysh. 1(7):3-9. Oct.1952. 99.82 D44

33553 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on the seasoning of wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R446, 16 p. Oct.1952. 1.9622 S4R312

33554 WRIGHT, G. W. Plant installation and drying costs for timber seasoning kilns. Austral. Timber J. 18: 651-652,655,657-659,661. Sept.1952. 99.81 Au7

Wood Preservation and Damage

33555 BENITO MARTÍNEZ, J. Conservación de maderas en sus aspectos teórico, industrial y económico. Volumen I. Estudio técnico de los antisépticos de tipo oleaginoso. Madrid,Instituto Forestal de Investigaciones y Experiencias,1952. 550 p. Ref. 300 B43C

33556 COLLEY, R. H. The evaluation of wood preservatives. I. Bell System Tech. J. 32:120-169. Ref. Jan. 1953. 335.8 B41

33557 EJSING, G. Durable posts. (In Danish.) Jydsk Landbr. 34:922-923. Dec.25,1952. 11 J99

33558 JACQUIOT, C. Le bleuissement des bois abattus ou débités. Bois et Scieries 59:53. Jan.8,1953. 99.81 B632

33559 JACQUIOT, C. Les échauffures des bois abattus. Bois et Scieries 59:84-85. Jan.15,1953. 99.81 B632

33560 JOST. Holz sparen und die holzfällzeit. Forstl. Mitt. 5:243. Nov.5,1952. 99.8 F7725

33561 KUKRA. Anerkennung für eine bedeutende erfindung. Wald 2:353-355. Dec.1952. 99.8 W143
Equipment in preservation of poles.

33562 LUDWIG, K. Holzkrankheiten I (der echte hausschwamm). Holztechnik 32:112-113. Mar.1952. 99.82 H745

33563 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Cause and prevention of blue stain in wood. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 225,rev.,4 p. Oct.1952. 1.9 F761
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering, Division of Forest Pathology cooperating.

33564 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on wood preservation. U. S. Forest Serv. Forest Prod. Lab. Rpt. R704, 29 p. Nov.1952. 1.9622 S4R312

33565 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications relating to fungus defects in forest products and to decay in trees. U. S. Forest Serv. Forest Prod. Lab. Rpt. R508,22 p. Nov.1952 1.9 F761R

33566 ZAYLSKIE, J. Treat your fence posts. N. Dak Agr. Col. Ext. C. A-184,6 p.-folder. Aug.1952. 275.29 N812Sa

FOREST PRODUCTS

33567 BIENFAIT, J. L. The Wood Institute T.N.O. in 1952. (In Dutch.) Houthandel 5:373-375. Dec.18,1952. 99.81 H81

33568 EUTING, H. H. Holzwerbung gedanken zum geplanten werbefeldzug für die holzverwendung. Holz 6: 261-264. Nov.1952. 99.82 H743
Advocates public relations.

33569 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. FOREST PRODUCTS RESEARCH BOARD. Forest products research 1951. London,1952. 66 p. 99.9 G796R

33570 HOUTERMANS. Die aushaltung von eichennutzscheit. Forstl. Mitt. 5:265-266. Dec.5,1952. 99.8 F7725

33571 JAMES, L. M., and YOHO, J. G. Income from timber products in the United States. J. Forestry 51:83-87. Feb.1953. 99.8 F768

33572 MAUNG, U. W. What is timber research and why. (Extr.) Burmese Forester 2:33-35. Mar.1952. 99.8 B92
Forest products.

33573 RISHELL, C. A. Research: the greatest market insurance. Natl. Hardwood Lumber Assoc. Ybk. & Off. Rpt. 55:299-300,302,304,306. 1952. 99.76 N211R

33574 TIMBER ENGINEERING CO. WASHINGTON, D. C. Advancements in wood research and timber engineering. Washington,1952. 31 p. 99.9 T484A

Lumber and Rough Products

33575 DUBRET, R. Productions mondiales. Bois et Scieries 58:1317,1319,1321. Dec.18,1952. 99.81 B632

33576 HUNT, G. M. Research on cross ties. Cross Tie B. 34(2):32,34,36,38. Feb.1953. 99.82 C87

33577 JUDSON, G. M., and SWITZER, G. L. Timber products marketing in northeast Mississippi. Miss. Agr. Expt. Sta. B. 494,24 p. Oct.1952. 100 M69

33578 KIERULF, T. Prices of hardwood lumber. (In Norwegian.) Skogen [Oslo] 17:109-112. 1952. 99.8 Sk56

33579 KLINE, M. E. Douglas fir predominant tie wood on West Coast. Cross Tie B. 34(2):11-12. Feb. 1953. 99.82 C87

33580 MAY, R. H. Lumber production in California and Nevada, 1951. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 17,14 p. Dec. 1952. 1.9 F7626F

33581 POPOV, N. A. Expedient technological process in wood-sawing and wood-processing enterprises (In Russian.) Lesn. Promysh. 12(8):25-28. Aug.1952. 99.82 L56
Includes lumber grading.

33582 RADIVOJEVIĆ, R. Travers pour chemins de fer en chêne. (In Serbo-Croatian.) Šumarstvo 5:220-221. May/June 1952. 99.8 Su63
French summary.

33583 SANTOS, G. L. Know your export logs. Forestry Leaves 5(4):10-12,30. Oct.1952. 99.8 P532

33584 SAVILLE, G. The transport of timber. 6. Vehicle costs. Wood [London] 18:38-39. Jan.1953. 99.82 W855
Lumber.

33585 SCHILDBERGER, K. Kaufverträge. Bauer 5(45):14-15. Dec.20,1952. 19 B32
Lumber in Austria.

33586 TRIST, A. R. Crown log timber marketing procedures in Queensland. Austral. Timber J. 18:579, 581-582,584. Sept.1952. 99.81 Au7

Building Construction

33587 BAILEY, N. Veneer and plywood. 25. Prefabricated homes. Wood Working Digest 55:149-152,154. Feb.1953. 99.82 W87

33588 GRATZL, A. Holzfussböden in theorie und praxis. Osterr. Gesell. f. Holzforsch. Mitt. 4:135-145. Ref. In Internatl. Holzmarkt 43(25). Dec.6,1952. 99.81 In82

33589 GRIFFAULT, P. Le chalet en bois. Bois et Scieries 59:11,13. Jan.1,1953. 99.81 B632

33590 SALLENAVE, P. Un type de maison tropicale en bois. Bois et Forets des Trop. 26:393-402. Nov./Dec. 1952. 99.8 B632
English summary.

33591 SEITZ, H. Zur neubearbeitung von DIN 4074 "bauholz, gütebedingungen." Holz als Roh- u. Werkst. 10:432-436. Nov.1952. 99.81 H74

Veneers, Plywood and Adhesives

33592 ALBERTO. M. Veneer matching and gluing in the furniture industry. (In Italian.) Indus. del Legno 4 (10):30-34. Oct.1952. 99.82 In2

33593 ARNOLDT, W. Das strecken des Kauritleimstechnisch betrachtet. Holztechnik 32:255-258. May 1952. 99.82 H745

33594 BOCK, E. Die prüfung der festigkeit von leimverbindungen während des abbindens des leimes. Holz als Roh- u. Werkst. 10:394-398. Oct.1952. 99.81 H74
Wood.

33595 CRANCH, R. C., and POLETIKA, N. V. Marine laminating comes of age. II. Wood & Wood Prod. 57(11): 32-33,62. Nov.1952. 99.82 W856

33596 DEHN, U. VON. Rohstoffprobleme in der finnischen sperrholzindustrie. Internatl. Holzmarkt 43 (22):8-9. Nov.1,1952. 99.81 In82

33597 DIETRICH, A. Verleimanlagen und verleimte dachkonstruktionen. Holz-Zentbl. 79:18. Jan.8,1953. 99.81 H742

33598 FYSH, D., and JONES, E. C. Animal glues for wood. 3. Wood [London] 18:15-18. Jan.1953. 99.82 W855

33599 GEFAHRT, J. Elektrische widerstandsverleimung. Holz 6:275-277,294-295. (Concl.) Ref. Nov.-Dec.1952. 99.82 H743

33600 GRAHAM, P. H. Electronic gluing. 5. Spot welding, panel to frame gluing. Wood Working Digest 55: 63-68,70,72,74,76,78,82,84,86. Feb.1953. 99.82 W87

33601 GÜNZLER, E. Elektrische beheizung von leimvorrichtungen. Holztechnik 32:644-645. Dec.1952. 99.82 H745
Wood bonding.

33602 HYLER, J. E. Glues and gluing. 5. South. Lumberman 186(2324):55-56,58,60. Feb.1,1953. 99.81 So82

33603 KÖNIG, E. Erzeugnisse der sperrholzindustrie Norddeut. Holzwirt. 6(71):6. Dec.20,1952. 99.82 N75

33604 PETZ, A. Die grundlagen der kunstharzverleimung mit hochfrequenzheizung. Holztechnik 32: 259-260. May 1952. 99.82 H745

33605 PETZ, A. Holzverfärbungen bei verleimung mit kunstharzen. Holztechnik 32:368. July 1952. 99.82 H745

33606 PLATH, E. Der abbindevorgang von kunstharzleimen im temperaturbereich um 100° C. Holz als Roh- u. Werkst. 10:421-425. Nov.1952. 99.81 H74

33607 VERSHOFEN, W. Grundsätzliches zur raumgestaltung. I-II. Holztechnik 32:19,30,67. Jan.-Feb.1952. 99.82 H745
Plywood.

Furniture

33608 CONNELLY, T. J. The trend toward textured hardwoods. Wood Working Digest 55:89-92,94,96-98. Feb.1953. 99.82 W87

33609 CREIGHTON, J. W., STUMP, W. G., and HUTCHINS, W. F. Correlation of walnut furniture cutting requirements with grade yield. Mich. Agr. Expt. Sta. Q. B. 35:230-247. Nov.1952. 100 M58S

33610 HAUSDORF, E. Rationeller einsatz der leime in der möbelfabrikation. Norddeut. Holzwirt. 7(5):3. Jan.10,1953. 99.82 N75

33611 KIRCHNER, C. Refinishing your furniture. Minn. U. Agr. Ext. B. 271,7 p. June 1952. 275.29 M66S

Containers

33612 CERDAN, D. De la caisse au container. Rev. du Bois 8:44-45. Jan.1953. 99.82 R32

33613 GIORDANO, G. Use of wood for packaging. (In Italian.) Indus. del Legno 4(7):26,28-30. July 1952. 99.82 In2
Includes wood defects.

33614 NOVITSKIĬ, V. IU. Veneer boxes from waste of plywood sheets. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 1(7):27. Oct.1952. 99.82 D44

Pulp and Paper

33615 ANDERSSON, O. A study of the Clark fibre classifier. Svensk Papperstidn. 55:927-932. Dec.31, 1952. 302.8 Sv2

33616 ASUNMAA, S., and LANGE, P. W. Microspectrographic determination of the distribution of periodic acid oxidized regions in the cell wall of holocellulose from spruce. Svensk Papperstidn. 55:936-941. Ref. Dec.31,1952. 302.8 Sv2

33617 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Superficial fleck in handsheets made from the pulp of Sonneratia acida L. f., by G. L. Amos. South Melbourne,1952. 4 p. (Sub-Project W. S. 16-3, Progress Report No. 2, Sub-Project P.P. 17-0, Progress Report No. 1) 99.79 Au7Ci

33618 BLASER, F. Papiermühlen in den vier waldstätten. Papier Gesch. 2:82-84. (Cont.) Dec.1952. 302.8 P1992

33619 COTTRALL, L. G. Influence of chemical composition and morphology of the fibres of mechanical and Kraft pulps on their papermaking properties. Paper-Maker & Brit. Paper Trade J. 125:34-36,38. Jan.1953. 302.8 P1922

33620 EVANS, J. C. W. Fine paper manufacture in Canada, prosperous and growing apace, it has stemmed from the country's first paper mill. Pulp & Paper Mag. Canada 53(12):100-104. Nov.1952. 302.8 P96

33621 HAARER, A. E. Tropical woods for pulp. Wood [London] 18:22-23. Jan.1953. 99.82 W855

33622 HAGGLUND, E. The early evolution and modern advances within the cellulose industry. Skand. Banken. Q. Rev. 34:15-19. Jan.1953. 284.9 Sk1

33623 HAM, J. L. Why debark wood for semi-chemical corrugating medium? Fibre Containers 38:55-56. Jan.1953. 286.8 F44

33624 HEISKANEN, V. Observations on the use of portable chippers in the acquisition of pulpwood in the United States. (In Finnish.) Metsätaloudellinen Aikakauslehti 10:263-264. 1952. 99.9 F49

33625 JAYME, G., and LICHT, W. Einfluss der sulfidität beim alkalischen aufschluss von buchenholz. Papier 6:510-513. (Concl.) Dec.15,1952. 302.8 P1934

33626 KESWICK, R. J. P. Semi-chemical pulping at Bathurst. Pulp & Paper Mag. Canada 53(12):127-131. Nov.1952. 302.8 P96

33627 KLEINERT, T., and WINCOR, W. Zur bestimmung von sulfitablaugen in wässern. Papier 6:513-519. Dec.15,1952. 302.8 P1934

33628 PHILLIPS' paper trade directory of the world. London,1953. 864 p. 302 P54

33629 POST'S paper mill directory, 1953 edition. New York,1952. 672 p. 302 P842

33630 SARGOS, R. Pourquoi les papeteries landaises suspendent leurs achats de bois. Fed. des Assoc. de Communes Forest. Franc. B. Off. 11/12:3. Nov./Dec. 1952. 99.9 F313
Chiefly on prices of wood pulp.

33631 SIHTOLA, H. Semi-chemical pulp from softwood sawmill waste containing bark. Experiences at Veitsiluoto. (In Finnish.) Paperi ja Puu. B 34:409-418. Nov.21,1952. 302.8 P1991
English summary.

33632 SONNI, O. The new bleaching plant of Jämsänkoski Sulphite Pulp Mill. (In Finnish.) Paperi ja Puu. B. 34:419-428. Nov.21,1952. 302.8 P1991
English summary.

33633 TOMLINSON, G. H., and TUCK, N. G. M. The use of the centricleaner with special reference to the cleaning of alkaline hardwood pulp. Pulp & Paper Mag. Canada 53(12):109-114. Nov.1952. 302.8 P96

33634 WATANABE, T. Studies on the black digestion of Larix kaempferi Sarg. (karamatsu). 1-3. (In Japanese) Kyushu U. Facul. Agr. Sci. B. 12:185-223. Ref. Mar. 1952. 107.6 K995B
English summary.

33635 WRIGHT, T. G. Effects of recent pulp and paper developments in British Columbia on the forest. Canad. Pulp & Paper Indus. 6(2):8-10,12,14,38. Feb.1953. 302.8 W52

33636 WRIGHT, T. G. Effect of recent pulp and paper developments in British Columbia on the forest. Forestry Chron. 28(4):42-49. Dec.1952. 99.8 F7623

Chemical Products and Distillates

33637 ASCH. Utilization of synthetic tannins especially in combination with chestnut extracts. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Conciantì. B. 28:400-408. Oct.1952. 303.8 It1

33638 BEEBE, C. W., LUVISI, F. P., and HAPPICH, M. L. Tennessee Valley oak bark as a source of tannin. Amer. Leather Chem. Assoc. J. 48:32-41. Ref. Jan. 1953. 303.9 Am32
Includes discussion.

33639 ČADEŽ, Z. Oak galls as vegetable tannins. (In Serbo-Croatian.) Šumarski List 76:312-325. Aug. 1952. 99.8 Su6
English summary.

33640 DESALBRES, L. Les huiles de pin de flottage. Chim. & Indus. 68:880-888. Dec.1952. 383 C42

33641 HAUSS, J. L. DE. Analyses spectrophotométriques et photo-colorimétriques dans l'industrie du cuir. Rev. Tech. des Indus. du Cuir 44:205-209. Nov. 1952. 303.8 C89
Tannin analysis.

33642 KURTH, E. F., and CHAN, F. L. Extraction of tannin and dihydroquercetin from Douglas fir bark. Amer. Leather Chem. Assoc. J. 48:20-32. Ref. Jan. 1953. 303.9 Am32

33643 PEPPER, J. M. The chemical processing of wood—some problems and possibilities. Chem. Canada 5:37-40,42,44. Ref. Jan.1953. 381 C4236

33644 RAO, P. R., and PUNTAMBEKAR, S. V. A note on the karada [Cleistanthus collinus] bark tannins. Indian Forester 78:582-583. Nov.1952. 99.8 In2

33645 ROUX, D. G. Improved degradation methods for examination of black wattle and allied tannins. Soc. Leather Trades' Chem. J. 36:393-400. Ref. Dec. 1952. 303.9 So12

33646 SHAW, H. Natal, home of the Union wattle industry. Natal. U. Wattle Res. Inst. Rpt. 4/5:35-38. Oct. 1952. 99.9 N192

33647 TORNER OCHOA, J. Aceites esenciales españoles, caracteristicas de algunos aceites de diversas procedencias forestales. Spain. Inst. Forest. de Invest. y Exper. B. 23(61),107 p. Ref. 1952. 99.9 Sp1
English summary.

Naval Stores

33648 GIBSON, A. J. The pine forests of the Commonwealth as a source of rosin and turpentine. II. Empire Forestry Rev. 31:311-314. Dec.1952. 99.8 Em72
Extraction.

33649 ILOFF, P. M., and MIROV, N. T. Composition of gum turpentines of pines. XVI. A report on Pinus oocarpa and P. pseudostrobus var. oaxacana from Chiapas and P. cooperi from Durango. Amer. Pharm. Assoc. J. Sci. Ed. 42:46-49. Jan.1953. 396.9 Am33J

33650 MAZEK-FIALLA, K. Die schädigung der österreichischen harzgewinnung. Landarb.-Archiv 7: 330-334. Oct.1952. 283.8 L23

33651 SAKSENA, K. B. Gum resin and forest research. Indian Forester 78:551-557. Ref. Nov.1952. 99.8 In2

33652 U. S. BUR. OF AGRICULTRAL AND INDUSTRIAL CHEMISTRY. NAVAL STORES RESEARCH DIV. Facts about the Naval Stores Station. U. S. Bur. Agr. & Indus. Chem. AIC-345,3 p. Oct.1952. 1.932 A2Ag82

33653 U. S. PRODUCTION AND MARKETING ADMIN. Weighted average prices of gum naval stores for years 1951 and 1952. Savannah,1953. 3 p. 1.956 A2W42

Other Forest Products

33654 BETHOUART, A. Scierie et fabrique de panneaux de fibre en Norvège. Rev. du Bois 8:18-19. Jan. 1953. 99.82 R32

33655 CASSEB, P. E. Using sawdust in new fields. Chemurg. Digest 12:4-6. Jan.1953. 381 N213Na

33656 DICKINSON, T. A. Casting resins turn wood wastes to profits. Wood & Wood Prod. 57(11):34,36. Nov.1952. 99.82 W856

33657 FRANCO, A. T. Portuguese cork and its consumption in our overseas provinces. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 14:332-334. Oct.1952. 309.9 J96
English summary, p.LXVI.

33658 GREENHILL, W. L., and CHASE, G. A. Australian woods for textile rollers. Wood [London] 18: 12-14. Jan.1953. 99.82 W855

33659 JAMES, N. D. G. A forestry letter. III. Christmas fare. Land Agents' Soc. J. 51:539-541. Dec. 1952. 282.9 L22
Christmas tree industry.

33660 MATHIEU, H. Les jouets en bois. Bois et Scieries 58:1323. Dec.18,1952. 99.81 B632

33661 METCALF, W., and GRAH, R. F. Christmas tree production; winter season is favorable planting time for tree crop to meet expanding California market. Calif. Agr. [Calif. Sta.] 6(1a):3,10. Dec.1952. 100 C1aCag

33662 MOFFITT, W. R., ZEIGLER, J. L., and HALME, C. J. Manufacture of hardboard and use of synthetic binders. Timberman 54(4):88,90,92,94. Feb. 1953. 99.81 T484

33663 OLIVEIRA, C. M. DE. Portuguese corkboard. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 14: 293-298. (Cont.) Sept.1952. 309.9 J96
English summary, p. LVII-LXI.

33664 SAMPAIO, J. S. The importance of handicraft in the cork activity. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 14:325-331. (Cont.) Oct.1952. 309.9 J96
English summary, p.LXVI.

WOOD TECHNOLOGY

33665 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. The distribution and nature of 80 per cent. ethanol solubles, tannins, nitrogenous materials, lignin and carbohydrate substances in Eucalyptus regnans F. v. M., by C. M. Stewart and L. J. Harvey. South Melbourne,1952. 24 p. (Sub-Project C.13-1, Progress Report 3) 99.79 Au7Ch

33666 ECKER, M. Die rotbuche [Fagus sylvatica]. Bauer 6:10. Jan.3,1953. 19 B32
Types of wood obtained.

33667 GRIPENBERG, J. Flavanones from the heart wood of Larix decidua Mill. (L. europea D C.). Acta Chem. Scand. 6:1152-1156. Ref. 1952. 385 Ac82

33668 GUSTAFSSON, C., OLLINMAA, P. J., and SAARNIO, J. The carbohydrates in birchwood. Acta Chem. Scand. 6:1299-1300. 1952. 385 Ac82

33669 HESS, R. W. Practical facts on how to use imported hardwoods. II. Wood & Wood Prod. 57(11):44,46. Nov.1952. 99.82 W856

33670 JENSEN, W. Studies on suberin. IV. Paperi ja Puu. B 34:467-468,470. Dec.15,1952. 302.8 P1991

33671 JENTZSCH, H. Die bestimmung der entzündungs- und brenneigenschaften des holzes und anderer stoffe mit hilfe des zündwertverfahrens. Holz als Roh- u. Werkst. 10:385-390. Ref. Oct.1952. 99.81 H74

33672 KIEFER, H. J., and KURTH, E. F. The chemical composition of the bast fibers of Douglas-fir bark. Tappi 36:14-19. Ref. Jan.1953. 302.8 T162

33673 KISSER, J., and STEININGER, A. Makroskopische und mikroskopische strukturänderungen bei der biegebeanspruchung von holz. Holz als Roh- u. Werkst. 10:415-421. Ref. Nov.1952. 99.81 H74

33674 LINDSTEDT, G., and MISIORNY, A. Constituents of pine heartwood.XXIX. Acta Chem. Scand. 6:1212-1216. 1952. 385 Ac82

33675 MANFRED, O. Holzveredelung. Internatl. Holzmarkt 43(22):2-4. Nov.1,1952. 99.81 In82

33676 PAVOLINI, T., and AVI, M. Lignin chemistry. (In Italian.) Chimica (n.s.)7:385-392. (Cont.) Oct.1952. 385 C445

33677 PEJOSKI, B. Technology study of prickly juniper (Juniperus oxycedrus, L). (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Šumarski Fakul. God. Zbornik 3:107-121. Ref. 1949/50,pub.1951. 21.5 Sk5
English summary.

33678 PIGMAN, W., and others. Color precursors in spruce- and western hemlockwoods and inner barks. Tappi 36:4-12. Ref. Jan.1953. 302.8 T162
E. Anderson, R. Fischer, M. A. Buchanan, and B. L. Browning, joint authors.
Picea mariana and Tsuga heterophylla.

33679 SCHULZ, G. V., and KOMMERLING, I. Molekulargewichtsverteilung und lockerstellen in cellulosen nach versuchen von Emery und Cohen. Makromolekulare Chem. 9:25-34. Dec.1952. 384 M28
English summary.
Cellulose from Eucalyptus wood and cotton.

33680 STAMM, A. J. Recent advances in wood chemistry. Paper Indus. 34:1233-1234. Jan.1953. 302.8 P1923

33681 TRAYNARD, P., and AYROUD, A. M. Action du chlore en milieu anhydre sur le bois de peuplier. Soc. Chim. de France. B. 11/12:1001-1005. Ref. Nov./Dec.1952. 383 P21B

33682 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Chemical analyses of wood. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 235,rev.,3 p. Oct. 1952. 1.9 F761

33683 WISE, L. E., and BUCHANAN, M. A. The chemistry of the cellulosic wood fiber. Paper Indus. 34:1229-1232. Ref. Jan.1953. 302.8 P1923

Properties and Structure

33684 DOHR, A. W. Mechanical properties of Brazilian parana pine. South. Lumberman 186(2324):39-40,42. Feb.1,1953. 99.81 So82

33685 ERICKSON, E. C. O. Mechanical properties of laminated modified wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1639,rev.,16 p. Nov.1952. 1.9 F761R

33686 KLOOT, N. H. Mechanical and physical properties of coconut palm. Austral. J. Appl. Sci. 3:293-323. Ref. Dec.1952. 475 Au74

33687 KURTH, E. E., FOSTER, D. H., and INGLES, D. L. The analysis of some Tasmanian timbers. Austral. J. Appl. Sci. 3:384-394. Ref. Dec.1952. 475 Au74

33688 LIMAYE, V. D. Strength of bamboo (Dendrocalamus strictus). Indian Forester 78:558-575. Nov. 1952. 99.8 In2

33689 MEYER-BRENKEN. Um die aushaltung der kiefer. Holz-Zentbl. 78(157,sup.):18-19. Dec.30,1952. 99.81 H742

33690 SIMIC, P. The anatomical structure of wood of some Juniperus species. (In Serbo-Croatian.) Skoplje. U. Zemjodelsko- Šumarski Fakul. God. Zbornik 3:145-194. Ref. 1949/50,pub.1951. 21.5 Sk5
English summary.

33691 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Weights of various woods grown in the United States. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 218,rev.,8 p. Oct.1952. 1.9 F761

33692 WOLF, J. T. Wood structure in relation to wood cutting by machinery. Wood [London] 18:33-35. Jan.1953. 99.82 W855

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

33693 BERSELLI, C. A. The laws on artificial insemination. (In Italian.) Romagna Agr. e Zootec. 37 (18):3. Nov.1952. 16 R66

33694 BRIQUET, R. Course of genetics with special application to domestic animals. (In Portuguese.) Agr. e Pecuaria 24(345):24-25. June 1952. 9.2 Ag89

33695 BRIQUET, R. Making new types of animals in our laboratories; colchicine and its practical applications. (In Portuguese.) Rev. dos Criadores 23(10):10. Oct.1952. 43.8 R32

33696 CONTI, V. La inseminación artificial en la práctica. Agron. y Vet. 2(12):9-14,16. (Cont.) June 1952. 9 Ag882

33697 FARIA, E. V. Determination of the consanguinity coefficient by the Krizenecky method. (In Portuguese.) Agronomia [Rio de Janeiro] 11:33-36. Jan./Mar. 1952. 9.2 Ag892

In livestock.

33698 GARCIA MATA, E., and CANO, A. E. The application of electroejaculation and the control of fertility. (In Italian.) Zootec. e Vet. 7(2):38-40. Feb.1952. 41.8 Z7

English summary.

33699 GFELLNER, V. Die tierzuchthalle in Wels. Bauer 5(43):2-3. Dec.6,1952. 19 B32

33700 GONZALEZ ALVAREZ, R. La herencia patológica en los animales domésticos. Pampa Argentina 25 (259,i.e.299):6,35. (Cont.) Nov.1952. 9 P19

33701 GÖTZE, R. Bemerkungen zur frage des einflusses der paarung auf die ovulation. Fortpflanzung u. Besamung der Haustiere 2:91. Dec.15,1952. 41.8 F773

33702 HAGEDOORN, A. L. More in it than meets the eye. Farmers Wk. [London] 38(3):50-51. Jan.16,1953. 10 F2226

Artificial insemination.

33703 INGHAM, M. H. Livestock breeding in Pakistan. Cattleman 39(8):108-109. Jan.1953. 49 C29

33704 JONG, DE. L'amélioration du bétail au Pays-Bas. (Sum.) Agriculteur 57(2):3. Jan.11,1953. 13 B63P

Breeding.

33705 JORDANO BAREA, D. Determination of the order of magnitude of the relative mean difference in weight and speed between AX and AY spermatozoa, by means of primary sexual quotients. Arch. de Zootec. 1: 322-325. Ref. 1952. 49 Ar22

33706 KOMISSAROV, S. A. Importance of State breeding stations in organizing the public livestock industry on collective farms. (In Russian.) Sotsialist. Zhivotnovod. 14(10):73-78. Oct.1952. 49 So71

33707 KORDTS, E., and SCHOLTYSSEK, S. Untersuchungen über die eignung verschiedener spermaverdünner (nähr- und salzlösungen, eigelb-verdünner und serumpräparate). Kieler Milchwirt. Forschber. 4:701-708. 1952. 44.9 K542

English summary.

33708 MANDORFER, P. Fördert die tierzucht! Bauer 5(41):2. Nov.22,1952. 19 B32

Austria.

33709 PARNAS. Anwendung der Mitschurin-Lyssenko-theorien in der entwicklungslehre des menschen und der tiere. Deut. Landwirt. 3:665-667. Dec.1952. 18 D4822

33710 PHILLIPS, R. W. Estudios genéticos aplicados a la zootecnia. Cám. de Com. e Indus. de Tegucigalpa. B. 6(72):37-44. Nov.1952. 287 T23

33711 RAS CROTTO, N. La esterilidad en veterinaria. Rev. de Med. Vet. [Buenos Aires] 34:41-43. Jan./Mar.1952. 41.8 B86

33712 RECHENBACH, H. Züchten—eine kunst. Deut. Wirtgeflügelzucht. 5:162-163. Dec.27,1952. 47.8 D483

Livestock.

33713 SCHAETZ, F. 60 jahre sterilitätsbekämpfung. Deut. Tierärztl. Wchnschr. 60:41-42. Jan.7,1953. 41.8 D482

33714 SCHAETZ, F. Zur problematik der sterilitätsbedingenden zyklusstörungen. Monatsh. f. Prakt. Tierheilk. 4:529-541. 1952. 41.8 M74

33715 VANDEPLASSCHE, M. Sterilität "sine materia." Fortpflanzung u. Besamung der Haustiere 2: 89-91. Dec.15,1952. 41.8 F773

33716 WU, S. H., ELLIKER, P. R., and MCKENZIE, F. F. The effect of Escherichia coli on the semen of bulls, rams and rabbits. Oreg. Agr. Expt. Sta. Tech. B. 27,32 p. Ref. Jan.1953. 100 Or3S

33717 ZIVKOVIĆ, R. New measures in the organization of advancement of livestock breeding in Serbian Peoples Republic. (In Serbo-Croatian.) Stočarstvo 6: 299-306. July 1952. 43.8 St6

FEEDS AND FEEDING

33718 ALMQUIST, H. J. High energy feeds—some facts and fallacies. Feedstuffs 25(8):28-30. Feb.21,1953. 286.81 F322

33719 ARAN, S. Modernas orientaciones para alimentar el ganado. Cult. Mod. 35:403-404. Nov.1952. 15 C89

33720 ARAUJO E SILVA, O. B. DE. Feeding of animals with farm products. (In Portuguese.) Agr. e Pecuaria 24(345):11-12. June 1952. 9.2 Ag89

33721 ARAUJO E SILVA, O. B. DE. Substitution of feed. (In Portuguese.) Rev. dos Criadores 23(10):34-36. Oct.1952. 43.8 R32

33722 AUDIDIER, L. La farine de luzerne, son intérêt comme produit de remplacement des tourteaux. Potasse 26:201-202. Dec.1952. 57.8 P84

33723 AXELSSON, J. Feed preservation and feeding problems at the Sixth International Grassland Conference at State College, Pennsylvania. (In Swedish.) Ladugården 10:300-304. Oct.1952. 44.8 L12

Hay and silage.

33724 BAKERMANS, W. A. P., and JOCHEMS, P. J. Preparation of beet silage. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:379-387. Oct.1952. 12 N383M

33725 BAVLI, H. Improvements in silage making. (In Hebrew.) Hassadeh 33:120-121. Nov.1952. 26 H27

33726 BETHKE, R. M. Die verwendung von künstlich getrockneter luzerne in futtermischungen. Futter u. Fütterung 25:190. Dec.1952. 389.78 F98

33727 BIELY, J., MARCH, B. E., and TARR, H. L. A. The nutritive value of fish meal and condensed fish solubles. VI. An unidentified growth factor(s) in fish meal. Canad. Fisheries Res. Bd. Prog. Rpt. Pacific Coast Stat. 92:10-13. Oct.1952. 414.9 C162

33728 BILEVICHIUS, V., and DANTA, K. Importance of minor elements for animals which are fed hay from peat bogs. (In Russian.) Sotsialist. Zhivotnovod. 14(10): 95-96. Oct.1952. 49 So71

33729 BORGIOLI, E. Alimentazione del bestiame [Livestock nutrition]. Bologna,Edizioni Agricole,1952. 349 p. Ref. 389.7 B644

33730 BRANION, H. D. Balanced feeding—higher production. Wk. Mkt. News 31:8. (Cont.) Jan.1,1953. 286.81 G762A

33731 BUIATTI, P. G. Ensiling of leguminous grasses with the use of formic acid. (In Italian.) Agr. Tosc. 7:344. Oct.1952. 16 Ag827

33732 CHARBONNEAU, A. Notes sur les essais d'ensilage de foins verts dans le comté de Joliette. Agriculture [Montreal] 9:302-303. Summer/Autumn 1952. 7 Ag82

33733 CHEN, C. J. Animal feed with TSC [Taiwan Sugar Corporation] byproducts. Taiwan Sugar Corp. TSC News Let. 2(12):3-7. Dec.25,1952. 65.9 T13

Molasses and yeast.

33734 CHERVINSKIĬ, V. F., and PEL'T, N. N. Utilization of the southern part of Ust-Urt—a district in the sphere of influence of the Principal Turkmenian Canal. (In Russian.) Sotsialist. Zhivotnovod. 14(10):40-46. Oct. 1952. 49 So71

For pasture maintenance of livestock.

33735 CHEVREL, J. Les adjuvants a base d'antibiotiques et de vitamine B_{12} dans l'alimentation du bétail. Meun. Franç. 74:23-26. Nov.1952. 298.8 M57

33736 CHIEFFI, A. Cottonseed meal in animal nutrition. (In Portuguese.) Lav. e Criação 7(43):56-57. Oct.1952. 49 L392

33737 CLARK, R. Use of urea and molasses in winter feeding. Farming So. Africa 27:453-454. Oct.1952. 24 So842

33738 CLAUDER. Zu: "Thomasmehl an haustiere." Hannoversche Land- u. Forstwirt. Ztg. 105:1314. Dec.24,1952. 18 H194

33739 COPE, C. What's time to a hog? Land 11: 288-290. Jan.1953. 279.8 L22
Livestock feeding.

33740 CRANSTON, C. C., and HOLMES, G. W. Silage production in Manitoba. Manitoba. Dept. Agr. & Immigr. P. 254,11 p. Nov.1952. 275.29 M313

33741 CUTHBERTSON, W. F. J. Antibiotics and animal nutrition. Brit. Agr. B. 5:298-300. Jan.1953. 10 B776

33742 DAVIDIS, G. H. F. Sampling—feed balance. (In Dutch.) Netherlands. Landboorlichtingsdienst. Maandbl. 9:431-437. Nov.1952. 12 N383M
Feed supply.

33743 DEAMBROSIS, J. R. Ensayos de pastoreo para la alimentación de ganado de carne. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(441):8-10; (442):8-9. Nov.13-20,1952. 9.9 G15B

33744 DEAMBROSIS, J. R. Maiz, aves y cerdos. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(442):3-4. Nov.20,1952. 9.9 G15B
Chiefly on corn as feed, and poultry industry in U. S.

33745 DEMANGE, G. L'huile de foie de morue et l'alimentation du bétail. Élevage et Cult. 4(47):4,10. Nov.1952. 24 EL2

33746 DEVILLERS, P. Conservation par ensilage de feuilles et collets, et de pulpes. Sucr. Franç. 93: 255-263. Ref. Nov.1952. 65.8 J82

33747 DINUSSON, W. E. In feeds all nutrients are important. Gleaner 6(12):3,10. Dec.1952. 6 G472

33748 DOW, J. K. D. The use of dried grass in compounds. Agr. Merchant 33:13-15. Jan.1953. 10 Ag89

33749 EHRAT, H. Einige bemerkungen zu: Antibiotika in der Haustierfütterung in: "Der Geflügelhof," nr. 32, s. 507/508. Geflügelhof 15:685-687. Oct.24,1952. 47.8 G276

33750 ESPOSITO, R. G., and WILLIAMS, W. L. A method for the assay of penicillin in animal feeds. Soc. Expt. Biol. & Med. Proc. 81:660-665. Dec.1952. 442.9 So1

33751 ETTER, A. G. Watching animals eat. Land 11:280-288. Jan.1953. 279.8 L22
Grazing habits of livestock.

33752 FERRIN, E. F. Modern methods make money from roughages. Amer. Hereford J. 43(18):52. Jan.15, 1953. 43.8 Am32

33753 FRANCO, H. F. New by-product for feed. (In Portuguese.) Gado Holandês 16(191):30-32. Nov.1952. 43.8 G112
Fish soluble.

33754 FREDRICSON, O. Green corn as feed. (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn. 2:18-19. Apr.1952. 11 Sk1

33755 FRIEDRICH W. Wir müssen zu besseren fütterungserfolgen kommen. Landwirtbl. Weser-Ems 99: 1285-1296. Dec.20,1952. 18 L2345

33756 GAMBERINI, P. Minerals and vitamins in livestock nutrition. (In Italian.) Romagna Agr. e Zootec. 37(18):1-2. Nov.1952. 16 R66

33757 GERASIMOV, F. P. Ensiling potatoes. (In Russian.) Kormovaîa Baza 3(9):51-52. Sept.1952. 60.8 K84

33758 GIFFORD, C. W. Let's make 'em cook raw garbage; it's hotbed for disease, affects all farmers. Feed Bag 29:47,50. Jan.1953. 389.78 F32

33759 GOULD, G. N. Problems of animal health associated with grassland and the feeding of fodder crops. Farmers' Club. J. 8:130-149. 1952. 10 L84
Includes discussion.

33760 GROENEWALD, J. W. The use of antibiotics in animal nutrition. So. African Vet. Med. Assoc. J. 23: 235-243. Ref. Dec.1952. 41.8 So8

33761 HAENDLER, H. Der einfluss des wassergehaltes und der künstl. zugeführten kohlensäure auf die gärfutterqualität. (Abs.) Ausbild. u. Beratung in der Landwirt. 5:147. Nov.1952. 18 N11

33762 HANSSON, L. Feed value of hay of different water content and digestibility. (In Swedish.) Lantmannen 37:90. Jan.24,1953. 11 L234

33763 HARRIS, L. E., and ANDERSEN, E. M. Feeding sweet corn and pea by-products; their value with comparisons. Utah. State Agr. Col. Ext. Fact Sheet 17,4 p. Aug.1952. 275.29 Ut1F

33764 HARTFIEL, W. Vergleichende untersuchungen über den nähr- und mineralstoffgehalt von heu- und grünfutterproben in abhängigkeit von der art der werbung, der witterung und der lagerung. Arch. f. Tierernähr. 2: 292-308. Mar./Apr.1952. 389.78 Ar22

33765 HENDERSON, G. R. Silage for increased feed production. Utah. State Agr. Col. Ext. Fact Sheet 7,4 p. June 1952. 275.29 Ut1F

33766 HERNANDEZ, E. Ensilaje. Rev. de Agr. P. R. 43:195-201. Jan./June 1952. 8 R325

33767 HOFF-JORGENSEN, E., MOUSTGAARD, J., and MÖLLER, P. The content of B-vitamins in some ordinary Danish feedstuffs. Acta Agr. Scand. 2:305-311. 1952. 11 Ac82

33768 HORAK, K. Kartoffeleinsäuerung. Landwirtschaft 23/24:358-359. Dec.1952. 19 L235

33769 HUISMAN, M. H. Artificial drying of grass and other green feed. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:362-369. Oct.1952. 12 N383M

33770 ISNARD, J. La pomme de terre, précieux aliment du bétail. Élevage et Cult. 4(47):9. Nov.1952. 24 EL2

33771 JENSEN, H. L. Utilize the beet top. (In Danish.) Jydsk Landbr. 34:670-672. Oct.2,1952. 11 J99
Chiefly for silage.

33772 JOHNSON, J. F. Synthetic amino acids in feeds. Feed Bag 29:26,28,30,82. Jan.1953. 389.78 F32

33773 JUKES, T. H. Antibiotics in feeding. Flour & Feed 53(9):12. Feb.1953. 298.8 F66

33774 KIRSCH. Neue erkenntnisse der tierernährungslehre. Landwirtbl. Weser-Ems 99:1286-1287. Dec.20,1952. 18 L2345

33775 KOBLIC, J. Husks of grapes as a makeshift fodder. (In Czech.) Česposlov. Akad. Zeměděl. Sborn. 25:457-461. Nov.1952. 19.5 C332C
English summary.

33776 KOFOED, A. D., and OLESEN, J. Investigations on silage preparation. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:80-105. 1953. 11 B45

33777 KONDYREV, V. E. Utilization of mycelium of Aspergillus niger as a source of protein in rations of farm animals and poultry. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaistve, p.293-299. Moskva,1952. 387.1 Ak12

33778 KÜPPERS, G. A. Wie füttert man mit topinambur? Deut. Kleintier-Züchter. Ausg. Kaninchen 7(21):4-5. Nov.5,1952. 40.28 D48

33779 MADSEN, I. L. Sugar beet by-products valuable in livestock feeding. West. Livestock Rptr. 13(21):9,17. Jan.21,1953. 286.85 W523

33780 MARTIN, T. G., STODDARD, G. E., and PORTER, A. R. The effects of added corn meal and dried whey and of moisture level on the preservation of alfalfa silage. J. Dairy Sci. 35:1076-1082. Ref. Dec. 1952. 44.8 J822

33781 MOLEN, H. V. D. The mechanical method of preparing silage only? (In Dutch.) Zuivelbereiding en -Handel 58:953-954. Oct.28,1952. 44.8 N282

33782 NADALI, P., and VERNAZZA, N. Grapevine shoots as food for livestock. (In Serbo-Croatian.) Stočarstvo 6:289-298. Ref. July 1952. 43.8 St6
German summary.

33783 NICOULEAU, J. L'alimentation et la reproduction. Tarn-et-Garonne Agr. 15:191-192. (Cont.) Nov. 1952. 14 T17

33784 OHARA, H., and TAKANO, N. Investigations on the theoretical and technical problems of making grass silage. I. (In Japanese.) Obihiro. Zootech. U. Res. B. 1(2):45-55. Ref. Mar.1952. 513 Ob3
English summary.

33785 OLIVE, F. R., and FLORES A., M. A. Leguminosas para forraje en El Salvador. Rev. Ganad. [San Salvador] 11(149):29-31. Nov./Dec.1952. 8 R3292

33786 PANTIĆ, Z. D. Better utilization of hay—an important problem of our agriculture. (In Serbo-Croatian.) Vojvodanski Poljopriv ednik 8(13):3. Sept.1952. 21.5 V87

33787 PARMENTIER, P. L'exploitation de la pomme de terre pour la nourriture animale. Cahiers des Ingen. Agron. 7(3):23-26. 1952. 14 C112

33788 PETROV, N. I. Practices of leading [collective] farms in feed preparation. (In Russian.) Sotsialist. Zhivotnovod. 14(10):18-24. Oct.1952. 49 So71

33789 PEYTHIEU. L'alimentation minérale des animaux de la ferme. Nord Agr. 9(10):3,8. Dec.26,1952. 14 N75

33790 PEYTHIEU. L'alimentation rationnelle des animaux de la ferme. Nord Agr. 9(6):3. (Cont.) Nov. 28,1952. 14 M75

33791 PFULB, K. Der futterwert von getreidestroh aus der ernte 1952. Bad. Landwirt. Wchnbl. 119:816-817. Nov.15,1952. 18 B142

33792 PHILLIPS, P. H. The minor or trace minerals in livestock nutrition. Vet. Sci. News 6(4):16-18. Jan.15, 1953. 41.8 V6492

33793 PRAKHIN, M. E., and ZHURAVEL', A. A. New protein concentrate from wastes of the food industry for feeding farm animals. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khoziîaĭstve, p.276-279. Moskva,1952. 387.1 Ak12

Castorbean oilcake and meal.

33794 PROULX, J. R. Les antibiotiques au service des éleveurs. Terre de Chez Nous 24(46):9,21. Jan.7, 1953. 7 T27

33795 PSHENICHNYĬ, P. D. How to feed cottonseed cake and meal to farm animals. (In Russian.) Sotsialist. Zhivotnovod. 14(10):92. Oct.1952. 49 So71

33796 RAY, S. C. Dietary proteins for livestock production. Soc. Biol. Chem. India. Proc. 10:33. Oct. 1952. 385 So13P

33797 REINACH, N., and LOUW, J. G. The supplementation of phosphate to animals through their drinking water. Good Husb. 3(4):13-14,20. Dec.1952. 24 G59

33798 RIGOLI, A. Mineral salts and vitamins, problems of the day. (In Italian.) Bianco Nero 5:18-19. Sept./Dec.1952. 43.8 B47

In animal nutrition.

33799 ROBINSON, D. H. Future of fodder crops. Field 201:152-153. Jan.29,1953. 10 F45

Root crops for feed in Great Britain.

33800 RODON, J. M. Las vitaminas en ganadería. Selec. Rur. 7(31):42-46. Oct./Dec.1952. 9.9 Se4

33801 RUDGE, C. E. Silage-making with sugar beet tops. Brit. Sugar Beet Rev. 21:77-79. Dec.1952. 66.8 B77

33802 SAINT-QUENTIN, M. L'allaitement artificiel des jeunes animaux. Rustica 25:1083. Nov.16,1952. 14 R92

33803 SCHARRER, K., SCHREIBER, R., and KUHN, H. Vergleichende einsäuerungsversuche des organischen sicherungszusatzes "Silam-silo-ameisensäure" mit glykosil und kofasalz zu luzerne. Oberhess. Gesell. f. Nat.- u. Heilk. Ber. Natwiss. Abt. (n.s.)25:78-92. 1952. 509 G36N

33804 SCHREIBER, W. Wie muss ein vielseitiges eiweissfutter beschaffen sein? Praxis u. Forsch. 4 (12,sup.),2 p. Dec.20,1952. 18 P89

33805 SEN, K. C. The nutritive values of Indian cattle foods and the feeding of animals. Indian Council Agr. Res. B. 25,ed.3,30 p. 1952. 22 In7M

33806 SENELLART, J. La conservation du fourrage. Cahiers des Ingen. Agron. 7(3):18-22. 1952. 14 C112

Preparation of silage and hay drying.

33807 SHEEHY, E. J. Farm feeding simplified. Agr. Ireland 10:4-5,7. Jan.1953. 10.5 Ag8

Includes feed formulas.

33808 SIOEN. Moderne begriffe über viehfütterung. III,V. Bauer [Eupen] 24(45):2; (46):1-2. Nov.9-16,1952. 281.8 B323

33809 SOUDIEUX, C. New uses for ramie. (In Portuguese.) Lav. e Criação 7(43):48-50. Oct.1952. 49 L392

Feed.

33810 STAZZI, P. Feeding and diseases of animals. (In Italian.) Clin. Vet. 75:337-340. Nov.1952. 41.8 C61

33811 STRIZIĆ, M. Livestock feeding en route. (In Serbo-Croatian.) Stòcarstvo 6:314-333. July 1952. 43.8 St6

33812 STRUM, G., and others. Mineral needs of livestock. N. Dak. Agr. Col. Ext. C. A-185,6 p.-folder. Oct. 1952. 275.29 N812Sa

W. Dinusson, C. Olson, J. Williams, and S. Vogel, joint authors.

33813 THOMAS. La mélasse dans l'alimentation des animaux. Défense Agr. de la Beauce et du Perche 50:3-4. Jan.1,1953. 14 D36

33814 TRUTER, G. J., and LOUW, J. G. Defluorination of aqueous solutions of superphosphate for use in animal nutrition. Onderstepoort J. Vet. Res. 25(3):93-97. Mar.1952. 41.8 On1

33815 TURINA, B. More on the problem of our feed base. (In Serbo-Croatian.) Stočarstvo 6:360-369. Aug. 1952. 43.8 St6

33816 USUELLI, F., and PIANA, G. Using by-products of the dairy industry for livestock feeding. (In Italian.) Riv. di Zootec. 25:354-358. Dec.1952. 49 R52

33817 VAZQUEZ, E. A. Carne y leche de la caña de azúcar. II. Asoc. de Téc. Azucareros de Cuba.B. Ofic. 11:381-388. Oct.1952. 65.9 As5B

Utilization of sugarcane waste as feed.

33818 VOISIN. Aspects nouveaux du problème de l'ensilage. Inform. Marocaine 626:1,3. Jan.10,1953. 281.8 In3

33819 VRIES, H. J. DE. The raw protein content of artificially dried grass. (In Dutch.) Ons Friese Platteland 7(299):7. Dec.10,1952. 12 On72

33820 WARD, H. H. Antibiotics & animal feeding. I. Agr. Merchant 33:10-12. Jan.1953. 10 Ag89

33821 WATSON, S. J. Silage and the conservation of winter fodder. Farmers' Club. J. 1:163-176. 1953. 10 L84

Includes discussion.

33822 WILCKE, H. L. Animal protein factors. Agr. & Indus. Life 14(12):8-9,56. Dec.1952. 25 Ag8

33823 WILLIAMS, J. C., SMITH, G. L., and JONES, J. H. Prairie hay tops peanut hulls. Tex. Livestock J. 12:9. Jan.15,1953. 49 T29

33824 WÖHLBIER, W. Der futterwert der schlempe. Deut. Landwirt.-Gesell. Mitt. 68:33-34. Jan.8,1953. 18 N39

33825 ZAITSEV, K. P. Silage in mobile silos. (In Russian.) Kormovaîa Baza 3(8):50-53. Aug.1952. 60.8 K84

33826 ŽAK, J., and others. Beitrag zum gehalt der organischen und anorganischen nährstoffe im weidegras während der vegetationsperiode. (In Czech.) Česposlov. Akad. Zeměděl. Sborn. 25:265-277. Oct.1952. 19.5 C332C

M. Brázda, J. Sedláček, and A. J. Herzig, joint authors. German summary.

33827 ZOTTNER, G. Le chlorure de sodium dans la ration des animaux. Chambre d'Agr. de Casablanca. B. 23(260):11,13. Dec.1952. 24C26

VETERINARY MEDICINE

33828 ALGEMEENE NEDERLANDSCHE ZUIVELBOND. Gezondheidsleer [Health manual], by P. Sjollema. s'Gravenhage,1952. 98 p. 41 AL3

33829 ALLCROFT, R. Lead poisoning in farm animals. Gt. Brit. Min. Agr. Agriculture 59:477-479. Jan. 1953. 10 G79J

33830 ANDREWS, F. N. Terapia endocrina en medicina veterinaria. Res 21:27672-27673. Jan.5,1953. 286.85 R31

33831 ANNUAIRE des docteurs en médecine vétérinaire de Belgique, Congo et Grand-Duche de Luxembourg. Ed. 17, 1952. Bruxelles,1952. 72 p. 225 An728

33832 ARANGO CASARRUBIOS, S. Apostillas a la actual onda epizoótica de la glosopeda. Cult. Mod. 35: 419. Nov.1952. 15 C89

Spain.

33833 ARCES, P. J. D'. Les leçons d'une épizootie de fièvre aphteuse. Élevage et Cult. 4(47):5-6. Nov. 1952. 24 EL2

33834 BALLARINI, G. Studies on the biology of Trichomonas vitulae Mazzanti 1900. (In Italian.) Zooprofilassi 7:437-442,445-454. Ref. Oct.1952. 41.8 Z72

33835 BANKS, W. C. Barium sulphate as a diagnostic aid. Sowest. Vet. 6:151-153. Winter 1953. 41.8 So82

33836 BELLE, G. Les moyens de lutte contre la fièvre aphteuse. Terre Marocaine 26:464-466. Dec.1952. 24 T44

33837 BLOOD, D. C. The treatment of livestock ailments. Inst. Insp. Stock N. S. Wales. Ybk. 1952:85, 87,90. 41.9 In73

33838 BORG, H. TER. The control of contagious abortion. (In Dutch.) Landbouwberichten 8(2):1. Jan. 8,1953. 12 L236

33839 BRADT, C. G. Here's how the States are fighting brucellosis. Agr. Leaders' Digest 35(10):16,18,20. Nov./Dec.1952. 275.28 Am3

33840 BRESSOU, C. L'épizootie actuelle de fièvre aphteuse. Acad. d'Agr. de France. Compt. Rend. 38:669-674. Nov.19/26,1952. 14 P215Bc

33841 BRITISH VETERINARY ASSOCIATION. Annual congress, Harrogate, 1952. London,1952. 56,cxxii p. 41.9 V64

Program, report, and list of members.

33842 BROOKSBY, J. B. The technique of complement-fixation in foot-and-mouth disease research. Gt. Brit. Agr. Res. Council. A.R.C. Rpt. Ser. 12,39 p. Ref. 1952. 10 G795A

33843 BUENOS AIRES (CITY) UNIVERSIDAD NACIONAL. FACULTAD DE AGRONOMIA Y VETERINARIA. La Facultad de Agronomía y Veterinaría; anotaciones sobre su fundación y desenvolvimiento, by L. Giusti, D. Inchausti and C. A. Lizer y Trelles. Buenos Aires,Impr. de la Universidad,1952. 224 p. 102.5 B862Fac

33844 CABALLERO Y CABALLERO, E. Revisión de los géneros y especies que integran la familia Acanthocolpidae Lühe, 1909. (Trematoda: Digenea). Rev. de Med. Vet. y Parasitol. 11(1/2),231 p. Ref. Jan./June 1952. 41.8 R3293

33845 CANADIAN VETERINARY MEDICAL ASSOCIATION. Proceedings, fourth annual meeting, September 15-17, 1952, St. Andrews by-the-Sea, New Brunswick. Canad. J. Compar. Med. 17(1),63 p. Jan.1953. 41.8 C162

33846 CAPELLE, T. J. VAN. From bacteriology to virology and the application of the last mentioned science to the control of the virus disease foot and mouth disease. (In Dutch.) Keurmeester 43:230-233. Dec.1952. 50.8 K51

33847 CARBALLO POU, M. La hidatidosis y los servicios de necropsias. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(444):4,7; (445):13; (446):10-11. Dec.4-18, 1952. 9.9 G15B
In Europe.

33848 CARNUS, O. Quelques applications de la scurocaine en médecine vétérinaire. Cahiers de Méd. Vét. 22:1-7. Jan./Feb.1953. 41.8 C11

33849 CEDRO, V. C. F. Un antígeno para la hemoaglutinación rápida en el diagnóstico de la brucelosis. Rev. de Med. Vet. [Buenos Aires] 34:17-18. Jan./Mar. 1952. 41.8 B86

33850 CHOMIAK, M. Der kern des seitenstranges (nucleus funiculi lateralis) bei der kuh, dem schwein und pferd. Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. C. 6:409-419. 1952. 512 L96Ac

33851 CILLI, V. Feed poisoning from the veterinary point of view. (In Italian.) Clin. Vet. 75:321-336. Nov. 1952. 41.8 C61
Causes of disease.

33852 COFFIN, D. L. Manual of veterinary clinical pathology. Ed. 3. Ithaca,N. Y.,Comstock,1953. 322 p. Ref. 41 C65

33853 CROSS, F. The pre-veterinary curriculum (panel). (Abs.) Assoc. Land-Grant Col. & U. Proc. 65: 297-298. 1951. 4 As7

33854 DALLING, SIR T. Interference phenomenon. Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 7:135-140. July/Sept.1952. 41.9 So18
In virus diseases of animals.

33855 DAUBNEY, R. The freeze-drying of living virus vaccines for veterinary use. In Institute of Biology. Freezing and drying, p.143-153. New York,Hafner,1952. 275.29 In72

33856 DENMARK. VETERINAERE SUNDHEDSRAD. Arsberetning for året 1951 [Annual report of the Veterinary Health Council for the year 1951]. København,1952. 95 p. 41.9 D412

33857 DESOUTTER. A propos de l'épizootie de fièvre aphteuse. Acad. d'Agr. de France. Compt. Rend. 38:674-675. Nov.19/26,1952. 14 P215Bc

33858 DE VILLIERS, O. T. Animal diseases dangerous to man. Farming So. Africa 27:465-466. Oct.1952. 24 So842

33859 DIMMITT, T. K. Improved blood incubator for Bangs disease tests. Farm Electrif. 7:12. Jan./Feb. 1953. 335.8 F224

33860 DOBBERSTEIN, J. 60 jahre veterinär-pathologie. Deut. Tierärztl. Wchnschr. 60:11-13. Jan.7,1953. 41.8 D482

33861 EDWARDS, P. R., and MCWHORTER, A. C. Two new Salmonella types: Salmonella harrisonburg and Salmonella westhampton. Cornell Vet. 43:110-111. Jan. 1953. 41.8 C81

33862 EPSTEIN, B. Diagnóstico y profilaxis de las enfermedades del ganado. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(446):7; (447):11. Dec.18-24,1952. 9.9 G15B

33863 EVELETH, D. F. Anthrax. N. Dak. Agr. Col. Ext. C. A-182,4 p.-folder. July 1952. 275.29 N812Sa

33864 EVELETH, D. F. Foot and mouth disease. N. Dak. Agr. Col. Ext. C. A-183,4 p.-folder. July 1952. 275.29 N812Sa

33865 FILIPPO, C. Considerations on competitive examinations for district veterinarians. (In Italian.) Prog. Vet. 7:820,822. Dec.15,1952. 41.8 P942

33866 FINLAND. MAATALOUSMINISTERIÖN ELÄINLÄÄKINTÖOSASTON. Eläinlääkintölaitos-kertomus vuodelta 1949, XX vuosiketta [Service Vétérinaire-rapport pour l'année 1949, XX année]. Helsinki,1952. 43 p. 41.9 F492
Summary and tables also in French.

33867 FLUCKIGER, G. Internationale verhandlungen über die bekämpfung tierischer seuchen im jahre 1952. Schweiz. Arch. f. Tierheilk. 95:52-58. Jan.1953. 41.9 Sch9

33868 FRANCIS, J. The distribution of sulphone in the tissues of various animals. J. Compar. Path. & Ther. 63:1-6. Jan.1953. 41.8 J82

33869 FREEMAN, A. A summer vacation at the [USDA] Animal Disease Station. Speculum 6:10-11,59. Autumn 1952. 41.8 Sp3

33870 GALLOWAY, I. A. Contributions on problems encountered in drying viruses, vaccines and antisera by sublimation. In Institute of Biology. Freezing and drying, p.155-158. New York,Hafner,1952. 295.9 In72
Foot and mouth disease vaccines.

33871 GFRERER. Wer beherrscht St. Marx? Im schatten der maul- und klauenseuche. Salzburger Bauer 7(44):1,7. Oct.29,1952. 19 Sa3

33872 GIBSON, A. W. Panel on the present trends of agricultural college curricula as related to pre-veterinary training. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:291-292. 1951. 4 As7

33873 GILON, S. Problems of veterinary medicine in Israel. (In Hebrew.) Refuah Vet. 9:117-121. Oct. 1952. 41.8 R25
English summary, p.134.

33874 GIROUY, G. Après l'épizootie de la fièvre aphteuse; mise au point d'actualité de la vaccination. Agriculture [Paris] 16:295-296. Dec.1952. 14 Ag823

33875 GOLDSMITH, M. Vacunas contra la aftosa. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(445):2. Dec.11,1952. 9.9 G15B

33876 GORBACHEVA, A. P. Biological value of feeding stuff proteins. (In Russian.) In Akademiia Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khoziaistve, p.262-275. Ref. Moskva,1952. 387.1 Ak12

33877 GORDON, H. M. How helminths harm their hosts. Inst. Insp. Stock N. S. Wales. Ybk. 1952:61,63-67, 69. 41.9 In73

33878 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. COMMITTEE ON LICENCES UNDER SECT. 7 OF THE VETERINARY SURGEONS ACT, 1948. Report. London,H. M. Stationery Off.,1952. 21 p. 41 G7922

33879 GUILBRIDE, P. D. L. Veterinary public health: the importance of animal disease to public health in the Caribbean with special reference to Jamaica. n.p.,1952? 33 p. 41 G944

33880 GUOTH, J. Beiträge zur vergleichenden anatomie des conus medullaris und filum terminale des rückenmarks. Acta Vet. 2:303-325. Ref. 1952. 41.8 Ac83

33881 GUSSARSSON, S. Foot and mouth disease in the province. (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn. 2:24-25. Apr.1952. 11 Sk1

33882 GUZHAL, É. Contributions to the comparative anatomy of the bronchial tree of domestic animals. The pulmonary segments. (In Russian.) Acta Vet. 2:201-223. Ref. 1952. 41.8 Ac83
English summary.

33883 HAAS, K. B., and HAAS, K. B., JR. The art of self-defense. 1. Allied Vet. 24:12-13. Jan./Feb.1953. 41.8 AL5
Insurance.

33884 HAGAN, W. A. The pre-veterinary curriculum. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:298-299. 1951. 4 As7

33885 HALLGREN, W., and BJÖRCK, G. Continuous intravenous infusion in large domestic animals. (In Swedish.) Nord. Vetmed. 5:1-32. Ref. Jan.1953. 41.8 N813
English summary.

33886 HART, G. H. Present trends in agricultural college curricula. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:296-297. 1951. 4 As7
Particular reference to veterinary medicine.

33887 HARTHOORN, A. M. The case for a practical approach to the problem of shock. Brit. Vet. J. 109:3-13. Ref. Jan.1953. 41.8 V643

33888 HERRERA, L. A. Cuestiones ganaderas nacionales: atribuir a la vacuna la propagación de la aftosa puede causar gran mal. Inst. de la Fiebra Aftosa. B. Inform. 15:3-7. Aug./Sept.1952. 41.9 C172
Venezuela.

33889 HIMMEL, L. 60 jahre staatliche tierseuchenbekämpfung. Deut. Tierärztl. Wchnschr. 60:46-50. Jan. 7,1953. 41.8 D482

33890 HINDMARSH, W. L. On "going about and seeing things." Inst. Insp. Stock N. S. Wales. Ybk. 1952: 25,27,29,31,33. 41.9 In73
Livestock diseases.

33891 HOBART, F. G. Modern veterinary medicaments. I. Anaesthetics. Mfg. Chem. 24:13-14. Jan.1953. 396.5 M31

33892 HOBSON, P. N., and MACPHERSON, M. J. Encapsulation in rumen bacterial fractions. Nature [London] 171:129-130. Jan.17,1953. 472 N21

33893 HUTCHISON, C. B. The Association of Land-Grant Colleges and Universities and its Division of Veterinary Medicine. (Sum.) Assoc. Land-Grant Col. & U. Proc. 65:288-291. 1951. 4 As7

33894 JONES, T. J. The pre-veterinary curriculum. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:299-300. 1951. 4 As7

33895 KALTENBACH, H. Macht eure tierbestände tuberkulosefrei. Bad. Landwirt. Wchnbl. 119:892. Dec. 13,1952. 18 B142

33896 KANSAS AND MISSOURI VETERINARY MEDICAL ASSOCIATIONS. Proceedings, 1952 meeting. Kansas City,Kansas,1952. 162 p. 41.9 K133

33897 KNIGHT, G. C. Colour films of small animal surgery. Irish Vet. J. 7:6-12. Jan.1953. 41.8 Ir4

33898 KOCH, A., and ÁBRAHÁM, E. Immunisationsversuche mit dem Aujeszkyschen virus. Acta Vet. 2:271-279. 1952. 41.8 Ac83

33899 KOUTZ, F. R., GROVES, H. F., and REBRASSIER, R. E. Parasites or pseudoparasites? Speculum 6: 7-9,56. Autumn 1952. 41.8 Sp3

33900 KRILL, W. R. The pre-veterinary curriculum. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:300-301. 1951. 4 As7

33901 KÜST, D. 60 jahre tiergeburtshilfe. Deut. Tierärztl. Wchnschr. 60:39-41. Jan.7,1953. 41.8 D482

33902 LANGENSCHEIDT, E. Untersuchungen über die desinfektionswirkung des phagogene H.N.C. 304. Monatsh. f. Prakt. Tierheilk. 4:465-480. 1952. 41.8 M74

33903 LIEBMANN, H. Über die verwendung proteolytischer fermente zur bekämpfung der nematoden der haustiere. Berlin. u. Münch. Tierärztl. Wchnschr. 66:17-22. Ref. Jan.15,1953. 41.8 B45

33904 LIEGEOIS, F. Acétonémie et acétose. Ann. de Méd. Vét. 96:387-399. Nov.1952. 41.8 An78

33905 LOPEZ ARANGUREN, J. Un parto laborioso puede motivar muchas veces la fiebre puerperal. Mundo Agr. 4(42):77. Nov.1952. 9 M92

33906 M'CARROLL, P. J. Some notes on the use of "Hyalase" in veterinary practice. Irish Vet. J. 7:13-15. Jan.1953. 41.8 Ir4

33907 MAMMOLI, R. Tympanites. (In Italian.) Gior. di Agr. 63:28. Jan.25,1953. 16 It1G

33908 MARTIN, J. E. Adrenocortical function and the use of cortisone and adrenocorticotropic hormone—a selective review. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 129, 44 p. Ref. Jan.19,1953. 41.9 P386

33909 MATTHÉAKIS, E. Nouvelles concéptions pathogéniques. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 7:156-162. July/Sept.1952. 41.9 So18
French summary.
Chiefly treatment of nephritis.

33910 MENASSE, I. Intoxication du betail dûe à la Mercurialis annua. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 7:147-153. July/Sept.1952. 41.9 So18
French summary.

33911 MENEZES, O. B. DE. Aspects of veterinary medicine in Rio Grande do Sul. (In Portuguese.) Granja [Porto Alegre] 8(65/66):53-54,56-57. Aug./Sept.1952. 9.2 G76

33912 MENZ, J. B. Die anwendung des follikelhormons in der tierärztlichen praxis. (Sum.) Giessen, 1951. 35 p. 41.2 M526
Inaug.-Diss. - Giessen.

33913 MEYN, A. 60 jahre mikrobiologie und immunbiologie. Deut. Tierärztl. Wchnschr. 60:13-15. Jan.7, 1953. 41.8 D482

33914 MICHELS, H. Der heutige zustand in bezug auf die maul- und klauenseuche. Bauer [Eupen] 24(48): 1. Nov.30,1952. 281.8 B323
Belgium.

33915 MICHELSEN, E. Experiments and experiences with a tetravalent vaccine against foot-and-mouth disease. (In Danish.) Nord. Vetmed. 5:98-102. Jan.1953. 41.8 N813
English summary.

33916 MILNE, F. J. Rumen surgery. Kans. & Mo. Vet. Med. Assoc. Proc. 1952:134-145. 41.9 K133
Includes discussion.

33917 MONLUX, W. S. Primary pulmonary neoplasms in domestic animals. (Condensed.) Sowest. Vet. 6:131-133. Winter 1953. 41.8 So82

33918 MUNDT, W. Beitrag zum studium des entwicklungszyklus von Trichomonas foetus unter besonderer berücksichtigung der rundformen. Tierärztl. Umschau 8: 15-17. Jan.1953. 41.8 T445

33919 NETCHAEV, P. Abscesos. Suelo Tico 6(27): 44-46. Jan./June 1952. 8 Su2
In livestock.

33920 NETCHAEV, P. Sarna. Agr. Costarricense 10:269-273. (Cont.) Dec.1952. 8 Ag895

33921 NEVEU. Le traitement de la fièvre aphteuse par le chlorure de magnésium. Acad. d'Agr. de France. Compt. Rend. 38:675-685. Nov.19/26,1952. 14 P215Bc

33922 NORTH DAKOTA. LIVESTOCK SANITARY BOARD. Laws and regulations pertaining to livestock sanitary control work. Bismarck,1952. 102 p. 41.5 N812

33923 NYASALAND. DEPT. OF VETERINARY SERV. Annual report for the year ended 31st December, 1951. Zomba,1951. 19 p. 41.9 N98

33924 OFF. INTERNATIONAL DES EPIZOOTIES. Statistiques (année 1952). Off. Internatl. des Epiz. Statis. 22:333-416. 1952. 41.8 Of2S

33925 OGILVIE, D. D. Modern trends in drug therapy. Vet. Rec. 65:25-29. Ref. Jan.10,1953. 41.8 V641

33926 OGLESBY, W. T. The pre-veterinary curriculum. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65: 301-303. 1951. 4 As7

33927 OLITZKI, A. L. A growth-inhibitor for streptomycin-resistant mutants in dense suspensions of Brucella abortus (strain 19). Nature [London] 171:132-133. Jan.17,1953. 472 N21

33928 OXFORD, A. E., and SUGDEN, B. A reconsideration of the rôle of ciliate protozoa in ruminant digestion. Brit. Agr. B. 5:308-311. Jan.1953. 10 B776

33929 PALOHEIMO, L., and MÄKELÄ, A. The rate of passage of food in the digestive tract of ruminants. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk, 24:165-169. 1952. 20 Su7M

33930 PATTI, P. La aftosa fue combatida por los "vencedores del hambre" en 1924. Mundo Agr. 4(42): 50-51. Nov.1952. 9 M92

33931 PAYNE, L. C. Rumen bacteriology and physiology. Kans. & Mo. Vet. Med. Assoc. Proc. 1952: 127-133. 41.9 K133

33932 PELLÉRDY, L., and BABOS, A. Investigations into the therapy of livercoccidiosis with atebrine, nitrofurazone and ultraseptyl, together with attempts to measure the toxic doses of these compounds. Acta Vet. 2:281-287. Ref. 1952. 41.8 Ac83

33933 PHILLIPS, R., and HUGHES, L. E. Some aspects of losses in farm animals. Brit. Vet. J. 109:33-38. (Concl.) Ref. Jan.1953. 41.8 V643

33934 POMMER, A. 25 jahre Röntgeninstitut der Tierärztlichen Hochschule in Wien. Wien. Tierärztl. Monatsschr. 39:713-726. Dec.1952. 41.8 T345

33935 POPOV, N. F. Uchenie I. P. Pavlova i fiziologiia pishchevareniia i kormleniia sel'skokhoziaistvennykh zhivotnykh [I. P. Pavlov's teaching and physiology of digestion and nutrition of farm animals]. Moskva,1952. 22 p. 389.7 P814

33936 PRICE, F. E. Present trends of pre-veterinary college curricula in Oregon. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:293-295. 1951. 4 As7

33937 PROSKURA, A. Lineal calendar of pregnancy of domestic animals. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(13):10-11. Sept.1952. 21.5 V87

33938 RADKEVICH, P. E. Veterinarnaia toksikologiia [Veterinary toxicology]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 190 p. Ref. (Uchebniki i Uchebnye Posobiia dlia Vysshikh Sel'skokhoziaistvennykh Uchebnykh Zavedenii) 391 R112

33939 RAJAGOPALAN, V. R., and ISRAIL, M. Laboratory experiments and field trials with vaccines from Sterne's avirulent anthrax strains. Indian Vet. J. 29:171-186. Ref. Nov.1952. 41.8 In2

33940 RAMON, G. Foot-and-mouth disease, epidemiologic, virologic and immunologic considerations, lessons drawn from a large epizootic. Off. Internatl. des Epiz. B. 37:625-661. Ref. Nov./Dec.1952. 41.8 Of2

33941 RICHOU, R. A propos de l'épizootie actuelle de fièvre aphteuse. Path. Gén. 52:684-701. Ref. Nov. 1952. 448.8 R326
English summary.

33942 RIECK, G. W. Rückblick auf die entwicklung einiger hauptprobleme der Bujatrik in den letzten 60 jahren. Deut. Tierärztl. Wchnschr. 60:20-22. Jan.7,1953. 41.8 D482

33943 ROBINSON, E. M. The veterinary profession in South Africa. So. African Vet. Med. Assoc. J. 23:245-252. Dec.1952. 41.8 So8

33944 ROCA JOLONCH, L. Apostillas a un comunicado sobre el control de las gufas de origen y sanidad. Lérida Ganad. 3:138-139. July 1952. 41.8 L56

33945 ROSENFELD, I., and BEATH, O. A. Distribution of P^{32} in tissues of normal animals. Soc. Expt. Biol. & Med. Proc. 81:608-611. Dec.1952. 442.9 So1

33946 ROTTGARDT, A. A., and GARCIA PIRAZZI, A. J. Acción del formol en la vacuna antiaftosa a hidróxido de aluminio, sobre la Brucella abortus Bang. Rev. de Med. Vet. [Buenos Aires] 34:19-24. Ref. Jan./Mar.1952. 41.8 B86

33947 RUIZ MARTINEZ, C. Bajo el signo de la aftosa—el amor y la fiebra aftosa. Inst. de la Fiebra Aftosa. B. Inform. 15:8-14. Aug./Sept.1952. 41.9 C172

33948 RYFF, J. F. Encephalitis in a deer due to Actinomyces bovis. Amer. Vet. Med. Assoc. J. 122:78-80. Feb.1953. 41.8 Am3

33949 SAMS, C. F. Veterinary aspects of Civil Affairs—Military Government. Mil. Surg. 112:31-36. Jan.1953. 448.8 M59

33950 SCHERBAUER, I. Omnacillin, eine kombination von omnadin und penicillin in der kleintierpraxis. Tierärztl. Umschau 8:20-22. Ref. Jan.1953. 41.8 T445

33951 SCHEUNERT, A. 60 jahre veterinärphysiologie. Deut. Tierärztl. Wchnschr. 60:7-11. Jan.7,1953. 41.8 D482

33952 SCHJERNING-THIESEN, K. The alteration of the oxyhemoglobin to methemoglobin in the complement-fixation reaction. (In Danish.) Nord. Vetmed. 5:73-78. Jan.1953. 41.8 N813
English summary.

33953 SCHMIDT HERMAN, L. Fiebre aftosa. Agr. Austral 22:313-315. Sept./Oct.1952. 9.3 Ag842

33954 SCHMITZ, H. Present trends in agricultural college curricula. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:295-296. 1951. 4 As7
With particular reference to veterinary medicine.

33955 SCHNEIDER, A. P. Hardware disease. West. Livestock 38(5):27,132. Dec.1952. 49 W523

33956 SCHNELLE, G. B. X-ray diagnosis as an aid to small animal practice. Kans. & Mo. Vet. Med. Assoc. Proc. 1952:83-96. 41.9 K133

33957 SCHULZE, W. Ein beitrag über die teratome bei den haustieren. Monatsh. f. Vetmed 7:500-503. Ref. Dec.15,1952. 41.8 M742

33958 SCRUGGS, J. H. The role of the veterinarian in the United States Public Health Service. Canad. J. Pub. Health 43:502-504. Dec.1952. 449.8 P964

33959 SENET, A. La lutte contre la fièvre aphteuse. Nature [Paris] 3211:351-352. Nov.1952. 473 N21

33960 SEVERE, J. Rabies in the Emek 1949-50. (In Hebrew.) Refuah Vet. 9:110-114. Oct.1952. 41.8 R25
English summary, p.136.

33961 SHAHAN, M. S. Foot-and-mouth disease, a threat to the United States. Washington,U. S. Bur. Anim. Indus.,1952. 11 p. Ref. 1.972 A2Sh1
Presented before the joint session of the Engineering, Epidemiology, Food and Nutrition and Laboratory Sections, Oct. 23, 1952.

33962 SIMMS, B. T. Toward a better livestock industry. Shoe & Leather Rptr. 268(12):13-14,21-24. Dec.20,1952. 303.8 Sh7
Disease and pest control.

33963 SIMMS, B. T. Transmissible diseases: controlling, eradication, prevention. Leather Mfr. 64: 13-18. Jan.1953. 303.8 L484
Livestock diseases.

33964 STAUFFER, V. D. Large animal practice methods. Speculum 6:12-14,60. Autumn 1952. 41.8 Sp3

33965 STEWART, J. L. The New Zealand club veterinary system. So. African Vet. Med. Assoc. J. 23:209-215. Dec.1952. 41.8 So8

33966 STROZZI, P. Informaciones relacionadas a la vacuna antiaftosa preparada en el Peru. Rev. de Med. Vet. [Buenos Aires] 34:27-39. Ref. Jan./Mar.1952. 41.8 B86
English summary.

33967 TAGLIA, L. Mastic for veterinary surgery. (In Italian.) Zootec. e Vet. 7(2):18-19. Feb.1952. 41.8 Z7

33968 TAPIAS MARTIN, S. Condiciones estéticas de los animales y su valor selectivo. Zamora. Junta Prov. de Fomento Pecuario. B. 11(128):1-2. Oct.1952. 49.9 Sp13
Conformation.

33969 TASSELLI, E. Experimental bases and practical experiences in antitetanus vaccination. (In Italian.) Croce Azzurra 3(4):3-9. July/Aug.1952. 41.8 C87

33970 THEILE, H. Veterinärmedizinische gesichtspunkte und massnahmen in landwirtschaftlichen produktionsgenossenschaften. Deut. Landwirt. 3:663-665. Dec.1952. 18 D4822
Russian Zone of Germany.

33971 TINDALL, C. Can we stamp out livestock diseases? Mo. Rur. 94(2):4-5,7. Jan.24,1953. 6 R8891

33972 TONDO, C. V. Experimental induction of mutation, by ultra-violet rays, of the foot-and-mouth-disease virus, detected by complement fixation. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(14): 3-10. Ref. Sept.1952. 49.9 R47
English summary.

33973 TORO, E. R. La brucelosis y su bolsillo. Rev. del Café 8(5):33. Dec.1952. 8 R3295
Puerto Rico.

33974 TWIEHAUS, M. J. Trichloroethylene extracted soybean meal poisoning. Kans. & Mo. Vet. Med. Assoc. Proc. 1952:75-82. 41.9 K133
Includes discussion.

33975 VAITSMAN, J. The danger from new importations of livestock from Asia. (In Portuguese.) Lav. e Criação 7(42):46-47. Sept.1952. 49 L392
Diseases.

33976 VAITSMAN, J. Foot rot of livestock, how to identify and how to treat it. (In Portuguese.) Lav. e Criação 7(42):52. Sept.1952. 49 L392

33977 VALADÃO, F. G. False tuberculin reactions. (In Portuguese.) Gaz. do Agr. 4:255. Oct.1952. 24 G25
In animals.

33978 VILAIN, P. Essai de traitement de la fièvre aphteuse par le chlorure de magnésium. Acad. d'Agr. de France. Compt. 38:704-708. Nov.19/26,1952. 14 P215Bc
Includes discussion by M. Javillier.

33979 VITALIANI, U. Professional unemployment and classification of veterinary services. (In Italian.) Prog. Vet. 7:744-745. Nov.15,1952. 41.8 P942

33980 WAGENER, K., and MITSCHERLICH, E. Internationale tuberkelbakterienstämme. Schweiz. Z. f. Allg. Path. u. Bakt. 15:701-714. Ref. 1952. 448.8 Sch9
English summary.

33981 WETZEL, R. 60 jahre parasitologie. Deut. Tierärztl. Wchnschr. 60:15-20. Jan.7,1953. 41.8 D482

33982 WILNED. Eran "campos malditos" los que azotaba el carbunclo en Europa. Mundo Agr. 4(42):34. Nov.1952. 9 M92

33983 WILNED. Tuvieron mucha resonancia los trabajos del Doctor Sergio Voronoff y el injerto animal. Mundo Agr. 4(43):62-63. Dec.1952. 9 M92
Rejuvenation through hormone injections.

33984 WINTER, A. Report on brucellosis eradication project. Washington,U. S. Bur. Anim. Indus.,1952. 4 p. 1.972 A2W73
Presented at annual meeting of the United States Sanitary Association, Oct. 28-31, 1952, at Louisville, Ky.

33985 WOLF, H. Kann die trockenheit des sommers 1952 die gesundheit unserer nutztiere schädigen? Allgäuer Bauernbl. 21:2-3. Jan.2,1953. 18 AL53

33986 YAMAGIWA, S., and TAJIMA, M. Neurohistologische studie über die encephalomalacia bei haustieren. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:145-158. Ref. 1952. 107.6 H682
German summary.

33987 YAMASHITA, J., and TAKAHASHI, S. Epidemiologic survey of parasites of domestic animals in Hokkaido. I. A survey of the suburbs of Sapporo. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:140-144. 1952. 107.6 H682
English summary.
Parasites of farm animals.

33988 YOHE, R. S. We can learn from Scandinavia about livestock disease control. Mont. Farmer-Stockman 40(9):8,34-35. Jan.1,1953. 6 M764

MISCELLANEOUS

33989 ARCES, P. J. D'. La puissance modificatrice de l'homme sur l'organisation des animaux domestiques. Elevage et Cult. 4(48):5-6. Dec.1952. 24 EL2

33990 BAY, O. Livestock judging training useful in career. Ark. Agr. 31(2):6,16. Dec.1952. 276.8 Ar42

33991 BRIQUET, R. Pequeno dicionário inglês-português de têrmos empregados em anatomia, ezoognósia, fisiologia, zootecnia e tecnologia dos produtos animais [A small English-Portuguese dictionary of terms used in anatomy, zoology, physiology, zootechnics and technology of animal products]. Brazil. Serv. de Inform. Agr. Sér. Didática 10,ed.2,rev. and enl.,166 p. 1952. 9.2 B7367

33992 COURVOISIER. Le VIme Congrès International de Zootechnie. Indus. de l'Aliment. Anim. 27: 7-9. Nov.1952. 389.78 In2

33993 CVETKOVIĆ, M. New conditions in the production and trade of meat in the world market. (In Serbo-Croatian.) Stočarstvo 6:333-334. July 1952. 43.8 St6

33994 DAUBNEY, R. Technical assistance to India in the sphere of animal production under the expanded technical assistance programme of F.A.O. Indian Vet. J. 29:167-171. Nov.1952. 41.8 In2

33995 DENMARK. LANDØKONOMISK FORSØGS-LABORATORIUM. Oversigt over Landøkonomisk Forsøgslaboratoriums arbejder i året 1951—52 samt Beretning fra den kgl. Veterinaer- og Landbohøjskoles institut for Sterilitetsforskning. [Survey of the activities of the Farm Economic Research Laboratory during the year 1951-1952 and Report of the Institute for Sterility Research of the Royal Veterinary and Farm College]. København,1952. 120 p. 49.9 D41
Livestock research.

33996 DOMINGUES, O. The XIX National Livestock Exposition at Porto Alegre. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:330-333. Sept./Oct.1952. 9.2 R324

33997 EASTWOOD, A. A. Visit to Malta. Gt. Brit. Min. Agr. Agriculture 59:483-486. Jan.1953. 10 G79J
Livestock.

33998 FRANK, VON. Schlächtereien der landwirtschaftlichen genossenschaften in Schweden. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:212. Feb.5,1953. 18 L2346

33999 GEIGER, E. Hausschlachtung mit klarem kopf. Reich der Landfrau 49:384-385,394-395. Dec.4-11,1952. 18 L2347

34000 GOURGOURAS, J. A. Brighton: oldest cattle market in U. S. Breeder-Stockman 14(9):9-10,60-61. Feb.1953. 49 V81
Livestock.

34001 HALL, G. P. Stock farming as a main enterprise. Farmers' Gaz. 110:1375. (Concl.) Dec.20,1952. 10 F221

34002 HÜLPHERS, G. Animal husbandry in Sweden. (In Swedish.) Mjölkpropagandan 30:14,16. Jan.1953. 44.8 M692

34003 HUPKA, E. Deutsche Tierärztliche Wochenschrift 60 jahre alt. Deut. Tierärztl. Wchnschr. 60:4-7. Jan.7,1953. 41.8 D482

34004 JACOSO. Curiosidades acerca del instinto y la inteligencia de los animales. Lérida Ganad. (ser.3)135:2-8. Jan.1952. 41.8 L56

34005 JONES, L. B. A crying need. Livestock Wk. 7(8):23,48,57. Dec.25,1952. 49 L753
Proposed Animal Science Building for the University of Arkansas.

34006 KARIOSOEPONO, S. Livestock census in Province Central Java at 29 September 1951. (In Indonesian.) Hemera Zoa 59:403-472. Sept./Oct.1952. 41.8 V51
English summary.

34007 LEGHIS, L. M. Quel élevage choisir? Paysan Franç. 28(420):8. (Cont.) Dec.1952. 14 P29

34008 LITTON, G. W. The Virginia Livestock Council. Breeder-Stockman 14(9):58. Feb.1953. 49 V81

34009 LOMBARDO, R. A. Produccion de carnes. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(440):3-4. Nov.6,1952. 9.9 G15B

34010 MAYO, H., GANNON, E. A., and HOGUE, R. L. How we do it in Indiana. Natl. Inst. Anim. Agr. Proc. 2: 31-39. 1952. 49.9 N219
Contents: Purdue Livestock and Meat Caravan, by H. Mayo; Dairy caravans—how to reach and influence farm people, by E. A. Gannon; Poultry developments, by R. L. Hogue.

34011 MILTON, Q. Rural expositions. (In Portuguese.) Granja [Porto Alegre] 8(65/66):94. Aug./Sept. 1952. 9.2 G76
Livestock shows in Brazil.

34012 MORRISON, J. A survey of past developments, present day trends and possible future developments in the practice of livestock husbandry in Northern Ireland agriculture. Brit. Agr. B. 5:270-271,273-274,276. Jan. 1953. 10 B776

34013 NEW ZEALAND DEPT. OF AGRICULTURE. ANIMAL RESEARCH DIV. Annual report 1951-52. Wellington,1952. 30 p. 49.9 N484A

34014 NEW ZEALAND SOCIETY OF ANIMAL PRODUCTION. Proceedings, twelfth annual conference, held in Hamilton, February 11th, 12th and 13th, 1952. Wellington,1952. 120 p. 49.9 N483

34015 PEDRO, G. Les productions animales en Basse-Kabylie. Elevage et Cult. 4(48):17-18. (Cont.) Dec.1952. 24 EL2

34016 RODON, J. M. Desinfección de corrales y establos. Cult. Mod. 35:455. Dec.1952. 15 C89

34017 ROGERS, A. Importance of livestock sanitation program. Polled Hereford World Mag. 7(2):12,56,74. Feb.1953. 43.8 P76

34018 ROMIJN, C. Climate and domestic animals. (In Dutch.) Tijdschr. v. Diergeneesk. 78:24-33. Jan.1, 1953. 41.8 T431
English summary.

34019 ROZZI, U. The XIIth show and sale of bullocks, bulls, livestock families, and farm groups. (In Italian.) Avvenire Agr. 60:259-263. Nov.1952. 16 Av9

34020 SCHÖNBERG, F. Zur unentbehrlichkeit der schlachttieruntersuchung—lebenduntersuchung. Lebensmitteltierarzt 3:104-105. Nov.1952. 41.8 L49

34021 STEINIGER, F. Rattenstreupulver, giftköder und haustiere. Gesunde Pflanzen 5:22-24. Jan.1953. 464.8 G33

34022 TABB, D. Type changes in livestock. Tex. A. & M. Agr. 11:9,17-19. Nov.1952. 276.8 T31

34023 TALLARICO, G. Wonder drugs from slaughtering waste. (In Italian.) Italia Agr. 89:795-797. Dec.1952. 16 It1
Pancreatin and ACTH.

34024 THOMPSON, W. R., and MCKINNEY, J. The livestock book. Decatur,Ga.,Bowen Press,1952. 370 p. 40 T372

34025 TIQUET-REMONT, R. La Revue de l'Elevage aux Pays-Bas. Rev. de l'Élevage 8:36-43. Jan.1953. 49 B462
Review of livestock industry.

34026 TORRENS PASTOR, A. Apostillas al concurso provincial de ganado. Balearic Isl. Diputación Prov. B. de Agr. 98:1-3. Nov.1952. 15 B19

34027 UNITED PROVINCES OF AGRA AND OUDH. ANIMAL HUSBANDRY DEPT. Annual report of the Animal Husbandry Department Uttar Pradesh for the year 1949-50. Uttar Pradesh. Anim. Husb. Dept. Annu. Rpt. 115 p. 1952. 49.9 Un33

34028 U. S. BUR. OF ANIMAL INDUSTRY. Report, 1951/52. Washington,1952. 109 p. 1 An5A

34029 WAGNER-ROEMMICH. Schlachthofrationalisierung in einer sackgasse? Lebensmitteltierarzt 3: 108-110. (Cont.) Nov.1952. 41.8 L49

34030 WALASEK, E. Die amerikanische tierzucht und die fleischindustrie. Osterr. Fleischhauer- u. Fleischselcher-Ztg. 51/52:11. Dec.20,1952. 50.8 Os7

CATTLE

Breeds and Breeding

34031 ABOL', T. P. Milk composition of cows of the Red Steppe breed in Omsk Region. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:179-188. 1950,pub.1951. 44.9 V962

34032 ALVES, N. G. Normandy breed. (In Portuguese.) Agr. e Pecuaria 24(345):37-38. June 1952. 9.2 Ag89

34033 AMERICAN MILKING SHORTHORN SOCIETY. Milking Shorthorn year book, volume 37, 1952. Springfield,Mo.,1952. 299 p. 43.9 Am3M

34034 AMERICAN SHORTHORN BREEDERS' ASSOCIATION. U.S.A.: producers turn to Shorthorns. Scotch Shorthorn Rec. (n.s.)2:36. Dec.1952. 43.8 Sco3

34035 BATTLES, O. V. Aberdeen-Angus cattle have had a colorful, as well as useful history, and they have demonstrated their adaptability to range conditions. Aberdeen-Angus J. 34(7):60,182-183. Feb.1953. 43.8 Ab3

34036 BECKER, R. B. Relation of Florida research programs to more efficient milk production. Fla. Dairy News 2(8):15,32. Dec.1952/Jan.1953. 44.8 F66
Herd improvement and feed research.

34037 BENNETT, J. New breed of beef cattle. Speculum 6:37. Autumn 1952. 41.8 Sp3
Santa Gertrudis.

34038 BERGE, S. Basic prerequisites for research in the genetics of milk production. (In Norwegian.) Nord. Jordbrforsk. 34:113-143. Ref. 1952. 11 N752
English summary.

34039 BONADONNA, T. Rearing of Brown Alpine breed in Germany and Vorarlberg. (In Italian.) Zootec. e Vet. 7(2):10-17. Feb.1952. 41.8 Z7

34040 BRIQUET, R. Advantages of crossing between dairy breeds. (In Portuguese.) Granja [Porto Alegre] 8 (65/66):82. Aug./Sept.1952. 9.2 G76

34041 BROOKS, H. J., and TERRAZAS M., I. Programa ganadero para vacunos de carne en el Oriente Boliviano. Bolivia. Serv. Agr. Interamer. Div. de Ext. Agr. C. de Ext. 2,11 p. Sept.1951. 275.249 B63
Breeding program.

34042 BROWN, B. Recognition of Holstein sires. West. Dairy J. 9(2):40,42. Dec.1,1952. 44.8 W524

34043 BROWN, P. W. Angus investments pay. Rec. Stockman, Annu. Ed. 64:164-165. Jan.1,1953. 49 D43

34044 BUCHANAN SMITH, A. D. Objective of Scottish Shorthorn breeders. Scotch Shorthorn Rec. (n.s.) 2:48. Dec.1952. 43.8 Sco3

34045 CANADIAN ABERDEEN ANGUS BREEDERS ASSOCIATION. The Canadian Aberdeen Angus herd book, v. 14, pt. 1. Ottawa,1952. 268 p. 43.9 C165

34046 CAÑON, J. J. El ganado Romo-Sinuano, una raza de carne para el trópico. Agr. Trop. 8(11):17-22. Nov.1952. 26 Ag8

34047 CARLSON, J. A. Artificial insemination—a link in the rationalization of the cattle industry. (In Swedish.) Mjölkpropagandan 29:282,284. Dec.1952. 44.8 M692

34048 CAROLIS, V. DE. Management rules for the dairy farm. (In Italian.) Rinascita Agr. 7(9):2. Mar.1, 1952. 281.8 R47
Breeding.

34049 CASSIDY, J. Mineral treatment of infertility in dairy cows. Agr. Merchant 32:325-327. Dec.1952. 10 Ag89

34050 CASTLE, O. M. Selection through the [dairy] herd sire. New Zeal. Soc. Anim. Prod. Proc. 12:40-48. 1952. 49.9 N483
Includes discussion.

34051 CHAMBERS, E. E. Bovine sterility. No. Amer. Vet. 34:106-110. Feb.1953. 41.8 N812

34052 CHANDIRAMANI, S. V. Cattle breeding for urban milk supply. Indian Dairyman 4:75-77,85. Nov. 1952. 44.8 In282

34053 CHESTER, R. D., and HOWARD, K. F. The Santa Gertrudis breed of beef cattle and its possible use in Queensland. Queensland Agr. J. 75:288-305. Nov.1952. 23 Q33

34054 CSUKAS, Z. Progeny testing in the breeding of dairy cattle. Acta Agron. [Budapest] 2:209-234. Ref. 1952. 19 Ac8

34055 CURRIE, J. J. The Shorthorn x Highland. Scotch Shorthorn Rec. (n.s.)2:56. Dec.1952. 43.8 Sco3

34056 DAIRY Shorthorn year book for 1951. London, 1953. 1160 p. 43.9 D14

34057 DERBINA, K. A. Increasing the fat content of milk in cattle on collective farms of tke Kholmogorskii State Breeding Station. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:99-103. 1950,pub.1951. 44.9 V962

34058 DIXON, B. Popularity of Milking Shorthorns in the Southwest. Tex. Livestock J. 12:86-87,90. Jan.15, 1953. 49 T29

34059 DOMINGUES, O. Red Danish cattle. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:337-340. Nov./Dec. 1952. 9.2 R324

34060 DUGDALE, L. M. Australia: Shorthorn progress being maintained. Scotch Shorthorn Rec. (n.s.)2:18. Dec.1952. 43.8 Sco3

34061 DURNO, J. W. Can we do more to encourage use of Shorthorn bulls on range herds. Shorthorn News [Waterloo] 13(4):9. Dec.1952. 43.8 Sh85

34062 ENGELER, W. Ergebnisse der halteprämiierungen und zuchtfamilienschauen im jahre 1952. Schweiz. Braunviehzuchtverband. Mitt. 5:153-210. Dec.1952. 43.9 Sch93M

34063 EVANS, J. V. New Zealand—importations help to consolidate gains. Scotch Shorthorn Rec. (n.s.)2:21. Dec.1952. 43.8 Sco3
Scotch Shorthorns.

34064 FIELD, T. B. Variety in herd-bull problems. Amer. Hereford J. 43(19):136,140-141. Feb.1,1953. 43.8 Am32

34065 FISCHER, H. Die letalfaktoren des rindes. Fortpflanzung u. Besamung der Haustiere 3:1-2. Ref. In Deut. Tierarztl. Wchnschr. 60(1/4). Jan.7,1953. 41.8 D482

34066 FORM chart for winning bulls. Farm Mangt. 2(3):70-73. Feb.1953. 281.8 F2225

34067 FRASER, A. Survival of the beefiest. Farmers Wk. [London] 38(5):58-59. Jan.30,1953. 10 F2226
Beef cattle breeds in Britain.

34068 FRIGGENS, P. Crack down on dwarfs? Farm J. 77(2):37,86,88. Feb.1953. 6 F2212
Dwarfism in cattle and use of the profilometer to spot the dwarf-carrying bulls.

34069 FUNKQUIST, B. The Avesta-herd. (In Swedish.) Avelsför. f. Svensk Röd och Vit Boskap. Tidskr. 25(4):18-30. 1952. 43.9 Av32

34070 GIULIANI, R. The best age for breeding young dairy cattle. (In Italian.) Riv. di Zootec. 25:345-353; 26: 1-8. Dec.1952-Jan.1953. 49 R52

34071 GLEN-LEARY, H. South Africa—the promise of to-morrow. Scotch Shorthorn Rec. (n.s.)2:20. Dec. 1952. 43.8 Sco3
Scotch Shorthorns.

34072 GOMIEN CACERES, R. El Aberdeen-Angus. Agr. Austral 22:289. Sept./Oct.1952. 9.3 Ag842

34073 GOTSIRIDZE, N. K. Improved cattle of Georgia. (In Russian.) Sotsialist. Zhivotnovod. 14(10):82-84. Oct.1952. 49 So71
Native with Swiss Brown and Simmental.

34074 GRETSCH, K. Aus der badischen rinderzucht. Landwirt 1953:82-84. 18 L2342

34075 GRIFFITHS, O. E. El bufalo es sometido a una prueba racial. Campesino [Santiago] 84(12):25. Dec.1952. 9.3 So12
Crossing of buffalos with cattle in Canada.

34076 GRIMM. Auszug aus der besamungskartei. Fortpflanzung u. Besamung der Haustiere 2:94-96. Dec. 15,1952. 41.8 F773
Causes of sterility of cattle.

34077 HAHN, H. Aufgaben zur leistungssteigerung der Höhenfleckviehzucht. Tierzucht 6:397-401. Dec.1952. 49 T443

34078 HALL, S. B. Informe sobre su labor de clasificación. Holstein Colomb. 6(44):3-4,6-8,10. (Cont.) Sept./Oct.1952. 43.8 H744

34079 HANCOCK, J. Current genetic thought and dairy cattle breeding. New Zeal. Soc. Anim. Prod. Proc. 12:16-31. Ref. 1952. 49.9 N483
Includes discussion.

34080 HANSEN, K., and ØSTERGAARD, P. S. Afkomsprøver med tyre. VII. Statistiske analyser af ydelsestallene [Progeny testing of bulls. VII. Statistical analysis of yield figures]. Denmark. Stat. Husdyrbrugsudv. Forsogslab. Beret. 263,152 p. 1953. 104 D41
English summary.

34081 HENKE, L. A. Daughter-dam studies evaluate dairy sires. Hawaii Farm Sci. [Hawaii Sta.] 1(4):4-5. Jan.1953. 100 H314

34082 HUNTER, T. Artificial insemination. Mont. State Col. Farmer 6:10,20,22,24,26. Dec.1952. 276.8 M76
Cattle.

34083 IDVALL, S. New rules for entering Swedish Red and White cattle in herdbooks. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12:96-98. 1952. 11 K12

34084 ISUPOV, A. G. Increasing the fat content in milk of Krasnogorbatovskaía cattle breed. (In Russian.) Vsesoîuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:91-94. 1950,pub.1951. 44.9 V962

34085 KAPPES. Drei jahre künstliche besamung in der gemeinde Gerchsheim, kreis Tauberbischofsheim. Bad. Landwirt. Wchnbl. 120:52-53. Jan.10,1953. 18 B142
Cattle.

34086 KENNEDY, C. California—our Pacific Angus empire. Aberdeen-Angus J. 34(7):48-53. Feb.1953. 43.8 Ab3

34087 KETTLE, W. C. Know your Hereford families. Rec. Stockman, Annu. Ed. 64:208. Jan.1,1953. 49 D43

34088 KINDLIMANN, J. Ist die künstliche besamung zur bekämpfung der trichonomadenseuche notwendig? Grüne 81:104-106. Jan.23,1953. 17 Sch9

34089 KING, B. A 1952 breed review: Polled Herefords advance with 26 per cent registration hike. West. Livestock 38(5):115,132. Dec.1952. 49 W523

34090 KLINE, C. T. A job well done. Jersey B. 72: 93. Jan.25,1953. 43.8 J48
American Jersey Cattle Club activities.

34091 KOHLI, M. L., COOK, A. C., and DAWSON, W. M. The inheritance of growth rate and efficiency of gain in Milking Shorthorn steers. J. Hered. 43:249-252. Ref. Sept./Oct.1952. 442.8 Am3

34092 LAGERLOF, N., and BOYD, H. Ovarian hypoplasia and other abnormal conditions in the sexual organs of cattle of the Swedish Highland breed: results of post-mortem examination of over 6,000 cows. Cornell Vet. 43: 64-79. Jan.1953. 41.8 C81

34093 LAGERLOF, N., and SETTERGREN, I. Results of seventeen years' control of hereditary ovarian hypoplasia in cattle of the Swedish Highland breed. Cornell Vet. 43:52-64. Jan.1953. 41.8 C81

34094 LAJOIE, H. La race Holstein-Friesian. Digeste de l'Éleveur 7(3):22-25. Nov.1952. 49 D56

34095 LANGE, W. Leistung und typ der rheinischen rinderzucht. Tierzüchter 5:7-9. Jan.5,1953. 49 T445

34096 LANTY, H. L. DE. Sélectionnons nos reproducteurs; importance de l'hérédité et des contrôles laitiers. Rustica 25:1227; 26:52. (Cont.) Dec.28,1952, Jan. 18,1953. 14 R92
Cattle.

34097 LARSEN, L. H. Progeny tests for bulls. (In Swedish.) Avelsför. f. Svensk Röd och Vit Boskap. Tidskr 25(4):5-8. 1952. 43.9 Av32

34098 LESECQ, L. Du Havre en Colombie avec des reproducteurs Normands. Rev. de l'Elevage 7:710-711, 713. Dec.1952. 49 B462

34099 LETZ, R. Charolaise cattle in the United States. Cattleman 39(9):24-27,54,56. Feb.1953. 49 C29

34100 LINCOLN RED SHORTHORN SOCIETY. Lincoln Red herd book, v. 52. Waterside North,Lincoln,1952. 485 p. 43.9 L632

34101 LLANO G., E. Ganado Hereford. Soc. Antioqueña de Agr. B. Agr. 387:3523-3526. July 1952. 9.4 So1

34102 LONKA, T. Could the economy of our animal husbandry be improved by cattle breeding. (In Finnish.) Teho 9:401-404. 1952. 20 T98
English summary, p. 450.

34103 LOVAT, LORD. The size of present day Shorthorns. Scotch Shorthorn Rec. (n.s.)2:15. Dec.1952. 43.8 Sco3

34104 MCDOWELL, R. E., FOHRMAN, M. H., and LEE, D. H. K. Comparative heat tolerance of Jerseys and Red Sindhi X Jersey crosses. U. S. Bur. Dairy Indus. BDI-Inf-144,4 p. Nov.1952. 1.973 D4B34

34105 MACEWAN, G. Dwarfism is a breeder's problem. Canad. Cattlemen 16(2):8-9. Feb.1953. 49 C16

34106 MCFARLANE, D. Low calving-percentages in beef cattle due to infection by trichomoniasis. Massey Agr. Col. Sheepfarming Annu. 15:61-66. Nov.1952. 45.9 M38S
Includes discussion.

34107 MACFARLANE, F. La raza Guernsey. Bolsa de Com. Rosario. Rev. 40(981):3-4,6. Nov.30, 1952. 287 R71

34108 MCGHEE, J. Arkansas dairy breeding goes modern. Ark. Agr. 31(2):7. Dec.1952. 276.8 Ar42

34109 MCINTOSH, J. 1925—1952: twenty-seven years' progress. J. Red Poll Breed 28(105):53-54. Winter 1952. 43.8 J82

34110 MAGNUSSON, K. Breeding for the rancher. Canad. Cattlemen 16(2):32-33. Feb.1953. 49 C16

34111 MASON, I. L. Beef production from Red Poll steers. J. Red Poll Breed 28(105):26-31. Winter 1952. 43.8 J82
Scotland.

34112 MASON, I. L. Genetic aspects of artificial insemination. (In Italian.) Zootec. e Vet. 7(2):30-37. Feb.1952. 41.8 Z7
English summary.
Cattle.

34113 MATAGRIN, P. Le rameau Abondance de la Pie Rouge de l'Est. Rev. de l'Élevage 8:44-45. Jan.1953. 49 B462

34114 MAYALL, S. Why and how I keep Ayrshires. Farmer [Bridgwater] 7(2):22-24,30. Winter 1952. 10 F2282

34115 MEACHEM, W. Jersey sire programs. West. Dairy J. 9(2):64-65. Dec.1,1952. 44.8 W524

34116 MELROSE, D. R., and TERNER, C. The metabolism of pyruvate in bull spermatozoa. Biochem. J. 53:296-305. Ref. Jan.1953. 382 B52

34117 MILLER, L. Black—but bright future; western dominance in Angus breed shows 57 percent of registrations, 56 percent of sales at auction. Rec. Stockman, Annu. Ed. 64:153,155. Jan.1,1953. 49 D43

34118 MILLER, L. A 1952 breed review: Angus experience husky growth in Western beef ranch regions. West. Livestock 38(5):107,122. Dec.1952. 49 W523

34119 MIRZOÎAN, A. N. Change in fat content of milk in cows of various breeds in U.S.S.R. (In Russian.) Vsesoîuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:115-120. 1950,pub.1951. 44.9 V962

34120 MIRZOÎAN, A. M. Milk fat content of cattle of various breeds. (In Russian.) Sotsialist. Zhivotnovod. 14(10):30-32. Oct.1952. 49 So71

34121 MORRISON, D. J. Breeding troubles. Oreg. Farmer 76:37,45. Jan.15,1953. 6 Or32
Dairy cattle.

34122 MUILWIJK, E. VAN. Dutch cattle raising. VI. Where does the Black Pied come from? (In Dutch.) Nieuwe Veldbode 19:152. Nov.20,1952. 12 V542N

34123 NEHRING, E. R. Durch besamung höhere befruchtungsergebnisse unserer rinderbestände. Tierzucht 6:402-405. Dec.1952. 49 T443

34124 NEL, G. D. Progress of the Jersey breed in South Africa. Jersey Cow (n.s.)38:13-14,16-17. Winter 1952/53. 43.9 En3J

34125 NILSSON, N. E. Best result 332 kilogram butterfat; Swedish Jersey breeding during the year 1952. (In Swedish.) Lantmannen 37:130,132. Feb.7,1953. 11 L234

34126 OERTZEN, H. U. VON. 60. geburtstag der Westfälischen Rotbuntzucht. Tierzüchter 5:10-12. Jan.5, 1953. 49 T445

34127 OERTZEN, H. U. VON. Die züchterische tradition Ostfrieslands. Tierzüchter 5:31-33. Jan.20, 1953. 49 T445
Black Pied Lowland cattle.

34128 PASSERINI. Trends in the selection of the Brown Alpine breed in Italy. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(11):10-14. Nov.1952. 287 So5

34129 PATRICK, T. E. A study of some factors affecting efficiency of reproduction in dairy cattle serviced by artificial insemination. Mich. U. Diss. Abs. 12: 763. 1952. 241.8 M58

34130 PICCOLI, G. Young Brown Alpine bulls at the Verona fair. (In Italian.) Agr. delle Venezie 6:590-593. Dec.1952. 16 Ag826

34131 PROULX, J. R. Bases de la sélection des vaches laitières. Ferme 14(3):18-19,39. Nov.1952. 7 F38

34132 REBER, V. V. Red Oka [dairy] cattle. (In Russian.) Sotsialist. Zhivotnovod. 14(10):79-81. Oct.1952. 49 So71

34133 RENDEL, J. Cattle blood groups and their use in breeding. (In Swedish.) Ladugården 12:355-360. Dec. 12,1952. 44.8 L12

34134 RICE, V. A. Raising the ante for sire approval. Ayrshire Digest 39:8,12,14. Jan.15,1953. 43.8 Ay7

34135 ROMBALDI. The visits for approval of bulls for 1952. (In Italian.) Avvenire Agr. 60:268-272. Nov. 1952. 16 Av9
Italy.

34136 SAMVIRKENDE KVAEGAVLSFORENINGER MED KUNSTIG SAEDOVERFØRING. Aarsberetning for 1951. Summary of the report of the National Association of Danish Cattle Breeding Societies A. I. 1951. Aarhus, 1952. 199 p. 43.9 Sa43
English summary.

34137 SAVAGLIO, L., and PRA, G. DAL. Review of selected heifers of the Chianina breed. (In Italian.) Agr. Tosc. 7:331-338. Oct.1952. 16 Ag827

34138 SCHAUS, R. Achievement with Herefords. West. Livestock J. 31(11):44,94-96. Feb.1953. 6 F2278

34139 SCHINDLER, H., and VOLCANI, R. Conception rate of cows after insemination at different stages of heat. (In Hebrew.) Refuah Vet. 9:104-107. Oct.1952. 41.8 R25
English summary, p.139-138.

34140 SCHOLZ. Ein blick in die züchterarbeit in Angeln. Tierzüchter 5:39-40. Jan.20,1953. 49 T445

34141 SCOTT, I. W. Official Progeny Survey. Agr. Gaz. N. S. Wales 63:571-574. Nov.1952. 23 N472

34142 SELDIN, E. D. I learned about Angus in the drouth. Rec. Stockman, Annu. Ed. 64:159-160. Jan.1, 1953. 49 D43

34143 SHORTHORN SOCIETY OF THE UNITED KINGDOM OF GT. BRIT. AND IRELAND. Coates's herd book, containing the pedigrees of Shorthorn cattle, n. s., v. 98. London,1952. 1340 p. 43.9 C63

34144 SINGH, SIR D. The Key Village Scheme for the improvement of cattle in India. Roy. Soc. Arts. J. 100:776-777. Oct.3,1952. 501 L847J

34145 SIXTENSSON, S. The next generation should take good care of the inheritance; Swedish Red and White cattle during the year 1952. (In Swedish.) Lantmannen 37:29-31. Jan.10,1953. 11 L234

34146 SMIRNOV, P. F., and SOKOL'NIKOV, E. A. Increasing the milk fat in cows of the Aroslav breed. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:70-79. 1950,pub.1951. 44.9 V962

34147 SMITHCORS, J. F. The predictability of the butterfat transmitting ability of dairy bulls. Mich. U. Diss. Abs. 12:772. 1952. 241.8 M58

34148 SPIES, P. Erfahrungen mit dem trockenverdünner "Dilopten" in der besamungspraxis. Tierärztl. Umschau 8:23-24. Jan.1953. 41.8 T445
Cattle.

34149 STARTSEV, D. I. Breeding work on increasing the milk fat in cattle in Altai Territory. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:60-70. 1950,pub.1951. 44.9 V962

34150 STEWART, A. The expansion and structure of the New Zealand pedigree Jersey breed. New Zeal. Soc. Anim. Proc. Proc. 12:32-39. 1952. 49.9 N483

34151 STONAKER, H. H. Selective breeding means minus marks, too! Rec. Stockman, Annu. Ed. 64:101,103, 105. Jan.1,1953. 49 D43

34152 STONE, F. C. Our Hereford cattle. Westralian Farmers' Co-op Gaz. 23:131-132. Sept.1952. 280.28 W522

34153 THOMAS, R. Westward Shorthorns! Rec. Stockman, Annu. Ed. 64:61-62,211. Jan.1,1953. 49 D43

34154 THOMAS, R. A. California developments are outstanding in recent promotions of Shorthorn breed. Calif. Cattleman,Feb.1953:10,18. 43.8 C12

34155 TIQUET-REMONT, R. La revue de l'elevage en Allemagne. Rev. de l'Élevage 8:136-139. (Cont.) Feb.1953. 49 B462
Dairy cattle.

34156 TITLESTAD, L. "Santa Gertrudis" of South Africa; hardy well-fleshed, tractable cattle bred from Africanders and Shorthorns in Zululand Mountains. Farmer's Wk. [Bloemfontein] 84:33,35. Dec.31,1952. 24 F225

34157 TURNER, C. W. An endocrine approach to the study of the inheritance of milk secretion. New Zeal. Soc. Anim. Proc. Proc. 12:94-101. 1952. 49.9 N483
Dairy cattle.
Includes discussion.

34158 TURNER, J. A 1952 breed review: beacons of Hereford progress flash across Nation's trails. West. Livestock 38(5):38,40,117. Dec.1952. 49 W523

34159 U. S. BUR. OF DAIRY INDUSTRY. Dairy-cattle breeding studies at the Iberia Livestock Experiment Station. U. S. Bur. Dairy Indus. BDI-Inf-82,rev.,4 p. Sept.1952. 1.973 D4B34

34160 VAN HEERDEN, J. S. Some observations on the application of artificial insemination in commercial dairy herds in the Transvaal. So. African Vet. Med. Assoc. J. 23:195-207. Dec.1952. 41.8 So8

34161 VARO, M. Tutkimuksia karjanjalostuksen tehostamismahdollisuuksista erityisesti sonnien valintaa silmälläpitäen. [Untersuchungen über die steigerungsmöglichkeiten der viehzüchtung unter besonderer berücksichtigung der bullen]. Suomen Maataloustiet. Seura. Julkaisu. 77,156 p. Ref. 1952. 20 Su7
German summary.

34162 VIRGINIA GUERNSEY BREEDERS' ASSOCIATION. Virginia 1953 directory. Guernsey Breeders' J. [Peterborough] 87:437-504. Feb.15,1953. 43.8 G93

34163 WASHBON, W. E. Sire family pedigree analysis. West. Dairy J. 9(2):11-12. Dec.1,1952. 44.8 W524

34164 WHITLOCK, R. A beast from the past; the finding of the coelacanth calls attention to a feat of breeding back from modern cattle to resurrect an extinct ancestor. Field 201:159. Jan.29,1953. 10 F45

34165 WHITLOCK, R. The land first. VI. Britain's peerless cattle. Field 201:119-120. Jan.22,1953. 10 F45
Cattle breeds.

34166 WILSON, C. C. A study of the transmitting ability of Brown Swiss sires. Mich. U. Diss. Abs. 12: 765-766. 1952. 241.8 M58

34167 WINNIGSTEDT. Nochmal rinderzucht und besamung. Tierzüchter 5:3-5. Jan.5,1953. 49 T445

34168 WOLBERG, F. Sire selection. West. Dairy J. 9(2):21-22. Dec.1,1952. 44.8 W524

34169 WOLDMAR, G. The Ayrshire herd at Frötuna. (In Swedish.) Ladugården 12:360-361. Dec.12, 1952. 44.8 L12

34170 YOUNG, W. World's finest crossing sire. Scotch Shorthorn Rec. (n.s.)2:54-55. Dec.1952. 43.8 Sco3

Feeds and Feeding

34171 ABRAMS, J. T. The phosphorus requirements of dairy cattle. Dairyman 70:9-11. Ref. Jan.1953. 44.8 D1426

34172 AGRAWALA, I. P., DUNCAN, C. W., and HUFFMAN, C. F. A quantitative study of rumen synthesis in the bovine on natural and purified rations. J. Nutr. 49:29-39,41-49. Ref. Jan.10,1953. 389.8 J82

34173 ALLA, C. Economie de lait dans l'alimentatio du veau. Rev. Agr. de l'Afrique du Nord 50:965. Dec.26, 1952. 80 R326

34174 AXELSSON, J. Nutritional physiological problems at the 6th International Livestock Conference 1952. (In Swedish.) Avelsför. f. Svensk Röd och Vit Boskap. Tidskr. 25(4):9-17. 1952. 43.9 Av32
Cattle.

34175 BEESON, W. M., and PERRY, T. W. What is [Purdue] Supplement A? Livestock Wk. 7(8):14-15,34,36 Dec.25,1952. 49 L753
Cattle feed formulas.

34176 BERGSENG, E. Facing another winter of feeding in the barn. (In Norwegian.) Samvirke [Oslo] 47:435-438. Nov.1,1952. 280.28 Sa4
Cattle.

34177 BERGSENG, E. Raising milk cattle. (In Norwegian.) Buskap og Avdratt 4:13-19. 1952. 49 B96
Feeding calves and heifers.

34178 BOEGER. Die winterfütterung der küh Landwirt. Z. der Nord-Rheinprov. 119:1337-1338. Dec. 6,1952. 18 L2344

34179 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Some observations on chopping green alfalfa for feeding beef cattle with comparisons with pasturing, by G. L. Winright and W. Sullivan. Berkeley?1952. 4 p. 275.29 C12En

34180 CHAPMAN, H. L., and KIDDER, R. W. Protein need tested in Glades. Fla. Cattleman 17(5):48,82. Feb. 1953. 43.8 F66

34181 CORRIE, F. E. Feeding farm animals. 65. Feeding dairy cows. Fert. Feed. Stuffs & Farm Supplies J. 39:13-15. Jan.7,1953. 57.8 F413

34182 CORRIE, F. E. Feeding farm animals. 66. Feeding of calves. Fert. Feed. Stuffs & Farm Supplies J. 39:94-95,99-100. Feb.4,1953. 57.8 F413

34183 CURTO, G. Ergebnisse der physiologischen und zootechnischen untersuchungen über die methode Usuelli-Piana zur verwendung von magermilch für die ernährung der kälber. Arch. f. Tierernähr. 2:270-279. Mar./Apr.1952. 389.78 Ar22

34184 DODSWORTH, T. L., and CAMPBELL, W. H. M. Grass silage for beef. Scot. Agr. 32:137-141. Winter 1952/53. 10 Sco82So

34185 DUVALL, R. Creep feeding calves. West. Livestock J. 31(11):43,99. Feb.1953. 6 F2278

34186 ERITSIAN, KH. A. Increasing the productivity of [dairy] cattle on Kalinin Collective Farm [in Berita District, Armenian SSR]. (In Russian.) Sotsialist. Zhivotnovod. 14(10):33-36. Oct.1952. 49 So71
Effect of feeding on milk yields.

34187 FEDTKE. Von der kunst des fütterns unserer milchkühe. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 127. Jan.22,1953. 18 L2346

34188 GEMEINSCHAFT DEUTSCHER KRAFTFUTTER-FABRIKEN. DLG-kraftfuttergemische 1952/53 für rinder und schweine. Hamburg,1953. 20 p. 389.78 G982

34189 GILL, J. B. Steers on grass outyield those fed grain alone. South. Livestock J. 12(8):80. Feb.1953. 43.8 F66A

34190 GORBACHEVA, A. P. Effect of feeding and maintenance of cows on amino acid composition of milk. (In Russian.) Vsesoiuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:267-273. 1950,pub.1951. 44.9 V962

34191 GORDON, G. E., and PELISSIER, C. L. Conditioning dry cows. Brown Swiss B. 31(8):31,65. Feb. 1953. 43.8 B81

34192 GRAF, G. C., and HOLDAWAY, C. W. A comparison of "hard" and commercially softened water in the ration of lactating dairy cows. J. Dairy Sci. 35:998-1000. Dec.1952. 44.8 J822

34193 GREEN, J. L. Silage worthy of greater recognition by dairymen. Hawkesbury Agr. Col. J. 49: 158-160. Oct.31,1952. 276.8 H31

34194 GROTE, R. Fütterungsfragen in den grünlandbetrieben. Landwirtbl. Weser-Ems 99:1293-1294. Dec.20,1952. 18 L2345
Cattle feeding.

34195 HEINRICHS. Vielseitige fütterung—harmonische nährstoffergänzung. Deut. Landwirt.-Gesell. Mitt. 67:992. Dec.25,1952. 18 N39
Cattle.

34196 HIGNETT, S. L., and HIGNETT, P. G. The influence of nutrition on reproductive efficiency in cattle. III. The influence of the vitamin D status on the effect of calcium and phosphorus intake on the fertility of cows and heifers. Vet. Rec. 65:21-24. Jan.10,1953. 41.8 V641

34197 HODGSON, R. E. The cow, grass, and milk. U. S. Bur. Dairy Indus. BDI-Inf-143,15 p. Nov.1952. 1.973 A2H66

34198 HODGSON, R. E. Feeding the modern dairy cow. U. S. Bur. Dairy Indus. BDI-Inf-146,20 p. Jan.1953. 1.973 D4B34

34199 HORSTMANN. Zur verbesserung der fütterung im Emslande. Landwirtbl. Weser-Ems 99:1288-1289. Dec.20,1952. 18 L2345
Cattle.

34200 HUFFMAN, C. F., DEXTER, S. T., and DUNCAN, C. W. Unidentified dietary factors in dairy cattle nutrition. III. The nutritive value of immature alfalfa and timothy hays for milk production. J. Dairy Sci. 35:1001-1009. Ref. Dec.1952. 44.8 J822

34201 IDVALL, S. Increase and make more efficient use of silage! (In Swedish.) Kalmar Läns Norra Hushällsk. Kvrtlskr. 12:87-89. 1952. 11 K12
For dairy cattle.

34202 JACOBSON, N. L., KAFFETZAKIS, J. G., and HOMEYER, P. G. The effect of aureomycin feeding on changes in weight and in body measurements of dairy calves. J. Dairy Sci. 35:1094-1100. Ref. Dec.1952. 44.8 J822

34203 JOHNSON, R. F., RINEHART, E. F., and HICKMAN, C. W. A system of wintering, pasturing and finishing beef calves for Idaho. Idaho. Agr. Expt. Sta. B. 292,12 p. Dec.1952. 100 Id1

34204 KIELANOWSKI, J., and LASSOTA, L. Yeast as a milk substitute for dairy calves. (In Polish.) Rocz. Nauk Roln. 61:47-62. 1952. 20.5 R59
English summary.

34205 KONDYREV, V. E. Obtaining milk with a high vitamin A content. (In Russian.) Vsesoiuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:262-267. 1950,pub.1951. 44.9 V962
Vitamin A in nutrition of cows chiefly.

34206 KOUTS, V. Vitamin A deficiency real problem to many cow herds this year. Nowest. Okla. Cattleman 7(12):7. Jan.1953. 43.8 N812

34207 LALANDE, G. L'engraissement des bouvillons au pâturage, sans moulée. Agriculture [Montreal] 9:286-293. Ref. Summer/Autumn 1952. 7 Ag82

34208 LAZARUS, H. If they don't make milk on grass we sell 'em. N. J. Farm & Gard. 24(2):38-39. Feb.1953. 6 G162

34209 LEGGE, T. East meets West. Farmers Wk. [London] 38(6):59,61. Feb.6,1953. 10 F2226
Hill farm cattle fed on summer grass, transferred to arable farms in winter in Wales.

34210 LESLIE, N., and HOGAN, M. What users think about chopped green alfalfa. West. Dairy J. 9(3): 20-23. Jan.1,1953. 44.8 W524

34211 MCCANN, L. E. Making beef in Nebraska's "Valley of the Nile." Amer. Hereford J. 43(18):36,40,42. Jan.15,1953. 43.8 Am32
Feeding.

34212 MACEDO, J. N. Digestion of feed by cattle. (In Portuguese.) Gado Holandês 16(191):34-35. Nov.1952. 43.8 G112

34213 MCINTOSH, O. L. Spring's calf crop is being made now! Breeder-Stockman 14(9):14,114. Feb.1953. 49 V81
Feeding.

34214 MAINARDI, B. Kombination von vitamin A und jodproteiden für die zwecke der milchproduktion. Arch. f. Tierernähr. 2:265-269. Mar./Apr.1952. 389.78 Ar22

34215 MOORE, L. A. Urea, a protein source—feed with care. Hoard's Dairyman 98:115,133. Feb.10,1953. 44.8 H65

34216 NADAL, R. A. Alimentación y cuido de la vaca lechera. Rev. de Agr. P. R. 43:174-183. Jan./June 1952. 8 R325

34217 NEWELL, P. F. How to figure feed requirements. Livestock Wk. 7(8):18-19,42. Dec.25,1952. 49 L753
For beef cattle.

34218 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. The feeding of dairy cows. North. Ireland. Min. Agr. L. 16,14 p. Dec.1952. 10 N81

34219 OLEJAR, P. D. The cow is a protein factory. Natl. Grange Mon. 50(2):28-29. Feb.1953. 6 N215
Digestive system of the cow and dairy feeding.

34220 PAPENDICK, K. Die fütterung des kalbes in der milchperiode. Landwirt 1953:109-110. 18 L2342

34221 PEIXOTO, A. M. Rations for dairy cattle. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:284-291. Sept./Oct.1952. 9.2 R324

34222 PICKETT, A. G. Deferred feeding system proves its worth in '52. Kans. Stockman 38(4):50. Feb. 1953. 49 K134

34223 POPE, L. S. Cattle get fat here just as well as in the North. Farmer-Stockman 56:8,29. Jan.1953. 6 Ok45
Feeding and fattening cattle in Oklahoma.

34224 ROL, C. Calculation of feed rations. I. (In Dutch.) Landbode 6(45):12. Nov.13,1952. 12 L234
Cattle.

34225 RUCKMAN, J. Results of winter feeding tests at Beeville Experiment Station. Cattleman 39(9):150-151. Feb.1953. 49 C29

34226 SACCO, P. Production of meat and fattening of cattle. (In Italian.) Terra e Sole 124:399-402. Dec. 1952. 16 T273
Italy.

34227 SCHOUBROEK, F. VAN. Influence of feed fat contents on milk and fat production of dairy cattle. (In Flemish.) Vlaams Diergeneesk. Tijdschr. 21:225-231. Ref. Dec.1952. 41.8 V84
English summary.

34228 SMITH, S. E. Welche mineralstoffe benötigt das vieh? Prakt. Landwirt 6:160-162. Dec.1952. 19 P88
Cattle.

34229 STANGEL, W. L. Commercial feeding of calves for junior steer shows. West Tex. Today 33(10): 9. Dec.1952. 286.8 W522

34230 STANLEY, E. B. Supplementing roughage feeds; when necessary, low quality products can be converted into usable forms. Prog. Agr. Ariz. 4(4):5,12. Jan./Mar.1953. 6 P9452
Cattle.

34231 SVANBERG, O., and NORDFELDT, S. On the selection of feed phosphates. (In Swedish.) Ladugårdren 1:18-20. Jan.1953. 44.8 L12
For dairy cattle.

34232 TAMARCHENKO, M. E., and others. Effect of feeding and maintenance of cows on change in fat and protein content in milk. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:107-115. 1950,pub.1951. 44.9 V962
S. B. Finkel', N. I. Tsibizov, and D. S. Lebedev, joint authors.

34233 THIMEL, R. Le calcul de la ration; valeur alimentaire et valeur économique. France. Min. de l'Agr. B. Tech. d'Inform. 75:765-770. Dec.1952. 14 F844B
Dairy cattle.

34234 THOMAS, J. W. Antirachitic activity of some dehydrated alfalfa hays and the effect of adding limestone to the grain ration on the development of rickets in calves. J. Dairy Sci. 35:1107-1116. Ref. Dec.1952. 44.8 J822

34235 THOMAS, S. B., and MCQUILLIN, J. Ropy milk organisms isolated from insectivorous plants. Dairy Indus. 18:40-42. Ref. Jan.1953. 44.8 D1427

34236 THOMPSON, N. R., and others. The utilization of urea by dairy cattle. J. Dairy Sci. 35:1010-1016. Ref. Dec.1952. 44.8 J822
G. C. Graf, J. F. Eheart, and C. W. Holdaway, joint authors.

34237 TURELLE, J. W. Mineral content ruling factor in grazing habits. Nebr. Cattleman 9(5):8,10-11. Jan. 1953. 43.8 N27

34238 UNGELENK. Einfluss der fütterung auf den fettgehalt der milch. Deut. Landwirt.-Gesell. Mitt. 67: 992-994. Dec.25,1952. 18 N39

34239 VOGEL, H. Vollmilchsparende kälberaufzucht nach dem Kodruna-verfahren. Landwirt. Wchnbl. 143:59. Jan.17,1953. 16 L2338

34240 VUYST, A. DE. Production laitière et alimentation. Agricultura [Louvain] 50:89-99. Oct.1952. 13 R32

34241 WHITEHAIR, C. K. Nutritional disturbances in cattle. Sowest. Vet. 6:176-179. Winter 1953. 41.8 So82

34242 WISE, G. H. Calf starters and milk substitutes. Vet. Sci. News 6(4):12-15. Jan.15,1953. 41.8 V6492

34243 ZUPPKE, H. Gesunde kälberaufzucht im weidepferch. Deut. Landwirt. 3:668-669. Dec.1952. 18 D4822

Veterinary Medicine

34244 ADAMS, H. P., and ALLEN, N. N. The effect of removal of residual milk by use of oxytocin upon the yield and fat content of subsequent milkings. J. Dairy Sic. 35:1121-1124. Dec.1952. 44.8 J822

34245 ADAMS, H. P., and ALLEN, N. N. The value of oxytocin for reducing fluctuations in milk and fat yield. J. Dairy Sci. 35:1117-1120. Dec.1952. 44.8 J822

34246 AKASHI, A. Interrelation between bacteria and protozoa in bovine rumen. I. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 12:263-268. Ref. Mar.1952. 107.6 K995B
English summary.

34247 ARNESON, R. E. Anatomical observations on a freemartin. Iowa State Col. Vet. 15:27-28. 1953. 41.8 V6425
A hybrid heifer.

34248 ASCOLI, A. Confirmations and replies on the efficacy of antitubercular vaccination in cattle; present state of the problem. (In Italian.) B. dell'Agr. 86(45): 1-2. Nov.21,1952. 16 B87

34249 BAILEY, J. W. A veterinary handbook for cattlemen. Saint Paul,Webb,1952. 275 p. 41 B152

34250 BAKER, J. A. Diarrhea and pneumonia of calves. Kans. & Mo. Vet. Med. Assoc. Proc. 1952:118-121. 41.9 K133

34251 BAREGGI, G. Bovine tuberculosis on the Lombardy Plain. (In Italian.) B. dell'Agr. 86(48):1-2. Dec.12,1952. 16 B87

34252 BARRY, J. M., and ROWLAND, S. J. Determination of blood serum potassium by an improved sodium cobaltinitrite method. Biochem. J. 53:213-217. Ref. Jan.1953. 382 B52
In cattle.

34253 BEATTIE, H. E. R. Beware of b[ovine] v[enereal] t[richomoniasis]. Inst. Insp. Stock N. S. Wales. Ybk. 1952:75,77-79. 41.9 In73

34254 BENESCH, F. Abnorm frühzeitige, zur gravidität führende brunst bei einer kalbin und bei einer kuh post partum. Wien. Tierärztl. Monatsschr. 39:741-744. Dec.1952. 41.8 T345
English summary.

34255 BILEK, J. Measuring the temperature of the skin of beef cattle in relation to carcass yields. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:393-407. Nov.1952. 19.5 C332C
Comment by A. Karakoz, p. 407-408.

34256 BONDARENKO, G. A. Blood composition in connection with milk production of cows. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:121-131. 1950,pub.1951. 44.9 V962

34257 BONDARENKO, G. A. Changes in the constituent elements of blood in cows during the lactation period in connection with various levels of nutrition. (In Russian.) Zhur. Obshch. Biol. 13:464-478. Ref. Nov./Dec.1952. 442.8 Z6

34258 BORN, J. M. V. D. Tuberculosis control in cattle. (In Dutch.) Ons Friese Platteland 7(300):15. Dec.23,1952. 12 Cn72

34259 BORREL, A. Faut-il vacciner contre les mammites bovines? Sillon Belge 22(535):21. Nov.22, 1952. 13 Si3

34260 BOTTARELLI, F. Prevention and treatment of enzootic diarrhea in calves. (In Italian.) Clin. Vet. 75: 341-346. Ref. Nov.1952. 41.8 C61

34261 BOYTS, H. J. Bruises on slaughtered cows & fat cattle at Sioux City markets. S. Dak. Stockgrower 6 (11):26. Dec.15,1952. 49 So84

34262 BRAEUTIGAM, H. M. Neomycin in the treatment of bovine mastitis. Vet. Med. 48:83. Feb.1953. 41.8 M69

34263 BREECK, L. L. Official regulations governing cattle movement into Kentucky. Ky. Agr. B. 9:4. Jan.1953. 280.38 K41
Quarantine.

34264 BUCY, C. B. Tie-cutting operations on Hereford cattle. Sowest. Vet. 6:157-158. Winter 1953. 41.8 So82

34265 BURNSIDE, J. E. A case of suspected mushroom poisoning in cattle. Ga. Vet. 5:13-14. Jan./Feb. 1953. 41.8 G29

34266 BUSCHNER, F. A., and EASTERBROOKS, H. L. Brucellosis in cattle. Conn. Agr. Col. Ext. Folder 60,8 p. May 1952. 275.29 C76Ex

34267 CALDAS, A. D. Verify for yourself the state of udder health of your cows. (In Portuguese.) Soc. Rur. Bras. Rev. 32(383):26. Dec.1952. 9.2 B733

34268 CHIEFFI, A. Mechanism of "letting down" the milk. (In Portuguese.) Gado Holandês 16(191):27-28. Nov.1952. 43.8 G112

34269 CHINNIAH, G. S. Siamese twins in a buffalo cow. (Abs.) Vet. Med. 48:81. Feb.1953. 41.8 M69

34270 CHRISTODOULOU, T., and TARLATZIS, C. La maladie d'Aujesky en Gréce. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 7:141-146. July/Sept.1952. 41.9 So18
French summary.
Case of a heifer.

34271 CLINTON, D. Best time to dehorn your cattle. Milk Prod. [Houston] 17(12);11,26. Dec.1952. 44.8 M5993

34272 COTTEREAU, P. Contribution à l'étude de l'ossification des vertèbres lombaires du veau. Paris, Foulon,1952. 68 p. 41.2 C824
Thèse - Ecole Nationale Vétérinaire, Alfort.

34273 CRAIG, J. Diseases of dairy cattle; mastitis. West. Austral. Dept. Agr. J. (ser.3)1:695-698. Sept./Oct. 1952. 23 W52J
Treatment, prevention and control.

34274 CRAIG, J. Internal parasites of cattle, a common cause of mortality in the South-West. West. Austral. Dept. Agr. J. (ser.3)1:699-704. Sept./Oct1952. 23 W52J

34275 CRAIGE, A. H. Recent studies on the use of chlor-ethamine in the prevention and treatment of milk fever. Allied Vet. 24:18-20. Jan./Feb.1953. 41.8 AL5
Cattle.

34276 CROSS, R. F. Observations on the bovine hemorrhagic disease caused by trichloroethylene-processed soybean oil meal. Amer. Vet. Med. Assoc. J. 122:103-105. Feb.1953. 41.8 Am3

34277 CUNHA, L. A. DA. Streptococcic mastitis of dairy cattle and its treatment with sodaic penicillin. (In Portuguese.) Granja [Porto Alegre] 8(65/66):85-89. Aug./Sept.1952. 9.2 G76

34278 DERFLINGER, E. R. Johne's disease. West. Live Stock 38(6):17,60. Jan.1953. 49 W523

34279 DHILLON, H. S. A latent case of bovine surra at Mukteswar diagnosed by Ray's M. B. 744 test. Indian Vet. J. 29:242-243. Nov.1952. 41.8 In2

34280 DIETRICH, A. Eine modifikation der abortus-Bang-ringprobe zur feststellung des agglutinationstiters in der milch. Lebensmitteltierarzt 3:101-103. Nov.1952. 41.8 L49

34281 DIMOCK, W. W. Johne's disease: environment and management. II. Control and prevention. Vet. Med. 48:43-47,60. Feb.1953. 41.8 M69
Cattle.

34282 DYE, J. A., and others. The use of cortisone in the treatment of ketosis in dairy cows. Cornell Vet. 43:128-160. Ref. Jan.1953. 41.8 C81
S. J. Roberts, N. Blampied, and M. G. Fincher, joint authors.

34283 EASTERBROOKS, H. L., and PLASTRIDGE, W. N. Vibriosis, its pathogenesis and management. Vet. Med. 48:63-64. Feb.1953. 41.8 M69
Cattle.

34284 EHRLICH, C. Wie steht es mit der tuberkulosebekämpfung in Nordrhein-Westfalen und in den anderen Bundesländern? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:210. Feb.5,1953. 18 L2346
In cattle.

34285 ERB, R. E., and others. Lactation studies. III-IV. J. Dairy Sci. 35:967-987. Dec.1952. 44.8 J822
M. M. Goodwin, R. A. Morrison, and A. O. Shaw, joint authors.
III, Variations in daily yields of dairy cows; IV, Accuracy of different methods of estimating lactation yields.

34286 EWY, Z. Differences in the reaction of various breeds of cattle to nervous and hormonal stimuli. (In Polish.) Rocz. Nauk Roln. 61:111-158. Ref. 1952. 20.5 R59
English summary.
Effect on lactation of Holstein-Friesians and Polish Red cattle.

34287 FRIELING, D. Aspecific reactions, due to skin lesions. (In Dutch.) Tijdschr. v. Diergeneesk. 78:116-121. Feb.1,1953. 41.8 T431
English summary.
Cattle.

34288 FRIESE, H. Contracted teats. (In Danish.) Jydsk Landbr. 34:924. Dec.25,1952. 11 J99

34289 FUJIMOTO, Y., and others. Histo-pathological studies on the bovine haematuria in Menuro, Hokkaido. I-II. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:159-173. Ref. 1952. 107.6 H682
S. Sugano, T. Kobayashi, M. Ohbayashi, and Y. Ohmura, joint authors.
English summary.

34290 GATES, D. W. The technique employed in splenectomy of bovine animals. Amer. Vet. Med. Assoc. J. 122:94-98. Feb.1953. 41.8 Am3

34291 GAZTAMBIDE ARRILLAGA, C. Como determinar los periodos de celo en las vacas. Rev. del Café 8(5):27. Dec.1952. 8 R3295

34292 GEZONDHEIDSDIENST VOOR VEE IN FRIESLAND. 33e jaarverslag 1 mei 1951-30 april 1952. [33d annual report of the Cattle Health Commission in Friesland]. Leeuwarden,1952. 77 p. 41.9 F91

34293 GIELEN, P. Wie sieht die tbc-tilgung bei der praktischen durchführung aus? Deut. Landwirt.-Gesell. Mitt. 67:988-989. Dec.25,1952. 18 N39
In cattle.

34294 GILON, S. Eradication of bovine tuberculosis in the cooperative settlement Hasharon. (In Hebrew.) Refuah Vet. 9:114-116. Oct.1952. 41.8 R25
English summary, p.136-135.

34295 GILS, J. H. J. VAN. Acuut longemphyseem bij het rund, een pathologisch-anatomische studie. Acute pulmonary emphysema in cattle, a pathological anatomical study. Hilversum,Drukkerij de Mercuur,1951. 162 p. Ref. 41.2 G422
Proefschrift-Rijksuniversiteit, Utrecht.
English summary.

34296 GJESTVANG, P. Care of hoofs of cattle. (In Norwegian.) Buskap og Avdratt 4:7-10. (Cont.) 1952. 49 B96

34297 GOOR, S. Occurrence of some infectious diseases in cattle in Palestine. (In Hebrew.) Refuah Vet. 9:107-109. Oct.1952. 41.8 R25
English summary, p.137.

34298 GORBMAN, A., and others. Metabolism of radioiodine by the near-term bovine fetus. Endocrinology 51:546-561. Ref. Dec.1952. 448.8 En2
S. Lissitzky, O. Michel, R. Michel, and J. Roche, joint authors.

34299 GORET. Quelques données récentes sur la peste bovine. Path. Gén. 52:610-612. Nov.1952. 448.8 R326

34300 GOTINK, W. M., and ULSEN, F. W. VAN. Skin lesions in cattle. (In Dutch.) Tijdschr. v. Diergeneesk. 78:103-115. Ref. Feb.1,1953. 41.8 T431
English summary.

34301 GOTZE, R. Aborteinleitung bei zu früh gedeckten jungrindern (gutachten). Fortpflanzung u. Besamung der Haustiere 3:2-4. In Deut. Tierärztl. Wchnschr. 60(1/4). Jan.7,1953. 41.8 D482

34302 GRINER, L. A., and BRACKEN, F. K. Clostridium perfringens (type C) in acute hemorrhagic enteritis of calves. Amer. Vet. Med. Assoc. J. 122:99-102. Feb.1953. 41.8 Am3

34303 GROSJEAN, A. Le problème du lait de consommation. II. Les maladies du bétail laitier. Sillon Belge 22(540):4. Dec.27,1952. 13 Si3

34304 GUSSARSSON, S. Mastitis of cattle and its control. (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn 5:63-65. Oct.1952. 11 Sk1

34305 HAMMOND, D. M., and others. The efficacy of bovoflavin salve in the experimental treatment of trichomoniasis in bulls. Cornell Vet. 43:121-127. Jan.1953. 41.8 C81
P. R. Fitzgerald, W. Binns, and M. L. Miner, joint authors.

34306 HART, G. H. Treatment of bloat. Guernsey Breeders' J. [Peterborough] 87:389,413. Feb.15,1953. 43.8 G93

34307 HASLER, E. Zur frage der beeinflussung der intrakutanen tuberkulinprobe des rindes durch wiederholte impfungen. Monatsh. f. Prakt. Tierheilk. 4:571-576. 1952. 41.8 M74

34308 HESS, E., and RUOSCH, W. Zur diagnostik der mastitis brucellosa. Schweiz. Z. f. Allg. Path. u. Bakt. 15:752-760. Ref. 1952. 448.8 Sch9
English summary.

34309 HOLM, G. C. Keep your herd free of brucellosis. N. Dak. Agr. Col. Ext. C. A-171,4 p.-folder. Jan. 1952. 275.29 N812Sa

34310 HONOLD, H. Krankheiten im rindviehstall. Allgäuer Bauernbl. 21:18. Jan.8,1953. 18 AL53

34311 HUDSPETH, P. K. Terramycin in symptomatalogical virus pneumonia in calves. Sowest. Vet. 6:156. Winter 1953. 41.8 So82

34312 JONES, N. L. C., and JONES, N. S. Gongylonema spp. in the rumen of a cow. Inst. Insp. Stock N. S. Wales. Ybk. 1952:83. 41.9 In73

34313 KALLBRUNNER, H. Können wir die lebensdauer der kühe verlängern? Prakt. Landwirt 6:159-160. Dec.1952. 19 P88

34314 KARNAUSKAS, K. Acetonemia de las vacas. Rev. Nac. de Agr. 46(572):17-19. Dec.1952. 9.4 R32

34315 KARSTEN. Das seuchenhafte verkalben (abortus-Bang). Hannoversche Land- u. Forstwirt. Ztg. 105:1280-1281. Dec.16,1952. 18 H194

34316 KEAST, J. C. Leptospirosis in calves. Inst. Insp. Stock N. S. Wales. Ybk. 1952:81-83. 41.9 In73

34317 KELEN, A. Bovine leptospirosis in Hungary. Acta Vet. 2:289-302. Ref. 1952. 41.8 Ac83

34318 KLUSSENDORF, R. C. The Wisconsin brucellosis eradication program. No. Amer. Vet. 34:97-98. Feb.1953. 41.8 N812
Cattle.

34319 KONOVALOV, V. F. Morphological indicators of red blood in connection with fat content in milk of cows. (In Russian.) Vsesoíuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:132-136. 1950,pub.1951. 44.9 V962

34320 KRÜGER, W. Statistische untersuchungen über den gelben galt des rindes. I. Kieler Milchwirt. Forschber. 4:655-662. 1952. 44.9 K542
English summary.

34321 KUTSAL, A. İlk laktasyonları ile bir inekte hayatı boyunca vermiş olduğu laktasyonlar ortalaması arasındaki münasebetin (korellasyon) hesaplanması ve alınan sonuç. Türk Vet. Hekimleri Dernegi. Dergisi. 22: 389-398. Nov./Dec.1952. 41.9 T84
French summary.
Cattle lactation.

34322 KUTTLER, A. K. Federal-State cooperative tuberculosis eradication project. Washington,U. S. Bur. Anim. Indus.,1952. 4 p. 1.972 A2K96
Presented at meeting of the United States Livestock Sanitary Association on Oct.29-31, at Louisville, Ky.
Bovine tuberculosis.

34323 LAPAIX, P. La mensuration des bovins. Rev. de l'Élevage 8:48-50. Jan.1953. 49 B462

34324 LEGEAR, D. H. Metritis and retained placenta treatment and prevention in cows. Jersey B. 72:174,200-201. Feb.10,1953. 43.8 J48

34325 LENERT, A. A. Vaginal fibroma in a bovine. Sowest. Vet. 6:134-136. Winter 1953. 41.8 So82

34326 LEPOVETSKY, B. C., WEISER, H. H., and DEATHERAGE, F. E. A microbiological study of lymph nodes, bone marrow and muscle tissue obtained from slaughtered cattle. Appl. Microbiol. 1:57-59. Ref. Jan.1953. 448.3 Ap5

34327 LEVI, M. L., and others. Two cases of bovine abortion associated with Erysipelothrix (Listeria) monocytogenes. (In Hebrew.) Refuah Vet. 9:101-104. Oct. 1952. 41.8 R25
A. Shamir, G. Neeman, and T. Nobel, joint authors.
English summary, p.140.

34328 LEVITAN, M. Antibiotics. Creamery Coop. [Los Angeles], Nov./Dec.1952:15-18. 280.28 C86
Use in cattle therapy.

34329 LOFGREEN, G. P., and KLEIBER, M. The metabolic fecal nitrogen excretion of the young calf and the true digestibility of casein. J. Nutr. 49:183-190. Ref. Jan.10,1953. 389.8 J82

34330 LOHNER, J. Ein praktisches beispiel der rinder-tuberkulosebekämpfung. Landwirt. Wchnbl. 143: 36. (Cont.) Jan.10,1953. 18 L2338

34331 MAAS, J. C. A. VAN DER. Application pratique de nouveaux milieux à l'acide pyruvique pour le diagnostic bactériologique de la tuberculose ouverte chez les bovidés. Off. Internatl. des Epiz. B. 37:678-683. Nov./Dec.1952. 41.8 Of2

34332 MCKAY, K. G. Is your irrigated pasture a haven for parasites? West. Dairy J. 9(3):9-10,12. Jan. 1,1953. 44.8 W524
Cattle parasites.

34333 MCKEE, J. W. Bovine tympany. Sowest. Vet. 6:158. Winter 1953. 41.8 So82

34334 MARTINČIC, M. Successes and shortcomings in eradication of tuberculosis and brucellosis of cattle on agricultural estates (AE) of Croatian Peoples Republic. (In Serbo-Croatian.) Stočarstvo 6:370-374. Aug.1952. 43.8 St6

34335 MEAD, S. W. Prevention of bloat in cattle. Guernsey Breeders' J. [Peterborough] 87:387-388. Feb.15,1953. 43.8 G93

34336 MENGES, R. W., and others. Sporadic bovine encephalomyelitis. I-II. Amer. J. Hyg. 57:1-29. Ref. Jan.1953. 449.8 Am3
I, The natural history of the disease in cattle, by R. W. Menges, G. S. Harshfield and H. A. Wenner; II, Studies on the etiology of the disease. Isolation of nine strains of an infectious agent from naturally infected cattle, by H. A. Wenner, G. S. Harshfield, T. W. Chang and R. W. Menges.

34337 MERRIMAN, G. M. Winter dysentery in dairy cattle. Vet. Med. 48:51-52. Feb.1953. 41.8 M69

34338 MIDTBØ, T. Classification of live calves on the basis of the development of the udder. (In Norwegian.) Meieriposten 41:919-923. Dec.13,1952. 44.8 M47

34339 MILLER, N. J. Results of questionnaires on shipping fever complex. Sowest. Vet. 6:144-145. Winter 1953. 41.8 So82
Cattle.

34340 MINAKOV, K. L. Enzootic goiter in calves and its prevention. (In Russian.) Sotsialist. Zhivotnovod. 14(10):93-94. Oct.1952. 49 So71

34341 MIRANDA, W. C. Milk, calves, and diseases. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):46. Nov. 1952. 9.2 B733

34342 MOOSBRUGGER, G. A., SPUHLER, V., and MEYER, K. Zur frage der erniedrigung der blutkatalase beim künstlich mit maul- und klauenseuche-virus infizierten rind. I. Mitteilung über katalase. Schweiz. Z. f. Allg. Path. u. Bakt. 15:673-689. Ref. 1952. 448.8 Sch9
English summary.

34343 MORTIMER, R. G. The farmer and the vet. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8: 10-12. Autumn 1952. 281.9 N842
Veterinary costs for cows and milk yields.

34344 NUSBAUM, S. R. Unusual case of rabies in a Holstein cow. Vet. Med. 48:82. Feb.1953. 41.8 M69

34345 PAL, R. D. Effects of summer on temperatures of buffalo calves. Indian Vet. J. 29:210-222. Nov.1952. 41.8 In2

34346 PALSANEN, E. Removing of horns—without bloodshed. (In Finnish.) Teho 9:414-415. 1952. 20 T98
English summary, p. 450.

34347 PEETERS, G., and MASSART, L. Fat synthesis in the perfused lactating cow's udder. Arch. Internatl. de Pharmdyn. et de Thér. 91:388-398. Ref. 1952. 448.8 Ar226

34348 PIERRE, M., BRUNAUD, M., and BRUNAUD, S. Recherches relatives a un plasma bovin despécifié. Path. Gén. 52:669-683. Nov.1952. 448.8 R326
Includes discussion.

34349 PIERSON, R. E. Shipping fever complex. Sowest. Vet. 6:142-143. Winter 1953. 41.8 So82
Cattle.

34350 PLUMLEE, M. P., and others. Placental transfer and deposition of labeled calcium in the developing bovine fetus. Amer. J. Physiol. 171:678-686. Ref. Dec.1952. 447.8 Am3
S. L. Hansard, C. L. Comar, and W. M. Beeson, joint authors.

34351 RACKOW, H. G. Uber die diagnostik der streptokokkenmastitis und ihre forensische bedeutung. Kieler Milchwirt. Forschber. 4:595-616. Ref. 1952. 44.9 K542
English summary.

34352 RAO, K. N. Tetanus in a bull calf. Indian Vet. J. 29:251-252. Nov.1952. 41.8 In2

34353 RAO, R. R. 'Sulphamezathine' treatment of bovine rinderpest. Indian Vet. J. 29:249-251. Nov.1952. 41.8 In2

34354 RICHTER, F., and RUPP, K. Lebenskraft und zuchttauglichkeit der erstlingskälber. Tierzüchter 5:25-27. Jan.20,1953. 49 T445

34355 RIECK, G. W. Die trichomoniasis des rindes: eine kritische bibliographie des letzten jahrzehnts. Monatsh. f. Prakt. Tierheilk. 4:433-448. (Concl.) Ref. 1952. 41.8 M74

34356 ROCHEREUIL, P. Infection du veau nouveau-né. Paris,Foulon,1952. 50 p. Ref. 41.2 R582
Thèse - École Nationale Vétérinaire, Alfort.

34357 RUPP, R. G. Brucellosis; voluntary, self-pay controls have put South Dakota beef, dairymen on the road to speedy Bangs cleanup. Farmer [St. Paul] Gen. Ed 71(2):8,54. Jan.17,1953. 6 F2211

34358 SAARINEN, P. A preliminary study of the relationships between the blood mineral composition of dairy cows and the milk and milk fat yield simultaneously obtained. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:170-175. 1952. 20 Su7M

34359 SCHIESSLER, P. Die wirkung des chloromycetins bei eutererkrankungen. Milchwiss. Ber. 2:41-59. Ref. 1952. 44.8 M5997

34360 SCHOECHLI, A. Behelfsmässige jungviehställe und tuberkulosesanierung. Grüne 81:72-78. Jan.16,1953. 17 Sch9

34361 SCHÖNIGER, D. Behandlungsversuche bei der lungenwurmseuche des rindes mit Toluol, petroleum und jod-surfen. Hannover,1951. 44 p. Ref. 436 Sch66
Inaug.-Diss. - Tierärztliche Hochschule, Hannover.

34362 SCHULZ, C. W. Necrophorus infection of the udder. Vet. Med. 48:75. Feb.1953. 41.8 M69

34363 SEEKLES, L. The problem of tetany in cattle. (In Dutch.) Tijdschr. v. Diergeneesk. 78:1-23. Ref. Jan. 1,1953. 41.8 T431
English summary.

34364 SEELEMANN. Kampf dem gelben galt! Unser Milchvieh 4(12):2. (Cont.) Dec.1952. 43.8 Un7
Cattle.

34365 SEELEMANN, M. Zur schutzimpfung gegen die rindertuberkulose. Kieler Milchwirt. Forschber. 4: 663-672. Ref. 1952. 44.9 K542
English summary.

34366 SHVABE, A. K. On some factors which influence the change in milk protein quantity. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:164-169. 1950,pub.1951. 44.9 V962
Chiefly on metabolic effect.

34367 SIEGMANN, O. Künstliche scheide mit eingebautem thermometer. Tierärztl. Umschau 8:17-18. Jan. 1953. 41.8 T445

34368 SIMON, J., and SCHMIDT, E. G. Terramycin in the treatment of streptococcic mastitis. Vet. Med. 48: 61-62. Feb.1953. 41.8 M69

34369 SIPPEL, W. L. A new threat to the cattle industry, leptospirosis. Breeder-Stockman 14(9):12,68. Feb.1953. 49 V81

34370 SMITH, R. H. Stilbestrol, milk fever and acetonemia. No. Amer. Vet. 33:701. Oct.1952. 41.8 N812

34371 SPÖRRI, H. Die ersten fälle von sog. Wolff-Parkinson-White-syndrom, einer eigenartigen herzanomalie, bei tieren; (beobachtungen bei 2 rindern). Schweiz. Arch. f. Tierheilk. 95:13-22. Ref. Jan.1953. 41.8 Sch9
English summary.

34372 STAEHLI, J. L'amputation de l'onglon chez les bovins. Schweiz. Arch. f. Tierheilk. 95:22-27. Jan. 1953. 41.8 Sch9
English summary.

34373 STONEBRINK. Recherches sur la culture du Mycobacterium tuberculosis var. bovis. Off. Internatl. des Epiz. B. 37:662-677. Ref. Nov./Dec.1952. 41.8 Of2

34374 TAGLE, E. C. Aprenda a reconocer la preñez en la vaca. Tierra [México] 7:744,780-781. Nov. 1952. 8 T445

34375 TALLARICO, G. Rumen wonders. (In Italian.) Mondo del Latte 11:647-648,651. Nov.1952. 44.8 M74
English summary.
Cattle.

34376 TALSMA, D. Some tests with A.C.T.H. in the treatment of acetonemia of cattle. (In Dutch.) Tijdschr. v. Diergeneesk. 78:122-129. Ref. Feb.1,1953. 41.8 T431
English summary.

34377 TARLATZIS, C. B. Les enterites des veaux nouveau-nés et leur traitement par l'aureomycine. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 7: 162-168. Ref. July/Sept.1952. 41.9 So18
French summary.

34378 TAYLOR, E. L. Husk in adult cattle. Ulster Farmer 6(54):16-17. Aug.1952. 10 UL7

34379 TOTAL therapy for calf scours. Allied Vet. 24:24-26. Jan./Feb.1953. 41.8 AL5

34380 TRAUTWEIN, K. Bekämpfung der rindertuberkulose und stalldesinfektion. Monatsh. f. Prakt. Tierheilk. 4:563-570. 1952. 41.8 M74

34381 ULBRICH, F. Bewährung des Bang-trockenimpfstoffes durch immunitätsprüfung an tragenden färsen. Monatsh. f. Vetmed. 7:467-472. Ref. Dec.1,1952. 41.8 M742

34382 WALTHER, A. Aufgaben im rindergesundheitsdienst. Monatsh. f. Vetmed 7:489-496. Dec.15,1952. 41.8 M742
Chiefly on the control of tuberculosis.

34383 WANNTORP, H. The washing-out of arsenic from wood impregnated with arsenic solely in the form of difficulty soluble salts. (In Swedish.) Nord. Vetmed. 5: 60-72. Jan.1953. 41.8 N813
English summary.
Prevention of cattle poisoning.

34384 WATKINS, W. E., KNOX, J. H., and KOGER, M. Some aspects of growth and maturity of Hereford cattle on a typical southern New Mexico range. (Abs.) Colo.-Wyo. Acad. Sci. J. 4:99. Oct.1952. 500 C717

34385 WAVEREN, G. M. VAN. Contagious abortion in cattle. (In Dutch.) Boer en Tuinder 6(301):6. Nov.15, 1952. 12 B632
Netherlands.

34386 WEINGART, H. Beitrag zur instrumentellen behandlung der schlundverstopfung des rindes; (beschreibung eines schlundinstrumentes und maulgatters). Tierärztl. Umschau 8:8-11. Jan.1953. 41.8 T445

34387 WIECKERT, D. A. Blood types in dairy cattle. Holstein-Friesian World 50:112,202. Jan.17,1953. 43.8 H742

34388 WIERTZ, G. The histological activity of the thyroid gland in newborn calves from different parts of the Netherlands. (In Dutch.) Tijdschr. v. Diergeneesk. 78:74-79. Jan.15,1953. 41.8 T431
English summary.

34389 WIESNER, E. Angeborene kyphosen infolge mineralstoffmangels. Tierzucht 6:401-402. Dec.1952. 49 T443

34390 WRIGHT, N. Diseases of cattle—bovine leptospirosis. Canad. Cattlemen 16:10-11. Jan.1953. 49 C16

34391 WRIGHT, N. Diseases of cattle - some common cattle poisons. Canad. Cattlemen 16(2):10-11. Feb.1953. 49 C16

34392 YALÇIN, N. Notes sur le pissement de sang des bovidés. (In Turkish.) Türk Vet. Hekimleri Dernegi. Dergisi. 22:405-409. Nov./Dec.1952. 41.9 T84
French summary.

34393 ZAKS, M. G. New data on the motor apparatus of the udder. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:150-163. 1950,pub.1951. 44.9 V962
Physiology.

34394 ZALETEL, J. H., ALLEN, R. S., and JACOBSON, N. L. Lipids in blood plasma of young dairy calves. J. Dairy Sci. 35:1046-1052. Ref. Dec.1952. 44.8 J822

34395 ZIEGLER, M. Bemerkung zu der mitteilung von A. Meyn: "Zur frage der ausscheidung von tuberkelbakterien durch das klinisch unveränderte euter tuberkulöser kühe." Monatsh. f. Prakt. Tierheilk. 4:527-528. 1952. 41.8 M74

34396 ZWIJNENBERG, H. A. Skin lesions of cattle and the form of the Besnier-Boeck-Schaumann (B. B. S.) disease in man. (In Dutch.) Vlaams Diergeneesk. Tijdschr. 21:193-215. Ref. Nov.1952. 41.8 V84
English summary.

Miscellaneous

34397 ALVIM, D. DE R. Quality of a good milker. (In Portuguese.) Granja [Porto Alegre] 8(65/66):84. Aug./Sept.1952. 9.2 G76
Sanitation in milking.

34398 ANAGAMA, Y. The influence of low temperature on the production of dairy cows. (In Japanese.) Obihiro. Zootech. U. Res. B. 1(2):37-43. Mar.1952. 513 Ob3
English summary.

34399 BONSMA, J. C. There is gold in green grass. Farmer's Wk. [Bloemfontein] 84:12-13. Jan.7,1953. 24 F225
Dairy farming in New Zealand.

34400 BRATLIE, O. The dairy barn control. (In Norwegian.) Meieriposten 41:936-939. Dec.20,1952. 44.8 M47

34401 BRIQUET, P. Adaptation of European cattle to the Tropics. (In Portuguese.) Granja [Porto Alegre] 8(65/66):50. Aug./Sept.1952. 9.2 G76

34402 CAVE, R. A. Dairy. S. Dak. State Col. Agr. Ext. C. 451,7 p. Mar.1952. 275.29 So85
4-H project guide.

34403 CLAY, J. B. Inconveniente del método tradicional de ordeño. Hacienda 47(12):45-46. Dec.1952. 6 H11

34404 DAVIDOV, R. B., KARSNITSKAIA, M. S., and BURENINA, E. P. Effect of mechanical milking on composition and properties of milk. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:287-295. 1950,pub. 1951. 44.9 V962

34405 DIETRICH, J. P., and MORRIS, J. L. A better way to raise calves. South. Planter 114(2):10,52. Feb. 1953. 6 So89

34406 DOMINGUES, O. Bigger, healthier, more productive cows. (In Portuguese.) Granja [Porto Alegre] 8(65/66):81. Aug./Sept.1952. 9.2 G76
Cleaning.

34407 ELLIOTT, H. G. Better Dairying Competition, 1951-1952. West. Austral. Dept. Agr. J. (ser.3)1:705-709, 711,713,715-717,719,721,723,725,727-731,733,735. Sept./Oct.1952. 23 W52J

34408 ERHART, G. Gesteigerte milchleistungskontrolle—unentbehrlich. Osterr. Milchwirt. 7:339-340. Dec.7,1952. 44.8 Os72

34409 ERHART, G. Milchleistungskontrolle, ein mittel für produktivitätssteigerung. Genossenschaft 2 (23):4-5. Dec.1,1952. 280.28 G283
Austria.

34410 ESCOBAR C., A. Anotaciones sobre crianza de terneros. Soc. Antioqueña de Agr. B. Agr. 387:3527-3531 July 1952. 9.4 So1

34411 FJELKNER, P. A. The interest for beef cattle is stable. (In Swedish.) Lantmannen 37:78,85. Jan.24, 1953. 11 L234

34412 GAZTAMBIDE ARRILLAGA, C. Como producir la leche que necesita en su hogar. Rev. de Agr. P. R. 43:172-173. Jan./June 1952. 8 R325

34413 GAZTAMBIDE ARRILLAGA, C. Efectos de la temperatura ambiental y humedad en la aclimatación del ganado vacuno en el trópico. Rev del Café 8(4):17-18. Nov.1952. 8 R3295

34414 GUNNARSSON, A. Better milking and milk hygiene. (In Swedish.) Ladugården 1:28-29. Jan.1953. 44.8 L12

34415 HAMANN, H. Milchleistungsprüfungen. Bauer 5(39):2-3. Nov.8,1952. 19 B32
Austria.

34416 HASKELL, W. H. Preparation of udders for milking. Holstein-Friesian World 50:212-213. Jan.17, 1953. 43.8 H742

34417 HASKELL, W. H. Preparation of udders for milking. Kans. City Coop. Dairyman 22(11):4. Nov. 1952. 280.28 K13

34418 HERING, G. Ist offenstallhaltung ein fortschritt? Allgäuer Bauernbl. 20:710-711. Dec.18,1952. 18 AL53
For cattle.

34419 HERRICK, J. Beef cattle in Scotland. Massey Agr. Col. Sheepfarming Annu. 15:110-116. Nov.1952. 45.9 M38S
Includes discussion.

34420 HOARD'S Dairyman round table: why we like our milking system. Hoard's Dairyman 98:118-119,125. Feb.10,1953. 44.8 H65

34421 HOW TO raise better calves. Country Gent. 123(2):46-47,122. Feb.1953. 6 C833

34422 HUMMES. Richtiges maschinenmelken. Melkmaschinendienst, p.1-2. In Unser Milchvieh 4(12). Dec.1952. 43.8 Un7

34423 HUTTON, J. B., and WRIGHT, M. A study in dairy farming trends in the Waipa County, 1941-1950. New Zeal. Soc. Anim. Prod. Proc. 12:76-82. 1952. 49.9 N483

34424 ISHIHARA, M. Wagyu [Japanese cow]. Tokyo, Kyōritsu Shuppan K. K.,1952. 381 p. 43 Is3

34425 ITZEROTT, A. G., and BYRNE, P. N. Official herd testing in South Australia; results of the 1951-52 tests. So. Austral. Dept. Agr. J. 56(5,sup.),29 p. Dec. 1952. 23 So84

34426 JOHANSSON, I. From the milking front. (In Swedish.) Mjölkpropagandan 30:10-11. Jan.1953. 44.8 M692

34427 KAJANOJA, P. Cost of milk-recording activity in recording years 1948/49 and 1949/50. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:147-155. 1952. 20 Su7M
English summary.

34428 KHRAMOV, A. S. Ways of increasing the fat content in milk of cattle in Siberia. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:45-60. 1950,pub.1951. 44.9 V962

34429 KLOCKENBURG. Kuhtypenschauen; ein mittel zur förderung der bodenständigen rinderzucht. Kontrollangestellte, p.3. In Unser Milchvieh 4(12). Dec. 1952. 43.8 Un7

34430 KUBITZ. Die entwicklung der rinderzucht in Baden. Bad. Landwirt. Wchnbl. 120:8-10. Jan.3,1953. 18 B142
Historical.

34431 LAUB. Ist das nachmelken von hand nach dem maschinenmelken notwendig? Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 3(7/8):23-25. 1952. 49 B32

34432 LEENDERS, K. S. Hand milking versus mechanical milking. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:476-479. Dec.1952. 12 N383M

34433 LOEFFEL, W. J. Wintering calves; economic factors favor feeder who buys fall cattle and winters on cheap feeds. West. Livestock 38(5):28,34,122. Dec.1952. 49 W523

34434 MARTĬUGIN, D. D. On a case of decreasing the fat content in milk by machine milking. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:295-299. 1950,pub.1951. 44.9 V962

34435 MIKHAĬLOV, V. V. Connection between milk fat and productivity of cows. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:94-98. 1950,pub. 1951. 44.9 V962

34436 MONTERO CASTRO, R. E. El programa de prueba y mejoramiento de hatos lecheros que lleva a cabo el Departamento de Ganaderia del Ministerio de Agricultura e Industrias. Col. de Ingen. Agron. An. 4: 24-27. 1951. 58.9 C82
Costa Rica.

34437 MOORE, N. Reglas del buen ordeño. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(197):21-22. July/Sept.1952. 8 R323

34438 MORRISON, S. R. Planning and operating the small herd. IV. Raising calves without nurse cows. Amer. Hereford J. 43(19):122-123,126,128. Feb.1,1953. 43.8 Am32

34439 MUILWIJK, E. VAN. Dutch cattle raising. VII. (In Dutch.) Nieuwe Veldbode 19:207-208. Dec.4,1952. 12 V542N

34440 MUILWIJK, E. VAN. Dutch cattle raising. IX. (In Dutch.) Nieuwe Veldbode 19:329-330. (Cont.) Jan.22, 1953. 12 V542N

34441 MUIRHEAD, D. B., and ALLDEN, W. G. Beef production investigations at Tantanoola—interim report. So. Austral. Dept. Agr. J. 56:211-219. Dec.1952. 23 So84

34442 ONTARIO. DEPT. OF AGRICULTURE. Dairy husbandry in Ontario. Ontario. Dept. Agr. B. 493,66 p. Dec.1952. 101 On8B

34443 OOSTHUIZEN, C. J. For the Bantu the cattle is the farm and the farm, the cattle. (In Afrikaans.) Landbouweekblad 34(1741):45,47. Nov.26,1952. 24 L232

34444 PEARCE, D. L. Louisiana building for the future of the cattle industry. Gulf Coast Cattleman 18(12): 7-8,10. Feb.1953. 43.8 G95

34445 PEREZ Y PEREZ, F. Cuidados a los terneros y potros recien nacidos. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 18-52H,12 p. Sept.1952. 15 H68

34446 PILSINGER. Interessantes aus Dänemarks milchwirtschaft. Kontrollangestellte, p.2. In Unser Milchvieh 4(12). Dec.1952. 43.8 Un7

34447 REAVES, P. M. Mejoramiento de la cria en las vacas de tambo. Uruguay. Inst. Nac. de Colon. B. 3(34):6. Dec.1952. 282.29 Ur8

34448 REED, H. E. The cattle situation. Calif. Cattleman, Feb.1953:12-16. 43.8 C12

34449 RICH, L. H. Dairy Herd Improvement makes a change. Utah. State Agr. Col. Ext. Fact Sheet 11,4 p. June 1952. 275.29 Ut1F

34450 ROARK, D. B., BECK, G. H., and FRYER, H. C. Differences in milking response under prescribed variations in methods employed to stimulate milk letdown. J. Dairy Sci. 35:1017-1025. Ref. Dec.1952. 44.8 J822

34451 RODON, J. M. Incremento de la secreción láctea. Cult. Mod. 35:369. Oct.1952. 15 C89

34452 ROF CODINA, J. Galicia pecuaria. Cult. Mod. 35:410-413. Nov.1952. 15 C89
Cattle.

34453 SANDERS, D. A. Care of new born dairy calves. Fla. Dairy News 2(8):24. Dec.1952/Jan.1953. 44.8 F66

34454 SANTOS, E. How to organize a dairy herd. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C.C.P.L. 5:325. Nov.1952. 44.8 B634

34455 SCHWIZER, M. Zur rationalisierung der rindviehhaltung. Grüne 81:67-69. Jan.16,1953. 17 Sch9
Switzerland.

34456 SOLOV'EV, A. A. Ways of increasing the milk fat in cows in Vologda Region. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:80-90. 1950,pub. 1951. 44.9 V962

34457 STANDHARTINGER, M. Warum milchleistungsprüfung? Bauer 5(40):4-5. Nov.15,1952. 19 B32
Austria.

34458 STOVIN, G. H. T. More milk from fewer cows with improved health. Farmer [Bridgwater] 7(2):24,44. Winter 1952. 10 F2282

34459 TOLONEN, K. The dairy inspection work in the year 1951/52. (In Swedish.) Ladugården 1:10-14. Jan.1953. 44.8 L12

34460 TOLONEN, K. Halland has the highest amount of butterfat; activities of the dairy herd inspection associations during the year 1951-52. (In Swedish.) Lantmannen 37:82-84. Jan.24,1953. 11 L234

34461 TRENFIELD, J. Take good care of your breeding herd, it's the heart of your business. Tex. Hereford 2(6):1,26,29. Jan.1953. 43.8 T31

34462 VAL'STEN, V. I. Work on increasing the level of dairying on Stalin Collective Farm in Lukhovets District, Moscow Region. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:174-179. 1950,pub.1951. 44.9 V962

34463 VERESHCHAGINA, V. I. Change in fat content of milk. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:170-174. 1950,pub.1951. 44.9 V962

34464 VISHNIAKOV, N. K. Fat content in milk of Tuvinian cattle. (In Russian.) Vsesoîuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:103-107. 1950,pub.1951. 44.9 V962

34465 VITTE, ZH. A. Milk production of cows on the state farms of Latvian SSR. (In Russian.) Sotsialist. Zhivotnovod. 14(10):25-29. Oct.1952. 49 So71

34466 WARD, A. H. The future of [dairy] herd improvement in New Zealand. New Zeal. Soc. Anim. Prod. Proc. 12:49-57. 1952. 49.9 N483

34467 WARNER, E. A. Star making. Aberdeen-Angus J. 34(7):58-59,160,162,164. Feb.1953. 43.8 Ab3
Showing beef cattle.

34468 WATSON, F. E. It took great men to settle the West. Rec. Stockman, Annu. Ed. 64:113,115,116,119,121. Jan.1,1953. 49 D43

34469 WENGER, H. 6. Internationaler Tierzuchtkongress in Kopenhagen 1952. Schweiz. Fleckviehzucht-Verband. Mitt. 5:24-27. Dec.15,1952. 43.9 V584M

34470 WILSON, B. More pounds mean more money. Rec. Stockman, Annu. Ed. 64:55,63. Jan.1,1953. 49 D43

DOGS AND CATS

Breeds and Breeding

34471 ARLINGTON, V. The Kerry Blue Terrier is a fine dog. All-Pets Mag. 24(2):67-68,70. Feb.1953. 48.8 AL5

34472 ASSOCIATION OF MASTERS OF HARRIERS AND BEAGLES. Kennel stud book, 1952. Bishop's Stortford,Eng.,1952. 37 p. 48.9 As7

34473 AUBRY-DUSOULIER, J. Autre appel en faveur du Berger Belge et de la vérité. Chasse, Chiens et Venérie (n.s.)13(11/12):27-29. Dec.1952. 48.8 C43

34474 BAUDOUIN, A. Appel en faveur du chien de Berger Belge. Chasse, Chiens et Venérie (n.s.)13(11/12): 26. Dec.1952. 48.8 C43

34475 BOSE, J. O. Is the Basset hound a hunter? Bloodlines 36:3. Jan./Feb.1953. 48.8 B62

34476 DAVID, H. Report on the Red Setter. Amer. Field 158:638. Dec.6,1952. 410 Am3

34477 DENLINGER, M. G. The complete Saint Bernard. Richmond,1952. 382 p. 48 D41Com

34478 FAWCETT, W. St. Bernards are busy in Tibet. N. Z. Dog World 7(10):6. Nov.1952. 48.8 N48

34479 GRAY, T. The Welsh Corgi. Dog World [Bradford] (n.s.)35:2019. Dec.19,1952. 48.8 D674

34480 HORSWELL, L. A. Cockers set registration pace again. Amer. Kennel Gaz. 70:14-17,20. Jan.1953. 48.8 Am3

34481 JUDE, A. C. Genetics and colour inheritance. All-Pets Mag. 24(1):74,79. Jan.1953. 48.8 AL5
In cat breeding.

34482 JUDE, A. C. Genetics and colour inheritance. All-Pets Mag. 24(2):73,77-78. Feb.1953. 48.8 AL5
Cats.

34483 KAUFFMAN, R. E. The Chihuahua. Chicago, Judy,1952. 158 p. 48 K16

34484 KINGMA. Factors in canine sterility and fertility. (Abs.) Gaines Dog Res. Prog. Winter 1952/53: 1-2. 48.9 D67

34485 NELSON, V. M. Color in Siamese. All-Pets Mag. 24(2):72-73,83. Feb.1953. 48.8 AL5

34486 PARSONS, A. D. The Australian Kelpie sheep dog. Merino Breeders' J. 15:20-21,23. Jan.1953. 45.8 So8

34487 ST. BERNHARDSKLUB. Zuchtbuch XXXII. Nr. 19700-20047, 1952. München,1953. 25 p. 48.9 Sa2

34488 SEXTON, A. Frost Point Siamese [cats]. II. All-Pets Mag. 24:86. Jan.1953. 48.8 AL5

34489 SEŽUN, B. The breed of German short-haired bird dog. (In Slovenian.) Lovec 35:391-394. Nov.1952. 410 L94

34490 SMITH, J. Things I have learned about Abyssinian [cats]. All-Pets Mag. 24:77. Jan.1953. 48.8 AL5

34491 TENENT, R. The Welsh Corgi. All-Pets Mag. 24:68,71. Jan.1953. 48.8 AL5

34492 VERSTEEG, H. Nos chiens: le Griffon-singe ou Affenpinsher. Cour. Hort. 14:688. Dec.1952. 80 C834

34493 WOODS, D. The magnificent Keeshond. All-Pets Mag. 24:68,70. Jan.1953. 48.8 AL5

Feeds and Feeding

34494 CAMPBELL, J. E., and PHILLIPS, P. H. Some problems on feeding fat to dogs. Sowest. Vet. 6: 173-175. Winter 1953. 41.8 So82

34495 GREIG, J. R. The sheep-dog, its management and feeding, a preliminary survey. Brit. Vet. J. 109:14-32. Ref. Jan.1953. 41.8 V643

34496 HEIMAN, V. Animal fat in dog food. Butchers' Advocate 133(3):8-10. Jan.21,1953. 286.85 B97

34497 KREHL. Antibiotics in nutrition. (Abs.) Gaines Dog Res. Prog. Winter 1952/53:3-5. 48.9 D67

34498 LOWRY, R. K. Fat dogs die young. All-Pets Mag. 24(2):67,70-71. Feb.1953. 48.8 AL5

34499 MORRIS, M. L. Prescription diets. 3-5. Topeka,Kans.,Hill Packing,1952. 3 nos. 41.8 P922
Dog nutrition.

34500 PRICE, N. A common sense feeding scheme. All-Pets Mag. 24:74,76. Jan.1953. 48.8 AL5
For cats.

Veterinary Medicine

34501 ANDERSON, W. D., and SCHLOTTHAUER, C. F. Legg-Perthes' disease (coxa plana) in the dog. Amer. Vet. Med. Assoc. J. 122:115-116. Feb.1953. 41.8 Am3

34502 ARCHIBALD, J., and WHITEFORD, R. D. Canine atrophic pancreatitis. Amer. Vet. Med. Assoc. J. 122:119-125. Ref. Feb.1953. 41.8 Am3

34503 AZEVEDO, J. F. DE, VALENTE, J. S., and QUEIROS, J. DE S. New data on leptospirosis in Portugal. (In Portuguese.) Inst. de Med. Trop. An. 8:621-627. Dec.1951. 448.9 L68
English summary.
Dogs.

34504 BANKS, W. C., and LUMB, W. V. Diagnosis and correction of a renal fistula in a dog. No. Amer. Vet. 34:114-117. Feb.1953. 41.8 N812

34505 BLEIER, W., OTTEN, E., and SIEGERT, A. Hämatologisch-serologische untersuchungen an parenteral mit Toxoplasma gondii infizierten hunden. Monatsh. f. Prakt. Tierheilk. 4:458-463. 1952. 41.8 M74

34506 BOGUTH, W., and RIECK, G. W. Papierelektrophoretische untersuchungen von blutserum bei der hyperplastischen endometritis und pyometra der hündin. Berlin. u. Munch. Tierarztl. Wchnschr. 66:3-6. Jan.1953. 41.8 B45

34507 BOHL, E. H., and others. Nocardiosis in the dog. Amer. Vet. Med. Assoc. J. 122:81-85. Ref. Feb. 1953. 41.8 Am3
D. O. Jones, R. L. Farrell, D. M. Chamberlain, C. R. Cole, and L. C. Ferguson, joint authors.

34508 CABASSO, V. J. Canine viruses. II. Infectious canine hepatitis and rabies control. Sowest. Vet. 6:137-141. Ref. Winter 1953. 41.8 So82

34509 CHRISTOPH, H. J. Das neospiran als analeptikum beim hund. Monatsh. f. Vetmed. 7:480. Dec.1,1952. 41.8 M742

34510 DALTON, P. J. Pneumothorax in an Alsatian bitch. Vet. Rec. 65:29. Jan.10,1953. 41.8 V641

34511 DAVIDSON, J. L. Symptomatic and antibiotic treatment of otitis externa in dogs and cats. Sowest. Vet. 6:148-150. Winter 1953. 41.8 So82

34512 DECAMP, C. E. Infectious canine hepatitis. Kans. & Mo. Vet. Med. Assoc. Proc. 1952:111-117. 41.9 K133

34513 FLINT, J. C. Canine distemper-hepatitis complex. Amer. Vet. Med. Assoc. J. 122:110-114. Ref. Feb. 1953. 41.8 Am3

34514 GARCIA, J. G. Epidural anesthesia in felines. J. Small Anim. Med. 1:244-247. Dec.1952. 41.8 J828

34515 GILMOUR, N. J. L. A case of a Sertoli cell tumour in the dog. Veteran 4:44-46. Autumn 1952. 41.8 V6493

34516 GONZALEZ-RINCONES, R. Regulación eléctrica del humor de los perros. Su aplicación en los laboratorios y en la profilaxia de pseudo-rabia canina. Acad. de Cien. Fís. Mat. y Nat. B. 14(45):13. Sept./Dec. 1951. 516 Ac13

34517 HARTHOORN, A. M. The effect of various forms of fluid replacement during circulatory imbalance in the dog. I. Vet. Rec. 65:35-40. Ref. Jan.17,1953. 41.8 V641

34518 HENDERSON, W. Amputation of the rectum of the dog. Vet. Rec. 65:42. Jan.17,1953. 41.8 V641

34519 HINES, M. P. Common infectious diseases. Wildlife N. C. 17:15-16,20. Jan.1953. 279.8 N812
Dogs.

34520 HOSKINS, H. P., ed. Canine surgery, a text and reference work; the work of twenty-nine North American authors. Ed. 3, rev. and enl. Evanston,Ill.,Amer. Vet. P., 1952. 731 p. 41 H79

34521 HOWELL, H. W. Combined nembutal-pentothal anesthesia in the canine. Sowest. Vet. 6:121-123. Winter 1953. 41.8 So82

34522 JACOBS, D. R. Two cases of accessory biliary vesicles in cats—one apparent quadruplex condition. Anat. Rec. 114:627-632. Dec.1952. 447.8 An1

34523 KORKHAUS, R. Zur frage der medikamentösen beeinflussbarkeit akuter und chronischer erkrankungen der harnorgane von hunden, insbesondere bei verwendung von Cystinol. Tierärztl. Umschau 8:18-20. Ref. Jan. 1953. 41.8 T445

34524 LAWSON, D. D., and JARRETT, W. F. H. Mammary carcinoma of the bitch with an unusual clinical syndrome. Veteran 4:32-34. Autumn 1952. 41.8 V6493

34525 LIEGEOIS, F., and DERIVAUX, J. A propos du goitre des jeunes chiens. Ann. de Méd. Vét. 96:427-431. Nov.1952. 41.8 An78

34526 LINDSAY, S. A. Cirrhosis of the liver. No. Amer. Vet. 34:120-121. Feb.1953. 41.8 N812
In a dog.

34527 MCSHERRY, B. J., and SMITH, D. L. T. Hematological changes noted in three dogs experimentally infected with the virus of infectious canine hepatitis. Cornell Vet. 43:104-109. Jan.1953. 41.8 C81

34528 MARQUES, M. F., and LEITÃO, J. L. DA S. Canine piroplasmosis in Portugal. (In Portuguese.) Inst. de Med. Trop. An. 8:167-170. June 1951. 448.9 L68
English summary.

34529 MASON, M. M., and SCHEFLEN, A. M. Senility in dogs. Cornell Vet. 43:10-19. Ref. Jan.1953. 41.8 C81

34530 MENGES, R. W., LARSH, H. W., and HABERMANN, R. T. Canine actinomycosis. Amer. Vet. Med. Assoc. J. 122:73-78. Ref. Feb.1953. 41.8 Am3

34531 MONLUX, W. S. Mastocytoma in a feline, a case report. Sowest. Vet. 6:153-154. Winter 1953. 41.8 So82

34532 NARDI, E., PINTO, F. DE, and PAPA, A. Leishmaniasis in dogs in Foggia. (In Italian.) Zooprofilassi 7:461-465. Ref. Oct.1952. 41.8 Z72

34533 PAATSAMA, S. Ligament injuries in the canine stifle joint. A clinical and experimental study. Vet. Excerpts 12:128-131,133-134. 1952. 41.8 V6419

34534 PICKETT, D. Curare in small animal practice. Kans. & Mo. Vet. Med. Assoc. Proc. 1952:101-110. 41.9 K133
Chiefly used on dogs.
Includes discussion.

34535 PICKETT, D. Tonsillitis in the dog. Vet. Med. 48:65-69. Ref. Feb.1953. 41.8 M69

34536 RAO, B. S. P., and RAO, M. K. Aureomycin in canine practice. Indian Vet. J. 29:252-255. Nov.1952. 41.8 In2

34537 RAO, T. R. Surra in dogs. Indian Vet. J. 29: 247-249. Nov.1952. 41.8 In2

34538 ROBERTS, S. R. The conjunctival flap operation in small animals. Amer. Vet. Med. Assoc. J. 122:86-90. Feb.1953. 41.8 Am3
Dog or cat.

34539 ROMAGNOLI, A. A comparative study of blood pressure measurements in dogs. Cornell Vet. 43: 161-174. Ref. Jan.1953. 41.8 C81

34540 SALES. Diseases of the canine skin. (Abs.) Gaines Dog Res. Prog. Winter 1952/53:6-7. 48.9 D67

34541 SCHEIDY, S. F. Familial cerebellar hypoplasia in cats. No. Amer. Vet. 34:118-119. Feb.1953. 41.8 N812

34542 SEWELL, R. L. Good health depends on [bone] structure & teeth. N. Z. Dog World 7(10):8-10. Nov. 1952. 48.8 N48

34543 SMITH, H. A. Herniation of the spleen. No. Amer. Vet. 34:113. Feb.1953. 41.8 N812
Cat surgery.

34544 SOLDNER, P. A. Clinical management of some endocrine disorders of the dog. Sowest. Vet. 6:159-161. Winter 1953. 41.8 So82

34545 STAMM, G. W. Dog owner's veterinary guide. Evanston,Ill.,1952. 112 p. 41 St29D

34546 STUNZI, H., and POPPENSIEK, G. C. Zur pathogenese der hepatitis contagiosa canis. I. Perakute und akute krankheitsstadien. Schweiz. Z. f. Allg. Path. u. Bakt. 15:722-734. 1952. 448.8 Sch9
English summary.

34547 VAIDYANATHAN, S. N. Spirocerca lupi infection in dogs; a few cases treated with hetrazan (Lederle). Indian Vet. J. 29:244-247. Nov.1952. 41.8 In2

34548 VIGUE, R. F. Influence of protein on the milk fever complex: a four year study. III. Eclampsia (puerperal tetany). Vet. Med. 48:70-71,74. Ref. Feb.1953 41.8 M69
Dogs.

34549 WIKTOR, T. J. Premier cas d'hépatite contagieuse du chien (maladie de Rubarth) observé au Congo Belge. Ann. de Méd. Vét. 96:432-434. Ref. Nov.1952. 41.8 An78

34550 WITTER. Uses of a blood bank. (Abs.) Gaines Dog Res. Prog. Winter 1952/53:6. 48.9 D67

34551 YOUNG, W. A. Feline restraint and medication. 4. J. Small Anim. Med. 1:248-254. Dec.1952. 41.8 J828

Miscellaneous

34552 BARTON, A. Why a dog wags its tail. J. Small Anim. Med. 1:273-275. Dec.1952. 41.8 J828

34553 BRION, A. Les chiens errants et les dommages aux animaux. Rev. de l'Élevage 8:56-57. Jan. 1953. 49 B462
Legislation in France.

34554 CUADRADO MARTINEZ, J. Perros de pastor. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 13-52H,12 p. July 1952. 15 H68

34555 GOODALL, C. S. Some psychological aspects of Spaniel training. Amer. Field 158:636-637. Dec.6, 1952. 410 Am3

34556 HEROLD, F. Do you feel that dogs can think? Amer. Kennel Gaz. 70:10-11,20,95-96. Jan.1953. 48.8 Am3

34557 HOFFSTETTER, R. Sobre los perros americanos prehispánicos. B. de Inform. Cient. Nac. 5:102-136. Ref. June/July 1952. 475 B633

34558 MINNS, J. W. Let's apply common sense to obedience. Pure-Bred Dogs Amer. Kennel Gaz. 70(2):10-11,83. Feb.1953. 48.8 Am3

34559 MONTEIRO, M. "Vade mecum" of dog raising. III. (In Portuguese.) Fauna [São Paulo] 11(10):43-47. Oct.1952. 410 F272

34560 PALMER, G. F. Feeling his way. N. Z. Dog World 7(11):3. Dec.1952. 48.8 N48
Training bird dogs.

34561 PALMER, G. F. One quality above all others—a good nose is one of the major requirements in any hunting dog. N. Z. Dog World 7(10):4-5. Nov.1952. 48.8 N48

34562 PALMER, G. F. What constitutes a gundog? N. Z. Dog World 7(9):2-3. Oct.1952. 48.8 N48

34563 RICKETTS, V. L. Welcoming the new puppy. All-Pets Mag. 24:69-73. Jan.1953. 48.8 AL5

34564 RILEY, W. A. Choosing and managing a dog. Farmer [Bridgwater] 7(2):41. Winter 1952. 10 F2282

34565 SCHACHT, H. Obedience for dog and master. New York,McKay,1952. 215 p. 48 Sch12

34566 SIX, J. Etude sur la façon de dresser un chien pour la defense ou le pistage, mener un aveugle, garder un troupeau. Chasse, Chiens et Venérie (n.s.)13(11/12): 21-22. (Cont.) Dec.1952. 48.8 C43

FUR ANIMALS - PEN RAISED

Breeds and Breeding

34567 BREEDING methods, report of a survey of breeding practices on twenty-seven mink farms. Amer. Fur Breeder 26(2):10-11,32. Feb.1953. 410 Am33

34568 CASTLE, W. E. What to expect in chinchilla mutations. Amer. Fur Breeder 26(2):14-15,46. Feb. 1953. 410 Am33

34569 DAVIDSON, J. L. Reproduction in mink and fox, with special references to the use of hormone treatment. Sowest. Vet. 6:162-164. Winter 1953. 41.8 So82

34570 ENDERS, R. K. Reproduction in the mink (Mustela vison). Amer. Philos. Soc. Ybk. 96:691-755. Ref. Dec.1952. 500 P533

34571 FØLEIDE, L. Shorthaired Blue fox. (In Norwegian.) Norsk Pelsdyrbl. 26:430-432. Dec.5,1952. 412.628 N812

34572 FORSINGDAL, BRDR. Sapphire—antibiotics. (In Danish.) Dansk Pelsdyravl 15:346,356-357. Dec.3, 1952. 412.628 D23
Breeding and feeding.

34573 GOTHIER, F. How to select breeding stock. Black Fox Mag. & Mod. Mink Breeder 36(9):12,33-34. Jan.1953. 410 B56
Minks.

34574 HARTSOUGH, G. R. Practical mink mating methods. Natl. Fur News 25:14,34-35. Feb.1953. 412.628 R59

34575 LOEN, J. Inheritance of the silver by the Silver fox. (In Norwegian.) Norsk Pelsdyrbl. 26:444-445. Dec.20,1952. 412.628 N812

34576 STARKOV, I. D. Effect of age and litter size of polar vixens, vixens, minks and sables on fertility of their offspring. (In Russian.) Zhur. Obshch. Biol. 13: 455-463. Nov./Dec.1952. 442.8 Z6

34577 STEPHENS, F. E. Genetics in your breeding program. Natl. Fur News 25:18-19. Feb.1953. 412.628 R59
Minks.

34578 STURGEON, A. Large mink, large litters. Black Fox Mag. & Mod. Mink Breeder 36(9):17,33. Jan. 1953. 410 B56

Feeds and Feeding

34579 GOLDKUHL, A. Feeding problems of current interest. (In Swedish.) Våra Pälsdjur 23:303-305. Dec. 1,1952. 410 V42
Fur animals.

34580 HØIE, J. Antibiotics in the feed of fur animals. (In Norwegian.) Norsk Pelsdyrbl. 27:10-12. Jan.5,1953. 412.628 N812

34581 JARL, F., and NORDFELDT, S. Experiences in feeding hog hoof meal to fur animals. (In Swedish.) Vara Pälsdjur 23:260-265. Oct.15,1952. 410 V42

34582 KRATOCHVÍL, J. La nourriture et les races du Putorius putorius L. (In Czech.) Brunn. Vysoká Sk. Zemedel. a Lesn. Sborn. 1:43-60. 1952. 105.92 B833
French summary.

34583 LUTHER, H. G. Terramycin & vitamin B12 in mink ration. Fur J. 18(10):5-6,8. Ref. July/Aug.1952. 412.628 F969

34584 ROBERTS, W. L. Antibiotics, a discussion of their value as a mink feed supplement. Fur Canada 18(3): 3. Dec.1952. 412.628 F968

34585 SCHNEIDER, O. W. I feed and water my mink in one operation. Black Fox Mag. & Mod. Mink Breeder 36(9):15,31. Jan.1953. 410 B56

34586 WATT, P. R. Mink nutrition research. Progress report. 2. Fur J. 18(10):8-10. July/Aug.1952. 412.628 F969

Veterinary Medicine

34587 CABASSO, V. J., STEBBINS, M. R., and COX, H. R. Active immunization of ferrets by simultaneous injections of avianized canine distemper vaccine and anti-canine distemper hyperimmune serum. Cornell Vet. 43: 179-183. Jan.1953. 41.8 C81

34588 DALGAARD-MIKKELSEN, S., and others. Studies on "yellow fat" in mink. (In Danish.) Nord. Vetmed. 5:79-97. Jan.1953. 41.8 N813
S. A. Kvorning, H. C. Momberg-Jørgensen, F. H. Petersen, and P. Schambye, joint authors.
English summary.

34589 GORHAM, J. R. Diagnosis of distemper in mink. Fur Canada 18(2,i.e.13):26. Nov.1952. 412.628 F968

34590 HURD, R. Asteromycosis in chinchillas. Fur Trade J. Canada 30(5):16-17, 20-22. Jan.1953. 410 F965

34591 MOMBERG-JØRGENSEN, H. C. Botulism of mink. (In Danish.) Dansk Pelsdyravl 15:352-353. Dec.3, 1952. 412.628 D23

34592 MOMBERG-JØRGENSEN, H. C. Health conditions among fur animals in 1952. (In Danish.) Dansk Pelsdyravl 16:33-34. Jan.1,1953. 412.628 D23

34593 SHALKOP, W. T. Case report of unverified lymphocytic choriomeningitis in a chinchilla. Vet. Med. 48:79-80. Feb.1953. 41.8 M69

Miscellaneous

34594 GOTHIER, F. C. Looking back and forward. Fur Canada 18(2,i.e.13):5-6. Nov.1952. 412.628 F968

34595 HANSEN, H. T., and LUND, A. Sorting and judging of mink. (In Danish.) Dansk Pelsdyravl 16:35-38. Jan.1,1953. 412.628 D23

34596 KOKOLSKY, J. State of the nation in fur ranching. Fur Canada 18(3):14. Dec.1952. 412.628 F968

34597 LUND, T. Proposal for a new field and road protection law with important rules for fur farming. (In Danish.) Dansk Pelsdyravl 16:16-18. Jan.1,1953. 412.628 D23

34598 SCHNEIDER, O. W. Mechanized minkeries. Amer. Fur Breeder 26(2):12-13. Feb.1953. 410 Am33

34599 SCHWAB, G. R. Towards a better inspection system. Fur Trade J. Canada 30(5):18-20. Jan.1953. 410 F965
Of chinchillas.

34600 STEVENSON, J. H. F. A short review of British fur farming. Fur Trade J. Canada 30(5):10-11,22-23. Jan.1953. 410 F965

34601 STURGEON, A. The year-round ranching methods necessary to produce large and prolific mink. Fur Canada 18(2,i.e.13):4. Nov.1952. 412.628 F968

34602 VAN METER, L. Composite cage. Natl. Chinchilla Breeder 8(12):15,43-44. Feb.1953. 412.628 N21

34603 WALTON, C. K. Rise and fall of the Silver Fox industry. Fur-Fish-Game 48(2):44-45. Feb.1953. 410 F962

34604 WASSERTHAL-ZUCCARI, E. VON. The feed shortage as an argument. (In Swedish.) Våra Pälsdjur 23:305-307. Dec.1,1952. 410 V42
Mink farming in Sweden.

HORSES AND MULES

Breeds and Breeding

34605 AEHNELT, E. Zur samenübertragung beim pferd. Fortpflanzung u. Besamung der Haustiere 2:92-94; 3:4-6. (Concl.) Dec.15,1952,Jan.7,1953. 41.8 F773

34606 BENČEVIĆ, Z. An analysis of the work on selection of domestic raising of horses of Lipitsa and Nonius breeds in Slavonia. (In Serbo-Croatian.) Stočarstvo 6:350-360. Aug.1952. 43.8 St6

34607 BONGARDT. Die volkseigenen güter führend in der hengstaufzucht. Tierzucht 6:427-428. Dec.1952. 49 T443

34608 GRÜTER. Krise in der pferdezucht? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:209-210. Feb. 5,1953. 18 L2346

34609 HALL, C. C. Irish bloodstock. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:13,15,17,19-21. 1951/52. 10.5 An7

34610 HARTWIG, W. Zentrale leistungsprüfung von junghengsten. Tierzucht 6:428-431. Dec.1952. 49 T443

34611 KELLY, E. V. Brood mare practice. Irish Vet. J. 7:16-19. Jan.1953. 41.8 Ir4

34612 MCGEE, W. R. Veterinary notes for the Standardbred breeder. Hoof Beats 20(12):6-15. (Cont.) Feb.1953. 42.8 H76

34613 NEUSCHULZ, H. Leistungsprinzip in der pferdezucht. Tierzucht 6:415-420. Dec.1952. 49 T443

34614 NORWAY. STATENS STAMBOKKONTOR FOR HEST. Stambok over Dølehest hopper Nr. 18386-19277, født 1930-1942 [Stud book of Dølehest. Mares, No. 18386-19277. Born 1930-1942], volume 34. Oslo,1952. 355 p. 43.9 N83

34615 PECKINPAH, R. L. Appaloosa ancient history. Horse Lover's Mag. 17(4):26-29. Dec.1952/Jan.1953. 42.8 H7852

34616 REUSS, PRINZ. 1952—ein für die kleinpferdezucht bedeutungsvolles jahr. Hess. Pferdezuchter 5:6. Jan.1953. 42.8 H46

34617 SCHAUS, R. Finley Quarter Horses, they run, work and show. West. Livestock J. 31(11):131,133. Feb. 1953. 6 F2278

34618 STAMBOK för hästar av finsk ras hingstar, band XVI, del I. År 1947 i stambok inregistrerade hingstar av arbetshästtyp, N:o 4694-4939. Del II. År 1947 i stambok inregistrerade hingstar av universalhästtyp, N:o 814-854 [Stud book for horses of Finnish breed. Stallions, volume XVI, part I. Stallions of the draft horse type registered in the stud book year 1947. No. 4693-4929. Part II. Stallions of the universal horse type registered in the stud book year 1947, No. 814-854]. Helsinki,1952. 107 p. 42.9 St23

34619 STEELE, D. G. The elements of genetics. Amer. Horseman-Sportologue 2(2):17,38-39,43. Feb. 1953. 42.8 Am39

34620 TWEED, E. The Arabian horse. Ariz. Cattlelog 8(4):39-41. Dec.1952. 43.8 Ar42

34621 VOLKMANN. Die bewertung der typmässigen und morphologischen ausgeglichenheit in der pferdezucht. Tierzüchter 5:27-30. Jan.20,1953. 49 T445

Feeds and Feeding

34622 HARTWIG, W. Zeitgemässe fragen der pferdefütterung. Tierzucht 6:353-357. Oct.1952. 49 T443

34623 PRESTHEGGE, K. Proposed changes in the N. J. F.'s standard for feed intake of young horses on pasture. (In Norwegian.) Nord. Jordbrforsk. 34:93-98. 1952. 11 N752

34624 THOMAS, W. E. Nutrition as it affects breeding. Blood-Horse 65:150,152. Jan.17,1953. 42.8 T392

Veterinary Medicine

34625 ANLIOT, E. Studies on pressure resistance and hardness of the shin-bone in relation to its thickness in Belgian horses. (In Swedish.) Nord. Vetmed. 5:33-59. Ref. Jan.1953. 41.8 N813
English summary.

34626 BRITTON, J. W. Foaling the mare. Horse Lover's Mag. 17(4):42-43,66. Dec.1952/Jan.1953. 42.8 H7852

34627 CHRISTOPHOROU, D. Cas de guérison de fracture de la machoire inférieure chez le mulet. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 7: 153-156. July/Sept.1952. 41.9 So18

34628 DIETRICH, E. DE, and ARBOULAT, G. Prolapsus rectal compliqué d'auto-mutilation. Rev. Vét. Mil. 7:240-243. 1952. 41.8 R3295
Case of a horse.

34629 DOLL, E. R. Evidence of the production of an anti-isoantibody by foals affected by hemolytic icterus. Cornell Vet. 43:44-51. Jan.1953. 41.8 C81

34630 DOLL, E. R. Intrauterine and intrafetal inoculations with equine abortion virus in pregnant mares. Cornell Vet. 43:112-121. Jan.1953. 41.8 C81

34631 DOLL, E. R., and HULL, F. E. Virus abortion research. Thoroughbred Calif. 16:164,194-195. (Cont.) Feb.1953. 42.8 T393
Equine.

34632 DRUDGE, J. H. The treatment of horses for ascarids and strongyles. Blood-Horse 65:464-465,468, 470. Feb.21,1953. 42.8 T392

34633 DYKSTRA, L. A., and RICKARDS, D. A. A clinical report on anavenol (an ascending type of equine anesthetic). Amer. Vet. Med. Assoc. J. 122:91-92. Feb. 1953. 41.8 Am3

34634 ERRINGTON, B. J. Sleeping sickness. Thoroughbred Calif. 16:144,192. Feb.1953. 42.8 T393
Of horse.

34635 FISCHER, S. Beitrag zu den allergischen erkrankungen des pferdes. (Sum.) Tierärztl. Umschau 8: 24-25. Jan.1953. 41.8 T445

34636 GYARMATI, E. La liquor-diagnose de la dourine. Acta Vet. 2:251-257. 1952. 41.8 Ac83

34637 KEMENES, F., and TAMÁS, L. Ist die fibrinöse iridozyklitis der pferde eine leptospirose? Acta Vet. 2:327-336. 1952. 41.8 Ac83

34638 LUBKE, A. Uber die virusanämie des pferdes; beitrag zur verbreitung in Südwürttemberg-Hohenzollern und zur pathogenese. Monatsh. f. Prakt. Tierheilk. 4: 541-551. Ref. 1952. 41.8 M74

34639 MCGEE, W. R. The basic principles of wound treatment. Blood-Horse 65:314-317,338. Feb.7,1953. 42.8 T392

34640 MÜLLER, L. F. Aus der praxis der kolikdiagnostik und -therapie. Monatsh. f. Vetmed 7:496-500. Ref. Dec.15,1952. 41.8 M742
Of horses.

34641 NUSSHAG, W. Über einen fall von rotz. Monatsh. f. Vetmed 7:503. Dec.15,1952. 41.8 M742
Horses.

34642 PALYUSIK, M. Uber die brauchbarkeit der intradermalen malleinprobe zur erkennung der rotzinfektion. Acta Vet. 2:235-249. 1952. 41.8 Ac83

34643 ROBERTS, S. J. Leptospirosis in horses: is it the cause of periodic ophthalmia? Blood-Horse 65:408, 409. Feb.14,1953. 42.8 T392

34644 SAUNIE, L., AUTHEVILLE, P. D'. and PROTON, R. Les suites d'une névrectomie métacarpienne double chez un cheval de selle. Rev. Vét. Mil. 7: 235-239. 1952. 41.8 R3295

34645 SCHOUPPE, K. VON. Die kastration von hengsten mit nur einem langen skrotalschnitt in der raphe und resektion des septum scroti. Berlin. u. Münch. Tierärztl. Wchnschr. 66:22-23. Jan.15,1953. 41.8 B45

34646 STECK, W. Studien über die infektiöse anämie der pferde. VIII. Beobachtungen über den ablauf einer enzootie. Schweiz. Arch. f. Tierheilk. 95:1-13. Ref. Jan.1953. 41.8 Sch9
English summary.

34647 TUFVESSON, G. Studier över hästens ospecifika bakbenslymfangit [Studies on the non-specific hind leg lymphangitis of the horse]. Stockholm,1952. 16 p. 41 T812

34648 VITUMS, A., and KAINER, R. A. A partial situs inversus of the large intestine of a horse. Cornell Vet. 43:20-28. Jan.1953. 41.8 C81

34649 WILKINSON, G. T. The pathology of navicular disease. I. Brit. Vet. J. 109:38-42. Jan.1953. 41.8 V643

Miscellaneous

34650 BROEKHUYZEN, A. VAN. Trends in European draft horse raising. (In Dutch.) Nieuwe Veldbode 19:272-273. Dec.24/31,1952. 12 V542N

34651 CASTRO, R. DE. Influencia del medio ambiente tropical en la crianza del ganado equino. Cuba Ganad. 13(4):17-25. Dec.1952. 49 C89

34652 DAVIS, R. Train your own roping horse. West. Horseman 18(2):8-9,32. Feb.1953. 42.8 W522

34653 FALK, G. The saddle horse on the modern farm. Farmer's Wk. [Bloemfontein] 84:31,33. Jan.7, 1953. 24 F225

34654 HUISMAN, T. H. Review of the 20th national draft horse exhibition. (In Dutch.) Nieuwe Veldbode 19: 179-183. Nov.27,1952. 12 V542N
Netherlands.

34655 KOVALENKO, A. F. Raising foals by the controlled method of rearing. (In Russian.) Umanskii Sel'skokhoz. Inst. Sborn. Studencheskikh Nauch.-Issled. Rabot 1:83-92. 1951. 106 Um1

34656 MAGNANI, G. The spreading in Venezie of speedy heavy draft horses. (In Italian.) Agr. delle Venezie 6:581-589. Dec.1952. 16 Ag826

34657 PETZOLD. Die bewährungsprobe des pferdes. Hess. Pferdezuchter 5:2. Jan.1953. 42.8 H46
Draft horses.

34658 REUSS, H. I. P. Die rauhe aufzucht der fohlen. Hess. Pferdezuchter 4:83. Nov.1952. 42.8 H46

34659 ROXBY, D. The horse that caused a war. West. Horseman 18(2):16,46. Feb.1953. 42.8 W522
Ancient China.

34660 RUDOFSKY, H. Über das training der fohlen. Hess. Pferdezuchter 4:83-84. Nov.1952. 42.8 H46

34661 SCOTT, I. Christmas customs relating to the horse. Horse Lover's Mag. 17(4):34-35,66. Dec.1952/Jan.1953. 42.8 H7852

34662 WARDEN, M. L. Sex preferences in types of horses. Amer. Horseman-Sportologue 2:8-9,56-57. Jan. 1953. 42.8 Am39

34663 YOUNG, J. R. Head-tossers and rearers. II. West. Horseman 18(2):23,35-38. Feb.1953. 42.8 W522

LABORATORY ANIMALS, SMALL

Breeds and Breeding

34664 CRAIG, V. W. No long tails. Calif. Rabbits Mag. 16(7):10,18. Feb.1953. 40.28 Sa5
Guinea pigs, chiefly breeding.

Veterinary Medicine

34665 PIGOURY, L., and others. Une première irradiation totale par rayons X détermine-t-elle, chez le cobaye, une radio-résistance ou une radio-sensibilité? Rev. Vét. Mil. 7:217-234. 1952. 41.8 R3295
P. Nizza, J. Charny, and C. Michel, joint authors.

34666 REAGAN, R. L., and others. Early appearance of rabies virus in the brain of hamsters exposed by rectal instillation. Cornell Vet. 43:100-103. Jan.1953. 41.8 C81
W. C. Day, F. M. Sansone, and A. L. Brueckner, joint authors.

Miscellaneous

34667 NABHOLZ, A., and BEGLINGER, F. Erfahrungen bei der verwendung des syrischen goldhamsters für die tuberkulosediagnostik. Schweiz. Arch. f. Tierheilk. 95:28-32. Jan.1953. 41.8 Sch9
English summary.

34668 SODERBERG, P. M. Cavy history. All-Pets Mag. 24:104-106. Jan.1953. 48.8 AL5

POULTRY

Breeds and Breeding

34669 AMICH GALI, J. Sobre la gallina de tipo mediterráneo. Avicult. Téc. 5:138-139. Nov.1952. 47.8 Av57

34670 BRONNIMANN, H. Antrag für einen einheitsstandard der weissen Leghorn zu handen der Internationalen Vereinigung für Geflügelzucht. Geflügelhof 15: 820-821. Dec.19,1952. 47.8 G276

34671 BUCHWALD, H. Die wirtschaftliche bedeutung der genossenschaftlichen aufzuchtstationen. Württemb. Wchnbl. f. Landwirt. 119:996-997. Nov.1,1952. 18 W96
Poultry.

34672 CARTANYA ALEU, P. Los híbridos-su importancia—la Legrod. Reus Avíc. 1:125-126. Oct.1, 1952. 47.8 R31

34673 COSTA, B. L. DA, and FERREIRA, D. C. Contribution to the study for selection of laying hens in production on an industrial scale. (In Portuguese.) Agronomia [Rio de Janeiro] 11:59-71. Ref. Jan./Mar. 1952. 9.2 Ag892

34674 DUZÈS, S. Qualités et aptitudes d'un bon coq reproducteur. Rustica 25:1203, 1205. Dec.21,1952. 14 R92

34675 ELLIS, W. Now the Hampbar. N. H. Breeder & Broiler Grower 16:10-11,27. Jan.1953. 47.8 N45

34676 FRITZSCHE, K. Ist die zucht auf leukose-Marek-resistente stämme möglich und zweckmässig? Deut. Wirtgeflügelzucht. 5:161. Dec.27,1952. 47.8 D483
Poultry.

34677 GARNETT, A. V. Colour inheritance in the Modena. Fur & Feather 116:76. Jan.29,1953. 49 F96

34678 GERICKE, A. M. Origin of the Cornish or Indian Game. S. A. P. A. Poultry B. 17(183):15,19. Dec. 1952. 47.8 So89

34679 GUHL, A. M. Males differ in ability to breed. Amer. Poultry J. 84:32,63. Jan.1953. 47.8 Am32

34680 HALE, M. Looking for the "superior" males. Poultry World 92:87. Jan.22,1953. 47.8 P8682

34681 HALE, M. "Streamlined" pedigree charts. Poultry World 92:114. Jan.29,1953. 47.8 P8682

34682 HALE, M. Too many breeds of turkey. Poultry World 92:140. Feb.5,1953. 47.8 P8682

34683 HATHAWAY, H. E. Comparing processing yields of various broiler strains. Soeast. Poultryman 6 (1):39,113-115. Jan.1953. 47.8 So872

34684 HEINTZ, J. Die Barnevelder; was man im jahre 1929 schrieb. Geflügelhof 16:38-40. Jan.23,1953. 47.8 G276

34685 HILGER, R. Hessenkröpfer empfehlen sich. Deut. Kleintier-Züchter. Ausg. Geflügel 7(21):6-7. Nov. 5,1952. 47.8 D484

34686 HILL, A. T. The National Poultry Breeding Program. Is it serving the industry? How widely have its benefits spread? Canad. Poultry Rev. 77(2):27-31. Feb. 1953. 47.8 C16

34687 JULL, M. Factors which aid in better fertility. N. H. Breeder & Broiler Grower 16:32. Jan.1953. 47.8 N45

34688 KHORN, A., GERENCHER, V., and TOT, G. SH. A highly productive hybrid duck. (In Russian.) Acta Agron. [Budapest] 2:131-148. 1952. 19 Ac8
English summary.

34689 KRUEGER, W. F. The heritability of total egg production, its components and body weight, and their genetic and environmental relationships, in the domestic fowl. Mich. U. Diss. Abs. 12:761-762. 1952. 241.8 M58

34690 LALL, H. K. Poultry development in Meerut Circle. Indian Farming (n.s.)2(9):26-28. Dec.1952. 22 In283
Improving the desi strain of poultry.

34691 LIVET, L. Que penser des croisements? Paysan Franç. 28(419):8. Nov.1952. 14 P29
Poultry.

34692 MCCLARY, C. F. Improving egg quality through breeding. Washcoegg 30(4):9,18-19,21. Sept. 1952. 47.8 W27

34693 MACKLIN, H. P. Pigeon portraits: the Muffed Magpie Cropper. 1. Amer. Pigeon J. 42:40-41. Feb. 1953. 47.8 Am35

34694 MEHNER, A. Grundsätze der deutschen geflügelherdbuchzüchtung. Deut. Wirtgeflügelzucht. 5:135-136. (Cont.) Dec.13,1952. 47.8 D483

34695 MEHNER, A. Grundsätze der deutschen geflügelherdbuchzüchtung. Deut. Wirtgeflügelzucht. 5:148. (Concl.) Dec.20,1952. 47.8 D483

34696 NIEBOER, J. The Silver-Penciled Wyandotte. (In Dutch.) Pels en Pluim 7(25):5. Dec.12,1952. 47.8 P36

34697 NIPPON YOKEI KYOKAI. Kakin hyojun [Standards of poultry]. Tokyo, Asakura Shoten, 1952. 141 p. 47 N622

34698 NISHIYAMA, H. On the agglutination of the cock sperm in the transparent fluid. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 12:269-275. Ref. Mar. 1952. 107.6 K995B
English summary.

34699 NISHIYAMA, H. On the hydrogen ion concentration of the transparent semen in the fowl. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 12:277-281. Ref. Mar.1952. 107.6 K995B
English summary.

34700 NISHIYAMA, H. Studies on the physiology of reproduction in the male fowl. IV. On the mechanism of the ejection of transparent fluid. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 12:283-292. Mar.1952. 107.6 K995B
English summary.

34701 PLÜSS, W. Unsere Wyandottzwerge. Geflügelhof 15:623-624,626-627. Sept.26,1952. 47.8 G276

34702 POWELL-OWEN, W. Crosses for egg production. Poultry World 92(5,sup.):i-viii. Jan.29,1953. 47.8 P8682

34703 ROBERTS, E., SHAKLEE, W. E., and FALLS, H. F. A red-eye mutation in White Plymouth Rocks. J. Hered. 43:200-204. Sept./Oct.1952. 442.8 Am3

34704 SCHAEFER, F. Der Altstämmer. Thür. Kleintierzüchter 6:412-413. Dec.22,1952. 49 T42

34705 SCHERTENLEIB, O. Barnevelder von heute. Geflügelhof 16:36-37. Jan.23,1953. 47.8 G276

34706 SHAKLEE, W. E. Hybrid vigor in egg production. Amer. Poultry J. 84:16. Jan.1953. 47.8 Am32

34707 SHULTZ, F. T., and BRILES, W. E. The adaptive value of blood group genes in chickens. Genetics 38:34-50. Ref. Jan.1953. 442.8 G28

34708 SILSON, R. G. Regarding the matter of static breeding. Amer. Pigeon J. 42:45. Feb.1953. 47.8 Am35

34709 SMITH, H. E. How many families for success? Poultry World 92:90. Jan.22,1953. 47.8 P8682
Bantam class breeding.

34710 STAMM, E. Die zucht der schwarzen Zwerg-Wyandotten. Thür. Kleintierzüchter 6:413. Dec.22,1952. 49 T42

34711 STONEBAUGH, J. White Rock Bantams. All-Pets Mag. 24:97-98. Jan.1953. 48.8 AL5

34712 TAYLOR, L. W. Problems of fertility and hatchability. Coop. Poultryman 18(2):4-6,26-27. Feb. 1953. 47.8 C782

34713 VEENSTRA, J. A. Friesian hens. III. (In Dutch.) Pels en Pluim 7(22):5. Oct.31,1952. 47.8 P36

34714 WATERS, N. F. Blueprint for poultry breeding. Rur. New-Yorker 103:75,108. Feb.7,1953. 6 R88

34715 WATERS, N. F. Hybrid chickens, how they compare with standardbred chickens. Nulaid News 30(9): 21-22. Feb.1953. 47.8 N917

34716 WATMOUGHS, W. Stamina in breeding [pigeons]. All-Pets Mag. 24:102-103. Jan.1953. 48.8 AL5

Feeds and Feeding

34717 BELTRAN, J. M. La mejora de la producción avícola rural. Avicult. Téc. 5:145-147. Nov.1952. 47.8 Av57
Chiefly feeding.

34718 BLACK, D. J. G. Some developments in poultry nutrition. Poultry Assoc. Gt. Brit. Ybk. 1953:35-42. 47.9 P864Y

34719 BOEGER. Vergleichender kükenaufzuchtversuch mit trockenhefe und Vietaal. Landwirt. Z. der Nord-Rheinprov. 119:1369. Dec.13,1952. 18 L2344

34720 BONDI, A., OLOMOTZKI, A., and KALDERON, M. The use of grain treated with ethylene dibromide as poultry feed. (In Hebrew.) Hassadeh 33:54-55. Oct. 1952. 26 H27

34721 CAVERS, J. R. The keynote to profits is feed efficiency. Canad. Poultry Rev. 77(2):24. Feb.1953. 47.8 C16

34722 CHOMYSZYN, M. The influence of feed upon the fat quality of ducks. (In Polish.) Rocz. Nauk Roln. 61: 83-101. Ref. 1952. 20.5 R59
English summary.

34723 CLAYBAUGH, J. H. How much feed per dozen eggs? Poultry Tribune 59(3):8,50-51. Mar.1953. 47.8 P8642

34724 COATES, M. E. Mode of action of antibiotics. Brit. Agr. B. 5:294-295. Jan.1953. 10 B776
Effect on growth of chicks.

34725 DYMAN, V. K. Protein nutrition of poultry. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaĭstve, p.280-292. Moskva,1952. 387.1 Ak12

34726 EFFERTZ, J. Aufbau und organisation der beratungsstelle für geflügelfütterung. Deut. Wirtgeflügelzucht. 5:43-45. Oct.25,1952. 47.8 D483

34727 FANGAUF, K. W. Welche faktoren beeinflussen den vitaminbedarf des geflügels. Futter u. Fütterung 25:188-190. Dec.1952. 389.78 F98

34728 FANGAUF, R. Welche geflügel-mischfuttermittel werden am markt sein? Deut. Wirtgeflügelzucht 5:45-48. Oct.25,1952. 47.8 D483

34729 FOSTER, J. C. Pigeon racing. VI. Feeds and feeding. Amer. Racing Pigeon News 69(1):1-3; (2):1-4. Jan.-Feb.1953. 47.8 H75

34730 GAWĘCKI, K., and NEUMAN, M. Investigations on the food value of different varieties of sweet lupin grains supplied as chick feed in concentrated mixtures. (In Polish.) Rocz. Nauk Roln. 61:193-210. Ref. 1952. 20.5 R59
English summary.

34731 GRAU, C. R. Some aspects of protein nutrition. Nulaid News 30(9):13-15. Feb.1953. 47.8 N917

34732 HEUSER, G. F. Recent findings on antibiotics and surfactants for poultry. Canad. Milling & Feed 34 (2):16. Feb.1953. 298.8 C162

34733 HEYWANG, B. W. Poultry nutrition studies during hot weather. (Extr.) Feedstuffs 25(6):30,32. Feb.7,1953. 286.81 F322

34734 KENT, O. B., and CRAVENS, W. W. Feed needs of chicks. Feed Bag 29:17,92. Jan.1953. 389.78 F32

34735 KRATZER, F. H., comp. Vitamin requirements of turkeys. Turkey World 28(2):84. Feb.1953. 47.38 T84

34736 LEE, C. E. Higher egg production starts with better pullets. Everybodys Poultry Mag. 58(2):16-17,43-45. Feb.1953. 47.8 F213P
Feeding.

34737 MACINTYRE, T. M. Trends in poultry nutrition. Canad. Poultry Rev. 77(2):32-34. Feb.1953. 47.8 C16

34738 MCKAY, W. Practical application of antibiotics. Poultry Field 5(18):15. Jan.15,1953. 47.8 P8655

34739 MAINARDI, B. Iodinated proteins associated with vitamin B_{12} for growing chicks. (In Italian.) Humus 8(10):18-20. Oct.1952. 16 H88

34740 MAINARDI, B. Massive doses of vitamin A and hypervitaminosis in chicks caused by it. (In Italian.) Humus 8(10):31-32. Oct.1952. 16 H88

34741 MANTEL, K. Neuzeitliche fütterungsgrundsätze. Deut. Wirtgeflügelzucht. 5:40-42. Oct.1952. 47.8 D483

34742 MATTERSON, L. D. More eggs for your feed dollars. N. H. Breeder & Broiler Grower 16:16,18-19. Jan.1953. 47.8 N45
Feed formulas.

34743 MILLER, O. N., and others. Folic acid deficiency in the duck. J. Nutr. 49:65-77. Ref. Jan.10, 1953. 389.8 J82
J. W. Goddard, R. E. Olson, and F. J. Stare, joint authors.

34744 NEVEĬTSEVA, V. I. Economizing on grain feeds in poultry raising at the expense of a maximum utilization of root-tuber crops. (In Russian.) Ptitsevodstvo 9:10-14. Sept.1952. 47.8 P95

34745 NEW ZEALAND. DEPT. OF AGRICULTURE. Poultry keeping. 4. The theory & practice of feeding. New Zeal. Dept. Agr. B. 198,rev.,36 p. 1952. 23 N48Bu

34746 NORRIS, L. C. Vitamins needed by chickens and turkeys. Hatchery & Feed 27(2):38-39. Feb.1953. 47.8 H28

34747 PACE, D. M., LANDOLT, P. A., and MUSSEHL, F. E. The effect of pigeon crop-milk on growth in chickens. Growth 16:279-285. Ref. Dec.1952. 442.8 G91

34748 PARNELL, E. D. Feed's effect on the quality of poultry products. Feed Age 3(2):26-28,58. Feb.1953. 389.78 F327

34749 PATTON, A. R. Hot atoms and space chicks. Poultry Comment 9(5):4. Dec.1952. 47.8 D92
Antibiotics in feed, and use of radioactive sulfur in cystine synthesis.

34750 PEROTTI. R. M. Deben metodizarse las raciones en las aves para su crecimiento y desarrollo normal. Mundo Agr. 5(44):70-71. Jan.1953. 9 M92

34751 PEROTTI, R M. Los minerales son necesarios en las raciones para las aves. Mundo Agr. 4(42):54-55. Nov.1952. 9 M92

34752 PERUCHON DE BROCHARD, J. Necesidad de utilizar la colina en los alimentos avícolas. Reus Avíc. 1:147. Nov.1,1952. 47.8 R31

34753 RAIMO, H. F. Efficient rations and ample feeding space—key to poultry productivity. (In Portuguese.) Rev. dos Criadores 23(10):14-15. Oct.1952. 43.8 R32

34754 RICHARDSON, L. R., BLAYLOCK, L. G., and LYMAN, C. M. Influence of the level of vitamins in the diet on the concentration of free amino acids in the plasma of chicks. J. Nutr. 49:21-28. Jan.10,1953. 389.8 J82

34755 ROÍG MIRÓ, J. Necesidad de la soja en la alimentación racional de las aves. Reus Avíc. 1:144. (Cont.) Oct.1,1952. 47.8 R31

34756 ROIG MIRÓ, J. Necesidad de la soja en la alimentación racional de las aves. Reus Avíc. 1:149,151. (Concl.) Nov.1,1952. 47.8 R31

34757 ROMER, R. R. Versuchsanstellung. Futter u. Fütterung 25:186-188. Dec.1952. 389.78 F98
Poultry feeding.

34758 SCOTT, M. L. How fast do turkeys grow and how much do they eat? Turkey World 28(2):98,100. Feb. 1953. 47.38 T84

34759 SHERWOOD, D. H. Studies with corn-soy type rations for starting turkey poults. Mich. U. Diss. Abs. 12:764. 1952. 241.8 M58

34760 SPRONCK, J. Les matières azotées animales dans l'alimentation des volailles. Rev. de l'Élevage 8:83. Jan.1953. 49 B462

34761 TAUB, J. Why we switched to all-mash feeding. N. J. Farm & Gard. 24(2):49-50,52. Feb.1953. 6 G162
Poultry feeding.

34762 WILDER, O. H. M. Feathers supply protein for poultry feed. Poultry Processing & Mktg. 59:11,27. Jan.1953. 286.85 Eg3
Development of a feather meal.

Veterinary Medicine

34763 ADOLF, R. H. Quality of eggs from different age group birds. San Diego Poultry J. 29(569):10,13. Jan.1953. 47.8 Sa52

34764 BASANTA, E. El moquillo de las gallinas. Pampa Argentina 25(259,i.e.299):16. Nov.1952. 9 P19

34765 BECKER, E. R. Hemagglutination reactions involving plasmas and erythrocytes of individual chickens and ducks. Iowa Acad. Sci. Proc. 59:411-415. 1952. 500 Io93

34766 BENOIT, J., and ASSENMACHER, I. Influences de lésions hautes et basses de l'infundibulum sur la gonadostimulation chez le canard domestique. Acad. des Sci. Compt. Rend. 235:1547-1549. Dec.10,1952. 505 P21

34767 BLOUNT, W. P. How to avoid fowl pest. Farmers Wk. [London] 38(5):67-68. Jan.30,1953. 10 F2226

34768 BODON, L., ROJTI, M., and SZENT-IVÁNYI, M. On the titration of the Newcastle-disease antiserum. Acta Vet. 2:343-353. Ref. 1952. 41.8 Ac83

34769 CAMON CANO, J. Quimioterápicos y antibióticos en avicultura. Reus Avíc. 1:136-137,139,141, 143. Oct.1,1952. 47.8 R31

34770 CHILDS, T. Newcastle disease. Saskatchewan Poultry Cat. 19:23-25. 1952. 47.8 Sa7

34771 COLE, R. K. Avian leucosis, No. 1 poultry killer. Rur. New-Yorker 103:75,106. Feb.7,1953. 6 R88

34772 CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry respiratory disease control program—a summary; report for 1951 and suggestions for 1952, by E. Jungherr and R. E. Luginbuhl. Storrs,1952. 2 p. 275.29 C76Pr

34773 CRETSCHMAR, M. Versuche zur hormonalen geschlechtsumstimmung bei hühnern. Deut. Kleintier-Züchter. Ausg. Geflügel 8:4-5. (Cont.) Jan.5,1953. 47.8 D484

34774 DAM, H., and SØNDERGAARD, E. Faster action of vitamin K_1 than of menadione and synkavit intravenously injected into vitamin K-deficient chicks. Experientia 9:26-27. Jan.15,1953. 475 Ex7

34775 DOROSHKO, I. N., and PROKOF'EVA, M. T. Infectious sinusitis in turkeys. (In Russian.) Ptitsevodstvo 9:26-29. Sept.1952. 47.8 P95

34776 DRESSE, O. Maladies des pigeons. Soc. des Avicult. de la Gironde et du Sud-Ouest. B. Jan.1953:3,5. 47.9 So1

34777 ECHARRI LOIDI, J. M. Caponaje bioquímico. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 14-52H,11 p. July 1952. 15 H68

34778 EDGAR, S. A. Control of avian coccidiosis through immunization. Soeast. Poultryman 6(1):60-61, 108-113. Jan.1953. 47.8 So872

34779 EGYED, M., and MIKLOVICH, M. Blood-level concentrations of various sulphonamide compounds determined in chickens. Acta Vet. 2:225-233. Ref. 1952. 41.8 Ac83

34780 FERGUSON, A. E. Newcastle disease control. Canad. Poultry Rev. 77(2):18,20. Feb.1953. 47.8 C16

34781 FOX, J. J., and GOODMAN, I. Competitive inhibitory effects of some unnatural cytosine nucleosides on the in vitro development of the early chick embryo. Biochim. et Biophys. Acta 10:77-82. Ref. Jan.1953. 381 B522

34782 FRANCO, E. F. Treatment of coryza in poultry. (In Portuguese.) Granja [Porto Alegre] 8(65/66): 95-96. Aug./Sept.1952. 9.2 G76

34783 FRITZSCHE, K. Geflügelpest und junghennenverkauf. Deut. Wirtgeflügelzucht. 5:150-151. Dec.20, 1952. 47.8 D483

34784 FRITZSCHE, K. Neue erkenntnisse über die gesunderhaltung unserer geflügelbestände. Geflügelhof 15:817-818. (Cont.) Dec.19,1952. 47.8 G276
Control of fowl pest.

34785 FROBOESE, V. Einfache seuchenbekämpfung auf dem geflügelhof. Tierzucht 6:352-353. Oct.1952. 49 T443

34786 GOETZ, M. E., and QUORTRUP, E. R. Some observations on the problems of Arizona paracolon infections of poults. Vet. Med. 48:59-60. Feb.1953. 41.8 M69

34787 GORDON, R. F. Fowl typhoid: a growing threat. Farmer & Stock-Breeder 67(3301):45,47. Jan.27,1953. 10 F228

34788 GORDON, R. F. Recent advances in the control of poultry diseases. Poultry Assoc. Gt. Brit. Ybk. 1953: 50-60. 47.9 P864Y

34789 GRUMBLES, L. C., and others. Cultural and biochemical characteristics of the agent causing infectious sinusitis of turkeys and chronic respiratory disease of chickens. Sowest. Vet. 6:166-168. Winter 1953. 41.8 So82
E. Phillips, W. A. Boney, and J. P. Delaplane, joint authors.

34790 HAWK, G. C. A four-winged domestic fowl. Iowa Acad. Sci. Proc. 59:452-456. 1952. 500 Io93

34791 HENDERSON, E. W. Mortality of pullets in their first and second year. Poultry Indus. [Boston] 59:5, 26. Jan.1953. 47.8 N44

34792 HERRICK, E. H., and MCCORMACK, S. D. The occurrence and nature of cysts in the pituitary glands of fowls and rats. Kans. Acad. Sci. Trans. 55:178-183. Ref. June 1952. 500 K13T

34793 HOOGENDOORN, J. Coccidiosis and its control. (In Dutch.) Pels en Pluim 26:12-13. Dec.20,1952. 47.8 P36
Of poultry.

34794 HSU, J. M., STERN, J. R., and MCGINNIS, J. Effect of vitamin B_{12} deficiency on chick plasma proteins. Arch. Biochem. & Biophys. 42:54-60. Jan.1953. 381 Ar2

34795 JAHN, W. Über die schutzimpfung gegen geflügeldiphtheroid und -pocken. Tierärztl. Umschau 8: 12-14. Ref. Jan.1953. 41.8 T445

34796 JIŘINA, K. Mesenterialzyste bei der gans. Monatsh. f. Vetmed. 7:480-481. Dec.1,1952. 41.8 M742

34797 JOHNSON, E. P., and GROSS, W. B. 'Airsac-treat' found ineffective by Virginia Experiment Station. Soeast. Poultryman 5(12):5,15-18. Dec.1952. 47.8 So872

34798 JOHNSON, E. P. Chicken disease chart. Soeast. Poultryman 6(1):50. Jan.1953. 47.8 So872

34799 JOHNSON, E. P. Turkey disease chart. Soeast. Poultryman 6(1):51. Jan.1953. 47.8 So872

34800 KENZY, S. G. The development of visceral lymphomatosis in chickens inoculated with tumor preparations of avian myxosarcomas. Cornell Vet. 43:80-91. Ref. Jan.1953. 41.8 C81

34801 KERR, K. B. Occurence of Echinoparyphium recurvatum (Linstow, 1873) in chickens in Iowa. Iowa Acad. Sci. Proc. 59:467-468. 1952. 500 Io93

34802 KRANEVELD, F. C., and DJAENOEDIN, R. Aspergillosis pulmonum in chickens. (In Dutch.) Hemera Zoa 59:525-526. Sept./Oct.1952. 41.8 V51

34803 LAHOZ, V. Algunas consideraciones sobre farmacologia aplicada a la avicultura. Reus Avíc. 1:109-110. Sept.1,1952. 47.8 R31

34804 MARTIN, E. P., and LEONE, C. A. Sereological relationships among domestic fowl as shown by comparisons of protein preparations from corresponding organ systems. Kans. Acad. Sci. Trans. 55:439-444. Ref. Dec.1952. 500 K13T

34805 MASLÎEVA, O. I. Avitaminosis and hypovitaminosis in poultry. (In Russian.) Ptitsevodstvo 9:18-21. Sept.1952. 47.8 P95

34806 MORRIS, D. M. Adrenal hypertrophy in the White Leghorn cockerel after treatment with thiouracil and thyroidectomy. Science 117:61-62. Jan.16,1953. 470 Sci2

34807 OLSON, N. O. Respiratory diseases in poultry. W. Va. Agr. Expt. Sta. B. 357(2):7. Dec.1952. 100 W52

34808 PAVER, H., ROBERTSON, A., and WILSON, J. E. Observations on the toxicity of salt for young chickens. J. Compar. Path. & Ther. 63:31-47. Ref. Jan.1953. 41.8 J82

34809 PITAL, A. An antibiotic approach to the problem of pullorum disease. Mich. U. Diss. Abs. 12: 767-768. 1952. 241.8 M58

34810 POMEROY, B. S. Let's reduce poults losses in '53. Minn. Gobbles 7(8):12. Jan.1953. 47.38 M66

34811 POMEROY, B. S. Let's take a look at disease problems. Minn. Gobbles, Dec.1952:11,22. 47.38 M66

34812 REAGAN, R. L., and others. Response of the baby chick to dengue fever, pseudorabies, and herpes simplex viruses. Cornell Vet. 43:175-178. Jan.1953. 41.8 C81
F. M. Sansone, S. Moore, and R. T. Marley, joint authors.

34813 REINHARDT, R., and FRITZSCHE, K. 60 jahre geflügelkrankheiten. Deut. Tierärztl. Wchnschr. 60:36-39. Jan.7,1953. 41.8 D482

34814 RICHTER, F. Blutige oder unblutige kapaunisierung? Bavaria. Landesanst. f. Tierzucht in Grub. Mitt. 2(7/8):25-29. 1952. 49 B32
Of poultry.

34815 ROMIJN, C. Comment se développe l'embryon pendant la couvaison. Rev. de l'Élevage 8:77,79. Jan. 1953. 49 B462

34816 ROSENWALD, A. S. Controlling respiratory diseases. Broiler Growing 4(2):16,62-65. Feb.1953. 47.8 B782

34817 SALYI, J., and HODOSY, J. Untersuchungen über die ätiologie und pathohistologie der lähmungen nach impfung mit Hertfordshire-vakzine. Acta Vet. 2: 169-198. Ref. 1952. 41.8 Ac83
Leukosis and fowl pest.

34818 SAMAT. Les différences de température et la santé des volailles. Réveil Agr. 62(2642):8-9. Jan.1, 1953. 14 R322

34819 SCHAFER, W., and MUNK, K. Eigenschaften tierischer virusarten, untersucht an den geflügelpestviren als modell. IV. Untersuchungen über den ablauf der vermehrung beim virus der klassischen geflügelpest. Z. f. Natforsch. 7b:608-619. Nov.1952. 474 Z3

34820 SCHIEL. Zur "colibazillose" der hühner. Deut. Wirtgeflügelzucht. 5:174-175,179. Jan.3,1953. 47.8 D483

34821 SCHMITTLE, S. C. Fowl typhoid. Soeast. Vet. 4:17-18. Fall 1952. 41.8 Un32

34822 SHAKLEE, W. E., and SHAFFNER, C. S. High and low thyroidal response to the feeding of thiouracil. J. Hered. 43:238-242. Sept./Oct.1952. 442.8 Am3

34823 SIEGMANN, O., and WOERNLE, H. Einwirkung des phagogene HNC 304 auf das Newcastle disease virus. Monatsh. f. Prakt. Tierheilk. 4:551-554. 1952. 41.8 M74

34824 SPREHN, C. Versuche über die möglichkeit der stoffwechsel-normalisierung bei legehennen. Deut. Kleintier-Züchter 7(20):4-5. Oct.20,1952. 49 D483

34825 STEPHAN, F. Contribution expérimentale a l'étude du développement du système circulatoire chez l'embryon de poulet. B. Biol. de la France et de la Belg. 86:217-308. Ref. Third Q.1952. 473 B87

34826 SZUCS, A. Contributions to the etiology of osteomyelosclerosis in hens. Acta Vet. 2:161-167. 1952. 41.8 Ac83

34827 THOMPSON, J. J. Control of disease outbreaks on poultry farms. New Zeal. J. Agr. 85:393,395-396. (Concl.) Nov.15,1952. 23 N48J

34828 TRENCHI, H. Coriza infecciosa (moquillo). Uruguay. Min. de Ganad. y Agr. B. Inform. 9(444):12. Dec.4,1952. 9.9 G15B
Poultry.

34829 TRENSE, I. Pullorumuntersuchung hin—pullorumuntersuchung her! Deut. Wirtgeflügelzucht. 5:63. Nov.1,1952. 47.8 D483

34830 THE UNH Poultry Department helps to safeguard health of New Hampshire's flocks. Merrimack's Mon. Messenger. 15:1-6. Jan.1953. 6 M55

34831 U. S. BUR. OF ANIMAL INDUSTRY. Report of a field study on "air sac infection," period of study, June 2-13, 1952. Washington,1952. 16 p. Ref. 1.972 A2R296

34832 VALDMAN, A., and TAUTSIN', E. Biosynthesis of vitamin A in chicks and suckling pigs. (In Latvian.) Latv. PSR Zinatņu Akad. Vest. 11:1772-1773. 1951. 511 R442

34833 VIEUCHANGE, J. Hemagglutination et virus de la variole aviaire. Inst. Pasteur. Ann. 83:834. Dec. 1952. 448.3 An75

34834 VILLENEUVE, P. La "picote des poules," une maladie de $15.00 par jour. B. des Agr. 35:26-27. Jan.1953. 7 B872

34835 WATANABE, Y. Fowl paralysis on the increase. Poultry Field 5(17):12-13,16. Jan.1,1953. 47.8 P8655
Great Britain.
Includes discussion.

34836 WILEY, J. R. How you can help customers combat poultry diseases. Poultry Supply Dealer 29(9):16-17. Sept.1952. 47.8 B11

Miscellaneous

34837 ALBERTI. Huhnerleistungsprüfung in Weser-Ems. Deut. Wirtgeflügelzucht. 5:145-146. Dec.20,1952. 47.8 D483

34838 ALTIMIRA RAVENTOS, C. Explotación industrial del avestruz. Cult. Mod. 35:407. Nov.1952. 15 C89

34839 ALTIMIRA RAVENTOS, C. Huevos de incubación. Cult. Mod. 35:447-448. Dec.1952. 15 C89

34840 ANNIN, G. E., CRAVENS, W. W., and SUNDE, M. L. Chicks—brooding, feeding, rearing. Wis. Agr. Col. Ext. C. 382,rev.,24 p. Aug.1952. 275.29 W75C

34841 ASTLEY, R. Light up the ducks as well. Farmer & Stock-Breeder 67(3298):83,85. Jan.6,1953. 10 F228

34842 AVICULTURA de apartamento; como criar galinhas no centro da cidade [Apartment poultry keeping; how to keep hens in the center of the city]. Vamos para o Campo 68,20 p. 1952. 9.2 V25

34843 BARRIOS P., L. Los rayos ultravioletas—factor preponderante en la salud de las aves. Agr. Venezol. 17(156):32-33. Oct.1952. 9.95 Ag8

34844 BAY, C. Efficient broiler growers face sound future. Broiler Growing 4(2):22,24. Feb.1953. 47.8 B782

34845 BECKER, A. Die note "vorzüglich." Deut. Kleintier-Züchter. Ausg. Geflügel 7(20):7. Oct.20,1952. 47.8 D484
Poultry judging.

34846 BENNION, N. A look at Oregon's poultry industry. Pacific Poultryman 57(2):12,59-60. Feb.1953. 47.8 P112

34847 BERNIER, P. E. How much flock replacement? Should you keep any old hens? Eggsaminer 30:4,12-13, 28-29. Jan.1953. 286.85 Eg32

34848 BERRY, L. N. Management systems for pullets hatched in different months. N. Mex. Agr. Expt. Sta. B. 373,9 p. Nov.1952. 100 N465

34849 BIANCHI, L. E. Where do you find the probability of profits in poultry raising? (In Portuguese.) Chacaras e Quintais 86:779-780. Dec.15,1952. 9.2 C34

34850 BINET, P. Pour faire de l'aviculture fermiére une source de profit. Rev. de l'Elevage 8:157,159-160, 163. Feb.1953. 49 B462

34851 BLAKELY, R. M. A comprehensive program for the artificial brooding of turkey poults. Canad. Poultry Rev. 77(2):44-45. (Cont.) Feb.1953. 47.8 C16

34852 BLAKELY, R. M. The production of commercial turkey hatching eggs. Saskatchewan Poultry Cat. 19: 47,49-50. 1952. 47.8 Sa7

34853 BUDET DOMINGUEZ, A. El gallinero saludable y productivo. Rev. de Agr. P. R. 43:168-171. Jan./June 1952. 8 R325

34854 BURGOS, C. X. Questions and answers on raising [poultry]. Agr. & Indus. Life 14(12):44-45,49. (Cont.) Dec.1952. 25 Ag8

34855 BUTTNER, E. E. Flying speed of racing birds. So. African Poultry, Pigeon & Bird Mag. 82,i.e.81 (492):30,29. Jan.1953. 47.8 So83

34856 BYERLY, T. C. What NPIP goals for the future should be. Hatchery & Feed 27(2):48,50,52-53. Feb.1953. 47.8 H28

34857 CARTANYA ALEU, P. Ante la próxima campaña. Reus Avíc. 1:105-106. Sept.1,1952. 47.8 R31
Laying contest.

34858 CARTANYA ALEU, P. Avicultura no es sólo tener gallinas. Reus Avíc. 1:145-146. Nov.1,1952. 47.8 R31

34859 CASTILLO, D. J. DEL. Organización avícola nacional. Reus Avíc. 1:158-161,163-164. (Cont.) Nov.1, 1952. 47.8 R31

34860 CECIL, L. Successful chick rearing starts in the incubator. Mod. Poultry Keeping 68:90-91. Jan.28, 1953. 47.8 Eg3

34861 CHANSLER, W. S. The early chick makes the most money. Rur. New-Yorker 103:2,25. Jan.3,1953. 6 R88

34862 CLARK, T. B. A resumé of the poultry research work carried on at West Virginia University. Soeast. Poultryman 6(1):48-49,119-120. Jan.1953. 47.8 So872

34863 COCK, A. G. The interpretation of autosexing. J. Genet. 51:421-433. Ref. Jan.1953. 442.8 J823

34864 COMBERG, E. Die winterlegeleistung. Tierzucht 6:421-424. Dec.1952. 49 T443

34865 DAVIS, L. L., and COE, M. Edible meat yields from small turkeys compare favorably with larger birds. Va. Poultryman 7:58,126-129. Jan.1953. 47.8 V812

34866 DEAMBROSIS, J. R. Cómo se practica la avicultura en los Estados Unidos de Norte América: avicultura de carne. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(443):8-10; (444):8-10. Nov.27-Dec.4,1952. 9.9 G15B

34867 DEAMBROSIS, J. R. Cómo se practica la avicultura en los Estados Unidos de Norte América: avicultura de huevos. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(446):8-10. Dec.18,1952. 9.9 G15B

34868 DEAN, A. L. Managing egg production. All-Pets Mag. 24:97-98. Jan.1953. 48.8 AL5
Utility Bantams.

34869 DOSSIN, C. O. Range those pullets! Poultry Tribune 59(3):9,41. Mar.1953. 47.8 P8642

34870 DRESSE, O. Geographie avicole de la Belgique. Cour. Hort. 14:682-683. (Concl.) Dec.1952. 80 C834

34871 EARLE, W. A look at poultry's future. Poultry Tribune 59(3):14-15. Mar.1953. 47.8 P8642

34872 EASIER ways to brood chicks. Country Gent. 123(2):42-43. Feb.1953. 6 C833

34873 ENGELMANN. Die steigerung der legeleistung. Thür. Kleintierzüchter 6:414-415. Dec.22,1952. 49 T42
Poultry.

34874 ENGLER, H. Hühnerhaltung und hühnerzucht. Ed. 9. Bern,Buchverlag Verbandsdruckerei,1952. 95 p. (Landwirtschaftliche Lehrbücher) 47 En33

34875 FANGAUF. Sind wir 1952 weitergekommen? Deut. Wirtgeflügelzucht. 5:157-160,176. Dec.27,1952-Jan. 3,1953. 47.8 D483
Poultry care.

34876 THE FARMERS Weekly poultry supplement. Farmers Wk. [London] 38(3):i-xxiv. Jan.16,1953. 10 F2226

34877 FELTWELL, R. Laying battery management. Herefordshire Agr. J. 13:47,49,51. Winter 1952/53. 10 H42

34878 FOISY, L. Au moins trois douzaines d'oeufs de plus par année. B. des Agr. 35:18-19,53. Jan.1953. 7 B872

34879 FOISY, L. Importance économique du R.O.P. Avicult. Québecois 7(12):11. Dec.1952. 47.8 Av55

34880 FREE, D. H. Plan your 1953 poultry program. Nebr. Elect. Farmer 7:5,29. Jan.1953. 335.8 N27
Care.

34881 GABRIELIAN, M. S. Dzhavakhet geese of Georgia. (In Russian.) Ptitsevodstvo 9:22-25. Sept.1952. 47.8 P95

34882 GLEICHAUF, R. Schwedische geflügelzucht. Deut. Kleintier-Züchter. Ausg. Geflügel 7(20):3-4. Oct. 20,1952. 47.8 D484

34883 GORDY, J. F. Master these 8 points for a profitable 1953. N. J. Farm & Gard. 24:50,52-53. Jan. 1953. 6 G162
Egg production.

34884 GREGORY, F. S. The production of prime table poultry. Herefordshire Agr. J. 13:37,39,41,43,45. Winter 1953/53. 10 H42

34885 HALE, M. No escape from trapping. Poultry World 92:60. Jan.15,1953. 47.8 P8682

34886 HART, F. H. Housing laying poultry in cages. Victorian Poultry J. 39(4):27,29,31,33. Nov.1,1952. 47.8 V662

34887 HASH, T. R. Brooding chicks for broilers or layers. W. Va. Agr. Col. Ext. C. 362,10 p. Sept.1952. 275.29 W522C

34888 HATHAWAY, H. E. Comparing processing yields of various broiler strains. Va. Poultryman 7:39, 113-115. Jan.1953. 47.8 V812

34889 HERRICK, L. W. Opportunities with turkey broilers. Amer. Poultry J. 84:78,88. Jan.1953. 47.8 Am32

34890 HOLTBY, P. There's no better system than the henyard for farmers. (Extr.) Poultry 112:22. (Cont.) Jan.13,1953. 47.8 P869

34891 HOMS ZIMMER, C. El "Chick Tester" in España. Avicult. Téc. 5:151-152. Nov.1952. 47.8 Av57

34892 HOOGENDOORN, J. Care of geese during the winter. (In Dutch.) Pels en Pluim 26:20. Dec.20,1952. 47.8 P36

34893 HORN, E. Das schlachten von geflügel. Bauer 5(40):11-12. Nov.15,1952. 19 B32

34894 HORTON, D. H. Broiler production in '53. Rur. New-Yorker 103:35,66. Jan.17,1953. 6 R88

34895 HOUT, F. VAN. Final results of the egg laying contest at Roeselare. (In Flemish.) Cult. en Handel 19: 58-59. Jan.1953. 80 C892

34896 HURD, L. M. ABC's of raising geese. Poultry Tribune 59(3):24,26. Mar.1953. 47.8 P8642

34897 HUTT, F. B. Breeders & multipliers. Poultry Assoc. Gt. Brit. Ybk. 1953:28-34. 47.9 P864Y
Chiefly progeny testing.

34898 HUTT, F. B. New York random sample test. Mod. Poultry Keeping 68:41,45. Jan.14,1953. 47.8 Eg3

34899 INSKO, W. M., and MACLAURY, D. W. What you should know about incubating turkey eggs. Turkey World 28(2):94-96. Feb.1953. 47.38 T84

34900 JONES, R. E. Raise healthy chicks. Sanitation still pays. Poultry Tribune 59(2):12-13,43. Feb.1953. 47.8 P8642

34901 JULL, M. A. Litter management in the laying house. Rur. New-Yorker 103:74,111. Feb.7,1953. 6 R88

34902 KELLEY, D. Hatcherymen say sales will be up in '53. Poultry Supply World 30:14-15. Jan.1953. 47.8 B11

34903 KENNISH, G. Will new machines revolutionize the chick sexing business? N. H. Breeder & Broiler Grower 16:8-9,35. Jan.1953. 47.8 N45

34904 KING, S. C. Two hundred eggers—without culling! N. H. Breeder & Broiler Grower 16:4,6. Jan. 1953. 47.8 N45

34905 KOLOBOV, G. M. Exemplary carrying out of culling on poultry farms and preparation for wintering. (In Russian.) Ptitsevodstvo 9:4-7. Sept.1952. 47.8 P95

34906 KOPP, L. J. Beware of the predator. Amer. Poultry J. 84:26,43. Jan.1953. 47.8 Am32
Furbearing animals and owls.

34907 LAPOINTE, J. A. L'abattage et la vente des volailles. Foyer Rur. [Montreal] 12(2):8. Dec.1952. 7 F83

34908 LATTEUR, F. Aviculture fermière: pour une forte ponte d'hiver. Sillon Belge 22(538):1,8. Dec.13, 1952. 13 Si3

34909 LAURENT, FRÈRE. Les 9 étapes essentielles dans l'élevage des poussins. B. des Agr. 35:20-21. Jan. 1953. 7 B872

34910 LIENHART, R. Le sex-ratio chez le pigeon. Soc. de Biol. Compt. Rend. 146:1601-1603. Oct.1952. 442.9 P21

34911 MCARDLE, A. A. Some observations on the economics and husbandry of turkeys in South Australia. Australas. Poultry World 24(5):15,17,19,21,23. Dec.5, 1952. 47.8 Au72

34912 MCCOWEN, S. Avicultura. Rev. Nac. de Agr. 46(571):30-35. Nov.1952. 9.4 R32

34913 MCCOWEN, S. Crianza de los pollitos. Rev. Nac. de Agr. 46(572):32-38. Dec.1952. 9.4 R32

34914 MAINE. DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Final report, sixth Maine Production and Broiler Test. Augusta,1952. 9 p.-folder. 47.9 M28

34915 MANUELLI, R. Primeros cuidados de los pollitos. Selec. Rur. 7(31):32-35. Oct./Dec.1952. 9.9 Se4

34916 MARSDEN, S. J. Turkey fryers "catch on." Poultry Tribune 59(2):10,17. Feb.1953. 47.8 P8642

34917 MEHNER. Bericht über die 2. leistungs-tungsprüfung für hühner (vermehrungszuchten) in Hohenheim. Deut. Wirtgeflügelzucht. 5:187-188. Jan.10,1953. 47.8 D483

34918 MEHNER, A. Versuch über die wirkung von hell- und dunkelstrahlern bei der kükenaufzucht. Deut. Wirtgeflügelzucht. 5:61-62. Nov.1,1952. 47.8 D483

34919 MILLER, J. P. Labor efficiency on the poultry farm. Washcoegg 30(9):11,15,18-19. Feb.1953. 47.8 W27

34920 MILLIGAN, J. Broiler profits depend on sound management. Broiler Growing 4(2):17,40-42. Feb.1953. 47.8 B782

34921 MOORE, A. C. Capons challenge the table turkeys. Poultry World 92:58. Jan.15,1953. 47.8 P8682

34922 MOORE, S. A. Do we need a random sample test for turkeys? Turkey World 28(2):58,60. Feb.1953. 47.38 T84

34923 MORK, I. J. Cull your hens. N. Dak. Agr. Col. Ext. C. A-176,6 p.-folder. Apr.1952. 275.29 N812Sa

34924 MORRIS, L. Flock management is a science. Feed Bag 29:11,95. Jan.1953. 389.78 F32

34925 MOTLEY, W. A. Raising turkeys. Poultry Assoc. Gt. Brit. Ybk. 1953:43-49. 47.9 P864Y

34926 MOTLEY, W. A. Turkeys: lighting, feeding and incubating. Mod. Poultry Keeping 68:64-65. Jan.21,1953. 47.8 Eg3

34927 MUMFORD, D. C., and HARPER, J. A. The hatching egg and the producer. Turkey World 28(2):11, 88-89. Feb.1953. 47.38 T84

34928 MUNTER. Was hat uns die höhere winter-leistung der junghennen heute zu sagen? Deut. Wirtgeflügelzucht. 5:69-70. (Cont.) Nov.8,1952. 47.8 D483

34929 NADEN, K. D., and JACKSON, G. A. Fryer grading. Coop. Poultryman 18(2):8-9. Feb.1953. 47.8 C782

34930 NESBIT, W. B. Wing clipping on increase in South Carolina. Turkey World 28(2):62,65. Feb.1953. 47.38 T84

34931 OLSEN, M. W. Problems in hatchability. Poultry Comment 9(5):1-2. Dec.1952. 47.8 D92

34932 O'NEIL, J. B. Poultry production—an art and science. Saskatchewan Poultry Cat. 19:19-21. 1952. 47.8 Sa7
Care.

34933 PARKER, J. E. "The ten commandments" for successful chick brooding. Eggsaminer 30:2,14-15, 18-19. Jan.1953. 286.85 Eg32

34934 PENIONZHKEVICH, È. È. Osnovy gusevodstva [Principles of raising geese]. Ed. 2, rev. and enl. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 189 p. 47.1 P370

34935 PEROTTI, R. M. Utilizando hormonas se logra carne mas tierna en las aves. Mundo Agr. 4(43): 60-61. Dec.1952. 9 M92

34936 PERUCHON DE BROCHARD, J. La avicultura española. Reus Avíc. 1:106-107,109. (Concl.) Sept.1, 1952. 47.8 R31

34937 PERUCHON DE BROCHARD, J. Punto de vista francés sobre la VII. Asamblea Nacional de Avicultores. Reus Avíc. 1(7,sup.):2 p. Sept.1,1952. 47.8 R31

34938 PESSOA, A. S. Study missions abroad. (In Portuguese.) Portugal. Dir. Geral dos Serv. Pecuários. B. Pecuário 20(1):81-182. Ref. 1952. 41.8 P83
Eighth World Poultry Congress and visits to countries en route.

34939 PETTIS, A. M. Electric chick brooding is on increase in Florida. Fla. Grower 61(2):16. Feb.1953. 80 F6622

34940 POULTRY ASSOCIATION OF GT. BRIT. 1953 year book. London,1953. 112 p. 47.9 P864Y

34941 PRAT, J. DE. La VII Asamblea Nacional de Avicultores. Cult. Mod. 35:363-365. Oct.1952. 15 C89
Spain.

34942 PREECE, E. G. Free range or intensive. Farmer & Stock-Breeder 67(3301):55-56. Jan.27,1953. 10 F228

34943 PROULX, J. R. Les éleveurs de dindons en congrès. Ferme 14(4):28-30. Dec.1952. 7 F38
Quebec.

34944 RAE, W. J. Built-up litter. Saskatchewan Poultry Cat. 19:11,13. 1952. 47.8 Sa7

34945 RIVERS, F. Building a small farm with poultry. IV. Good Husb. 3(4):9-11. Dec.1952. 24 G59
Poultry care.

34946 ROY, J. B. Le Couvoir Coopératif de Nicolet et son rayonnement. Avicult. Québecois 7(12):8-10. Dec. 1952. 47.8 Av55

34947 RUBIES TRIAS, J. M. Algunas observaciones sobre el empleo del nidal registrador. Avicult. Téc. 5: 141-143. Nov.1952. 47.8 Av57

34948 RUBIO PAREDES, J. La cama gruesa en avicultura. Avicult. Téc. 5:153-154. Nov.1952. 47.8 Av57

34949 SALOM, J. La vegetación ornamental en avicultura. Avicult. Téc. 5:133-137. Nov.1952. 47.8 Av57

34950 SASKATCHEWAN poultry catalogue. Ed. 19. Regina,Saskatchewan Poultry Assoc.,1952. 60 p. 47.8 Sa7

34951 SHAW, R. B., and NIGHTALL, E. W. Egg production in folds. A report on the results obtained on the University farm with special reference to the year September 1st 1950 to August 31st 1951. Sutton Bonington, U. Nottingham.Sch. Agr.,1952. 24 p. 47.9 N842

34952 SHRADER, H. L. Turkey broilers. Poultry Comment 9(5):2-3. Dec.1952. 47.8 D92

34953 SMITH, J. H. The poultry industry of Britain. Poultry Assoc. Gt. Brit. Ybk. 1953:61-66. 47.9 P864Y

34954 SOTO RODRIGUEZ, J. L. El "Registrador Vega" de interés nacional? Reus Avíc. 1:111. Sept.1, 1952. 47.8 R31

34955 SOUTHERN STATES COOPERATIVE. Making poultry pay the Southern States way; a guide to profitable poultry feeding and management. Richmond,1952. 81 p. 281.347 So8
Care.

34956 SPREHN, C. Gesunderhaltung und zeitgemässe ernährung des geflügels. Deut. Kleintier-Züchter. Ausg. Geflügel 7(23):4-6. (Concl.) Ref. Dec.5,1952. 47.8 D484

34957 STACEY, C. G. Egg structure: effects on hatching of shape and size. Poultry World 92:88. Jan.22, 1953. 47.8 P8682

34958 TERMOHLEN, W. D. Seven steps to better eggs. Poultry Supply Dealer 29(9):14-15. Sept.1952. 47.8 B11

34959 THOMPSON, W. C. From chick to hen—good management practices. Rur. New-Yorker 103:114-115. Feb.7,1953. 6 R88

34960 U. S. BUR. OF ANIMAL INDUSTRY. Directory of U.S.R.O.P. breeders qualifying for the U. S. Register of Merit breeding stage, 1950-51. U. S. Bur. Anim. Indus. A. H. D. 122,rev.,14 p. Sept.1952. 1.9 An52An

34961 U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries and dealers participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 36(sup. 1),3 p. Jan.1953. 1.9 An52Ah

34962 WALFORD, E. S. Don't let them die in 1953! Everybodys Poultry Mag. 58(2):10,34-37. Feb.1953. 47.8 F213P
Chicks.

34963 WALL, D. Poultry work—MSC style. Mont. State Col. Farmer 6:8,17-18. Dec.1952. 276.8 M76

34964 WALTNER, R. Bericht über die hühnerleistungsprüfungen der Landwirtschaftskammer für Niederösterreich und Wien in Korneuburg in den legejahren 1949/50 und 1950/51. Landwirtschaft 23/24:371-375. (Concl.) Dec.1952. 19 L235

34965 WHEELER, R. S. The Georgia Broiler Test. Soeast. Poultryman 6(1):41,115-116. Jan.1953. 47.8 So872

34966 WILKINS, W. G. Duck farming in 1952. Poultry Assoc. Gt. Brit. Ybk. 1953:82-85. 47.9 P864Y

34967 WOLFE, T. K. "Keep them comfortable," says Housh. Turkey World 28(2):24-25,77-79. Feb.1953. 47.38 T84

34968 ZUMBRO, P. B. Many changes in ROP. Hatchery & Feed 27(2):56-57. Feb.1953. 47.8 H28

34969 ZUMBRO, P. B. Second year of meat production test given. Hatchery & Feed 27(2):66-68. Feb.1953. 47.8 H28

34970 ZURTH, E. Zwischen V und—. Deut. Kleintier-Züchter. Ausg. Geflügel 7(20):7-8. Oct.20,1952. 47.8 D484
Poultry judging.

RABBITS

Breeds and Breeding

34971 CREMER, F. Judging Dutch. Calif. Rabbits Mag. 16(7):11,20-21. Feb.1953. 40.28 Sa5

34972 FRASER, A. S. A note on the growth of the Rex and Angora coats. J. Genet. 51:237-242. Jan.1953. 442.8 J823

34973 HORNLEIN, A. Eigenart und beschaffenheit des Englischen Widder. Thür. Kleintierzüchter 6:402-403. Dec.10,1952. 49 T42

34974 HORNLEIN, A. Englische Widderkaninchen. Deut. Kleintier-Züchter 7(20):9-10. Oct.20,1952. 49 D483

34975 MURRAY, E. W. Breeding and rearing young for commercial use. Small Stock Mag. 37:3. Feb.1953. 48.8 P442
Rabbits.

34976 PIEGSA, E. Woher stammen schwarzsilberkaninchen? Deut. Kleintier-Züchter 7(20):7. Oct.20, 1952. 49 D483

34977 SANDFORD, J. C. Can we produce a strain of rabbits immune to disease? Fur & Feather 116:35. Jan.15,1953. 49 F96

34978 WÄCHTERSHÄUSER, J. Der zuchtrammler. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(2):3. Jan.20, 1953. 40.28 D48

34979 WENT, C. VAN. Die kaninchenzucht in Holland. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(24):6-7. Dec.20,1952. 40.28 D48

34980 WOODGATE, F. G. Rabbits: the Tan. II. All-Pets Mag. 24:104-105. Jan.1953. 48.8 AL5

34981 ZURCH, E. Das Marderkaninchen. Deut. Kleintier-Züchter. Ausg. Kaninchen 7(23):1-2. Dec.5, 1952. 40.28 D48

Feeds and Feeding

34982 GAUDY, C. A. La alimentación de los conejos. Pampa Argentina 25(259,i.e.299):19. Nov.1952. 9 P19

34983 MICHAUX, A. L'influence, sur la croissance du lapin, des sels de fer et de cuivre ajoutés à la ration maternelle pendant la gestation et la lactation. Influence des litières de paille et de foin de luzerne. Acad. d'Agr. de France.Compt. Rend. 39:656-658. Nov.5/12,1952. 14 P215Bc

34984 PROCHNOW, R. Die kaninchenfütterung. Deut. Kleintier-Züchter 7(20):10-11. Oct.20,1952. 49 D483

34985 WIESNER, E. Die aufzucht und ernährung mutterloser kaninchensäuglinge. Arch. f. Tierernähr. 2: 280-286. Mar./Apr.1952. 389.78 Ar22

Veterinary Medicine

34986 EDGAR, G. Is myxomatosis the answer to the rabbit problem in Australia? Inst. Insp. Stock N. S. Wales. Ybk. 1952:89-90. 41.9 In73

34987 TEMPLETON, G. S. Domestic rabbits; rabbit mucoid enteritis. Calif. Rabbit News 1953:3-5. Feb.1953. 40.28 C12

34988 TEMPLETON, G. S. New information on mucoid enteritis in rabbits. Amer. Rabbit J. 23:17-18. Feb.1953. 40.28 Am3

34989 VALLEE, A. Un cas de listériose du lièvre en France. Inst. Pasteur. Ann. 83:832-833. Dec.1952. 448.3 An75

Miscellaneous

34990 ALTIMIRA RAVENTOS, C. Actualidad del conejo. Cult. Mod. 35:373-374. Oct.1952. 15 C89
Rabbit raising.

34991 DYVERDON, C. Récolte et conservation du poil d'Angora. Cour. Hort. 14:684-686. Dec.1952. 80 C834

34992 HARVEY, A. V. Finance and domestic food production. Rabbits 10:3-4. June 1952. 40.28 R114
Work of British Rabbit Council.

34993 HITT, C. H. Culling rabbits and keeping records. Amer. Rabbit J. 23:20. Feb.1953. 40.28 Am3

34994 LAVENGOOD, E. Mistakes to avoid in rabbit production. Amer. Rabbit J. 23:22. Feb.1953. 40.28 Am3

34995 LOCATELLI, C. A. Se evitan grandes perdidas en los conejos si se combate el excesivo calor del verano. Mundo Agr. 4(43):54. Dec.1952. 9 M92

34996 MOSS, E. J. Shearing Angora wool. Amer. Angora News 5(12/13):1-2,7. Dec.1952/Jan.1953. 40.28 Am32

34997 PINE, C. Know your American. Calif. Rabbits Mag. 16(7):9. Feb.1953. 40.28 Sa5
American Rabbit Breeders Association.

34998 WOODGATE, F. G. The Morant system. Rabbits 11:4. July 1952. 40.28 R114
Rabbit housing.

34999 WOODGATE, F. G. Some hints on culling. Rabbits 6:3. (Cont.) Feb.1952. 40.28 R114

SHEEP AND GOATS

Breeds and Breeding

35000 APARICIO SANCHEZ, G., and CARBONERO BRAVO, D. Cruzamiento raza ovina Romney X agrupación Talaverana; ensayo experimental. Arch. de Zootec. 1:303-319. 1952. 49 Ar22
English summary.

35001 ARAN, S. Cabras españolas. Cult. Mod. 35: 380-382. Oct.1952. 15 C89
Breeds.

35002 BUSSE, H. Die rassenmässige zusammensetzung der schafbestände der DDR und die sich daraus ergebenden züchterischen und betriebswirtschaftlichen aufgaben. Tierzucht 6:343-347. Oct.1952. 49 T443

35003 COOP, I. E. Fat lamb sires. Canterbury Chamber Com. Agr. B. 280,4 p. Nov.1952. 23 C162
Breeds.

35004 COWAN, W. A. Studies of the effects of pregnant mare serum on the breeding phenomena of the ewe. Mich. U. Diss. Abs. 12:761. 1952. 241.8 M58

35005 DUCK, R. W. The American types and breeds of sheep. Rur. New-Yorker 103:54,62. Jan.17,1953. 6 R88

35006 EASTON, G. S. Cheviot hill sheep. Edinb. and East Scot. Col. Agr. B. 36:7-13. June 1952. 103 Ed4E
Discussion on Cheviot sheep, p. 16-20.

35007 FRASER, A. S. Factors in the genetic determination of fleece structure in sheep. J. Genet. 51:222-236. Ref. Jan.1953. 442.8 J823

35008 HART, D. S., and STEVENS, P. G. Observations on non-nutritional factors affecting fertility in sheep. New Zeal. Soc. Anim. Prod. Proc. 12:67-75. 1952. 49.9 N483
Includes discussion.

35009 HUGO, W. J. The demand and supply of Merino rams in South Africa. Merino Breeders' J. 15:10,12,14. Jan.1953. 45.8 So8

35010 LOLIGER, H. C. Beitrag zum problem der samenstauung bei ziegenböcken. Fortpflanzung u. Besamung der Haustiere 3:6-7. (Cont.) Jan.7,1953. 41.8 F773

35011 MCDOWALL, W. T. Better quality half-bred wool. Farmer & Stock-Breeder 67(3299):52-53. Jan.13, 1953. 10 F228

35012 MCFARLANE, D. Some recently-discovered aspects of ewe abortion and ram sterility. Massey Agr. Col. Sheepfarming Annu. 15:117-122. Nov.1952. 45.9 M38S
Includes discussion.

35013 MACFARLANE, J. Blackface sheep. Edinb. and East Scot. Col. Agr. B. 36:21-25. June 1952. 103 Ed4E
Discussion on Blackface sheep, p. 29-34.

35014 MADSEN, M. A., and others. Sheep breeding and management study shows superiority of Columbia lambs for southern Utah conditions. Farm & Home Sci. [Utah Sta.] 13:77,95-96. Dec.1952. 100 Ut1F
J. A. Bennett, D. H. Matthews, and D. J. Matthews, joint authors.

35015 MARTIN, W. Experiences in herding Cheviot hill sheep during the last sixty years. Edinb. and East Scot. Col. Agr. B. 36:14-16. June 1952. 103 Ed4E
Discussion on Cheviot sheep, p. 16-20.

35016 MUNOZ CANIZARES, R. La cabra Granadina. Tierra [México] 7:757-761. Nov.1952. 8 T445

35017 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Wanted! Many more sheep. IV. The Suffolk's place and function. North. Ireland. Min. Agr. Mon. Agr. Rpt. 27:259-263. Jan.1953. 256.13 Ag82M

35018 OZHIN, F. V. Artificial insemination of sheep. (In Russian.) Sotsialist. Zhivotnovod. 14(10):67-72. Oct. 1952. 49 So71

35019 PERNITZSCH. Stand und zuchtziel der Deutschen Veredelten Landschafrasse. Tierzucht 6:413-415. Dec.1952. 49 T443

35020 POSPELOV, S. P. Importance of age consideration in utilization of animals for breeding. (In Russian.) Zhur. Obshch. Biol. 13:445-454. Ref. Nov./Dec. 1952. 442.8 Z6
Experiments with Karakul sheep.

35021 PUFFENBERGER, C. E. We ought to have more sheep, especially more Oxfords! Sheepman 23:364, 369. Feb.1953. 45.8 Sh32

35022 RAE, A. L. A comparison of various selection plans for sheep improvement. (Sum.) New Zeal. Soc. Anim. Prod. Proc. 12:58-59. 1952. 49.9 N483
For breeding.
Includes discussion.

35023 RIED, L. A. El descubrimiento del celo en los ovinos; su importancia en la inseminacion artificial. Pampa Argentina 25(300):12,31. Dec.1952. 9 P19

35024 RYELAND FLOCK BOOK SOCIETY. The Ryeland flock book, v. 38, 1951-1952. Hereford,Hereford Times,1952. 47 p. 45.9 R98

35025 SARAZA ORTIZ, R. Raza caprina Malagueña. An. de Econ. Pecuaria 3:7-80. Ref. July 1952. 41.9 An1
English summary.

35026 SARAZA ORTIZ, R. Raza caprina Malagueña. Arch. de Zootec. 1:357-386. Ref. 1952. 49 Ar22
English summary.

35027 SAYED, M. I., BLAKESLEE, L. H., and NELSON, R. H. Estrus in sheep and breeding early or out of the normal season. Mich. Agr. Expt. Sta. Q. B. 35: 214-218. Nov.1952. 100 M58S

35028 SCHMIDT, R. Karakulzucht in Österreich? Wien. Tierärztl. Monatsschr. 39:727-741. Ref. Dec.1952. 41.8 T345
English summary.

35029 SINGLETON, R. E. Popularity of Corriedales as dual-purpose sheep in U. S. shown by record registrations. N. Mex. Stockman 18:102. Jan.1953. 49 N462

35030 SMITH, C. S. Halfbreds from the Welsh mountains; a Border-Leicester ram on the small but hardy Welsh Mountain ewe is producing a type of store lamb which may well prove the southern counterpart of the Scotch Halfbred. Farmers Wk. [London] 38(5):56-57. Jan. 30,1953. 10 F2226

35031 STONE, F. C. Our fat lamb breeding industry. Westralian Farmers' Co-op Gaz. 23:99,101. Sept.1952. 280.28 W522

35032 VAINIKAINEN, V., and HAKOLA, R. Uber die wolle des Finnischen schafes und die äusseren vorbedingungen ihrer erzeugung. (In Finnish.) Suomen Maataloustiet. Seura. Maatalaloustiet. Aikakausk. 24:156-164. 1952. 20 Su7M
German summary.

35033 VON BORSTEL, F., and BARTON, R. A. A comparison of the shoulder conformation of Cheviot and Romney sheep. Massey Agr. Col. Sheepfarming Annu. 15: 49,51-53,55-58,60. Nov.1952. 45.9 M38S

35034 WALLACE, L. R. Augmentation of fertility in sheep. New Zeal. Soc. Anim. Prod. Proc. 12:61-66. 1952. 49.9 N483
Includes discussion.

35035 WILSON, W. Herding a Blackface hirsel. Edinb. and East Scot. Col. Agr. B. 36:26-28. June 1952. 103 Ed4E
Discussion on Blackface sheep, p. 29-34.

Feeds and Feeding

35036 ARMSTRONG, D. G., and THOMAS, B. Tethered sheep for moorland experiments. Scot. Agr. 32:150-152. Winter 1952/53. 10 Sco82So

35037 BUCHANAN, A. R. Rearing hoggets on special-purpose H1-clover pastures. Massey Agr. Col. Sheep-farming Annu. 15:123-129,131-136. Nov.1952. 45.9 M38S

35038 CHAPLES, G. Let's feed our sheep. Inst. Insp. Stock N. S. Wales. Ybk. 1952:39,41,43. 41.9 In73

35039 GILCH. Winterfütterung der ziegen. Deut. Kleintier-Züchter 7(20):1-2. Oct.20,1952. 49 D483

35040 JANKOWSKI, S. The influence of intensive feeding of pregnant ewes upon the development and vitality of lambs. (In Polish.) Rocz. Nauk Roln. 61:103-110. 1952. 20.5 R59
English summary.

35041 KRIEK, S. Australia improves its grazing. (In Afrikaans.) Landbouweekblad 34(1738):9-10. Nov.5, 1952. 24 L232
Sheep production.

35042 LEWY VAN SEVEREN, M. La hoja de huerta en la alimentación del ganado. Rev. Ganad. [San Salvador] 11(149):15-17. Nov./Dec.1952. 8 R3292
Experimental feeding to goats.

35043 MAZERAN, P. L'alimentation, la sélection et l'hygiéne sont les principaux facteurs de l'amélioration du rendement laitier. Rev. de l'Elevage 7:699. (Cont.) Dec.1952. 49 B462
Sheep.

35044 PODESTA, P. R. Alimentación y determinación del peso de los ovinos. Pampa Argentina 25(300): 18-19. Dec.1952. 9 P19

35045 QUANDT. Etwas über die winterweide der schafe. Tierzucht 6:411-412. Dec.1952. 49 T443

35046 ROTHERY, P., BELL, J. M., and SPINKS, J. W. T. Cobalt and vitamin B_{12} in sheep. J. Nutr. 49:173-181. Ref. Jan.10,1953. 389.8 J82

35047 SIEVERT, C. W. Kid-rearing with dry skim milk. Dairy Goat J. 31(2):9-10. Feb.1953. 40.18 M592

35048 STEVENS, P. G., and COOP, I. E. Silage for sheep. Canterbury Chamber Com. Agr. B. 279,4 p. Oct. 1952. 23 C162

35049 THOMSON, W. Feeding the in-lamb ewe. Scot. Agr. 32:120-124. Winter 1952/53. 10 Sco82So

35050 WATERMAN, E. M. Science & laine. Mouton 7:121-122. Dec.1952. 45.8 M86
Research in nutrition and care of sheep.

35051 ZAMIR, D. Winter grazing of sheep. (In Hebrew.) Hassadeh 33:105-106. Nov.1952. 26 H27

Veterinary Medicine

35052 BARBARO, A. D'A. The sensitivity to sulfanilamides of the ciliated populations in the rumen of sheep "in vitro." (In Italian.) Zootec. e Vet. 7(2):20-24. Feb.1952. 41.8 Z7
English summary.

35053 BYRNE, K. V. Botulism in sheep. Inst. Insp. Stock N. S. Wales. Ybk 1952:49,51-52. 41.9 In73
In sheep and cattle.

35054 DUJARRIC DE LA RIVIÈRE, R., EYQUEM, A., and MILLOT, P. Les groupes sanguins des moutons. Inst. Pasteur. Ann. 83:576-581. Nov.1952. 448.3 An75

35055 DYER, A. J. Lambs are saved during pregnancy. Sheep Breeder 73(2):6-7. Feb.1953. 45.8 Am31

35056 ENDREJAT, E. Eine rückschau auf forschung und bekämpfung der wichtigsten schafkrankheiten in Deutschland in den letzten 60 jahren. Deut. Tierärztl. Wchnschr. 60:32-35. Jan.7,1953. 41.8 D482

35057 ENGARD, P. T. Controlling disease in the farm sheep flock. Sowest. Vet. 6:124-130. Winter 1953. 41.8 So82

35058 GALINDO, A. Gestación, parto y lactancia del ganado lanar. Ceres [Valladolid] 18(199):23,25. Jan.1, 1953. 15 C33

35059 GRAY, M. L., and MOORE, G. R. Aureomycin in the treatment of ovine and bovine listeriosis, with notes on survival. No. Amer. Vet. 34:99-105. Ref. Feb. 1953. 41.8 N812

35060 HARDING, W. B. A fatal uraemia in sheep; suspected sorrel [Oxalis corniculata] (oxalic acid) poisoning. Inst. Insp. Stock N. S. Wales. Ybk. 1952:53,55,57,59-60. 41.9 In73

35061 HART, D. S. Additional photoperiodic response in sheep. Nature [London] 171:133-134. Jan.17,1953. 472 N21

35062 HOFFMANN, J. A. Acephalus acardius bipes, eine seltene ziegenmissgeburt. Berlin. u. Münch. Tierärztl. Wchnschr. 66:27-28. (Cont.) (Ref.) Jan.15,1953. 41.8 B45

35063 HONEKER, A. 60 jahre ziegenkrankheiten. Deut. Tierärztl. Wchnschr. 60:28-31. Jan.7,1953. 41.8 D482

35064 HOVERSLAND, A., and VAN HORN, J. L. Weights of experimental range ewe. Mont. Wool Grower 27(2):17. Feb.1953. 45.8 M762

35065 HUNTER, G. C., and QUENOUILLE, M. H. A statistical examination of the worm egg count sampling technique for sheep. J. Helminthol. 26:157-170. 1952. 436.8 J82

35066 JONES, T. R. The lesser liver-fluke (Dicrocoelium dendriticum). Inst. Insp. Stock N. S. Wales. Ybk. 1952:45. 41.9 In73

35067 KEMPER, H. E. Sheep scab. U. S. D. A. Farmers' B. 713,rev.,26 p. Oct.1952. 1 Ag84F

35068 KUTUMZHIEV, I. New method of coloring the organism of contagious agalactia [in sheep and goats]. (In Italian.) Zooprofilassi 7:457-460. Oct.1952. 41.8 Z72

35069 LOPEZ ARANGUREN, J. El pastoreo en campos inadecuados facilita la infestación parasitaria en los lanares. Mundo Agr. 4(43):82. Dec.1952. 9 M92
Verminous gastroenteritis.

35070 MADDEN, F. J. Acute fluke infestation: carbon tetrachloride in large doses. Inst. Insp. Stock N. S. Wales Ybk. 1952:47-48. 41.9 In73
In sheep.

35071 MITSCHERLICH, E., GURTURK, S., and KOHLER, H. Die lämmerruhr (Cl. welchii-intoxikation) in Deutschland. Berlin. u. Munch. Tierarztl. Wchnschr. 66:1-3. Ref. Jan.1953. 41.8 B45

35072 MOUREU. Intoxication des moutons par la moutarde noire. Mouton 8:5. Jan.1953. 45.8 M86

35073 MOUREU. Traitement des mammites chez la brebis. Mouton 7:127. Dec.1952. 45.8 M86

35074 PERCIVAL, R. C., and others. Aureomycin in the treatment of experimental Clostridium chauvoei infection in sheep. Cornell Vet. 43:92-99. Jan.1953. 41.8 C81
J. D. Leaming, F. V. Martini, and G. Tonelli, joint authors.

35075 POPE, A. L. Avoid pregnancy disease now. Wis. Coop. Wool Growers News 18(5):4. Dec.1952. 280.28 W882

35076 PRIER, J. E., THOMAS, R. M., and BINGHAM, D. A. Intramuscular bacitracin therapy in sheep. Cornell Vet. 43:38-43. Jan.1953. 41.8 C81
Treatment of hemorrhagic septicemia.

35077 REID, W. S. The modified Mules operation for the control of blowfly strike in sheep. So. Austral. Dept. Agr. J. 56:220-231. Dec.1952. 23 So84

35078 RICHARDS, B., and WOOLSEY, J. H. Liver fluke and black disease. Calif. Livestock News 28(4):5. Jan.27,1953. 45.8 C12
Sheep.

35079 SCHNEIDER, F. L. A history of sheep scabies eradication in N. M. N. Mex. Stockman 18:26,98. Jan. 1953. 49 N462

35080 SCOTT, G. R. Scrapie. Vet. Sci. News 6(4):6-7. Ref. Jan.15,1953. 41.8 V6492

35081 SEGHETTI, L. Treatment of sore eyes in lambs. Mont. Wool Grower 27(2):6. Feb.1953. 45.8 M762

35082 STAMP, J. T., and STEWART, J. Haemolytic anaemia with jaundice in sheep. J. Compar. Path. & Ther. 63:48-52. Jan.1953. 41.8 J82

35083 STONE, E. C., ADAMS, M. F., and DICKSON, W. M. Electrophotometric determination of osmotic resistance of ovine erythrocytes. Cornell Vet. 43:3-9. Ref. Jan.1953. 41.8 C81

35084 WARD, G. W. Drenching in worm control. Westralian Farmers' Co-op Gaz. 23:124-125. Sept. 1952. 280.28 W522
In sheep.

35085 ZARROW, M. X., and others. Effect of insulin and epinephrine on the eosinophil and blood glucose levels in sheep; lack of diurnal rhythm. Amer. J. Physiol. 171:636-640. Ref. Dec.1952. 447.8 Am3
M. E. Denison, B. Rosenberg, D. E. Mann, and G. M. Neher, joint authors.

Miscellaneous

35086 ASSOCIATION FRANÇAISE DE ZOOTECHNIE. Aux journées d'études sur le mouton. Rev. de l'Élevage 8:70-71. Jan.1953. 49 B462

35087 BARNICOAT, C. R. Milk production of the ewe. New Zeal. Soc. Anim. Prod. Proc. 12:115-120. 1952. 49.9 N483

35088 BONNEMENT, G. La sélection laitière dans les troupeaux inscrits. Mouton 7:125. Dec.1952. 45.8 M86

35089 COMMUNAL, and ADROVER, C. La finesse de la laine en Algérie. Elevage et Cult. 4(48):19,22. Dec.1952. 24 EL2

35090 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. Hill sheep husbandry in the Scottish borders; the proceedings of a Conference of Farmers held in the Tait Hall, Kelso, Roxburghshire, on Tuesday, 8th January 1952: 2 p.m. to 5 p.m. and 6.30 p.m. to 8.30 p.m. Edinb. and East Scot. Col. Agr. B. 36,54 p. June 1952. 103 Ed4E

35091 JOURDAIN, C. Comment pratiquer l'abatage familial du mouton. Mouton 7:131. Dec.1952. 45.8 M86

35092 LALLOUR, M. Un quart de siécle d'aide à l'elevage du mouton. Mouton 8:1-2. Jan.1953. 45.8 M86
Work of Union Ovine de France and Union Ovines Nord-Africaine & Coloniale.

35093 MAOLI, G. The flock of sheep on a large farm intensively cultivated in the Roman countryside. (In Italian.) Riv. di Zootec. 25:367-371. Dec.1952. 49 R52

35094 MASSEY AGRICULTURAL COLLEGE. Sheep-farming annual, 1952; including the proceedings of the fifteenth annual meeting of sheepfarmers conducted by Massey Agricultural College, Palmerston North, on June 3, 4 and 5, 1952. Palmerston North,1952. 171 p. 45.9 M38S

35095 MEESTER, J. Ignorance and the jackal menace. Veldtrust 13(10):18-19,21. Oct.1952. 56.8 V54
Sheep.

35096 MILIC, L. A contribution to the understanding of movement of sheep in Macedonia—organization of itinerary on the State estates of Macedonian Peoples Republic. (In Serbo-Croatian.) Stočarstvo 6:337-350. Aug. 1952. 43.8 St6

35097 NEVZOROV, G. A. Development of sheep production on collective farms of Balashov District [in Saratov Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(10): 63-66. Oct.1952. 49 So71

35098 PEREIRA, G., and RODRIGUES, A. C. Sheep population from the Terra Fria of Braganza. (In Portuguese.) Portugal. Dir. Geral dos Serv. Pecuários. B. Pecuário 20(2):1-57. 1952. 41.8 P83

35099 SCHIRWITZ, G. Ist ein schafleistungsbuch notwendig? Tierzucht 6:347-348. Oct.1952. 49 T443

35100 THOMSON, G. The management of a hill farm. Edinb. and East Scot. Col. Agr. B. 36:41-52. June 1952. 103 Ed4E
Includes discussion.

35101 WENTWORTH, E. N. New Mexico and mutton for the developing West. N. Mex. Stockman 18:4-5. Jan. 1953. 49 N462

SWINE

Breeds and Breeding

35102 DEAMBROSIS, J.R. Los cruzamientos en cerdos. Uruguay. Min. de Ganad. y Agr. B. Inform. 9 (444):5. Dec.4,1952. 9.9 G15B

35103 FEDELI. Provincial races of swine for breeding. (In Italian.) Riv. di Zootec. 25:377-378. Dec.1952. 49 R52

35104 FORTNER, J., and WELLMANN, G. Auf dem wege zur selektion rotlaufresistenter schweine. Monatsh. f. Prakt. Tierheilk. 4:448-454. 1952. 41.8 M74

35105 FRÖLICH. Wirtschaftliche zuchtsauenhaltung. Deut. Landwirt.-Gesell. Mitt. 68:5-6. Jan.1,1953. 18 N39

35106 JANICKI, M. A., and OSINSKA, Z. Industrial utility of "Puławy breed" hogs. (In Polish.) Rocz. Nauk Roln. 61:5-26. Ref. 1952. 20.5 R59
English summary.
Carcass quality.

35107 MANN, T., and LEONE, E. Studies on the metabolism of semen. 8. Ergothioneine as a normal constituent of boar seminal plasma; purification and crystallization; site of formation and function. Biochem. J. 53:140-148. Ref. Jan.1953. 382 B52

35108 MUSSAT, J. Observer et voir qualites maitresses en élevage. Rev. de l'Elevage 7:703,705. Dec. 1952. 49 B462
Breeding hogs.

35109 OJALA, A. Achievements and future objectives of our hog breeding. (In Swedish.) Svinet 32:9-11. Dec. 1952. 46.8 Sv32
In Finland.

35110 OLIVEIRA, J. V. DE. Information on the Wessex Saddleback breed. (In Portuguese.) Granja [Porto Alegre] 8(65/66):90-91. Aug./Sept.1952. 9.2 G76

35111 SCHMIDT, J. Comment choisir les reproducteurs sur leur descendance; l'épreuve de la descendance chez les porcins. Rev. de l'Élevage 8:74-75. Jan.1953. 49 B462
Summary of reports at a conference of the Fédération Européenne de Zootechnie.

35112 TILGNER, D. J., and OSINSKA, Z. The industrial utility of F_1 Puławska and Large White hybrids. (In Polish.) Rocz. Nauk Roln. 61:27-46. Ref. 1952. 20.5 R59
English summary.
Swine carcasses.

35113 TROG, W. Verbesserung der aufzuchtergebnisse in der schweinezucht. Deut. Landwirt.-Gesell. Mitt. 67:990-991. Dec.25,1952. 18 N39

35114 TRULSSON, G. Many breeding animals sold; the hog industry during the year 1952. (In Swedish.) Lantmannen 37:80-82. Jan.24,1953. 11 L234

35115 WARREN, W. M. An optimum weighting of components of performance in selecting for heterosis in swine. Mich. U. Diss. Abs. 12:764-765. 1952. 241.8 M58

35116 WILKE, A. Beitrag zur frage der heterospermen befruchtung bei landwirtschaftlichen nutztieren. Tierzucht 6:410-411. Dec.1952. 49 T443
Hogs.

35117 WRIGHT, R. Inbreds prove worth in crossing. Purdue Agr. 44(2):6-7,16. Nov.1952. 6 P97
Swine breeding.

Feeds and Feeding

35118 BRETT, C. E. B. Ad lib v. restricted feeding. Pig Breeders' Gaz. 72:47. Jan.1953. 46.8 N21

35119 BRÜGGEMANN, H. Vitamin B_{12} und antibiotika in der schweinefütterung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:211-212. Feb.5,1953. 18 L2346

35120 BUKIN, V. N. Relation of nutritive value of proteins to vitamins. (In Russian.) In Akademiîà Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khoziàîstve, p.220-231. Moskva,1952. 387.1 Ak12
Experiments with swine and poultry.

35121 DUNKIN, A. C. Fodder-beet for pigs. Empire J. Expt. Agr. 20:274-282. Oct.1952. 10 Em7

35122 FORSHAW, R. P. Proper hog feeding means money in the bank. Macdonald Farm J. 13(4):6-8. Dec.1952. 101 M144

35123 FREDRICSON, O. Animal protein in the feeding of fattening hogs. (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn. 4:47-48. Aug.1952. 11 Sk1

35124 GANTZE, P. Vergleichender mastversuch zwischen Veredelten Landschweinen, Berkshires und ihrer gebrauchskreuzung. Leipzig. U. Wiss. Z. 2:124-125. 1951/52. 509 L532

35125 GRUMMER, R. H. What's the future of milk substitutes for pigs? Vet. Sci. News 6(4):10-11. Jan.15, 1953. 41.8 V6492

35126 HIMEBAUGH, K. Pork production in the Tropics. Foreign Agr. 17:7-9. Jan.1953. 1.9 Ec7For
Ramie as a forage crop for pigs in Central America.

35127 HOFMANN, F., and KURBS, R. Mastleistungsprüfungen 1951/1952. Tierzucht 6:335-341. Oct.1952. 49 T443

35128 HORNICH. Richtige verwendung des kraftfutters im schweinestall. Salzburger Bauer 7(48):6-7. Nov.27,1952. 19 Sa3

35129 HORNICH, H. Welches eiweissfutter füttert man an schweine? Salzburger Bauer 7(43):1-3. Oct. 23,1952. 19 Sa3

35130 JEAN-BLAIN, M. Quelques aspects de la production porcine. Path. Gén. 52:606-607. Nov.1952. 448.8 R326
Chiefly feeding.

35131 KIRSCH. Prof. J. Moustgaard (Dänemark) gibt zahlen für den vitamin B-bedarf wachsender schweine und den vitamin B-gehalt der wichtigsten futtermittel. Futter u. Fütterung 23:175. Oct.1952. 389.78 F98

35132 KITAEV, V. N. Utilization of thiouracil and methylthiouracil in swine nutrition. (In Russian.) Uspekhi Sovrem. Biol. 34:448-452. Ref. Nov./Dec.1952. 442.8 Er3

35133 KORTAN, L., and O'CONNELL, J. Swine feeding and management throughout the year. S. Dak. State Col. Agr. Ext. C. 485,8 p. Nov.1952. 275.29 So85

35134 KRÜGER, L., BIEDERMANN, F., and PETZOLD, E. Zwei jahre hessische schweine-mastleistungsprüfung auf dem Oberen Hardthof bei Giessen. Tierzüchter 5:37-38. Jan.20,1953. 49 T445

35135 LASSOTA, L. The utilization of nutrients by young pigs during the first five weeks of life. (In Polish.) Rocz. Nauk Roln. 61:63-81. Ref. 1952. 20.5 R59
English summary.
Swine's milk substitutes.

35136 LLOYD, E. W. Don't starve in-pig sows. Mod. Poultry Keeping 68:94. Jan.28,1953. 47.8 Eg3

35137 MIHIERE, M. Problème de l'alimentation du porc. Réveil Agr. 62:17. Jan.16,1953. 14 R322

35138 MURATOV, D. G. To organize mass fattening of swine on collective farms. (In Russian.) Sofsialist. Zhivotnovod. 14(10):36-39. Oct.1952. 49 So71

35139 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. The fattening of pigs. North. Ireland. Min. Agr. L. 35,10 p. Dec.1952. 10 N81

35140 OLOFSSON, N. E. Mineral requirements of hogs. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 30:143-144. Dec.1952. 49.9 Sk1

35141 PAPENDICK, K. Die fütterung der mastschweine. Landwirt 1953:118,120. 18 L2342

35142 POLETTI, L. Possibility of reducing the cost of fattening swine. (In Italian.) Riv. di Zootec. 25:363-366. Dec.1952. 49 R52

35143 REID, G. P. Not yet proven. Farmers Wk. [London] 38(4):52-53. Jan.23,1953. 10 F2226
Antibiotics as a supplementary feed for pigs and poultry.

35144 RICHTER, K. Neuere ergebnisse aus dem gebiet der schweinefütterung. Landwirtbl. Weser-Ems 99:1294-1295. Dec.20,1952. 18 L2345

35145 SCHMIDT, J., and SCHELPER, E. Ergebnisse der ersten beschickung der mastprüfungsanstalt für schweine in Hohenheim. Württemb. Wchnbl. f. Landwirt. 119:1152-1153. Dec.20,1952. 18 W96

35146 SIM, A. H., BROWNING, D. R., and WALSH, W. A. Fodder beet for pig feeding, a comparison of different varieties. Gt. Brit. Min. Agr. Agriculture 59: 469-473. Jan.1953. 10 G79J

35147 TEAGUE, H. S. The effect of vitamin A and other nutritional factors upon the breeding performance of gilts and the prenatal development of their litters. Mich. U. Diss. Abs. 12:770. 1952. 241.8 M58

35148 VIANNA, A. T. Feeding swine. (In Portuguese.) Chacaras e Quintais 86:840-841. Dec.15,1952. 9.2 C34

35149 WUSSOW, W., FUNK, K., and WENIGER, J. Die verdaulichkeit von futterhefe verschiedener herkunft bei der verfütterung an schweine. Arch. f. Tierernähr. 2: 286-291. Mar./Apr.1952. 389.78 Ar22

35150 ZAVORAL, H. G. Rations for swine. Hormel Farmer 16(4):6-7. Dec.15,1952. 49 H782

Veterinary Medicine

35151 APICE, M. D', and PENHA, A. M. Experiencias de sero-vacunación simultánea con vacuna de cristal-violeta por via intradérmica. Rev. de Med. Vet. [Buenos Aires] 34:1-7. Jan./Mar.1952. 41.8 B86
English summary.

35152 BAKER, J. A. Newer methods of hog cholera immunization. Kans. & Mo. Vet. Med. Assoc. Proc. 1952:97-100. 41.9 K133

35153 BECKER, W. Die pathogenität von Toxoplasma gondii für das hausschwein. Monatsh. f. Prakt. Tierheilk. 4:454-458. 1952. 41.8 M74

35154 BERTRAND, M. Quelques maladies nouvelles ou peu connues du porc. Path. Gén. 52:616-619. Nov. 1952. 448.8 R326

35155 BETTS, A. O. Virus pneumonia of pigs. Pig Breeders' Gaz. 72:27-28,31,33. Jan.1953. 46.8 N21

35156 BOLOÑA RODRIGUEZ, J. Se descubre una nueva vacuna que revolucionara el control del colera porcino. Consorcio de Cent. Agr. de Manabi. Rev. 12(72): 19-21. Oct./Dec.1952. 9.5 M31
Swivax.

35157 BRION, A. Que peut-on faire contre la peste porcine? Rev. de l'Elevage 8:154-155. Feb.1953. 49 B462

35158 CASSELBERRY, N. H., and others. Controlled experiment to test duration of immunity against hog cholera induced in pigs vaccinated with sterile tissue cultured vaccine and serum. Vet. Med. 48:48-50,60. Feb. 1953. 41.8 M69
W. A. Malmquist, W. W. Walker, R. B. Houlihan, and W. H. Boynton, joint authors.

35159 CORREA, O., and GLOSS, R. Spontaneous elimination of Metastrongylus sp. by swine. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(14): 28-29. Sept.1952. 49.9 R47

35160 CORRIAS, A. Control of heat in pigs through estrogens. (In Italian.) Prog. Vet. 7:757-758,760,762-764,766,768,770,772-774,776. Nov.15,1952. 41.8 P942

35161 COTCHIN, E., and HAYWARD, A. Streptococcal endocarditis in a pig following intravenous injection of an organism from a natural case. J. Compar. Path. & Ther. 63:68-73. Jan.1953. 41.8 J82

35162 DAVIDSON, H. R. Weighing pigs is the only way. Farmer & Stock-Breeder 67(3300):56-57. Jan.20, 1953. 10 F228

35163 DOMINGUES, O. Good swine have good teats. (In Portuguese.) Granja [Porto Alegre] 8(65/66):91. Aug./Sept.1952. 9.2 G76

35164 EISMA, W. A. Hog cholera. (In Dutch.) Tijdschr. v. Diergeneesk. 78:34-44. Jan.1,1953. 41.8 T431
English summary.

35165 EUZEBY. Parasites et maladies parasitaires du porc. Path. Gén. 52:613-615. Nov.1952. 448.8 R326

35166 EVELETH, D. F. Avian tuberculosis control—in swine, poultry. N. Dak. Agr. Col. Ext. C. A-177,4 p.-folder. May 1952. 275.29 N812Sa

35167 EVELETH, D. F., GOLDSBY, A. I., and TURN, J. Listeriosis of swine. Vet. Med. 48:82-83. Feb.1953. 41.8 M69

35168 GARCIA VALENCIA, E. Sarna del cerdo. Soc. Antioqueña de Agr. B. Agr. 387:3532-3533. July 1952. 9.4 So1

35169 GEIGER, W., and POPPE, H. H. Weitere untersuchungen und versuche mit kristall-violett-vakzine (KVV) bei schweinepest. Berlin. u. Munch. Tierarztl. Wchnschr. 66:6-12. Jan.1953. 41.8 B45

35170 GEYER, H. G., and GOLDSTEIN, H. E. Anthrax in Ohio swine. Sowest. Vet. 6:146-148. Winter 1953. 41.8 So82

35171 GLÄSSER, K. 60 jahre schweinekrankheiten. Deut. Tierärztl. Wchnschr. 60:22-28. Jan.7,1953. 41.8 D482

35172 GOODMAN, D. C. Quantitative studies on the distribution of lipids in the bone marrow of the rat, pig, and cat. Kans. Acad. Sci. Trans. 55:214-222. June 1952. 500 K13T

35173 HARTWIGK, H. Uber infektiöse darmerkrankungen des ferkels. Tierärztl. Umschau 8:5-8. Ref. Jan.1953. 41.8 T445

35174 HELMBOLDT, C. F., HALE, H. H., and WINN, J. D. Coliform mastitis in swine, a case report. Vet. Med. 48:80-81. Feb.1953. 41.8 M69

35175 HOERLEIN, A. B. Criteria for evaluation of a swine brucellosis program. Iowa State Col. Vet. 15:17-19. 1953. 41.8 V6425

35176 HOERLEIN, A. B. Studies on swine brucellosis. III. The differentiation of specific and nonspecific agglutination titers. Cornell Vet. 43:28-37. Jan.1953. 41.8 C81

35177 HUPKA, E. Ist der enzootische herztod eine folge von fütterungsfehlern? Futter u. Fütterung 25: 185-186. Dec.1952. 389.78 F98
In swine.

35178 JOUBERT. Données récentes sur le rouget de porc. Path. Gén. 52:608-609. Nov.1952. 448.8 R326

35179 KEILHOLZ, F. J. We have too many sick hogs. Country Gent. 123(2):36-37,121-122. Feb.1953. 6 C833

35180 KIELHOLZ, F. La erradicación del colera porcino. Tierra [México] 7:730. Nov.1952. 8 T445

35181 KMENT, A., and WILLINGER, H. Weitere versuchsergebnisse bei der hormonalen sterilisation (kastration) männlicher schweine. Wien. Tierärztl. Monatsschr. 39:744-745. Dec.1952. 41.8 T345
English summary.

35182 MACHTS, K. Schweinezucht und schweinekrankheiten. Wien. Tierärztl. Monatsschr. 39:746-758. (Concl.) Ref. Dec.1952. 41.8 T345
Teschen disease.

35183 MCINTOSH, B. M. The propagation of African swine fever virus in the embryonated hen's egg. So. African Vet. Med. Assoc. J. 23:217-220. Ref. Dec.1952. 41.8 So8

35184 MCNUTT, S. H., and BURCH, C. W. The initial outbreak of vesicular exanthema in Wisconsin and it's "control"! Vet. Sci. News 6(4):4-5. Jan.15,1953. 41.8 V6492

35185 MAREK, J., HEGYELI, Z., and SÁNTHA, S. Wirkung der in getrockneter bierhefe enthaltenen vitamine und enzyme auf den organismus der schweine und auf die qualität und quantität des vom schweineblut hergestellten serums. Acta Vet. 2:259-270. 1952. 41.8 Ac83

35186 MOHR, F. Vererbte zwitterbildung beim schwein. Tierärztl. Umschau 8:22-23. Ref. Jan.1953. 41.8 T445

35187 MULLER, R. H. The virus complex-aluminum hydroxide-formalin-gel in the profilaxis of hog cholera. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(14):11-13. Sept.1952. 49.9 R47

35188 PETERSEN, W. W. Now—to swine tuberculosis. (In Danish.) Dansk. Landbr. 71:502-503. Oct.16, 1952. 280.28 V91

35189 QUINN, A. H. Disease problems of suckling pigs, their handling and treatment. Iowa State Col. Vet. 15:24-26. 1953. 41.8 V6425

35190 RADVILA, P. Hämagglutination, autolyse und immunisierungsvermögen von schweinerotlaufbazillen. Schweiz. Arch. f. Tierheilk. 95:33-44. Jan.1953. 41.8 Sch9
English summary.

35191 RESSANG, A. Post-mortem diagnosis of hog cholera in 1951-1952. (In Dutch.) Tijdschr. v. Diergeneesk. 78:64-73. Jan.15,1953. 41.8 T431
English summary.

35192 RUBEL, D. Intestinal swine anthrax. Iowa State Col. Vet. 15:13-15. 1953. 41.8 V6425

35193 SCHILDBERGER, K. Schweinelähme u. Tierseuchengesetz. Bauer 5(41):12-14. Nov.22,1952. 19 B32
Austria.

35194 SIPPEL, W. L. Leptospirosis. No. Amer. Vet. 34:111-112. Feb.1953. 41.8 N812
Swine.

35195 THOMSON, A., and GLEDHILL, A. W. The demonstration of the protective value of a swine erysipelas vaccine in pigs. Vet. Rec. 65:40-42. Jan.17,1953. 41.8 V641

35196 VERGE, J. Les grippes animales—la grippe du porc. Path. Gén. 52:641-646. Nov.1952. 448.8 R326
English summary.

35197 WEGENER, K. H. Serologische untersuchungen bei schweinebrucellose. Berlin. u. Münch. Tierärztl. Wchnschr. 66:23-26. Ref. Jan.15,1953. 41.8 B45

35198 WOLFGANG, R. W. Pseudocruzia (Oxyuroidea: Kathlaniidae) a new genus of nematode from domestic swine in India. Canad. J. Zool. 31:16-19. Feb.1953. 470 C16D

Miscellaneous

35199 BERGE, S. Quality of slaughter swine after the last war. (In Norwegian.) Norsk Landbr. 19:32-33. Jan.23,1953. 11 N8122

35200 BRITISH OIL & CAKE MILLS. Final report of the 6th National Pig Litter Test, March 1952-August, 1952. London,1952. 23 p. 46.9 B772

35201 CLAUSENS, H. Growth and bacon quality of the breeding center hogs. (In Danish.) Jydsk Landbr. 34: 894-898. Dec.18,1952. 11 J99

35202 FERRANDO, R. Un des aspects de la vie communautaire du porc: le microbisme de porcherie. Path. Gén. 52:609-610. Nov.1952. 448.8 R326

35203 GONZALEZ CHAPEL, A. Consideraciones sobre la crianza de cerdos en Puerto Rico. Rev. de Agr. P. R. 43:161-167. Jan./June 1952. 8 R325

35204 HANSON, D. How to save more pigs. Successful Farming 51(2):34-35,66. Feb.1953. 6 Su12

35205 HIRSCHFELD, W. K. Ferkelaufzucht und schweinemast. Futter u. Fütterung 24:178-180. Nov. 1952. 389.78 F98

35206 HUBERTS, M. A. J. Raising hogs on mixed farms on sandy soils. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:391-396. Oct.1952. 12 N383M

35207 IDVALL, S. A first class mother sow. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12: 11-13. 1952. 11 K12

35208 JUDD, E. Presenting—1952 PR summary. Duroc News 27(2):18-21,24,67. Feb.1953. 46.8 N212

35209 KUPPELMAYR, E. 1000 sauen im deutschen schweineleistungsbuch. Tierzucht 6:341-342. Oct.1952. 49 T443

35210 PETERSEN, W. W. Would it be possible to reduce the rejection percentage at our swine slaughterhouses and in that way save values for our export? (In Danish.) Dansk Landbr. 72:28-30. Jan.15,1953. 280.28 V91
Care and diseases of hogs.

35211 PLAGER, C. Blue chip hogs. Amer. Hampshire Herdsman 28(2):30,32. Feb.1953. 46.8 Am33
For meat production.

35212 PR HERD futurity testing. Amer. Hampshire Herdsman 28(2):6-7,53. Feb.1953. 46.8 Am33

35213 PRICE, W. T. The housing of the pig. Pig Breeders' Gaz. 72:19,21,23,25. Jan.1953. 46.8 N21

35214 ROF CODINA, J. Los mataderos industriales en Galicia. Cult. Mod. 35:457-458. Dec.1952. 15 C89
Swine.

35215 SMITH, D. M. Milk production in the sow. New Zeal. Soc. Anim. Prod. Proc. 12:102-114. Ref. 1952. 49.9 N483

35216 TARVER, R. Pigs for projects. Hog Breeder 28(2):3,18. Feb.1953. 46.8 H672
4-H Clubs.

ENTOMOLOGY

GENERAL

35217 AUCLAIR, J. L., and DUBREUIL, R. Etude sur les acides aminés libres de l'hémolymphe des insectes par la méthode de chromatographie sur papier filtre. Canad. J. Zool. 31:30-41. Ref. Feb.1953. 470 C16D

35218 CHEESMAN, L. E. Insects indomitable. London,Bell,1952. 205 p. 422 C41I

35219 CLOUDSLEY-THOMPSON, J. L. A note on the littoral terrestrial arthropods of the Isle of Man. Entomologist 86:11-12. Jan.1953. 421 En8

35220 CONCI, C. The White Sands, morphology and fauna. (In Italian.) Doriana 1(24),12 p. Ref. June 20, 1952. 410 D73
Cave fauna.

35221 DINTHER, J. B. M. VAN. Details about some flytraps and their application to biological research. Ent. Ber. 14:201-204. Jan.1,1953. 420 N38B

35222 FERRIS, G. F. On the comparative morphology of the Annulata, a summing up. Microentomology 18:2-15. Ref. Jan.1,1953. 421 M58
Including insects.

35223 GLYNNE-WILLIAMS, J., and HOBART, J. Studies on the crevice fauna of a selected shore in Anglesey. Zool. Soc. London. Proc. 122:797-824. Ref. Nov.1952. 410.9 L84P
Includes arthropods.

35224 GRAHAM, P. Identification of stomach contents of some Central African insectivorous birds. Ent. Mon. Mag. 89:24. Jan.1953. 421 En86

35225 GRAY, H. E. Insects observed at sea. J. Econ. Ent. 45:1081. Dec.1952. 421 J822

35226 GURNEY, A. B. Approved additions to common name list, and one proposed change. J. Econ. Ent. 45:1114. Dec.1952. 421 J822

35227 HIESTAND, W. A., and STEMLER, F. W. Rapidly acquired tolerance of insects to anoxia. Physiol. Compar. et Oecologia 2:362-370. Ref. June 30,1952. 444.8 P56

35228 HOCKING, B. Plastic embedding of insects—a simplified technique. Canad. Ent. 85:14-18. Ref. Jan. 1953. 421 C16

35229 JONG, C. DE. Entomological notes III. (In Dutch.) Ent. Ber. 14:170-171. Nov.1,1952. 420 N38B

35230 JUDD, W. W. Mammal host records of Acarina and Insecta from the vicinity of London, Ontario. J. Mammal. 34:137-139. Feb.1953. 410 J823

35231 KAISILA, J. Insects from Arctic mountain snows. Suomen Hyonteistieteellinen Aikakausk. 18:8-25. 1952. 421 Su7

35232 KERSHAW, S. H. Blocks versus boards. Ent. Rec. & J. Variation 65:22-23. Jan.15,1953. 421 En89

35233 KNOWLTON, G. F., and WRAY, D. L. Shuttle service with honey-sample shipping tubes. Brooklyn Ent. Soc. B. 48:9. Feb.1953. 420 B79
For sending insect specimens through the mail.

35234 KUSCHEL, G. Los insectos de las Islas Juan Fernandez. Introduccion. Rev. Chilena de Ent. 2:3-6. Ref. Dec.19,1952. 421 R329

35235 NAST, J. Achievements and the present state of the entomological investigations in Poland with a scheme of their future progress. (In Polish.) Polskie Pismo Ent. 21:162-177. 1951,pub.1952. 421 P76
English summary.

35236 NIJVELDT, W. The gall inventory of certain districts of the Netherlands. (In Dutch.) Ent. Ber. 14: 168-169. Nov.1,1952. 420 N38B

35237 PIC, M. Descripteurs, méfiez-vous des importations. Entomologiste 8:71-72. 1952. 421 En814

35238 ROCKSTEIN, M., and INASHIMA, M. D. Enzymes in insects: alkaline phosphatase. Brooklyn Ent. Soc. B. 48:20-23. Feb.1953. 420 B79

35239 ROTH, A. R., and HOFFMAN, R. A. A new method of tagging insects with P^{32}. J. Econ. Ent. 45: 1091. Dec.1952. 421 J822

35240 SCHATZ, L. The development and differentiation of arthropod procuticle: staining. Ent. Soc. Amer. Ann. 45:678-686. Ref. Dec.1952. 420 En82

35241 SCHOLANDER, P. F., and others. Climatic adaptation in Arctic and tropical poikilotherms. Physiol. Zool. 26:67-92. Ref. Jan.1953. 410 P56
W. Flagg, V. Walters, and L. Irving, joint authors.
Includes insects.

35242 SCHULER, L. Des pièges naturels. Entomologiste 8:111-113. 1952. 421 En814

35243 SERRANO, A. DE M. A survey of the Lago District. (In Portuguese.) Inst. de Med. Trop. An. 8:645-687. Dec.1951. 448.9 L68
Includes insects and plants.

35244 SOUTHGATE, B. J. A convenient method for degreasing insect specimens. Entomologist 86:10. Jan. 1953. 421 En8

35245 STÄRCKE, A. There will never be peace in nomenclature. Ent. Ber. 14:205-206. Jan.1,1953. 420 N38B

35246 TSAO, C. H., and RICHARDS, A. G. Studies on arthropod cuticle. IX. Quantitative effects of diet, age, temperature and humidity on the cuticles of five representative species of insects. Ent. Soc. Amer. Ann. 45: 585-599. Ref. Dec.1952. 420 En82

35247 VAPPULA, N. A. Finnish entomological literature published in 1950 including economic entomology and control of insect pests. Suomen Hyonteistieteellinen Aikakausk. 18(1a),17 p. 1952. 421 Su7

35248 VINSON, J. Quand les entomologistes de réunissent: reminiscences du IXe Congrès International à Amsterdam. Rev. Agr. de l'Ile Maurice 31:200-206. July/Aug.1952. 24 M44

35249 WILLIAMS, C. M. Insect breathing. Sci. Amer. 188(2):28-32. Feb.1953. 470 Sci25

35250 WOOD, S. F., and WOOD, F. D. A water cooler for transporting heat sensitive animals, especially insects. South. Calif. Acad. Sci. B. 51:108-111. Sept./Dec. 1952. 500 So8

35251 XEROS, N. Cytoplasmic polyhedral virus diseases. Nature [London] 170:1073. Dec.20,1952. 472 N21

GENERAL - ECONOMIC

35252 ALDROVANDI, A. Insects of the 1952 beet season. (In Italian.) Indus. Sac. Ital. 45:338-343. Sept./Oct.1952. 65.8 In23

35253 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. Meetings and past presidents. J. Econ. Ent. 45:1110. Dec.1952. 421 J822

35254 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS.PACIFIC BR. Proceedings of the thirty-sixth annual meeting, Santa Barbara, California, June 24, 25, and 26, 1952. J. Econ. Ent. 45:1119-1122. Dec.1952. 421 J822

35255 ANDROIĆ, M. Appearance of some more important insect pests in the forests of the People's Republic of Croatia in 1950-1951. (In Serbo-Croatian.) Zaštita Bilja 11:13-20. 1952. 464.8 Z1
English summary.

35256 AYOUTANTIS, A. J., KORTZAS, C. B., and PÉLÉCASSIS, E. D. Rapport sommaire sur les insectes et autres animaux nuisibles observés en Grèce en 1951. Inst. Phytopath. Benaki. Ann. 6:10-13. 1952. 464.9 At4

35257 BAKKE, A. Pests of spruce cones and spruce seeds. (In Norwegian.) Tidsskr. f. Skogbruk 60:214-217. Sept.1952. 99.8 T432

35258 BANTA, E. S. Those pesky pests! Amer. Fruit Grower 73(2):23,52. Feb.1953. 80 G85

35259 BESS, H. A., SHERMAN, M., and MITCHELL, W. C. Plant, poultry and livestock pests and their control Hawaii. U. Agr. Ext. B. 57,46 p. Dec.1952. 275.29 H312E

35260 BEYER, F. Bekämpfung von schädlingen an wurzelfrüchten. Landwirt. Z. der Nord-Rheinprov. 119: 1365. Dec.13,1952. 18 L2344
Insect pests.

35261 BISHARA, I. The Egyptian cotton crop of 1952 with special reference to insect attacks. Egypt. Cotton Gaz. 17:45-51. Sept.1952. 72.8 Eg9

35262 BISHOPP, F. C. Some pointers on how to use insecticides in grassland farming. Better Farming Methods 25(2):48,50. Feb.1953. 58.8 B46

35263 BLACKALLER, A. El lindano, insecticida de actualidad. Tierra [México] 7:818-819. Dec.1952. 8 T445
Includes a list of insects susceptible to lindane.

35264 BONGIOVANNI, G. C. The phosphoric esters. (In Italian.) Informatore Fitopatol. 2:137-141. Sept.30, 1952. 464.8 In3
Insecticides.

35265 BONNEMAISON, L. Les parasites animaux de la féverole. Agriculture [Paris] 16:271-273. Nov. 1952. 14 Ag823
Insect pests.

35266 BORG, A. News about some of the parasites of oil plants. (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn. 3:32-33. June 1952. 11 Sk1
Chiefly insects.

35267 BOT, J. The action of DDT, hexachlorocyclohexane, chlordane and toxaphene. (Abs.) Acta Leidensia 22:8-25. Ref. 1951,pub.1952. 448.9 L59

35268 BRANDT, H. Möglichkeiten und grenzen der biologischen schädlingsbekämpfung. Tech. f. Bauern. u. Gärt. Ausg. A 4:545-546. Dec.10,1952. 58.8 T223

35269 BROWN, A. W. A. The control of insects by chemicals. Canad. J. Pub. Health 44:1-8. Ref. Jan.1953. 449.8 P964

35270 BROWN, W. B., and HEUSER, S. G. Behaviour of fumigants during vacuum fumigation. I. Penetration of methyl bromide into boxes of dates. J. Sci. Food & Agr. 4:48-57. Jan.1953. 382 So12
For insect control.

35271 BRUNETEAU, J. Défense sanitaire des frontières et désinsectisation des denrées importées. Phytoma 5(43):19-24. Dec.1952. 464.8 P563

35272 CAÑIZO, J. DEL. Las plagas de la remolacha. Siembra [Madrid] 8(11):14-17. Nov.1952. 15 Si1

35273 CARRERAS ALTÉ, A. Importancia de los insecticidas a través de los congresos internacionales. Ion 12:578-586. Nov.1952. 385 Io6

35274 CARTER, W. Injuries to plants caused by insect toxins. II. Bot. Rev. 18:680-721. Ref. Dec.1952. 450 B6527

35275 CARVAJALINO JACOME, I. J. Un producto de trascendental importancia. Soc. Antioqueña de Agr. B. Agr. 391:3721-3722. Nov.1952. 9.4 So1
Pyrenone for insect control in grain.

35276 CATALINA, L. La lucha contra los insectos. Cult. Mod. 35:456. Dec.1952. 15 C89
Biological control.

35277 CLARK, P. G. DDT— miscible or emulsion? Com. Grower 2980:247-248. Feb.5,1953. 80 F941

35278 COOPER, F. A. Dipping is still the best. Farmer & Stock-Breeder 67(3298):54-55. Jan.6,1953. 10 F228
Control of external parasites on sheep.

35279 COYNE, G. F. Insects aren't all bad. Sylva [Toronto] 8(6):21-24. Nov./Dec.1952. 99.8 Sy5

35280 CRAIGHEAD, F. C., and MORRIS, C. L. Possible importance of insects in transmission of oak wilt. Pa. Forests & Waters 4:126-129. Nov./Dec.1952. 99.8 P38

35281 ČUTURILO, S. Insect pests and plant diseases on the Territory of the People's Republic of Serbia in 1951. (In Serbo-Croatian.) Zaštita Bilja 11:21-42. 1952. 464.8 Z1
English summary.

35282 DEAN, H. A. Some beneficial insects of citrus in the Lower Rio Grande Valley of Texas. Rio Grande Val. Hort. Inst. Proc. 7:42-47. 1953. 81 L95

35283 DEBACH, P., and ERICKSON, L. Rooted lemon fruits for citrus pest studies. J. Econ. Ent. 45: 1097-1098. Dec.1952. 421 J822

35284 DENNINGER, C. La photographie des insectes et autres parasites des cultures. Phytoma 5(42):9-12. Nov.1952. 464.8 P563

35285 DORWARD, K. Reports how USDA surveys are made. Agr. Chem. 8:78-79. Jan.1953. 381 Ag8

35286 DRESDEN, D. The problem of insecticide resistance. (In Dutch.) T. N. O.-Nieuws. 7:370-374. Nov. 1952. 475 T11

35287 EVENHUIS, H. H. On the control of insects by natural enemies. (In Dutch.) Fruitteelt 42:948-949,959. Christmas 1952. 86 N28

35288 FAGNANI, G. Disinfestation under vacuum with fumigants. (In Italian.) Informatore Fitopatol. 2:34-36. Mar.15,1952. 464.8 In3

35289 FARRAR, M. D. Labeling, application problems met by using granular insecticides mixed with fertilizer. Farm Chem. 116(2):20-21,72. Feb.1953. 57.8 Am3

35290 FARRAR, M. D. Meet the South's ten per centers; development of granular insecticides with better application control should cut their 'take.' South. Seedsman 16(2):21,76. Feb.1953. 61.8 So8
Insect pests.

35291 FARRAR, M. D. 1952 highlights in research on cotton pest control. Agr. Chem. 8:67,69. Jan.1953. 381 Ag8

35292 FIGUEIREDO, E. R. DE. Pests of Gladiolus and means of control. (In Portuguese.) Lav. e Criação 7(42):48-49. Sept.1952. 49 L392
Insect pests.

35293 FISCHETTI, D. El metoxiclor. Chacra 23 (266):24-25. Jan.1953. 9 C34
Toxicity and uses.

35294 GADDIS, C. L. Research that means more cash per acre. South. Seedsman 16(2):62,74. Feb.1953. 61.8 So8
Insecticides.

35295 GASSER, R. Über das verhalten von selektiven insektiziden mit tiefenwirkung in der pflanze. Schweiz. Bot. Gesell. Ber. 62:66-79. Ref. Dec.1952. 451 Sch9

35296 GEIER, P. Le traitement d'hiver en arboriculture. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:87-89. Nov.1952. 17 J82A
Insect control.

35297 GILIAROV, M. S. Rice culture as a measure for controlling the soil inhabiting pests in the Volga-Don District. (In Russian.) Akad. Nauk SSSR. Dok. 87:853-855. Dec.11,1952. 511 P444A
Soil insects.

35298 GOIDANICH, A. Biological forest protection. (In Italian.) Ricerca Sci. 22(4,sup.A):161-168. 1952. 475 It1
English summary.
Chiefly insect pests.

35299 GREGOIRE, C. L'emploi des insecticides à la ferme. Sillon Belge 22(535):1-2. Nov.22,1952. 13 Si3

35300 HALL, D. G. New methods of pest control, systemics and biological control bear watching. Amer. Fruit Grower 73(2):24,59. Feb.1953. 80 G85

35301 HERFORD, G. V. B. The quality of cereals and their industrial uses: grain protection. Chem. & Indus. 4:75-77. Jan.24,1953. 382 M31C
Insect control in stored grain.

35302 HEY, G. L. Orchard results last year with PCPBS [p-chlorophenyl p-chlorobenzene-sulfonate]. Grower [London] 39:86-87,89. Jan.10.1953. 286.83 M34

35303 HOLZ, W. Organisation des Warndienstes in den Niederlanden. II. Gesunde Pflanzen 4:312-314. Dec. 1952. 464.8 G33
Insect pests.

35304 KADEN, O. F. System-insektizide als bekämpfungsmittel der kakaoviruskrankheiten. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:13-15. 1952. 68.39 H17

35305 KEMPER, H. Daten zur geschichte der hygienischen zoologie. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 40:138-174. (Cont.) Ref. May/June 1952. 449.8 Z36
Includes medical and economic entomology.

35306 KLARUP-HANSEN, J. Should the orchard be sprayed this winter? (In Danish.) Haven 53:10-11. Jan. 1953. 80 H29
Against insects.

35307 KONO, T. On the relative resistance of several species of insect pest of stored products to the gaseous γ-BHC. (In Japanese.) Botyu-Kagaku 17:153-156. Ref. Dec.1952. 421 B65
English summary.

35308 KOVAČEVIĆ, Z. Warum kommt periodisch zum massenauftreten der schädlinge vor? (In Serbo-Croatian.) Sumarski List 76:285-288. Aug.1952. 99.8 Su6
German summary.

35309 KRINER, E. R., DEWEY, J. E., and NORTON, L. B. Orchard evaluation of DDT formulations and DDT-acaricide combinations. J. Econ. Ent. 45:957-965. Ref. Dec.1952. 421 J822

35310 LEPAGE, H S. Concentrated or low volume sprays. (In Portuguese.) Biológico 18:127-134. Aug. 1952. 442.8 B529
Insecticides.

35311 LEPAGE, H. S., and GIANNOTTI, O. Systemic insecticides. (In Portuguese.) Biológico 18:153-159. Sept.1952. 442.8 B529

35312 LEWIS, H. R. Evitación de pestes en el gallinero. Campesino [Santiago] 84(12):35. Dec.1952. 9.3 So12

35313 LOFGREN, J. A., ROGOFF, W. M., and O'CONNELL, J. J. Livestock pest control guide. S. Dak. State Col. Agr. Ext. C. 448,4 p. Dec.1952. 275.29 So85

35314 LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Sugarcane insect investigations, 1951, by A. L. Dugas, E. J. Concienne, and C. Sanders, Baton Rouge? 1952. 30 p. 423.9 L93S

35315 MALAYA. INSTITUTE FOR MEDICAL RESEARCH. Annual report for the year 1951. Kuala Lumpur,1952. 97 p. 448.9 In73A
Includes report of the Division of Entomology, material on trombiculid mites in scrub-typhus transmission, and material on rice nutrients.

35316 MARIMPIETRI, L. Fumigation under vacuum. (In Italian.) Gior. di Agr. 63:19. Jan.18,1953. 16 It1G
Insect control.

35317 MARQUARDT, P. Besteht nach lindane-anwendung zur bekämpfung von getreideschädlingen eine vergiftungsgefahr für den brotkonsumenten? Mühle 89: 700-701. Ref. Nov.6,1952. 293.8 M89

35318 MARTELLI, M. Systemic insecticides. (In Italian.) Informatore Fitopatol. 2:9-11. Jan.31,1952. 464.8 In3

35319 MARTINI, E. C. W. Lehrbuch der medizinischen entomologie. Ed. 4, rev. Jena,Fischer,1952. 694 p. Ref. 422 M36

35320 MICHELBACHER, A. E., and BACON, O. G. Walnut insect and spider-mite control in northern California. J. Econ. Ent. 45:1020-1027. Dec.1952. 421 J822

35321 MIDDLEKAUFF, W. W., and STEVENSON, E. E. Insect injury to blackeye bean seeds in central California. J. Econ. Ent. 45:940-946. Dec.1952. 421 J822

35322 MILES, P. W. Precautions against insect damage in seedbeds. (Sum.) Rhodesian Tobacco J. 4(11): 63,65-66. Nov.1952. 69.8 R34

35323 MILLAUD, R. Insectes parasites des plantes utiles des établissements français de l'Océanie. Agron. Trop. [Nogent-sur-Marne] 7:589-599. Ref. Nov./Dec. 1952. 26 Ag86

35324 MORALES, E. Observaciones sobre algunos insectos de importancia económica en el cultivo del café. Mensajero Agr. 77:59. Oct./Nov.1952. 9.8 M52
Peru.

35325 MORALES M., E. Observaciones sobre algunos insectos de importancia económica en el cultivo del café. Suelo Tico 6(27):31-36. Jan./June 1952. 8 Su2
Costa Rica.

35326 MORRISON, H. E., and CROWELL, H. H. Soil insecticide studies in Oregon. J. Econ. Ent. 45:1002-1010. Dec.1952. 421 J822

35327 MUKERJI, S., and CHATTERJEE, S. N. Permeability of insect cuticle to aqueous stains and vulnerability to insecticides. Nature [London] 171:119-120. Jan. 17,1953. 472 N21

35328 NACCAMULI, S. Seed disinfection. (In Italian.) Informatore Fitopatol. 2:49-52. Apr.15,1952. 464.8 In3

35329 NEWTON, H. C. F. Notes on pests of 1952. Herefordshire Agr. J. 13:21,23,25,27,29. Winter 1952/53. 10 H42
Chiefly insect pests and their control.

35330 OSSOWSKI, L. L. J. Notes on insects observed during the period 1949 - 1952. Natal. U. Wattle Res. Inst. Rpt. 4/5:51-58. Oct.1952. 99.9 N192
Pests of Acacia.

35331 PEREZ REYES, G. La campaña entomologica 1951-52, en algodonero, en la hacienda "El Ingenio," Valle de Huaura. Agronomia [Lima] 17(72):115-120. Oct./Dec.1952. 9.8 Ag83

35332 PODMORE, P. S. M. Large-scale pest destroyers; straw-necked Ibis of immense value to Australian agriculturalists. Cage Birds 102:621. Dec.11,1952. 413.8 C11C

35333 POPHAM, W. L. Insects in relation to Southern agriculture. Washington,U. S. Bur. Ent. & Plant Quar., 1952. 5 p. 1.967 H2P81
Summary of comments at meeting of Cotton States Branch of the American Association of Economic Entomologists, Atlanta, Feb. 5, 1952.

35334 PORTER, B. A. 1952 experience with insecticides. Amer. Fruit Grower 73(2):15,56-57. Feb.1953. 80 G85

35335 PORZER, W. Holzschädlinge und ihre bekämpfung. Prakt. Chem. 3:272-273. Nov.1952. 384 P88
Chiefly insects.

35336 PRINCIPI, M. Chemical treatments to control insects. (In Italian.) Informatore Fitopatol. 2:44-46. Mar.31,1952. 464.8 In3

35337 QADRI, M. A. H. Forest protection with biological control in Pakistan. Pakistan J. Forestry 2: 244-250. Oct.1952. 99.8 P17
Insects.

35338 RODRIGUEZ SARDINA, J. El método de la niebla de vapores activos (un nuevo procedimiento de emplear insecticidas). Agricultura [Madrid] 21:621. Nov.1952. 15 Ag84

35339 ROEPKE, W. Insects from Java used as human food or as medicine. (In Dutch.) Ent. Ber. 14:172-174. Nov.1,1952. 420 N38B

35340 ROTHE, J., FERNANDEZ MENDIA, J., and ANGEL REYES, P. A. M. El cultivo del algodón en Guatemala, con especial referencia al control de insectos. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(10):26-27,35. Oct.1952. 8 G937M
Report of a commission.

35341 RUSSELL, E. J. Wastage of world food supplies through diseases and pests. Shropshire & Surrounding Co. Agr. News 17:3,5. Sept./Dec.1952. 10 Sh8
Chemical control of insects and systemic insecticides.

35342 SCHAPER, P. Neues aus dem pflanzenschutz; die biologische schädlingsbekämpfung im mittelpunkt der Pflanzenschutz-Tagung 1952. Übersicht 3(11):57-59. Nov.1952. 18 Ub3
Insect control.

35343 SERVI, G. Systemic insecticides. (In Italian.) Agr. Tosc. 7:352-353. Oct.1952. 16 Ag827

35344 SHELL CHEMICAL CORPORATION. Shell 25% aldrin equivalent wettable powder. Hyman, Julius, & Co. S 433,3 p. Sept.11,1952. 423.9 H99S

35345 SHEPHARD, J. B. Birds—our natural allies; plant life on earth in danger of extermination by insects if not protected man's feathered friends. Farmer's Wk. [Bloemfontein] 84:28-29. Dec.24,1952. 24 F225

35346 STARNES, O. Plant pests and pesticides. N. J. State Hort. Soc. Hort. News 34:2588. Jan.1953. 81 N46

35347 STREETER, J. R. Chemicals are best hope in battle of the bugs. Farmer-Stockman 56:20,58. Jan.1953. 6 Ok45

35348 THIEL, P. H. VAN. The repellent effect of insecticides, especially of contact insecticides. Acta Leidensia 22:96-107. Ref. 1951,pub.1952. 448.9 L59

35349 THIEM, H. Der pflanzenschutz auf alten wegen. Anz. f. Schädlingsk. 26:1-6. Ref. Jan.1953. 421 An9
Biological control of insects.

35350 THOMSON, A. G. Rapid disinfestation of stored grain. Food [London] 22(257):57. Feb.1953. 389.8 F738

35351 TIELECKE, H. Hexachlorcyclohexan im pflanzen- und vorratsschutz, in der hygiene und tiermedizin. Ernahr. der Pflanze 2:104-112. Nov.1952. 57.8 Er62

35352 TOUSEY, R. G. Use of parathion expands for northeast fruit growers. Amer. Cyanagrams 2(8):25-27, 33. Winter 1952. 381 Am392

35353 UGANDA. MEDICAL DEPT. Annual report for the year ended 31st December, 1951. Entebbe,1952. 84 p. 448.9 Ug1
Includes arthropod borne diseases and nutrition.

35354 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Insecticidal aerosol generators, by A. H. Yeomans. Washington?1952? 5 p. 1.967 A2In75

35355 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the French Zone of Morocco. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 444,(sup. 2),rev.,1 p. Jan.14,1953. 1.9 F73

35356 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Ryukyu Islands. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 600,3 p. Jan.14,1953. 1.9 F73

35357 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Report, 1951/52. Washington,1953. 84 p. 1 En86

35358 VAYSSIERE, P. Au sujet de la protection des grains contre leurs parasites. Meun. Franc. 73: 23-26. Oct.1952. 298.8 M57
Control of storage pests.

35359 VESPIGNANI, A. Preparation and use of lime-sulfur mixture. (In Italian.) Informatore Fitopatol. 2:5-8. Jan.15,1952. 464.8 In3

35360 VIVANI, W. Poplar insects. (In Italian.) Informatore Fitopatol. 2:97-101,124-128. July 15/30-Aug.15/30,1952. 464.8 In3

35361 WHITEHEAD, G. B. Some notes on the insect ecology of citrus and the use of insecticides. Plant Protect. Overseas Rev. 3(2):16-20. July 1952. 464.8 P69

35362 WIDMER, W. E. Systemic insecticides. MEGA 12(5):10-11,19. Dec.1952. 90.32 M52B

35363 WILBUR, D. A. Effectiveness of dusts containing piperonyl butoxide and pyrethrins in protecting wheat against insects. J. Econ. Ent. 45:913-920. Dec.1952. 421 J822

35364 ZACHER, F. Pulverförmige bekämpfungsmittel gegen getreideschädlinge. Ent. Kolloquium 22,10 p. Jan.1,1952. 420 B45

INSECTICIDES

35365 ANNAU, E., KONST, H., and PLUMMER, P. J. G. Biochemical and histological changes in the liver of mice following feeding of the insecticide aldrin. Canad. J. Med. Sci. 30:463-470. Dec.1952. 470 C16E

35366 BISHOPP, F. C. Issues involved in pesticide legislation. Agr. Chem. 8(2):31-33,137,139. Feb.1953. 381 Ag8

35367 BOTTGER, G. T., YERINGTON, A. P., and GERTLER, S. I. Preliminary tests of some N-substituted anisamides and esters of anisic acid as insecticides. U. S. Bur. Ent. & Plant Quar. E-852,10 p. Dec.1952. 1.9 En83

35368 CALDWELL, A. H. Dermal treatment of rats with toxicants. J. Econ. Ent. 45:1098. Dec.1952. 421 J822

35369 COSTA, J. A., MARGHERITIS, A. E., and LAMDAN, S. Contribución al estudio del clordane 1068, su química y su poder insecticida. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(56):2-32. Ref. Aug.1952. 9 Id3

35370 CRONJE, J. H., and CRAVEN, J. G. The manufacture of DDT and BHC. (In Dutch.) So. African Indus. Chem. 6:217-219. Aug.1952. 385 So8

35371 FABRE, R., TRUHAUT, R., and BOUDÈNE, C. Dosage de petites quantités de nicotine dans les atmosphères et les milieux biologiques animaux ou végétaux; application à l'étude de l'absorption et de l'élimination de l'alcaloïde chez les sujets exposés. Ann. Pharm. Franç. 10:579-594. Ref. Sept./Oct.1952. 396.8 An7
Used in insect control.

35372 FERNANDO, H. E. The acetylcholine-like substance in insect nervous tissue and its role in the toxicity of chlorinated hydrocarbon insecticides. Urbana, 1952. 6 p. 423 F392
Abstract of thesis - University of Illinois.

35373 FULTON, R. A., and GELARDO, R. P. A method for determining water in insecticidal aerosols. Soap & Sanit. Chem. 29(2):145,147,159,161. Feb.1953. 307.8 So12

35374 GARCIA GUILLINTA, M. J. Influencia del "pH" de las materias inertes empleadas en la mezcla con insecticidas clorados. Agronomia [Lima] 17(72):87-88. Oct./Dec.1952. 9.8 Ag83

35375 GOWDEY, C. W., and others. A study of the pharmacological properties of the insecticide aldrin. Canad. J. Med. Sci. 30:520-533. Ref. Dec.1952. 470 C16E
A. R. Graham, J. J. Seguin, G. W. Stavraky, and R. A. Waud, joint authors.

35376 HARTZELL, A. Bioassay of organic insecticides in processed foods. J. Econ. Ent. 45:1102. Dec. 1952. 421 J822

35377 HERE is a list of antidotes for pest control chemicals to use in case of poisoning. Pest Control 21:9, 10,12. Jan.1953. 449.8 Ex8
Chiefly insecticides.

35378 HILBRICH, P. The effects of E 605 forte and Selinon on poultry. Höfchen-Briefe 5:36-40. 1952. 464.8 H67

35379 ISHIKURA, H., and OZAKI, K. Flavour and taste contamination by spraying suspensions of BHC of different purifications. (In Japanese.) Botyu-Kagaku 17: 75-82. Sept.1952. 421 B65
English summary.
Vegetables.

35380 JONES, G. D. G., and THOMAS, W. D. E. Contamination of nectar with the systemic insecticide 'schradan.' Nature [London] 171:263. Feb.7,1953. 472 N21

35381 KAY, K. New approaches to health evaluation of insecticides. Canad. J. Pub. Health 43:516-522. Dec. 1952. 449.8 P964

35382 KELSHEIMER, E. G. The effect of certain non-phosphoric insecticides upon the germination of tomato seeds. Hyman, Julius, & Co. S 277,8 p. Jan.5, 1952. 423.9 H99S

35383 KNOWLTON, G. F. Observe safety rules in use of insecticides. Utah. State Agr. Col. Mimeog. Ser. 93, 4 p. Jan.8,1953. 275.29 Ut1Ms

35384 LATTA, R. BE&PQ-perfected device measures methyl bromide concentrations. Pest Control 21(2): 30. Feb.1953. 449.8 Ex8

35385 LICKERISH, L. A. Studies on commercial octamethylpyrophosphoramide (schradan). V. Insecticidal comparisons of the two main constituents. J. Sci. Food & Agr. 4:24-28. Jan.1953. 382 So12

35386 MCDONNELL, C. C. Now adopted for labeling under US Act of 1947, are common names of these complex organic insecticides & fungicides. Agr. Chem. 8(2):50-52,123. Feb.1953. 381 Ag8

35387 MATSUBARA, H. Studies on synergist for insecticides. VII-VIII. (In Japanese.) Botyu-Kagaku 17:82-88. Sept.1952. 421 B65
English summary.
VII, On the synergistic action of egonol with pyrethrins in dust; VIII, On the synergistic action of egonol with pyrethrins in grain protectant.

35388 MATSUBARA, H. Studies on synergist for insecticides. IX-X. (In Japanese.) Botyu-Kagaku 17:143-153. Ref. Dec.1952. 421 B65
English summary.
IX, On the synergistic action of some compounds containing two 3,4-methylenedioxyphenyl groups with pyrethrins; X, On the synergistic action of 2-phenylcoumarone derivatives and degradation products of egonol with pyrethrins.

35389 METCALF, P. E., and OSSOWSKI, L. L. J. A comparison of the size of droplets in oil fogs. Natal. U. Wattle Res. Inst. Rpt. 4/5:59-63. Oct.1952. 99.9 N192

35390 METCALF, R. L., and MARCH, R. B. Behavior of octamethyl pyrophosphoramide in citrus plants. J. Econ. Ent. 45:988-997. Ref. Dec.1952. 421 J822

35391 MOORE, S. The effect of lindane vapor on canaries and pigeons. J. Econ. Ent. 45:1092-1093. Dec. 1952. 421 J822

35392 OIWA, T., and others. Polarographic determination of allethrin. 1. (Studies on determination of pyrethroids. I.). Botyu-Kagaku 17:106-122. Ref. Sept.1952. 421 B65
Y. Inoue, J. Ueda, and M. Ohno, joint authors.

35393 PHILLIPS, G. L., and BULGER, J. W. Analysis of methyl bromide by measurements of thermal conductivity. U. S. Bur. Ent. & Plant Quar. E-851,8 p. Jan.1953. 1.9 En83

35394 RADELEFF, R. D., and BUSHLAND, R. C. Benzene hexachloride poisoning of emaciated sheep. Vet. Med. 48:53-58,60. Feb.1953. 41.8 M69

35395 RAZAFIMAHERY, R. Recherche de la présence de l'hexachlorocyclohexane (H.C H.). Agron. Trop. [Nogent-sur-Marne] 7:601. Nov./Dec.1952. 26 Ag86

35396 RIEMSCHNEIDER, R., and SCHOLZEL, E. Literatur zur HCH- und diën-gruppe. Liste III. Z. f. Angew. Ent. 34:101-144. Sept.1952. 421 Z36

35397 SCHULZE, F., SWEETMAN, H. L., and SPEAR, P. J. Toxicity of lindane vapor to tropical fish. J. Econ. Ent. 45:1094-1097. Dec.1952. 421 J822

35398 STÜBNER, K. Ein fluoreszenzoptisches verfahren zum nachweis von hexa und DDT. Anz. f. Schädlingsk. 26:9-12. Jan.1953. 421 An9

35399 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. List of publications of the Division of Insecticide Investigations, July 1, 1952 to December 31, 1952, by R. C. Roark. Washington,1952. 4 p. 1.9 En866P

35400 WEDDING, R. T., and METCALF, R. L. Translocation of systemic insecticide measured by radioactive tracers. Calif. Citrog. 38:138,140,142. Feb.1953. 80 C125

35401 WILSON, G. The effects of BHC in pest control. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:44-46. Oct.1,1952. 65.9 Q3C
Effects on plants and soils in grub control.

35402 WISE, W. S. Stream contamination from spraying operations. Conn. Arborist 6(2):2-3. Dec.1952. 99.9 C7633
From insecticides, fungicides and herbicides.

APICULTURE AND APIS MELLIFERA

35403 ALPATOV, V. V. Urgent problems in improving the nature of the honeybee. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.46-49. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89
Breeding.

35404 ALPHANDÉRY, R. Chalets d'abeilles: l'industrie de la ruche en France. Rev. du Bois 8:20. Jan.1953. 99.82 R32

35405 ANDREU, E. La vie d'une abeille. Rev. Agr. de l'Afrique du Nord 50:945. Dec.19,1952. 80 R326

35406 AVETISIAN, G. A. Apiculture in Arctic regions. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.108-130. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35407 BAILLOD, M. La destruction des cellules royales après l'éclosion d'une reine. J. Suisse d'Apicult. 49:360-361. Dec.1952. 424.9 So1

35408 BARAS, A. La propreté chez l'abeille de même que chez ses produits. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:207-210. Nov.1952. 424.9 Sy7

35409 BESSONET, E. C. Producing packages and queens. Gleanings Bee Cult. 81:75-78,122. Feb.1953. 424.8 G47

35410 BJORN, L. More on wintering. (In Swedish.) Bitidningen 52:13-14. Jan.1953. 424.8 B54

35411 BLAKEMAN, A. J. The drone in the apiary. Brit Bee J. 80:826-827; 81:10,22-23. Dec.25,1952-Jan.8, 1953. 424.8 B77

35412 BOCHKAREV, G. S. Principal constructions of beehives. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.175-179. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35413 BONE, D. John Geddy and the transparent octagon hive. Brit. Bee J. 80:810,824-825; 81:8-10,24-25. (Cont.) Dec.18-25,1952-Jan.1-8,1953. 424.8 B77

35414 BOSSET, J. C. Au sujet du traitement de la loque par les antibiotiques. J. Suisse d'Apicult. 49:355-358. Dec.1952. 424.9 So1

35415 BRIER, J. H. Better mead. Wiltshire Bee-keepers' Gaz. 78:2-3. Mar./Apr.1952. 424.8 W71

35416 BÜDEL, A. Die bienenphysik bringt beweise. Imkerfreund 8:3-4. Jan.1953. 424.8 Im43
Beehive heating.

35417 CABEZAS, J. La degeneración de nuestras abejas. Spain. Min. de Agr. Serv. de Capacitación y Propag. Hojas Divulg. 16-52H,8 p. Aug.1952. 15 H68

35418 CADENA V., M. V. El reino de las abejas. Agr. Trop. 8(12):17-19. Dec.1952. 26 Ag8
General study of Apis mellifera and apiculture.

35419 CAILLET, R. Le toit de la ruche. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:204-206. Nov.1952. 424.9 Sy7

35420 CALE, G. H. Do package bees pay the first year? Amer. Bee J. 93:58. Feb.1953. 424.8 Am3

35421 CAMPBELL, D. J. Beekeeping in the Netherlands. Bee World 34:25-29. Ref. Feb.1953. 424.8 B399

35422 CORRINGTON, J. D. Under the microscope: biometry. Nat. Mag. 46:110-112. Feb.1953. 409.6 N214
Apis mellifera.

35423 DEANS, A. S. C. Honey sources. Scot. Bee-keeper 29:4. Jan.1953. 424.8 Sco8

35424 DELPEREE, R. Un cas de guérison extraordinaire par le venin d'abeilles. Rucher Wallon 14:158-160. Dec.1952. 424.8 R824

35425 ECKERT, J. E., and BESS, H. A. Fundamentals of beekeeping in Hawaii. Hawaii. U. Agr. Ext. B. 55, 58 p. June 1952. 275.29 H312E

35426 EVENIUS. Ausblick 1953. Nordwestdeut. Imkerztg. 5:3-6. Jan.1953. 424.8 N753

35427 FARRAR, C. L. Ecological studies on overwintered honey bee colonies. Gleanings Bee Cult. 81:83-86,123. Ref. Feb.1953. 424.8 G47

35428 FEEDING bees. Amer. Bee J. 93:63-70. Feb. 1953. 424.8 Am3
Mechanized feeding equipment, by W. L. Coggshall; Fall feed for disease prevention, by J. D. Beals; Cash returns from pollen supplement feeding, by H. A. Schaefer; Feeding granulated honey, by J. W. Holzberlein; Feeding of bees, by G. F. Townsend and P. W. Burke; Control feeding, by G. H. Cale.

35429 FORSTER, I. W. Evolution of the honeybee. New Zeal. Beekeeper 14(4):3-5. Nov.1952. 424.8 N483

35430 FRISCH, R. Queen breeding—the basic part of apiculture. (In Norwegian.) Birokteren 68:178-179. (Cont.) Nov.1952. 424.8 B53

35431 FUENTES DE SANCHO, A. El olor específico de las colonias apícolas. Agricultura [Madrid] 21:618-620. Nov.1952. 15 Ag84

35432 GALAKHIN, G. A. Increasing the productivity and accelerated increase of honeybees on collective farms in Crimean Region. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.197-202. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35433 GEIGER, J. Projects at Brandon [Experimental Farm Apiary]. Canad. Bee J. 61:14-17. Jan.1953. 424.8 C16

35434 GENSER, C. Bienenstiche, bienengift und ihre wirkungen. Imkerfreund 8:16. Jan.1953. 424.8 Im43

35435 GUBLER, H. U., and ALLEMANN, O. Die behandlung der sauerbrut mit antibiotica (vorläufige mitteilung). Schweiz. Bienen-Ztg. 75:526-530. Dec.1952. 424.8 Sch9

35436 GYGLI, K. Was tut der bienenzüchter im winter? Schweiz. Bienen-Ztg. 75:530-534. Dec.1952. 424.8 Sch9

35437 HAMMER, O. Did bee poisoning reach its highest point last summer? (In Norwegian.) Dansk Landbr. 72:18-20. Jan.8,1953. 280.28 B91

35438 HANSSØN, Å. Consumption of feed and water by the bee colony. (In Swedish.) Nord. Bitidskr. 4:103-106. 1952. 424.8 N752

35439 HANSSON, A. Water evaporation in the beehive with special reference to winter feed. (In Swedish.) Nord. Bitidskr. 4:83-85. 1952. 424.8 N752

35440 HERBST. Haltet die bienen warm, auch im sommer! Nordwestdeut. Imkerztg. 5:15-16. Jan.1953. 424.8 N753

35441 HEROLD, K. Bericht der giftschädenabwicklungsstelle. Imkerfreund 8:5-6. Jan.1953. 424.8 Im43

35442 HILLIER, R. Control de las enfermedades de las abejas. Agr. Austral 22:318-319. Sept./Oct. 1952. 9.3 Ag842

35443 HUNDSDORFER, G. Controlling flight distance of honey bees with nitrous oxide (laughing gas). Gleanings Bee Cult. 81:92,125. Feb.1953. 424.8 G47

35444 JASIM, K. Beekeeping in Iraq. Mod. Beekeeping 36:405-407,414. Dec.15,1952. 424.8 B397

35445 JENSEN, A. Heat—a deficiency factor in the beehive. (In Norwegian.) Birøkteren 68:174-176. Nov. 1952. 424.8 B53

35446 JORDAN, R. Das flugloch im winter. Deut. Bienenwirt. 4:2-4. Jan.1953. 424.8 D489

35447 KADESJO, S. New ways of wintering. (In Swedish.) Bitidningen 51:257-260. Nov.1952. 424.8 B54

35448 KADESJÖ, S. Queen rearing according to new methods. (In Swedish.) Bitidningen 51:286-287. Dec. 1952. 424.8 B54

35449 KRISHCHUNAS, N. V., ed. Za povyshenie produktivnosti pchelovodstva [Toward increasing the productivity of apiculture]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 210 p. 424 K89

35450 LANCINI, V. On the theme of large cells - how the bee corrects our errors. (In Italian.) Apic. d'Italia 19:238-239. Nov.1952. 424.8 Ap372

35451 LAVREKHIN, F. A. On biological and economically useful characteristics of the wild Ussuri bee [Apis indica]. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.50-59. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35452 LEBENDER, H. Bienenhaltung in Finnland. Imkerfreund 8:25-26. Jan.1953. 424.8 Im43

35453 LIÉTAR, R. La reine et l'hérédité. J. Suisse d'Apicult. 49:368-370. (Cont.) Dec.1952. 424.9 So1

35454 LINDHOLM, R. Some views on electricity. (In Swedish.) Nord. Bitidskr. 4:95. 1952. 424.8 N752
For the heating of beehives.

35455 LOUP, L. Service des pesées des ruches. J. Suisse d'Apicult. 49:365-368. Dec.1952. 424.9 So1

35456 LUNAS, T. Anesthesia of bees. (In Norwegian.) Birøkteren 68:197-198. Dec.1952. 424.8 B53

35457 LUNDER, R. Coniferous honey that crystalizes in the frames. (In Norwegian.) Nord. Bitidskr. 4:86-89. 1952. 424.8 N752
From honeydew.

35458 LUNDER, R. Digestion of pollen in the intestines of the bee. (In Norwegian.) Nord. Bitidskr. 4: 107-111. 1952. 424.8 N752

35459 LUNDER, R. A new extraction strainer for heather honey. (In Norwegian.) Birøkteren 68:193-195. Dec.1952. 424.8 B53

35460 LUNDER, R. Vertical and horizontal wiring of frames. (In Norwegian.) Birøkteren 68:191-193. Dec. 1952. 424.8 B53

35461 MAAGENDANS, H. G. Make a wax press yourself. (In Dutch.) Maandschr. v. Bijenteelt 54:168-169. Nov.1952. 424.9 V58

35462 MAISTRE, A. Bonnes et mauvaises expériences de calfeutrage des ruches pour l'hiver. J. Suisse d'Apicult. 49:359-360. Dec.1952. 424.9 So1

35463 MAKAROVA, A. I. Role of bees in increasing the productivity of entomophilous agricultural crops. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.75-80. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89
Clover chiefly.

35464 MARCHI, R. DE. What is apiculture's place in Italy? (In Italian.) Apic. d'Italia 19:236-237. Nov. 1952. 424.8 Ap372

35465 MARTIMO, E. Microclimate and apiculture. (In Swedish.) Nord. Bitidskr. 4:98-101. Ref. 1952. 424.8 N752

35466 MARTIN, E. C. Observations on package bees in 1951. I. Dates for installing package bees. Mich. Agr. Expt. Sta. Q. B. 35:193-197. Nov.1952. 100 M58S

35467 MEDICE, M. Caracteristicas y manejos de los enseres utilizados en apicultura. Mundo Agr. 4(42): 56-57. Nov.1952. 9 M92

35468 MEDICI, M. El conocimiento de la apicultura elemental es interesante y util para todo apicultor. Mundo Agr. 4(43):58-59. Dec.1952. 9 M92

35469 MEYER, W. Die kleinbauarbeiten unserer bienen. Deut. Bienenwirt. 3:237-240. Dec.1952. 424.8 D849

35470 MILLER, W. The honeybee. Mod. Nutr. 5(10): 6-7. Oct./Nov.1952. 389.9 Am352

35471 MITROPOL'SKII, A. G. A horizontal hive with a side compartment. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.171-174. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35472 MITCHENER, A. V. Dates for Manitoba. Canad. Bee J. 61:8-9. Jan.1953. 424.8 C16
Colony management.

35473 MOFFETT, J. Reducing foulbrood losses. Colo. Farm & Home Res. [Colo. Sta.] 3(4):1. Nov./Dec. 1952. 100 C712Co

35474 MOISEEV, K. V. Organization of feed supply base for honeybees under conditions of Kazakhstan. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.146-156. Ref. Moskva, Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35475 MOLO, M. DELL'I. Ten or twelve frame hives? (In Italian.) Apic. d'Italia 19:235,237. Nov.1952. 424.8 Ap372

35476 MULLER, O. Queen breeding under Scandinavian conditions. (In Danish.) Nord. Bitidskr. 4:65-71, 117-122. 1952. 424.8 N752

35477 MULLER, W. Luftvergiftung und bienenzucht im rheinisch-westf. industriegebiet. Westfälische Bienenztg. 65:336. (Cont.) Dec.1952. 424.8 W526

35478 MUTTOO, R. N. Note on the importation of honey-bees into India. Indian Bee J. 14:69. May/Aug. 1952. 424.8 In2

35479 NEUMANN, D. Das winterfutter. Nordwestdeut. Imkerztg. 5:10-12. Jan.1953. 424.8 N753

35480 NEVADA. APIARY COMMISSION. Biennial report for the period July 1, 1950, to June 30, 1952, inclusive. Carson City,1952. 6 p. 424.9 N41

35481 NUZHDIN, A. S. On standard hives. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.163-170. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35482 OLBERG, G. Merkwürdigkeiten vom bienenstich. Imkerfreund 8:14-15. Jan.1953. 424.8 Im43

35483 OLBERG, G. Über die blumenstetigkeit der bienen. II. Deut. Bienenztg. 7:177-178. Dec.1,1952. 424.8 D488

35484 PESCIO M. La colmena rascacielos. Chacra 23(266):48-49. Jan.1953. 9 C34

35485 QUENTIN, A. Le choix d'une ruche à cadres. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:195-203. Nov.1952. 424.9 Sy7

35486 RAHA, B. Feeding of dry sugar. Indian Bee J. 14:62,70. May/Aug.1952. 424.8 In2

35487 RAMAN, C. A. Water requirements and heat regulation. (In Swedish.) Bitidningen 52:6-7,19. Jan. 1953. 424.8 B54
Of bees.

35488 RAMAN, C. A. Wintering according to the Haddemo-principle. (In Swedish.) Nord. Bitidskr. 4:90-91. 1952. 424.8 N752

35489 RAUTENBERG, H. J. Beweiselung von wirtschaftsvölkern durch zuchtvölkchen und ableger. Westfälische Bienenztg. 65:334-336. (Cont.) Dec.1952. 424.8 W526

35490 RAUTENBERG, H. J. Winterschäden. Deut. Bienenztg. 7:182-183. Dec.1,1952. 424.8 D488

35491 RHEIN, W. VON. Bedeutung der duftlenkung für den imker. Imkerfreund 8:22-25. Jan.1953. 424.8 Im43

35492 RIHAR, J. Wintering and dysentery of bees. (In Slovenian.) Slovenski Cebelar 54:239-241. (Concl.) Nov.15,1952. 424.8 SL5

35493 ROSWALL, G. Bee research in Austria. (In Swedish.) Nord. Bitidskr. 4:112-116. 1952. 424.8 N752

35494 ROZOV, S. A. Selection work in apiculture in connection with problems of improving the feed supply base for honeybees. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.104-107. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35495 RUNKIST, J. Noch ein zusatzgerät. Imkerfreund 8:13-14. Jan.1953. 424.8 Im43

35496 RUTTNER. Genealogy of the races of European bees. (In Italian.) Apic. d'Italia 19:260,263. Dec.1952. 424.8 Ap372
Translated from Apicoltura.

35497 RUTTNER, F. Der bienensommer 1952 in Niederösterreich. Österr. Imker 2:207-209. Dec.1952. 424.8 Os7

35498 RUTTNER, F. Bienenzüchtung in Osterreich. II. Zuchtauslese. Landwirtschaft 23/24:375-377. Dec. 1952. 19 L235

35499 RUTTNER, F. Leistungsprüfstand für bienenköniginnen "Wintersbach" der Bundesanstalt für Bienenkunde. Osterr. Imker 2:210-213. Dec.1952. 424.8 Os7

35500 SADEH, D. Growing queens in workers' cells. (In Hebrew.) Hassadeh 33:108. Nov.1952. 26 H27

35501 SANDRUD, L. Preparation of the winter feed by the bees. (In Norwegian.) Birøkteren 68:200-201. Dec.1952. 424.8 B53

35502 SCHREIBER, G. Zusammenfassende darstellung der literatur über bienengift und beiträge zur frage der histologischen veränderungen nach bienenstichen. Giessen,1952. 25 p. Ref. 424 Sch73
Inaug.-Diss. - Giessen.

35503 SCOTT, F. B. The Hall method. Brit. Bee J. 80:808-809. Dec.18,1952. 424.8 B77
Colony management.

35504 SJOGREN, S. Pollen and pollen traps. (In Swedish.) Bitidningen 51:266-267. Nov.1952. 424.8 B54

35505 SOLANO, R. Genética apícola. Cult. Mod. 35: 460-461. Dec.1952. 15 C89

35506 STAMMERS, L. C. Hives, costs and comparisons. Brit. Bee J. 80:829-830. Dec.25,1952. 424.8 B77

35507 TARANOV, G. F. Methods of accelerated increase and increase of productivity of honeybee colonies. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.185-196. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35508 TARANOV, G. F. On the reconstruction of breeding work in apiculture. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.23-36. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35509 TARANOV, G. F., and ZHGENTI, S. K. From the works of the Expedition for studying the grey high mountain Caucasian (Georgian) honeybees. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.37-45. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

35510 TIGNER, H. S. Conclusions from three years with three colonies. Mod. Beekeeping 36:401-404,414. Dec.15,1952. 424.8 B397

35511 TUSCHHOFF, O. 50 jahre ohne wabenerneuerung in derselben beute und anderes mehr. Nordwestdeut. Imkerztg. 5:12-14. Jan.1953. 424.8 N753
Chiefly on swarming.

35512 TUSCHHOFF, O. Kalt oder warm? Deut. Bienenztg. 7:178-180. Dec.1,1952. 424.8 D488

35513 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Information about bee culture. U. S. Bur. Ent. & Plant Quar. E-276,rev.,10 p. Feb.1953. 1.9 En83
Lists publications on bee culture.

35514 VOSKRESENSKAÍA, A. K., and LOPATINA, N. G. Formation and dying away of conditioned reflexes in honeybees. (In Russian.) Zhur. Obshch. Biol. 13:421-434. Ref. Nov./Dec.1952. 442.8 Z6

35515 WHITE, A. Do package bees pay off the first year? Gleanings Bee Cult. 81:73-74,123. Feb.1953. 424.8 G47

35516 WILNED. Existen numerosos enemigos de las abejas, entre los que pueden contarse ellas mismas. Mundo Agr. 5(44):84-85. Jan.1953. 9 M92
Apis mellifera.

35517 WILSON, R. B. Beekeeping in Mexico. Gleanings Bee Cult. 81:79-81. (Cont.) Feb.1953. 424.8 G47

35518 WINIGER, J. Eine originelle bienentränke in einem waldidyll. Schweiz. Bienen-Ztg. 75:547-551. Dec. 1952. 424.8 Sch9

35519 WOODROW, A. W. Pollination of the red clover flower by the honey bee. J. Econ. Ent. 45:1028-1029. Dec.1952. 421 J822

35520 WULFRATH, A., and SPECK, J. J. De la colmena antigua al lucrativo negocio de la colmena moderna. Tierra [México] 7:745-747. (Cont.) Nov.1952. 8 T445

ARACHNIDA, MYRIAPODA, ETC.

35521 ANGELIER, E. Note sur Lobohalacarus gallicus (Migot) 1926 et les Porohalacaridae (Acari) de la faune française. Mus. Natl. d'Hist. Nat. B. (ser.2)24:195-199. Mar.1952. 410.9 P213

35522 ARCHER, A. F. A key to the spiders of the genus Larodectus [i.e. Latrodectus] in the Western Hemisphere. (Abs.) Ala. Acad. Sci. J. 21/22:97. Feb. 1952. 500 AL12

35523 ARTHUR, D. R. The capitulum and feeding mechanism of Ixodes hexagonus Leach. II. Parasitology 42:187-191. Jan.1953. 448.8 P21

35524 ARTHUR, D. R. Economic importance of ticks. Discovery 13:379-383. Dec.1952. 472 D63

35525 ARTHUR, D. R. Haller's organ of ticks. Entomologist 86:23-24. Jan.1953. 421 En8

35526 ARTHUR, D. R. The morphology of the British Prostriata with particular reference to Ixodes hexagonus Leach. II. Parasitology 42:161-186. Ref. Jan.1953. 448.8 P21

35527 ASANUMA, K. JAMESON, E. W., and SEKIKAWA, K. On the occurrence of the parasitic mite, Haemogamasus quadrisetatus Vitzthum, 1926 (Acari: Laelaptidae) in Japan. Res. Inst. Nat. Resources. Misc. Rpt. 26:71-76. June 1952. 513 T57225

35528 ASANUMA, K. Two new species of the blood-sucking mites parasitic on the striped mouse, Apodemus agrarius, from Manchuria (Acari: Laelaptidae). Res. Inst. Nat. Resources. Misc. Rpt. 25:86-92. Mar.1952. 513 T57225
In Haemolaelaps.

35529 ATTEMS, C. Sur trois Spirostreptides et un Polydesmide nouveaux (Myriapodes, Diplopodes) de la Cote d'Ivoire et du Cameroun. Mus. Natl. d'Hist. Nat. B. (ser.2)24:280-287. May 1952. 410.9 P213
New species in Mardonius, Scaphiostreptus, Termatodiscus n.g., and Cordylonotum n.g.

35530 BARGIONI, G., GUIZZARDI, G., and MACCANTI, M. Attempts at control of red spider on fruit trees. Paratetranychus pilosus Ca. et Fanz. [i.e. Metatetranychus ulmi Koch]. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:263-271. Nov./Dec.1952. 86 R22
English summary.

35531 BELL, R. R., and BERGER, G. Sheep scabies. Sowest. Vet. 6:180-181. Winter 1953. 41.8 So82
Caused by Psoroptes equi ovis.

35532 BERNDT, W. L. The chicken mite [Dermanyssus gallinae] attacking children. J. Econ. Ent. 45:1098. Dec.1952. 421 J822

35533 BOLWIG, N. Observations on the behaviour and mode of orientation of hunting Solifugae. Ent. Soc. South. Africa. J. 15:239-240. Nov.30,1952. 420 En86

35534 BRISTOWE, W. S. The spiders of islands. So.-East. Nat. & Antiquary 57:34-43. 1952. 501 So82
Includes list of species collected in Majorca, p. 39-42.

35535 CAMARGO, H. F. DE A. Description of two alotypes and a few morphological annotations on Brasilian spiders (Arachnida — Araneae (Dysderidae, Argiopidae, Selenopidae and Clubionidae). (In Portuguese.) Arq. de Zool. do Estado de São Paulo 7:445-464. 1951. 410 Ar6
English summary.

35536 CHAMBERLIN, R. V. Some American polydesmid millipeds in the collection of the Chicago Museum of Natural History. Ent. Soc. Amer. Ann. 45:553-584. Dec.1952. 420 En82
Includes new species in Sphaeriodesmus, Caliodesmus n.g., Pinesmus, Euphallus n.g., Metaphallus n.g., Phorositus n.g., Rachidomorpha, Tiphallus n.g., Chondrodesmus, Iguazus n.g., Leptodesmus, Trichomorpha, Iphyria, Rhysodesmus, Amplinus, Colomborus n.g., Euplinus n.g., Aymaresmus, Platyrhacus, Aphelidesmus and Nearctoma n.g.

35537 DAVIS, D. W. Some effects of DDT on spider mites. J. Econ. Ent. 45:1011-1019. Dec.1952. 421 J822
Tetranychidae.

35538 DEAN, F. P., and NEWCOMER, E. J. Further studies of orchard acaricides. J. Econ. Ent. 45:1038-1042. Dec.1952. 421 J822

35539 DEAN, H. A. Spider mites of citrus and Texas citrus mite [Eutetranychus clarki] control in the lower Rio Grande Valley of Texas. J. Econ. Ent. 45:1051-1056. Dec.1952. 421 J822

35540 DIAS, J. A. T. S. A case of gynandromorphism observed in the ixodid Rhipicephalus neavei Warburton 1912. (In Portuguese.) Inst. de Med. Trop. An. 8:523-530. Ref. Dec.1951. 448.9 L68
English summary.

35541 DIAS, J. A. T. S. Contribution to the study of the ixodid fauna of Niassa Province. (In Portuguese.) Inst. de Med. Trop. An. 8:563-614. Ref. Dec.1951. 448.9 L68
English summary.

35542 DIAS, J. A. T. S. Discovery in Mozambique of a new subspecies of the genus Dermacentor Koch 1944, D. (Puncticentor) circumguttatus cunha-silvai n. ssp. (In Portuguese.) Inst. de Med. Trop. An. 8:531-547. Dec. 1951. 448.9 L68
English summary.

35543 DIAS, J. A. T. S. More on the ixodid genus Rhipicephalus s. str. Koch 1844, in the Mozambique fauna. R. punctatus Warburton 1912. (In Portuguese.) Inst. de Med. Trop. An. 8:373-390. Ref. Sept.1951. 448.9 L68
English summary.

35544 DIAS, J. A. T. S. Notas sobre alguns Ixodídeos de Mocambique novos ou insuficientemente conhecidos [Notes on some new or little known Ixodidae from Mozambique]. Coimbra. U. Mus. Zool. Mem. e Estud. 210,16 p. Ref. 1952. 410.9 C66
English summary.

35545 DIAS, J. A. T. S. Note on Amblyomma astrion Dönitz 1909. (In Portuguese.) Inst. de Med. Trop. An. 8: 391-395. Sept.1951. 448.9 L68
English summary.

35546 DIAS, J. A. T. S. Study on Rhipicephalus simpsoni Nuttall 1910, a new ixodid for the fauna of Mozambique. (In Portuguese.) Inst. de Med. Trop. An. 8: 549-561. Dec.1951. 448.9 L68
English summary.

35547 DIERICK, G. F. E. M., and DALMEYER, W. H. M. New ways of controlling spider mites [Tetranychidae]. (In Dutch.) Fruitteelt 42:961-964. Christmas 1952. 86 N28

35548 FLESCHNER, C. A., and ARAKAWA, K. Y. The mite Tydeus californicus on citrus and avocado leaves. J. Econ. Ent. 45:1092. Dec.1952. 421 J822

35549 FLESCHNER, C. A., and RICKER, D. W. Natural enemies of mites on avocados. Citrus Leaves 33(2): 17-18. Feb.1953. 80 C492

35550 FRANCESCHI, T. On the discovery in Val Camonica of Pseudechiniscus novaezeelandiae f. marinae Bartos and of Pseudechiniscus scorteccii n. sp. (In Italian.) Doriana 1(30),7 p. Sept.15,1952. 410 D73

35551 FURMAN, D. P. Control of the northern fowl mite [Liponissus sylviarum]. J. Econ. Ent. 45:926-930. Dec.1952. 421 J822

35552 GRANDJEAN, F. Observations sur les Oribates. 24. Mus. Natl. d'Hist. Nat. B. (ser.2)24:187-194. Ref. Mar.1952. 410.9 P213

35553 HEISCH, R. B., and GUGGISBERG, C. A. W. On Ornithodoros graingeri n. sp., a tick from caves in Kenya. Parasitology 42:192-198. Jan.1953. 448.8 P21

35554 HEY, G L. PCPBS gives good control of summer red spider eggs. Grower [London] 39:225. Jan. 31,1953. 286.83 M34

35555 HUECK, H. J., and others. The increase of egg production of the fruit tree red spider mite (Metatetranychus ulmi Koch) under influence of DDT. Physiol. Compar. et Oecologia 2:371-377. June 30,1952. 444.8 P56
D. J. Kuenen, P. J. den Boer, and E. Jaeger-Draafsel, joint authors.

35556 JAMESON, E. W. Euhaemogamasus keegani, new species, a parasitic mite from western North America (Acarina: Laelaptidae, Haemogamasinae). Ent. Soc. Amer. Ann. 45:600-604. Dec.1952. 420 En82

35557 JEEKEL, C. A. W. Scolopendridae (Chilopoda) from Surinam. Ent. Ber. 14:175. Nov.1,1952. 420 N38B

35558 JEPPSON, L. R., JESSER, M. J., and COMPLIN, J. O. Timing red mite [Metatetranychus citri] treatments in coastal areas. Citrus Leaves 33(2):12-14. Feb.1953. 80 C492

35559 KINGSCOTE, A. A. Cattle mange. Shorthorn News [Waterloo] 13(4):11-13. Dec.1952. 43.8 Sh85

35560 KNOWLTON, G. F. Parasites on quail. Brooklyn Ent. Soc. B. 48:19. Feb.1953. 420 B79
Ticks.

35561 KOUTZ, F. R., CHAMBERLAIN, D. M., and COLE, C. R. Pneumonyssus caninum in the nasal cavity and paranasal sinuses. Amer. Vet. Med. Assoc. J. 122: 106-109. Feb.1953. 41.8 Am3

35562 LANDRO, C. DI, and ROSSI LEMA, L. La polilla del salame [Tyrophagus longior]. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(444):6. Dec.4,1952. 9.9 G15B

35563 LE GAC, P. Contribution a l'étude des Acariens des genres Thrombicula, Schongastia et Schongastiella recueillis sur les rongeurs de l'Oubangui-Chari (A. E. F.). Soc. de Path. Exot. B. 45:747-749. 1952. 448.9 So13

35564 LIENK, S. E., and others. Resistance of European red mite [Metatetranychus ulmi] to parathion. J. Econ. Ent. 45:1082. Dec.1952. 421 J822
R. W. Dean, P. J. Chapman, and A. A. LaPlante, joint authors.

35565 LIPOVSKY, L. J. Improved technique for rearing chigger mites (Acarina: Trombiculidae). Ent. News [Philadelphia] 64:4-7. Jan.1953. 421 En88

35566 LOMBARDINI, G. On some Acarina collected by Dr. Franciscolo in the Witch's Cavern (Tana da Bàsua). (In Italian.) Doriana 1(26),6 p. July 20,1952. 410 D73
Includes new species in Oppia and Trombicula.

35567 MCHARDY, W. M. The Karoo paralysis [Ixodes rubicundus] tick—its attachment sites. Merino Breeders' J. 15:28,30,32. Jan.1953. 45.8 So8
On sheep.

35568 MANTOVANI, A., and BENAZZI, P. The isolation of Coxiella burnetii from Rhipicephalus sanguineus on naturally infected dogs. Amer. Vet. Med. Assoc. J. 122:117-118. Ref. Feb.1953. 41.8 Am3

35569 MATHIAS, A. F. A program for the prevention of damage by purple mite. Citrus Mag. 15(3):21. Nov.1952. 80 C498
Metatetranychus citri.

35570 MEESER, M. J. N. A preliminary survey of the endo- and ectoparasites of the impala, Aepyceros melampus. So. African Vet. Med. Assoc. J. 23:221-223. Dec.1952. 41.8 So8
Includes ticks.

35571 MERLE, R. Les scorpions. Nature [Paris] 3211:321-324. Nov.1952. 473 N21

35572 NEWCOMER, E. J., and DEAN, F. P. Orchard mites resistant to parathion in Washington. J. Econ. Ent. 45:1076-1078. Dec.1952. 421 J822

35573 NOVAES, F. C., and CARVALHO, J. C. M. A new species of Megninia [M. ajajana] from the roseate spoonbill. (Analgesidae, Analgesinae). Acad. Bras. de Cien. An. 24:303-306. 516 R473A

35574 PALMÉN, E. Survey of the Diplopoda of Newfoundland. Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon Eläintiet. Julkaisu. 15(1),31 p. Ref. 1952. 410.9 Su7E

35575 PAULY, F. Die "copula" der Oribatiden (moosmilben). Naturwissenschaften 39:572-573. Dec.15, 1952. 474 N213

35576 RADFORD, C. D. Five new species of larval mites (Acarina: Trombiculinae). Parasitology 42:231-238. Jan.1953. 448.8 P21
In Trombicula, Neoschöngastia, Ascoschöngastia and Comatacarus.

35577 RADFORD, C. D. Four new species of parasitic mites (Acarina). Parasitology 42:239-243. Jan. 1953. 448.8 P21
In Hirstesia, Andreacarus n.g., Acomatacarus and Trombicula.

35578 RADFORD, C. D. The mites (Acarina: Analgesidae) living on or in the feathers of birds. Parasitology 42:199-230. Ref. Jan.1953. 448.8 P21

35579 SANKEY, J. H. P. Nemastoma lugubre (O. F. Müller) (Arachnida, Opiliones): first record of var. unicolor Roewer in Britain. Ann. & Mag. Nat. Hist. (ser.12) 6:27-29. Jan.1953. 410 An77

35580 SANTOS, E. Considerations on control of ticks. (In Portuguese.) Lavoura 56:24. Sept./Oct.1952. 9.2 L39

35581 SANTOS, E. Control cattle ticks. (In Portuguese.) Lav. e Criação 7(42):61. Sept.1952. 49 L392

35582 SCHMIDT, G. Sind mit bananen eingeführte spinnen gefährlich? Obst u. Gemüse 4:1330-1331. Dec. 21,1952. 286.83 Ob72

35583 SCHUBART, O. Brazilian Leptodesmidae. I: Three new genera, Goyazodesmus, Rupidesmus, and Thaumatodesmus. (In Portuguese.) Rev. Bras. de Biol. 12:447-454. Dec.1952. 442.8 R326
German summary.

35584 SUMMERS, F. M., and HOLMBERG, D. M. Davis men discuss problem of controlling [brown] mites on almonds. Almond Facts 18:8. Jan./Feb.1953. 280.28 AL62
Bryobia praetiosa.

35585 SUMMERS, F. M., and HOLMBERG, D. M. Early sprays for brown mites [Bryobia praetiosa]. New miticides tested for effectiveness when included in usual near-bloom sprays on almonds and peaches. Calif. Agr. [Calif. Sta.] 7:6. Jan.1953. 100 C12Cag

35586 SUMMERS, F. M. New materials in early sprays for control of brown almond mites [Bryobia praetiosa]. J. Econ. Ent. 45:974-981. Dec.1952. 421 J822
On almonds and peaches.

35587 TURK, F. A. A synonymic catalogue of British Acari. I. Ann. & Mag. Nat. Hist. (ser.12)6:1-26. Ref. Jan.1953. 410 An77

35588 UNLU, M. Coxiella burneti ile Ornithodorus moubatalarda yapılan deneyler. Türk Vet. Hekimleri Dernegi. Dergisi. 22:378-386. Nov./Dec.1952. 41.9 T84
German summary.
Ornithodorus moubata vector of Coxiella burnetti.

35589 VACHON, M. Remarques préliminaires sur quelques insectes parasites (Diptères et Hyménoptères) des cocons et œufs d'araignées. Mus. Natl. d'Hist. Nat. B. (ser.2)24:200-203. Mar.1952. 410.9 P213

35590 VACHON, M. Le scorpion languedocien et sa répartition en France a propos de sa présence dans le Département de l'Ardêche. Mus. Natl. d'Hist. Nat. B. (ser.2)24:274-279. Ref. May 1952. 410.9 P213
Buthus occitanus.

35591 WANG, Y. H. M. Supplement to the Myriapoda of Philippine Islands. Ent. News [Philadelphia] 64:1-4. Jan.1953. 421 En88

35592 WOLFENBARGER, K. A. Systematic and biological studies on North American chiggers of the genus Trombicula, subgenus Eutrombicula (Acarina, Trombiculidae). Ent. Soc. Amer. Ann. 45:645-677. Ref. Dec.1952. 420 En82
Includes new species.

35593 ZUMPT, F., and PATTERSON, P. M. Three new parasitic mites from the Ethiopian region (Acarina: Laelaptidae). Ent. Soc. South. Africa. J. 15:159-164. Nov.30,1952. 420 En86
In Neospinolaelaps n.g., Androlaelaps and Steatonyssus.

COLEOPTERA

35594 ANDREAE, H. Die gattung Monoplius Mars. (Coleoptera: Histeridae). Transvaal Mus. Ann. 22:41-45. Ref. Nov.4,1952. 515 T68

35595 ARNETT, R. H. Notes on the genus Lacon (Elateridae). Coleopterists' B. 7:5-7. Feb.1953. 421 C674

35596 BALFOUR-BROWNE, J. Proposed use of the plenary powers to validate the trivial name "flavipes" Olivier, 1795 (as published in the combination "Dytiscus flavipes") (class Insecta, order Coleoptera). B. Zool. Nomencl. 9:128-130. Dec.30,1952. 410 B874

35597 BAUMGARTEN, A. Vorläufiger kartoffelkäferschlussbericht für 1952. Gesunde Pflanzen 4:294. Nov.1952. 464.8 G33
Leptinotarsa decemlineata control in Germany.

35598 BECHYNE, J. Los insectos de las Islas Juan Fernandez. 11. Alticidae (Coleoptera Chrysomeloidea). Rev. Chilena de Ent. 2:117-118. Dec.19,1952. 421 R329
Text in French.
Includes new species in Minotula.

35599 BERNUTH, W. VON. Vorbeugende massnahmen gegen maikäferschäden. Deut. Landwirt.-Gesell. Mitt. 67:969-971. Dec.18,1952. 18 N39
Melolontha melolontha.

35600 BERTRAND, H. Captures et élevages de larves de Coléoptères aquatiques. 15. Soc. Ent. de France. B. 57:91-95. 1952. 420 F84B

35601 BERTRAND, H. Tableau des larves aquatiques de Coléoptères. Entomologiste 8:95-110. Ref. 1952. 421 En814

35602 BLETCHLY, J. D. A note on the prepupal stage and the external sex characters of the pupae of Anobium punctatum (Deg.) (Coleoptera, Anobiidae). B. Ent. Res. 43:587-590. Jan.1953. 421 B87

35603 BONADONA, P. Notes sur les Anthicidae paléarctiques. Rev. Franç. d'Ent. 19:233-237. Dec.30, 1952. 421 R323
Includes new subgenera and species in Microhoria and a new species in Anthicus.

35604 BONADONA, P. Sur la larve de Chrysocarabus solieri Dej. Rev. Franç. d'Ent. 19:237-240. Dec.30,1952. 421 R323

35605 BONNEMAISON, L. Observations preliminaires sur le charançon des siliques (Ceuthorrhynchus assimilis Payk.). Acad. d'Agr. de France. Compt. Rend. 38:712-715. Nov.19/26,1952. 14 P215Bc

35606 BRAKMAN, P. J. Short notes on Coleoptera I. (In Dutch.) Ent. Ber. 14:166-167. Nov.1,1952. 420 N38B

35607 BRUCE, N. Eine neue Mnionomus-art aus Afrika (Col., Cryptophagidae). Ann. & Mag. Nat. Hist. (ser.12)6:75-76. Jan.1953. 410 An77

35608 CHORABIK, S. Anatomy and histology of the digestive canal in the weevil Strophosomus capitatus Deg. (Coleoptera, Curculionidae). (In Polish.) Polskie Pismo Ent. 21:1-29. Ref. 1951,pub.1952. 421 P76
English summary.

35609 COCHRAN, J. H. Organic phosphate dusts on the plum curculio [Conotrachelus nenuphar]. J. Econ. Ent. 45:1085-1087. Dec.1952. 421 J822

35610 COIFFAIT, H. Les Pterostichus (Lianoe) endogés des Pyrénées françaises. Rev. Franç. d'Ent. 19: 214-217. Dec.30,1952. 421 R323

35611 COLAS, G. Note sur un Carabus (Col. Carabidae) français. Soc. Ent. de France. B. 57:81-83. 1952. 420 F84B

35612 COLHOUN, E. H. Notes on the stages and the biology of Baryodma ontarionis Casey (Coleoptera: Staphylinidae), a parasite of the cabbage maggot, Hylemya brassicae Bouché (Diptera: Anthomyiidae). Canad. Ent. 85:1-8. Ref. Jan.1953. 421 C16

35613 CROWSON, R. A. The classification of the families of British Coleoptera. Ent. Mon. Mag. 89:37-48. (Cont.) Feb.1953. 421 En86
Includes new families Merycidae and Pterogeniidae.

35614 DARLINGTON, P. J. Notes on Brachyonychus Chd. (Coleoptera, Carabidae, Panagaeini). Psyche 59: 126-128. Sept.1952. 421 P95

35615 DAVIES, M. J. The contents of the crops of some British carabid beetles. Ent. Mon. Mag. 89:18-23. Jan.1953. 421 En86

35616 DIDIER, R., and SEGUY, E. Notes sur quelques espèces de Lucanides et descriptions de formes nouvelles. Rev. Franç. d'Ent. 19:220-233. Dec.30,1952. 421 R323
New species in Pholidotus, Neolucanus, Cladognathinus n.g., Prosopocoelus, Eurytrachellelus, Dorcus and Aegus.

35617 EASTON, A. M. Meligethes brisouti Reitter occurring in France and Morocco (Col. Nitidulidae). Rev. Franç. d'Ent. 19:217-220. Dec.30,1952. 421 R323

35618 EDEN, W. G. Effects of kernel characteristics and components of husk cover on rice weevil [Sitophilus oryza] damage to corn. J. Econ. Ent. 45:1084-1085. Dec. 1952. 421 J822

35619 EDGREN, R. A. A bifurcated antenna in the soldier beetle, Chauliognathus pennsylvanicus (Coleoptera: Cantharidae). Nat. Hist. Misc. 114,3 p. Dec.18, 1952. 500 C43Na

35620 EDWARDS, J. G. The real source of Amphizoa secretions. Coleopterists' B. 7:4. Feb.1953. 421 C674

35621 ERMISCH, K. Neue Mordelliden aus der chinesischen Provinz Fukien (18. Beitrag zur kenntnis der Mordelliden). Ent. Bl. 47/48:143-157. 1951/52. 421 En833
In Pseudomordellistena n.g., Tolicopalpus n.g., and Glipostenoda.

35622 FERON. Nouveaux résultats d'essais de lutte contre le capnode (Capnodis tenebrionis L.) par le traitement du sol. Acad. d'Agr. de France. Compt. Rend. 38: 715-718. Nov.19/26,1952. 14 P215Bc

35623 FERREIRA, M. C. A new species of Scarabaeus. Transvaal Mus. Ann. 22:73-77. Nov.4,1952. 515 T68

35624 FERRY, R. S. In search of Strangalia aurulenta Fabricius. Ent. Rec. & J. Variation 65:26-28. Jan.15,1953. 421 En89

35625 FIEDLER, C. Neue vertreter des genus Eubulus aus Süd-Amerika (Coleoptera Curculionidae). 60. Beitrag zur kenntnis der amerikanischen Cryptorhynchiden. Rev. Chilena de Ent. 2:139-145. Dec.19,1952. 421 R329

35626 FIORI, G. Phloeotribus scarabeoides on olives. (In Italian.) Informatore Fitopatol. 2(5,sup.): 2-3. Mar.15,1952. 464.8 In3

35627 FRANCISCOLO, M. Neoglipa and related genera of New Guinea. (25th contribution to the knowledge of the Mordellidae). (In Italian.) Genoa. Mus. Civico di Storia Nat. Giacomo Doria. Ann. 65:325-357. 1951/52. 507 G28
Includes new subgenus and species in Neoglipa; new species in Ophthalmoglipa, Cephaloglipa n.g., and Glipidiomorpha n.g.

35628 FRANCISCOLO, M. A new species of Yakuhananomia Kono 1935. (19th contribution to the knowledge of the Mordellidae). (In Italian.) Doriana 1(15),6 p. June 21,1951. 410 D73

35629 FRANCISCOLO, M. On the systematic position of American and African Glipa. (20th contribution to the knowledge of the Mordellidae). (In Italian.) Doriana 1(23), 8 p. June 15,1952. 410 D73
Includes new genera Neoglipa and Ophthalmoglipa.

35630 FRANCISCOLO, M. On the systematic position of the genus Ctenidia Castelnau, 1840 (Coleoptera). (Contribution XXXIV to the knowledge of the Mordellidae.). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:155-163. Dec.19,1952. 420 L84Pb

35631 FRÖBRICH, G., and OFFHAUS, K. Ein neuer nahrungsfaktor, der die metamorphose von Tribolium confusum Duv. (Tenebrionidae, Coleoptera) ermöglicht. Naturwissenschaften 39:575. Dec.15,1952. 474 N213

35632 GILBERT, E. E. The homologies of the male genitalia of Rhynchophora and allied Coleoptera. Ent. Soc. Amer. Ann. 45:633-637. Ref. Dec.1952. 420 En82

35633 GIULIANELLI, E. Anthonomus pomorum and Anthonomus cinctus [i.e. piri]. (In Italian.) Informatore Fitopatol. 2:20-23. Feb.15,1952. 464.8 In3

35634 GUERIN, J. Essay monographique des Erotyliens chiliens (Coleoptera). Rev. Chilena de Ent. 2:179-183. Dec.19,1952. 421 R329
Includes new species in Megischyrus and Triplax.

35635 GUIGNOT, F. Haliplides et Dytiscides nouveaux ou peu connus du Musée Civique d'Histoire Naturelle de Gênes. Doriana 1(29),8 p. Aug.9,1952. 410 D73
New species in Hyphydrus and Derovatellus.

35636 GUIGNOT, F. Los insectos de las Islas Juan Fernandez. 10. Dytiscidae (Coleoptera). Rev. Chilena de Ent. 2:113-115. Dec.19,1952. 421 R329
Text in French.

35637 GUTIERREZ, R. Notas sobre Scarabaeidae neotropicos. III. (Coleoptera). Rev. Chilena de Ent. 2: 207-227. Ref. Dec.19,1952. 421 R329
Includes new species in Issacaris, Eubarybas n.g., Pseudohercitis, Eremophygus, Callichloris, Apterodemidae n.g., Homoliogenys n.g.

35638 HARINGTON, J. S. Notes on two wood-boring beetles apparently new to South Africa. Ent. Soc. South. Africa. J. 15:241-242. Nov.30,1952. 420 En86
Eburia quadrigeminata and a new undescribed genus.

35639 HICKS, S. D. Distribution of Carabus vietinghoffii in North America. Coleopterists' B. 7:1-3. Feb. 1953. 421 C674

35640 HINCKS, W. D. The genera of the Cassidinae (Coleoptera: Chrysomelidae). Roy. Ent. Soc. London. Trans. 103:327-358. Ref. Dec.31,1952. 420 L84
Includes new genera Pseudandroya, Spaethaspis, Chlamydocassis, Limnocassis, Capelocassis, Malayocassis, Hovacassis, Floridocassis, Chacocassis, Aporocassida, Leptocodia, Aidoia, Bradycassis, Helocassis, and Tetracassis; new subgenera in Echoma, Physonota, Laccoptera, Smeringaspis, Cassida, Coptocycla and Philaspis.

35641 HOPE, J. A. A simple method for sexing the confused flour beetle [Tribolium confusum]. Nature [London] 171:265-266. Feb.7,1953. 472 N21

35642 HOWE, R. W., and BURGES, H. D. A note on the resistance of Tenebrio molitor L. (Col., Tenebrionidae) to tropical temperatures. Ent. Mon. Mag. 89:4-6. Jan.1953. 421 En86

35643 HUFFAKER, C. B., and KENNETT, C. E. Ecological tests on Chrysolina gemellata (Rossi) and C. hyperici Forst. in the biological control of Klamath weed. J. Econ. Ent. 45:1061-1064. Dec.1952. 421 J822

35644 JARRIGE, J. Brachélytres cavernicoles nouveaux d'Europe occidentale. Soc. Ent. de France. B. 57:86-88. 1952. 420 F84B
In Homalium and Atheta.

35645 JEANNEL, R. Notes synonymiques. Rev. Franç. d'Ent. 19:251. Dec.30,1952. 421 R323
In Bibloplectus, Syrbatus and Centrophthalmus.

35646 JEANNEL, R. Révision des Afroplectus et description de genres nouveaux africains (Coleoptera Pselaphidae). Rev. Franç. d'Ent. 19:197-212. Dec.30, 1952. 421 R323
New subgenera in Afroplectus; new genus Pareuplectus

35647 JUNQUEIRA, G. M. Note on the coleopteron, Rutelidae Bolax flavolineatus (Mannerh., 1820)—the "grey horn-beetle." (In Portuguese.) Rev. de Agr. [Piracicaba] 27:307-312. Ref. Sept./Oct.1952. 9.2 R324

35648 JUUTINEN, P. Eine zuchtmethode für fichtenrindenbewohnende käferlarven. Suomen Hyonteistieteellinen Aikakausk. 18:41-46. 1952. 421 Su7

35649 KANGAS, E. Die larve von Leptura maculicornis DeG. (Col., Cerambycidae). Suomen Hyonteistieteellinen Aikakausk. 18:75-80. 1952. 421 Su7

35650 KANGAS, E. Eine neue art der gattung Leptusa Kraatz, L. saalasi n.sp. (Col., Staphylinidae) aus Finnland. Suomen Hyonteistieteellinen Aikakausk. 18:4-8. 1952. 421 Su7

35651 KASZAB, Z. Über neue und wenig bekannte Meloiden aus Südafrika. Transvaal Mus. Ann. 22:47-57. Nov.4,1952. 515 T68
New species in Iselma, Zonitomorpha, Prionotolytta, Mimesthes, Ceroctis and Actenodia.

35652 KING, E. W., and MCMULLEN, L. H. Adult longevity in Diaperis maculata (Tenebrionidae). Coleopterists' B. 7:8. Feb.1953. 421 C674

35653 KIRCHNER. Auswertung der kartoffelkäfersammelaktion 1952 in einem Kreise des Landes Mecklenburg. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6: 229-233. Dec.1952. 464.9 N11
Leptinotarsa decemlineata.

35654 KIYOKU, M. Relative humidity as a factor influencing the resistance of Callosobruchus chinensis to heat. (In Japanese.) Botyu-Kagaku 17:156-161. Dec. 1952. 421 B65
English summary.

35655 KNOWLTON, G. F. Controlling wireworms. Utah. State Agr. Col. Ext. C. 174,2 p. Jan.1953. 275.29 Ut1
Revision of Bulletin 232.

35656 KNOWLTON, G. F. Elm leaf beetle [Galerucella xanthomelaena] control. Utah. State Agr. Col. C. 173,2 p. Dec.1952. 275.29 Ut1

35657 KOCH, C. The Tenebrionidae of southern Africa. XII. Supplementary notes to Preliminary articles Nos. I, III, V and VIII. Transvaal Mus. Ann. 22:79-196. Ref. Nov.4,1952. 515 T68
Includes new genera Archinamibia, Heliophosis, Cryptocarpes, Lornamus, Namibismus, Nerinodon, Protodactylus and Oppenheimeria; new subgenus and species in Rhammatodes; new species in Asphaltesthes, Cychrachna, Cardiosis, Calosis, Afrinus, Caenocrypticus, Cyphostethe, Himatismus, Lamprocrypticus, Lepidochora, Onymacris, Pseudoseriscius, Rozonia, Stenocara, Stenodesia.

35658 KÖNIG, E. Der grosse eichenbock. Norddeut. Holzwirt. 6(75):3. Dec.30,1952. 99.82 N75
Cerambyx cerdo, C. scopolii and Prionus coriarius.

35659 KUSCHEL, G. Los Curculionidae de la cordillera Chileno-Argentina. 1. Rev. Chilena de Ent. 2:229-279. Ref. Dec.19,1952. 421 R329
Includes new genera Nototactus, Galenactus, Micropolus, Antilophus, Nothofagius, Nothofaginus, Nothofaginoides, Wittmerius, Nothofagobius, Epaetius, Aoratolcus, Malaiserhinus, Epembates, Planus, Araucarietius and Eisinguis; new species in Megalometis, Strangaliodes, Dasydema, Aegorhinus, Smicronyx, Omoides.

35660 LANE, F. Neotropical Cerambycidae. II. (In Portuguese.) Arq. de Zool. do Estado de São Paulo 7:363-377. Ref. 1951. 410 Ar6
English summary.
Includes new subfamilies Bothriospilinae, Pleiarthrocerinae and Diorinae.

35661 LANGE, K. Der käfer, aus dem ein Gott wurde. Orion 7:964-967. Dec.1952. 474 Or4

35662 LARGE, E. C. Thanks to the Colorado beetle [Leptinotarsa decemlineata]. Gt. Brit. Min. Agr. Agriculture 59:463-468. Jan.1953. 10 G79J

35663 LORDELLO, L. G. E. Insects living on Passiflora. 2. Contribution to the knowledge of Cacoscelis famelica (F.,1787) (Col., Chrysomelidae). (In Portuguese.) Dusenia 3:387-393. Sept.30,1952. 410 D94
English summary.

35664 MALLO, R.G. "Bichos moros" de la papa. Agron. y Vet. 2(12):15-16. June 1952. 9 Ag882
Epicauta spp.

35665 MARTINEZ, A. Insectos nuevos o poco conocidos. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):27. Oct.1952. 9 Id3
Revision of the subgenus Bolborhinum of the genus Bolboceras.

35666 MASSEY, C. L. Engelmann beetle. Amer. Forests 59(2):31,51. Feb.1953. 99.8 F762
Dendroctonus engelmanni.

35667 MEDVEDEV, S. I. Zhestkokrylye [Coleoptera]: Plastinchatousye (Scarabaeidae); subfam. Melolonthinae. Pt. 2. (Khrushchi) [Cockchafers]. Moskva,Akademiîa Nauk SSSR,1952. 274 p. (Zoologicheskiĭ Institut Akademii Nauk SSSR. Novaîa Seriîa 52. Fauna SSSR. v. 10, No. 2) 427 F274

35668 MONRÓS, F. Notas sobre algunas Eumolpinae neotropicales (Coleoptera Chrysomelidae). Rev. Chilena de Ent. 2:187-196. Dec.19,1952. 421 R329
English summary.
Includes new genera Crowsonia and Philippimolpus; new species in Habrophora.

35669 MURBACH, R. La lutte contre le gros charançon de la tige du colza (Ceuthorrhynchus napi Gyll.). Rev. Romande d'Agr. de Viticult. et d'Arboricult. 8:95-96. Dec.1952. 17 J82A

35670 NEILSON, C. L., and FINLAYSON, D. G. Notes on the biology of the tuber flea beetle, Epitrix tuberis Gentner (Coleoptera: Chrysomelidae), in the interior of British Columbia. Canad. Ent. 85:31-32. Jan.1953. 421 C16

35671 NICKELS, C. B. Control of the pecan weevil [Curculio caryae] in Texas. J. Econ. Ent. 45:1099-1100. Dec.1952. 421 J822

35672 PARK, O., AUERBACH, S., and WILSON, M. Pselaphid beetles of an Illinois prairie: the population. Ecol. Monog. 23:1-15. Ref. Jan.1953. 410 Ec72

35673 PAULIAN, R. Bolboceras kochi n. sp. (Coleoptera; Geotrupidae). Transvaal Mus. Ann. 22:59-61. Nov.4,1952. 515 T68

35674 PERICART, G., and PERICART, J. Un Coléoptère Curculionidae nouveau pour la faune continentale française: Anthonomus amygdali Hust. Entomologiste 8: 91-92. 1952. 421 En814

35675 PIC, M. Coleopteres Heteromeres nouveaux de l'Afrique australe. Transvaal Mus. Ann. 22:63-65. Nov.4,1952. 515 T68
In Psilonycha, Helopsisomira n.g.; Othelecta and Cylindrothorus.

35676 PIC, M. Coléoptères nouveaux du Kilimanjaro. Ann. & Mag. Nat. Hist. (ser.12)6:77-78. Jan.1953. 410 An77
In Ptilodactyla, Biophinina [i.e. Biophidina] and Pseudocistela.

35677 RIVALIER, E. Mission de l'Office National Anti-Acridien au Nord-Tchad en 1949. Cicindelidae récoltés par M. Bruneau de Miré. Rev. Franç. d'Ent. 19: 212-214. Dec.30,1952. 421 R323

35678 ROBERT, A. Contribution à l'étude du comportement du Neoclytus acuminatus (Fab.) et de son parasite, l'Helconidea ligator (Say). (Sum.) Assoc. Canad.-Franç. pour l'Avanc. des Sci. Ann. 18:102-105. 1952. 517 M76

35679 RUI, D., and BELLAVITE, F. Biological and therapeutical observations on the potato doryphore [Leptinotarsa decemlineata]. (In Italian.) Informatore Agr. 8:249. (Concl.) Dec.4,1952. 281.8 In32

35680 RUNGS, C. Notules sur quelques Coléoptères Cerambycidae marocains. Soc. Ent. de France. B. 57:83-86. 1952. 420 F84B

35681 MONRÓS, F. Descripciones de "Clytrinae" americanas (Col., Chrysomelidae). Rev. Bras. de Biol. 12:349-362. Dec.1952. 442.8 R326
English summary.
Includes new species in Gynandrophthalma, Coscinoptera, Dinophthalma, Dachrys, Urodera, Aratea, Minturnia, Megalostomis, Ischiopachys, and Euryscopa.

35682 RITCHER, P. O., and others. Control of rootworms affecting peanuts. J. Econ. Ent. 45:965-969. Dec. 1952. 421 J822
W. M. Kulash, E. T. York, and W. E. Cooper, joint authors.
Diabrotica undecimpunctata howardi.

35683 SCHEDL, K. E. Neotropische Scolytoidea. III. 110. Beitrag zur morphologie und systematik der Scolytoiden. Dusenia 3:343-366. Sept.30,1952. 410 D94
Includes new species in Loganius, Ceratolepis, Eupagiocerus, Sternobothrus, Cnesinus, Scolytodes, Hexacolus, Coccotrypes, Cryphalomorphus, Microcorthylus, Xyleborus, Platypus and Cenocephalus.

35684 SCHEDL, K. E. Zur synonymie der borkenkäfer. I. 121. Beitrag zur morphologie und systematik der Scolytoidea. Ent. Bl. 47/48:158-164. 1951/52. 421 En833

35685 SCHEERPELTZ, O. A new species of the genus Oxytelus (Col.-Staphylinidae) from South Africa. 4th contribution to the knowledge of African Staphylinidae. Transvaal Mus. Ann. 22:37-40. Nov.4,1952. 515 T68

35686 SCHEERPELTZ, O. Revision der gattung Piestus Gravh. (Coleoptera Staphylinidae). Rev. Chilena de Ent. 2:281-305. Dec.19,1952. 421 R329
Includes new species.

35687 SCHMIDT, H. Holzbohrkäfer (Bostrychidae). Holz als Roh- u. Werkst. 10:449-450. Ref. Nov.1952. 99.81 H74

35688 SEBELIN, C. Zum auftreten von Araecerus fasciculatus De G. in Hamburg. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:16. 1952. 68.39 H17

35689 SMETANA, A. Eine neue art der Staphylinidengattung Gabrius Steph. aus der nächsten verwandtschaft des Gabrius splendidulus Grav. (1. Beitrag zur kenntnis der gattung Gabrius Steph. der paläarkt. region). Ent. Bl. 47/48:121-122. 1951/52. 421 En833

35690 STIRTZ, T. Holzbohrkäfer in fichtenrinde. Leder 3:273-274. Nov.15,1952. 303.8 L492
English summary.
Stephanopachys substriatus.

35691 STRANEO, S. L. New Pterostichini. VII. (In Italian.) Doriana 1(21),4 p. Dec.7,1951. 410 D73
In Caelostomus, Rhagadillius n.g. and Celioschesis.

35692 STRANEO, S. L. New Pterostichini (Coleopt. Carabid.). (In Italian.) Doriana 1(28),8 p. July 30,1952. 410 D73
In Feroniola and Metius.

35693 TECHNAU, G. Tierische holzschädlinge, ihre lebensweise und bekämpfung. Holztechnik 32:621-623. Nov.1952. 99.82 H745
Chiefly Coleoptera.

35694 TELLA, R. DE. A contribution to the knowledge of Agathomerus sellatus Germ. (Col., Megalopodidae). (In Portuguese.) Rev. de Agr. [Piracicaba] 27:373-376. Nov./Dec.1952. 9.2 R324
English summary.

35695 THÉODORIDÈS, J., and HEERDT, P. F. VAN. Nouvelles recherches écologiques sur les Nécrophores (Coleoptera Silphidae): comparaison des résultats du terrain avec ceux du laboratoire (thermopreferendum et hygropreferendum). Physiol. Compar. et Oecologia 2: 297-309. Ref. June 30,1952. 444.8 P56
English summary.

35696 TJIEN MO, T. Putul, kumbang-lundi padi gogo [Putul, the upland rice cockchafer] (Holotrichia helleri Brsk.). Indonesia. Gen. Agr. Res. Sta. Contrib. 130,34 p. Ref. July 1952. 109.5 Ea73
English summary.

35697 TOLEDO, A. A. DE. Preliminary notes on the control of the banana root borer, Cosmopolites sordidus Germ. (In Portuguese.) Biológico 18:145-152. Sept.1952. 442.8 B529

35698 TRESSENS, F. Contribution à la faune des Coléoptères du Bas-Quercy et ses affinités. Entomologiste 8:80-90. (Concl.) 1952. 421 En814

35699 UEKI, K. The control of azuki bean weevil (Callosobruchus chinensis L.) by benzene hexachloride. (In Japanese.) Botyu-Kagaku 17:103-106. Sept.1952. 421 B65
English summary.

35700 VAN EMDEN, F. I. On the taxonomy of Rhynchophora larvae: Adelognatha and Alophinae (Insecta: Coleoptera). Zool. Soc. London. Proc. 122:651-795. Ref. Nov.1952. 410.9 L84P

35701 VAN LEEUWEN, E. R. Fumigation of chestnuts with methyl bromide to control weevils [Curculio auriger]. J. Econ. Ent. 45:1088-1089. Dec.1952. 421 J822

35702 VAN LEEUWEN, E. R. Life history and habits of the chestnut weevils [Curculio auriger and C. proboscideus]. J. Econ. Ent. 45:1089-1091. Dec.1952. 421 J822

35703 VENTURI, F. Leptinotarsa decemlineata on potatoes. (In Italian.) Informatore Fitopatol. 2(7 sup.): 1-4. Apr.20,1952. 464.8 In3

35704 VICINI, L. The "regime" of the wireworm [Melolontha melolontha]. (In Italian.) Informatore Fitopatol. 2:159-160. Oct.15/30,1952. 464.8 In3

35705 WHITE, M. G. A note on the presence of Eurythyrea austriaca L. (Col., Buprestidae) in silver fir from Yugoslavia. Ent. Mon. Mag. 89:31-32. Feb.1953. 421 En86

35706 WILCOX, J. A. New species of Galerucinae and Alticinae with notes on other species (Coleoptera: Chrysomelidae). Ohio J. Sci. 53:51-58. Jan.1953. 410 Oh3
In Triarius, Exora, Luperaltica and Monomacra.

35707 WITTMER, W. New Coleoptera; Malachiidae from Africa. 4th contribution towards the knowledge of African malacoderms. Transvaal Mus. Ann. 22:67-72. Nov.4,1952. 515 T68
In Troglops, Dinometopus and Matopius.

35708 WITTMER, W. 13. Beitrag zur kenntnis der neotropischen Malacodermata (Coleoptera). Rev. Chilena de Ent. 2:197-205. Dec.19,1952. 421 R329
Includes new subgenera and species in Discodon and Silis; new species in Plectonotum, Oontelus and Polemius.

35709 WOOD, S. L. Observations on the homologies of the copulatory apparatus in male Coleoptera. Ent. Soc. Amer. Ann. 45:613-617. Dec.1952. 420 En82

DIPTERA

35710 ABALOS, J. W. Los flebotomos son insectos transmisores de varias enfermedades en el Norte del pais. Mundo Agr. 4(43):70-71. Dec.1952. 9 M92
Argentina.

35711 ACZEL, M. L. El genero Euaresta Loew (= Camaromyia Hendel) en la region neotropical (Diptera Trypetidae). Rev. Chilena de Ent. 2:147-172. Ref. Dec.19,1952. 421 R329
English summary.

35712 ALEXANDER, C. P. Los insectos de las Islas Juan Fernandez. 5. Tipulidae (Diptera). Rev. Chilena de Ent. 2:35-80. Dec.19,1952. 421 R329
Text in English.
Includes new species in Limonia, Shannonomyia and Molophilus.

35713 ALEXANDER, C. P. New or insufficiently-known crane-flies from Chile (Family Tipulidae, Order Diptera). IV. Chile. Dir. Gen. de Agr. Agr. Tec. 11:99-118. Dec.1951. 464.9 C432B
Includes new species in Holorusia, Tipula, Limonia, Limnophila, Cryptolabis, Amphineuris, and Molophilus.

35714 AUBER, J. Note sur un Diptère pupipare, ses parasites et hyperparasites. Entomologiste 8:90-91. 1952. 421 En814
Ornitheza metallica.

35715 BARNHART, C. S., and CHADWICK, L. E. A "fly factor" in attractant studies. Science 117:104-105. Jan.30,1953. 470 Sci2

35716 BIRD, M. J., and FAHMY, O. G. Cytogenetic analysis of the action of carcinogens and tumour inhibitors in Drosophila melanogaster. I. Roy. Soc. London. Proc. Ser. B, Biol. Sci. 140:556-578. Ref. Jan.15,1953. 501 L84B

35717 BLANCHARD, E. E. Lopesimyia, un nuevo género de sarcofágido argentino (Dipt.). Argentina. Dir. Gen. de Invest. Agr. IDIA 5(57):9. Sept.1952. 9 Id3

35718 BORYSKO, E. An electron microscope study of the giant chromosomes of Diptera by means of sections. Johns Hopkins Hosp. B. 92:151-158. Ref. Feb.1953. 448.8 J63B

35719 BOYES, J. W. A multiple sex-chromosome mechanism in a root maggot, Hylemya fugax. J. Hered. 43:195-199. Ref. Sept./Oct.1952. 442.8 Am3

35720 BRIQUET, R. Considerations on phenocopias. (In Portuguese.) Agronomia [Rio de Janeiro] 11:83-86. Ref. Jan./Mar.1952. 9.2 Ag892
Genetics, with particular reference to Drosophila.

35721 BUEI, K. Experimental observations on the life cycle and ovipositing activity of the house fly, Musca domestica vicina Macq. (In Japanese.) Botyu-Kagaku 17: 133-138. Ref. Dec.1952. 421 B65
English summary.

35722 BURTT, E. The occurrence in nature of tsetse pupae (Glossina swynnertoni Austen). Acta Trop. 9:304-344. Ref. 1952. 475 Ac8

35723 BUSVINE, J. R. Forms of insecticide-resistance in houseflies and body lice. Nature [London] 171: 118-119. Jan.17,1953. 472 N21

35724 CARRERA, M. Contribution to the knowledge of the neotropical Asilidae (Diptera). I. On the Brazilian species with a spur on the tibia. (In Portuguese.) Arq. de Zool. do Estado de São Paulo 7:1-148. Ref. 1951. 410 Ar6
English summary.
Includes new tribe Megapodini; new genera Aspidopyga, Neodiogmites, Lastauroides, Lastauronia, Lastauropsis, Lastaurax, Araiopogon and Cleptomyia; new species in Lastaurus, Diogmites, Blepharepium, Caenarolia, Senobasis, Pseudorus, Macrocolus and Mirolestes.

35725 CLARK, F. C. Warble [Hypoderma] control campaign—1953. Butter-fat 30(11):19. Feb.1953. 44.8 B98

35726 CORTES, R. Los insectos de las Islas Juan Fernandez. 9. Tachinidae (Diptera). Rev. Chilena de Ent. 2:109-111. Dec.19,1952. 421 R329
English summary.
Includes new species in Phantasiosiphona.

35727 DALMAT, H. T., and GIBSON, C. L. A study of flight range and longevity of blackflies (Diptera, Simuliidae) infected with Onchocerca volvulus. Ent. Soc. Amer. Ann. 45:605-612. Dec.1952. 420 En82

35728 DE MEILLON, B. A new species of Culicoides (Diptera: Ceratopogonidae) from Uganda. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:173. Dec.19,1952. 420 L84Pb
C. bwambanus.

35729 DIAS, J. A. T. S. A curious accident observed from nature to a Glossina brevipalpis Newstead, 1910. (In Portuguese.) Inst. de Med. Trop. An. 8:357-361. Sept.1951. 448.9 L68
English summary.

35730 DIAS, J. A. T. S. Results of a Glossina survey in various areas of South Save Province. (In Portuguese.) Inst. de Med. Trop. An. 8:313-356. Ref. Sept.1951. 448.9 L68
English summary.

35731 DIAS, J. A. T. S., and ZUMPT, F. Results of a zoologic survey in Alto Limpopo. I-II. Moçambique 70:41-110. Ref. Apr./June 1952. 110 M71
I, Organization of the expedition; study of Glossina and Ixodid fauna. and list of their animal hosts. (In Portuguese with English summary); II, Two new Sarcophaga species from Moçambique (Diptera: Calliphoridae).

35732 DOANE, C. C., and CHAPMAN, R. K. Onion maggot [Hylemya antiqua] control. Hyman, Julius, & Co. S 352,3 p. Apr.14,1952. 423.9 H99S

35733 DONOSO, R. Consideraciones sobre Sarconesia chlorogaster minor Enderlein, y su validez sistematica (Diptera Calliphoridae). Rev. Chilena de Ent. 2:185-186. Dec.19,1952. 421 R329

35734 DOSSE, G. Versuche zur bekämpfung von kohlschädlingen (Chortophila [i.e. Hylemya] brassicae Bchê und Blaniulus guttulatus Bosc.). Anz. f. Schädlingsk. 26:6-9. Jan.1953. 421 An9

35735 DRESDEN, D., and OPPENOORTH, F. J. Residual effect, skin application and injection of γ-hexachlorocyclohexane in Drosophila melanogaster. B. Ent. Res. 43:581-586. Jan.1953. 421 B87

35736 ETCHEVERRY, M. Syrphidae de la Provincia de Tarapaca (Diptera). Rev. Chilena de Ent. 2:307-310. Dec.19,1952. 421 R329
English summary.

35737 FAIRCHILD, G. B., and HERTIG, M. Notes on the Phlebotomus of Panama. IX. Descriptions of seven new species. Ent. Soc. Amer. Ann. 45:505-528. Dec. 1952. 420 En82

35738 FIEDLER, O. G. H., and DU TOIT, R. The use of the modern synthetic insecticides in blowfly strike of sheep. So. African Vet. Med. Assoc. J. 23:225-233. Dec. 1952. 41.8 So8

35739 FINGERMAN, M., and BROWN, F. A. Color discrimination and physiological duplicity of Drosophila vision. Physiol. Zool. 26:59-67. Jan.1953. 410 P56

35740 FRAILE, A., and SANG, J. H. Mutaciones letales en "Drosophila melanogaster." Genet. Iberica 3:183-186. 1951. 443.8 G28

35741 FREDEEN, F. J. H., and others. Mass tagging of black flies (Diptera: Simuliidae) with radiophosphorus. Canad. J. Zool. 31:1-15. Ref. Feb.1953. 470 C16D
J. W. T. Spinks, J. R. Anderson, A. P. Arnason, and J. G. Rempel, joint authors.

35742 FRUIT fly; Bottle infestation by fruit fly, or Drosophila, is a recurrent problem in the milk industry. Milk Indus. 33(7):60-62. Jan.1953. 44.8 M593

35743 GERSDORFF, W. A., NELSON, R H., and MITLIN, N. Sulfoxide and 3,4-methylenedioxybenzyl n-propyl ether in pyrethrum and allethrin mixtures as house fly sprays. J. Econ. Ent. 45:905-908. Dec.1952. 421 J822

35744 GREEN, M. M. The Beadex locus in Drosophila melanogaster: on the nature of the mutants Bx^r and Bx^1. Genetics 38:91-105. Ref. Jan.1953. 442.8 G28

35745 HARDY, G. H. The phylogeny of Diptera. 2. Dolichopodidae. Ent. Mon. Mag. 89:7-11. Jan.1953. 421 En86

35746 HERSKOWITZ, I. H. Electron microscopy of salivary gland chromosomes of Drosophila, using the grid-smear technique. J. Hered. 43:227-232. Ref. Sept./Oct.1952. 442.8 Am3

35747 HUCKETT, H. C. Males of the genus Hylemya sens. lat. from North America, having dorsal bristles on mid metatarsus, with descriptions of new species, (Muscidae, Diptera). Brooklyn Ent. Soc. B. 48:10-19. (Cont.) Feb.1953. 420 B79

35748 JACKSON, C. H. N. Seasonal variations in the mean size of tsetse flies [Glossina]. B. Ent. Res. 43:703-706. Jan.1953. 421 B87

35749 JONES, E. W., and others. Sugar-beet root maggot [Tetanops myopaeformis] control experiments. Hyman, Julius, & Co. S 313,9 p. 1952. 423.9 H99S
J. R. Douglass, C. P. Parrish, and V. Jensen, joint authors.

35750 KAHN, N. H. Oviposition and hatching in some species of Tabanidae (Diptera). Ent. Soc. Amer. Ann. 45: 550-552. Dec.1952. 420 En82

35751 KEMPER, Lausfliegen. Ent. Kolloquium 23, 4 p. Feb.1,1952. 420 B45

35752 KERR, W. E., and KERR, L. S. Concealed variability in the X-chromosome of Drosophila melanogaster. Amer. Nat. 86:405-408. Nov./Dec.1952. 470 Am36

35753 KING, R. C. Reduction in productivity and recessive lethal mutation following X-irradiation of female Drosophila melanogaster. Amer. Nat. 86:391-398. Ref. Nov./Dec.1952. 470 Am36

35754 KNIPE, F. W., and FRINGS, H. An improved cage for flies. J. Econ. Ent. 45:1099. Dec.1952. 421 J822

35755 KÜHL, R., and SEILER, R. Ergebnisse der abdasselungsversuche auf Allgäuer Alpen im sommer 1951. Auf der Alpe 11:83-84. Nov.1952. 18 Au3
Hypoderma.

35756 LANE, J. Neotropical "Tetragoneura" (Diptera, Mycetophilidae, Sciophilinae). Rev. Bras. de Biol. 12:401-409. Dec.1952. 442.8 R326

35757 LESHER, S. Studies on the larval salivary gland of Drosophila. III. Anat. Rec. 114:633-651. Ref. Dec.1952. 447.8 An1

35758 LEWIS, D. J. Simulium damnosum and its relation to onchocerciasis in the Anglo-Egyptian Sudan. B. Ent. Res. 43:597-644. Ref. Jan.1953. 421 B87

35759 MACKERRAS, I. M., and MACKERRAS, M. J. Apistomyia collini Bezzi (Diptera, Blepharoceridae) in North Queensland. Roy. Soc. Queensland. Proc. 62:29-32. Sept.1952. 514 B775

35760 MALOGOLOWKIN, C. Notes on Zygothrica dispar (Diptera, Drosophilidae). (In Portuguese.) Rev. Bras. de Biol. 12:455-457. Dec.1952. 442.8 R326
English summary.

35761 MEHTAB, M. Chromosomal re-arrangements in the progeny of Drosophila males treated with mustard gas. Nature [London] 171:262. Feb.7,1953. 472 N21

35762 MELLINI, E. The fruit fly (Ceratitis capitata Wied.). (In Italian.) Informatore Fitopatol. 2(5,sup.):4-5. Mar.15,1952. 464.8 In3

35763 MILES, M. Studies of British anthomyiid flies. B. Ent. Res. 43:591-596. Jan.1953. 421 B87

35764 MITLIN, N., GERSDORFF, W. A., and NELSON, R. H. Toxicity to the house fly of two chlorinated turpentines in space sprays. J. Econ. Ent. 45:1083. Dec.1952. 421 J822

35765 MUSCHAMP, P. A. H. A note on Chrysops melicharii Mikan. Ent. Rec. & J. Variation 65:28-29. Jan.15,1953. 421 En89

35766 NAGASAWA, S. On the difference in resistability of adult female and male of the common housefly, Musca domestica L., against DDT. Studies on the biological assay of insecticides. XXIII. (In Japanese.) Botyu-Kagaku 17:123-133. Ref. Dec.1952. 421 B65
English summary.

35767 NAGASAWA, S. On the difference in susceptibility of adults of the common housefly (Musca domestica L.) reared from horse manure medium and soya bean by-product medium against the knock down effect of DDT powder. Studies on the biological assay of insecticides. XXII. (In Japanese.) Botyu-Kagaku 17:99-103. Ref. Sept.1952. 421 B65
English summary.

35768 NAGASAWA, S. On the knock down effect of the α-dl-trans-allethrin powder to adults of the common housefly (Musca domestica L.). Studies on the biological assay of insecticides. XXI. (In Japanese.) Botyu-Kagaku 17:93-99. Sept.1952. 421 B65
English summary.

35769 NAGASAWA, S. On the relation between size of the settling dust apparatus and knock down effect of p,p'-DDT powder to adults of the common housefly (Musca domestica L.). Studies on the biological assay of insecticides. XXIV. (In Japanese.) Botyu-Kagaku 17:138-143. Ref. Dec.1952. 421 B65
English summary.

35770 NIJVELDT, W. Phaenobremia aphidiphora Rübs. (Diptera, Itonididae) a predator on Aphis frangulae Kltb. (In Dutch.) Ent. Ber. 14:193-195. Jan.1,1953. 420 N38B
English summary.
New geographical record for the Netherlands.

35771 ORR, R. T. Vinegar fly control. Canner 116(7): 22,24. Feb.14,1953. 286.83 C16

35772 ORTIZ, I. Nota sobre la presencia de "Culicoides eublepharus" Macfie, 1948 (Diptera, "Ceratopogonidae") en Venezuela. Descripción de la armadura genital del macho. Acta Cient. Venezol. 3:129. July/Aug. 1952. 475 Ac83

35773 ORTIZ, I., and MIRSA, M. Sobre las especies americanas del género "Culicoides" Latr., (Díptera, "Ceratopogonidae") con una espermateca. Acta Cient. Venezol. 3:125-128. July/Aug.1952. 475 Ac83

35774 OSTER, I. I. A study of ultraviolet induced lethal mutations in Drosophila melanogaster. Heredity 6:403-407. Ref. Dec.1952. 443.8 H42

35775 OWEN, D. F. Records of Protocalliphora azurea Fall. from bird's nests in Berkshire. Ent. Rec. & J. Variation 65:31-32. Jan.15,1953. 421 En89

35776 PARMENTER, L. Some records of bred Tachinidae. Ent. Rec. & J. Variation 65:29-31. Jan.15, 1953. 421 En89

35777 PATTERSON, J. T., and STONE, W. S. Evolution in the genus Drosophila. New York,Macmillan, 1952. 610 p. 428 P27E

35778 PRINGLE, G. The sandflies (Phlebotominae) of Iraq. B. Ent. Res. 43:707-734. Ref. Jan.1953. 421 B87
Includes new species in Sergentomyia.

35779 RAO, A. S. A gall midge (Itonididae: Diptera) pest of castor in India. Cur. Sci. 21:347-348. Dec.1952. 475 Sci23
Asphondylia ricini.

35780 RAYMENT, T. A wanderer in wax. Roy. Zool. Soc. N. S. Wales. Proc. 1951/52:31-35. Nov.5,1952. 410.9 N48P
Tenthredomyia ornata.

35781 RIZKI, M. T. M. Pattern of pigmentation associated with Drosophila [willistoni] lethals. Amer. Nat. 86:409-412. Ref. Nov./Dec.1952. 470 Am36

35782 ROAN, C. C. Reactions of oriental fruit fly [Dacus dorsalis] to high temperatures and various relative humidities. J. Econ. Ent. 45:920-925. Dec.1952. 421 J822

35783 ROBERTS, I. H., LOFGREN, J. A., and BERNDT, W. L. Tests with insecticide formulations for the destruction of cattle grubs [Hypoderma]. J. Econ. Ent. 45:909-913. Dec.1952. 421 J822

35784 ROSILLO, A. Ensayos de atracción de moscas de la fruta con distintos cebos. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):20. Oct.1952. 9 Id3

35785 ROSILLO, A. Restultados preliminares de un estudio ecológico del Trypetidae del Noroeste Argentino. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):20. Oct.1952. 9 Id3

35786 RUPP, H. Contribution à la lutte contre les tsétsés. Influence "d'étoffes attractives," imprégnées de DDT, sur Glossina palpalis, ssp. martinii Zpt. Acta Trop. 9:289-303. Ref. 1952. 475 Ac8
English summary.

35787 SATCHELL, G. H. Los insectos de las Islas Juan Fernandez. 8. Psychodidae (Diptera). Rev. Chilena de Ent. 2:105-107. Dec.19,1952. 421 R329
Text in English.
Includes new species in Psychoda.

35788 SCHÖNE. Eine erfolgreiche bekämpfung der kirschfruchtfliege [Rhagoletis cerasi]. Gesunde Pflanzen 4:295-296. Nov.1952. 464.8 G33

35789 SCHOOF, H. F., SIVERLY, R. E., and COFFEY, J. H. Dieldrin as a chemical control material on community fly control programs. Hyman, Julius, & Co. S 414, 6 p. Aug.18,1952. 423.9 H99S

35790 SEGUY, E. Un nouveau Stratioleptis de Mandchourie (Dipt. Coenomyiidae). Rev. Franç. d'Ent. 19:243-244. Dec.30,1952. 421 R323

35791 SHAW, M. W. Carrot fly [Psila rosae] control. Scot. Agr. 32:152-158. Ref. Winter 1952/53. 10 Sco82So

35792 SOTAVALTA, O. On the difference and variation of the wing-stroke frequency in wing mutants of Drosophila melanogaster Mg. (Dipt., Drosophilidae). Suomen Hyonteistieteellinen Aikakausk. 18:57-64. 1952. 421 Su7
A preliminary note.

35793 SPANN, J. Die sesshaftigkeit der dasselfliege; eine wichtige erkenntnis für die praktische bekämpfung. Auf der Alpe 1:1-2. Jan.1953. 18 Au3
Hypoderma.

35794 STAIGER, H., and GLOOR, H. Mitosehemmung und polyploidie durch einen letalfaktor (lpl letal-polyploid) bei Drosophila hydei. Chromosoma 5:221-245. Ref. 1952. 442.8 C46

35795 STEVENSON, R., and ST. CLAIR, J. H. Temperature as a factor in size and activity of wild populations of Drosophila. Tenn. Acad. Sci. J. 28:43-48. Ref. Jan.1953. 500 T25A

35796 STUARDO, C., and CORTES, R. Nuevo nombre para un genero de Syrphidae chileno de R. A. Philippi (Diptera). Rev. Chilena de Ent. 2:311. Dec.19,1952. 421 R329
Aneriophora n.n. for Eriophora Philippi 1865.

35797 STUMPF, H. Elektrophysiologische untersuchung des farbensehens von fliegen (Calliphora). Naturwissenschaften 39:574-575. Dec.15,1952. 474 N213

35798 STURTEVANT, F. M. Studies on the mutagenicity of phenol in Drosophila melanogaster. J. Hered. 43:217-220. Ref. Sept./Oct.1952. 442.8 Am3

35799 SWAIN, R. B. Smear EQ-335 to kill torsalo [Dermatobia hominis] larvae. J. Econ. Ent. 45:1101. Dec.1952. 421 J822

35800 SWANSON, L. E., and GOEN, O. F. Screwworms [Callitroga americana] and their control. Fla. Agr. Col. Ext. C. 107,4 p. Sept.1952. 275.29 F66C

35801 THOMPSON, W. R. The tachinid parasites of Archips cerasivorana Fitch. 1. Dichaetoneura leucoptera Johns. (Diptera). Canad. Ent. 85:19-30. Ref. Jan.1953. 421 C16

35802 TURICA, A. Ensayos en el Delta del Parana para control de las moscas de la fruta. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):20. Oct.1952. 9 Id3

35803 VAILLANT, F. Quelques Limoniidae a larves hygropétriques (Diptera). Rev. Franç. d'Ent. 19:244-251. Dec.30,1952. 421 R323
Includes a new species in Dicranomyia.

35804 VENTURI, F. The olive harvest and the fly [Dacus oleae]. (In Italian.) Informatore Fitopatol. 2: 17-19. Feb.15,1952. 464.8 In3

35805 VIALE, E. Los insecticidas orgánicos en la lucha contra el nuche [Dermatobia hominis] y la garrapata. Agr. Trop. 8(12):11-12. Dec.1952. 26 Ag8

35806 WEINER, R. Super-fly. Westralian Farmers' Co-op Gaz. 23:91,93. Sept.1952. 280.28 W522
Resistance of Musca domestica to DDT.

35807 WILLIAMS, D. D. A simple Drosophila trap for wet weather collecting. Brooklyn Ent. Soc. B. 48:24-25. Feb.1953. 420 B79

35808 WIRTH, W. W. Los insectos de las Islas Juan Fernandez. 7. Heleidae and Tendipedidae (Diptera). Rev. Chilena de Ent. 2:87-104. Ref. Dec.19,1952. 421 R329
Text in English.
Includes new species in Forcipomyia, Dasyhelea, Podonomus, Hydrobaenus and Clunio.

35809 WITTWER, M., and MÜLLER, G. Versuche mit einem neuen nebelverfahren zur bekämpfung der kirschenfliege (Rhagoletis cerasi L.). Schweiz. Z. f. Obst- u. Weinbau 62:11-15. Jan.10,1953. 80 Sch9

35810 WYGODZINSKY, P. Los insectos de las Islas Juan Fernandez. 6. Simuliidae (Diptera). Rev. Chilena de Ent. 2:81-85. Dec.19,1952. 421 R329
English summary.
Includes new species in Gigantodax.

Culicidae

35811 BAILEY, S. F., and BOHART, R. M. A mosquito survey and control program in Guam. J. Econ. Ent. 45:947-952. Dec.1952. 421 J822

35812 CAPINPIN, R. I. A preliminary report on cane bagasse impregnated with dieldrex 15 as a means of controlling mosquito larvae. Hyman, Julius, & Co. S 416,5 p. Aug.29,1952. 423.9 H99S

35813 DAKSHINAMURTY, S. Planning malaria control in multipurpose projects. Irrig. & Power 9:122-124. Jan.1952. 55.9 In222C
Control of mosquito larvae.

35814 DDT IN Sardinia. Fortune 47(3):113-120. Mar.1953. 110 F772
Drawings by C. Nivola.
Anopheles control.

35815 DECOURSEY, J. D., and WEBSTER, A. P. Effect of insecticides and other substances on oviposition by Aëdes sollicitans. J. Econ. Ent. 45:1030-1034. Dec. 1952. 421 J822

35816 DECOURSEY, J. D., and WEBSTER, A. P. A method of clearing the chorion of Aedes sollicitans (Walker) eggs and preliminary observations on their embryonic development. Ent. Soc. Amer. Ann. 45:625-632. Dec.1952. 420 En82

35817 FISHER, W. B. Quelques facteurs geographiques de la répartition de la malaria en Moyen-Orient. Ann. de Geog. 61:263-274. July/Aug.1952. 473 An75
Distribution of Anopheles.

35818 GALINDO, P., CARPENTER, S. J., and TRAPIDO, H. The taxonomic status of the Aedes leucocelaenus complex with descriptions of two new forms (Diptera, Culicidae). Ent. Soc. Amer. Ann. 45:529-542. Dec.1952. 420 En82

35819 GHANI, A. R., and HAMID, A. Malaria in Pakistan; a reading list. n.p.,1952. p.144-155. 241.71 G34

35820 GT. BRIT. CENTRAL OFF. OF INFORMATION. REFERENCE DIV. Malaria control in the United Kingdom dependencies. London,1952. 19 p. (Its R 2468) 448 G7993
Includes mosquito control.

35821 HORSFALL, W. R., MILES, R. C., and SOKATCH, J. T. Eggs of floodwater mosquitoes. I. Species of Psorophora (Diptera: Culicidae). Ent. Soc. Amer. Ann. 45:618-624. Dec.1952. 420 En82

35822 LEPINE, P. Les virus de encephalites saisonnieres et leur origine tropicale. Inst. de Med. Trop. An. 8:629-644. Ref. Dec.1951. 448.9 L68
Includes transmission by mosquitoes and ticks.

35823 LEVI-CASTILLO, R. Wyeomia (wyeomyia) aphobema var. aequatorialis var. n., a new sabethine mosquito from Ecuador (Diptera: Culicidae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:131-133. Oct.15,1952. 420 L84Pb

35824 O'ROURKE, F. J. Malaria in Canada. Canad. J. Pub. Health 44:38. Jan.1953. 449.8 P964
Anopheles as vectors.

35825 PINTO, M. R. Epidemiological types of yellow fever and laboratory methods for studying them. (In Portuguese.) Inst. de Med. Trop. An. 8:275-309. Ref. June 1951. 448.9 L68
Includes Aedes.

35826 QUTUBUDDIN, M. The emergence and sex ratio of Culex fatigans Wied. (Diptera, Culicidae) in laboratory experiments. B. Ent. Res. 43:549-565. Ref. Jan. 1953. 421 B87

35827 REPASS, R. P. Laboratory colonization of Aëdes triseriatus. J. Econ. Ent. 45:1076. Dec.1952. 421 J822

35828 SASA, M., and NAKAHASHI, Y. A new species of the Aedes (Finlaya) niveus subgroup of mosquito from Japan. Jap. J. Expt. Med. 22:257-265. Ref. June 1952. 448.8 J272
A. nippononiveus n. sp.

35829 SIPPEL, W. L., and BROWN, A. W. A. Studies of the responses of the female Aëdes mosquito. V. The role of visual factors. B. Ent. Res. 43:567-574. Jan. 1953. 421 B87

35830 THIEL, P. H. VAN, and WINOTO, R. M. P. Control of hyperendemic malaria in Java, caused by A. sundaicus, by DDT house-spraying. Acta Leidensia 22: 108-136. Ref. 1951,pub.1952. 448.9 L59

35831 THIEL, P. H. VAN, and WEURMAN, C. Observations physiques concernant les causes de la pénétration de l'Anopheles maculipennis var. atroparvus à jeun dans les locaux habités ou non par l'homme ou par le porc. Acta Leidensia 22:137-142. 1951,pub.1952. 448.9 L59

35832 WELLS, W. H. Malaria control in Venezuela. Med. Tech. B. 4:1-7. Jan./Feb.1953. 159 M46
Control of Anopheles by DDT.

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

35833 BJÖRLING, K. On the significance of different vectors of sugar beet virus yellows. Acta Agr. Scand. 2:258-278. Ref. 1952. 11 Ac82
Myzus persicae and Aphis fabae.

35834 BONGIOVANNI, G. C. Control of scale insects. (In Italian.) Informatore Fitopatol. 2:1-4. Jan.15,1952. 464.8 In3

35835 BONNEMAISON, L. Morphologie et biologie de la punaise ornée du chou (Eurydema ventralis Kol.) France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt. 3:127-272. Ref. Apr./June 1952. 464.9 F84An

35836 BORATYNSKI, K. L. Matsucoccus pini (Green, 1925) (Homoptera, Coccoidea: Margarodidae): bionomics and external anatomy with reference to the variability of some taxonomic characters. Roy. Ent. Soc. London. Trans. 103:285-326. Ref. Dec.10,1952. 420 L84

35837 BRANAS, J. Algunos de los problemas planteados por la invasion de la Filoxera en el viñedo frances. Mundo Agr. 5(44):59-61. Jan.1953. 9 M92

35838 CACHAN, P. Etude de la prédation chez les Réduvides de la région éthiopienne. 1. La prédation en groupe chez Ectrichodia gigas H.-Sch. Physiol. Compar. et Oecologia 2:378-385. June 30,1952. 444.8 P56
English summary.

35839 CANO DEL CASTILLO, A. Eliminación del afidio o piojo de las plantas en las huertas. Cám. de Com. e Indus. de Tegucigalpa. B. 6(72):45-47. Nov.1952. 287 T23

35840 CAPENER, A. L. Notes on the classification of certain African Membracidae with the addition of three new genera and four new species (Hemipt.—Homopt.). Ent. Soc. South. Africa. J. 15:101-121. Ref. Nov.30,1952. 420 En86
New genera Centrotobelus, Izzardiana, and Dukeobelus, new species in Tricoceps.

35841 CARTER, W. Organic phosphates as systemic insecticides on pineapple plants. J. Econ. Ent. 45:981-984. Dec.1952. 421 J822
Against Pseudococcus brevipes.

35842 CARVALHO, J. C. M. Los insectos de las Islas Juan Fernandez. 3. Miridae (Hemiptera) (Neotropical Miridae, LIV). Rev. Chilena de Ent. 2:21-27. Dec.19, 1952. 421 R329
Text in English.
Includes new species in Kuscheliana n.g., and Derophthalma.

35843 CHINA, W. E. A new subfamily of Microphysidae (Hemiptera—Heteroptera). Ann. & Mag. Nat. Hist. (ser.12)6:67-74. Jan.1953. 410 An77
Plokiophilinae new subfamily; Embiophila new genus; and Plokiophila new name for Arachnophila China and Myers 1929.

35844 COLLIAS, E. C., MCSHAN, W. H., and LILLY, J. H. Oxidative enzyme systems of the large milkweed bug, Oncopeltus fasciatus (Dallas), and the effect of sabadilla on them. J. Cell. & Compar. Physiol. 40:507-527. Ref. Dec.1952. 444.8 J822

35845 COUPIN, A. Le vignoble et les cicadelles [Chlorita flavescens] en 1952. Feuille d'Inform. Vitic. et Arbor. de Tunisie 30:2-9. Nov.1952. 80 F433

35846 CUMBER, R. A. Notes on the biology of Melampsalta cruentata Fabricius (Hemiptera-Homoptera: Cicadidae), with special reference to the nymphal stages. Roy. Ent. Soc. London. Trans. 103:219-237. Ref. Oct.29, 1952. 420 L84

35847 CUMBER, R. A. Studies on Oliarus atkinsoni Myers (Hem. Cixiidae), vector of the "yellow-leaf" disease of Phormium tenax Forst. New Zeal. J. Sci. & Technol. B. Gen. Res. Sect. 34:160-165. Nov.1952. 514 N48B

35848 DANTAS, B., FARIAS, E. L. DE, and FRANCO, E. Aerial spraying to control the "cigarrinha" [Tomaspis liturata ruforivulata] in Sergipe. (In Portuguese) Bras. Açucareiro 40:214-223. Ref. Aug.1952. 65.8 B73

35849 DRAKE, C. J., and HOBERLANDT, L. A new genus [Oiosalda] and species of Saldidae from South America (Hemiptera). Psyche 59:85-88. Sept.1952. 421 P95

35850 DUPUIS, C. Notes, remarques et observations diverses sur les Hémiptères, deuxième série: V. Ceresa bubalus (F.) en Touraine (Membracidae). Feuille des Nat. (n.s.)7:73. Sept./Oct.1952. 410 F432

35851 EMILSSON, B., and CASTBERG, C. Control of potato aphids by spraying with parathion and the effect on spread of virus Y. Acta Agr. Scand. 2:247-257. Ref. 1952. 11 Ac82

35852 FAULKNER, L. R. Hemipterous insect pests; their occurrence and distribution in principal cotton producing areas of New Mexico. N. Mex. Agr. Expt. Sta. B. 372,25 p. Aug.1952. 100 N465

35853 FELDMAN, A. E., and BAILEY, N. S. The taxonomic value of the ovipositor in the New England species of the genus Corythucha Stal (Hemiptera: Tingidae). Psyche 59:96-104. Sept.1952. 421 P95

35854 FENNAH, R. G. On the classification of the Tettigometridae (Homoptera: Fulgoroidea). Roy. Ent. Soc. London. Trans. 103:239-255. Ref. Oct.29,1952. 420 L84
Includes new subfamily Hildinae; new genera Phalix and Mesohilda.

35855 FLANDERS, S. E. Biological observations on parasites of the black scale [Saissetia oleae]. Ent. Soc. Amer. Ann. 45:543-549. Ref. Dec.1952. 420 En82
Hymenoptera, for control.

35856 GALLO, D. Coccidae on citrus. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:293-300. Sept./Oct.1952. 9.2 R324
Brazil.

35857 GOODCHILD, A. J. P. A study of the digestive system of the West African cacao capsid bugs (Hemiptera, Miridae). Zool. Soc. London. Proc. 122:543-572. Ref. Nov.1952. 410.9 L84P

35858 HEY, A. Verbreitung und bekämpfung virusübertragender blattläuse in beziehung zum auftreten von kartoffelvirosen im nachbau. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:181-187. Ref. Oct.1952. 464.9 N11

35859 HOFSTEN, C. G. VON. The fight against aphids on field crops. (In Swedish.) Lantmannen 37:123-125. Feb.7,1953. 11 L234

35860 JENKINS, C. F. H. Insect pests and their control; aphids. West. Austral. Dept. Agr. J. (ser.3) 1:661,663-666. Sept./Oct.1952. 23 W52J

35861 JOHNSON, C. G. The aerial dispersal of aphids. Discovery 14:19-22. Jan.1953. 472 D63

35862 KOCH, E. G. Untersuchungen über den einfluss von standort und sorte beim auftreten der pfirsichblattlaus Myzodes [i.e. Myzus] persicae Sulz. an kartoffeln in Hessen. Oberhess. Gesell. f. Nat.- u. Heilk. Ber. Natwiss. Abt. (n.s.)25:99-107. Ref. 1952. 509 G36N

35863 KONTKANEN, P. Beiträge zur kenntnis der Zikadenfauna Finnlands. VI. Suomen Hyonteistieteellinen Aikakausk. 18:26-34. Ref. 1952. 421 Su7

35864 KORMILEV, N. A. Los insectos de las Islas Juan Fernandez. 1. Lygaeidae (Hemiptera). Rev. Chilena de Ent. 2:7-14. Dec.19,1952. 421 R329
English summary.
Includes new tribe Robinsonocorini; new genus Robinsonocoris; and new species in Micrymenus.

35865 KRISHNASWAMY, S., and RAO, K. R. N. A note on the mealy bug—Pseudococcus virgatus Cockerell, on Gliricidia maculata H & B and its control. Madras Agr. J. 39:600-604. Dec.1952. 22 M262

35866 LA FOLLETTE, J. R., LEWIS, H. C., and RONEY, J. N. Leafhoppers on citrus in Arizona. Calif. Citrog. 38:141-142. Feb.1953. 80 C125

35867 LINNAVUORI, R. On some palearctic Hemiptera. Suomen Hyonteistieteellinen Aikakausk. 18:35-41. 1952. 421 Su7
Includes new species in Atomoscelis, Taeniophorus n.g., Geocoris and Adarrus.

35868 LINNAVUORI, R. Records of Hemiptera from the province of Savo, E. Finland. (In Finnish.) Suomen Hyonteistieteellinen Aikakausk. 18:64-75. 1952. 421 Su7
English summary.
Includes new species in Cicadula.

35869 LINNAVUORI, R. Studies on the ecology and phenology of the leafhoppers (Homoptera) of Raisio (S. W. Finland). Suomalaisen Eläin- ja Kasvitiet. Seuran Vanamon Eläintiet. Julkaisu. 14(6),32 p. Ref. 1952. 410.9 Su7E

35870 MAMET, R. A note on Stenaleyrodes vinsoni Takahashi (Hemiptera: Aleyrodidae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:134. Oct.15,1952. 420 L84Pb

35871 MAMET, R. On some Coccoidea collected by Mr. J. R. Williams in Réunion Island. (Hemiptera.). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:170-172. Dec.19,1952. 420 L84Pb

35872 MANCINI, C. New Hemiptera from East Africa. (In Italian.) Genoa. Mus. Civico di Storia Nat. Giacomo Doria. Ann. 65:145-149. 1951/52. 507 G28
In Holotrichius, Plinachtus, Myrochea, and Coptosoma.

35873 MASSEE, A. M. Hemiptera-Heteroptera noted in Cornwall in 1951. Ent. Mon. Mag. 89:17. Jan.1953. 421 En86

35874 METCALF, Z. P. Two genera of Tettigellidae proposed by Melichar. Ohio J. Sci. 53:47-50. Jan.1953. 410 Oh3
Luzoniana new name for Luzoniella Melichar and Polisanella new genus.

35875 MILLER, N. C. E. New genera and species of Acanthaspinae and Ectrichodiinae (Hemiptera-Heteroptera, Reduviidae). Ent. Soc. South. Africa. J. 15:132-149. Nov.30,1952. 420 En86
New genera Schoutedenana, Paracleptria, Nannocleptria, Zombocoris, Lamprogastocoris, Microstemmella and Microstemmidea; new species in Maraenaspis.

35876 MUNDINGER, F. G. Control of pear psylla [Psylla pyricola]. J. Econ. Ent. 45:934-939. Dec.1952. 421 J822

35877 PATEL, G. A., and KULKARNI, H. L. Cerciaphis emblica sp. nov. (fam. Aphididae) a new aphid pest on Emblica officinalis. Cur. Sci. 21:350. Dec.1952. 475 Sci23

35878 PEPPER, J. O. Protect your hay crops from spittle bugs [Cercopidae]. East. States Coop. 29(2):10-11. Feb.1953. 280.28 Ea7

35879 PIZA, S. DE T. Interpretation of the sexual type of Dysdercus mendesi Bloete (Hemiptera. Pyrrhocoridae). (In Portuguese.) Genet. Iberica 3:107-111. 1951. 443.8 G28
English summary.

35880 POPHAM, E. J. The influence of temperature and intensity of illumination upon the phototactic responses of Corixidae (Hem.). Ent. Mon. Mag. 89:1-2. Jan.1953. 421 En86

35881 POPHAM, E. J. Measurements of the swimming speeds of some of the commoner species of Corixa (Hem., Corixidae). Ent. Mon. Mag. 89:3. Jan.1953. 421 En86

35882 PROTHON, J. Notes sur la ciccadelle en 1952. Rev. Agr. de l'Afrique du Nord 50:746. Oct.31, 1952. 80 R326

35883 PROTSENKO, K. Places where prophylactic measures are used for control of melon aphids [Aphis gossypii]. (In Russian.) Khlopkovodstvo 10:48-49. Oct. 1952. 72.8 K522

35884 ROEPKE, W. Pterochlorus rosae, an uncommon aphid on roses. Tijdschr. over Plantenziekten 58: 251-252. 1952. 464.8 T44

35885 RUPPEL, R. F., and DELONG, D. M. Mexican Alconeura. II-III. Lloydia 15:241-250. Dec.1952. 442.8 L77
New species.

35886 RUPPEL, R. F., and DELONG, D. M. Ten new species of Mexican Dikrella (Homoptera—Cicadellidae). Brooklyn Ent. Soc. B. 48:1-9. Feb.1953. 420 B79

35887 SCHMUTTERER, H. Die ökologie der Cocciden (Homoptera, Coccoidea) Frankens. 3. Z. f. Angew. Ent. 34:65-100. Ref. Sept.1952. 421 Z36

35888 SHIBATA, B. Ecological studies of plant lice. VI. With reference to experimental production of males. (In Japanese.) Utsunomiya U. Col. Agr. B. 1:307-318. Mar.1952. 107.6 Ut7B
English summary.
Callipterinola kulikola.

35889 SILVESTRI, F. Ceroplastes (or scale) of fig. (In Italian.) Frutticolt. Campana 2(10):2. (Cont.) Oct. 25,1952. 80 F9474

35890 SLATER, J. A. An annotated list of the Lygaeidae of Iowa and Illinois (Hemiptera: Heteroptera). Iowa Acad. Sci. Proc. 59:521-540. Ref. 1952. 500 Io93

35891 SMIT, B. Difference between cochineal insects [Dactylopius coccus] and mealybugs. Farming So. Africa 27:481-482. Oct.1952. 24 So842

35892 STROYAN, H. L. G. A new aphid genus [Pterasthenia] from East Africa. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:149-154. Dec.19,1952. 420 L84Pb

35893 STROYAN, H. L. G. A new British species of Calaphis Walsh (Hem., Aphididae). Ent. Mon. Mag. 89: 13-16. Jan.1953. 421 En86

35894 STROYAN, H. L. G. Three new species of British aphids. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:117-130. Oct.15,1952. 420 L84Pb
In Sappaphis and Aphis.

35895 TAKAHASHI, R. Aleurotuberculatus and Parabemisia [n.g.] of Japan (Aleyrodidae, Homoptera). Res. Inst. Nat. Resources. Misc. Rpt. 25:17-24. Mar.1952. 513 T5722S
Includes new species.

35896 USINGER, R. L. Two new Orsillini from Kilimanjaro (Hemiptera: Lygaeidae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:140-146. Ref. Oct.15, 1952. 420 L84Pb
In Nysius and Oreonysius n.g.

35897 VERGANI, A. R. Control de la cochinilla roja australiana. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):20. Oct.1952. 9 Id3
Aonidiella aurantii.

35898 WAGNER, E. Micronecta cornuta nov. spec., eine neue deutsche Corixiden-art (Hem. Heteropt.). Aschaffenburg. Natwiss. Mus. Nachr. 37:25-31. Nov. 1952. 409.6 As2

35899 WENE, G. P. Control of the red lettuce aphid. Rio Grande Val. Hort. Inst. Proc. 7:67-69. 1953. 81 L95
Macrosiphum ambrosiae.

35900 WENE, G. P. The false chinch bug [Nysius raphanus]. Rio Grande Val. Hort. Inst. Proc. 7:74-76. 1953. 81 L95

35901 WENE, G. P., and WHITE, A. N. New insecticides for cabbage aphid (Brevicoryne brassicae) control. Rio Grande Val. Hort. Inst. Proc. 7:70-73. 1953. 81 L95

35902 WHITNALL, A. B. M., and WINSTANLEY, J. K. The control of mealybugs on vines with chemicals. Plant Protect. Overseas Rev. 3(2):21-24. July 1952. 464.8 P69

35903 WILKINS, V. E. San José [Aspidiotus perniciosus] in western Europe in 1951. Plant Protect. B. 1: 4-7. Oct.1952. 421 P692

35904 WOOD-BAKER, C. S. Records of seven European aphids (Hem.). Ent. Mon. Mag. 89:12. Jan. 1953. 421 En86

35905 WOODWARD, T. E. Studies on the reproductive cycle of three species of British Heteroptera, with special reference to the overwintering stages. Roy. Ent. Soc. London. Trans. 103:171-218. Ref. Oct.15,1952. 420 L84

35906 WYGODZINSKY, P. Los insectos de las Islas Juan Fernandez. 2. Reduviidae y Cimicidae (Hemiptera). Rev. Chilena de Ent. 2:15-19. Dec.19,1952. 421 R329
English summary.
Includes new species in Metapterus.

35907 WYGODZINSKY, P. On some Emesinae from South Africa (Reduviidae, Hemiptera). Ent. Soc. South. Africa. J. 15:150-158. Nov.30,1952. 420 En86
Includes new species in Bargylia, Ploiaria and Gardena.

35908 YUST, H. R. Visible reactions of California red scale [Aonidiella aurantii] in relation to resistance to fumigation with HCN. J. Econ. Ent. 45:985-987. Dec. 1952. 421 J822

HYMENOPTERA

35909 ANDRADE, N. F. DE. Sphecidae of Portugal, genus Miscophus Jurine. Coimbra. U. Mus. Zool. Mem. e Estud. 211,42 p. Ref. 1952. 410.9 C66
Includes new species.

35910 ARNOLD, G. The genus Terataner Emery (Formicidae). Ent. Soc. South. Africa J. 15:129-131. Nov.30,1952. 420 En86

35911 BEAUMONT, J. DE. Les types de Sphecidae de la collection M. Marquet (Hym.). Soc. Ent. de France. B. 57:88-91. 1952. 420 F84B

35912 BENNO, P. The Dutch leafcutting bees (Megachile; Hym. Apidae). (In Dutch.) Ent. Ber. 14:161-165. Nov.1,1952. 420 N38B

35913 BENOIT, P. L. G. Bethylidae (Hym.) Nord Africains nouveaux ou peu connus du Museo Civico di Storia Naturale di Genova. Doriana 1(27),7 p. July 30, 1952. 410 D73
New species in Laelius, Epyris, Rhabdepyris and Holepyris.

35914 BLAIR, K. G. Anteon (Chelogynus) collare Dalm. (?) (Hym., Dryinidae) a parasite of Opsius stactogalus Amyot (Hem., Jassidae), with some notes on other species of Dryinidae. Ent. Mon. Mag. 89:29-30. Feb. 1953. 421 En86

35915 BLUTHGEN, P. Mitteilung der sammelstelle für schmarotzerbestimmung. Verhalten einiger parasitierender Hymenoptera. Aschaffenburg. Natwiss. Mus. Nachr. 37:33-44. Ref. Nov.1952. 409.6 As2

35916 BOOCK, O. J., and LORDELLO, L. G. E. "Lava-pe" ants [Solenopsis saevissima], pests of potatoes. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:377-379. Nov./Dec.1952. 9.2 R324
English summary.

35917 BROWN, W. L. Composition of the ant tribe Typhlomyrmicini. Psyche 59:104. Sept.1952. 421 P95

35918 CLARK, A. M., and BEISER, W. C. Effects of methyl bis (beta-chloroethyl) amine hydrochloride on haploid and diploid embryos of Habrobracon. Nature [London] 171:178-179. Jan.24,1953. 472 N21

35919 CLARK, J. A. Wasps. Outdoor Ind. 19(12):15. Dec.1952. 279.8 Ou82

35920 COLE, A. C. A checklist of the ants (Hymenoptera: Formicidae) of the Great Smoky Mountains National Park, Tennessee. Tenn. Acad. Sci. J. 28:34-35. Jan.1953. 500 T25A

35921 COLE, A. C. Studies of New Mexico ants (Hymenoptera: Formicidae). I-III. Tenn. Acad. Sci. J. 28: 81-85. Jan.1953. 500 T25A
Includes Myrmica striolagaster, n. sp.

35922 COMITÉ TER BESTUDERING EN BESTRIJDING VAN INSECTENPLAGEN IN BOSSEN. Retrospective view on the Diprion pests of 1950-'51. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 63:350. Dec. 1952. 12 N282

35923 DUPORTE, E. M., and BIGELOW, R. S. The clypeus and the epistomal suture in Hymenoptera. Canad. J. Zool. 31:20-29. Feb.1953. 470 C16D

35924 ENZMANN, E. V. Woitkowskia, a new genus of army ants. Iowa Acad. Sci. Proc. 59:442-447. 1952. 500 Io93

35925 FLANDERS, S. E. A parasite of the European elm scale [Gossyparia spuria] established in California. J. Econ. Ent. 45:1078-1079. Dec.1952. 421 J822
Coccophagus insidiator.

35926 GOSSWALD, K. Uber versuche zur verwendung von hilfsameisen zwecks vermehrung der nützlichen kleinen roten waldameise. Z. f. Angew. Ent. 34:1-44. Ref. Sept.1952. 421 Z36
Formica rufa.

35927 GUIGLIA, D. Guerin's type specimens of Hymenoptera in the collection of the Paris Museum. (In Italian.) Doriana 1(22),4 p. Feb.15,1952. 410 D73

35928 HOFSTEN, C. G. VON. Sensitive crops should be investigated often. (In Swedish.) Lantmannen 37:79. Jan.24,1953. 11 L234
Control of Athalia colibri Christ.

35929 INVREA, F. Apterogyna of North Africa (Hymenoptera, Apterogynidae). (In Italian.) Genoa. Mus. Civico di Storia Nat. Giacomo Doria. Ann. 65:150-172. 1951/52. 507 G28

35930 KILLOUGH, J. R., and LE SUEUR, H. The red harvester. Our Pub. Lands 3(1):4,14. Jan.1953. 156.55 Ou7
Pogonomyrmex barbatus.

35931 KING, R. L., and SALLEE, R. M. Macropseudogynes (or pterergates?) in Formica fossaceps Buren (Formicidae). Iowa Acad. Sci. Proc. 59:469-474. 1952. 500 Io93

35932 KNOWLTON, G. F. Heptachlor effective in ant control. Farm & Home Sci. [Utah Sta.] 13:96-97. Dec.1952. 100 Ut1F
Chiefly Pogonomyrmex occidentalis.

35933 KONTUNIEMI, T. Welches ist die nahrungspflanze von Tenthredo rossii Kl.? (Hym., Tenthredinidae). Suomen Hyonteistieteellinen Aikakausk. 18:81-84. 1952. 421 Su7

35934 MASI, L. Missione Biologica Sagan-Omo. Hymenoptera: Chalcidoidea. (In Italian.) Genoa. Mus. Civico di Storia Nat. Giacomo Doria. Ann. 65:173-210. 1951/52. 507 G28

35935 MILLER, W. E. Biological notes on five hymenopterous parasites of pine bud and stem moths in Ohio. Ohio J. Sci. 53:59-63. Jan.1953. 410 Oh3

35936 NATHAN. The control of hornets. (In Hebrew.) Hassadeh 33:106-107. Nov.1952. 26 H27
In apiculture.

35937 NOSKIEWICZ, J., and CHUDOBA, S. Les supplements à la faune des Ichneumonides de la Pologne. (In Polish.) Polskie Pismo Ent. 21:30-60. Ref. 1951, pub.1952. 421 P76
French summary.

35938 OGLOBLIN, A. Los insectos de las Islas Juan Fernandez. 12. Mymaridae (Hymenoptera). Rev. Chilena de Ent. 2:119-138. Ref. Dec.19,1952. 421 R329
English summary.
Includes new genera Cremnomymar, Scolopsopteron and Nesopolynema.

35939 RICHARDS, O. W. The 3rd Danish Expedition to Central Asia. Zoological results 5. Bombidae (insecta) from Afghanistan. Dansk. Nathist. For. Vidensk. Meddel. 113:191-199. 1951. 502 D232

35940 RYVKIN, B. V. On the importance of synchronization of the development of entomophagous insects and their hosts. (In Russian.) Akad. Nauk SSSR. Dok. 87:661-664. Ref. Dec.1,1952. 511 P444A
Parasites for the control of Neodiprion sertifer and Diprion pini.

35941 STEFFAN, J. R. Note sur les espèces européennes et nord-africaines du genre Monodontomerus Westw. (Hym. Torymidae) et leurs hotes. Mus. Natl. d'Hist. Nat. B. (ser.2)24:288-293. May 1952. 410.9 P213

35942 STROJNY, W. Some observations on the egg-laying process of Ephialtes tuberculatus Fourcr. (Hym. Ichn.)—parasite of the larva of Cryptorrhynchus lapathi L. (Col. Curc.). (In Polish.) Polskie Pismo Ent. 21:140-144. 1951,pub.1952. 421 P76
English summary.

35943 THALENHORST, W. Das auftreten von kiefernbuschhornblattwespen in Norddeutschland 1949. Z. f. Angew. Ent. 34:45-64. Ref. Sept.1952. 421 Z36
Diprion frutetorum and Neodiprion sertifer.

35944 TIMBERLAKE, P. H. A new name [Ruziapis] for the bee genus Ruiziella. Ent. Soc. Amer. Ann. 45:528. Dec.1952. 420 En82

35945 VALDES BARRY, F. Control de la bibijagua [Atta insularis] con aldrin. Agrotecnia 7:59-62. Nov./Dec.1952. 8 Ag825

35946 WHEELER, G. C., and WHEELER, J. The ant larvae of the myrmicine tribe Myrmicini. Psyche 59:105-125. Ref. Sept.1952. 421 P95

35947 WILCKE, J. The Dutch mud wasps [Eumenidae] (In Dutch.) Levende Nat. 55:210-220,233-239. (Concl.) Nov.-Dec.1952. 410 L57

35948 WILSON, E. O. A report on the imported fire ant Solenopsis saevissima var. richteri Forel in the Gulf States. (Abs.) Ala. Acad. Sci. J. 21/22:52. Feb. 1952. 500 AL12

35949 ZIMMERMANN, S. Missione Biologica Sagan-Omo. Drei neue goldwespen (Hymenoptera - Chrysididae). Genoa. Mus. Civico di Storia Nat. Giacomo Doria. Ann. 65:358-363. 1951/52. 507 G28
In Tetrachrydium n.g., Spintharina and Isadelphus.

See also Apiculture and Apis mellifera.

LEPIDOPTERA

35950 ALBERTI, B. Biologische beobachtungen an Arctia hebe L. (Lep. Arctiidae). II. Ent. Z. 62:137-142. Dec.15,1952. 421 En85

35951 ALMEIDA, R. F. D'. Brief notes on the genus Cithaerias Hübner, 1819. (Lep. Satyridae). (In Portuguese.) Arq. de Zool. do Estado de São Paulo 7:493-505. Ref. 1951. 410 Ar6
Includes new species and Dulcedo n.g.

35952 ATWOOD, E. P. Violet fancier. Nat. Mag. 46: 77-79. Feb.1953. 409.6 N214
Argynnis cybele.

35953 BASTELEUS, R. Les beaux papillons que voilà. Cour. Hort. 14:668-669. Dec.1952. 80 C834

35954 BECKING, J. H. Increment loss in stands of Japanese larch due to heavy larch case bearer [Coleophora laricella] infestation. (In Dutch.) Nederland. Boschbouw-Tijdschr. 24:329. Dec.1952. 99.8 N28

35955 BEEBE, W. A contribution to the life history of Colobura (Gynaecia auct.) dirce dirce (Linnaeus). (Butterfly). Zoologica 37:199-202. Dec.31,1952. 410 Z722

35956 BESSON, J., and JOLY, E. La tordeuse orientale du pêcher [Grapholitha molesta] en France, au cours de l'année 1951. Phytoma 5(42):13-19. Nov.1952. 464.8 P563

35957 BEST, A. A. Leucania lythargyria Esper ab. nigrescens ab. nov. Ent. Rec. & J. Variation 65:17. Jan.15,1953. 421 En89

35958 BIRKETT, N. L. Lepidoptera collecting notes, 1952. Ent. Rec. & J. Variation 65:6-10. Jan.15,1953. 421 En89

35959 BLANCHARD, R. A., and WENE, G. P. Control of corn earworm on sweet corn in the Lower Rio Grande Valley. Rio Grande Val. Hort. Inst. Proc. 7:122-128. 1953. 81 L95
Heliothis armigera.

35960 BŁESZYŃSKI, S. Studies of the genus Crambus F. (Lepidoptera - Crambidae). (In Polish.) Polskie Pismo Ent. 21:61-127. Ref. 1951,pub.1952. 421 P76
English summary.

35961 BONGIOVANNI, G. C. The Tenthredinidae and Carpocapsa pomonella. (In Italian.) Informatore Fitopatol. 2:60-63. Apr.30,1952. 464.8 In3

35962 BRADLEY, J. D. Some important species of the genus Cryptophlebia Walsingham, 1899, with descriptions of three new species (Lepidoptera: Olethreutidae). B. Ent. Res. 43:679-689. Jan.1953. 421 B87

35963 BRUNSON, M. H., and KOBLITSKY, L. Parathion, DDT and EPN deposits on peach foliage and fruit. J. Econ. Ent. 45:953-957. Dec.1952. 421 J822
In control of Grapholitha molesta.

35964 BRUNSON, M. H. Reduction of oriental fruit moth [Grapholitha molesta] in peach orchards by use of parathion and EPN to control plum curculio [Conotrachelus nenuphar]. J. Econ. Ent. 45:1071-1075. Dec.1952. 421 J822

35965 BURKHARDT, C. C. Feeding and pupating habits of the fall armyworm [Laphygma frugiperda] in corn. J. Econ. Ent. 45:1035-1037. Dec.1952. 421 J822

35966 CARROLL, J. Eelworm and insect pests. VI. Caterpillars. I. Agr. Ireland 10:10-11. Jan.1953. 10.5 Ag8
Includes control measures.

35967 CUNNINGHAM, G. A new ally against borers [Pyrausta nubilalis]. Iowa Farm & Home Register, Jan. 4,1953:7-H. 6 Io94
A slow-acting disease caused by a microscopic protozoan.

35968 DIAKONOFF, A. New Guinean Microlepidoptera. III. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:644-655. Nov./Dec.1952. 442.9 Am8
New species in Choanograptis, Taeniarchis, Polemograptis, Argyrotoza and Tymbarcha.

35969 DOETS, C. Notes on Lepidoptera, 1950-1951. (In Dutch.) Ent. Ber. 14:177-181,196-200. Dec.1,1952-Jan.1,1953. 420 N38B

35970 DUGAS, A. L., CONCIENNE, E. J., and SANDERS, C. Sugarcane borer [Diatraea saccharalis] overwintering population and mortality survey, and outlook for 1952. La. Agr. Expt. Sta. Dept. Ent. Spec. Release Insect Cond. 1,9 p. Mar.4,1952. 423.9 L93S

35971 EVANS, L. J. Notes on breeding Cycnia mendica Clerck. Ent. Rec. & J. Variation 65:4-6. Jan.15, 1953. 421 En89

35972 FARRAR, M. D. Cattle, cotton and the pink bollworm [Pectinophora gossypiella]. Acco Press 31:6-7. Jan.1953. 6 Ac2
Spread of the pink bollworm and the effect on agriculture in the South.

35973 FEDERATION OF MALAYA. DEPT. OF AGRICULTURE. The coconut leaf moth (Artona catoxantha Hampson). Fed. Malaya. Dept. Agr. Agr. L. 29,6 p. 1951. 22.5 F31A

35974 FLEMING, H. The Saturnioidea (moths) of Rancho Grande, north-central Venezuela. Zoologica 37: 203-207. Dec.31,1952. 410 Z722

35975 FRAGOSO, S. A. The genus "Cissura" Walker, 1854 (Lepidoptera, Heterocera, Arctiidae). (In Portuguese.) Rev. Bras. de Biol. 12:411-416. Dec.1952. 442.8 R326

35976 FRANCLEMONT, J. G. Comment on Dr. Jiri Paclt's proposal relating to the generic name "Bombyx" Fabricius, 1775 (class Insecta, order Lepidoptera). B. Zool. Nomencl. 9:154. Dec.30,1952. 410 B874

35977 FRANCLEMONT, J. G. Comment on Dr. Jiri Paclt's proposal relating to the generic name "Diloba" Boisduval, 1840 (class Insecta, order Lepidoptera). B. Zool. Nomencl. 9:145. Dec.30,1952. 410 B874

35978 FRANCLEMONT, J. G. Comment on Dr. Jiri Paclt's proposal relating to the generic name "Pyralis" Fabricius, 1775 (class Insecta, order Lepidoptera). B. Zool. Nomencl. 9:155. Dec.30,1952. 410 B874

35979 FRANCLEMONT, J. G. Comment on Dr. Jiri Paclt's proposal relating to the generic name "Sphinx" Linnaeus, 1758 (class Insecta, order Lepidoptera). B. Zool. Nomencl. 9:144. Dec.30,1952. 410 B874

35980 GAMBARO, P. The behavior of Carpocapsa pomonella L in relation to nutrition. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:292-294. Nov./Dec.1952. 86 R22
English summary.

35981 GENTILUCCI, T. The green Tortrix [Cacoecia] of fruit trees. (In Italian.) Informatore Fitopatol. 2: 111-112. July 15/30,1952. 464.8 In3

35982 GLASS, E. H., and CHAPMAN, P. J. The red-banded leaf roller [Argyrotaenia velutinana] and its control. N. Y. (State) Agr. Expt. Sta. B. 755,42 p. Ref. Oct. 1952. 100 N48

35983 GRIOT, M. La isoca [Colias lesbia] ocasiona perjuicios económicos en los cultivos de alfalfa y en sus praderas. Mundo Agr. 5(44):38. Jan.1953. 9 M92

35984 GRISON, P. L'infestation de nos bois par la chenille processionnaire du chêne. Agr. Prat. 116:597-599. Dec.1952. 14 J82
Thaumetopoea processionea.

35985 GROVES, J. R. Tortrix moth attack has not spread. Grower [London] 39:233. Jan.31,1953. 286.83 M34

35986 HERRERA, J. Ausencia de dimorfismo sexual en Colias flaveola Blanchard 1852 (Lepidoptera Pieridae). Rev. Chilena de Ent. 2:173-177. Dec.19,1952. 421 R329
English summary.

35987 HESLOP HARRISON, J. W. Polyommatus icarus partially double-brooded in Durham in 1952. Entomologist 86:18. Jan.1953. 421 En8

35988 HEWSON, F. 'Black' larvae of Lasiocampa quercus L. in Yorkshire. Ent. Rec. & J. Variation 65:1-2. Jan.15,1953. 421 En89

35989 HOCKING, B. Larval nutrition in Agrotis orthogonia Morr. (Lepidoptera: Phalaenidae). A new rearing method. Canad. J. Agr. Sci. 33:23-29. Ref. Jan./Feb.1953. 7 Sci2

35990 HÜHNEL, W. Ist die wachsmotte [Galleria mellonella] nur als schädling zu bewerten? Deut. Bienenztg. 7:184-186. Dec.1,1952. 424.8 D488

35991 HOLIK, O. Die nahrungspflanzen der Zygaenenraupen und ihre bedeutung für die unterteilung der gattung Zygaena Fabr. Ent. Z. 62:142-144. (Cont.) Dec.15,1952. 421 En85

35992 HUGGINS, H. C. Aberrations of Arctia villica Linn. Ent. Rec. & J. Variation 65:17. Jan.15,1953. 421 En89

35993 HUGGINS, H. C. The Lepidoptera of Glengarriff, Co. Cork. Entomologist 86:12-17. Jan.1953. 421 En8

35994 HUGGINS, H. C. Notes on Microlepidoptera. Ent. Rec. & J. Variation 65:14-15. Jan.15,1953. 421 En89

35995 HYDE, G. E. Larvae of Limenitis camilla L. affected by parasites. Ent. Rec. & J. Variation 65:24. Jan.15,1953. 421 En89

35996 IBARRA GRASSO, A. Las araujia (Asclepiadaceae) como destructoras de lepidópteros perjudiciales. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):11-14. Ref. Oct.1952. 9 Id3
Biological control.

35997 ITO, M. A consideration of the effective concentration of DDT and BHC emulsions for the arctiid moth, Diacrisia imparilis Butler. (In Japanese.) Botyu-Kagaku 17:88-93. Ref. Sept.1952. 421 B65
English summary.

35998 IVY, E. E., and SCALES, A. L. Insecticides for cotton leafworm [Alabama argillacea] control. J. Econ. Ent. 45:1087-1088. Dec.1952. 421 J822

35999 JAYNES, H. A., and DROOZ, A. T. The importance of parasites in the spruce budworm [Choristoneura fumiferana] infestations in New York and Maine. J. Econ. Ent. 45:1057-1061. Dec.1952. 421 J822

36000 JOHNSON, G. F. Some northern Lepidoptera in 1952. Ent. Rec. & J. Variation 65:10-13. Jan.15,1953. 421 En89

36001 JONES, E. T., HEYNE, E. G., and SCHMIDT, J. W. A new source of wheat jointworm [Harmolita tritici] resistance in wheat. Kans. Acad. Sci. Trans. 55:427-430. Dec.1952. 500 K13T

36002 JOURNET, P. Contribution a l'étude de la sésie [Aegeria tipuliformis] du groseillier. Phytoma 5(41):24-25. Oct.1952. 464.8 P563

36003 KAMP, H. J. Vermehrtes auftreten des Blausiebs in Württemberg. Holz-Zentbl. 79:31. Ref. Jan.10,1953. 99.81 H742
Zeuzera pyrina.

36004 KOMAI, T., and AÉ, A. S. Genetic studies of the pierid butterfly Colias hyale poliographus. Genetics 38:65-72. Ref. Jan.1953. 442.8 G28

36005 LANGRIDGE, D. F. Bogong moth. Austral. Bee J. 33:205. Dec.1952. 424.8 V66
Agrotis pest of honeybees.

36006 LATARD, P. Le Carpocapse en France en 1951. Phytoma 5(41):14-19. Oct.1952. 464.8 P563

36007 LEIB, E. Wie steht es um die Hyphantriagefahr? Gesunde Pflanzen 5:11-13. Jan.1953. 464.8 G33

36008 LESSE, H. DE. Contribution à l'étude du genre Erebia. Répartition de E. tyndarus Esp. et E. cassioides R. et Hohnw., dans la partie occidentale du Valais (Lep. Satyridae). Entomologiste 8:65-70. 1952. 421 En814

36009 LIVERSIDGE, D. This moth (Cactoblastis cactorum) saved Australia's wool growers. Discovery 14:28-30. Jan.1953. 472 D63
Biological control of prickly pear and restoration of good sheep land.

36010 MARLE, G. S. VAN. Leafrollers on lilacs. (In Dutch.) Tijdschr. over Plantenziekten 58:191-196. Sept./Oct.1952. 464.8 T44
English summary.
Adoxophyes orana.

36011 MATTHEE, J. J. The occurrence of the army worm (Laphygma exempta (Walk)) in and around Pretoria. Ent. Soc. South. Africa. J. 15:122-128. Nov.30,1952. 421 En86

36012 MOKŁOWSKA-HELLEROWA, A. Multivoltinism in Celerio euphorbiae L. (Lepidoptera). (In Polish.) Polskie Pismo Ent. 21:147-161. 1951,pub.1952. 421 P76
English summary.

36013 MORGAN, L. S., and KREMER, R. W. Some observations of effect on streams from the DDT spraying for hemlock looper [Lambdina fiscellaria]. Pa. Forests & Waters 4:138-140. Nov./Dec.1952. 99.8 P38

36014 NEWCOMER, E. J., and CARLSON, F. W. The leaf roller moth Pandemis pyrusana. J. Econ. Ent. 45: 1079-1081. Dec.1952. 421 J822

36015 PHALAENA Linnaeus, 1758, and the terms used by Linnaeus to denote groups of species of that genus. B. Zool. Nomencl. 9:147-154. Dec.30,1952. 410 B874
Comments by J. Paclt, W. T. M. Forbes, J. G. Franclemont, F. H. Rindge, A. Diakonoff, F. Hemming, and C. F. dos Passos.

36016 PHILLIPS, C. M., BUCHER, G. E., and STEPHENS, J. M. Note on preliminary field trials of a bacterium [Bacillus cereus] to control the codling moth [Carpocapsa pomonella]. Canad. Ent. 85:8. Jan.1953. 421 C16

36017 PHILLIPS, G. L., COOK, J. S., and IRVIN, W. M. Control of pink bollworm [Pectinophora gossypiella] larvae in large steel storage tanks by methyl bromide fumigation. Agr. Chem. 8(2):49-41,127. Feb. 1953. 381 Ag8

36018 PIEPHO, H. Das jugendhormon der schmetterlinge. Umschau 53:9-11. Jan.1,1953. 474 Um7

36019 THE PINK bollworm [Pectinophora gossypiella] situation—in Texas. Prog. Farmer, Tex. Ed. 68(2):22-23. Feb.1953. 6 T311

36020 PROBLEM of trivial names of the adippe/cydippe/niobe complex. B. Zool. Nomencl. 9:131-138. Dec.30,1952. 410 B874
Comments by B. J. Lempkē, J. Pacīt, F. Bryk, B. C. S. Warren, W. T. M. Forbes, F. M. Brown, H. Beuret, F. Hemming, E. L. Bell, E. Munroe, E. Franz, E. Mayr, K. P. Schmidt, B. Mather, and T. N. Freeman.

36021 RIS, H., and KLEINFELD, R. Cytochemical studies on the chromatin elimination in Solenobia (Lepidoptera). Chromosoma 5:363-371. Ref. Nov.21,1952. 442.8 C46

36022 ROCHA, G. DE LA. Control del perforador del tallo y del fruto del melon (Diaphania hyalinata y Diaphania nitidalis). Agronomia [Lima] 17(72):111-113. Oct./Dec.1952. 9.8 Ag83

36023 ROEHRICH, R. Eléments essentiels de la biologie de l'insecte conditionnant l'avertissement, tordeuse orientale du pêcher (Laspeyresia [i.e. Grapholitha] molesta Busck). Phytoma 5(41):20-23. Ref. Oct.1952. 464.8 P563

36024 ROWBOTHAM, J. C. A successful method of spraying against looper caterpillars [Chloroclystis lacticostata] and other springtime pests. West. Austral. Dept. Agr. J. (ser.3)1:637-640. Sept./Oct.1952. 23 W52J

36025 SCHOENE, W. J., and SIBOLD, N. V. A virus disease of the red-banded leaf roller. J. Econ. Ent. 45: 1081. Dec.1952. 421 J822
Argyrotaenia velutinana.

36026 SERVADEI, A. Fruit tree borers (Cossus cossus and Zeuzera pyrina). (In Italian.) Informatore Fitopatol. 2:146-148. Oct.15/30,1952. 464.8 In3

36027 SMITH, K. M., WYCKOFF, R. W. G., and XEROS, N. Polyhedral virus diseases affecting the larvae of the privet hawk moth (Sphinx ligustri). Parasitology 42:287-289. Jan.1953. 448.8 P21

36028 SMITH, S. G. New aberrations of Arctia caja L. Ent. Rec. & J. Variation 65:2-4. Jan.15,1953. 421 En89

36029 SON, G. VAN. Descriptions of new Rhodesian Mycalesis (Lepidoptera-Satyridae). Transvaal Mus. Ann. 22:33-35. Nov.4,1952. 515 T68

36030 SPENCER, C. B. Checking pink bollworms [Pectinophora gossypiella]. Cotton Gin & Oil Mill Press 54(3):9-10,12. Jan.31,1953. 304.8 C822

36031 SPERRY, J. L. Notes on the genus Glena Hulst and descriptions of new species (Lepidoptera, Geometridae). South. Calif. Acad. Sci. B. 51:71-78. Sept./Dec.1952. 500 So8

36032 SPERRY, J. L. A Racheospila species from Tulare Co., California apparently undescribed (Lepidoptera, Geometridae). Brooklyn Ent. Soc. B. 48:26-27. Feb.1953. 420 B79

36033 SUSSMAN, A. S. Studies of an insect mycosis. V. Color changes accompanying parasitism in Platysamia [i.e. Hyalophora] cecropia. Ent. Soc. Amer. Ann. 45:638-644. Ref. Dec.1952. 420 En82

36034 SZMIDT, A. A little-known moth Tmetocera laricana Hein. (Tmetocera ocellana F. v. lariciana Hein.). (In Polish.) Polskie Pismo Ent. 21:128-139. 1951,pub. 1952. 421 P76
English summary.

36035 TAMS, W. H. T., and BOWDEN, J. A revision of the African species of Sesamia Guenée and related genera (Agrotidae-Lepidoptera). B. Ent. Res. 43:645-678. Ref. Jan.1953. 421 B87
Includes new genera Speia, Poeonoma and Sciomesa; new species in Sesamia.

36036 TAYLOR, F. The maize-stalk borer in the eastern Orange Free State. Farming So. Africa 27:450, 452. Oct.1952. 24 So842
Busseola fusca.

36037 THORSTEINSON, A. J. The chemotactic responses that determine host specificity in an oligophagous insect (Plutella maculipennis (Curt.) Lepidoptera). Canad. J. Zool. 31:52-72. Ref. Feb.1953. 470 C16D

36038 TOMINIC, A. Potato tuber worm [Gnorimoschema operculella] on Adriatic coast and islands. (In Serbo-Croatian.) Zaštita Bilja 11:43-56. 1952. 464.8 Z1
English summary.

36039 TRAVASSOS, L. Contribution to a knowledge of the Arctiidae. XXX. Species of the genus Nelphe H. Schaeffer, 1855. (In Portuguese.) Rev. Bras. de Biol. 12: 369-384. Dec.1952. 442.8 R326

36040 TRAVASSOS, L. Liquid for preserving the internal structures of Lepidoptera and other insects which are customarily mounted on pins. (In Portuguese.) Arq. de Zool. do Estado de São Paulo 7:439-444. 1951. 410 Ar6
English summary.

36041 TRIVIAL name plexippus Linnaeus, 1758 (Papilio). B. Zool. Nomencl. 9:138-140. Dec.30,1952. 410 B874
Comments by B. Mather, T. N. Freeman, F. M. Brown, E. Munroe, L. P. Grey, and K. P. Schmidt.

36042 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Control of hornworms [Protoparce sexta and P. quinquemaculata] on tobacco. U. S. D. A. L. 336, 8 p. 1953. 1 Ag84L

36043 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Controlling clothes moths and carpet beetles [Anthrenus scrophulariae] in the home. Washington,1952. 5 p. 1.967 A2C765

36044 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The pink bollworm [Pectinophora gossypiella] fight, by R. W. Harned and J. Towers. Washington, Sept.20,1952. 3 p. 1.914 R2R11

36045 VALLETTA, A. Additions to the known Lepidoptera (Heterocera) of the Maltese Islands. Entomologist 86:8-9. Jan.1953. 421 En8

36046 VANDENBURG, D. O. A special report on current findings in conjunction with an aerial spray of DDT in oil solution for the control of hemlock looper [Lambdina fiscellaria]. Pa. Forests & Waters 4:134-138. Nov./Dec.1952. 99.8 P38

36047 VAN SOMEREN, V. G. L., and JACKSON, T. H. E. The Charaxes etheocles-ethalion complex: a tentative reclassification of the group (Lepidoptera: Nymphalidae). Roy. Ent. Soc. London. Trans. 103:257-284. Nov.15,1952. 420 L84

36048 VIETTE, P. Sur la systématique du genre Oxyptilus Z. Entomologiste 8:93-94. 1952. 421 En814
English summary.

36049 WAKELY, S. Further notes on Mompha nodicolella Fuchs. Ent. Rec. & J. Variation 65:6. Jan.15, 1953. 421 En89

36050 WALTER, E. V. Sweet corn industry depends on earworm (Heliothis armigera) control. Rio Grande Val. Hort. Inst. Proc. 7:139-142. 1953. 81 L95

36051 WARNECKE, G. Zur verbreitung von Scotogramma (Mamestra) marmorosa Bkh. (Lep. Noct.) in Mittel- und Süddeutschland. Aschaffenburg. Natwiss. Mus. Nachr. 37:45-50. Nov.1952. 409.6 As2

36052 WENE, G. P., BLANCHARD, R. A., and WALTER, E. V. Relation of corn earworm [Heliothis armigera] resistance in sweet corn to efficiency of insecticide sprays. J. Econ. Ent. 45:931-933. Dec.1952. 421 J822

36053 WILLIAMS, J. R. The larvae and pupae of some important Lepidoptera. B. Ent. Res. 43:691-701. Jan.1953. 421 B87

36054 ZANGHERI, S. Agrotis on sugar beets. (In Italian.) Informatore Fitopatol. 2:76-78. May 31,1952. 464.8 In3

See also Sericulture and the Silkworm.

ORTHOPTERA

36055 ALAM, S. M. Food plants of the desert locust [Schistocerca gregaria]. Cur. Sci. 21:344. Dec.1952. 475 Sci23

36056 ALBRECHT, F. O. The reliability of the E/F ratio, a measure of phase status, in fresh and in dried locusts (Orthoptera). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:167-169. Dec.19,1952. 420 L84Pb

36057 BEAUDRY, J. R. Additions à la faune orthoptérologique de la province de Québec ou du Canada. (Sum.) Assoc. Canad.-Franç. pour l'Avanc. des Sci. Ann. 18:100-102. 1952. 517 M76

36058 BEEBE, W., CRANE, J., and HUGHES-SCHRADER, S. An annotated list of the mantids (Orthoptera, Mantoidea) of Trinidad, B.W.I. Zoologica 37:245-258. Ref. Dec.31,1952. 410 Z722

36059 BODINE, J. H., and WEST, W. L. Carbohydrate metabolism of the developing egg and embryo. Biol. B. 104:1-11. Ref. Feb.1953. 442.8 B52
In Melanoplus differentialis.

36060 BODINE, J. H., LU, K. H., and WEST, W. Enzyme inhibitors. Iowa Acad. Sci. Proc. 59:422-427. 1952. 500 Io93
Embryos of Melanoplus differentalis.

36061 CARIMINI, M. The black cricket. (In Italian.) Informatore Fitopatol. 2:81-83. June 15,1952. 464.8 In3
Acheta desertus.

36062 CARLSON, J. G. Microdissection studies of the dividing neuroblast of the grasshopper, Chortophaga viridifasciata (De Geer). Chromosoma 5:199-220. Ref. 1952. 442.8 C46

36063 CHAPMAN, K. Ecological studies on solitary Acrididae in England and South Africa. Ent. Soc. South. Africa. J. 15:165-203. Ref. Nov.30,1952. 420 En86

36064 COCHRAN, D. G., GRAYSON, J. M., and LEVITAN, M. Chromosomal and cytoplasmic factors in transmission of DDT resistance in the German cockroach [Blatella germanica]. J. Econ. Ent. 45:997-1001. Ref. Dec.1952. 421 J822

36065 CRANE, J. A comparative study of innate defensive behavior in Trinidad mantids (Orthoptera, Mantoidea). Zoologica 37:259-293. Ref. Dec.31,1952. 410 Z722

36066 DE WET, W. J., and WEBB, D. VAN V. Field observations on the behaviour of hoppers of the brown locust [Locusta pardalina] in the swarming phase. Union So. Africa. Dept. Agr. Sci. B. 337,38 p. Ref. 1952. 24 So84S

36067 DIRSH, V. M. A new species of the genus Leptea Bolivar (Orthoptera: Acrididae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:147-148. Oct.15, 1952. 420 L84Pb

36068 DIRSH, V. M. Two new genera of the subfamily Acridinae (Orthoptera, Acrididae). Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:135-139. Oct.15,1952. 420 L84Pb
Chromacrida and Brachyacrida.

36069 GOUSTARD, M. Réaction cinétique et bipolarité chez Blattella germanica. Acad. des Sci. Compt. Rend. 236:127-129. Jan.5,1953. 505 P21

36070 HOROVITZ, S., and others. Informaciones experimentales complementarias sobre la resistencia a la langosta en el maíz. Rev. Argentina de Agron. 19:208-213. Dec.1952. 9 R327
A. H. Marchioni, H. G. Fisher, R. A. Nico, and E. M. Sivori, joint authors.

36071 KNOWLTON, G. F. Grasshopper control in Utah, 1952. Utah. State Agr. Col. Ext. M. S. 92,4 p. Dec. 1952. 275.29 Ut1Ms

36072 LAWSON, F. A. Structural features of cockroach egg capsules. III. The ootheca of Euryotis floridana (Orthoptera: Blattidae). Tenn. Acad. Sci. J. 28:28-33. Jan.1953. 500 T25A

36073 LEAN, O. B. The desert locust [Schistocerca gregaria] situation. Plant Protect. B. 1:2-4. Oct.1952. 421 P692

36074 LIEBERMANN, J. Dos especies de grillos, plagas temporarias en los cultivos de cereales tempranos en Entre Rios. Argentina. Min. de Agr. y Ganad. Almanaque 26/27:165-168. 1951/52. 9 Ag874
Scapteriscus didactylus and Gryllus fulvipennis.

36075 PERDECK, A. C. Conocephalus dorsalis Latr. var. burri Ebner (Orthopt.). (In Dutch.) Ent. Ber. 14: 169. Nov.1,1952. 420 N38B

36076 PICKFORD, R. A two-year life-cycle in grasshoppers (Orthoptera: Acrididae) overwintering as eggs and nymphs. Canad. Ent. 85:9-14. Jan.1953. 421 C16

36077 REHN, J. A. G. The grasshoppers and locusts (Acridoidea) of Australia. Volume I. Families Tetrigidae and Eumastacidae. Melbourne,Commonwealth Sci. & Indus. Res. Organ.,1952. 326 p. 429 R26G
Includes new genera Tepperotettix, Austrohyboella, Cyphotettix, Peronotettix, Warramunga and Keyacris, new species in Vingselina, Loxilobus, Coptotettix, Tetrix, Callitala and Moraba.

36078 RIVERS, C. F. An insect mystery. Country Life [London] 113:206-207. Jan.23,1953. 80 C83
Acanthoxyla prasimus.

36079 ROBINSON, D., SMITH, J. N., and WILLIAMS, R. T. Studies in detoxication. 45.β-glucuronidase and arylsulphatase in the crop fluid of locusts. Biochem. J. 53:125-129. Ref. Jan.1953. 382 B52
Locusta migratoria migratorioides and Schistocerca gregaria.

36080 SCHARRER, B. Insect tumors induced by nerve severance: incidence and mortality. Cancer Res. 13:73-76. Jan.1953. 448.8 C16
Experiments with Leucophaea maderae.

36081 SEVERIN, H. C. An unusual infestation of wood cockroaches. J. Econ. Ent. 45:1079. Dec.1952. 421 J822
Parcoblatta pennsylvanica.

36082 SMIT, B. Crickets; their habits and their control. Farming So. Africa 27:455-456. Oct.1952. 24 So842

36083 SMITH, K. D., and POPOV, G. B. On birds attacking desert locust [Schistocerca gregaria] swarms in Eritrea. Entomologist 86:3-7. Jan.1953. 421 En8

36084 UVAROV, B. P. Studies in the Arabian Orthoptera. III. New genera, species and subspecies collected by the Anti-Locust Missions. Linn. Soc. London. J. Zool. 42:176-194. July 16,1952. 410.9 L64
New species in Scapsipedus, Trigonocorypha, Ochrilidia, Duroniella, Euchorthippus, Bodenheimerella, Hilethera, Sphingonotus, Cophotylus, Fitzgeraldia n.g., Jinabia n.g., Popovia n.g., Pyrgomorphella, Pareuprepocnemis, and Euparetettix.

36085 WALOFF, Z. Flight in desert locusts [Schistocerca gregaria] in relation to humidity. B. Ent. Res. 43: 575-580. Ref. Jan.1953. 421 B87

36086 WEIDNER, H. Das schrifttum über die gradflügler Deutschlands in den letzten zehn jahren und einige beiträge zur gradflüglerfauna des Maintals und Nordbayerns. Aschaffenburg. Natwiss. Mus. Nachr. 37: 1-24. Ref. Nov.1952. 409.6 As2

SERICULTURE AND THE SILKWORM

36087 BORGONOUI, A. Posts for drying and sorting cocoons. (In Portuguese.) São Paulo. Serv. de Sericicult. B. Inform. 1(2):50-56. Sept.1952. 425.9 Sa6

36088 CONSOLINI, A. A great step has indeed been taken in the mechanization of silkworm culture. (In Italian.) Agricoltura 1(12):33-35. Dec.1952. 16 Ag8226

36089 HENSE, U. Seidenraupenzucht. Urania 15: 432-438. Nov.1952. 474 Ur1

36090 LEGAY, J. M. Sur une méthode d'étude quantitative de la prise de nourriture chez le ver à soie. Acad. des Sci. Compt. Rend. 236:326-328. Jan.19,1953. 505 P21

36091 LOBASHEV, M. E. In regard to the behavior of the oak silkworm (Antheraea pernyi) in the process of cocoon winding. (In Russian.) Zhur. Obshch. Biol. 13: 406-420. Ref. Nov./Dec.1952. 442.8 Z6

36092 TOUMANOFF, C., and VAGO, C. Essais comparatifs sur la virulence pour Bombyx mori L (Lepidoptera) de divers bacilles entomophytes du groupe Cereus. Inst. Pasteur. Ann. 83:634-639. Ref. Nov.1952. 448.3 An75

36093 VINCENT, N. Some hygienic principles to observe in cocoon production. (In Portuguese.) São Paulo. Serv. de Sericicult. B. Inform. 1(2):4-8. (Cont.) Sept. 1952. 425.9 Sa6

SMALLER ORDERS

36094 ALLEN, N. N., and DICKE, R. J. Cattle lice control by clipping. J. Econ. Ent. 45:970-973. Dec.1952. 421 J822

36095 BUNN, R. W. Effectiveness of DDT in the control of body lice in Germany. U. S. Armed Forces Med. J. 4:243-247. Feb.1953. 159 Un3

36096 BURR, M. What is Forficula rodziankoi Semenov? Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 21:164-166. Dec.19,1952. 420 L84Pb

36097 CHENG, F. Y. Additions to the mecopterous fauna of Formosa. Psyche 59:89-95. Sept.1952. 421 P95
New species in Panorpa and Neopanorpa.

36098 CORREA, O. Contribution to a study of the lice parasitic on animals in Rio Grande do Sul. (In Portuguese.) Rio Grande do Sul. Dir. da Prod. Anim. B. 8(14): 14-27. Sept.1952. 49.9 R47

36099 CUNHA, A. X. DA. Quelques Protoures inédits de la faune portugaise. Coimbra. U. Mus. Zool. Mem. e Estud. 212,15 p. Ref. 1952. 410.9 C66
Includes new species in Acerentulus.

36100 DEBOUTEVILLE, C. D. Trois nouvelles espèces de Collemboles de la Côte d'Ivoire. Rev. Franç. d'Ent. 19:240-243. Dec.30,1952. 421 R323
In Paronella and Sminthurides.

36101 DENNY, C. How to inspect slab-type homes for termites. Pest Control 21(2):14,16,18,20. Feb.1953. 449.8 Ex8

36102 EDDY, G. W. Effectiveness of certain insecticides against DDT-resistant body lice in Korea. J. Econ. Ent. 45:1043-1051. Dec.1952. 421 J822

36103 EICHLER, W. Die bedeutung der Mallophagenforschung für die ornithologie unter dem gesichtspunkte einer kriterienkritik der aviparasitologischen phyletodiagnostik. Leipzig. U. Wiss. Z. 2:77-80. Ref. 1951/52. 509 L532

36104 EMERSON, A. E. The neotropical genera Procornitermes and Cornitermes (Isoptera, Termitidae). Amer. Mus. Nat. Hist. B. 99:475-539. Ref. 1952. 500 N483B
Includes new species.

36105 FRASER, F. C. Aeshna caerulea (Ström) and Somatochlora arctica (Zett.) in Perthshire (Odonata). Ent. Mon. Mag. 89:33-36. Feb.1953. 421 En86

36106 FRASER, F. C. The status of Agrion virgo britannica Conci (Odon., Agriidae). Ent. Mon. Mag. 89: 33. Feb.1953. 421 En86

36107 GOTO, H. E. Lepidocyrtus christianseni, sp. n. (Collembola: Entomobryidae) from North America. Ann. & Mag. Nat. Hist. (ser.12)6:30-32. Jan.1953. 410 An77

36108 HILL, W. B. You, too, can prevent termite attack in basementless housing. Pest Control 21(2):9-11, 36,48. Feb.1953. 449.8 Ex8

36109 HUNT, G. M., and SNYDER, T. E. An international termite exposure test;twenty-first progress report. Amer. Wood-Preserv. Assoc. Proc. 48:314-327. 1952. 300.9 Am3

36110 JATH, H. Beobachtungen zur lebensweise der flöhe (Insecta, Siphonaptera). Z. f. Hyg. Zool. u. Schädlingsbekämpf. 40:133-137. May/June 1952. 449.8 Z36

36111 KALSHOVEN, L. G. E. Observations on the attractiveness of certain materials for termites. Ent. Ber. 14:188-190. Dec.1,1952. 420 N38B

36112 KELER, S. VON. On some Mallophaga of seabirds from the Tristan da Cunha Group and the Dyer Island. Ent. Soc. South. Africa. J. 15:204-238. Ref. Nov.30,1952. 420 En86
Includes new species in Cesareus n.g. and Austrogoniodes.

36113 MACAN, T. T. Taxonomy of the nymphs of the British species of Leptophlebiidae((Ephem.). Hydrobiologia 4:363-376. Sept.1,1952. 410 H992

36114 MACPHEE, A. W. The influence of spray programs on the fauna of apple orchards in Nova Scotia. V. The predacious thrips Haplothrips faurei Hood. Canad. Ent. 85:33-40. Jan.1953. 421 C16

36115 MELLO, I. F. DE. Contribution à l'étude des micro-parasites des termites brésiliens. I. Sur une "Devescovina" du termite africain "Cryptotermes havilandi" (Sjöstedt), fixé dans le sol brésilien. Rev. Bras. de Biol. 12:433-445. Dec.1952. 442.8 R326

36116 NUTTING, W. L. Earwigs at light. Ent. News [Philadelphia] 64:10. Jan.1953. 421 En88

36117 RATCLIFFE, F. N., GAY, F. J., and GREAVES, T. Australian termites; the biology, recognition, and economic importance of the common species. Melbourne, Commonwealth Sci. & Indus. Res. Organ.,1952. 124 p. 432 R18

36118 ROGOFF, W. M. The repellency of chlordane, DDT, and other residual insecticides to greenhouse thrips. J. Econ. Ent. 45:1065-1071. Ref. Dec.1952. 421 J822

36119 SAROT, E. E. Folklore of the dragonfly: a linguistic approach. Mich. U. Diss. Abs. 12:789-790. 1952. 241.8 M58

36120 SEVERIN, H. C. Catches of Euplexoptera and Elateridae in light traps in South Dakota. Ent. News [Philadelphia] 64:7-9. Jan.1953. 421 En88

36121 SMIT, F. G. A. M. Ctenophthalmus (Euctenophthalmus) congener congener Roths., 1907: a flea new to Great Britain. Entomologist 86:19-22. Jan.1953. 421 En8

36122 SMIT, F. G. A. M. Monstrosities in Siphonaptera. III. Castration in a male Certophyllus gallinae (Schrank). Ent. Ber. 14:182-187. Dec.1,1952. 420 N38B

36123 SOARES, B. A. M., and SOARES, H. E. M. Monograph on the genera of neotropical Opiliones. II. (In Portuguese.) Arq. de Zool. do Estado de São Paulo 7:149-239. 1951. 410 Ar6

36124 STROJNY, W. Panorpa communis L. (Panorp., Panorpidae)—predator on Melolontha melolontha L. (Col. Scarab.). (In Polish.) Polskie Pismo Ent. 21:145-146. 1951,pub.1952. 421 P76
English summary.

36125 TAPIA, E. A. Dos especies de Tisanopteros argentinos nuevos para la ciencia. Soc. Cient. Argentina. An. 154:107-110. Oct.1952. 516 So1
In Heterothrips and Chirothrips.

36126 TAPIA, E. Los "trips" que dañan los citrus en la Argentina. (Abs.) Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):20. Oct.1952. 9 Id3

36127 VALLE, K. J. Die verbreitungsverhältnisse der ostfennoskandischen Odonaten (zur kenntnis der Odonatenfauna Finnlands VI). Acta Ent. Fenn. 10,87 p. Ref. 1952. 421 Ac8

36128 VIEIRA, R. Considerations on the "white ant." (In Portuguese.) Frutas da Madeira 12:277-278, 282,284. Nov.1952. 286.83 F9422

36129 VITÉ, J. P. Verbreitung und formen des "lärchenwipfelsterbens" in Westdeutschland. Forstarchiv 23:225-229. Ref. Dec.15,1952. 99.8 F7723
Taeniothrips laricivorus.

36130 WANGERMEZ, J. Les Aeschnoides en France. Entomologiste 8:72-80. (Cont.) 1952. 421 En814

36131 WERNECK, F. L. Contribution to a knowledge of the Anoplura. III. The genus Eulinognathus. (In Portuguese.) Rev. Bras. de Biol. 12:421-431. Dec.1952. 442.8 R326

36132 YATES, J. Haplothrips niger Osb., the red clover thrips. New Zeal. J. Sci. & Technol. B. Gen. Res. Sect. 34:166-172. Nov.1952. 514 N48B

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

36133 BEASLEY, R. P. Characteristics of farm ponds as affected by topography and design. Mo. Agr. Expt. Sta. B. 566,33 p. Jan.1952. 100 M693

36134 BYOIR, C. Tragic farm fires. Amer. Farm Youth 18(8):32,34. Jan.1953. 6 Am393
Fire prevention.

36135 CRUZ, S. R. Historical notes: agricultural engineering in the Philippines. Philippine Agr. J. 3(2): 36-37. Second Q.1952. 58.8 Ag88

36136 FULTON, F. S. The construction of soil-cement farm roads. Farmer's Wk. [Bloemfontein] 84:41,43. Dec.31,1952. 24 F225

36137 HOGAN, J. Fire hazard forecasts for farmlands. West. Austral. Dept. Agr. J. (ser.3)1:603-607. Sept./Oct.1952 23 W52J
Grass and forest fire prevention.

36138 HOLBROOK, N. K. Lawns and landscaping, flowers and pastures create a transformation in the desert. West. Dairy J. 9(2):14,16-17. Dec.1,1952. 44.8 W524
Layout and landscaping of the dairy farm.

36139 KNIGHT, E. D. The farm fish-pond; a cornerstone of ancient agriculture. J. Soil & Water Conserv. 7:184-186,196. Sept.1952. 56.8 J822

36140 LØCHEN, A. Accidents in farming. (In Norwegian.) Norsk Landbr. 19:16-17. Jan.9,1953. 11 N8122

36141 MANN, D. What kind of farmstead do you want? Kans. Farmer 90(3):6,33. Feb.7,1953. 6 K13

36142 MEEHEAN, O. L., and others. Symposium on farm fish ponds and management. J. Wildlife Mangt. 16: 233-288. July 1952. 410 J827
Articles by L. V. Compton, H. S. Swingle, G. W. Bennett, L. A. Krumholz, K. D. Carlander M. Clark, R. C. Ball, P. G. Barnickol and R. S. Campbell, C. J. D. Brown and N. A. Thoreson, S. B. Saila, and D. S. Rawson and R. A. Ruttan.

36143 MOREL, C. La voirie agricole; les données du problème. Génie Rur. 46:22-24. Jan.1953. 58.8 Au8
France.

36144 PIEL-DESRUISSEAUX, J. Les accidents du travail en agriculture. J. du Fermier et du Metayer 16: 3. Dec.1952. 281.8 J823
France.

36145 SALTER, R. M. The engineer's job in developing America's agricultural capacity to produce. Agr. Engin. 34:83-87,124. Feb.1953. 58.8 Ag83

FARM MACHINES AND EQUIPMENT

36146 BERGER, H. Mechanisierung ja, aber wie? Deut. Landwirt.-Gesell. Mitt. 67:961-962. Dec.18,1952. 18 N39

36147 BEUKERING, J. A. VAN. Surinam's agricultural development and the proceedings of the experiment-farm near Nieuw-Nickerie. (In Dutch.) Landbk. Tijdschr. 64:378-387. June 1952. 105.2 Or3
English summary.
Mechanization of agriculture.

36148 BIONDI, L. Contribution of mechanization to the agricultural rehabilitation of Maremma. (In Italian.) Genio Rur. 15:457-465. Aug.1952. 281.8 R522

36149 BRODELL, A. P., and STRICKLER, P. E. More machines, fewer horses and fewer men on U. S. farms. Agr. Situation [Washington] 37:5-6. Jan.1953. 1 Ec7Ag

36150 BURNETTE, R. C. 1953 farm equipment outlook. East. Milk Prod. 30:7. Jan.1953. 280.28 Sh3

36151 BUSSEK, R. Die maschinen- und traktorenvorführung des Ländlichen Fortbildungswerkes in Stockerau. Landwirtschaft 23/24:379-380. Dec.1952. 19 L235
A show.

36152 CAPEK, D. The mechanization of corn preparation. (In Serbo-Croatian.) Biljna Proizvodnja 4:209-222. Sept./Oct.1951. 64.8 B49

36153 CASHMORE, W. H. Engineering problems on the small farm. Brit. Agr. B. 5:291-294. Jan.1953. 10 B776
Mechanization.

36154 CAZADE, E. En el campo está la redención de Cuba; la mecanización de la agricultura. Tierra Libre 16(11):3. Nov.1952. 8 T443

36155 CERVI, B. El mecanismo y el porque del éxito de las grandes producciones italianas en trigo. Mundo Agr. 4(42):62-63. Nov.1952. 9 M92

36156 CHOMBART DE LAUWE, J. Aspects économiques de l'utilisation en commun du matériel agricole (d'après une enquête dans dix régions). Soc. Franç. d'Econ. Rur. B. 4:121-187. Oct.1952. 281.9 So15

36157 DILLON, M. Mechanisation. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:59-61,63. 1951/52. 10.5 An7

36158 DINI, D. Demonstrations in agricultural mechanics in the province of Massa Carrara. (In Italian.) Agr. Tosc. 7:348. Oct.1952. 16 Ag827

36159 DUSSINE, P. La quatrième démonstration de motoviticulture de l'Institut Technique du Vin. Motorisation Agr. 7:397-399,401,403. Oct.1952. 58.8 M85

36160 DUVIGNAC, A., and others. La motorisation de l'agriculture française. Motorisation Agr. 7:429,431. Nov.1952. 58.8 M85
J. F. Breton, J. Delasnerie, and J. Bondon, joint authors

36161 FIFE, L. S. Farm mechanization and costs. N. Y. Agr. Col. Farm Econ. 188:4930-4932. Jan.1953. 280.8 C812

36162 FISCHER-SCHLEMM, W. E., and KREPELA, W. Prüfung einer "Agria"-universalmaschine. Tech. f. Bauern u. Gärt. Ausg. A 4:483-487. Nov.10,1952. 58.8 T223

36163 FLENNER, K. Wer behindert den freien wettbewerb im landmaschinenverkauf? Genossenschaft 2(24):14-15. Dec.15,1952. 280.28 G283
Austria.

36164 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Caracteristiques des principaux types du parc français de motoculteurs, de motofaucheuses et de mototreuils. France. Serv. de la Doc. sur le Mach. Agr. Etude 86,14 p. Sept.1952. 58.9 F842

36165 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Repertoire alphabetique en langue francaise du lexique trilingue. France. Serv. de la Doc. sur le Mach. Agr. Etude 92,50 p. Dec. 1952. 58.9 F842

36166 GALLETTI, A. C. Mechanization in the clay hills. (In Italian.) Humus 8(11):16-17. Nov.1952. 16 H88
Italy.

36167 GAUNT, J K. The role of farm machinery in the science and practice of wheat improvement. Australas. Baker & Millers' J. 55(669):54,57-58. Dec.1952. 298.8 Au7

36168 GEIGER. Interesse wecken—durch praktische arbeit: erfahrungen im unterricht in maschinenkunde und beim einbau des "Bäuerlichen Werkens" in das unterrichtsfach maschinenkunde. Ausbild. u. Berätung in der Landw. 5:124-126,129. Oct.1952. 18 N11

36169 GILS, A. Le mouvement de cooperatives d'utilisation de machines agricoles en Belgique. Rev. de l'Agr. 5:1339-1349. Dec.1952. 13 R322
English summary.

36170 GLEISBERG, G. Der frontlader—das mädchen für alles. Landtechnik 8:10-11. Jan.15,1953. 58.8 L235

36171 GOWDER, M. T. Progress of cotton mechanization in Tennessee. Cotton Gin & Oil Mill Press 54 (4):16,60-61. Feb.14,1953. 304.8 C822

36172 HENDRY, G. F. Farm machinery statistics. Scot. Dept. Agr. Scot. Agr. Econ. 3:40-42. 1952. 281.9 Sco3S

36173 HENRY, D. L. Mechanization of Eighth District agriculture. Fed. Reserve Bank St. Louis. Mon. Rev. 34:171-180. Dec.1952. 284.8 F31Sa

36174 HOEFFEL, R. L'exploitation familiale agricole en face du problème de la modernisation et de l'équipement. Bas-Rhin Agr. 7:549-550. Nov.22,1952. 14 B29

36175 HUISMAN, L. Mechanization of Netherlands agriculture in the 20th Century. (In Dutch.) Nieuwe Veldbode 19:264. Dec.24/31,1952. 12 V542N

36176 JOHNSON. R. E., and METCALF, J. H. FFA sparks farm modernization and leads to father-son partnership. Elect. Farm Mag. 26(2):8-9. Feb.1953. 335.8 EL27
Cn farm mechanization.

36177 KALVERKAMP, U. D. Agricultural mechanization in 1952. (In Dutch.) Boerderij 37(13):7-8. Dec.24, 1952. 12 B63

36178 KALVERKAMP, U. D. Development of mechanization in agriculture. (In Dutch.) Flattelands-Post 8(51):13. Dec.23,1952. 12 P69

36179 KUHN, F. Landtechniker in USA; bericht über die studienreise des "German Agricultural Machinery and Tractor Produktivity Team." Landtechnik 8:3-9. Jan.15,1953. 58.8 L235

36180 LABROUSSE. La mécanisation agricole des Etats-Unis est-elle transportable dans les Territoires Français d'Outre-Mer? Marchés Colon. du Monde 8: 3067,3069-3070. Nov.29,1952. 286.8 M33

36181 LACOMBE, R. La IVe Foire Internationale de la Vigne et du Vin. Tech. Agr. 63:6-15. Dec.1952. 58.8 T222
Equipment.

36182 LACOMBE, R. Salon de Plein Air du Machinisme Viti-Vinicole, Montpellier—7-19 octobre 1952. Agr. Prat. 116:549-552. Nov.1952. 14 J82

36183 LACOMBE, R. La Valette: assises générales de la motoviticulture. Agriculture [Paris] 16:300-301,303. Dec.1952. 14 Ag823

36184 LEES, A. B. Deployment of farm power. Agr. Econ. 2(11):14-15. Oct.1952. 281.8 Ag832
Mechanization.

36185 LIFT it with power; Country Gentleman photo report. Country Gent. 123(2):38-39. Feb.1953. 6 C833

36186 MCCONNEL, F. W. The problems of the development worker. Inst. Brit. Agr. Engin. J. 9(2): 3-18. Oct.1952. 58.9 In7
Equipment.
Includes discussion.

36187 MCKIBBEN, E. G. The evolution of farm implements and machines. Agr. Engin. 34:91-93. Feb. 1953. 58.8 Ag83

36188 MARAMBA, F. D. Farm mechanization as a national policy. Philippine Agr. Engin. J. 3(2):8. Second Q.1952. 58.8 Ag88

36189 MARAMBA, F. D., and LAZARO, E. Report on the accomplishment of farm mechanization in the Philippines. Philippine Agr. Engin. J. 3(2):9-15. Second Q.1952. 58.8 Ag88

36190 MORRISON, E. M., and DAVIS, L. H. Mechanical power revolutionizes sugar beet production in Utah. Farm & Home Sci. [Utah Sta.] 13:92-94. Dec.1952. 100 Ut1F

36191 MOTZEK, G. Die technisierung der landwirtschaft an der schwelle des neuen wirtschaftsjahres. Landmasch.-Markt 31:812-813. Dec.25,1952. 58.8 L239
Germany.

36192 O'KELLY, E. P. What's new. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:95-98. 1951/52. 10.5 An7
Farm equipment.

36193 RAMBO, E. K. Farm machinery in India. Foreign Agr. 17:9-12. Jan.1953. 1.9 Ec7For

36194 RAPPL, K. Farm und fortschritt. Genossenschaft 2(23):6-7. Dec.1,1952. 280.28 G283
Mechanization and price supports in the United States.

36195 REED, O. E. Dairy industries must mechanize or else. South. Dairy Prod. J. 53(2):118-119. Feb.1953. 44.8 So83
Dairy farm mechanization.

36196 RHEINWALD, H., and SEIDLER, R. Unsere arbeitswirtschaftliche wanderberatung. Ausbild. u. Beratung in der Landwirt. 5:80-82. 1952. 18 N11
Farm equipment demonstrations in Germany.

36197 RILEY, P. O. Pecan growers mechanizing. Acco Press 31:11-12. Jan.1953. 6 Ac2

36198 ROHNER, J. Fahren oder tragen von lasten? Traktor 3:303-304. Dec.1952. 58.8 T677

36199 ROHSE, H. Pushbuttons promote profit. West. Dairy J. 9(4):42-43. Feb.1,1953. 44.8 W524
Dairy farm equipment.

36200 SASSO, G. The first year of agricultural activity of the National Center of Agricultural Mechanics. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)453-454. Nov.1952. 16 C72

36201 SCHAAL, O. Landtechnik gestern und heute. Bad. Landwirt. Wchnbl. 120:11-13. Jan.3,1953. 18 B142
Equipment.

36202 SCOTT, H. K. The right machine for the job. (Extr.) Canad. Farm Impl. 48(12):18,44. Dec.1952. 58.8 C163

36203 SITTON, G. R. Mechanization of rice production. West. Farm Econ. Assoc. Proc. 25:66-69. 1952. 280.9 W527P

36204 SLUSHER, M. W. Economic effects of rice mechanization. Ark. Farm & Res. 1(4):4. Winter 1952. 100 Ar42F

36205 SMITHFIELD Show report. Farm Mech. 5(45): 6-14,31-36. Jan.1953. 58.8 B772

36206 STANTON, H. S. Cotton mechanization a must. Ark. Agr. 31(2):5,17. Dec.1952. 276.8 Ar42

36207 SYCIP, J. A proposal on how modern mechanized farming can be introduced in Mindanao to the benefit of homesteaders as well as the country in general through government and private financial aid. Philippine Agr. Engin. J. 3(2):38-39. Second Q.1952. 58.8 Ag88

36208 TOURTE, R. L'urgence de l'équipement de l'agriculture du Senegal. Bambey Cent. de Rech. Agron. B. 6:59-66. 1952. 24 B21

36209 WESSELY, K. Austria's agricultural machinery industry. Wirtschaftsdienst, Dec.1952:17-20. 280.8 W74E

36210 ZANELLI, P. Introduction to new machines in Italian agriculture. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7:38. July/Aug.1952. 58.9 C33

Animal Husbandry Equipment

36211 BRYAN, J. R. Getting the most out of your mechanical feeder. Pacific Poultryman 57(2):43,53. Feb. 1953. 47.8 P112

36212 BRYAN, J. R. How to get the most from your mechanical feeder. Poultry Tribune 59(3):61-62. Mar. 1953. 47.8 P8642

36213 FLANAGAN, J. E. An automatic watering device for poultry. (In Portuguese.) Agr. e Pecuaria 24 (345):30. June 1952. 9.2 Ag89
Construction.

36214 GOEN, O. F., and JOHNSON, J. M. A calf creep. Fla. Agr. Col. Ext. C. 108,6 p.-folder. Sept.1952. 275.29 F66C

36215 GOEN, O. F., and PETTIS, A. M. Electric pig brooders. Fla. Agr. Col. Ext. C. 110,8 p. Nov.1952. 275.29 F66C

36216 HECKER, E. Maschinenmelken?—ja, aber richtig! Landwirt. Wchnbl. 143:147-148. Feb.7,1953. 18 L2338
Germany.

36217 HELDEN, P. J. J. VAN. Building of a pasture installation for mechanical milking. (In Dutch.) Nieuwe Veldbode 19:110-111. Nov.6,1952. 12 V542N

36218 KAYSER, E. Musmühlen bei der schweinemast. Landmasch.-Markt 31:818-820. Dec.25,1952. 58.8 L239

36219 KENNEDY, C., and HUFFERD, W. Merry-go-round the silo: this revolving feed trough saves hours of labor annually for the Tyners. Elect. Farm Mag. 26(2): 5. Feb.1953. 335.8 EL27

36220 KIND, W. Blick in eine neuzeitliche molkerei. Landmasch.-Markt 31:777-779. Dec.11,1952. 58.8 L239
Equipment.

36221 KOROLEV, V. F. New data on mechanical milking of cows. (In Russian.) Vsesoiuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:277-287. 1950,pub.1951. 44.9 V962

36222 LESLIE, N. Automatic feeders for the thrifty. West. Dairy J. 9(4):39-41. Feb.1,1953. 44.8 W524
For cattle.

36223 MOENS, A. New working methods in care of cattle. (In Dutch.) Boerderij 37(13):23-24. Dec.24,1952. 12 B63
Chiefly equipment.

36224 PAYNE, F. E. An efficient farm poultry enterprise. Saskatchewan Poultry Cat. 19:7,9. 1952. 47.8 Sa7
Equipment.

36225 SCHADE, C. H. Krippenunterteilung für einzelfütterung im kuhstall. Deut. Landwirt.-Gesell. Mitt. 68:34-35. Jan.8,1953. 18 N39

36226 SOMMER, O. A., and BAREISS, G. Die umstellung der kuh und des euters auf das maschinenmelken. Deut. Landwirt.-Gesell. Mitt. 68:3-5. Jan.1,1953. 18 N39

36227 VANDUSEN, F. E. Mechanical silo unloaders. Natl. Assoc. Silo Mfr. Proc. 39:76-82. 1952. 60.79 N21

36228 WITT, M. Kleinbetrieb und melkmaschine; zahlen über das maschinenmelken. Ausbild. u. Beratung in der Landw. 5:128-129. Oct.1952. 18 N11

Cultivation and Tillage Equipment

36229 ARKEMA, P. W. B. The Herveld plowing demonstration. (In Dutch.) Nieuwe Veldbode 19:102-103. Nov.6,1952. 12 V542N
Includes a list of the plows used.

36230 BOER, J. H. DE, and others. Some experiences with mechanical soil tillage. (In Dutch.) Bergcultures 21:491-497,499. Dec.1,1952. 22.5 B45
G. Giesberger, K. F. Jacobs, and F. W. J. Mansvelt Beck, joint authors.

36231 BREVES, J. Nue geräte für die baumschule. Deut. Baumsch. 4:336,338. Dec.1952. 80 D486

36232 COX, M. B. Two-way plow for maintaining terraced land. J. Soil & Water Conserv. 7:187-188. Sept.1952. 56.8 J822

36233 CRUCQ, J. Equipment in the field of potato culture. (In Dutch.) Boerderij 37(16):1-3. Jan.14,1953. 12 B63

36234 DERETA, N. Deep plowing and the operation of the plows of 'Rigoler.' (In Serbo-Croatian.) Biljna Proizvodnja 4:255-260. Nov./Dec.1951. 64.8 B49
Apparently a machine for use particularly in vineyards.

36235 DIPAOLA, G. Experimental tests with a mechanical cultivator. (In Italian.) Italia Agr. 89:787-794. Dec.1952. 16 It1

36236 GLERUM, J. C. Modern plows and their uses. (In Dutch.) Nieuwe Veldbode 19:102. Nov.6,1952. 12 V542N

36237 KOVAĆ, M. Furrowing of areas for vineyards with the balanced plow Carrière-Guyot. (In Serbo-Croatian.) Vojvodanski Poljoprivrejnik 8(15):23-24. Nov. 1952. 21.5 V87

36238 MAIER, E. A. La maquinaria en el cultivo de la caña de azucar. Agr. Mod. [New Orleans] 6(4):24-27,31. (Cont.) Nov.1952. 6 Ag8

36239 NORRGREN, U. Mechanical planting of fruit trees. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 5:122-124. 1952. 86 Sv2F

36240 POWELL, S. C. A hand-operated rotary weeder. Austral. Inst. Agr. Sci. J. 18:222-223. Dec. 1952. 23 Au74

36241 REINAU. Was war und ist uns Meyenburg? I. Tech. f. Bauern. u. Gärt. Ausg. A 4:529-531. Dec.10,1952. 58.8 T223
Tillage equipment.

36242 RICCITELLI, J. A. Estudio geométrico de los cuerpos de arados empleados en nuestro pais. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(57):1-9. Sept. 1952. 9 Id3

36243 SCARAMUZZI, F. A promising new machine for horticulture in the United States. (In Italian.) Humus 8(10):21-23. Oct.1952. 16 H88
For setting up stakes for growing of pole beans.

36244 SHEPARDSON, E. S., WARREN, S. W., and GARMAN, C. G. The effect of power pruners and pruning platforms on the cost of pruning apple trees; plans for a possible pruning platform included; highlights from a study by Lee C. Benson, spring of 1952. N. Y. Agr. Col. A. E. 845,7 p. Jan.1953. 281.9 C81

36245 SMITH, H. P., and MILLER, H. F. Performance of stalk cutter-shredders. Tex. Livestock J. 12:8. Jan.15,1953. 49 T29

36246 SMITH, P. Thin your beets in one day! The new G-W thinner will cover up to 40 acres of sugar beets a day and cut labor costs by a third. Farm J. 77(2):40, 170. Feb.1953. 6 F2212

Fertilizer and Seed Distributors

36247 AUGUSTINSON, L. Fertilizer distributor. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12: 82-83. 1952. 11 K12

36248 FERTILIZER placement machines. Farm Chem. 116(2):15-18. Feb.1953. 57.8 Am3
Experiment developed by the U. S. Dept. of Agriculture.

36249 HOOGLAND, E. J. A. Precision planting equipment for polished beet seed. (In Dutch.) Nieuwe Veldbode 19:104-105. Nov.6,1952. 12 V542N

36250 MOBERG, H. A. Equipment for fertilizer and lime spreading. (In Swedish.) Växt-Närings-Nytt 8(9):35-42. 1952. 57.8 V47

36251 STOESZ, A. D. Seeding native grasses. Crops & Soils 5(5):18-20. Feb.1953. 6 W55
Equipment.

36252 SVIATENKO, M. M. Problems of planting [sugar] beets on an industrial scale in regions of great Communist construction. (In Russian.) Sakh. Promysh. 26(10):4-7. Oct.1952. 65.8 Sa2
Mechanization.

Harvesting Equipment

36253 BALLU, T. Les arracheuses-chargeuses. Betteravier Français 1:7-8. Oct.5,1952. 66.8 B462

36254 BALLU, T. Les démonstrations de recolte de betteraves. Tech. Agr. 62:6-15. Nov.1952. 58.8 T222

36255 BARATTE, J. La rècolte du fourrage. Cahiers des Ingen. Agron. 7(3):16-17. 1952. 14 C112

36256 BENTON, R. H. Nine farmers made a deal. They decided one forage cutter could do the work for all. Prog. Farmer, Miss.-Ark.-La. Ed. 68(2):22. Feb.1953. 6 So81

36257 BILLARD, J. J., and others. Analisis economico de los sistemas de recolección del maiz: la junta mecánica. Argentina. Dir. Gen. de Fomento Agr. B de Prod. y Fomento Agr. 4(33):2-44. Mar.1952. 9 Ar35
N. J. Simonetti, A. Amigo, and E. J. Carbano de Krestchmer, joint authors.

36258 BRANDT. Mähdreschelnsatz 1952 der DEULA-landmaschinenschule Weser-Ems in Freren (Hann.). Praxis u. Forsch. 4:157-158. Dec.20,1952. 18 P89

36259 CIBRIAN RODRIGUEZ, S. Las modernas cosechadoras-ensiladoras. Agricultura [Madrid] 21:672-674. Dec.1952. 15 Ag84

36260 CRUCQ, J. Digging machines for seed potatoes. (In Dutch.) Nieuwe Veldbode 19:107-108. Nov.6,1952. 12 V542N

36261 DIK, P. New and light grain combines for the small farm. (In Dutch.) Nederland. Landb.-Com. Cent. Bur. Meded. 37:8. Jan.1953. 12 N287

36262 DUNCAN, R. A. Status of cane cutting. Hawaii. Sugar Technol. Rpt. 1952:24-25. 65.9 H317

36263 FERRARIO, I. Observations on the use of a hay combine. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7:44-45. July/Aug.1952. 58.9 C33

36264 FINAL details of the sugar beet harvesting demonstration; official figures show how the machines performed individually. Farm Impl. & Mach. Rev. 78: 1767-1770. Feb.1,1953. 58.8 Im72

36265 GNAGI-JOST, F., and others. Zur mähdrescherfrage. Grüne 81:89-95. Jan.23,1953. 17 Sch9
F. Schürch, A. Zuber, and W. Schmid, joint authors.

36266 GUSSONI, L. Modern machinery for harvesting forage crops. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7:39-44. July/Aug.1952. 58.9 C33

36267 HOOGLAND, E. J. A. The English beet digging demonstrations of 1952. (In Dutch.) Nieuwe Veldbode 19: 273-275. Dec.24/31,1952. 12 V542N
Includes equipment.

36268 HOOGLAND, E. J. A. The use of the topping hoe. (In Dutch.) Plattelands-Post 8(45):5. Nov.13,1952. 12 P69
For sugar beets.

36269 DIE KARTOFFELERNTE, ihre möglichkeiten, arbeitsverfahren und maschinen. Tech. f. Bauern u. Gärt. Ausg. A 4:489-492,513-516. Nov.10-25,1952. 58.8 T223

36270 KEHLE, H., and REISCH, E. Zur frage des mähdreschereinsatzes. Württemb. Wchnbl. f. Landwirt. 119:1104-1105,1127-1128. (Cont.) Dec.6-13,1952. 18 W96

36271 KEIFL, K. Zuckerrübenerntemaschinen. Bauer 5(44):2-4. Dec.13,1952. 19 B32
Austria.

36272 KELLER, A. G. Wanted—a good sugar cane harvester. Soc. Auto. Engin. SAE J. 61:86. Jan.1953. 291.9 So1

36273 KELTON, E. They saved their bumble-bee cotton. Soil & Water Mag. 1(12):16-17. Dec.1952. 54.8 So3
Harvesting equipment.

36274 KLOEPPEL, R. Mähdrescherfahrungen aus der ernte 1952. Praxis u. Forsch. 4:153-157. Dec.20, 1952. 18 P89
Germany.

36275 KUZNETSOV, I. Three-row pneumatic cotton harvesting machine, the SKHP-2.1. (In Russian.) Khlopkovodstvo 10:55-60. Oct.1952. 72.8 K522

36276 MERTENS. Grausame rübenernte 1952. Hannoversche Land- u. Forstwirt. Ztg. 105:1306-1307. Dec.24,1952. 18 H194
Equipment.

36277 PAGE, G. E. Potato combine survey. Oreg. Agr. Expt. Sta. C. Inform. 519,27 p. Dec.1952. 100 Or3C

36278 SCHINDLER, J. Vorführung von maschinen für die rübenernte. Landwirtschaft 23/24:377-379. Dec. 1952. 19 L235
Austria.

36279 SOMMERKAMP, G. Der wert des sammelroders in der zuckerrübenernte. Tech. f. Bauern u. Gärt. Ausg. A 4:493-494. Nov.10,1952. 58.8 T223

36280 SYTIN, B. Modernization of the cotton harvesting machine SKHM-48. (In Russian.) Khlopkovodstvo 10: 50-55. Oct.1952. 72.8 K522

36281 TARCHETTI, A. The motor reaper. (In Italian.) Riso 1(10):24-25. Nov.1952. 59.8 R49

36282 TKACHENKO, A. Experience in mechanized harvesting of cotton in the Ukraine. (In Russian.) Khlopkovodstvo 9:46-51. Sept.1952. 72.8 K522

36283 VOGEL, S. L. Saving and handling straw from a combine. N. Dak. Agr. Col. Ext. C. AE-41,6 p.-folder. July 1952. 275.29 N812C

36284 WALZER. Die mechanisierung der getreideernte. Landwirtschaft 23/24:354-356. Dec.1952. 19 L235

36285 WALZER, L. Die mechanisierung der getreideernte. Kärntner Bauer 102:651-653. Dec.20,1952. 19 K14

36286 WIRTZ. Mähdrescher und trocknungsanlage. Praxis u. Forsch. 4:158-159. Dec.20,1952. 18 P89

36287 YUNNIE, R. P. Hay-making [South Africa] by nature's own Ritter process; tripods and barns encourage bacterial action while protecting grass from sun and rain. Farmer's Wk. [Bloemfontein] 84:12-13. Jan.14,1953. 24 F225

Processing Equipment Used on the Farm

36288 AUGUSTINSON, L. Mechanization of silage preparation. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12:90-95. 1952. 11 K12

36289 BINET, P. L'inauguration a la C.A.D.M.O. [Coopérative Agricole de Déshydratation du Multien et de l'Ourcq] d'une déshydrateuse de luzerne. Rev. de l'Elevage 7:714-715. Dec.1952. 49 B462

36290 DOSTAL, C. Le siccateur, facteur peu coûteux d'amélioration de la productivité. Rev. de l'Élevage 8:35. Jan.1953. 49 B462
Hay.

36291 GROSS, F. C. Fodder conservation; making chopped hay with the field forage harvester and mechanical air drying. Power Farming Austral. & New Zeal. 31(11):3,5,7,109,113,115. Nov.1952. 58.8 P87

36292 JAKOB, R. Ein neuartiger einleger. Landmasch.-Rundschau 4:262-263. Nov.1952. 58.8 L237
Attachment for threshing machines.

36293 LAMMERS, H. S. Mechanisierte gerüsttrocknung von rauhfutter. Deut. Landwirt.-Gesell. Mitt. 68: 9-10. Jan.1,1953. 18 N39

36294 OLLIER, C. La déshydratation artificielle des fourrages en coopérative. Génie Rur. 46:12-16. Jan.1953. 58.8 Au8

36295 PARISH, R. Bulk handling of wheat on the farm. Rev. Mktg. & Agr. Econ. 20:182-203. Sept.1952. 286.8 N47M
Equipment.

36296 SINDT, A. Make artificial crop curing standard practice. Nebr. Elect. Farmer 7:11. Jan. 1953. 335.8 N27
Alfalfa and corn.

36297 STENSTROM, L. Mechanization of hay drying. (In Swedish.) Lantmannen 37:106-107. Jan.31,1953. 11 L234

36298 TAGLIOLI, E. A new system for the integral utilization of fresh forage. (In Italian.) Humus 8(11):24-25. Nov.1952. 16 H88
Equipment for drying.

36299 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Mechanical driers for grain crops, by L. Holman and J. Towers. Washington,Nov.1,1952. 3 p. 1.914 R2R11

36300 VOGEL, S. L., and PROMERSBERGER, W. Drying grain with forced air. N. Dak. Agr. Col. Ext. C. AE-40,9 p. June 1952. 275.29 N812C

36301 VOISEY, B. G. The artificial drying of grass and lucerne for the retention of the high protein and high carotene content. Milk Bd. J. 3(11):14-15. Nov. 1952. 44.8 M5934

36302 WIERTSEMA, P. Mechanical ensiling on large grassland farms. (In Dutch.) Nieuwe Veldbode 19: 109-110. Nov.6,1952. 12 V542N

Repair, Maintenance, and Construction Equipment

36303 ANDRZJEWISKI, O. Precautions to be observed with new motors. (In Portuguese.) Granja [Porto Alegre] 8(65/66):58-59. Aug./Sept.1952. 9.2 G76

36304 CHARBONNEAU, R. Les scies mécaniques sur la ferme. Foyer Rur. [Montreal] 12(2):10. Dec. 1952. 7 F83

36305 COOK, G. C., and PHIPPS, L. J. 600 things to make for the farm and home. Danville,Ill.,1952. 599 p. 58 C772S

36306 DILLON, M. Repairs and maintenance. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1: 63,65-67. 1951/52. 10.5 An7
Equipment.

36307 FALLON, J. P. The hose u-tube level, a simple and accurate home made levelling instrument. West. Austral. Dept. Agr. J. (ser.3)1:621-623,625-628. Sept./Oct.1952. 23 W52J

36308 KENNEDY, A. C. Industry and vo-ag's cooperate to teach farmers welding. Better Farming Methods 25(2):54-55. Feb.1953. 58.8 B46

36309 KITCHEN, D. Got an ax to grind? Grinders for the farm shop. Elect. Farmer 7(2):5,26. Feb.1953. 335.8 N27

36310 KITCHEN, D. What makes a good farm shop? Elect. Farmer 6(12).9. Dec.1952. 335.8 N7 N27

36311 KLOETZGEN. Landmaschinenpflege im winter. Bauern-Ztg. 5(50):4. (Concl.) Dec.12,1952. 18 B324

36312 LOUI, D. Barn cleaners. III. Prairie Farmer, Gen. Ed. 125(3):36,56-57. Feb.7,1953. 6 P883

36313 MEYER, F. Der bauer und seine werkstatt. Landtechnik 8:12-13. Jan.15,1953. 58.8 L235

36314 MIGNOTTE, F. L'entretien du matériel, condition de sa rentabilité. Agriculture [Paris] 16:305-306. Dec.1952. 14 Ag823

36315 MÜNGER, H. Ein paar winke für hobel, axt und säge. Grüne 81:113-115. Jan.23,1953. 17 Sch9

36316 SCOTT, J. R. Dollars are saved in the farm repair shop. Farmer's Advocate & Canad. Countryman 88(3439):5,39. Jan.24,1953. 7 F22

36317 SMITH, E. L. The farm machinery service headache. Wash. Farmer 78:35,66. Jan.15,1953. 6 R151

36318 TURNER, J. C. Farm workshop practice: I. The use of hand tools. Farm Mech. 5(45):25-28. Jan.1953 58.8 B772

Spraying and Dusting Equipment

36319 BLANCO, N., and BULANADI, J. A tractor mounted sprayer for your spraying jobs. Philippine Agr. Engin. J. 3(2):21,31. Second Q.1952. 58.8 Ag88

36320 BONDE, R., and PEIKERT, F. Potato spray experiments in 1952 with low-gallonage high concentration equipment. Maine. Agr. Expt. Sta. Mimeog. Rpt. 33,11 p. Jan.1953. 100 M28M

36321 DIK, P. Observations on spraying equipment. (In Dutch.) Cent. Bur. Meded. 36:136-137. Nov.1952. 12 N287

36322 DÜNNEBEIL, H. Die entwicklung der motorisierung in der schädlingsbekämpfung. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:42-45. Feb./Mar.1952. 464.9 N11

36323 ENGRESSER, H. Recherches sur les jets des pulvérisateurs. France. Serv. de la Doc. sur le Mach. Agr. Etude 91,14 p. Dec.1952. 58.9 F842

36324 FAYE, A. L. Airplane spraying at Oahu Sugar Co. Hawaii. Sugar Technol. Rpt. 1952:8-9. 65.9 H317

36325 FEIS, N. The technical apparatus for mist spraying and dusting in the U.S.A. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 15:909-911. Nov. 1952. 86 N384
English summary.

36326 HARTMANN, P., and EXT, W. Der "Unimog," ein idealer helfer im pflanzenschutz. Gesunde Pflanzen 4:319-323. Dec.1952. 464.8 G33

36327 JACKS, H. Soil disinfection. XIII. An injector for field fumigation. New Zeal. J. Sci. & Technol. B. Gen. Res. Sect. 34:139-145. Nov.1952. 514 N48B

36328 LAFON, J. Appareils et produits nouveaux pour la lutte contre le mildiou. Vrai Cognac 47:549-551. Apr.1952. 95.8 V95

36329 MCEWEN, E. R. Maintenance of farm motors. Farm Electrif. 7:13-15. Jan./Feb.1953. 335.8 F224

36330 MESSENGER, K. Use of C-47 airplane for baiting and spraying. Agr. Chem. 8(2):34-36,133,135. Feb.1953. 381 Ag8
For insect control.

36331 MIGNOTTE, F. Du matériel de lutte contre les ennemis des cultures. Motorisation Agr. 7:413,415, 417. Oct.1952. 58.8 M85

36332 SCHUMACHER, G. Pflanzenschutztechnik 1952. Gesunde Pflanzen 5:5-7. Jan.1953. 464.8 G33
Equipment.

36333 SOLAVAGGIONE, L. Italian realizations of a new technique for agricultural spraying. (In Italian.) Genio Rur. 15:319-324. June 1952. 281.8 R522
Equipment.

36334 TAYLOR, E. A., and HILLS, O. A. A wheelbarrow-type sprayer for experimental plots. U. S. Bur. Ent. & Plant Quar. ET-305,4 p. Jan.1953. 1.9 En83Et

Vehicles

36335 AMSTEIN, W. G. Less work with a small tractor. Poultry Tribune 59(3):38-40,88-91. Mar.1953. 47.8 P8642

36336 ARBEL, L. La situation actuelle de l'industrie française du tracteur. Motorisation Agr. 7:461. Dec. 1952. 58.8 M85

36337 BERBERICH, A. Die ermittlung der riemenscheibendurchmesser an traktorbetriebenen kreissägen und dreschmaschinen. Traktor 3:298-299. Dec.1952. 58.8 T677

36338 BJERNINGER, S., and PETTERSSON, A. News on brakes for tractors. (In Swedish.) Lantmannen 37: 102-104. Jan.31,1953. 11 L234

36339 BLASL, A. Für den klein- und bergbauer. Bauer 5(44):8. Dec.13,1952. 19 B32
A new tractor and type of axel.

36340 BRATTON, C. A. Some factors affecting tractor costs. N. Y. Agr. Col. Farm Econ. 188:4926-4929. Jan.1953. 280.8 C812

36341 BURKHART, H. Die technische einrichtung von schlepperunterkünften. Deut. Landwirt.-Gesell. Mitt. 68:11-12. Jan.1,1953. 18 N39

36342 BUSTAMANTE VERNAL, C. El tractor y el cultivo de la papa. Peru. Dir. Gen. de Com. Inform. Com. 3(30):9. June 1952. 286.9 P432

36343 CASA PACHECO, MARQUÉS DE. El tractor agricola y el carburante. Cult. Mod. 35:404-405. Nov. 1952. 15 C89

36344 CHIN, J. W. F. The use of tractors and implements in rice farming. Philippine Agr. Engin. J. 3(2): 39-40. Second Q.1952. 58.8 Ag88

36345 CINGEL, E. H. VAN. Experiments with chain wheels in the Netherlands. (In Dutch.) Landbouwberichten 7:219-220. Dec.18,1952. 12 L236
For tractors.

36346 COUTIAUX, P. Un "pool" des tracteurs; comment sont organisées les stations de tracteurs en U.R.S.S. Motorisation Agr. 7:433,435-437. Nov.1952. 58.8 M85

36347 DANIL'CHENKO, V. Types of electric tractors for irrigated cotton growing. (In Russian.) Khlopkovodstvo 9:52-59. Sept.1952. 72.8 K522

36348 DINGENEN, F. VAN. Le choix d'un tracteur suivant ses caractéristiques. Sillon Belge 22(538):24. Dec.13,1952. 13 Si3

36349 DUVIGNAC, A. Soins journaliers du tracteur. Rev. Agr. de l'Afrique du Nord 50:673-674. Oct.10,1952. 80 R326

36350 ENGELHARD, J. Voici quelques interessantes machines à moteur. Rustica 26:54,72. Jan.18,1953. 14 R92

36351 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Caracteristiques des principaux types de moteurs utilisés dans l'agriculture française. France. Serv. de la Doc. sur le Mach. Agr. Étude 89,30 p. Nov.1952. 58.9 F842

36352 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Dernières responses à une enquête nationale sur le marché des tracteurs agricoles. France. Serv. de la Doc. sur le Mach. Agr. Etude 90,various pagings. Nov.1952. 58.9 F842

36353 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Prix des tracteurs français. France. Serv. de la Doc. sur le Mach. Agr. Etude 93,various pagings. Autumn 1952. 58.9 F842

36354 HOOGLAND, E. J. A. Motor traction in sowing. (In Dutch.) Plattelands-Post 8(47):5. Nov.27,1952. 12 P69

36355 IMPLEMENT & TRACTOR. 1952-53 red tractor book, 37th annual edition. Kansas City,1952. 614 p. 58 Im73

36356 KEARL, C. D. The use of farm trucks. N. Y. Agr. Col. Farm Econ. 188:4919-4921. Jan.1953. 280.8 C812

36357 LEME, H. DE A. Conservation of "pneumatic" tractors. (In Portuguese.) Rev. de Agr. [Piracicaba] 27: 351-360. Nov./Dec.1952. 9.2 R324

36358 LEWIS, H. A. A fresh look at Diesel power. Farm Equip. Dealer 9:44-47. Jan.1953. 58.8 F2224
Tractors.

36359 LIERE, J. G. VAN. Agricultural wagons formerly and now. (In Dutch.) Zeeuwsch Landbbl. 41 (2152):6-7. Dec.24,1952. 12 Z2

36360 LOCKIE, G. D. Mechanising a market garden. Grower [London.] 39:82-83. Jan.10,1953. 286.83 M34
Tractor equipment.

36361 LUCAS, J. Keep those tractors moving. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:79-82. 1951/52. 10.5 An7

36362 LUND, H. Spain, a willing buyer is ready to take 30,000 tractors. Farm Impl. News 74(3):62-63,133-136. Feb.10,1953. 58.8 F22

36363 MAAN, W. J. Five years of agricultural aviation. (In Dutch). Netherlands. Dir. van de Tuinbouw Meded. 15:953-958. Dec.1952. 86 N384
Pest control.

36364 MONTGOMERY, C. C. Infield transportation. Hawaii. Sugar Technol. Rpt. 1952:6-8. 65.9 H317
Equipment.

36365 MUNDE, H. Ueberprüfung des zugkraftbesatzes Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:208-209. Feb.5,1953. 18 L2346
Tractors.

36366 NAVIRE, E. Let us talk again about agricultural mechanics. (In Italian.) Cron. Econ. 118:13-16. Oct.1952. 280.8 C882
Tractors.

36367 NOTTINGHAM. UNIVERSITY COLLEGE. SCHOOL OF AGRICULTURE. DEPT. OF AGRICULTURAL ECONOMICS. Economic facts about tractors. Loughborough,1952. 18 p. (Its F. R. 116) 58 N84

36368 PICARD, R. La traction mécanique en agriculture a-t-elle une incidence sur la fertilité des sols? Culture 38:11-13. (Cont.) Sept./Oct.1952. 14 C894

36369 POORE, R. The operation of tractors on hillsides. Inst. Brit. Agr. Engin. J. 9(2):19-24. Oct.1952. 58.9 In7

36370 PREUSCHEN, R. Schlepperleistung und reifengrösse. Traktor 3:304-305. Dec.1952. 58.8 T677

36371 PRICKETT, G. I. Are you a tractor gambler? Capper's Farmer 64(2):33. Feb.1953. 6 M693
Rules for safe driving.

36372 RENAUD, J. Un tracteur doit adhérer au sol sans le tasser. Inform. Marocaine 624:2. Dec.27,1952. 281.8 In3

36373 REYNOLDS, P. A. This four-wheeler surprised the spectators. Nurseryman & Seedsman 115:1424-1425. Dec.11,1952. 80 N933
Tests with tractors.

36374 ROBINSON, T. H. Some aspects of tractor performance. Agr. & Indus. Life 14(12):26,35. Dec.1952. 25 Ag8
Economic advantages of the light weight tractor.

36375 ROSTON. P. J. The "jeep" as tractor in plowing. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382): 50. Nov.1952. 9.2 B733

36376 RUSSIAN tractors—or potential war machines? Auto. Indus. 108(4):38-42. Feb.15,1953. 291.8 Au82

36377 SAAD, A. Some of the chief causes of the excessive wear in motors of agricultural tractors. (In Portuguese.) Rev. de Agr. [Piracicaba] 27:313-318. Sept./Oct.1952. 9.2 R324

36378 SAMUELSSON, B. Diesel or carburetor motors? (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn. 6:86-88. Dec.1952. 11 Sk1

36379 SAMUELSSON, B. Some medium sized carburetor tractors. (In Swedish.) Skaraborgs Läns Hushsällsk. Tidn. 2:16-17. Apr.1952. 11 Sk1

36380 SCHERUGA. Erläuterungen zu vorstehenden skizzen. Landwirtschaft 1/2:19-20. Jan.1953. 19 L235
On tractor types.

36381 SCOTTON, M. Observations on transportation on an estate in Sienna. (In Italian.) Genio Rur. 15:537-548. Oct.1952. 281.8 R522
Equipment and animal power used and products transported on the farm.

36382 SMITH, C. W., and LARSEN, L. F. Tractor tests. Soc. Auto. Engin. SAE J. 61:62-63. Jan.1953. 291.9 So1
Includes discussion.

36383 STREIF, G. Wie rentiert sich der schlepper im Allgäu? Allgäuer Bauernbl. 21:17-18. Jan.8,1953. 18 AL53

36384 TEODORO, A. L. How to determine the economy of various tractors and how to select a particular engine for a specific case. Sugar News [Manila] 28:566-567-568,570. Dec.1952. 65.8 Su36

36385 TOLAINE, O. How to select an agricultural tractor. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382): 47. Nov.1952. 9.2 B733

36386 TORREIRO, R. Un tractor bien cuidado rinde largo tiempo. Pampa Argentina 25(259,i.e.299):11. Nov. 1952. 9 P19

36387 TROISCHT. Setzen wir den schlepper immer richtig ein? Landwirtbl. Weser-Ems 100:34-35. Jan. 8,1953. 18 L2345

36388 U. S. BUR. OF AGRICULTURAL ECONOMICS. Total tractors on farms, specified years, by States. Washington,1952. 1 p. 1.941 H22T64

36389 UYGURER, Ş. Vue d'ensemble sur l'industrie des tracteurs dans le monde. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankasi. Uç Ayda Bir Çikar 25/26: 72-83. Jan./June 1952. 280.9 T842

36390 WILHELMSON, R. Selection of tractor. (In Swedish.) Lantbrtidskr. f. Stockholms Län och Stad 2(4): 3-6. 1952. 12 L29

36391 WOLFE, J. S. Why not run your tractor backwards? Grower [London] 39:220-221. Jan.31,1953. 286.83 M34

FARM STRUCTURES AND RURAL HOUSING

36392 CANDIOLI, P. The building problem in the agricultural sector. (In Italian.) Colt. e Gior. Vinic. Ital. 98:489-491. Dec.1952. 16 C72

36393 DEFOREST, S. S. Insulate—but do it right. Successful Farming 51(2):48-49,154,156,158-159,167. Feb.1953. 6 Su12

36394 FM PROBLEM study report No. 9: "Operation ramshackle." Farm Mangt. 2(3):35-51. Feb.1953. 281.8 F2225
Design and construction of farm buildings.

36395 FORBES, R. D. Thatched roofs; selected references. U. S. D. A. Libr., Libr. List 56,1 p. Feb. 1953. 1.916 L612

36396 HINCHCLIFF, K. Don't wait—insulate! Capper's Farmer 64(2):30-31,82-83. Feb.1953. 6 M693

36397 KOLL, F. Die dachhaut des bauernhofes. Bauer 5(45):12-14. Dec.20,1952. 19 B32

36398 KOLL, F. Die dachhaut des bauernhofes. Bauer 6(2):3-4. (Cont.) Jan.10,1953. 19 B32
Austria.

36399 MANZINO, G. Economic rural building. (In Italian.) Genio Rur. 15:730-734. Dec.1952. 281.8 R522
Italy.

36400 O'REGAN, J. W. The Rural Hurricane Rehousing Scheme [Jamaica]. Farmer [Kingston] 56:112-115. Oct./Dec.1952. 8 J223

36401 PRATELLI, G. Projects for new rural buildings in Venetia. (In Italian.) Genio Rur. 15:549-556. Oct.1952. 281.8 R522

36402 PRATELLI, G. Recent views and European contributions on rural buildings. (In Italian.) Genio Rur. 15:29-56. Ref. Feb.1952. 281.8 R522
Designs.

36403 REMUS, J. Misère et incertitude des bâtiments agricoles. Culture 38:15-17. Sept./Oct.1952. 14 C894

36404 SLAWSON, H. H. Farm buildings are food factories; let's treat them as such and plan to save labor, protect our products, and promote livestock health. Hoard's Dairyman 98:122. Feb.10,1953. 44.8 H65

36405 STORHEDEN, K. Heat insolation of north walls. (In Swedish.) Lantmannen 37:77. Jan.24,1953. 11 L234

Animal Shelters and Animal Service Buildings

36406 BEESON, F. W. An all year laying shelter. Canada Poultryman 40:4-5,9,28-29. Jan.1953. 47.8 C166

36407 BINKERT, A. Offenstall, die bauweise der zukunft! Bauern-Ztg. 6:9. (Cont.) Jan.9,1953. 18 B324
For cattle.

36408 BINKERT, A. Offenstall, die bauweise der zukunft! Bauern-Ztg. 52:12. (Cont.) Dec.24,1952. 18 B324

36409 BUDDE. Strohhütten für schweine. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:43-44. Jan.8,1953. 18 L2346

36410 CARTER, D. G., and HINCHCLIFF, K. Brand new multi-purpose barn. Capper's Farmer 64:20,44. Jan.1953. 6 M693

36411 DETRY, E. Les arches-colonies. Cour. Hort. 14:616-618. Nov.1952. 80 C834
Poultry housing.

36412 DEVILLE, J. Porcheries modernes. Rustica 26:80,89. Jan.25,1953. 14 R92

36413 DUNK, M. R. Chore saving house for layers. Poultry Tribune 59(3):10-11,30. Mar.1953. 47.8 P8642

36414 GILMAN, W. 4000 hens without pens; a new type of henhouse construction. New Eng. Homestead 126(3):12,26. Feb.14,1953. 6 N44

36415 GREENE, C. Practical operation of pen stabling. Certif. Milk 28:10-13. Jan.1953. 44.8 C33

36416 HANEBUT, F. Der mittellangstand. Unser Milchvieh 4(12):4. Dec.1952. 43.8 Un7

36417 HARTMAN, R. C. Wire floor brooder with central heat. Pacific Poultryman 57(2):6,24,26-27. Feb. 1953. 47.8 P112

36418 HEILER, F. Der offenfrontstall in der geflügelzucht. Deut. Wirtgeflügelzucht. 5:178. Jan.3,1953 47.8 D483

36419 HIMBEECK, C. VAN. Le système de stabulation libre aux Etats-Unis. Agricultura [Louvain] 50: 109-116. Oct.1952. 13 R32

36420 HOFF, P. R., and HURD, L. M. Permanent brooder houses. N. Y. Agr. Col. Cornell Ext. B. 865,24 p. Jan.1953. 275.29 N48E

36421 HOOGMOED, J. E. VAN. A modern loose run housing farm in Central Brabant. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:469-476. Dec.1952. 12 N383M
Cattle.

36422 KRUEGER, W. C. Solar laying house. Poultry Tribune 59(3):12,48-49. Mar.1953. 47.8 P8642

36423 KULKE, E. Milchvieh in laufställen. Deut. Landwirt.-Gesell. Mitt. 67:995-997. Dec.25,1952. 18 N39

36424 KULKE, E. Milchvieh in laufställen. Uebersicht 3(11):48-56. Nov.1952. 18 Ub3

36425 MACNAUGHTON, W. N. Winter shelters for beef cattle. Shorthorn News [Waterloo] 13(4):47. Dec. 1952. 43.8 Sh85

36426 MCGARRY, W. L. Shearing shed design. West. Austral. Dept. Agr. J. (ser.3)1:595-599,601. Sept./Oct.1952. 23 W52J

36427 MAHONEY, G. W., NELSON, G. L., and FRYREAR, J. I. Building the cattle shelter. Okla. Agr. Expt. Sta. Plan 15,16 p.-folder. Nov.1952. 296.9 Ok4

36428 MERBITZ. Wie schaffe ich der ziege im stall gute umweltverhältnisse? Thür. Kleintierzüchter 6:401. Dec.10,1952. 49 T42

36429 MURRE, M. Barn building formerly and today. (In Dutch.) Zeeuwsch Landbbl. 41(2152):8-9. Dec.24, 1952. 12 Z2
Designs.

36430 NEARY, R. F. Better barn—milking building should be trim as well as durable. West. Dairy J. 9(3): 17-19. Jan.1,1953. 44.8 W524
Construction.

36431 NIEDERMEYER, K. Tieflaufstall gleichzeitig frischluststall auch für milchvieh. Ehemalige, p.1-2. In Landwirt. Wchnbl. 143(3). Jan.17,1953. 16 L2338

36432 NORDBØ, H. How to lighten the work in farm service buildings. (In Norwegian.) Norsk Landbr. 19:11-16. (Cont.) Jan.9,1953. 11 N8122

36433 NORDBØ, H. How to lighten the work in farm service buildings. (In Norwegian.) Norsk Landbr. 19:38-44. Jan.23,1953. 11 N8122

36434 NOSKOV, B. G. Milk houses on the farms of collective farms. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:217-228. 1950,pub.1951. 44.9 V962

36435 OHL, R. Von welchem grundsatz muss beim bau von schweinehütten ausgegangen werden? Erwiderung auf die ausführungen von Dr. Scholz, Knau, in Heft 4/1952. Tierzucht 6:405-410. Ref. Dec.1952. 49 T443

36436 PETERSEN, N. Die technik im schweinestall bestimmt den futterverbrauch. Tech. f. Bauern. u. Gärt. Ausg. A 4:539-540. Dec.10,1952. 58.8 T223

36437 SAMAT. Le chauffage et les différences de température. Réveil Agr. 61:376-377. Dec.15,1952. 14 R322
In poultry housing.

36438 SCHAUS, R. Built for beautiful horses. West. Livestock J. 31(11):137. Feb.1953. 6 F2278

36439 SMALCELJ, I. Sheep sheds in eastern Herzegovina. (In Serbo-Croatian.) Stočarstvo 6:306-314. July 1952. 43.8 St6

36440 SOUTAR, D. S. Danish by name or Danish by nature? Farmers Wk. [London] 38(6):62-65. Feb.6,1953. 10 F2226
Design of the Danish piggery.

36441 THOMPSON, R. B., and others. Building a 32 ft. x 32 ft. poultry house. Okla. Agr. Expt. Sta. Plan 16,16 p.-folder. Dec.1952. 296.9 Ok4
G. W. A. Mahoney, G. L. Nelson, and J. I. Fryrear, joint authors.

36442 VRAŽALIĆ, M. Concerning buildings for raising horses. III. (In Serbo-Croatian.) Vojvodanski Poljoprivrejnik 8(15):9-13. Nov.1952. 21.5 V87

36443 WEBB, W. D. Alabama growers find many brooding systems acceptable. Broiler Growing 4(2):18-19,25. Feb.1953. 47.8 B782
Heating.

36444 WITZEL, S. A. Building with poles: you can construct at rock bottom cost a pole type barn on your farm. It should last 50 years or more. Hoard's Dairyman 98:117-136. Feb.10,1953. 44.8 H65

36445 ZORN, W. Haltung und pflege der pferde. Tech. f. Bauern. u. Gärt. Ausg. A 4:537-538. Dec.10,1952. 58.8 T223

Housing.

Farmhouses and Farmsteads

36446 BAQUERO, G. La vivienda rural. Tierra Libre 16(11):2. Nov.1952. 8 T443

Cuba.

36447 BIASUTTI, R. Studies on the rural houses. (In Italian.) Ricerca Sci. 22:1884-1891. Oct.1952. 475 It1

English summary.

36448 DIEPENRINK, J. Fifty years of the housing law. (In Dutch.) Drents Landbbl. 33(43):7. Oct.30,1952. 12 D812

Rural.

36449 GT. BRIT. OFF. OF THE HIGH COMMISSIONER FOR SOUTHERN RHODESIA. Housing and welfare. African South. Rhodesia 6,16 p. May 1952. 277.8 Af8

Includes rural housing.

36450 HARRIS, M. Right location, good plan give you a better farm kitchen. Successful Farming 51(2):44-45, 100-101. Feb.1953. 6 Su12

36451 KRUMM, G. Strukturelle lebensfragen der landwirtschaft am Oberrhein. Bad. Landwirt. Wchnbl. 120:37-38. Jan.3,1953. 18 B142

36452 MAHONEY, G. W., NELSON, G. L., and FRYREAR, J. I. Building a home that fits your needs. Okla. Agr. Expt. Sta. Plan 14,16 p.-folder. May 1952. 296.9 Ok4

36453 MILLETTI, R. Houses for peasants that can be added to. (In Italian.) Agricoltura 1(12):43-49. Dec. 1952. 16 Ag8226

Designs.

36454 MIZE, J. J., HEINER, M. K., and WARREN, J. Design of kitchen storage for farm homes from home management considerations. J. Home Econ. 45:105-109. Ref. Feb.1953. 321.8J82

36455 POPULAR SCIENCE MONTHLY. How to build cabins and ranch houses; with complete directions and plans for interiors, furniture, landscaping, and modern improvements. New York,1952. 252 p. 296 P813

36456 POTENZA, G. Colonization and reform; houses for peasants in Apulia. (In Italian.) Gior. di Agr. 63:4. Jan.4,1953. 16 It1G

36457 PRATELLI, G. Expansible houses for American farms. (In Italian.) Genio Rur. 15:298-302. June 1952. 281.8 R522

36458 RUDEL, E. Das wohnhaus des bauern. Landwirtschaft 23/24:381-382. (Cont.) Dec.1952. 19 L235

Austria.

36459 SMITH, L. This house grew to family size. Capper's Farmer 64(2):26-27. Feb.1953. 6 M693

36460 VAZQUEZ, A. Equipo improvisado para la cocina y el comedor. P. R. Agr. Col. Ext. Folleto DA-10, 5 p. Sept.1952. 275.29 P96Fi

36461 VIGNEROT. Le IVe Congrès de l'Habitat Rural, Strasbourg 10-11-12 octobre 1952. Agr. Prat. 116:546-547. Nov.1952. 14 J82

Greenhouses and Plant Service Buildings

36462 BALL, V. "Hoseboye"—the answer? Grower Talks 16(10):1-7. Feb.1953. 80 G91

Automatic watering machine for greenhouses.

36463 BOSSARD, R. Le chauffage du sol sous abri vitre; essai de comparaison entre le coût respectif des divers procédés usuels. Rev. Hort. 124:778-780. Oct./Nov.1952. 80 R32

36464 SPRINGER, G. Build an inexpensive greenhouse. Org. Farmer 4(6):26-27,53-54. Jan.1953. 57.8 Or3

Materials and Methods

36465 MIDDLETON, G. F. Earth wall construction; the adobe or puddled earth method. Power Farming Austral. & New Zeal. 61(11):25,27,29-30. Nov.1952. 58.8 P87

Storage Structures

36466 FERREYRA, L. G. Graneros. Chacra 23(266): 59. Jan.1953. 9 C34

36467 GOETZ, K. Problem "bauernsilo." Deut. Landwirt.-Gesell. Mitt. 68:8-9. Jan.1,1953. 18 N39

36468 KELLY, C. F., and WILSON, W. O. Bulk feed bin construction. Broiler Growing 4(2):12-13,48,50,52. Feb.1953. 47.8 B782

36469 MAHESWARIAH, M. Some indigenous structures used for grain storage in rural parts of Mysore. Mysore Agr. J. 28:37-45. July/Sept.1952. 22 M993

36470 NEKHAI, P. N. Motorized trench digger. (In Russian.) Sakh. Promysh. 26(10):44-46. Oct.1952. 65.8 Sa2

Storage for sugar beets.

36471 TARABIONO, C. Silos in iron: safe for grain. (In Italian.) Selezione di Tec. Molitoria 3(6):31-32. Oct 1952. 298.8 Se42

Walls and Fences

36472 CENTRE DE PROPAGANDE ET DE VULGARISATION DE LA CLÔTURE ELECTRIQUE, NANTERRE. Guide de l'usager de la clôture électrique. Ed. 2. Nanterre,1952. 70 p. 335 C333

36473 JAGER, H. Welches elektrozaungerät ist das beste? Tech. f. Bauern u. Gärt. Ausg. A 4:516-518. Nov.25,1952. 58.8 T223

36474 SAFAR, R. Über das mauerwerk. Landwirtschaft 1/2:31-32. Jan.1953. 19 L235

36475 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Contour fencing. U. S. Soil Conserv. Serv. Upper Miss. Region JS-29,2 p. Nov.1952. 1.9605 J11

FARM UTILITIES

Electricity and Electrification

36476 CLAPPER, H. Power loads call for modern wiring; as farmers turn to "current" methods. Elect. Farm Mag. 26(2):11,16. Feb.1953. 335.8 EL27

36477 DO YOU take electricity for granted? Farm Mangt. 2(3):77-79. Feb.1953. 281.8 F2225

Electricity on the farm.

36478 ELECTRICITY SUPPLY BOARD. Rural electrification. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:69-71. 1951/52. 10.5 An7

Ireland.

36479 FEDELE, F. Electricity prohibited. (In Italian.) Agricoltura 1(11):38-39. Nov.1952. 16 Ag8226

Problem of farm electrification in Italy.

36480 GAINES, J. P., and DAVIS, J. F. Electricity on farms in the Clay Hills Area of Mississippi. Miss. Agr. Expt. Sta. B. 493,42 p. Aug.1952. 100 M69

36481 LAWTON, R. Rural electric co-op started in '14; Tunnelville, Vernon County, first area in State with co-op power. Wis. REA News 13(6):6,10. Jan.1953. 335.8 W75

36482 LEHMANN, E. W. Electrification is key to farm problem. (Condensed.) Qualified Contractor 17 (12):22-24. Dec.1952. 335.8 Q2

36483 LULLO, C. DI. Electricity on the farm. (In Italian.) Agenzia Romana Note e Inform. Agr. 5(107, sup.):1-7. Dec.7 Dec.27,1952. 281.8 Ag3

36484 MÖBUS, W. Elektrische installation auf dem bauernhof. Landmasch.-Markt 31:788-789. Dec.11,1952. 58.8 L239

36485 NATIONAL RURAL ELECTRIC COOPERATIVE ASSOCIATION. A report to members concerning 11th annual meeting, January 26-29, 1953, Civic Auditorium, Civic Center, San Francisco, California. Rur. Electrif. Mag. 11(5):35-54. Feb.1953. 335.8 N21

36486 SCHULTZ, C. Pole numbering pays. Rur. Electrif. Mag. 11(5):55. Feb.1953. 335.8 N21

36487 SHEPPERD, R. Background and objectives of new REA organization. Washington,U. S. Rur. Electrif. Admin.,1952. 5 p. 1.933 Sh4

Address at NRECA regional meeting, French Lick, Ind., Sept. 25, 1952.

36488 SYMINGTON, W. S. Rural power and world power. (Excerpts.) Rur. Electrif. Mag. 11(5):26. Feb. 1953. 335.8 N21

Farm electrification.

36489 U. S. RURAL ELECTRIFICATION ADMIN. Report, 1951/52. Washington,1952. 40 p. 173.2 R88A

36490 U. S. RURAL ELECTRIFICATION ADMIN. Working outline on educational and recreational uses of electricity, by L. Mamer. Washington,1952. 14 p. 1.933 W894
Equipment.

36491 WICKARD, C. R. Progress of the REA programs. Washington,U. S. Rur. Electrif. Admin.,1953. 4 p. 1.91 A2W63
Address at convention of National Rural Electric Cooperative Association, Jan. 26, 1953, San Francisco.

Heating, Lighting, and Radiation

36492 BAKER, E. Heat lamps; this latest contribution of science to farming should prove a boon to the great majority of Kentucky farmers who rely heavily on the all-important br ooding operation. Rur. Kentuckian 5(11):6,22,29. Dec.1952. 335.8 K41

36493 DEMORTIER, G. La ferme, centre de production d'un carburant gazeux. Ann. de Gembloux 58: 225-263. Fourth Q.1952. 13 G28
Methane gas manufacture.

36494 GINGLES, R. Broilers can raise themselves. Elect. Farm Mag. 26(2):12-14. Feb.1953. 335.8 EL27
Heating equipment.

36495 MÖLLER, T., and NORÉN, O. Elektriska vattenvärmare för ladugårdar. Electric water heaters for dairy barns. Jordbrtek. Inst. Meddel. 244,66 p. 1952. 58.8 J762
English summary.

36496 VOEGELI, H. E. "Pigs is (better) pigs" with radiant panel heating; an interesting development in pig raising. Plumbing & Heating J. 124(5):69,133-134. Feb.1953. 291.8 P73

Water Supply

36497 DONEGAN, L. E. Concrete facts about a pump house. Elect. Farmer 6(12):7,28. Dec. 1952. 335.8 N27
Concrete construction.

36498 FLORES SOUZA, G. Abastecimiento de agua potable en el medio rural mexicano. Ingen. Hidraul. en Méx. 6(2):47-54. Apr./June 1952. 290.8 In43
Englisn summary.

36499 MCPHEE, G., and LUBINUS, L. Water & sewage systems for the farm. S. Dak. State Col. Agr. Ext. C. 466,rev.,24 p. June 1952. 275.29 So85

36500 NABBEN, M. The farm water system. 20. Stock & Dairy Farmer 40(3):3,10. Sept.1952. 6 N8195

36501 SBARRA, N. H. Nociones elementales sobre el pozo perforado para la provisión de agua potable en el campo. Campesino [Santiago] 84(12):7. Dec.1952. 9.3 So12

36502 SORRELS, J. H., and ZELLER, F. J. A. Rural water supply and sewerage. Disinfection of rural surface water supplies with chlorine. Tex. Engin. Expt. Sta. B. 128,14 p. Dec.1952. 290.9 T31

36503 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Spring development for livestock use. U. S. Soil Conserv. Serv. JS-28,2 p. Nov.1952. 1.9605 J11

36504 WOHLRAB, B. Das wasser als produktionsfaktor in der landwirtschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:45-46. Jan.8,1953. 18 L2346
Farm water requirements.

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

36505 AKADEMIÍA NAUK. OTDELENIE BIOLOGICHESKIKH NAUK. Belki v promyshlennosti i sel'skom khozíaĭstve. Konferentsiía po belku [Proteins in industry and agriculture. Conference on protein]. Moskva,1952. 362 p. 387.1 Ak12

36506 BOYD ORR, LORD. We can feed the world. Grain Prod. News 5(6):15-20. Jan.1953. 286.81 G764

36507 CANADIAN FOOD INDUSTRIES. Food's who. Canad. Food Indus. 24(2):29,31-35. Feb.1953. 286.83 C166

36508 CHESTER, K. S. More food for tomorrow. Natl. Inst. Anim. Agr. Proc. 2:93-99. 1952. 49.9 N219

36509 CLARK, F. L G. Food and the future; the problem of future world food supply; the yardstick of population. Chem. & Indus. 5:98-101. Jan.31,1953. 382 M31C

36510 FENELON, K. G. Britain's food supplies. London,Methuen,1952. 212 p. Ref. 389 F353

36511 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. World food survey, second. Rome,1952. 59 p. 389 F738

36512 GANE, R. The work of the Food Investigation Organization. Internatl. Cong. Refrig. Proc. 8:766-767. 1951. 295.9 In82
Includes discussion.

36513 JUSCAFRESA, B. La superpoblación jamás puede crear un problema de subsistencias. Ceres [Valladolid] Sup. Inform. 17(456):7-9. Nov.15,1952. 15 C33

36514 KLINGE, G. La producción alimenticia; el aumento de la producción de alimentos en el mundo. Peru. Dir. Gen. de Com. Inform. Com. 3(26):4-6. Feb. 1952. 286.9 P432

36515 LARSEN, R. A. Destination: combat. Amer. Miller & Processor 81:32-33,103,106-109. Jan.1953. 298.8 Am32
Army rations.

36516 LAWREN, J. Tropical food research paving way for new industry. South. Food Processor 13(12):10. Dec.20,1952. 389.8 So82

36517 NAZARIO, L. A., and DIAZ CRUZ, E. El abasto de alimentos en Puerto Rico. Rev. de Agr. P. R. 43:23-29. Jan./June 1952. 8 R325

36518 RAO, V. K. R. V. A new food policy for India. Output 6:3,5-6. Aug./Oct.1952. 286.8 Ou8

36519 RATTO, M. O. From prosperity to depression in Australia. (In Italian.) Riv. di Polit. Econ. (ser.3) 42:1208-1220. Oct.1952. 280.8 R52
Includes the food industry.

36520 RECKE, H. J. Grundfragen der deutschen ernährungspolitik. (Extr.) Zucker- u. Süsswaren-Wirt. 5:891-892. Nov.20,1952. 286.86 Z8

36521 RHODES, N. Surplus and want. For Sale, Want & Exch. B. 7(5):1,4. Jan.2,1953. 280.38 F74
Food.

36522 SCHOLTZ, W. J. Agricultural resources in the service of the world; can the world feed its growing population? (In Afrikaans.) Landbouweekblad 34(1745): 15,19. Dec.24,1952. 24 L232

36523 SEN, S. R. Population and food supply in India. India. Dir. Econ. & Statis. Agr. Situation India 7:447-460. Nov.1952. 281.9 In23

36524 LA SITUATION alimentaire au Pakistan. B. Com. Belge 66(11):66-71. Nov.25,1952. 286.8 B41
Based on report by J. Herckens.

36525 SMITH, K. B. Observations in the food industry of the United States of America. Food Technol. Austral. 4:231-232,237,239,241. (Cont.) Aug.1952. 389.8 F7333

36526 TRUOG, E. Facts and fallacies about food and feed production. Vet. Sci. News 6(4):8-9. Jan.15,1953. 41.8 V6492

36527 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A Thanksgiving look at world food supples, by F. J. Rossiter. Washington,Nov.22,1952. 2 p. 1.914 R2R11

36528 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. World food situation 1953. U. S. Off. Foreign Agr. Relat. WFP-1-53,35 p. Jan.30,1953. 1.943 F7625

36529 WAUGH, F. V. Food supply and prospects. Washington,U. S. Bur. Agr. Econ.,1952. 2 p. 1.941 P4W35
Summary of talk at the National Food and Nutrition Institute, Washington, D. C., Dec. 8, 1952.

36530 WILLIS, P. S. Foundations of the food industry. Natl. Inst. Anim. Agr. Proc. 2:5-19. 1952. 49.9 N219

36531 WITT, L. Increasing population and food trends. Food Technol. 7(2):84-85. Feb.1953. 389.8 F7398

36532 WRIGHT, N. C. Britain's food supplies. Brit. Agr. B. 5:259-265. Jan.1953. 10 B776

ANALYSIS AND COMPOSITION

36533 AKITA, T., and NAKASHIMA, T. Studies on the foodstuffs in emergencies. 19. On the properties of alkaloids in Lycoris radiata and of sugars in Imperata arundinaceae. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:452-454. 1952. 385 Ag8
English summary.

36534 ANDERSON, E. E., ESSELEN. W. B., and HANDLEMAN, A. R. The effect of essential oils on the inhibition and thermal resistance of microorganisms in acid food products. Food Res. 18:40-47. Ref. Jan./Feb. 1953. 389.8 F7322

36535 BANASIK, O. J., WISCHOW, R., and HARRIS, R. H. Observations on the digestion of starch by alpha amylase employing a light transmission technique. Brewers Digest 28:51-54. Ref. Jan.1953. 390.8 B75

36536 BASU, K. P. Vegetable proteins, their chemical characteristics. Soc. Biol. Chem. India. Proc. 10:16-18. Oct.1952. 385 So13F

36537 BULANKIN, I. N. At the sources of our native science on proteins. (In Russian.) Uspekhi Sovrem. Biol. 34:453-472. Ref. Nov./Dec.1952. 442.8 Er3

36538 GAVRILOV, N. I. On methods of investigating the structure of protein and concerning its micromolecule. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaĭstve, p.30-63. Ref. Moskva,1952. 387.1 Ak12

36539 HUNTER, J. G. The composition of bracken: some major-and trace-element constituents. J. Sci. Food & Agr. 4:10-20. Ref. Jan.1953. 382 So12

36540 JAKOVLIV, G., and COLPÉ, G. Méthode chromatographique sur colonne pour la recherche et l'identification des colorants ajoutés aux aliments. Ann. des Falsif. et des Fraudes 45:435-436. Nov./Dec.1952. 389.8 An72

36541 LEPPER, H. A. Methodology. Food Drug Cosmetic Law J. 7:783-792. Dec.1952. 389.58 F732
Analysis of agricultural products.

36542 MORSE, R. E. Ascorbic acid and sequestered copper. Food Res. 18:48-56. Ref. Jan./Feb.1953. 389.8 F7322

36543 MOSSEL, D. A. A. The significance of the specific spoilage microflora for the food microbiology. (In Dutch.) Tijdschr. over Plantenziekten 58:267-268. Ref. 1952. 464.8 T44
English summary.

36544 OREKHOVICH, V. N. Chemical composition and structure of proteins. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaĭstve, p.11-29. Ref. Moskva, 1952. 387.1 Ak12

36545 OTTING, W. Borsäure-bestimmung in pflanzlichen und tierischen produkten. Angew. Chem. 64:670-679. Dec.21,1952. 384 Z33

36546 SHEPPARD, D. Rating methods for assessing food qualities. Food [London] 22(256):13-17. Ref. Jan. 1953. 389.8 F738
Tests.

36547 SOCIETY OF BIOLOGICAL CHEMISTS. Symposium on vegetable proteins. Soc. Biol. Chem. India. Proc. 10:15-35. Oct.1952. 385 So13F

36548 STEINBERGS, A. A rapid turbidimetric method for the determination of small amounts of sulphur in plant material. Analyst 78(922):47-53. Ref. Jan.1953. 382 An1

36549 SUBRAHMANYAN, V. Biological chemists and food industries. Soc. Biol. Chem. India. Proc. 10: 7-13. Oct.1952. 385 So13P

36550 WILLIAMS, O. B., and PURNELL, H. G. Spore germination, growth, and spore formation by Clostridium botulinum in relation to the water content of the substrate. Food Res. 18:35-39. Ref. Jan./Feb.1953. 389.8 F7322

36551 WITSCH, H. VON, and FLUGEL, A. Praktische erfahrungen mit dem Phycomyces-test auf vitamin B_1. Brauwissenschaft 11:185-188. Nov.1952. 390.8 B733
English summary.

CONSUMPTION AND UTILIZATION

36552 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ÉTUDES ÉCONOMIQUES. Une enquête par sondage sur l'alimentation et les dépenses des ménages d'ouvriers mineurs du groupe de Lens. France. Inst. Natl. de la Statis. et des Études Écon. B. Mens. de Statis. Sup., (n.s.)Oct./Dec.1952:63-71. 260 St22B
Includes expenditures for food.

36553 GT. BRIT. MINISTRY OF FOOD. Domestic food consumption and expenditure, 1950; with a supplement on food expenditure by urban working-class households, 1940-1949. London,1952. 131 p. 389.9 G798

36554 KEIDING, E. Como aprovechan subproductos agropecuarios las fábricas medicinales dinamarquesas. Inform. Danesas 3:11-15. 1952. 286.8 In33

36555 NYBROTEN, N. Consumer choice and research in standards for consumer grades. J. Farm Econ. 35:135-139. Feb.1953. 280.8 J822

36556 PHILLIPS, K. L. New uses for Prairie crops. Canad. Chem. Processing 37:82-83. Jan.1953. 381 C16

36557 WILSON, J. R. What foods do consumers need and want? Natl. Inst. Anim. Agr. Proc. 2:54-61. 1952. 49.9 N219

DISTRIBUTION, MARKETING, AND TRANSPORTATION

36558 AGRELL, G. Corporations within marketing cooperatives. (In Swedish.) Skogsägaren 28:213-215. Oct.1952. 99.8 Sk55
Includes farm cooperatives.

36559 ANDREWS, H. I. A solid-absorption machine for refrigerated railway vehicles. Internatl. Cong. Refrig. Proc. 8:663-666. 1951. 295.9 In82
Includes discussion.

36560 BALENSI, M., and DETANGER, P. M. Conditions à remplir pour la construction et l'usage des camions et containers frigorifiques en vue de leur normalisation éventuelle. Internatl. Cong. Refrig. Proc. 8: 698-700. 1951. 295.9 In82

36561 BARDENFLETH, B. VON. Rationalisierung der landwirtschaftlichen bezugs- und absatzsysteme. Deut. Landwirt.-Gesell. Mitt. 67:985-987. Dec.25,1952. 18 N39

36562 BYRNE, R. J., and CONYERS, L. N. Motor-truck inventory of farmer cooperatives March 31, 1951. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 168,20 p. Dec.1952. 166.3 M68

36563 CAVINA, R. Market for agricultural products. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C.C.P.L. 5:339,352. Nov.1952. 44.8 B634
Brazil.

36564 CHEVALLIER, H. Étude comparée des divers moyens frigorigénes comme source de froid pour le transport en vue d'en déduire les limites de leur application pratique. Internatl. Cong. Refrig. Proc. 8:675-578. 1951. 295.9 In82

36565 CLARGO, H. H. Future outlook for the retail trade. Agr. Merchant 32:265-267. Oct.1952. 10 Ag89

36566 COOK, W. H., THISTLE, M. W., and YOUNG, O. C. Handling of perishable traffic on Canadian railways. Internatl. Cong. Refrig. Proc. 8:672-675. 1951. 295.9 In82
Includes discussion.

36567 DEAMBROSIS, J. R. La comercialización y seguro de las cosechas. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(445):8-10. Dec.11,1952. 9.9 G15B
Work of the Production and Marketing Administration and other USDA offices.

36568 EAMES, T. A. Use of insulated and refrigerated containers for the transport of perishable foodstuffs by rail, by land, and by water. Internatl. Cong. Refrig. Proc. 8:690-692. 1951. 295.9 In82

36569 FOOD marketing's missing link. Farm Mangt. 2(2):70-73. Jan.1953. 281.8 F2225

36570 GRASSINI, P. The work of the "Fund" in Campania. (In Italian.) Cassa per il Mezzogiorno. Not. 1:22-25. Oct.1952. 280.8 N82
Road building.

36571 HICKS, E. W., and VICKERY, J. R. The calculation of refrigerator car performance. Internatl. Cong. Refrig. Proc. 8:693-695. 1951. 295.9 In82

36572 INSTITUT FUR LANDWIRTSCHAFTLICHE MARKTFORSCHUNG, BRAUNSCHWEIG-VOLKENRODE. Die landwirtschaftlichen märkte an der jahreswende 1952/53. Agrarwirtschaft 2:1-25. Jan.1953. 281.8 Ag826

36573 JAEGER, H. The canner vs the housewife. Canning Trade 75(30):46-47. Feb.9,1953. 286.83 T67
Public relations in the industry.

36574 JOHANNESBURG. PRODUCE MARKET. Annual trading results 1951—1952. Johannesburg,1952. 11 p. 280 39 J59

36575 JOHNSON, E. A., and UELAND, G. A. A handbook for extension workers in food marketing. U. S. Ext. Serv., Ext. Serv. C. 485,42 p. Ref. Dec.1952. 1.9 Ex892Esc

36576 KOHLS, R. L. What's going on "in-between?" Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers, Dec.29,1952:1-3. 275.29 In2Em
Marketing costs.

36577 KRAUTLE, K. Verkürzung des weges vom erzeuger zum verbraucher. Württemb. Wchnbl. f. Landwirt. 119:1103-1104. Dec.6,1952. 18 W96

36578 LENTZ, C. P., and COOK, W. H. Transport and storage of perishables in Canada. Refrig. Engin. 61:160-163,202. Ref. Feb.1953. 295.9 Am32J
Frozen foods.
Includes discussion.

36579 MALATIER, H., and VERLOT, J. B. Conditions à établir pour la préparation, avant expédition de denrées périssables, destinées à être transportées sous régime de froid par wagon, container, ou camion. Internatl. Cong. Refrig. Proc. 8:693-684. 1951. 295.9 In82

36580 MARSHALL, H. The wholesale grocer's role in frozen food distribution. Quick Frozen Foods 15(7): 45-46,128. Feb.1953. 389.8 Q4

36581 MIGEON, G. Les véhicules routiers de transport des denrées périssables sous le régime du froid. Rev. Prat. du Froid 8(3):24-26,46. Dec.1952. 295.8 R323
Refrigerator trucks.

36582 MORELL, B. M. El Servicio de Información de Mercados y el fomento de la producción de alimentos. Rev. de Agr. P. R. 43:234-238. Jan./June 1952. 8 R325

36583 NEW YORK PRODUCE EXCHANGE. Annual report 1951—1952. n.p.,1952. 31 p. 287 N482

36584 OHIO. BUR. OF MARKETS. Biennial report, July 1950 —June 1952. n.p.,1952. 21 p. 280.39 Oh3R

36585 OVERAAE, H. Cooperation in 1951. (In Norwegian.) Samvirke [Oslo] 47:504-507. Dec.15,1952. 280.28 Sa4
Marketing.

36586 PALMIERI, D. Aperçu des problémes actuels relatifs aux transports des denrées périssables par wagons, containers ou camions. Internatl. Cong. Refrig. Proc. 8:660-663. 1951. 295.9 In82

36587 PALMIERI, D. Considérations sur les différents régimes de transport des denrées périssables par voie de fer en Europe, et sur des recommandations relatives à leur normalisation. Internatl. Cong. Refrig. Proc. 8:678-680. 1951. 295.9 In82

36588 PENTZER, W. T., and REDIT, W. H. Refrigerator cars and their use in the United States. Internatl. Cong. Refrig. Proc. 8:669-671. 1951. 295.9 In82

36589 PROCTOR, D. M. Insulated and refrigerated vehicles for transport of food. Internatl. Cong. Refrig. Proc. 8:700-702. 1951. 295.9 In82

36590 SAVILLE, G. Transport and the food industry. I. Food Mfr. 18:70-72. Feb.1,1953. 389.8 F736
Great Britain.

36591 SCHRODER, E. Comparaison des divers modéles de wagons réfrigérants de construction récente en vue d'en déduire des types améliorés et standardisables. Internatl. Cong. Refrig. Proc. 8:680-682. 1951. 295.9 In82

36592 SILENCE, F. H. Symbol of economic freedom. Coffee & Tea Indus. 76:23,69. Jan.1953. 389.8 Sp4
Commodity exchanges.

36593 SRIVASTAVA, R. S. Food problem and market reforms. Agr. Econ. 2(11):12-13,24. Oct.1952. 281.8 Ag832
India.

36594 UNDERHILL, E. R. Transportation in the romance of agriculture. Farm Loan News [New York] 96:4-5. Dec.1952. 284.28 F2262

36595 U. S. AGRICULTURAL RESEARCH ADMIN. Report of activities under the Agricultural Marketing Act, 1951/52. Washington,1952. 12 p. 1.90 R3R2932

36596 U. S. LIBRARY OF CONGRESS. DIV. OF MAPS. Marketing maps of the United States; an annotated bibliography. Ed. 2, rev. Washington,1952. 100 p. 241.3 Un317

36597 U. S. PRODUCTION AND MARKETING ADMIN. The historical development of the market news service of the United States Department of Agriculture, by M. R. Sorenson. Washington,1952. 13 p. Ref. 1.956 A2H62

36598 U. S. PRODUCTION AND MARKETING ADMIN. Marketing services of United States Department of Agriculture. Washington,1952. 15 p. 1.956 A2M3422

36599 U. S. PRODUCTION AND MARKETING ADMIN. Report, 1951/52. Washington,1953. 130 p. 1.956 A2R29

36600 VALAY, G. L'organisation des marchés agricoles européens. Rev. de Lég. Agr. 5:255-261. Dec. 1952. 281.8 R325

36601 VASSOGNE, G. Contribution à l'histoire des transports frigo. Rev. Prat. du Froid 8(4):24-26,46. Jan. 1953. 295.8 R323

36602 WAGENAAR, J. M. Reorganization or discontinuance of the I.A.P.I.? (In Dutch.) Landbouwwereldnieuws 7:722-725. Nov.8,1952. 12 L237
Cooperative marketing of agricultural products in Argentina.

36603 WAUGH, F. V. Agricultural marketing research since 1946. Washington,U. S. Bur. Agr. Econ., 1952. 5 p. 1.941 P4W35
Talk at the meeting of the New England Research Council Amherst, Mass., June 19, 1952.

36604 WILLS, W. J. Illinois farmers need better market reports. Ill. Farm Econ. 208/209:1405-1407. Oct./Nov.1952. 275.28 IL5

36605 WORKING, H. Western needs for futures markets. West. Farm Econ. Assoc. Proc. 25:95-98. 1952. 280.9 W527P

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

36606 ADELMAN, A. L. 402 (a) (3) and the de minimis problem. Food Drug Cosmetic Law J. 8:49-62. Jan.1953 389.58 F732

36607 AMBROSIO, A. D'. Bases for modern legislation on food conserves. (In Italian.) Assoc. Ital. Indus. Prod. Aliment. B. 6:186-193. Oct./Nov.1952. 389.9 As75

36608 BREED, W. R. History and administration of the United Kingdom: weights and measures legislation. Food Drug Cosmetic Law J. 8:5-30. Jan.1953. 389.58 F732

36609 CRAWFORD, C. W. The limitations of consumer food protection under existing laws. Food Drug Cosmetic Law J. 8:31-38. Jan.1953. 389.58 F732

36610 CRAWFORD, C. W. Limitations of consumer food protection under existing laws. J. Home Econ. 45: 81-84. Feb.1953. 321.8 J82

36611 DUNN, C. W. Some observations on the Food and Drug Law. Food Drug Cosmetic Law J. 8:39-48. Jan.1953. 389.58 F732

36612 FRENZL, H. Ziele und aufgaben der lebensmittelkontrolle. L u. E 5(11):14-16. (Cont.) Nov.1952. 389.8 Z34
Austria.

36613 GULLEY, C. Food standards. Ala. Tuskegee Inst. Serv. 17(7):21,26. Feb.1953. 280.8 Se62

36614 KERR, M. P. Working to keep food, grain clean; teamwork demonstrated by industry, Government. Feed Bag 29:13,96. Jan.1953. 389.78 F32

36615 KNIGHT, G. F. What are pesticides doing to human beings? Ill. Mod. Nutr. 5(11):5-8. Dec.1952. 389.9 Am352

36616 MEJIA MATTEI, J. El servicio de inspección de productos agrícolas elaborados en Puerto Rico. Rev. de Agr. P. R. 43:213-220. Jan./June 1952. 8 R325

36617 ROE, R. S. The Food and Drug Administration: evolution of the field organization. Food Drug Cosmetic Law J. 7:773-782. Dec.1952. 389.58 F732

36618 SJÖSTROM, L. B., and CAIRNCROSS, S. E. What makes flavor leadership? Food Technol. 7(2):56-58. Feb.1953. 389.8 F7398

36619 STAPLETON, B. F. The consuming public. Food Drug Cosmetic Law J. 7:793-803. Dec.1952. 389.58 F732
Work of the Food and Drug Administration.

PACKING AND PACKAGING

36620 BUCK, J. A. Food packaging; progress in 1952. Food Mfr. 18:53-57,69. Ref. Feb.1,1953. 389.8 F736

36621 FRANCO BETANCOURT, J. J. Packaging. (In Spanish.) Agrotecnia 7:11-13. Nov./Dec.1952. 8 Ag825
Food.

36622 HAMMOND, A. E. Quick-frozen foods: a survey of packaging developments and problems in the quick-frozen food industry. Food [London] 22(257):47-51. Feb. 1953. 389.8 F738

36623 LEIN C. The approach to packaging; a discourse on the contemporary attitude to recent developments in food packaging. Food [London] 22(257):44-46. Feb.1953. 389.8 F738

36624 TORRES, J. DI P. The packing of agricultural and livestock products. (In Portuguese.) Lav. e Criação 7(43):38-39. Oct.1952. 49 L392

36625 VINE, W. H. Packaging for transportation. Food [London] 22(257):58-61. Feb.1953. 389.8 F738

36626 WOODCOCK, C. M. Food packaging requirements. Coffee & Tea Indus. 76:59,62. (Cont.) Jan.1953. 389.8 Sp4

PRICES, PRICE CONTROL, AND RATIONING

36627 ASHBY, A. W. Importance of price movements to farmers. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8:3-4. Autumn 1952. 281.9 N842
Great Britain.

36628 BAGGE, F. Farm prices during the year 1952. (In Swedish.) Lantmannen 37:63-66. Jan.17,1953. 11 L234

36629 BAPTIST, G. Le problème de la parité entre les prix agricoles et les prix industriels. Colon. Franç. de Tunisie (ser.7):45(2252):2,4. (Cont.) Dec.13, 1952. 24 C712

36630 BAPTIST, G. Le problème de la parité entre les prix agricoles et les prix industriels. Colon Franç. de Tunisie (ser.7)45(2253):6. (Concl.) Dec.20,1952. 24 C712

36631 BENGOA, J. M. Primera escala de coeficientes de unidades de consumo en Venezuela. Arch. Venezol. de Nutr. 3:193-203. June 1952. 389.8 Ar22
English summary.

36632 BUENO, L. DE F., and LEAL, A. R. Agricultural price indexes in production and marketing. (In Portuguese.) Rev. dos Mercados 3(27):25-27. Nov. 1952. 286.8 R328

36633 CARPENTER, A. W. Republicans and the OPS. East. Feed Merchant 4(2):80-82. Feb.1953. 389.78 Ea7
Includes price supports.

36634 COCHRANE, W. W. A theoretical scaffolding for considering governmental pricing policies in agriculture. J. Farm Econ. 35:1-14. Feb.1953. 280.8 J822

36635 HOLMSTRÖM, S. Agreement on prices of agricultural products in Great Britain. (In Swedish.) Lantmannen 37:87-90. Jan.24,1953. 11 L234

36636 INOUYE, T. On the function of agricultural prices in production. Utsunomiya U. Col. Agr. B. 1:360-371. Mar.1952. 107.6 Ut7B

36637 KALKOFF, W. Preisvergleiche im europäischen raum. Übersicht 3(11):3-10. Nov.1952. 18 Ub3
Agricultural prices.

36638 KANTNER, A. H. Farmers' attention shifts from production to prices. Fed. Reserve Bank Atlanta. Mon. Rev., Jan.31,1953:12-14. 284.8 F31A

36639 LÓPEZ MÉNDEZ, J., and GOYTIA, E. Precios de garantia, sin garantia. Crédito y Téc. Agr. 2(50):3-4. Nov.15,1952. 284.28 C864
Mexico.

36640 SCHENCK, H. E. Radical change a hazard. Hoosier Farmer 38(2):4,6. Feb.1953. 280.82 H76
Prices and controls.

36641 THATCHER, M. W. Twenty epochal years for agriculture. Grain Prod. News 5(6):4. Jan.1953. 286.81 G764
Price policy.

36642 THOMAS, W. P. Lower agricultural prices predicted for 1953. Farm & Home Sci. [Utah Sta.] 13:73, 76,100. Dec.1952. 100 Ut1F

PROCESSING AND STORAGE

36643 THE AMERICAN canned foods industry. (In Italian.) Conserve Aliment. Veg. 7:176-193. Oct.31, 1952. 389.8 C769

36644 BALL, J. M. Areal patterns of a specialized food processing industry. Chicago,1952. 69 p. 389 P213
Thesis - University of Chicago.

36645 BERZAGHI, M. N. Warehousing and storage. (In Portuguese.) Rev. dos Mercados 3(27):28-29. (Cont.) Nov.1952. 286.8 R328

36646 BOUSSE, R. Considérations sur la formation des ingénieurs des industries agricoles et alimentaires. Indus. Agr. et Aliment. 69:843-849. Dec.1952. 383 As7
English summary.

36647 CHARRO ARIAS, A. La colaboración del farmaceútico rural en la fiscalización sanitaria de los géneros alimenticios. An. de Bromatologia 4;167-185. 1952. 389.8 An1
English summary.

36648 CLEMENT, P. La disposition d'ensemble d'un entrepôt frigorifique. Internatl. Cong. Refrig. Proc. 8: 598-600. 1951. 295.9 In82

36649 CLIFCORN, L. E. Production and consumer aspects of low-sodium canned foods. Amer. Dietet. Assoc. J. 29:116-120. Ref. Feb.1953. 389.8 Am34

36650 CONNELL, J. E. Advances in food processing. Chem. Canada 5:52. Jan.1953. 381 C4236

36651 COOK, W. H., and LUSENA, C. V. The mechanism of freezing in food products. Internatl. Cong. Refrig. Proc. 8:357-359. 1951. 295.9 In82

36652 DAVID, C., and ANQUEZ, M. Développement de l'équipement frigorifique français depuis la dernière guerre mondiale. Internatl. Cong. Refrig. Proc. 8:740-743. 1951. 295.9 In82

36653 DAVID, E. L'entrepôt frigorifique régional de Meknès. Terre Marocaine 26:477-482. Dec.1952. 24 T44

36654 DERMINE, P. Les conserves alimentaires domestiques. Rev. d'Oka 26:189-200., Ref. Nov./Dec. 1952. 7 Ok1

36655 DIEMAIR, W. Bosquejo sobre las modernas cuestiones tecnobromatológicas. An. de Bromatologia 4:155-165. 1952. 389.8 An1
English summary.

36656 DOBRONRAVOV, F. N., SOKOLOV, P. V., and PETRIK, B. U. Importance of controlled filtration of juice after press filtration of first purification. (In Russian.) Sakh. Promysh. 26(10):29-33. Oct.1952. 65.8 Sa2

36657 EECKHAUT, R. G. Un nouvel antiseptique, l'acide déhydracétique, et sa recherche dans les denrées alimentaires. Fermentatio 5:123-133. Ref. 1952. 390.8 F38

36658 FISH, S. New food plants reflect industrial growth. Mfr. Rec. 122(2):42-43. Feb.1953. 297.8 M31
Southern States.

36659 FONTANEL, L. Nécessité d'appliquer les méthodes scientifiques à la conservation frigorifique. Internatl. Cong. Refrig. Proc. 8:728-731. 1951. 295.9 In82
Includes discussion.

36660 FONTANEL, L. Refroidissement rapide des denrées périssables en atmosphère saturée. Internatl. Cong. Refrig. Proc. 8:570-575. 1951. 295.9 In82

36661 FREY, C. N. Functional additives in modern food processing. Food Technol. 7(2):70-78. Ref. Feb. 1953. 389.8 F7398

36662 GANE, R. Freeze-drying of foodstuffs. In Institute of Biology. Freezing and drying, p.31-39. New York,Hafner,1952. 295.9 In72

36663 HICKS, T. What refrigeration do you need? Food Engin. 25(2):63,224-225. Feb.1953. 389.8 F737

36664 HILBERT, G. E. Processing trends and the nutritive value of foods. Washington,U. S. Bur. Agr. & Indus. Chem.,1952. 11 p. 1.9321 N2H54
Presented at the National Food and Nutrition Institute, Washington, D. C., Dec. 9, 1952.

36665 HOLTEN, E., and ØRVAD, H. B. Modern cold storage houses. (In Danish.) Kulde 6:13-19. Apr.1952. 295.8 K95

36666 INSTITUTE OF BIOLOGY. Freezing and drying; report of a symposium held in June, 1951. New York Hafner,1952. 205 p. 295.9 In72

36667 INTERNATIONAL CONGRESS OF REFRIGERATION, 8, LONDON, 1951. Proceedings, August 29th to September 11th, 1951. London,1951. 768 p. 295.9 In82

36668 JAMIESON, A. E. Australian canners look ahead. Exports Austral. 7(2):18-19. Aug./Sept.1952. 286.8 Ex75

36669 JORGENSEN, N. Developments in quick freezing in Australia. Internatl. Cong. Refrig. Proc. 8:743-745. 1951. 295.9 In82

36670 JOSLYN, M. A. The action of enzymes in the dried state and in concentrated solution. Internatl. Cong. Refrig. Proc. 8:341-344. 1951. 295.9 In82
Cold storage of food.

36671 KHANNA, M. L. Progress in the field of refrigeration in India. Internatl. Cong. Refrig. Proc. 8:736-739. 1951. 295.9 In82

36672 KLING, W. Quick-frozen food in the United Kingdom. Foreign Agr. 17:19. Jan.1953. 1.9 Ec7For

36673 KONDRUP, M. On the use of cold in food technology in USA. (In Danish.) Kulde 6:25-30,43-46. June-Aug.1952. 295.8 K95

36674 LEROY, R. Les contrôles par courants de très haute-fréquence dans les industries agricoles et alimentaires. Indus. Agr. et Aliment. 69:851-855. Dec.1952. 383 As7
English summary.

36675 MALM, M. Industriell livsmedelskonservering i Sverige [Industrial food preservation in Sweden]. Svenska Inst. f. Konservforsk. P. 66,7 p. 1952. 389.9 Sv2

36676 MARCUSE, R. Nyare rön om konserveringsmedel [Recent experiences with preservatives]. Svenska Inst. f. Konservforsk. P. 57,12 p. 1952. 389.9 Sv2

36677 MOZAMBIQUE. REPARTIÇÃO TÉCNICA DE ESTATÍSTICA. Estatística industrial [Industrial statistics] 1950. Lourenço Marques,1952. 139 p. 270 M874E1
Includes statistics for industries processing agricultural products.

36678 MUNICH. INSTITUT FÜR LEBENSMITTELTECHNOLOGIE. FORSCHUNGSSTELLE DER LEBENSMITTEL- UND DER VERPACKUNGSINDUSTRIE E. V. Tätigkeitsbericht, 1941-1951. München,1952? 32 p. 389.9 M923

36679 NATARAJAN, C. P., and BHATIA, D. S. Progress in food technology—1951. J. Sci. & Indus. Res. 11A: 549-550. Ref. Dec.1952. 475 J82

36680 NUNEZ-SAMPER, M. Los alginatos y su empleo en productos alimenticios. An. de Bromatologia 4:201-204. 1952. 389.8 An1
English summary.

36681 NUNZIO, B. DEL, and TROILO, G. Problèms de la décongélation. Internatl. Cong. Refrig. Proc. 8: 547-548. 1951. 295.9 In82

36682 NYQUIST, R., and HELLER, V. G. Insecticide residue reduction in food processing. Agr. Chem. 8(2):53. Feb.1953. 381 Ag8

36683 PAGE, J. What's happening in the frozen foods case? Super Mkt. Merchandising 18(2):135-136, 138,140,142,144,146. Feb.1953. 389.3 Su7

36684 PAULUS, R. C. Food canning major industry of Pacific Northwest. Oreg. Business Rev. 11(11):1-4. Nov.1952. 280.8 Or34

36685 PROCTOR, B. E., and GOLDBLITH, S. A. A critical evaluation of the literature pertaining to the application of ionizing radiations to the food and pharmaceutical fields. Mass. Inst. Technol. Dept. Food Technol. Tech. Rpt. 1, 156 p. Ref. Jan.1,1952. 389.9 M384

36686 PROCTOR, B. E., and BHATIA, D. S. Mode of action of high-voltage cathode rays on aqueous solutions of amino-acids. Biochem. J. 53:1-3. Ref. Jan.1953. 382 B52
Food technology.

36687 SAUTER, E. Anwendung von UV-strahlen zur schimmelbekämpfung in der lebensmittelwirtschaft. Brot u. Gebäck 6:191-192. Dec.1952. 298.8 G33

36688 SCARLETT, W. J. Automatic instrumentation paves the way for improved process and quality control. Canning Trade 75(30):57-59,80. Feb.9,1953. 286.83 T67

36689 SLATER, L. E. Controls optimize canning. Food Engin. 25(2):85-91,93,95,99. Feb.1953. 389.8 F737

36690 STENSTROM, M. Användning av infraröda strålar inom livsmedelsteknik [Use of infrared rays in food processing]. Svenska Inst. f. Konservforsk. P. 58, 7 p. Ref. 1952. 389.9 Sv2

36691 STEVENS, R. The development of new food products. Food Technol. 7(2):86-90. Feb.1953. 389.8 F7398

36692 TOMIYASU, Y., and ZENITANI, B. Studies on the production of food yeast from seaweed. 2. Methods of preparation of yeast from seaweed. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:479-482. 1952. 385 Ag8
English summary.

36693 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. New ideas in combating food waste, by C. Lewis and W. Maclinn. Washington,Oct.18,1952. 3 p. 1.914 R2R11
Care and handling.

36694 URBAIN, W. M. Facts about cold sterilization. 1. Food Engin. 25(2):45-46,204-208. Feb.1953. 389.8 F737

36695 VASSOGNE, G. Températures usuelles de conservation des denrées en frigorifique. Rev. Prat. du Froid 8(2):40-44. Nov.1952. 295.8 R323

36696 WOOLRICH, W. R. Recent advances in the refrigerating and handling equipment of large commercial cold stores and of locker storage plants in America. Internatl. Cong. Refrig. Proc. 8:595-598. 1951. 295.9 In82

36697 YOUNG, O. C. Some cold storage practices in Canada with particular reference to jacketed holding rooms. Internatl. Cong. Refrig. Proc. 8:601-603. 1951. 295.9 In82

STATISTICS

36698 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. STATISTICS BR. Agricultural statistics report, year 1951. Victoria,1953. 53 p. 7 B77S

36699 CANADA. BUR. OF STATISTICS. Survey of production 1938-1950. Ottawa,1952. 35 p. 253 C332S
Includes agricultural production.

36700 COLOMBIA. DIRECCIÓN NACIONAL DE ESTADÍSTICA. Anuario general de estadística, Colombia—1950. Bogotà,1952. 370 p. 255.5 C712A
Includes agricultural statistics.

36701 GERMANY (FEDERAL REPUBLIC, 1949-). BUNDESMINISTERIUM FUR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Agrarstatistische arbeitsunterlagen über bodenbenutzung, ernten, viehbestände, milcherzeugung, wirtschaftsjahr 1951/52. Bonn,1952. 22 p. 265 G319

36702 GERMANY. (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Bodenbenutzungserhebung 1952; endgültiges ergebnis nach ländern und grösseren verwaltungsbezirken. Germany. Statis. Bundesamt. Statis. Ber. III/2/7,21 p. Dec.6,1952. 265 V58

36703 GERMANY. (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Methodische einführung in die landwirtschaftliche betriebszählung vom 22. Mai 1949. Germany. Statis. Bundesamt. Statis. der Bundesrepub. Deut. 21(1),71 p. Nov.1952. 265 G318

36704 HARVEY, G., and KUZNETS, G. M. Development of some sample surveys. West. Farm Econ. Assoc. Proc. 25:82-86. 1952. 280.9 W527P
Crop and livestock estimates.

36705 HÖNL, V. Die endgültigen ergebnisse der bodenbenutzungserhebung 1952 in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:307-310. Oct.1952. 265 St24

36706 INSTITUTO BRASILEIRO DE GEOGRAFIA E ESTATÍSTICA. Recenseamento geral do Brasil (1. a de setembro de 1940); série regional; censo demográfico: população e habitação; censos econômicos: agricola, industrial, comercial e dos serviços [General census of Brazil (1st of September 1940); regional series; population census: population and dwellings; economic censuses: agricultural, industrial, commercial and services] pt. 14-16, 18-19. Rio de Janeiro,1951. 5 v. 255.3 In7342R
Parts deal respectively with Epirito Santo, Rio de Janeiro, Distrito Federal, Paraná, and Santa Catarina.

36707 JENSEN, H. L. Farm crops 1952. (In Danish.) Dansk Landbr. 72:8-11. Jan.8,1953. 280.28 V91

36708 KOENIG, P. L. Federal-State crop reporting services. Washington,U. S. Bur. Agr. Econ.,1952. 6 p. 1.941 A2K81
Presented at meeting, National Association of Marketing Officials, Biloxi, Miss., Oct. 21, 1952.

36709 DIE LANDWIRTSCHAFT der Bundesrepublik Deutschland. Bad Godesberg,Land- und Hauswirtschaftlicher Auswertungs- und Informationsdienst,1952. 52 p. 33.27 L23
Statistical.

36710 LARSEN, A. R. Highlights of the 1950 agricultural census. West. Farm Econ. Assoc. Proc. 25: 87-90. 1952. 280.9 W527P

36711 LUXEMBURG. OFF. DE LA STATISQUE GÉNÉRALE. Résultats des recensements agricoles du 15 mai 1951 et du 15 mai 1952; les superficies et le cheptel. Luxemburg. Serv. d'Etudes et de Doc. Econ. et Off. de la Statis. Gén. B. 3:247-250. July/Sept.1952. 258 L972B

36712 MALAYA. DEPT. OF STATISTICS. Average prices, declared trade values, exchange and currency, volume and average values of imports and exports, market prices, and cost of living for the year 1951 (Corrected up to 31st December, 1951). Singapore,1952. 38 p. 269.6 St83M

36713 NAKAGAWA, A. T. Statistical mapping of Illinois agriculture, 1925-45. Chicago,1952. 48 p. 281.023 N14
Thesis (M.S.) - University of Chicago.

36714 NORTH DAKOTA. DEPT. OF AGRICULTURE AND LABOR. Agricultural statistics of North Dakota for the period from July 1, 1950 to June 30, 1952. n.p.,1952. 136 p. 2 N812R

36715 NORWAY. STATISTISK SENTRALBYRÅ. Statistisk årbok for Norge 71. årgang, 1952. Statistical yearbook of Norway, 71st issue, 1952. Oslo,1952. 401 p. 257.2 St2S
Preface, table of contents and tables also in English. Includes agriculture.

36716 PANAMA. DIRECCIÓN DE ESTADÍSTICA Y CENSO. Primer censo nacional agropecuario 10 de diciembre de 1950; unidades de medida. Panama. Dept. de Censos. B. Inform. 3,12 p. July 1952. 254 P198

36717 QUEBEC. DEPT. OF TRADE AND COMMERCE. Statistical year book 1951-52. Quebec,1952. 610 p. 253.8 St2
Includes agricultural statistics.

36718 SPAIN. INSTITUTO NACIONAL DE ESTADÍSTICA. Estadística de propietarios de fincas rústicas de España. 2. Provincias vascongadas y Navarra. Madrid,1951. 216 p. 263 In73E

36719 STATE-FEDERAL CROP AND LIVESTOCK REPORTING SERV. Minnesota State farm census 1952. Saint Paul,1952. 6 p. 252.43 St2Ms

36720 SWEDEN. STATISTISKA CENTRALBYRÅN. Statistisk årsbok för Sverige, 1952. Statistical abstract of Sweden No. 39, 1952. Stockholm,1952. 427 p. 257.3 St2Nc
Table of contents and some tables also in English. Includes agriculture.

36721 U. S. BUR. OF THE CENSUS. United States census of agriculture, 1950, v. 1, pt. 3, 17, 19, 23, 33. Washington,1952. 5 v. 157.41 C332
Counties and State economic areas; data for Ohio, Georgia, Kentucky, Arkansas, and California.

36722 U. S. BUR. OF THE CENSUS. United States census of agriculture, 1950, v. 5, pt. 1-3. Washington, 1952. 3 v. 157.41 C332
Pt. 1, The United States, horticultural specialties, 761 p.; Pt. 2, Multiple-unit operations, special reports, 486 p.; Pt. 3, Ranking agricultural counties, special reports, 61 p.

36723 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. World summaries of crop and livestock statistics; schedule of contents and release dates for 1953. Washington,1953. 7 p. 1.943 W896

36724 VALUE of salable agricultural and forest products in 1951. (In Italian.) Sintesi Econ. 4(11):31-40. Nov.1952. 280.8 Si6
Statistics for Italy.

36725 WESTERN FARM LIFE. MARKET RESEARCH DEPT. Agricultural reference book for the Sure-Crop Area. Denver,1952. 24 p. 281.9 W52
Statistics.

36726 WIRTH, H. Die hack-, ölfrucht- und strohernte in Baden-Württemberg. Statis. Monatsh. Wurttemb.-Baden 6:314-315. Oct.1952. 265 St24
Statistics.

36727 ZETTERBERG, O. The result of the inventory of acreage in October 1952. (In Swedish.) Jordbrekon. Meddel. 14:525-528. Dec.1952. 257.3 J76
English summary, p. 492.

BEVERAGES AND CONDIMENTS

36728 ABORN, E. Coffee—force for peace. Coffee & Tea Indus. 76:10,34-35. Jan.1953. 389.8 Sp4

36729 AGUILAR, R. How the Brewing Institute will work. Coffee & Tea Indus. 76:13. Jan.1953. 389.8 Sp4

36730 ALMEIDA, H. DE. Polarographic study of oxygen in port wine. (In Portuguese.) Inst. do Vinho do Porto. An. 1:7-15. 1951. 390.9 Op5A

36731 AMUNATEGUI, F. Les vins de France. Rev. Econ. Franco-Suisse 32:423-427. Dec.1952. 287 Sw6

36732 ASTBURY, A. K. Britian's Brewing Industry Research Foundation. Brewers Digest 28:42-43. Jan. 1953. 390.8 B75

36733 AUDIBERT, M. A la recherche de la liberté! Bouches-du Rhone Agr. 24(1088):3. Dec.15,1952. 14 B662
Grape and wine production.

36734 AZEVEDO, M. P. DE. Conducción del envejecimiento de vino. Vinos, Viñas y Frutas 48: 269-271. (Concl.) Dec.1952. 9 Ag89

36735 BECKER, E., and STELLING, O. Über das eiweiss der kakaobohne. Zucker- u. Süsswaren-Wirt. 5:936-938. Dec.5,1952. 286.86 Z8

36736 BENESCH C. Die alkoholbestimmung im most. Bauer 6(2):11-12. Jan.10,1953. 19 B32

36737 BENESCH, C. Pflege des mostes. Bauer 5 (46):14-15. Dec.27,1952. 19 B32

36738 BERGERET, G. Composición de vinagres de consumo en el Uruguay. Arch. Fitotéc. del Uruguay 5: 41-53. Ref 1952. 102.5 Ur8A
English summary, p. 172-173.

36739 BERGERET, G. Composición de vinagres de consumo en el Uruguay. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(440):12-13. (Concl.) Ref. Nov.6,1952. 9.9 G15B

36740 BERNER, C. Considérations analytiques sur quelques vins genevois et résultats de l'application de quelques règles oenologiques. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:388-413. Ref. 1952. 389.9 Sw6

36741 BRIAND, G. La situation viticole. Paysan Franç. 28(420):28. Dec.1952. 14 P29

36742 BUR. NATIONAL INTERPROFESSIONNEL DU COGNAC. Situation du marché du cognac à la fin de la campagne 1951-1952. Paysan Franç. 28(419):12-14. Nov. 1952. 14 P29

36743 CALCUTTA TEA TRADERS ASSOCIATION. Report for the year from 1st December 1951 to 30th November 1952. Calcutta,1952. 79 p. 286.3689 C12

36744 CARATSCH, A. The beer industry in Piedmont and in Italy. (In Italian.) Cron. Econ. 117:19-21. Sept.1952. 280.8 C882

36745 CARBONELL, R. J., and VILANOVA M., T. Beneficiado rápido y eficiente del café mediante el uso de soda cáustica. Cent. Nac. de Agron. B. Téc. 13,141 p. Ref. Nov.1952. 8 Sa54B

36746 CARBONELL, R. J., and VILANOVA M., T. Nuevo método para beneficiar café. Hacienda 47(12):38-40. Dec.1952. 6 H11

36747 CASA PACHECO, MARQUÉS DE. Impresión personal de la Feria del Vino, de Valdepeñas. Cult. Mod. 35:366. Oct.1952. 15 C89

36748 CASTELLINI, A. This year's wines. (In Italian.) Agr. Tosc. 7:387-388. Nov.1952. 16 Ag827
Quality.

36749 CHASE, W. H. PACB's public relations for coffee. Coffee & Tea Indus. 76:17,65. Jan.1953. 389.8 Sp4

36750 CLARKE, W. T. Dutch process—"invented" 125 years ago—was known to ancient Mayas. Candy Indus. 18(3):7,37. Feb.10,1953. 389.8 C168
Continuation of "Sidelights in the History of Cacao and Chocolate."

36751 CLARKE, W. T. History of cacao & chocolate. I. Candy Indus. 18(2):5,8,27. Jan.27,1953. 389.8 C168

36752 COMPAÑIA SALVADORENA DE CAFÉ, S. A. Memoria de las labores de la institución desde el 1º de octubre de 1951 al 30 de septiembre 1952, decimo ejercicio. San Salvador,1952. 23 p. 68.29 C73M

36753 CORDONNIER, R. Étude de l'élimination du fer des vins blancs par le phytate de calcium. Ann. des Falsif. et des Fraudes 45:415-426. Nov./Dec.1952. 389.8 An72

36754 CORTÉS, I. M. Como podría ser una fábrica de vino. Semana Vitivinic. 7(335/336):24-25. Nov.29/Dec.6, 1952. 95.8 Se5

36755 COSTE, R. Production et commercialisation du cacao dans l'Ouest-Africain Britannique. Agron. Trop. [Nogent-sur-Marne] 7:602-618. Nov./Dec.1952. 26 Ag86

36756 DALMASSO G. A conference that failed? In search of a drink with a wine base. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)449-450. Nov.1952. 16 C72

36757 DALMASSO, G. The Freiburg viticultural and wine exposition. (In Italian.) Cron. Econ. 117:31-35. Sept.1952. 280.8 C882

36758 DE BRUYN, G. Organise a wine tasting! Wine & Spirit 22:13. Jan.1953. 390.8 W725

36759 DECASTRO, V. Secadoras (bombos) que hay en Puerto Rico y capacidad normal para el secado de café. Rev. del Café 8(5):9. Dec.1952. 8 R3295

36760 DEIBNER, L., and BENARD, P. Nouveau procédé d'alcoolisation des vins spéciaux par diffusion graduelle des vapeurs alcooliques. Indus. Agr. et Aliment. 69:881-886. Ref. Dec.1952. 383 As7
English summary.

36761 DE TAGLE, L. L. Hershey, the town that chocolate built. Américas 5(2):12-15,39. Feb.1953. 150.9 Am34

36762 DEVONSHIRE, C. R. Some notes on the new crop. Coffee Bd. Kenya. Mon. B. 17:231. Oct.1952. 68.29 C652
Quality.

36763 DOUARCHE, L. Die wein-weltkrise. Deut. Weinbau 7:663-664. Dec.20,1952. 390.8 W432

36764 DUGERDIL, M. Le problème du vin. J. d'Agr. Suisse 74(44):1-2; (45):2. Nov.1-8,1952. 17 J82

36765 ENGELHARDT, W. Der badische weinbau im vergangenen jahrhundert. Bad. Landwirt. Wchnbl. 120: 17-18. Jan.3,1953. 18 B142

36766 FELIU, L. Prensado de la uva. Semana Vitivinic. 7(328):6-7. Oct.11,1952. 95.8 Se5

36767 FILIPINI, A. La actualidad vitivinícola. Vinos Viñas y Frutas 48:229-230. Nov.1952. 9 Ag89
Argentina.

36768 FONSECA, A. B. M. DA. As demarcações pombalinas no douro vinhateiro [The Pombaline boundaries in wine-producing Douro]-III. Inst. do Vinho do Porto. An. 2,345 p. 1951. 390.9 Op5A

36769 FORSCHUNGS-INSTITUT FUR KAKAOWIRTSCHAFT. Jahresbericht, 1951. Hamburg,1952. 32 p. 68.39 H17

36770 FOUILLAND, G. Vignerons, c'est le moment de soigner vos vins. Réveil Agr. 62(2642):1-2. Jan.1, 1953. 14 R322

36771 GABEL, W. Couleur et blanchiment du cacao. Rev. Internatl. de la Choc. 7:362-365. Dec.1952. 68.38 R32

36772 GARINO-CANINA, E. Situation in the wine industry. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98: 452-453. Nov.1952. 16 C72

36773 GAZZARI, A. The Dalmatian cherry liqueur. (In Serbo-Croatian.) Biljna Proizvodnja 4:271-275. Nov./Dec.1951. 64.8 B49
Italian summary.

36774 GLEISS, A. Selbstverwaltung in der amerikanischen brauwirtschaft. Brauwelt 49:1197-1199. Dec. 4,1952. 390.8 B732

36775 GOONETILLEKE, SIR. O. Tea quality—and Ceylon trends. Coffee & Tea Indus. 76:52. Jan.1953. 389.8 Sp4

36776 GOT, N. La degustación de los vinos. III. Arte de la degustacion. Vinos Viñas y Frutas 48:236-238. Nov.1952. 9 Ag89

36777 HADORN, H., and JUNGKUNZ, R. Contribution à la détermination de la graisse totale, graisse de lait et de coco dans les produits de chocolat. Rev. Internatl. de la Choc. 7:289-292,294-301. Oct.1952. 68.38 R32
French and German in parallel columns.

36778 HARTONG, B. D. Organization of brewing research in western Europe. Amer. Brewer 86:45-46, 48. Jan.1953. 390.8 Am3

36779 HASHIZUME, T. Studies on the amino acids in tea. 3. Amino acids in Gyokuro. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:508-512. 1952. 385 Ag8
English summary.

36780 HOFMANN, F. M. Weinwerbung mit aktuellen methoden. Österr. Weinztg. 7:149-150. Dec.10,1952. 390.8 Os7

36781 HROMATKA, O. Über die submerse essiggärung. Chem.-Ztg. 76:815-817. (Concl.) Dec.5,1952. 384 C427

36782 HUCHON. La vigne et le vin à vitteaux au cours des siecles. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-Vie. B. 43:11-12. Oct. 1952. 390.9 F843

36783 HUGENBUSCH, F. Okadierte kakaobohnen. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:21. 1952. 68.39 H17

36784 INTERNATIONAL TEA COMMITTEE. Supplement to Bulletin of Statistics (June 1952). London, 1952. 8 p. 68.19 In8

36785 KADEN, O. F. Klassifikation von kakaosamen und rohkakao durch lichtelektrische bestimmung ihres anthocyanin-gehaltes. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:27-29. 1952. 68.39 H17

36786 KADEN, O. F. Postfermentation kranker und violetter kakaobohnen. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:19-20. 1952. 68.39 H17

36787 KADEN, O. F. Über eine neue methode zum feststellen von "stinkern" im rohkakao mittels hochfrequenz. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951: 29-30. 1952. 68.39 H17

36788 KADEN, O. F. Veredeln von kakaobohnen durch hydrolyse. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:23-26. 1952. 68.39 H17

36789 KLEINERT, J. The determination of the melting-point in cocoabutter and hard-fats (foodfats). Rev. Internatl. de la Choc. 7:302-305. Oct.1952. 68.38 R32
Text in German and English.

36790 KOCH, J. Cocoa nib grinding. Rev. Internatl. de la Choc. 7:306-308. Oct.1952. 68.38 R32

36791 LANDRY, C. F. Les vins suisses. Rev. Econ. Franco-Suisse 32:428-429. Dec.1952. 287 Sw6

36792 LIMA, U. DE A. Notes on brandy distilleries. (In Portuguese.) Rev. de Agr. [Piracicaba]27:365-372. Nov./Dec.1952. 9.2 R324

36793 LINDSAY, C. G. Coffee promotion target for 1953. Coffee & Tea Indus. 76:14-15. Jan.1953. 389.8 Sp4

36794 MCMASTER, P. G., and SOLLY, N. R. Coffee and its economics in Kenya. VIII-XI. Coffee Bd. Kenya Mon. B. 17:185,206-209,232-233. Aug.-Oct.1952. 68.29 C652

36795 MAREK, E. Die individuelle behandlung des jahrganges 1952. Landwirtschaft 1/2:14-15. Jan.1953. 19 L235
Wine manufacture in Austria.

36796 MARION, M Le vignoble et les vins du chapitre collegial de Notre-Dame de Beaune avant la révolution. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-Vie. B. 43:13-17. Oct.1952. 390.9 F843

36797 MAS SOLANES, R. DE. Filtraciones y clarificaciones. Cult. Mod. 35:409. Nov.1952. 15 C89
Wine.

36798 MASSAGUES, J. M. La productividad cíclica vinícola. Cult. Mod. 35:415-416. Nov.1952. 15 C89
Includes costs in Spain.

36799 MASTER BREWERS ASSOCIATION OF AMERICA. Condensations of papers delivered at the 45th annual convention. II. Amer. Brewer 86:50-52,67. Jan. 1953. 390.8 Am3

36800 MATAGRIN, A. Tartrates et acide tartrique à partir des résidus de distillation et à partir des lies de vin. Terre d'Oc 34:555-558. Dec.1952. 14 Ar5

36801 MAYER-OBERPLAN, M. Die zentrifuge in der kellerwirtschaft. Österr. Weinztg. 7:155-156. Dec. 25,1952. 390.8 Os7

36802 MECCA, F. A method for the biochemical determination of certain antifermentative substances added to wine. (In Italian.) Chim. e l'Indus. 34:568-570. Oct.1952. 385 G43
English summary.

36803 MENSIO, C. Determination of alcohol in wines. (In Italian.) Colt. e Gior. Vinic. Ital. 98:487-489. Dec. 1952. 16 C72

36804 MENSIO, C. 1952 wines. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:442-443. Nov.1952. 16 C72

36805 MESTRE ARTIGAS, C. Algunas de las ventajas económicas de las vinerias. Agricultura [Madrid] 21: 601-605. Nov.1952. 15 Ag84

36806 MONZINI, A. The correction of musts. (In Italian.) Humus 8(10):33-34. Oct.1952. 16 H88
In wine manufacture.

36807 MOREIRA, J. A. Publicity for Madeira wines. (In Portuguese.) Frutas da Madeira 12:280-281. Nov. 1952. 286.83 F9422

36808 MORELL, M. Un nuevo método de lavar café y algunos comentarios sobre el secado. Rev. del Café 8(4):11-12. Nov.1952. 8 R3295

36809 NATHANAEL, W. R. N. The history of vinegar production and the use of coconut toddy as a raw material Ceylon Coconut Q. 3:83-87. Apr./June 1952. 77.8 C33

36810 NATIONAL COFFEE ASSOCIATION. Convention highlights. Coffee & Tea Indus. 76:9-24,29-30, 32-35,46,65,69. Jan.1953. 389.8 Sp4

36811 NEUWALD, F. Die verwendung der kakaobutter in der pharmazie. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:17-18. 1952. 68.39 H17

36812 NEWTON, G. K. Tea factory techniques—and quality. Coffee & Tea Indus. 76:53-54. Jan.1953. 389.8 Sp4

36813 OFF. INTERNATIONAL DU VIN. XXXIIe session officielle plénière du comité de l'O. I. V. (Fribourg, 19-23 août 1952) [rapports et exposés]. Off. Internatl. du Vin. B. 26(263):16-25. (Cont.) Jan.1953. 390.8 B87

36814 PEYNAUD, E., and LAFOURCADE, S. Las condiciones del empleo del anhidrido sulfuroso en los vinos generosos. Vinos, Viñas y Frutas 48:273. Dec.1952. 9 Ag89

36815 POLAK, E. B. Trends in pepper. Coffee & Tea Indus. 76(2):55-56. Feb.1953. 389.8 Sp4

36816 PRILLINGER, F. Wesen und messung des redoxpotentials. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2:245-248. Nov.1952. 105.9 K696
English summary.
In wine.

36817 RELLOP, J. Die schnellreifung von weinbrand und weinbrand-verschnitt und das weingesetz. Branntweinwirtschaft 74:437-438. Dec.10,1952. 390.8 B7322
Germany.

36818 ROBERTS, E. A. H., and WOOD, D. J. Separation of tea polyphenols on paper chromatograms. Biochem. J. 53:332-336. Jan.1953. 382 B52

36819 ROBINSON, J. L. What's new in coffee processing? Coffee & Tea Indus. 76:19,32-33, 65. Jan. 1953. 389.8 Sp4

36820 RÖDER. Eindrücke aus Frankreich, Spanien und Portugal. Deut. Weinbau 7:667-669. Dec.20,1952. 390.8 W432

36821 RODRÍGUEZ RODRÍGUEZ, J. Un subproducto de las destilerias de alcohol: las materias tartáricas. Semana Vitivinic. 7(335/336):73-74. Nov.29/Dec.6,1952. 95.8 Se5

36822 SAINCLIVIER, M. Essai sur la pathologie des industries agricoles. France. Min. de l'Agr. B. Tech. d'Inform. 75:795-803. Ref. Dec.1952. 14 F844B
In the wine and brewing industry.

36823 SALA ROCA, E. Regulación de la campaña vinicola-alcoholera 1952-53. Inst. Agr. Catalán de San Isidro. Rev. 101:271-274. Nov.1952. 15 Sa5
Followed by text of the regulation, p.274-276.

36824 SALA ROCA, E. La viticultura y la hacienda pública. Cult. Mod. 35:368. Oct.1952. 15 C89
Adulteration of wine in Spain and its repercussions upon the taxpayer.

36825 SALLER, W. Die gekühlte gärung. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 2: 223-239. Nov.1952. 105.9 K696
English summary.
Wine manufacture.

36826 SANCHO DE V., and VALLEJO, O. DE. Como se elabora el vino de Jerez en Jerez. Mundo Agr. 4(42): 37-39. Nov.1952. 9 M92

36827 SCHANDERL, H. La influencia del enyesado sobre la fermentacion de los mostos de uva. Microbiol. Espan. 5:17-27. Jan./June 1952. 448.3 M583

36828 SCHANDERL, H. Wissenschaftliche mikrobiologie und weinkellerpraxis. Deut. Weinbau 8:11-12. Jan.5,1953. 390.8 W432

36829 SCHAUB, F. Der rohstoffverbrauch zur branntweinerzeugung im Bundesgebiet von 1935/36 bis 1940/41. Branntweinwirtschaft 74:385,402-403,431. Nov. 10-25,Dec.10,1952. 390.8 B7322

36830 SCHULZ, B. Packstoffe in der schokoladen- und süsswaren-industrie. Rev. Internatl. de la Choc. 7: 365-366. Dec.1952. 68.38 R32

36831 SEZE, R. DE. Stabilisation et concentration des vins par le froid. Internatl. Cong. Refrig. Proc. 8: 591-594. 1951. 295.9 In82

36832 SILVA, L. D. Revival of coffee culture in the State of São Paulo. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):56-58. Nov.1952. 9.2 B733
The industry.

36833 SPEIGHT, W. L. South African wines in other days. Wine & Spirit 22:7. Jan.1953. 390.8 W725

36834 STEPHAN, F. Kellerwirtschaftskurse. Bauer 5(45):11. Dec.20,1952. 19 B32
Austria.

36835 STRADELLI, A. Applications du froid en oenologie. Internatl. Cong. Refrig. Proc. 8:587-591. 1951. 295.9 In82

36836 STREULI, H., and STESEL, M. Uber das klären bei zuckerbestimmungen in schokolade. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:417-444. Ref. 1952. 389.9 Sw6

36837 STREULI, H. Das volumen des unlöslichen bei zuckerbestimmungen. Rev. Internatl. de la Choc. 7:337-338. Nov.1952. 68.38 R32
English summary.
In chocolate.

36838 TANNER, H. Wie gross muss der wasserzusatz sein, um den bei der destillation anfallenden branntwein auf die gewünschte trinkstärke zu bringen? Schweiz. Z. f. Obst- u. Weinbau 62:32-33. Jan.24,1953. 80 Sch9

36839 TORRES, A. Coffee recovery. (In Portuguese) Lavoura 56:28-29. Sept./Oct.1952. 9.2 L39
The industry in Brazil.

36840 VAN REENEN, C. F. Practical control of bacterial diseases in wine. (In Afrikaans.) Wynboer 21 (255):11. Dec.1952. 390.8 W724

36841 VEIGA, A. DE A. Drinks made with apples. (In Portuguese.) Soc. Rur. Bras. Rev. 32(383):30. Dec. 1952. 9.2 B733
Cider and wine.

36842 VERMEULEN. Nouvelles realisations dans le domaine de l'elimination bacterienne. Rev. des Ferment. et des Indus. Aliment. 7:169-171. (Cont.) Oct. 1952. 390.08 R32
Beverages.

36843 VERONA, O. Azione sui lieviti e, in particolare, sui lieviti della fermentazione vinaria, delle vitamine K_3 e K_5 [Effect on yeasts, particularly those in wine fermentation, of vitamin K_3 and K_5]. Pisa. U. Osserv. Region. di Fitopatol. [Mem.] 280,15 p. Ref. 1952. 464.9 P67
From the Atti dell'Accademia Italiana della Vite e del Vino.

36844 VILSTRUP, V. Index für kakaobohnen. Forsch. Inst. f. Kakaowirt. Jahresber. 1951:17. 1952. 68.39 H17

36845 VOGEL, E. H. Flavor in beer. Hopper 9(8): 5-7. Nov.1952. 70.8 H77

36846 WALLERSTEIN, L., SALETAN, L. T., and GRAY, P. P. A review of progress in brewing science and technology. Wallerstein Lab. Commun. 15:293-311. Ref. Dec.1952. 390.9 W15

36847 WANNER, E. Um den deutschen wein. Uebersicht 3(11):45-47. Nov.1952. 18 Ub3

36848 WIJNOOGST, H. C. J. Die ersten praktischen erfahrungen mit okadiertem kakao. Forsch.-Inst. f. Kakaowirt. Jahresber. 1951:21. 1952. 68.39 H17

36849 WILSON, T. C. The Coffee Brewing Institute is born. Coffee & Tea Indus. 76:12-13,43-44. Jan.1953. 389.8 Sp4

36850 WOODCOCK, C. M. Food packaging requirements. Coffee & Tea Indus. 76(2):51-52. Feb.1953. 389.8 Sp4
Coffee and other products.

36851 ZAPROMETOV, M. N. Comparative study of tea tannin composition by the chromatographic method. (In Russian.) Akad. Nauk SSSR. Dok. 87:649-652. Ref. Dec.1,1952. 511 P444A

DAIRY PRODUCTS

36852 ALEXANDER, W. H. Factors affecting the expansion of the Louisiana dairy industry. La. Rur. Econ. 15:3,6-7. Feb.1953. 281.8 L93

36853 ANGEVINE, N. C. The manufacture of quality cottage cheese in 1953. Milk Plant Mon. 42(2): 32-34,36-37,40-42. Feb.1953. 44.8 C864

36854 BALEZIN, P. S. Problems in increasing milk production and improving the quality of milk on collective farms. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:8-17. 1950,pub.1951. 44.9 V962

36855 BELISLE, L. A. Secrets du progres de l'industrie laitière. Québec Lait. 11(11):20-21,24-25. Nov.1952. 44.8 Q3

36856 BENTERUD, T. The dairy industry in 1952. (In Norwegian.) Meieriposten 42:1-10. Jan.3,1953. 44.8 M47

36857 BERZIN', V. N. On the specialization of student zootechnicians in dairying. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:350-356. 1950,pub.1951. 44.9 V962

36858 BLAKE, R. W. The dairy industry in New Zealand. Overseas Rpt. Agr. Devlpmt. 1,9 p. Jan.1953. 281.9 C16420

36859 BOSCH, J. The history of butter. (In Dutch.) Drents Landbbl. 33(50):7. Dec.20,1952. 12 D812

36860 CAMPBELL, B. J. How to develop competent auditors. Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:55-57. 1952. 280.3449 N212

36861 CARPENTER, P. Litigation and legislation in the United States. Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:144-162. 1952. 280.3449 N212
Includes discussion.

36862 CATTANEO, G. Panorama of the Brazilian cheese industry. (In Italian.) Sci. e Tec. Latt. Casearia 2(4/6):11-13. July/Oct.1952. 44.8 Sci2

36863 CHAVEZ, D. J. Phoenix dairying marks time. West. Dairy J. 9(2):37-39. Dec.1,1952. 44.8 W524

36864 CHERRY, R. W. The use of milk standards in milk auditing. Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:57-63. 1952. 280.3449 N212

36865 COLLISSON, C. F. Wealth Belt farmers retain supremacy as nation's top dairy producers. Com. West 105(7):23-24. Feb.14,1953. 286.8 C733

36866 COOPER, T. B. Y a-t-il une solution à l'industrie laitière? Québec Lait. 11(12):14-18. Dec. 1952. 44.8 Q3

36867 CRAGOE, N. Milk in Iceland. Milk Indus. 33(7):74-76. Jan.1953. 44.8 M593
The dairy industry.

36868 DARLING, R. J., HAWLEY, H., and CUNNINGHAM, L. C. Is it time to spend more to make more? Successful Farming 51(2):46-47,124-126. Feb.1953. 6 Su12
The future of the dairy industry and investment trends in dairying.

36869 DAVIDOV, R. B. On further improvement of training of cadres for dairying at the zootechnical colleges and faculties. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:344-347. 1950,pub.1951. 44.9 V962

36870 DEMETER, K. J. Der appenzeller käse. Deut. Molk.-Ztg. 73:1620-1622. Dec.19,1952. 44.8 Su2

36871 DILANIAN, Z. KH. On training zootechnicians-milk technicians. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:348-350. 1950,pub.1951. 44.9 V962

36872 DOERR, A. H. A comparison between dairying in southeastern Wisconsin-northeastern Illinois and southwestern Puerto Rico. Sowest. Social Sci. Q. 33: 247-254. Dec.1952. 280.8 So82

36873 EAGLES, B. Solids-not-fat and butterfat. Butter-fat 30(11):12-13,15. Feb.1953. 44.8 B98

36874 FEDIAI, E. I. Extent and methods of teaching a course in dairying at the zootechnical technical schools. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:397-400. 1950,pub.1951. 44.9 V962

36875 FOREST, H. L. The situation as viewed by dairy section. Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:128-134. 1952. 280.3449 N212

36876 FRAHM, J. Milchwirtschaftliche studien in Schweden. Deut. Molk.-Ztg. 73:1624-1626. Dec.19, 1952. 44.8 Su2

36877 FRANDSEN, J. H. The future of soft products. (Extr.) South. Dairy Prod. J. 53(2):124-126,132. Feb. 1953. 44 8 So83

36878 FREDERIKSEN, L. P. The dairy industry 1952. (In Danish.) Andelsbladet 54:10-11. Jan.1,1953. 280.28 An2

36879 FRENSEL, O. Milk and its products in the agricultural production campaign. (In Portuguese.) B. do Leite (ser.4)6(65):21-22,28. Nov.1952. 44.8 B633
Brazil.

36880 FRENSEL, O. Realistic appraisals. (In Portuguese.) B. do Leite (ser.4)6(65):3-4. Nov.1952. 44.8 B633
Brazilian dairy industry.

36881 FRENSEL, O. Twenty-five years! (In Portuguese.) B. do Leite (ser.4)6(65):1-2. Nov.1952. 44.8 B633
Anniversary of the Boletim do Leite.

36882 GOODWILLIE, D. B. See little change in dairy industry. Ontario Milk Prod. 28:198,207. Jan.1953. 44.8 On8

36883 HARMSEN, L. On milk in Indonesia. (In Dutch.) Hemera Zoa 59:473-524. Ref. Sept./Oct.1952. 41.8 V51
English summary.

36884 HARRINGTON, A. H. Results of marketing research studies: the dairy balance of the Pacific Slope. West. Farm Econ. Assoc. Proc. 25:28-31. 1952. 280.9 W527P

36885 HARTL, H. Die milchwirtschaft Spaniens. Österr. Milchwirt. 7:356-358. Dec.21,1952. 44.8 Os72

36886 HAURY, G. La variété infinie de la gamme des fromages français. Rev. Econ. Franco-Suisse 32: 435-438. Dec.1952. 287 Sw6
Contains a list of the principal cheeses of France.

36887 HENNERICH, G. W. You can't look ahead without looking back. South. Dairy Prod. J. 53(2):60-63. Feb.1953. 44.8 So83
Ice cream.

36888 HERMANN, H. Der Verband der Deutschen Milchwirtschaft in seinem ersten lebensjahr. Molk.-Ztg. 6:2238-2240. Dec.25,1952. 44.8 M735

36889 HOLAND, T. With colleagues in Denmark. III. (In Norwegian.) Meieriposten 41:939-943. Dec.20,1952. 44.8 M47
Chiefly on the dairy industry in Denmark.

36890 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. The literature of ice cream for 1949 and 1950. Internatl. Assoc. Ice Cream Mfr. Spec. B. 83,78 p. Nov.1952. 389.9 In83S

36891 KARSNITSKAIA, M. S. Program and methods of teaching dairying at the faculties of agronomical departments. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:362-366. 1950,pub.1951. 44.9 V962

36892 KHERASKOV, S. G. Method of teaching dairying at Chkalov Agricultural Institute. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:390-394. 1950,pub.1951. 44.9 V962

36893 KLUTH, H. Caseus armentalis, Cheddar und Samt. Orion 7:914-917. Nov.1952. 474 Or4

36894 KOLATA, W. Dem milchhandel ins gesicht geschlagen! Deut. Milchhandels-Ztg. 74:668. Nov.20, 1952. 44.8 D48

36895 KORIAZHNOV, V. P. Program and methods of teaching dairying at the veterinary colleges. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:357-362. 1950,pub.1951. 44.9 V962

36896 KOSTYGOV, V. V. Prospects for the development of the dairy industry and problems of the workers in the animal industry. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:18-25. 1950,pub.1951. 44.9 V962

36897 KRASHENININ, P. F. Method of planning the course in dairying at Omsk Agricultural Institute. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:377-389. 1950,pub.1951. 44.9 V962

36898 KRIEDEMANN, H. Zum butterproblem. Verbraucher 6:591-593. Nov.29,1952. 280.28 K833
Germany.

36899 KUGENEV, P. V. School and industrial practice in dairying at the zootechnical colleges. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:366-373. 1950,pub.1951. 44.9 V962

36900 KUTISH, L. J. Consolidation of the dairy industry in Wisconsin. J. Farm Econ. 35:129-135. Feb. 1953. 280.8 J822

36901 LEROY, A. Production et transformation laitières d'Andalousie en Catalogne. Indus. Lait. (n.s.) 74:260-263. Nov.1952. 44.8 In2

36902 LUDEMANN. Die novelle zum milch- und fettgesetz. Molk.-Ztg. 7:11-14. Jan.8,1953. 44.8 M735
Germany.

36903 MCCALLUM, H. A. Aust. dairy industry now has chance to forge anead. Land [Sydney] 2179:74,77. Oct.8,1952. 23 L22

36904 MCMILLAN, G. Canada's dairy industry—1952. Butter-fat 30(11):6,8-9. Feb.1953. 44.8 B98

36905 MCMILLAN, G. Has butter a future? Macdonald Farm J. 13(4):2-4. Dec.1952. 101 M144
The situation in Canada.

36906 MAHN, H. Probleme an der jahreswende. Milch-Fettwaren-Eierhandel 4:633. Dec.31,1952. 286.85 M59
Germany.

36907 MAYER, T. Das ergänzungsgesetz zum milch- und fettgesetz. Deut. Molk.-Ztg. 74:1-5. Jan.2, 1953. 44.8 Su2

36908 MEJERIBRUGETS lommebog [Pocket book of the dairy industry] 1953. Odense,1953. 255 p. 44.8 M473

36909 MOORE, H. C. Flavor of milk. Ayrshire Digest 39:9,12. Jan.15,1953. 43.8 Ay7

36910 MORK, R. Rating of the operational results in co-operative dairies. (In Norwegian.) Lantbrakad. Tidskr. 91:467-481. 1952. 104 Sw3
English summary.

36911 MÜLLER, R. Die aussichten der butter in der welt. Agrarwirtschaft 1:336-341. Dec.1952. 281.8 Ag826

36912 NAMEJUNAS, A. L. Growth of a dairy State; a profile of Wisconsin agriculture. Wis. Agr. Col. Ext. C. 429,11 p. Aug.1952. 275.29 W75C

36913 NEW SOUTH WALES. DAIRY PRODUCTS BOARD. Report for the year ended 30th June, 1952. Sydney,1952. 4 p. 281.3449 N47

36914 NUCLO, E. Accounting on volume or on fat basis. Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:63-71. 1952. 280.3449 N212

36915 O'DONOVAN, J. The dairying industry. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:108-109. 1951/52. 10.5 An7
Ireland.

36916 PFAUTZ, J. S. Relationship of auditing to milk pricing. Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:71-85. 1952. 280.3449 N212
Includes discussion.

36917 REID, W. H. E. Missouri dairy products exhibit. Amer. Dairy Prod. Mfg. Rev. 15:28-29. Jan.1953. 44.8 Am37

36918 RIBEIRO, J. A. Production and consumption of milk and dairy products. (In Portuguese.) Gado Holandês 16(191):22-23. Nov.1952. 43.8 G112
Brazil.

36919 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 73:1560. (Cont.) Dec.5,1952. 44.8 Su2

36920 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 73:1632. (Cont.) Dec.19,1952. 44.8 Su2
Germany.

36921 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 74:12. (Cont.) Jan.2,1953. 44.8 Su2

36922 ROGICK, F. A. Minas cheese. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):26. Nov.1952. 9.2 B733

36923 ROSSI, R. P. Further considerations on the Turin Milk Central. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)98:460-461. Nov.1952. 16 C72

36924 ROUSSEAU, M. J. A la recherche d'un itinéraire 1953. Tech. Lait. 9(120):7-9. Jan.1,1953. 44.8 Of2
France.

36925 ROWE, G. A. Economics of cheese manufacturing in Tillamook County, Oregon. Oreg. Agr. Expt. Sta. B. 529,31 p. Dec.1952. 100 Or3

36926 ROY, L. Capitulation ou readaptation de l'industrie laitière au sein de l'économie canadienne. Québec Lait. 11(11):14-18. Nov.1952. 44.8 Q3

36927 SCHOPP, M. D. A butter business. Cent. Mfg. Dist. Mag. 36(12):11-17. Dec.1952. 297.8 C33

36928 SEKHAR, C. V. C. Some problems of our dairy industry. Indian Dairyman 4:83-85. Nov.1952. 44.8 In282

36929 SHKURPELO, I. S. Extent and methods of teaching a course in dairying at the zootechnical technical schools. (In Russian.) Vsesoĭùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:394-396. 1950,pub.1951. 44.9 V962

36930 SHUBIN, M. E. Projects of the course in dairying at the zootechnical faculties. (In Russian.) Vsesoĭùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:373-377. 1950,pub.1951. 44.9 V962

36931 SIMONOV, I. N. Training cadres for dairying at agricultural, zootechnical and veterinary colleges and faculties. (In Russian.) Vsesoĭùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:25-34. 1950,pub.1951. 44.9 V962

36932 STURM. Die investitionshilfe der gewerblichen wirtschaft dargestellt an 4 beispielen aus der milchhändlerpraxis. Deut. Milchhandels-Ztg. 74:82-84. Feb.7,1952. 44.8 D48

36933 TACKE. Wie liegen sie? Ausbau der buchführung und der betriebswirtschaftlichen aufzeichnungen. Deut. Milchhandels-Ztg. 74:655-656. Nov.13,1952. 44.8 D48

36934 UNION OF SOUTH AFRICA. DAIRY INDUSTRY CONTROL BOARD. Annual report for the year ended 30th September, 1951. Pretoria,1952. 61 p. 281.3449 So8

36935 VÖLZ, W. Prüfung und entscheidung; der hamburger milchhandel an der jahreswende. Deut. Milchhandels-Ztg. 74:713-714. Dec.22,1952. 44.8 D48

36936 VSESOĬÙZNAÍA KONFERENTSIÍA PO MOLOCHNOMU DELU, 2, MOSCOW, 1950. Sbornik dokladov [Collection of reports of the second All-Union Conference on Dairying], edited by R. B. Davidov. Moskva, Gos. Izd-vo Selkhoz Lit-ry,1951. 407 p. 44.9 V962

36937 WALKER, S. A. Costs and efficiency of dairy processing plants. West. Farm Econ. Assoc. Proc. 25: 32-35. 1952. 280.9 W527P

36938 WARDER, E. M. The National Association of Retail Ice Cream Manufacturers. Cherry-Burrell Circle 37(11/12):9-10. Nov./Dec.1952. 44.8 C42

36939 WHEELER, L. S. Costings and the milk industry, III. Milk Indus. 33(7):53-57. Jan.1953. 44.8 M593

36940 WITHEY, S. H. Depreciation and maintenance of dairy plant. I. Dairyman 70:17-19. Jan.1953. 44.8 D1426

36941 YORK, J. C. Dairy farming outlook in 1953? East. Milk Prod. 30:5. Jan.1953. 280.28 Sh3

36942 ZEUG, E. Als deutscher molkereifachmann im Iran. Molk.- u. Käserei-Ztg. 3:1613-1614. Dec.23, 1952. 44.8 M736

Analysis and Composition

36943 BROSIG, P. Zur problematik der prüfung von auslagerungsbutter. Deut. Molk.-Ztg. 74(2):inside front cover. Jan.9,1953. 44.8 Su2

36944 CHRISTOPHERSEN, J., and THIELE, H. Über den einfluss von substrat und temperatur auf die proteolytische aktivität einiger käsebakterien. Kieler Milchwirt. Forschber. 4:683-700. Ref. 1952. 44.9 K542
English summary.

36945 COOK, G. T., and HUGHES, K. E. A. Filter papers and the phosphatase test. Dairy Indus. 18:43-45. Jan.1953. 44.8 D1427

36946 DIANDERAS LUNA, S. Algunas consideraciones sobre las cremas de la leche. Agronomía [Lima] 17(72):147-151. Oct./Dec.1952. 9.8 Ag83
Properties and analysis.

36947 DILANÍAN, Z. KH., and GABRIÉLIAN, T. M. Physico-chemical properties of milk and their importance in cheese making. (In Russian.) Vsesoĭùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:312-320. 1950,pub.1951. 44.9 V962

36948 FAYANSOFF, and VIDAL. Test d'aptitude à la conservation frigorifique des beurres: "indice de catalase." Internatl. Cong. Refrig. Proc. 8:535-538. Ref. 1951. 295.9 In82

36949 FRICKER, A. Die eiweissstoffe der milch. Molk.-Ztg. 6:2235-2237. Dec.25,1952. 44.8 M735

36950 GOGAS, W., and BICKNELL, A. K. The determination of penicillin in milk. Milk Plant Mon. 42 (2):26. Feb.1953. 44.8 C864

36951 GOSS, E. F. Techniques of dairy plant testing. Ames,Iowa State Col. Press,1953. 350 p. Ref. 44 G69

36952 HÄNNI, H. Eine allgemein anwendbare methode zur bestimmung von kupfer und eisen in milch und milchprodukten. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:357-369. 1952. 389.9 Sw6

36953 HAYN, W. La question des variations de teneur en matière grasse. Tech. Lait. 9(120):19-21. Jan.1,1953. 44.8 Of2

36954 HEIDE, R. VON DER. Wissenschaftliche grundlagen der pH-messung. Deut. Molk.-Ztg. 73(49): inside front cover. Dec.5,1952. 44.8 Su2
In cheese.

36955 JOHNS, C. K., and DESMARAIS, J. G. The effect of residual penicillin in milk on the dye reduction tests for quality. Canad. J. Agr. Sci. 33:91-97. Jan./Feb. 1953. 7 Sci2

36956 KING N. Die schlagsahne, ihre eigenschaften und herstellung. Molk.-Ztg. 6:2233-2235. (Cont.) Dec. 25,1952. 44.8 M735

36957 KING, N. Die schlagsahne, ihre eigenschaften und herstellung. Molk.-Ztg. 7:5-7. (Cont.) Ref. Jan. 8,1953. 44.8 M735

36958 KORKMAN, N. The fat content of milk and the breeding work. (In Swedish.) Ladugården 1:4-5. Jan. 1953. 44.8 L12
Chiefly on fat contents and prices.

36959 KORN, G. Betriebsverhältnisse bestimmen die durchführungsweise der anlieferungs-reduktaseprobe. Molk.- u. Käserei-Ztg. 3:1575. Dec.18,1952. 44.8 M736

36960 KOSOBRÎUKHOV, A. N. Mineral content in Troĭtskiĭ kumiss. (In Russian.) Vsesoîûzn. Konf. po Moloch. Delu. Sborn. Dok. 2:337-340. 1950,pub.1951. 44.9 V962

36961 KUGENEV, P. V. Methionine content in milk. (In Russian.) Vsesoîûzn. Konf. po Moloch. Delu. Sborn. Dok. 2:273-276. 1950,pub.1951. 44.9 V962

36962 LAGONI, H. Qualitätsbezahlung auf der grundlage der reduktaseprobe. Molk.- u. Käserei-Ztg. 3: 1607-1608. Dec.23,1952. 44.8 M736

36963 LANGE, J. Kleiner beitrag zur genauigkeit der Gerber'schen fettbestimmung in der praxis. Molk.-Ztg 6:2145-2146. Nov.27,1952. 44.8 M735

36964 LEMBKE, A., KAUFMANN, W., and GANTZ, H. Elektrophoretische untersuchungen an milchproteinen, I. Kieler Milchwirt. Forschber. 4:571-578. 1952. 44.9 K542
English summary.

36965 LEMBKE, A., KAUFMANN, W., and SCHMIDT, H. Enzymatische studien an milchproteinen. Milchwissenschaft 8:10-16. Ref. Jan.1953. 44.8 M5933
English summary.

36966 LEMBKE, A., KAUFMANN, W., and SCHMIDT, H. Spektralanalytische untersuchungen an molkenproteinen. Kieler Milchwirt. Forschber. 4:673-682. Ref. 1952. 44.9 K542
English summary.

36967 LONKA, T. The relation between fat and protein in milk. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 24:176-181. 1952. 20 Su7M
English summary.

36968 MERTA, E. Eine vereinfachte methode zur beurteilung der angelieferten milch. Deut. Molk.-Ztg. 73:1581-1582. Dec.12,1952. 44.8 Su2

36969 MIKHLIN, S. ÎA. Determining milk pasteurization by a phosphatase test. (In Russian.) Vsesoîûzn. Konf. po Moloch. Delu. Sborn. Dok. 2:239-242. 1950,pub. 1951. 44.9 V962

36970 MIKLIK, E. Über das eiweissabbau- und fettspaltungsvermögen einer Rhodotorula aus der butter. Milchwissenschaft 8:23-26. Jan.1953. 44.8 M5933
English summary.

36971 MULVANY, J. L. La prueba de catalasa y la calidad de la leche. Chacra 23(266):21-22. Jan.1953. 9 C34

36972 NASHIF, S. A., and NELSON, F. E. Some studies on microbacteria from Iowa dairy products. Appl. Microbiol. 1:47-52. Ref. Jan.1953. 448.3 Ap5

36973 PATTON, S. Studies of heated milk. IV. Observations on browning. J. Dairy Sci. 35:1053-1066. Ref. Dec.1952. 44.8 J822

36974 RANDOIN, L., and JOURDAN, C. Détermination des teneurs en matière sèche, en calcium et en phosphore de deux sortes de fromages de chèvre et de onze échantillons de crèmes de Gruyère. Lait 32:593-599. Nov./Dec.1952. 44.8 L143

36975 RANDOIN, L., and JOURDAN, C. Vue d'ensemble sur les valeurs calcio-phosphoriques de 23 variétés de fromages (frais, à pâte molle, demi-dure ou ferme, fondus); relations entre ces valeurs et les techniques de fabrication des différents fromages. Lait 32: 607-616. Nov./Dec.1952. 44.8 L143

36976 RENKO, P. Considerations about microbe contents of butter manipulated with pasteurized cream. (In Italian.) Mondo del Latte 10:601,603,605,607,609. Oct.1952. 44.8 M74
English summary.

36977 RISHOI, A. H. The thermal behavior of milk fat in rapidly cooled cream. J. Dairy Sci. 35:1125-1129. Ref. Dec.1952. 44.8 J822

36978 ROEDER, G. Beiträge zur kenntnis des reduktionsvermögens der milch. Oberhess. Gesell. f. Nat.- u. Heilk. Ber. Natwiss. Abt. (n.s.)25:134-143. Ref. 1952. 509 G36N

36979 ROEDER, G. Normale und anomale milch. Oberhess. Gesell. f. Nat.- u. Heilk. Ber. Natwiss. Abt. (n.s.)25:5-24. Ref. 1952. 509 G36N

36980 ROEDER, G. Vereinfachung der coli-bestimmung für den praktischen gebrauch. Molk.- u. Käserei-Ztg. 3:1563-1565. (Concl.) Ref. Dec.18,1952. 44.8 M736

36981 ROEDER, G. Zur berichtigung der Gerbermethode für die milchfettbestimmung. Deut. Molk.-Ztg. 73:1489-1492. Ref. Nov.21,1952. 44.8 Su2

36982 SCHWARZ, G., and KRAUSS, B. Die flammenphotometrische bestimmung von kalium, natrium und calcium in milch. Kieler Milchwirt. Forschber. 4:579-593. Ref. 1952. 44.9 K542
English summary.

36983 SLATTER, W. L., and VAN WINKLE, Q. An electrophoretic study of the protein in skimmilk. J. Dairy Sci. 35:1083-1093. Ref. Dec.1952. 44.8 J822

36984 STÜBER, O., and GÖBELT, J. Die fett-eiweiss-korrelation und ihre bedeutung für die praxis. Milchwiss. Ber. 1:3-33. Ref. 1952. 44.8 M5997

36985 TAKEDA, A. Studies on the process of bacteria contamination of the milk produced by farmers in the neighborhood of Fukuoka City. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 12:293-297. Mar.1952. 107.6 K995B
English summary.

36986 TOBIAS, J., WHITNEY, R. M., and TRACY, P. H. Electrophoretic properties of milk proteins. I-II. J. Dairy Sci. 35:1026-1045. Ref. Dec.1952. 44.8 J822
I, Preparation of samples of skimmilk for electrophoretic studies; II, Effect of heating to 300°F. by means of the Mallory smalltube heat exchanger on skimmilk proteins.

36987 TSIBIZOV, N. I., and others. Methods of estimating the fat content in milk of cows. (In Russian.) Vsesoîûzn. Konf. po Moloch. Delu. Sborn. Dok. 2:136-145. 1950,pub.1951. 44.9 V962
M. E. Tamarchenko, S. B. Finkel', and D. S. Lebedev, joint authors.

36988 VUILLAUME, R. Dosage du sucre ajouté au lait (cas des laits condensés sucrés). Lait 32:600-607. Ref. Nov./Dec.1952. 44.8 L143

36989 ZORN, R. A., BUTZI, F. F., and FOSTER, E. M. The bacteriology of sweet-curd brick cheese. J. Dairy Sci. 35:1067-1075. Ref. Dec.1952. 44.8 J822

Consumption and Utilization

36990 FOSTER, E. M. The effect of heat on milk as a culture medium for lactic acid bacteria. J. Dairy Sci. 35:988-997. Ref. Dec.1952. 44.8 J822

36991 WENTWORTH, W. A. Let's take a look at butterfat consumption. (Extr.) South. Dairy Prod. J. 53 (2):51-52,54-56. Feb.1953. 44.8 So83
Butter consumption compared with vegetable oils.

Distribution, Marketing, and Transportation

36992 BENSON, L. H. Dairy farmers switch to tank truck pick-up. DPMA News 13(3):3. Dec.1952. 280.28 D144

36993 BLINK, G. J. South Beveland cooperative milk marketing organization. (In Dutch.) Zeeuwsch Landbbl. 40(2149):6. Nov.22,1952. 12 Z2

36994 CLARKE, D. A. Cost relationships for milk collection by can and by tank in California. Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:134-139. 1952. 280.3449 N212
Discussion by A. C. Fisher, p. 140-143.

36995 DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION. Story of the year 1950—1951. n.p.,1952. 40 p. 44.9 D143

36996 ESCHE, E. Strukturwandlungen in der milchverwertung. Agrarwirtschaft 1:332-336. Dec.1952. 281.8 Ag826
Germany.

36997 GREENE, D. W. Mechanical refrigeration of milk trucks. (Extr.) South. Dairy Prod. J. 53(2):86-87, 92-95. Feb.1953. 44.8 So83

36998 HERMANSEN, K. Create goodwill for milk and dairy products. (In Danish.) Nord. Mejeri-Tidsskr. 19:1-2. 1953. 44.8 N752

36999 HIRSCH, D. E. Measuring the effectiveness of milk bargaining cooperatives. Washington,U. S. Farm Credit Admin,1952. 4 p. 1.955 C2H61
Talk given at the Dairy Cooperative Marketing Clinic, National Milk Producers' Federation, Dallas, Sept. 29, 1952.

37000 HIRSCH, D. E. Record needs of dairy cooperatives. Washington,U. S. Farm Credit Admin.,1952. 3 p. 1.955 C2H61
Talk given at the Dairy Cooperative Marketing Clinic, National Milk Producers' Federation, Dallas, Sept. 29, 1952.

37001 HIRSCH, D. E. Role of producers' cooperatives in the marketing of fluid milk under Federal regulation in the United States. Washington,U. S. Farm Credit Admin.,1952. 4 p. 1.955 C2H61
Paper presented at International Conference of Agricultural Economists, Aug. 19, 1952.

37002 INTERNATIONAL ASSOCIATION OF MILK CONTROL AGENCIES. Sixteenth annual meeting, Bar Harbor, Maine, September 10, 11 and 12, 1952. n.p., 1952. 162 p. 280.3449 N212

37003 IVARSON, E. Activities of the Marketing Center in 1952. (In Norwegian.) Meieriposten 42:48-57. Jan.17,1953. 44.8 M47
Dairy products.

37004 JOHNSON, S. Milk marketing in England. Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16: 14-24. 1952. 280.3449 N212
Includes discussion.

37005 KALIMUTHU, K. Milk co-operatives and State hospital supplies. II. Madras J. Co-op. 44:195-204. Oct. 1952. 280.28 M26

37006 KALIMUTHU, K. Milk co-operatives and State hospital supplies. III. Madras J. Co-op. 44:249-262. Nov.1952. 280.28 M26

37007 KINMON, G. H. Our challenge. South. Dairy Prod. J. 53(2):7-72. Feb.1953. 44.8 So83
Public relations in the dairy industry.

37008 KUTISH, L. J. Regulations on weight of motor-trucks; problems illustrated by Wisconsin's experience in hauling fluid dairy products. U. S. D. A. Mktg. Res. Rpt. 28,49 p. Nov.1952. 1 Ag84Mr

37009 LANGELS, H. Der buttermarkt und der butterpreis. Landwirt. Z. der Nord-Rheinprov. 119:1341. Dec.6,1952. 18 L2344

37010 LANNI, U. System, methods, and costs of internal milk distribution in relation to expansion of sales. (In Italian.) Latte 26:579-581. Dec.1952. 44.8 L35
Italy.

37011 LUCAS, P. S., and LANKFORD, M. P. Meeting low-overrun ice cream competition. Mich. Agr. Expt. Sta. Q. B. 35:203-208. Nov.1952. 100 M58S

37012 NEW ZEALAND. DAIRY PRODUCTS MARKETING COMMISSION. Fifth annual report and statement of accounts for the year ended 31st July, 1952. Palmerston North,1952. 96 p. 280.3449 N486

37013 OTTESEN, R. Official regulations and activities, etc., in the dairy industry in U.S.A. (In Norwegian.) Meieriposten 42:23-29. (Cont.) Jan.10,1953. 44.8 M47
Marketing and price support.

37014 PARODNECK, M. Milk cooperatives in the New York milk shed. Noeast. Union Farmer 12(2):6-7. Feb.1953. 280.28 F227

37015 RIBEIRO, J. A. Aspects of milk supply in the capitals of the principal Brazilian States. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 5:300-305. Oct.1952. 44.8 B634

37016 RUEHE, H. A. How to build sales of cottage cheese. Milk Plant Mon. 42(2):12-16. Feb.1953. 44.8 C864

37017 "SANCOR" FÁBRICAS DE MANTECA. Memoria y balance del 12.º ejercicio, cerrado el 30 de junio de 1952, aprobados en la asamblea general ordinaria del 27 de septiembre de 1952. Rev. "SanCor" 11(115):13-54. Oct./Nov.1952. 280.28 R322

37018 SCHÖNBERG, F. Über wirksame milchwerbung. Molk.-Ztg. 6:2051. Nov.6,1952. 44.8 M735
Germany.

37019 THOM, E. Dry milk sales outlook bright, survey indicates. Butter, Cheese & Milk Prod. J. 44(2): 29-30. Feb.1953. 286.85 B98Bu

37020 TIEDEMAN, E. W. What to do with butterfat. Dairymen's League News 37(3):3,17-18. Feb.3,1953. 44.8 D1432
Marketing outlets.

37021 VEALE, M. Ireland's travelling creameries; big aid to small producers in more remote areas. Farmer's Wk. [Bloemfontein] 84:41. Jan.7,1953. 24 F225

37022 VÖLZ, W. Milchwerbung im zwielicht. Deut. Molk.-Ztg. 73:1554. Dec.5,1952. 44.8 Su2

37023 ZIMMERMANN, J. Ein erfahrener verkaufsspezialist spricht über betriebsführung und verkauf. Schweiz. Milchztg. 79:41-43,46-47. Jan.23-27,1953. 44.8 Sch92

Grading, Inspection, Standardization, and Quality

37024 ANANTAKRISHNAN, C. P. Milk and its products. Indian Farming (n.s.)2(9):20-21. Dec.1952. 22 In283
Bacteriological quality and its suitability for processing.

37025 ANTILA, M., VUOLA, K., and ROINE, P. Stability of vitamin A and carotene in butter made by different methods. Acta Agr. Scand. 2:210-214. Ref. 1952. 11 Ac82

37026 BARBOSA, H. D. C. Considerations on milk sanitation. (In Portuguese.) B. do Leite (ser.4)6(65):7, 9,11,13-20,28. Nov.1952. 44.8 B633
Milk and disease and technological processes.

37027 BEATTIE, D. M. Canadian butter retains quality after 12–18 months' storage. Canad. Dairy & Ice Cream J. 32:33-36,50. Jan.1953. 44.8 C162

37028 BENDIXEN, H. A. Dairy foods win favor with flavor. Amer. Dairy Prod. Mfg. Rev. 15:10-11. Jan.1953. 44.8 Am37

37029 BENTERUD, J. E. Class milk. (In Norwegian.) Meieriposten 42:46-47. Jan.17,1953. 44.8 M47

37030 CONWAY, J. P. Sixty years of certified milk 1893-1953. Certif. Milk 28:4. Jan.1953. 44.8 C33

37031 DAM, A. A. VAN. The regulation of consumers' milk and cooperatives in the West of the country. (In Dutch.) Producent 4:177-178. Nov.8,1952. 44.8 P94
Netherlands.

37032 ELLINGSEN, J. K. Quality of Oslo milk. (In Norwegian.) Meieriposten 42:43-46. Jan.17,1953. 44.8 M47

37033 ELY, R. E., and others. The effect of lindane on the flavor of milk. U. S. Bur. Dairy Indus. BDI-Inf-145,3 p. Dec.1952. 1.973 D4B34
R. W. Bell, L. A. Moore, H. D. Mann, and R. H. Carter, joint authors.

37034 GROSJEAN. Le problème du lait de consommation. Sillon Belge 22(537):1,8. (Cont.) Dec.6,1952. 13 Si3
Health aspects.

37035 KOBRO, J. Milk quality and Veterinarian Bratlie. (In Norwegian.) Meieriposten 41:934-936. Dec. 20,1952. 44.8 M47

37036 KÖNIG, W. Die milchwirtschaftlichen leistungsprüfungen der DLG 1952. Deut. Landwirt.-Gesell. Mitt. 68:15-16. (Cont.) Jan.1,1953. 18 N39

37037 KÖNIG, W. Die milchwirtschaftlichen leistungsprüfungen der DLG 1952. Deut. Landwirt.-Gesell. Mitt. 68:45-46. (Concl.) Jan.8,1953. 18 N39

37038 LANGSLET, T. Modified reductase test versus the usual reductase test. (In Norwegian.) Meieriposten 41:915-918. Dec.13,1952. 44.8 M47

37039 MARKOVA, K. V. On the work of collective farm milk laboratories. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:208-217. 1950,pub.1951. 44.9 V962
Inspection of milk quality.

37040 NAĬNIS, I. I. Sanitary-hygienic inspection—guarantee of good quality of milk and its derivative products. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:206-208. 1950,pub.1951. 44.9 V962

37041 NERI, A. Butter. (In Italian.) Latte 26:289-290. (Cont.) Dec.1952. 44.8 L35
Regulation in Italy.

37042 PETERSEN, N. Der käsefehler "unrein" und seine bekämpfung. Molk.-Ztg. 6:2117-2118. Nov.20, 1952. 44.8 M735

37043 POLUÉKTOV, A. M. On the work of the milk inspection stations at the city markets. (In Russian.) Vsesoíuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:228-232. 1950,pub.1951. 44.9 V962

37044 RADEMA, H. "Burnt and unpleasant taste," butter defects. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 44:776-777. Dec.17,1952. 44.9 AL3

37045 SHTEPA, V. I. Effect of proteins on keeping quality of butter. (In Russian.) Vsesoíuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:306-312. 1950,pub.1951. 44.9 V962

37046 SMILLIE, D. M. Quality in milk. II. Scot. Agr. 32:161-166. Winter 1952/53. 10 Sco82So

37047 U. S. PRODUCTION AND MARKETING ADMIN. Cheese classifications. Washington,1952. 6 p. 1.956 A22C412

37048 VOLZ. Dynamit im fundament? Deut. Milchhandels-Ztg. 74:98-100. Feb.14,1952. 44.8 D48
Market regulation.

Packing and Packaging

37049 BARKER, E. M. Merits of various packages for nonfat dry milk. Butter, Cheese & Milk Prod. J. 44 (2):27-28. Feb.1953. 286.85 B98Bu

37050 MCARTHUR, A. A. Bulk farm tanks and tank pick up. (Extr.) South. Dairy Prod. J. 53(2):34-35. Feb. 1953. 44.8 So83

37051 NEDERLANDSE ZUIVELBOND. COMMISSIE VAN TOEZICHT OP PROEFNEMINGEN. De verpakking van volle walsenpoeder [On the packing of rolled full-cream powdered milk]. Alg. Nederland. Zuivelbond. Verslagen 7,42 p. 1952. 44.9 AL3Ve
English summary.
In paper bags.

37052 PACKETED dry milk. Mod. Packaging 26(6): 112-115. Feb.1953. 309.8 M72

37053 SEELEMANN, M., and RACKOW, H. G. Bericht über die hygienische begutachtung der milchkannen-reinigungsbürste "Fegola" der Firma Modersohn & Co. K.-G., Lippstadt i W. Kieler Milchwirt. Forschber. 4:617-620. 1952. 44.9 K542
English summary.

37054 STORCK, W. Die Perga packung; herstellung und einsatzmöglichkeiten in der milchwirtschaft. Molk.- u. Käserei-Ztg. 3:1603-1606. Dec.23,1952. 44.8 M736

Prices, Price Control, and Rationing

37055 ALBERTARIO, P. The concluding motion of the National Dairy Congress, Lodi, September 20, 1952. (In Italian.) Mondo del Latte 10:583,585-588,591-592, 594-596,599. Oct.1952. 44.8 M74
Prices and trade in Italy.

37056 BAKER, D. J., and BERRY, C. H. The price elasticity of demand for fluid skim milk. J. Farm Econ. 35:124-129. Feb.1953. 280.8 J822

37057 BLUM, J. L., and MARCH, R. W. The "18 condensery" milk price series; is the series adequate as a base for determining milk prices? DPMA News 13(3):8-11. Dec.1952. 280.28

37058 BÖCKLEIN, H. Die milchauszahlungspreise auf dem höhepunkt. Landwirt. Wchnbl. 143:29-30. Jan. 10,1953. 18 L2338
Germany.

37059 BROCHU, E. Considérations sur les méthodes de paiement et de fixation des prix du lait en nature. Agriculture [Montreal] 9:297-301. Summer/Autumn 1952. 7 Ag82

37060 CLARKE, D. A. Pricing intermarket transfers of bulk grade A cream and skim milk. Calif. Agr. Expt. Sta. B. 732,30 p. Nov.1952. 100 C12S

37061 GALESLOOT. T. E. Payment for farm milk by germ count. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:7. Jan.7,1953. 44.9 AL3

37062 HJELHOLT JENSEN, E. The new method of payment in milk plants. (In Danish.) Jerseybladet 46:87-89. Oct.1952. 43.8 J485

37063 HOUSTON, D. Incentives for milk quality improvement; payment by contents systems in use in overseas countries to satisfy owners of all breeds. Farmer's Wk. [Bloemfontein] 84:35,37. Jan.7,1953. 24 F225

37064 METZGER, H. B. Milk supply areas and producer price relationships in Maine markets. Maine. Agr. Expt. Sta. B. 503,124 p. May 1952. 100 M28S

37065 PANEL discussion of "Producer Price Fixing". Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:26-53. 1952 280.3449 N212
Statements by C. W. Pierce, K. Geyer, F. Lent, J. Bond, and J. D. Lee.
Includes discussion.

37066 PANEL discussion—"Resale pricing." Internatl. Assoc. Milk Control Agencies. Annu. Mtg. 16:97-119. 1952. 280.3449 N212
Statements by G. F. Dow, B. J. Campbell, L. K. Nicholas, E. E. Vial, and E. C. Carr.

37067 SAVELBERG, P. Weidewirtschaft und milchpreis. Landwirt. Z. der Nord-Rheinprov. 119:1361-1362. Dec.13,1952. 18 L2344

37068 SMITH, R. D. To better understand milk pricing. Metrop. Milk Prod. News 13:12-13,20. Jan. 1953. 280.28 M56

37069 WILD, L. Amtliche preisnotierung und "Suddeutsche Butter- und Käse-Börse Kempten (Allgäu) e. V." Deut. Molk.-Ztg. 73:1615-1617. Dec.19,1952. 44.8 Su2

Processing and Storage

37070 ABELE, C. A. Cleaning-in-place. (Extr.) South. Dairy Prod. J. 53(2):73-74,78-80,82. Feb.1953. 44 8 So83

37071 ABELE C. A. In-place cleaning of sanitary pipe lines. Ice Cream Rev. 36(7):100,102,104-108. Feb. 1953. 389.8 Ic22

37072 ALBUQUERQUE, H. The ten stages of cheese manufacture. (In Portuguese.) Lav. e Criação 7(42):63-65. Sept.1952. 49 L392

37073 ALDINGER, K. Una obra cumbre de la industria danesa de máquinas lecheras; la batidora triangular. Indus. Lech. 34:591-598. Nov.1952. 44.8 In26

37074 ARBUCKLE, W. S., and NISONGER, J. W. HTST pasteurization of ice cream mix as related to the use of different stabilizers. South. Dairy Prod. J. 53: 67,70-73. Jan.1953. 44.8 So83

37075 BABEL, F. J. The role of fungi in cheese ripening. Econ. Bot. 7:27-42. Ref. Jan./Mar.1953. 450 Ec7

37076 BECK, G. Der Siebel eltron-elektro milchentkeimer, ein wertvolles gerät für die tuberkulosebekämpfung. Tierärztl. Umschau 8:25-26. Jan.1953. 41.8 T445

37077 BEHMER, M. L. A. Fermented milk products. (In Portuguese.) Soc. Rur. Bras. Rev. 32(383):32. Dec. 1952. 9.2 B733

37078 BEHMER, M. L. A. Medicinal milk curds. (In Portuguese.) B. do Leite (ser.4)6(65):5. Nov.1952. 44.8 B633
Fermented milk products.

37079 BELLATI, G. Hygienic treatment of milk in small centers. (In Italian.) Latte 26:595-596. Dec.1952. 44.8 L35
Italy.

37080 BERGER, W. Uperisation, ein neues durchflussverfahren zur wärmehaltung und entkeimung von milch and anderen flüssigkeiten. Molk.- u. Käserei-Ztg. 3:1609-1610. Dec.23,1952. 44.8 M736

37081 BERTOLI, A. Technical and hygienic methods for the treatment of milk and dairy products. (In Italian.) Latte 26:597. Dec.1952. 44.8 L35
Italy.

37082 BOGDANOV, V. M. Utilization of yeasts in butter manufacture [to control molding in storage]. (In Russian.) Vsesoíuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:299-306. 1950,pub.1951. 44.9 V962

37083 BUNDESEN, H. N., and others. Thermal destruction of Mycobacterium tuberculosis var. bovis in certain liquid dairy products. Amer. J. Pub. Health 43: 185-188. Feb.1953. 449.9 Am3J
T. F. Danforth, H. Woolley, and E. C. Lehner, joint authors.

37084 BUTIN, V. I. Measures for further improvement of quality of milk which is received at the milk plants in the City of Moscow. (In Russian.) Vsesoíuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:193-200. 1950,pub. 1951. 44.9 V962

37085 COMBS, W. B., and MORRIS, H. Canned milk fat. Hoard's Dairyman 98:138. Feb.10,1953. 44.8 H65
Butter oil.

37086 CONTINUOUS buttermaking ok'd in Midwest trial. Food Engin. 25(2):47,208-209. Feb.1953. 389.8 F737

37087 CRAMPTON, E. W. Research on butterfat gets underway. Canad. Jersey Breeder 7(12):20. Dec. 1952. 43.8 C165

37088 DAVIDOV, R. B., and BARABANSHCHIKOV, N. V. Cheese production from frozen milk. (In Russian.) Vsesoiuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:329-337. 1950,pub.1951. 44.9 V962

37089 DAVIDOV, R. B. News in the dairy industry. (In Russian.) Vsesoiùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:34-44. 1950,pub.1951. 44.9 V962
Milk research chiefly.

37090 DAVIS, J. G. Refrigeration in the dairy industry today. Internatl. Cong. Refrig. Proc. 8:525-531. Ref. 1951. 295.9 In82

37091 DILANÎAN, Z. KH. Importance of quality of rennet clots in cheese manufacture. (In Russian.) Vsesoiùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:320-329. 1950,pub.1951. 44.9 V962

37092 EFIMOV, F. F. Milk acidity and its increase during storage. (In Russian.) Vsesoiùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:232-239. 1950,pub.1951. 44.9 V962

37093 ESCHE, E., and others. Die kosten der produktion und des vertriebes von flaschenmilch bei benutzung von anlagen mit 4000 falschen nenn-stundenleistung. Kieler Milchwirt. Forschber. 4:709-749. Ref. 1952. 44.9 K542
H. Weissenberg, R. Meier, and G. Fabisch, joint authors.
English summary.

37094 EVANS, F. R., and CURRAN, H. R. The preserving action of subtilin and mild heat in normal and concentrated milk. J. Dairy Sci. 35:1101-1106. Ref. Dec.1952. 44.8 J822

37095 FRIEDEL, G., and FRIEDEL, H. Die molkereien und ihre speisequarkerzeugung. I-II. Molk.- u. Käserei-Ztg. 3:1444-1445,1498-1499,1575-1576. Nov.13-27,Dec.18,1952. 44.8 M736

37096 FUTSCHIK, J. Moderne desinfektionsmittel. Österr. Milchwirt. 7:344-345. Dec.7,1952. 44.8 Os72

37097 GATZWEILER. Moderner trinkmilchbetrieb. Molk.-Ztg. 6:2112-2114. Nov.20,1952. 44.8 M735
Equipment and layouts.

37098 GOONASEKERA, G. C. M. Produce clean milk. II. Ceylon Coconut Q. 3:81-82. Apr./June 1952. 77.8 C33

37099 GRAEFE, G. Anforderungen an stärke und stärkederivate für die speiseeis-herstellung. Zucker- u. Süsswaren-Wirt. 5:895-897. Nov.20,1952. 286.86 Z8

37100 HALL, C. W. Efficient milk can conveyor design for dairy plants. Mich. Agr. Expt. Sta. Q. B. 35: 198-202. Nov.1952. 100 M58S

37101 HALL, H. S. The refrigeration of milk on the farm. Internatl. Cong. Refrig. Proc. 8:522-525. 1951. 295.9 In82
Includes discussion.

37102 HEDRICK, T. I. Nonfat dry milk solids for cottage cheese. Milk Plant Mon. 42(2):20-22,24. Feb. 1953. 44.8 C864

37103 HILEMAN, J. L. Manufacture of nonfat dry milk solids. Butter, Cheese & Milk Prod. J. 44(2):32, 42. Feb.1953. 286.85 B98Bu

37104 HOOD, E. G. Dairy science: a review of work in Canada. Commonwealth Bur. Dairy Sci. Dairy Sci. Abs. 15:4-22. Ref. Jan.1953. 241 Im76

37105 HUBBELL, B. E. Ice cream formulas for diabetics. Ice Cream Rev. 36(7):98-99. Feb.1953. 389.8 Ic22

37106 JARROUSSE, H., and others Contribution á l'étude du comportement des beurres pasteurisés stockés aux basses températures. Internatl. Cong. Refrig. Proc. 8:532-535. 1951. 295.9 In82
R. Veisseyre, G. Faurot de Lamothe, and C. Salles, joint authors.

37107 JAX, P., and FUTSCHIK, J. Uber die eignung verschiedener watteschelbenfilter für milchselhzwecke. Milchwiss. Ber. 1:34-40. 1952. 44.8 M5997

37108 JUDKINS, H. F. What is the dairy industry's responsibility to our universities? Ice Cream Rev. 36 (7):52,55-56,58-60,62. Feb.1953. 389.8 Ic22

37109 KEILLING, J. Le problème de l'affinage à froid des fromages français. Internatl. Cong. Refrig. Proc. 8:555-557. 1951. 295.9 In82

37110 KIEL. BUNDES- VERSUCHS- UND FORSCHUNGSANSTALT FÜR MILCHWIRTSCHAFT. Wissenschaftlicher jahresbericht 1951/52. Kieler Milchwirt. Forschber. 4:527-570. 1952. 44.9 K542
English summary.
Research.

37111 KING, N. Neuere erfahrungen bei der herstellung von sog. "flüssiger" butter. Molk.-Ztg. 6: 2137-2138. Nov.27,1952. 44.8 M735
Equipment.

37112 LAFFITTE, P. La fabrication du fromage du pays ou des Pyrénées. Crémerie Franç. 281:24-26. Dec.16,1952. 44.8 C867

37113 LIMA, J. P. Salting cheese. (In Portuguese.) Lav. e Criação 7(42):54. Sept.1952. 49 L392

37114 LÜCK, H., and WISER, J. Zur frischhaltung von milch und molkereiprodukten. Deut. Molk.-Ztg. 74:34-36. Ref. Jan.9,1953. 44.8 Su2

37115 MATALLANA VENTURA, S. Fabricación continua de manteca. Rev. Indus. y Fabril 7:669-671. Dec.1952. 297.8 R322

37116 MATTICK, A. T. R. Organismes inhibiteurs. Tech. Lait. 9(120):10-13. (Cont.) Ref. Jan.1,1953. 44.8 Of2
Cheese manufacture.

37117 MAYR, J. Wie hoch sind die kosten des buttergrosshandels? Deut. Molk.-Ztg. 73:1550-1551. Dec.5,1952. 44.8 Su2

37118 MENGEBIER. Salz und reifungsmittel in der sauermilchkäserei. Molk.-Ztg. 6:2055. Nov.6,1952. 44.8 M735

37119 MOLANO CAMPUZANO, J. La producción higiénica de la leche en los Estados Unidos de América. Agr. Trop. 8(12):13-16. Dec.1952. 26 Ag8

37120 MORRIS, H. A. Some characteristics of the lipase system of Pencillium roqueforti. Mich. U. Diss. Abs. 12:769-770. 1952. 241.8 M58
In connection with manufacture of Blue cheese.

37121 NELSON, G. T. Take-down and in-place cleaning of dairy plant pipe lines. Milk Plant Mon. 42(2):52,54. Feb.1953. 44.8 C864

37122 ORLOV, N. I. Improving the milk supply to large cities. (In Russian.) Vsesoiùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:188-193. 1950,pub.1951. 44.9 V962
Sanitation chiefly.

37123 PIRILLO, S. Un nuevo elemento para combatir las bacterias que alteran la leche. Indus. Lech. 34:602. Nov.1952. 44.8 In26
Ozone.

37124 PLOCK, K., and WÄLZHOLZ, G. Bericht über die technische begutachtung des kalotten-plattenerhitzers in schaltung als hoch- und kurzzeiterhitzer mit 80 o/o wärmeaustausch. Kieler Milchwirt. Forschber. 4:751-758. 1952. 44.9 K542
English summary.

37125 PLOCK, K., and WÄLZHOLZ, G. Technische begutachtung des trommelhocherhitzers grösse "Oa" 500 ℓ/h in nIroausführung und der konstruktiven änderungen der grössen "Ob" 700ℓ/h und "2" 1000ℓ/h der Fa. Roth's Molkereimaschinenfabrik, Stuttgart. Kieler Milchwirt. Forschber. 4:621-628. 1952. 44.9 K542
English summary.

37126 PROKŠ, J., and OLŠANSKÝ, C. Trials with the continuous butter-making after Fritz. (In Czech.) Brunn. Vysoká Sk. Zeměděl. a Lesn. Sborn. 1:4-42. Ref. 1952. 105.92 B833
English summary.

37127 RIEGEL, G. M. Surface characteristics of metals used in dairy and food processing. South. Dairy Prod. J 53(2):149-150. Feb.1953. 44.8 So83

37128 SALVADOR, A. N. Milk which is still drunk. (In Portuguese.) Vida Agr. 15(92):1-2. Nov./Dec.1952. 15.5 V66
Sanitation in Portugal.

37129 SANTOS, E. A propos of milk sterilization. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C P.L. 5:311-312. Oct.1952. 44.8 B634
Brazil.

37130 SCHULZ, M. E., and others. Die reifung von Edamer-käse in der verpackung. Milchwissenschaft 8: 17-22. (Cont.) Jan.1953. 44.8 M5933
G. Sydow, H. Siegfried, U. Kock, and H. Pohse, joint authors.

37131 SIMONSEN, H. The Experimental Dairy Plant and The Dairy Institute at the Agricultural College of Norway. (In Norwegian.) Meieriposten 42:10-18. Jan.3, 1953. 44.8 M47

37132 SORDI, C. Experiments in cooling milk at milking. (In Italian.) Latte 26:577-578. Dec.1952. 44.8 L35

37133 STOLTZ, E. I., and HANKINSON, D. J. Antibiotics and lactic acid starter cultures. Appl. Microbiol. 1:24-29. Ref. Jan.1953. 448.3 Ap5

37134 STORGÅRDS, T. Can penicillin milk be inactivated through penicillinase. (In Swedish.) Mejeritidskrift 14:127-130. Dec.1952. 44.8 M472

37135 STORGÅRDS, T. Cheese with ancestors. (In Swedish.) Mjölkpropagandan 30:18-19. Jan.1953. 44.8 M692
Manufacture of Roquefort cheese.

37136 STORGÅRDS, T., and LINDQUIST, B. Untersuchungen über die käsereifung. I. Milchwissenschaft 8: 5-10. Ref. Jan.1953. 44.8 M5933
English summary.

37137 TANNER, H. Machines and appliances for the dairy industry. Swiss Indus. & Trade 31(3):4-10. 1952. 280.8 Sw6

37138 TERESHKOVICH, A. M. Conditions for supplying milk to the organized children's population in Moscow. (In Russian.) Vsesoîuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:200-206. 1950,pub.1951. 44.9 V962
Sanitation chiefly.

37139 THOME, K. E. Can milk from silage fed cows be used successfully in manufacture of cheese? (In Danish.) Nord. Mejeri-Tidsskr. 19:3-8. 1953. 44.8 N752
Includes discussion.

37140 THOMSEN, H. Die milchpumpen. Molk.-Ztg. 6:2135-2136,2190-2191. (Cont.) Nov.27,Dec.11,1952. 44.8 M735

37141 THOMSEN, H. Über den nachweis und die regelung einer ordnungsmässigen milcherhitzung. Molk.-Ztg. 6:2266-2267. (Cont.) Dec.25,1952. 44.8 M735
Includes equipment.

37142 U. S. BUR. OF AGRICULTURAL ECONOMICS. 1952 summary of American cheese warehouse statistics. Chicago,1953. 8 p. 1.941 H8C41

37143 VUKOV, J. Sterilmilch: ja oder nein? Österr. Milchwirt. 7:353-356. Dec.21,1952. 44.8 Os72

37144 WAUSCHKUHN, B. Der falsche schimmel in der Camembert-käserei. Molk.-Ztg. 7:23-24. Jan.8, 1953. 44.8 M735

37145 WAUSCHKUHN, B. Der trockenraum in der Camembertkäserei. Molk.-Ztg. 6:2054-2055. Nov.6, 1952. 44.8 M735

37146 ZEILER, K. 100 jahre milchwirtschaft in Weihenstephan. Molk.-Ztg. 6:2251-2253. Dec.25,1952. 44.8 M735

37147 ZEILINGER, A. Methoden für die ambulante bakteriologische betriebskontrolle. Milchwiss. Ber. 2: 60-80. Ref. 1952. 44.8 M5997

37148 ZEILINGER, A. Von der wissenschaftlichen arbeit an den Milchwirtschaftlichen Bundesanstalten Wolfpassing und Rotholz im jahre 1952. Österr. Milchwirt. 7:337-339. Dec.7,1952. 44.8 Os72

37149 ZOBOLI L. A. Present production of Parma-Reggio "Grana." (In Italian.) Sci. e Tec. Latt. Casearia 2(4/6):3-8. July/Oct.1952. 44.8 Sci2

Statistics

37150 HONL, V. Erzeugung und verwendung von kuhmilch im wirtschaftsjahr 1951/52 in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:339-341. Nov.1952. 265 St24
Statistics.

37151 SCHWEIZERISCHES BAUERNSEKRETARIAT. Milchstatistik der Schweiz 1951. Landwirt. Jahrb. der Schweiz 66:855-914. 1952. 47 L23

37152 U. S. BUR. OF AGRICULTURAL ECONOMICS. Milk production on farms and statistics of dairy plant products, 1952, by J. L. Wilson and others. Washington, 1953. 46 p. 1.941 H2M59

37153 U. S. BUR. OF AGRICULTURAL ECONOMICS. Production of manufactured dairy products, 1951. U. S. D. A. Statis. B. 120,36 p. Dec.1952. 1 Ag84St

FEED AND FORAGE CROPS

37154 AFANASENKO, S. S. Formation of foam in feed molasses and methods for its control. (In Russian.) Sakh. Promysh. 26(10):15-17. Oct.1952. 65.8 Sa2

37155 ASHTON, W. M., and MORGAN, D. E. The chemical composition and nutritive value of Welsh hay comparison with other British hays. I. Brit. Grassland Soc. J. 7:161-171. Ref. Dec.1952. 60.19 B773

37156 AXELSSON, J. Publicity for feed preparations. (In Swedish.) Ladugården 1:20-25. Jan.1953. 44.8 L12

37157 BEARSE, G. E. Granulation, pelleting, color and texture of poultry feeds. Feedstuffs 25(8):44-47. Feb.21,1953. 286.81 F322

37158 BLOHM, G. Die betriebswirtschaftliche stellung des futterbaus. Deut. Landwirt.-Gesell. Mitt. 67:963-965. Dec.18,1952. 18 N39

37159 CARD, P. Q. Palatability of formula feeds. Feedstuffs 25(8):18,20. Feb.21,1953. 286.81 F322

37160 COOLEY, M. L. Determination of calcium in feeds by flame photometry. Cereal Chem. 30:39-47. Jan.1953. 59.8 C33

37161 DEXTER, K. Grass or cake? Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8:17-18. Autumn 1952. 281.9 N842
Relative feed costs.

37162 EFFERTZ, J. Die bedeutung und durchführung der futtermittelkontrolle. Deut. Wirtgeflügelzucht. 5:49-51. Oct.25,1952. 47.8 D483

37163 FEED outlook for 1953. Farm Mangt. 2(2): 75-76. Jan.1953. 281.8 F2225

37164 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Endgültige ernteschätzung von rauhfutter 1952. Germany. Statis. Bundesamt. Statis. Ber. III/4/77,7 p. Dec.8,1942. 265 V58

37165 GERMANY. (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Endgültige ernteschätzung der rüben und futtermöhren 1952. Germany. Statis. Bundesamt. Statis. Ber. III/4/85,3 p. Jan.9,1953. 265 V58
Statistics.

37166 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Endgültige ernteschätzung von rauhfutter 1952 nach ländern und grösseren verwaltungsbezirken. Germany. Statis. Bundesamt. Statis. Ber. III/4/82,5 p. Dec.18,1952. 265 V58

37167 GRASHUIS, J., and KOETSVELD, E. E. VAN. The storage of grain feed. (In Dutch.) Nederland. Landb.-Com. Cent. Bur. Meded. 37:11-13. Jan.1953. 12 N287

37168 HELLSTRÖM, N. The total composition of hay. I. Acta Agr. Scand. 2:279-294. Ref. 1952. 11 Ac82

37169 JOHNSON, J. E. Synthetic amino acids in feeds. Feed Bag 29:26,28,30,82. Jan.1953. 389.78 F32

37170 KITZLER, K. Futterbauaktion 1952/53. Landwirtschaft 23/24:360-361. Dec.1952. 19 L235
Austria.

37171 LIPSCOMB, F. W. Le développement de l'industrie des aliments composés aux U.S.A. Indus. de l'Aliment. Anim. 26:11-12. Oct.1952. 389.78 In2

37172 LOUISIANA. DEPT. OF AGRICULTURE AND IMMIGRATION. Analysis of commercial feeds 1950-1951. n.p.,1951. 94 p. 389.9 L93

37173 MARTINČIĆ, M. Industrial preparation and production of livestock feed. (In Serbo-Croatian.) Stočarstvo 6:374-381. Aug.1952. 43.8 St6

37174 MITCHELL, H. L., and SILKER, R. E. Loss of carotene in dehydrated alfalfa during storage. Kans. Acad. Sci. Trans. 55:479-483. Dec.1952. 500 K13T

37175 MITCHELL, H. L., SCHRENK, W. G., and SILKER, R. E. Preparation of carotene concentrates from dehydrated alfalfa meal. Indus. & Engin. Chem. 45:415-417. Feb.1953. 381 J825

37176 NATIONAL HAY ASSOCIATION. 1952 year book and membership directory. n.p.,1952. 117 p. 286 N21

37177 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. Report of analyses of samples of feeding stuffs collected in New York State from January 1 to December 31, 1951, inclusive. N. Y. Dept. Agr. & Mkt. B. 380,122 p. Sept.1952. 2 N482

37178 NORTH CAROLINA. DEPT. OF AGRICULTURE. North Carolina feed report for 1951-1952. N. C. Dept. Agr. B. 129,169 p. Nov.1952. 2 N81B
Analyses.

37179 OLESEN, J. E. Grain and feed. (In Danish.) Andelsbladet 54:15-16. Jan.1,1953. 280.28 An2
Supply and prices.

37180 SCOTTON, M. Feed preparation. (In Italian.) Humus 8(10):31. Oct.1952. 16 H88
Milling.

37181 STOUT, P. R., MONEY, J. W., and WINEBERG, M. P. An evaluation of four feed sampling devices. Cereal Chem. 30:48-54. Jan.1953. 59.8 C33

37182 SYKES, J. D. Unseen tag tells most about feeding results. (Excerpts.) West. Feed & Seed 7(12): 23,40-41. Dec.1952. 389.78 W52

37183 TAPIAS, R. Secado del forraje. Cult. Mod. 35:377-378. Oct.1952. 15 C89

37184 TEXAS. FEED CONTROL SERV. Annual report, 1951-52. Tex. Agr. Expt. Sta. B. 751,148 p. Sept. 1952. 100 T31S

37185 UBBELS, P. Investigation of vitamin preparations and cod liver oil. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:462-464. Dec.1952. 12 N383M
In feed.

37186 U. S. BUR. OF AGRICULTURAL ECONOMICS. Rations fed to milk cows, 1952, by J. L. Wilson and H. M. Walters. Washington,1953. 22 p. 1.941 H8F32
Statistics.

37187 U. S. PRODUCTION AND MARKETING ADMIN. Dairy feed concentrate ration costs, butterfat prices and butterfat-feed price ratios for West North Central States, by months, 1940-52. Washington,1952. 2 p. 1.956 G76D14
Also poultry ration costs and egg prices.

37188 U. S. PRODUCTION AND MARKETING ADMIN. Meat scraps (55 percent protein): average wholesale price per ton, bagged, Buffalo, 1934-35 to date. Washington, 1952. 1 p. 1.956 G76M464

37189 VELDHUIS, M. K. Reduction of organic matter in citrus press liquor by aerated yeast propagation. Fla. Engin. & Indus. Expt. Sta. B. 6(10):24-26. Oct.1952. 290.9 F66
Feed yeast manufacture.

37190 WAITE, R., FENSOM, A., and LOVETT, S. The amino-acid composition of extracted grass-protein. I. The basic acids. J. Sci. Food & Agr. 4:28-33. Ref. Jan.1953. 382 So12

37191 WISCONSIN. DEPT. OF AGRICULTURE. Commercial feeds in Wisconsin--1952. Wis. Dept. Agr. B. 315,86 p. Sept./Oct.1952. 2 W752Bu
Analyses.

FIBERS AND TEXTILES

37192 AHMAD, N. Textile fibres of Pakistan. Brit. Agr. B. 5:306-308. Jan.1953. 10 B776

37193 ALCIDES OCAMPO, J. Mirando el futuro de la industria textil en el Perú. Mensajero Agr. 77:56. Oct./Nov.1952. 9.8 M52

37194 AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS. 1952 technical manual and year book, volume XXVIII. New York,1952. 643 p. 306.9 Am32
Includes fiber identification and insectproofing.

37195 ARTOLA VALDES, A. Nueva y prospera industria cubana. Tierra Libre 16(11):19. Nov.1952. 8 T443
Kenaf.

37196 ASAI, T., and SAITO, H. Microbial degumming of fibers. 8. The action of degumming enzyme of Asp. niger. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:307-310. 1952. 385 Ag8
English summary.

37197 AUSTRALIA. COTTON MARKETING BOARD. Queensland's cotton-growing industry. Austral. To-day 1953:79,81,83. 280.8 Au72

37198 BALLY, W. Cotton production in the chief cotton-growing countries. Ciba Rev. 95:3413-3421. Dec.1952. 306.8 C48

37199 BALLY, W. Cotton trade. Ciba Rev. 95:3423-3425. Ref. Dec.1952. 306.8 C48
Marketing in various countries.

37200 BECKER DE ARLANDIS, I. La ciencia, aplicada a la economia textil holandesa. Textil (ser.2) 106:11-13. Nov.1952. 304.8 T3137

37201 BING, W. Baumwollindustrie am ladentisch; wie man in Frankreich darüber denkt. Textil-Mitt. 7 (155/156):12. Dec.25,1952. 304.8 T3193

37202 BINGHAM, L. Australia tests bag making fibres. Jute & Canvas Rev. 22(290):15. Nov.1952. 73.38 J982

37203 BLÜMCKE, A. Wirtschaftliche bedeutung und aussichten des kenaf. Melliand Textilber. 33:1001-1002. Nov.1952. 304.8 T312
English summary.

37204 BOERGER, A., and TOBLER, F. Calidad de fibra en linos de la Estanzuela. Arch. Fitotéc. del Uruguay 5:111-117. 1952. 102.5 Ur8A
English summary, p. 175.

37205 BOGDANOVA, A. V., VARTANIAN, A. B., and PROKOP'EVA, L. N. Utilization of cotton waste in spinning. (In Russian.) Tekstil'. Promysh. 12(10):7-8. Oct.1952. 304.8 T23

37206 BOÜSSENOT, G. La chute des cours du coton constitue und une menace pour l'économie de l'A.E.F. Marchés Colon. du Monde 9:186. Jan.24,1953. 286.8 M33

37207 BRANDIS, R. Cotton competition—U.S. and Egypt, 1929—1948. South. Econ. J. 19:339-352. Jan. 1953. 280.8 So84
The industry.

37208 BRAY, R. J. Neuere wissenschaftliche entwicklungen auf dem gebiet der wollverarbeitung. Melliand Textilber. 33:1069. (Cont.) Nov.1952. 304.8 T312

37209 BROATCH, J. The International Cotton Conference in retrospect. Textile Wk. 50:1456,1458,1460, 1462,1474,1504,1506,1508. Nov.28-Dec.5,1952. 304.8 T3127

37210 BROATCH, J. The International Cotton Textile Industry Conference, London, Buxton and Manchester, September 17-25, 1952: report. Manchester,Eng.,1952. 16 p. 304.9 G794
Cotton Board Conference, Harrogate, October 17-19, 1952.

37211 BROWN, C. H. Cotton growers and cotton prices. Egypt. Cotton Gaz. 17:35-39. Sept.1952. 72.8 Eg9

37212 BRYAN, L. L. King Cotton makes a comeback. Farmer-Stockman 56(2):10-11,70-71. Feb.1953. 6 Ok45

37213 BURKE, J. H. Changes in Mexico's citrus industry. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 70,127 p. Jan.1953. 1.943 F763

37214 CALAN, P. DE. Un exemple caractéristique des difficultés européennes: l'industrie cotonnière. Soc. Belge d'Etudes et d'Expansion. B. Bimes. 51:879-884 Nov./Dec.1952. 280.8 So17

37215 CALLAO, V., and VELASCO, E. E. Estudios sobre la fermentacion del esparto. III. Microbiol. Españ. 5:39-51. Jan./June 1952. 448.3 M583

37216 CAMPILLI, P. The Italian textile industry. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 7(24):1-3. Dec.16,1952. 287 V662

37217 CANADIAN TEXTILE SEMINAR. Book of papers for the third seminar, Queen's University, Kingston, Ontario, Sept. 11, 12, 13, 1952. Montreal,Textile Tech. Fed. Canada,1952. 138 p. 304.9 C16

37218 CASTRO, R. DE. International cotton panorama. (In Portuguese.) Rev. dos Mercados 3(25):3. Sept.1952. 286.8 R328

37219 CHANG, H. T., and LEW, T. W. Cotton production in Taiwan. Chin.-Amer. Econ. Coop. 1(11):34-39. Nov.1952. 173.2 M98C
Statistical.

37220 CHARNLEY, F. Research in cotton spinning. Textile Wk. 51:81-82,84,86,154,156,217-218,220. Jan.9-23,1953. 304.8 T3127

37221 CLAY, E. E. The care and handling of wool. Edinb. and East Scot. Col. Agr. B. 36:35-37. June 1952. 103 Ed4E
Discussion on wool, p. 39-40.

37222 COKE, C. E. Properties and uses of the newer man-made fibres. Canad. Textile Seminar. Papers 3:94-99. 1952. 304.9 C16

37223 COLEY, J. R. The effect of the degree of polymerization on the serimetric properties of regenerated cellulose fibers. Textile Res. J. 23:34-36. Jan.1953. 304.8 T293

37224 CONSTANDSE, A. J. Transportation, storage and processing of flax and the selection. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden en Aardappelpootgoed. Meded. 9:36-37. Aug.1952. 61.9 N28

37225 COOK, J. M. "Honeydew"—how to detect and control it. Textile Indus. 117(2):149-150,153. Feb.1953. 304.8 C823
Difficulties caused in spinning and processing.

37226 COOPERATIVA ALDODONERA SALVADOREÑA. Memoria de las labores de la institución desde el 10. de noviembre de 1951 hasta el 31 de octubre de 1952. San Salvador,1952. 47 p. 280.2729 C78M

37227 COTTON in Brazil. (In Portuguese.) Rev. dos Mercados 3(25):79-100. Sept.1952. 286.8 R328
Statistics.

37228 COTTON in the State of São Paulo. (In Portuguese.) Rev. dos Mercados 3(25):41-78. Sept.1952. 286.8 R328
Statistics.

37229 COTTON in the textile industry, São Paulo, Brazil, world. (In Portuguese.) Rev. dos Mercados 3 (25):113-124. Sept.1952. 286.8 R328
Statistics.

37230 COTTON in the world. (In Portuguese.) Rev. dos Mercados 3(25):101-111. Sept.1952. 286.8 R328
Statistics.

37231 COUGHLIN, W. E. A survey of the performance and potential of man-made fibers. Natl. Cleaner & Dyer. 44:52,54,58,60,62. Jan.1953. 306.8 N21

37232 CRAVEN, C. J. Provides 'close-up' look at cotton. Tenn. Agr. Expt. Sta. Prog. Rpt. 4:5,9. Oct./Dec. 1952. 100 T25F
Arealometer to measure the fineness of cotton.

37233 DACHTLER, H. Mikroorganismen der menschlichen haut und ihre wirkung auf verschiedene textilfasern. Melliand Textilber. 33:997-1000. Ref. Nov.1952. 304.8 T312

37234 DALFSEN, J. W. VAN, and ALBERTS, J. Raw cotton: variation within bales and within shipments. Textile Res. J. 23:121-122. Feb.1953. 304.8 T293
Staple length.

37235 DANIELS, F. R. Cotton's place in the textile industry. Canad. Textile J. 70(4):25-28. Feb.13,1953. 304.8 C16

37236 DAS, D. B., MITRA, M. K., and WAREHAM, J. F. Fibre from Canna orientalis as a jute substitute. J. Sci. & Indus. Res. 11B:541-543. Ref. Dec.1952. 475 J82

37237 DERTEANO U., C. Problemas económicos de la producción y comercialización del algodón peruano. Vida Agr. [Lima] 29:957,959,961,963,965,967,969-970. Nov.1952. 9.8 V66

37238 DRAPER, A. Trends in spinning and weaving machinery development. Textile Mfr. 79(937):10-13. Jan. 1953. 304.8 T3126

37239 DUNN, R. P. Cotton in the Middle East. Mon. Rpt. Jap. Cotton Spinning Indus. 73:5-8. Jan.1953. 304.9 J27M

37240 DUVAL, A. Quelles ont été les décisions de la conférence internationale cotonnière de Rome. Indus. Textile 787:290-294. June 1952. 304.8 In24

37241 EBERT, M. H. Elaboración de productos de lino. Industria 69:600. Oct.1952. 297.9 So1
Statistics for Chile.

37242 EVANS, R. B. World raw cotton production and consumption. Mon. Rpt. Jap. Cotton Spinning Indus. 73:8-10. Jan.1953. 304.9 J27M

37243 FEIBUS, L. Mexican textile industry. Textile Forum 9(5):31-32. Dec.1952. 304.8 T3191

37244 FIBROLANE—regenerated protein fibre. Brit. Rayon & Silk J. 29(344):55-57. (Cont.) Jan.1953. 304.8 Si3

37245 FOWLER, R. R. Fiber research at Clemson. Bobbin & Beaker 11:8,17. Winter 1952/53. 304.8 B632

37246 FREDERICK, E. R. Corrugated fibrous webs as insulation fillers. Textile Res. J. 23:45-53. Jan.1953. 304.8 T293

37247 FUCHS, V. R. Cotton linters standards—past, present, and future. Washington?U. S. Prod. & Mktg. Admin.,1952. 5 p. 1.956 C82F95
Talk at the Association of Bedding Law Officials, Chicago, Nov. 16-19, 1952.

37248 GANDHI, M. P. Problem of cotton in India. Egypt. Cotton Gaz. 17:9-13. Sept.1952. 72.8 Eg9
Fluctuation of acreage.

37249 GARRARD, W. M. Low grades should be sold at once, middling on 35 advance, Staple Ass'n. advises. Cotton Digest 25(20):34-35. Jan.24,1953. 286.82 C822

37250 GERDES, F. L. Quality evaluations and improvements basic to providing users of American cotton with a better product. Washington,U. S. Prod. & Mktg. Admin.,1952. 18 p. 1.9422 C2G31
Address, Third Canadian Textile Seminar, Queen's University, Kingston, Ontario, Sept. 11-13, 1952.
Ginning and processing.

37251 GERDES, F. L. Quality evaluations and improvements basic to providing users of U.S. cotton with a better product. Canad. Textile Seminar. Papers 3: 9-17. Ref. 1952. 304.9 C16
Ginning and processing.

37252 GOLDBERG, J. B. Textile research achievements of 1952. Fibre & Fabric 106(3421):6-8,10,12,14-18. Jan.10,1953. 304.8 F44
Includes fiber research.

37253 GROOTFONTEIN COLLEGE OF AGRICULTURE. A Merino wool score-card. Farming So. Africa 27:457-460. Oct.1952. 24 So842

37254 GRUNSTEIDL, E. Das bastfaser-aufbereitungsverfahren nach Ing. Moog. Österr. Faserforschinst. Mitt. 2:1-2. Aug.1952. 304.9 V67

37255 GRUNSTEIDL, E., and HOFBAUER, G. Zur kenntnis der veränderung des kieselsäuregehaltes von hanf während der verarbeitung. Österr. Faserforschinst. Mitt. 2:4-6. Aug.1952. 304.9 V67

37256 GUGLIELMINO, E. Die neuen fasern und das güteproblem. Reyon, Zellwolle u. Andere Chemfasern. 12:631. Dec.1952. 304.8 J45

37257 GYLLENBERG, H. H. G. Studies of associative populations in the breakdown of cellulose. Acta Agr. Scand. 2:183-196. Ref. 1952. 11 Ac82
Cotton and wood cellulose.

37258 HARRER, A. Visites d'usines de l'industrie française du jute. Indus. Textile 787:301-303. June 1952. 304.8 In24

37259 HELLIWELL, E. H. Use this report to check your opening and picking. Textile World 103(2):143,196, 199-200. Feb.1953. 304.8 T315
Cotton.

37260 HEMMERICH, W. Ist wolle unersetzlich? Verbraucher 6:584. Nov.22,1952. 280.28 K833
The German wool industry.

37261 HEREDIA H., H. El caso del algodón en la selva; necesidad de un plan técnico de fomento a la producción agropecuaria para nuestro Oriente. Peru. Dir. Gen. de Com. Inform. Com. 3(26):6-8. Feb.1952. 286.9 P432
Peru.

37262 HERZOG, A. Ursachen der natürlichen färbung tierischer und pflanzlicher faserstoffe. Melliand Textilber. 33:1073-1076. Dec.1952. 304.8 T312
English summary.

37263 HIROKAWA, K. Rayon blending with cotton. (In Japanese.) Japan Synthetic Textile Mon. 5(3):17-20. (Concl.) Mar.1952. 304.8 J27

37264 HUBERT, J. Geländegängige pflanzenentfaserungsmaschinen. Melliand Textilber. 33:1085-1087. Dec.1952. 304.8 T312
English summary.

37265 HUBERT, J. Hubert cross-country fibre extracting machines. Melliand Textilber. 33:222,224. Feb.1952. 304.8 T312

37266 IMRE, B. Mechanization of hemp retting used in the southern Hungarian bast fiber processing plants. (In Hungarian.) Magyar Textiltech. 12:362-364. Dec. 1952. 304.8 M27

37267 INOUE, K. Unreserved talks of cotton industry. VII. (In Japanese.) Mon. Rpt. Jap. Cotton Spinning Indus. 69:38-41. Sept.1952. 304.9 J27M

37268 IWANOW, N., and MEYBECK, J. Nouvelle technique pour l'étude de la structure intime des fibres de viscose. Inst. Textile de France. B. 35:51-73. Ref. Oct.1952. 304.8 T3145
English summary.

37269 KHAN, S. M. Cotton's role in economy. Cotton & Textiles J. 2(3):8-10. Feb.1952. 304.8 C825

37270 KLENK, H. Unsachgemässe lagerung von textilien und ihre folgen.—ein bildbericht. Textil-Praxis 7:891-895. Ref. Nov.1952. 304.8 T3143
Molds and insect pests.

37271 KNOCH, R. E. What's new in textiles. W. Va. Agr. Col. Ext. Good Living Ser. 20(3),6 p. n.d. 275.29 W522G

37272 KROESE, W. T. Die baumwollindustrie Westeuropas; um die zukunft des welt-baumwollwarenmarktes. Textil-Mitt. 7(157):6-8. Dec.30,1952. 304.8 T3193

37273 LAROSE, P. The sorption of hydrogen chloride by wool. Textile Res. J. 23:91-99. Ref. Feb.1953. 304.8 T293

37274 LARROSA BOREAN, J. R. Importancia del laboratorio en el conocimiento y mejora de la lana. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(446):4. Dec.18,1952. 9.9 G15B

37275 LEVEAU, M., DERMINOT, J., and PARISOT, A. Architecture de la fibre de laine. Inst. Textile de France. B. 35:9-24. Ref. Oct.1952. 304.8 T3145
English summary.

37276 LINDBERG, J. Relationship between various surface properties of wool fibers. I. Methods for estimating wool fiber modification. Textile Res. J. 23:67-76. Ref. Feb.1953. 304.8 T293

37277 LUND, G. V., and SNEYD, H. Die verarbeitung von mischungen zellwolle/wolle auf baumwollspinnmaschinen. Reyon, Zellwolle u. Andere Chemfasern. 12: 648-649. Dec.1952. 304.8 J45

37278 MCLAREN, F. N. Oils for the textile industries; machine lubricants and process oils. Textile Wk. 50:1598,1600,1602. (Concl.) Dec.12,1952. 304.8 T3127
Wool and cotton lubricants.

37279 MACMILLAN, W. G., and GUPTA, A. B. S. Observation on the acidic properties of jute fibre. Indian Chem. Soc. J. 29:737-746. Oct.1952. 385 In27

37280 MAFERA, F. The textile industry in the latest census. (In Italian.) Mondo Tessile 7:293-294. Aug.1952. 304.8 M742

37281 MANN, M. G. Cotton's place in our economy. Tarheel Banker 31(8):5,7. Feb.1953. 284.8 T17

37282 MATEȚSKIĬ, A. I. Ways of changing the structure of wool keratin and properties of wool fibers. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khoziîaĭstve, p.174-181. Moskva,1952. 387.1 Ak12

37283 MERCER, E. H., and GOLDEN, R. L. A new method of producing the Allwörden reaction. Textile Res. J. 23:43-44. Jan.1953. 304.8 T293
In wool fiber.

37284 MIROSHNICHENKO, G. Ways to decrease the discharge of air in removing [cotton] fiber and fluff. (In Russian.) Khlopkovodstvo 10:70-73. Oct.1952. 72.8 K522

37285 MOORE, W. R. The moisture regain of textile fibres. Textile Rec. 70(838):66-68. Jan.1953. 304.8 T311

37286 MOORE, W. R. The moisture regain of textile fibres. Textile Rec. 70(839):77-78. Ref. Feb.1953. 304.8 T311

37287 MÜLLER, K. Streichgarnspinnerei. 4. Wolfen und schmälzen der wolle. Melliand Textilber. 33:1005-1008. Nov.1952. 304.8 T312

37288 MÜLLER, K. Die streichgarnspinnerei—5. Krempeln und vorspinnen. Melliand Textilber. 33:1087-1091. Dec.1952. 304.8 T312
Wool.

37289 MURCHISON, C. T. The American cotton textile industry recovers slowly from depression. Mon. Rpt. Jap. Cotton Spinning Indus. 73:13-15. Jan.1953. 304.9 J27M

37290 MYTTENAERE, G. DE. La recherche scientifique dans l'industrie textile. Monit. Textile 14(11):13, 15-16. Nov.1952. 304.8 M74

37291 NAKAZAWA, M. Review of raw silk reeling industry in 1952. Silk Digest 75:2-3. Dec.1952. 304.8 Si33
Japan.

37292 NATIONAL COTTON COUNCIL. Cotton in the Middle East, by R. P. Dunn. Memphis,1952. 187 p. Ref. 72 N217Cm

37293 NEW YORK COTTON EXCHANGE. Directory, New York,1952. 61 p. 287 N488D

37294 OCAMPO, J. A. Mirando el futuro de la industria textil en el Perú. Peru. Dir. Gen. de Com. Inform. Com. 3(33):7-8. Sept.1952. 286.9 P432

37295 OKAMURA, I. For newer fibers, newer spinning machines. Teijin Times 22(10):7-8. Oct.1952. 304.8 T232

37296 OKAMURA, I. Prelude to fibre blends. Teijin Times 22(12):4-5. Dec.1952. 304.8 T232

37297 PAGE, E. J. The fractionation of cellulose. Textile Res. J. 23:28-33. Ref. Jan.1953. 304.8 T293
In fibers.

37298 PALMER, W. M. Measurement of yarn evenness. Canad. Textile Seminar. Papers 3:27-29. 1952. 304.9 C16

37299 PANNELLI, C. Hemp, national textile resource. (In Italian.) Mondo Tessile 7:219-222. June 1952. 304.8 M742
Italy.

37300 PEDOTE, L. Spinning in the Italian cotton industry. (In Italian.) Mondo Tessile 7:374-378. Sept. 1952. 304.8 M742
Equipment.

37301 PINTE, C., ESSERTEL, and ROCHAS, P. DE. L'encollage des rayonnes en solution d'huile de lin. Inst. Textile de France. B. 35:25-49. (Cont.) Oct.1952. 304.8 T3145
English summary.

37302 PRESTON, J. M., and NIMKAR, M. V. Freezing point lowering and solubility curves of cellulose fibers. Textile Res. J. 23:119-120. Feb.1953. 304.8 T293

37303 PRESTON, J. M., and NIMKAR, M. V. Moisture gradients in centrifuged samples. Textile Res. J. 23:64-65. Ref. Jan.1953. 304.8 T293
Fibers.

37304 PUIG, J. B. Alcance de la renovación de nuestra industria textil. Trab. Nac. 1599:949-950. Nov.1952. 280.8 T672
Spain.

37305 REMACHA, F. Algodón en China. Textil (ser.2)106:28-29. Nov.1952. 304.8 T3137
The industry.

37306 ROY, J. I. Optimism in the cotton trade. Canad. Textile J. 70(2):27. Jan.16,1953. 304.8 C16

37307 SAIGOL, R. The textile industry in Pakistan. Bobbin & Beaker 11:9,19. Winter 1952/53. 304.8 B632

37308 SANG, L. W. The cotton textile industry in Hong Kong. Egypt. Cotton Gaz. 17:3-7. Sept.1952. 72.8 Eg9

37309 SANT'AMBROGIO, L. Consumption of textiles in Italy. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statis. 5(9):5-13. Sept.1952. 280.9 M587B

37310 SAXL, V. French system lends itself to modern worsted spinning. Textile Forum 9(5):21-25,48. Dec.1952. 304.8 T3191

37311 SAXL, V. Spinning of wool and blends. Textile J. Austral. 27:969-970,974,978. Nov.20,1952. 304.8 T3134
Equipment.

37312 SEKINE, K. Review of sericulture in 1952. Silk Digest 75:2,4-5. Dec.1952. 304.8 Si33
Japan.

37313 SHONFIELD, A. The recession in textiles. Manchester,Eng.,1952. 15 p. 304.9 G794
Cotton Board Conference, Harrogate, October 17-19, 1952.

37314 SHRECK, F. J. Installing and maintaining cotton gin Diesels. Cotton Gin & Oil Mill Press 54(4):20, 44. Feb.14,1953. 304.8 C822

37315 SIDDIQI, A. I. Review of the cotton year 1951-52. Pakistan Cotton B. 1:16-21. Sept.1952. 72.8 P17

37316 SMITH, H. G. The textile industry in 1953. Canad. Textile J. 70(2):26. Jan.16,1953. 304.8 C16

37317 SOFUE, K. Dissolving wood pulp—especially on ester pulp. (In Japanese.) Japan Synthetic Textile Mon. 5(3):12-16. Mar.1952. 304.8 J27

37318 SOMANI, G. D. The textile industry. Output 6:18-19. Aug./Oct.1952. 286.8 Ou8
India.

37319 SOUTH AFRICAN WOOL BOARD. Annual report for the period July 1, 1951, to June 30, 1952. Wolboer 6(5,sup.),16 p. Dec.1952. 45.8 W83

37320 SOUTH AFRICAN WOOL BOARD. Statistical data; details total production of all types of wool according to areas linking up with our wool map, season 1951-1952. n.p.,1952. 5 p. 281.3459 So83

37321 SOUZA, J. S. I. DE. What's happening to Brazilian cotton? (In Portuguese.) Chacaras e Quintais 86:852. Dec.15,1952. 9.2 C34

37322 SPEAKMAN, J. B. Significance of wool plasticity. Textile J. Austral. 27:858-859. Oct.20, 1952. 304.8 T3134

37323 TAKAHASHI, N., and ASAEDA, T. Étude par microscopie électronique du phénomène de polissage mécanique au cours de la fabrication de la soie artificielle. Inst. Textile de France. B. 35:75-82. Oct.1952. 304.8 T3145
English summary.

37324 TEXTILE RESEARCH INSTITUTE. Annual report fiscal year 1951-1952. n.p.,1952. 48 p. 304.9 T313A

37325 THIEBAUT, R. La filature centrifuge du lin au mouillé. Indus. Textile 787:307-311. June 1952. 304.8 In24
Equipment.

37326 THIEME, G. Gewinnung von pelzwolle. Melliand Textilber. 33:1003-1005. Nov.1952. 304.8 T312
English summary.

37327 TIMONIN, M. A. New method of evaluating hemp staple. (In Russian.) Tekstil'. Promysh. 12(10):27-28. Oct.1952. 304.8 T23

37328 TORRES, M. J. DE M. Cotton culture in the Moçâmedes district during the American Civil War and in the Reconstruction Period. (In Portuguese.) Portugal. Agência Geral do Ultramar. B. Geral do Ultramar 28 (328):15-58. Oct.1952. 264 Ag3

37329 TOY, F. C. Shirley Institute; some achievements and aspirations. Textile Wk. 50:1499-1500,1502. (Concl.) Dec.5,1952. 304.8 T3127

37330 TREIBER, E., and LANG, W. Lichtabsorption von zellulosederivaten. II. Melliand Textilber. 33:1021-1024. Ref. Nov.1952. 304.8 T312
English summary.
Cellulose fibers.

37331 TSUNODA, K. Future of rayon industry in India. (In Japanese.) Japan Synthetic Textile Mon. 5(10): 13-15. Oct.1952. 304.8 J27

37332 U. S. BUR. OF AGRICULTURAL ECONOMICS. Opinions of homemakers regarding fibers in selected items of household furnishings. U. S. D. A. Mktg. Res. Rpt. 26,103 p. Ref. Nov.1952. 1 Ag84Mr

37333 U. S. BUR. OF AGRICULTURAL ECONOMICS. Shorn wool production, 1952. Porland,Oreg.,1952. 2 p. 1.9 Ec742Woo
Similar report issued from Austin.

37334 U. S. MUTUAL SECURITY AGENCY. PROGRAM OFF. Progress of Taiwan's textile industry. Chin.-Amer. Econ. Coop. 1(11):80-86. Nov.1952. 173.2 M98C

37335 U. S. PRODUCTION AND MARKETING ADMIN. Cotton supplies and price support. Washington,1952. 15 p. 1.956 A2C82

37336 U. S. PRODUCTION AND MARKETING ADMIN. Facts about cotton. U. S. D. A. L. 167,rev.,8 p. 1952. 1 Ag84L
Includes marketing, manufacturing and uses of cotton and cottonseed.

37337 U. S. PRODUCTION AND MARKETING ADMIN. Fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1952 (supplement No. 4). Washington,1952. 11 p. 1.9422 C8R3

37338 VAN WYK, C. M. Quality is important in Merino wool. Farming So. Africa 27:476,482. Oct.1952. 24 So842

37339 VIVIANI, E. Die physikalischen eigenschaften der garne. Reyon, Zellwolle u. Andere Chemfasern.30: 584-591. Nov.1952. 304.8 J45

37340 VIVIANI, E. Les propriétés physiques des fils à brins continus et des filés à fibres courtes de même matière. Rayonne et Fibres Synthétiques 8(11): 15,17,19,21,23,25,27-30. Nov.15,1952. 304.8 R214

37341 VOGEL, D. S. Review of the South African wool market. Merino Breeders' J. 15:18,67. Jan.1953. 45.8 So8
Prices.

37342 VOLLENBRUCK, H. Der verlauf des faserabbaues beim waschen. II. Melliand Textilber. 33:1105-1107. Dec.1952. 304.8 T312

37343 WAKELIN, J. H., EVANS, T. F., and BURTE, H. M. Problems in the variability of wool encountered in worsted processing. Canad. Textile Seminar. Papers 3:129-134. 1952. 304.9 C16

37344 WALKER, R. Classification and uses of wool waste. Textile J. Austral. 27:986-987. (Cont.) Nov.20,1952. 304.8 T3134

37345 WARREN, F. E. Do we need domestic wool industry? Wyo. Wool Grower 26(11),i.e.9(32):7. Jan.1, 1953. 280.38 W99

37346 WEATHERBURN, A. S. The sorption of surface active compounds by textile fibres. Canad. Textile Seminar. Paper 3:36-39. 1952. 304.9 C16

37347 WEGENER, W. Neuerungen auf der Technischen Messe Hannover 1952 auf dem gebiete der spinnereimaschinen. Textil-Praxis 7:941-948. Dec.1952. 304.8 T3143

37348 WEIBEL, J. Modern methods of processing cotton. Ciba Rev. 95:3426-3431. Dec.1952. 306.8 C48

37349 WHITAKER, C. H. The production of abacá in Panama. (In Portuguese.) Fazenda 47(12):32-33,61. Dec.1952. 6 H11P
The industry.

37350 WIESNER, G. Über die unterscheidungsmöglichkeiten von textilfasern mit hilfe der fluochromierung. Österr. Faserforschinst. Mitt. 2:2-4. Aug.1952. 304.9 V67

37351 WILSON, J. B. Synthetic fibre claims called deceptive. Fibre & Fabric 105(3420):12-13. Dec.27, 1952. 304.8 F44
Wool properties.

37352 WILSON, L. Wool promotion in New Zealand; functions of Wool Board reconsidered. Massey Agr. Col. Sheepfarming Annu. 15:67-71,73-75,77-79,81-83,85. Nov. 1952. 45.9 M38S
Includes discussion.

37353 WISCONSIN COOPERATIVE WOOL GROWERS' ASSOCIATION. Manager's annual report. Wis. Coop. Wool Growers News 18(6):4-9. Jan.1953. 280.28 W882

37354 WISHART, C. H. Blazing a trail with carpet rayon fibre. Canad. Textile Seminar. Papers 3:87-89. 1952. 304.9 C16

37355 YOSHIDA, S. Review of raw silk industry in 1952. Silk Digest 75:1. Dec.1952. 304.8 S133

37356 ZAHN, H. Chemie und feinbau der textilfasern. Chem.-Ztg. 77:8-12. (Cont.) Jan.10,1953. 384 C427
English summary.

37357 ZAHN, H. Neuere erkenntnisse über feinbau und chemie der naturseide. Melliand Textilber. 33:1076-1084. Ref. Dec.1952. 304.8 T312
English summary.
Includes discussion.

FRUITS, VEGETABLES, AND NUTS

37358 ABBISS, H. W. Broccoli production and marketing in the St. Malo area. Com. Grower 2974: 1203-1204. Dec.25,1952. 80 F941

37359 ACENA, B. The status and future of the Philippine cassava industry. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(11):3-14. Nov.1952. 25 P544P

37360 ARANGO URIBE, E. Historia del fomento del cultivo de la papa en el Departamento de Antioquia. Soc. Antioqueña de Agr. B. Agr. 391:3703-3710. Nov. 1952. 9.4 So1

37361 AUSTRALIA. APPLE AND PEAR BOARD. Sixth annual report for period ended 30th June, 1952. Melbourne,1952. 9 p. 286.3939 Au72

37362 BARROS, H. DE, and RODRIGUES, R. V. Sur la production et le commerce des fruits au Portugal. Fruits 7:542-548. Dec.1952. 80 F9492

37363 BEATTIE, W. J. Pineapple production in Nth. Qld. Queensland Fruit & Veg. News 2(52):10-11. Nov. 7,1952. 280.38 Q3
The industry.

37364 BERISTAIN, B. La campaña 1952-53 y sus perspectivas. Semana Vitivinic. 7(335/336):20-22. Nov.29/Dec.6,1952. 95.8 Se5
Spain.

37365 BODMAN, J. Wie kann der badische obstbau im wettbewerb bleiben? Landwirt 1953:70-72. 18 L2342
Policy for the fruit industry.

37366 BOUDEWIJN, C. Dutch fruit culture and N.F.O. [Netherlands Fruit Growers Organization] in 1952. (In Dutch.) Fruitteelt 42:938-939. Christmas 1952. 86 N28

37367 BOVARD, P. Vendanges 1952. Feuille d'Inform. Vitic. et Arbor. de Tunisie 30:10-11. Nov.1952. 80 F433

37368 CALABUIG Y CALABUIG, J. Exaltación de la fruta. Ceres [Valladolid] 17(198):26-27. Dec.1,1952. 15 C33

37369 CLERICI, E. Economic outlook for the tomato products industry. (In Italian.) Assoc. Ital. Indus. Prod. Aliment. B. 6:194-213. Oct./Nov.1952. 389.9 As75
Italy.

37370 CLERICI, E. Economic outlook for the tomato products industry. (In Italian.) Conserve Aliment. Veg. 7:154-161. Sept.30,1952. 389.8 C769

37371 DOANE AGRICULTURAL SERV. What's ahead for beans and dairy products? Farm Mangt. 2(3): 24-25. Feb.1953. 281.8 F2225

37372 FEAY, E. Kern County [California] potato planting completed. West. Grower & Shipper 24(3):22, 24. Feb.1953. 280.38 W52
Acreage and outlook.

37373 THE FLORIDA fruit and vegetable directory, season 1952-1953. Jacksonville,1953. 234 p. 225 F662

37374 FONTANET, J. V. La cosecha de uva del presente año y otras cosas. Semana Vitivinic. 7(339): 6-7. (Concl.) Dec.27,1952. 95.8 Se5
Spain.

37375 FROMAGEOT, L. Les vignobles icaunais de 1850 à nos jours. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-Vie. B. 43:1-6. Oct. 1952. 390.9 F843

37376 GREGORY, H. C. Vegetable production in England and Wales. Seed Trade Rev. 4:377,379,381-382. Dec.1952. 61.8 Se32

37377 HAFFERT, W. A. Let's not "bootleg" tomatoes but grow more! N. J. Farm & Gard. 24(2):24-25,81. Feb. 1953. 6 G162
The tomato industry and canner-farmer relations.

37378 HENNING, C. B. Grapes, production and varieties at present and in the future. (In Afrikaans.) Landbouweekblad 34(1741):29-31. Nov.26,1952. 24 L232
Union of South Africa.

37379 HINDMARSH, R. G. You can contract now for 1954 seed potatoes. East. States Coop. 29(2):16-17. Feb.1953. 280.28 Ea7

37380 LEINGRUBER. Wird der süddeutsche obstbau "überfahren?" Bauern-Ztg. 6:7. (Concl.) Jan.9,1953. 18 B324

37381 LUNA ERCILLA, C. A. El anana o piña. Bolsa de Com. Rosario. Rev. 40(982):3-5. Dec.15,1952. 287 R71
The industry.

37382 LUNA ERCILLA, C. A. El anana o piña. Pampa Argentina 25(259,i.e.299):8-9. Nov.1952. 9 P19
The industry.

37383 LUOTONEN, A. Market gardening in our country's industry. (In Swedish.) Lant-Arbetsgivaren 6: 10-14. 1952. 20 L292
Finland.

37384 MERCURI. S. From chestnuts, a suggestive beauty and a precious resource. (In Italian.) Agricoltura 1(11):29-33. Nov 1952. 16 Ag8226
English summary.

37385 MULDER, G. After the rebuilding of the fruit industry. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit, Christmas 1952:38-39. 286.28 V22

37386 NICOLAISEN, W. Zeitnahe fragen des deutschen gemüsebaues. Übersicht 3(11):32-36. Nov.1952. 18 Ub3
The industry.

37387 OLIVA, A. El desarrollo industrial de nuestra vitivinicultura. Vinos, Viñas y Frutas 48:263. Dec.1952. 9 Ag89
Argentina.

37388 PAVESI, R. "Nationally produced" potatoes in the fertile land of Holland. (In Italian.) Agricoltura 1(12):61-64. Dec.1952. 16 Ag8226

37389 PETITPIERRE, A. L'abricot en Californie. Colon Franç. de Tunisie (ser.7)45(2253):1,3. Dec.20, 1952. 24 C712
The industry.

37390 PINTO, R. W. Babasu: la nuez maravillosa del Brasil. Hacienda 47(12):36-37. Dec.1952. 6 H11

37391 PULGAR VIDAL, J., and ABAD S., I. L. Marañon o merey (Anacardium occidentale, L.). Agr. Trop. 8(11):11-15. Nov.1952. 26 Ag8
The industry.

37392 PYNAERT, L. Au sujet du manioc. Rev. Internatl. des Prod. Colon. 27:219,221,223-224. Dec.1952. 286.8 R326
The industry.

37393 V JORNADAS citrícolas argentinas. Argentina. Dir. Gen. de Invest. Agr. IDIA 5(58):19-21. Oct. 1952. 9 Id3

37394 REIMANN, G. Frischer wind um limonade. Obstbau 72:5-6. Jan.1,1953. 80 Ob73
Situation and outlook.

37395 REMPT, J. D. Banana culture in Australia; a cooperatively organized and profitable industry. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 6(47):7. Nov.28,1952. 286.28 V22

37396 REMPT, J. D. Rapid growth of Australian orange production. (In Dutch.) Vakblad 7(2):4. Jan.9, 1953. 286.28 V22

37397 ROS DE RAMIS, J. DE. Un cultivo de exportación: la lechuga. Agricultura [Madrid] 21:675-678. Dec.1952. 15 Ag84
The industry in Spain.

37398 RUNGE, M. Die entwicklung unseres erwerbsgemüsebaues. Bad. Landwirt. Wchnbl. 120:38-39. Jan.3,1953. 18 B142

37399 SANT, G. F. VAN 'T. Can fruit growing in the Vijfheerenlanden make good in the future? (In Dutch.) Betuws Tuinbouwbl. 10(21):5-6. Jan.3,1953. 80 B464

37400 SANT, G. F. VAN 'T. The problem of the old orchards in the Vijfheerenlanden. (In Dutch.) Betuws Tuinbouwbl. 10(20):5-6. Dec.20,1952. 80 B464

37401 SCHARDEY, A. Rückblick und vorschau zur kartoffelversorgung. Kartoffelwirtschaft 6:3-5. Jan.2, 1953. 286.83 K14
Germany.

37402 SCHREIBER, W. R. Mediterranean Basin almond production short of forecast. Calif. Fruit News 127(3370):5. Feb.7,1953. 80 C12

37403 SECRETAIN, F. Algerien wird sich den deutschen markt zurückerobern. Früchte u. Gemüse Markt 4:1810,1812-1813,1827. Dec.12,1952. 286.83 F9425
Production and trade in fruit and vegetables.

37404 SPIRO, P. Jus de raisin et crise viticole. Viticult. Nouvelle 5(56):8-9. Dec.1952. 390.8 V832
Switzerland.

37405 SUSSMANN, W. Spanisches aprikosenpulp. Obst u. Gemüse 4:1267. Dec.8,1952. 286.83 Ob72
The industry.

37406 VARELA MARTINEZ, R. Plan para establecer una empresa industrial de frutales y productos citreos. Soc. Antioqueña de Agr. B. Agr. 391:3715-3720. Nov.1952 9.4 So1
Colombia.

37407 VICORA, R. Agricultores de tercera clase y fabricantes cabezas de turco. Semana Vitivinic. 7(335/336):6-7. Nov.39/Dec.6,1952. 95.8 Se5
Situation and outlook of grape and wine industry in Spain.

Analysis and Composition

37408 ARVIDSSON, M., and SCHILLER-MEIER, I. A kinetic study of the removal of methyl groups from beet pectin. Socker 8:33-37. 1952. 65.8 So1

37409 ASENJO, C. F. Composición química de los principales frutos de Las Antillas. Rev. de Agr. P. R. 43:282-288. Ref. Jan./June 1952. 8 R325

37410 CASIMIR, J., and JAKOVLIV, G. Étude des acides aminés dans les fruits surgelés, les conserves de fruits et les confitures. Indus. Agr. et Aliment. 69: 787-790. Nov.1952. 383 As7

37411 DOESBURG, J. J. Behaviour of pectins in stored frozen fruits. Internatl. Cong. Refrig. Proc. 8: 548-551. 1951. 295.9 In82

37412 HEISS, R. Changes occurring in frozen fruits and vegetables. Internatl. Cong. Refrig. Proc. 8:369-372. 1951. 295.9 In82

37413 LONGREE, K. Factors affecting the determination of surface color of peeled potatoes. Amer. Potato J. 29:273-278. Nov.1952. 75.8 P842

37414 MCCOLLOCH, R. J. Determination of pectic substances and pectic enzymes in citrus and tomato products. U. S. Bur. Agr. & Indus. Chem. AIC-337,13 p. Ref. June 1952. 1.932 A2Ag82

37415 MISEKOW, R. W., and FABIAN, F. W. Pectolytic enzymes of garlic. Food Res. 18:1-5. Jan./Feb. 1953. 389.8 F7322

37416 MURDOCK, D. I., TROY, V. S., and FOLINAZZO, J. F. Thermal resistance of lactic acid bacteria and yeast in orange juice and concentrate. Food Res. 18: 85-89. Jan./Feb.1953. 389.8 F7322

37417 NAKAMURA, M. Phosphorylase of sweet potato. (In Japanese.) Agr. Chem. Soc. Japan. J. 25: 413-417. Ref. 1952. 385 Ag8
English summary.

37418 NORTJE, B. K., and VAUGHN, R. H. The pectolytic activity of species of the genus Bacillus: qualitative studies with Bacillus subtilis and Bacillus pumilus in relation to the softening of olives and pickles. Food Res. 18:57-69. Ref. Jan./Feb.1953. 389.8 F7322

37419 OHNO, T. The bitter substance, produced in black-rotten sweet potato. II. On the constitution of ipomoeamarone. 1. Chem. Soc. Japan. B. 25:222-225. June 1952. 385 T57B

37420 PATTERSON, R. A. Pressure test simplifies condition control of winter pears. Appleland News, Dec. 1952:10-11. 80 Ap53

37421 SMIRNOVA-IKONNIKOVA, M. I. Analysis of plant legume resources to determine quantity and quality of protein. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khoziaĭstve, p. 334-351. Moskva, 1952. 387.1 Ak12

37422 ULMANN, M. Zur kenntnis der amylose der 'kartoffelstärke (chromatographische untersuchungen). Makromolekulare Chem. 9:76-95. Dec.1952. 384 M28
English summary.

37423 UNDERWOOD, J. C., and ROCKLAND, L. B. Nitrogenous constituents in citrus fruits. I. Food Res. 18:17-29. Ref. Jan./Feb.1953. 389.8 F7322

Consumption and Utilization

37424 COLVIN, E. M. How do you like your peaches? Agr. Situation [Washington] 37:9-10. Jan.1953. 1 Ec7Ag
Consumer demand for firm-ripe peaches.

37425 CRUESS, W. V., and MUSCO, D. Date products investigations. Date Growers' Inst. Rpt. 29:5-8. 1952. 81 D26
Utilization.

37426 KALER, L. B., and others. Utilization of seeds and protein of slightly alkaloid lupine for food. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khoziaĭstve, p.254-261. Ref. Moskva, 1952. 387.1 Ak12
É. G. Shindler, Z. S. Maliîavko, and E. I. Rytova, joint authors.

37427 SHAY, F. M. Europeans make much more use of fruit than we do. Sunsweet Standard 36(7):4. Dec. 1952. 286.83 Su7

37428 WEISSENBORN, K. Obstessig eine wichtige verwertung für industrieobst. Obstbauversring. Mitt. 7: 241-243. Dec.1952. 85 J76

Distribution, Marketing, and Transportation

37429 BERTHAULT, P. Le probléme viticole. Rev. Agr. de l'Afrique du Nord 50:960-962. Dec.26,1952. 80 R326
Marketing.

37430 BRYCE, J. H. Walnuts; a marketing program in a dynamic industry. West. Fruit Grower 7:17-18. Jan.1953. 95.8 G762

37431 CARNE, W. M., and WALSH, J. C. The sea transport of pears and apples from Australia and New Zealand. Internatl. Cong. Refrig. Proc. 8:639-643. 1951. 295.9 In82
Includes discussion.

37432 COMMITTEE OF DIRECTION OF FRUIT MARKETING. C.O.D. annual report 1951-52. Queensland Fruit & Veg. News 2(50):2-3; (51):17-21. (Cont.) Oct.24-31,1952. 280.38 Q3

37433 COMMITTEE OF DIRECTION OF FRUIT MARKETING. C.O.D. annual report 1951-52. Queensland Fruit & Veg. News 2(53):18-19. (Concl.) Nov.14, 1952. 280 38 Q3
Includes work of the Vegetable Section.

37434 CONIX, A. The sale of our fruit in the coming year. (In Flemish.) Tuinbouwberichten 16:177-179. (Cont.) Dec.15,1952. 80 T817
Belgium.

37435 DEVE, F. Ce qu'il faut connaître du problème bananier; le froid y joue un role essentiel. Rev. Prat. du Froid 8(3):42-45. Dec.1952. 295.8 R323
Transportation.

37436 DOLVEN, A. Increased supply of vegetables last season. (In Norwegain.) Gartneryrket 42:887-888. Dec.30,1952. 80 G1938
Marketing.

37437 DOMBRE, F. Transport des bananes par navires spécialisés entre les ports de la côte occidentale d'Afrique et le Bassin Méditerranéen. Internatl. Cong. Refrig. Proc. 8:643-647. 1951. 295.9 In82
Includes discussion.

37438 ETTINGER, Y. Vegetable marketing, 1951-52. (In Hebrew.) Hassadeh 33:90-91. Nov.1952. 26 H27

37439 GELDER, E. VAN. Dealers are philosophers. (In Dutch.) Vakbl. v. de Groothandel in Aardappelen, Groenten en Fruit 6(47):9. Nov.28,1952. 286.28 V22
Fruit and vegetable marketing in the Netherlands.

37440 GROOT, A. How do the foreign fruit growers sell their fruit? (In Dutch.) Fruitteelt 42:944-947. Christmas 1952. 86 N28

37441 HALL, C. R. Marketing New Mexico vegetables. N. Mex. Agr. Expt. Sta. Press B. 1075,26 p. Dec. 1952. 100 N465

37442 HALLER, M. H. Handling, transportation, storage, and marketing of peaches; a digest of recent contributions to the knowledge of physical and biological phases of the subject. U. S. D. A. Bibliog. B. 41,105 p. Ref., p.92-105. Dec.1952. 1 Ag84Bi

37443 HOFFMAN, W. Unloading charges on fresh fruits at New York are unjustified. West. Fruit Grower 7:23-24. Jan.1953. 95.8 G762

37444 KAPPLER, E. Frostschäden; eine entscheidung des ehem. obersten schiedsgerichtes der kartoffelwirtschaft. Kartoffelwirtschaft 5:502-503. Dec.19,1952. 286.83 K14
Germany.

37445 KLUGE, T. O. Only through cooperative can producers build own market. Sunsweet Standard 36(8): 4,14. Jan.1953. 286.83 Su7
Dried fruit.

37446 KOCH, E. Täglich sich bewähren. Obst u. Gemüse 4:1182-1183. Nov.27,1952. 286.83 Ob72
Fruit and vegetable marketing in Germany.

37447 MØLLER, A. A little on the many problems. (In Danish.) Erhvervsfrugtavleren 19:78-80. Jan.1,1953. 80 Er3
Chiefly on marketing of apples.

37448 NORMAND, M. La distribution des fruits et légumes. Coopération 22:15-16. Nov.1952. 280.28 C7845
France.

37449 ØYEN, K. Standardization of pallets. (In Norwegian.) Gartneryrket 42:890,896; 43:6-8,10. Dec.30, 1952-Jan.5,1953. 80 G1938
For fruit.

37450 PALMIERI, D. Transports expérimentaux de fruits et légumes par wagons isothermes et réfrigérants. Internatl. Cong. Refrig. Proc. 8:666-668. 1951. 295.9 In82
Includes discussion.

37451 PAULI, H., and HOECKER, R. W. Fewer shelf rows; more sales. Mktg. Activ. 15(12):13-15. Dec.1952. 1.942 A8M34
Canned fruit and vegetables.

37452 PLASSE, J. J. V. D. The Christmas auctions 1952. (In Dutch.) Betuws Tuinbouwbl. 10(21):6-7. Jan.3, 1953. 80 B464
Fruit.

37453 QUINN, O. B., and BAKER, C. K. Marketing strawberries through the Louisiana Fruit and Vegetable Producers' Union, Local 312, in 1952. La. Agr. Expt. Sta. Mimeog. C. 141,14 p. Aug.1952. 100 L935

37454 RADA, E. L. Mainland market for taro products. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 13,16 p. Ref. Dec.1952. 275.29 H312Ae
A preliminary study.

37455 SANTA PAULA CITRUS FRUIT ASSOCIATION. Forty-sixth annual report. Santa Paula, 1952. 11 p. 280.2939 Sa5

37456 SCOVILLE, G. P. Experiences in marketing Hudson Valley apples. N. J. State Hort. Soc. Hort. News 34:2577, 2579-2580, 2593. Jan.1953. 81 N46

37457 SEESEMANN. An die verjährung zum 31. 12. 52 denken! Kartoffelwirtschaft 5:472. Nov.28,1952. 286.83 K14
Germany.

37458 SHAY, F. M. Producer must be interested in marketing of his products. Sunsweet Standard 36(8):6-7. Jan.1953. 286.83 Su7
Fruit.

37459 STRATMANN, F. J. A new wrinkle in merchandising. Appleland News, Dec.1952:8-9. 80 Ap53
Pears.

37460 THAYER, E. N. Sunsweet advertising plans given. Sunsweet Standard 36(8):2-3,12. Jan.1953. 286.83 Su7
Prunes.

37461 TRADARDI, F. Die italienischen obst- und gemüse-zentralen. (Extr.) Obst u. Gemüse 4:1326,1328-1329. Dec.21,1952. 281.8 R522

37462 WINSTON, J. R., and others. Rail refrigeration test with Florida citrus, April 1951. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 279,28 p. Sept.1952. 1.9 P772Ht
R. Cubbedge, H. W. Hruschka, and G. A. Meckstroth, joint authors.

37463 WOLFSWENGER, and STEPHAN. Die obstverwertung. Bauer 5(44):9-10. Dec.13,1952. 19 B32
Austria.

Grading, Inspection, Standardization, and Quality

37464 BEAR, A. M. A home-made sizer for the small grower. Grower [London] 39:227. Jan.31,1953. 286.83 M34
For tomatoes.

37465 COMPTON, C. C. Agricultural chemicals and flavor evaluation. Agr. Chem. 8:30-31,121. Jan. 1953. 381 Ag8
Effect of fungicides and herbicides on fruit and vegetable flavor.

37466 GUADAGNI, D. G., and NIMMO, C. C. Effect of growing area on tannin and its relation to astringency in frozen Elberta peaches. Food Technol. 7(2):59-61. Feb.1953. 389.8 F7398

37467 HOLMES, A. D. Storage life of mature and immature butternut squashes. Amer. Dietet. Assoc. J. 29:140-141. Feb.1953. 389.8 Am34

37468 KOCH, J. Die qualitätsbestrebungen der süssmost-industrie. Deut. Landwirt.-Gesell. Mitt. 67: 973-975. Dec.18,1952. 18 N39

37469 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Apple sorters' manual: practical grade interpretations based upon United States grades for apples, by E. Cole. Amherst?1952. 16 p. 275.2 M38As

37470 MERCHANT, C. H. Quality of cut seed potatoes. Maine. Agr. Expt. Sta. Mimeog. Rpt. 31,13 p. Jan. 1953. 100 M28M

37471 MURPHY, M. D. El Servicio de Inspección de Frutas y Hortalizas Frescas. Rev. de Agr. P. R. 43:221-226. Jan./June 1952. 8 R325

37472 REID, C. Potato inspectors on the job; Canada's reputation for good potatoes on world markets stems largely from effective work of an army of disease and pest control officers. Family Herald & Wk. Star 84(3):3, 13. Jan.15,1953. 7 F21

37473 SPANGLER, R. L. Aids to better inspection. Mktg. Activ. 15(12):9-12. Dec.1952. 1.942 A8M34
Visual aids and objective tests in grading fruits and vegetables.

37474 SROKA, K. H. Vorsicht beim genuss von obst—warum und wie? Deut. Bienenztg. 7:190-191. Dec.1,1952. 424.8 D488
Health aspects of fruit consumption.

37475 STENDER, J. A. Fruit sorting machines. (In Dutch.) Fruitteelt 42:915-916. Dec.11,1952. 86 N28

37476 STEPHAN, F. Wir brauchen qualitätsobst! Bauer 6:2. Jan.3,1953. 19 B32
Austria.

37477 TINNEY, H. J., and BOYCE, D. Standardisation of domestic grades for canned fruits. Food Technol. Austral. 4:223,225,227,229,249. Aug.1952. 389.8 F7333

37478 U. S. PRODUCTION AND MARKETING ADMIN. Check list of U. S. standards issued by the Fruit and Vegetable Branch (other than for processed products). Washington,1952. 3 p. 1.9 Ec74

37479 U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for cauliflower. Washington,1952. 3 p. 1.9 M344Ca

37480 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned mushrooms. Washington,1952. 11 p. 1.9 Ec792Mu
Supersedes standards in effect since May 15, 1941.

37481 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen mixed vegetables. Washington,1952. 11 p. 1.956 F94Un34

37482 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of fruit preserves (or jams). Washington,1952. 17 p. 1.9422 Fr5P92
Supersedes standards in effect since March 14, 1949.

37483 U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for shelled almonds. Washington,1952. 9 p. 1.956 A2Un359

Packing and Packaging

37484 BEALE, M. The four men who kept on packing. Grower [London] 39:177. Jan.24,1953. 286.83 M34
Apples in Great Britain.

37485 BEANS in boxes. Farm Mangt. 2(3):68-69. Feb.1953. 281.8 F2225

37486 CAMPOS, J. Tiene importancia la "standardización" de envases en el orden del comercio frutícola. Mundo Agr. 4(42):60-61. Nov.1952. 9 M92

37487 HARVEY, E. M., and others. Shipping tests with precooled Valencia oranges in half-box size fiber board cartons from southern California to New York, August and September 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin H. T. & S. Off. Rpt. 283,20 p. Dec.1952. 1.9 P772Ht
E. P. Atrops, H. W. Hruschka, and J. A. Scanlon, joint authors.

37488 SPENCER, G. C. New record seen for wirebound crates. West. Grower & Shipper 24(3):41,45. Feb.1953. 280.38 W52
For fresh fruit and vegetables.

37489 STENDER, J. A., and LOGHER, C. Visit to the packing house of East-Kent Packers Ltd. at Faversham. (In Dutch.) Fruitteelt 42:913-914. Dec.11,1952. 86 N28
Fruit packing.

37490 U. S. PRODUCTION AND MARKETING ADMIN. Trends in packaging materials and equipment for dry edible beans and related commodities. Washington,1952. 45 p. 1.956 G76T72

Prices, Price Control, and Rationing

37491 DANIELS, E. E. A food cost study on selected fruits and vegetables. (Abs.) Ala. Acad. Sci. J. 21/22: 59. Feb.1952. 500 AL12

37492 GODWIN, M. R. Customer response to varying prices for Florida oranges. Fla. Agr. Expt. Sta. B. 508, 24 p. Dec.1952. 100 F66S

37493 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Sobre los precios de la uva y del vino. Semana Vitivinic. 7(337):2-3. Dec.13,1952. 95.8 Se5

37494 STAUNING, A. Eating onions—danger signal. (In Danish.) Gart.-Tid. 69:27-28. Jan.19,1953. 80 G192
Prices.

37495 U. S. BUR. OF AGRICULTURAL ECONOMICS. Factors affecting the annual auction price of Florida oranges, 1930-51, by W. S. Hoofnagle, Washington,1952. 12 p. 1.941 H2F11

Processing and Storage

37496 ALMEIDA, J. R. DE, and VALSECCHI, C. Fermentation of "abio" [Pauteria caimito]. (In Portuguese.) Lav. e Criação 7(42):30-32. Sept.1952. 49 L392

37497 ASEPTIC canning improves corn. Food Engin. 25(2):74-75. Feb.1953. 389.8 F737

37498 ATKINS, C. D., and others. Gelation and clarification in concentrated citrus juices. III. Effect of heat treatment of Valencia orange and Duncan grapefruit juices prior to concentration. Food Technol. 7(2):62-66. Feb. 1953. 389.8 F7398
A. H. Rouse, R. L. Huggart, E. L. Moore, and F. W. Wenzel, joint authors.

37499 AUSTRALIA. DRIED FRUITS CONTROL BOARD. Twenty-eighth annual report for year 1951-52. Melbourne,1952. 20 p. 280.39 Au7

37500 AVALLE, N. Stabilization of essential orange oils in pure fruit juice drinks. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 34:496-497. Oct.15,1952. 308.8 R52

37501 BARTON, R. R. Colloids help improve the quality of frozen raspberries. Food Packer 34(2):50,92. Feb.1953. 286.83 C165

37502 BOEKE, J. E., HERINGA, J. M., and HIELE, T. VAN. Fumigation with carbon dioxide and with methyl bromide for control of rodents in fruit stores. Internatl. Cong. Refrig. Proc. 8:552-554. 1951. 295.9 In82

37503 BOMEKE, H. Holzschutzmittel und obstlagerung. Obstbauversring. Mitt. 7:234-235. Dec.1952. 85 J76

37504 BORCHARDT, H. Kaltlagerungsversuch mit beregnetem obst. Obstbau 71:167-168. Nov.1,1952. 80 Ob73

37505 CALIFORNIA CANNING PEACH ASSOCIATION. Peaches; 1952 annual report and statistical yearbook. San Francisco,1952. 23 p. 280.3939 C12

37506 CALIFORNIA PACKING CORPORATION. Calpak annual, 27th edition, October 1952. San Francisco, 1952. 35 p. 286.83 C12
Contains statistics of the canned fruit and vegetable industry.

37507 CAMPOS, J. Es interesante la desecación de peras bajo el aspecto comercial. Mundo Agr. 4(43):95. Dec.1952. 9 M92

37508 CANNING cream style corn. Food Engin. 25 (2):102-105. Feb.1953. 389.8 F737
A flow sheet.

37509 CHRISTOPHER, E. P., SHUTAK, V. G., and PRATT, L. C. Refrigerated apples are better apples. Refrig. Engin. 61:173-174. Feb.1953. 295.9 Am32J

37510 CZYHRINCIW, N. Harinas precocidas de platanos, apio [arracacia] y maíz. Arch. Venezol. de Nutr. 3:179-192. June 1952. 389.8 Ar22
English summary.

37511 DAVID, J. Entreposage frigorifique des pommes. Foyer Rur. [Montreal] 12(1):5. Nov.1952. 7 F83

37512 DEXTER, S. T., and SALUNKHE, D. K. Control of potato-chip color by treatment of slices with glucose solutions following an acid treatment. Mich. Agr. Expt. Sta. Q. B. 35:156-160. Nov.1952. 100 M58S

37513 ELBELT, H. H. Grossdämpfanlage für kartoffeln bewährt sich. Deut. Landwirt.-Gesell. Mitt. 67:967-969. Dec.18,1952. 18 N39

37514 ERICKSON, L. C. Lemon storage; pre-storage treatment reduces black buttons, decay, delays fruit aging. Calif. Agr. [Calif. Sta.] 6(12):4. Dec.1952. 100 C12Cag

37515 FIDLER, J. C. The concentration of volatile organic compounds in gas-stores containing apples and pears, and methods for removing them. Internatl. Cong. Proc. 8:429-432. 1951. 295.9 In82

37516 GAC, A. Influence de l'humidité relative sur le comportement des pommes et des poires au froid. Internatl. Cong. Refrig. Proc. 8:568-570. 1951. 295.9 In82

37517 GALLAND, CHAPUIS, and GEFFROY. L'utilisation des basses tempèratures pour la conservation des semences de pommes de terre. Internatl. Cong. Refrig. Proc. 8:579-582. 1951. 295.9 In82

37518 GARDNER, V. Mobile cooling plants for fruit lands urged. Grower [London] 39:272-274. Feb.7,1953. 286.83 M34

37519 GIDLOW, E. The West Coast turns to applesauce in glass. Glass Packer 32(2):36,58,60. Feb.1953. 309.8 G463

37520 GILBERT, R. H. Development of the dried vine fruits industry. Austral. To-day 1953:99. 280.8 Au72
Raisins.

37521 GILBERT, R. H. Good year for dried vine fruits industry. Exports Austral. 7(2):25. Aug./Sept. 1952. 286.8 Ex75
Raisins.

37522 GUTTIKAR, M. N., and SOHONIE, K. Stability of vitamin C in neera from date palm at 37° C. (Phoenix sylvestris). Cur. Sci. 21:137-138. May 1952. 475 Sci23
In storage.

37523 HAVIGHORST, C. R. Thermal engineering scores in new canning process. Food Engin. 25(2):76-80, 99-100. Feb.1953. 389.8 F737
Corn.

37524 HAYNES, R. D., and others. The use of detergents in removing mold from strawberries. Quick Frozen Foods 15(7):53-54,56. Feb.1953. 389.8 Q4
H. Harlin, J. O. Mundt, and R. Stokes, joint authors.

37525 HEID, J. L., and KELLY, E. J. The concentration and dehydration of citrus juices. I. Canner 116 (5):9-13,21-22,24,26-27,30,32. Jan.31,1953. 286.83 C16

37526 HEID, J. L., and KELLY, E. J. The concentration and dehydration of citrus juices, II. Canner 116(6): 13-15,18,33. (Cont.) Ref. Feb.7,1953. 286.83 C16

37527 HEISS, R. Experiments on avoiding losses due to dryingout of frozen fruits and vegetables during storage. Internatl. Cong. Refrig. Proc. 8:542-544. 1951. 295.9 In82

37528 HESSE, S. Ueber die eignung von Biosmon zur frischhaltung von obst und gemüse. Früchte u. Gemüse Markt 5:11-14. Jan.2,1953. 286.83 F9425

37529 HIDALGO, J. La industria de conservas vegetales de España. Obst u. Gemüse 4:1268. Dec.8,1952. 286.83 Ob72

37530 HIELE, T. VAN. Gas storage of fruits in the Netherlands. Internatl. Cong. Refrig. Proc. 8:410-415. 1951. 295.9 In82

37531 HIELE, T. VAN. Keeping quality of our fruit. (In Dutch.) Fruitteelt 42:910. Dec.11,1952. 86 N28
Netherlands.

37532 HIELE, T. VAN. The temperature in the fruit storage place. (In Dutch.) Fruitteelt 42:889. Dec.4,1952. 86 N28

37533 HUFFMAN, W. A. H. LIME, B. J., and SCOTT, W. C. Changes in processing methods to avoid darkening in canned Texas Valley beets. Rio Grande Val. Hort. Inst. Proc. 7:143-147. 1953. 81 L95

37534 HUFFMAN, W. A. H., LIME, B. J., and SCOTT, W. C. Processed juices from Texas red and pink grapefruit—a progress report. Rio Grande Val. Hort. Inst. Proc. 7:102-105. 1953. 81 L95

37535 INDIA. TARIFF BOARD. Report on the canned and bottled vegetables. Bombay, Min. Com. & Indus., 1952. 25 p. 389.3 In22

37536 LEONARD, E. R. Some biological aspects of the overseas storage of tropical fruits. Internatl. Cong. Refrig. Proc. 8:647-652. Ref. 1951. 295.9 In82
Includes discussion.

37537 LEWIS, S. A. Sunkist's three-step freezing process Glass Packer 32(2):25-26. Feb.1953. 309.8 G463
Frozen orange concentrate.

37538 MARTÍNEZ DE BILLARD, J. E. Conservación de hortalizas al natural. Pampa Argentina 25(259,i.e. 299):24. Nov.1952. 9 P19

37539 MARTINS, W. A. Making and using orange peel. Confectionery Prod. 19:53-54. Jan.1953. 389.8 C762

37540 NATIONAL CANNERS ASSOCIATION. DIV. OF STATISTICS. Distributor stocks and canners carryover, 1951 and 1952. Washington? 1952. 7 p. 389.9 N2146D
Fruit.

37541 NICOLAISEN-WEHRDA, N. Dänische äpfel in der vorratshaltung. IV. Obst u. Gemüse 4:1187-1188. Nov.27,1952. 286.83 Ob72
Suitable varieties for Germany.

37542 NICHOLAS, J. E. Freezing of tomatoes and tomato juice. Pa. Agr. Expt. Sta. B. 553(sup. 1):7-8. Dec.1952. 100 P381

37543 OLSON, R. L. Sanitation and microbiology as related to vegetable dehydration. U. S., Bur. Agr. & Indus. Chem. AIC-344,14 p. Sept.1952. 1.932 A2Ag82
A revision of the sections entitled "Sanitation" and "Control of insects and mites," in U. S. Department of Agriculture Miscellaneous Publication 540.

37544 PHILLIPS, W. R., and POAPST, P. A. Storage of apples. Canada. Dept. Agr. P. 776,rev.,43 p. July 1952. 7 C16Pu

37545 RAO, P. B. R., BALAKRISHNAN, S., and RAJAGOPALAN, R. Influence of freezing on the volume of juice extracted and ascorbic acid content of certain fruits. Cur. Sci. 21:337-338. Dec.1952. 475 Sci23

37546 RASMUSSEN, P. M. Gas storage of apples in Denmark. Internatl. Cong. Refrig. Proc. 8:420-422. 1951. 295.9 In82

37547 RASMUSSON, L. The cold storage of Swedish fruits. Internatl. Cong. Refrig. Proc. 8:558-564. 1951. 295.9 In82

37548 REDFIELD, C. S., and ESKEW, R. K. Apple essence recovery costs; cost analysis for the Department of Agriculture's process shows $12,000 in equipment necessary to ready plant. Glass Packer 32(2):33-35,62. Ref. Feb.1953. 309.8 G463

37549 REYNEKE, J., and PIAGET, J. E. H. The use of bisulphites in the control of wastage in fresh grapes. Farming So. Africa 27:477-479. Oct.1952. 24 So842
During storage and transportation.

37550 SAMMET, L. L. Efficiency in fruit marketing; effect of different types of equipment on in-plant transportation costs in fresh-fruit packing houses. VI, section 2. Calif. Agr. [Calif. Sta.] 6(12):7-8,11. Dec.1952. 100 C12Cag

37551 SCHMIDT, L. Krauteinlagerung und konservierung; bericht über eine studienreise nach Holland. Landwirtschaft 23/24:369-371. Dec.1952. 19 L235

37552 SEDKY, A., STEIN, J. A., and WECKEL, K. G. Efficacy of added ascorbic acid in the control of discoloration of kraut. Food Technol. 7(2):67-70. Ref. Feb.1953. 389.8 F7398

37553 SERGER, H. Die kupfergrünung bei industriellen gemüse-konserven und ihr nachweis. Chem.-Ztg. 77:35-38. Jan.20,1953. 384 C427
English summary.

37554 SMOCK, R. M. Recent advances in storage of apples. East. Fruit Grower 15(11):10,12-13,16-17. Jan. 1953. 80 Ea73

37555 SOUTH AUSTRALIA. DRIED FRUITS BOARD. Twenty-third report, year ended 29th February, 1952. Adelaide,1952. 8 p. 281.3939 So82

37556 THEVENOT, R. Considérations économiques sur l'emploi du froid dans les stations fruitières françaises. Internatl. Cong. Refrig. Proc. 8:712-718. 1951. 295.9 In82
Includes discussion.

37557 THÉVENOT, R. L'équipement fruitier français; sa rentabilité. France. Min. de l'Agr. Rev. Etudes & Monog. 77:225,227-229,231-235. Dec.1952. 281.8 F84
Equipment for processing, refrigeration, storage, and transportation.

37558 THÉVENOT, R. Les techniques de refrigeration dans les stations fruitieres françaises. Internatl. Cong. Refrig. Proc. 8:576-579. 1951. 295.9 In82

37559 TINDALE, G. B. Citrus storage; fungicidal dipping or diphenyl wrapping necessary to reduce mould wastage losses. Citrus News 27:161. Nov.1952. 80 C494

37560 TREADWAY, R. H. Production and utilizatiion of white potato starch. Econ. Bot. 7:76-85. Jan./Mar. 1953. 450 Ec7

37561 ULRICH, R. Entreposage des châtaignes et des fraises en atmosphére contrôlée. Internatl. Cong. Refrig. Proc. 8:422-425. 1941. 295.9 In82

37562 ULRICH, R. L'influence du degré de maturité des fruits au moment de la cueillette sur leur comportement au frigorifique. Internatl. Cong. Refrig. Proc. 8: 565-567. 1951. 295.9 In82

37563 U. S. BUR. OF AGRICULTURAL ECONOMICS. Dry bean and pea stocks—September 1, 1952. Boise,1952. 2 p. 1.941 H8B374

37564 VAHL, E. VON. Reife- und lagerungsversuch mit "Clapps Liebling." Obstbauversring. Mitt. 7:245-246. Dec.1952. 85 J76
Pear variety.

37565 VICKERY, J. R., and others. The gas storage of apples and pears in Australia. Internatl. Cong. Refrig. Proc. 8:416-420. 1951. 295.9 In82
F. E. Huelin, E. G. Hall, and G. B. Tindale, joint authors.

37566 WADE, E. K. Storage rots and disorders in potatoes. Badger Common 'Tater 5(12):10,13-14. (Cont.) Dec.1952. 75.8 B14

37567 WEST, C. The history of refrigerated gas storage for horticultural produce. Internatl. Cong. Refrig Proc. 8:406-409. 1951. 295.9 In82

37568 ZECHA, E. Richtlinien für die einlagerung und behandlung des winterobstes. Obst u. Gart. 7:164-166. Nov.1952. 80 Ob75

Statistics

37569 DALMASSO, G. First estimates on the 1952 European grape harvest. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)95:441-442. Nov.1952. 16 C72

37570 DIJCK, D. VAN. Horticultural statistics of May 15, 1952. (In Flemish.) Tuinbouwberichten 16:180-181. Dec.15,1952. 80 T817

37571 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Fruit and vegetables; production, trade and policies in Europe 1947-1951. Food & Agr. Organ. United Nations. FAO Commod. Ser. B. 23,143 p. Oct.1952. 389.9 F735Cs
Statistical.

37572 GERMANY.(FEDERAL REPUBLIC, 1949-.) STATISTISCHE3 BUNDESAMT. Endgültige ernteschätzung von hülsenfrüchten 1952. Germany. Statis. Bundesamt. Statis. Ber. III/4/76,5 p. Dec.5,1952. 265 V58

37573 GERMANY. (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Die kartoffelernte 1952 nach ländern und grösseren verwaltungsbezirken. Germany. Statis. Bundesamt. Statis. Ber. III/4/80,3 p. Dec.18,1952. 265 V58

37574 GERMANY.(FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Endgültige ernteschätzung von hülsenfrüchten 1952 nach ländern und grösseren verwaltungsbezirken. Germany. Statis. Bundesamt. Statis. Ber. III/4/81,4 p. Dec.18,1952. 265 V58

37575 GERMANY. (FEDERAL REPUBLIC, 1949-). STATISTISCHES BUNDESAMT. Die verkaufsfertigen obstgehölze und beerensträucher 1952. Germany. Statis. Bundesamt. Statis. Ber. III/12/1,17 p. Jan.1953. 265 V58

37576 IGNATIUS, J. G. W. Some data on the overall fruit culture in the open ground and the production per hectare. (In Dutch.) Fruitteelt 43:6-7. Jan.3,1953. 86 N28
Netherlands.

37577 LOHDEN, A. Einige zahlen zur entwicklung der obsternte in Westdeutschland. Obstbauversring. Mitt. 7:253-254. Dec.1952. 85 J76

37578 QUEBEC. BUR. OF STATISTICS. Blueberries 1952. Quebec,1952. 1 p. 253.8 St2R

37579 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Special report series, No. 16. Orchards and vineyards. Pretoria,1952. 94 p. 270 So87L

37580 U. S. BUR. OF AGRICULTURAL ECONOMICS. Apples; production by varieties, 1952, with comparisons. Washington,1952. 9 p. 1.941 S8Ap5

37581 U. S. BUR. OF AGRICULTURAL ECONOMICS. Citrus production report as of January 1, 1953. Orlando, 1953. 2 p. 1.941 S8C49

37582 U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho onion stocks January 1, 1953. Boise,1953. 2 p. 1.941 H8On4

37583 U. S. BUR. OF AGRICULTURAL ECONOMICS. Merchantable potato stocks. Washington,1953. 4 p. 1.941 S8P85
Also reports issued from Boise, Fargo, St. Paul, and Portland, Oreg.

37584 U. S. BUR. OF AGRICULTURAL ECONOMICS. Production, farm disposition and value,principal fruits and tree nuts,1951 and 1952 seasons. Washington,1953. 22 p. 1.941 H8F942

37585 U. S. BUR. OF AGRICULTURAL ECONOMICS. Special tree nut report. Portland,Oreg.,1952. 1 p. 1.941 S8N95
Statistics.

37586 WIRTH, H. Der produktionswert der obsternte 1952 in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:343-344. Nov.1952. 265 St24

37587 WIRTH, H. Die versorgungslage bei obst in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:310-311. Oct.1952. 265 St24

37588 YUGOSLAVAIA. SAVEZNI ZAVOD ZA STATISTIKU I EVIDENCIJU. Voćarstvo i vinogradarstvo 1951 [Fruit and vineyards in 1951]. Yugoslavia. Savezni Zavod za Statis. i Evidenciju. Statis. B. 3(12),52 p. Aug.1952. 266.9 Sa9S
Includes English text.
Statistics.

GRAIN AND GRAIN PRODUCTS

37589 ALBERTA WHEAT POOL. Annual report 1951-52. Calgary,1952. 85 p. 280.39 AL12

37590 ALMIÑANA SORIA, M. El plan arrocero de la Corporación Venezolana de Fomento. Agr. Mod. [New Orleans] 6(4):7-11. Nov.1952. 6 Ag8

37591 ANNUARIO generale dei molini e pastifici industriali italiani [General annual of Italian mills and industrial paste manufacturers], 1952-53. Roma,Italia e i Cereali,1952. 358 p. 298 An7

37592 ARGENTINA. DIRECCIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN DE LABORATORIOS. Composición varietal de la cosecha de trigo 1950/51. Argentina. Dir. Nac. de Granos y Elevadores. B. Inform. 13:100-103. June 30,1952. 286.81 Ar3

37593 ARGENTINA. DIRECCIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN DE LABORATORIOS. Tipificación de la cosecha de trigo 1951/52. Argentina. Dir. Nac. de Granos y Elevadores. B. Inform. 13:82-99. June 30,1952. 286.81 Ar3

37594 BALASUBRAMANIAN, S. C., and RAMACHANDRAN, M. Essential amino-acid composition & biological value of some cereal proteins. Soc. Biol. Chem. India. Proc. 10:23-24. Oct.1952. 385 So13P

37595 BARCELO, J. L. El mercado mundial de cereales. Ceres [Valladolid] 17(198):35,37. Dec.1,1952. 15 C33

37596 BERTARELLI, E. Is our rice too costly? (In Italian.) Riso 1(11):18-19. Dec.1952. 59.8 R49

37597 BLEE, D. The bulk movement of grain by rail. Agr. Merchant 33:5-9. Jan.1953. 10 Ag89

37598 BOERGER, A. Química triguera en el Rio de La Plata. Arch. Fitotéc. del Uruguay 5:7-19. Ref. 1952. 102.5 Ur8A
English summary, p. 171.

37599 BOOZE, R. Feed association histories. III. Colorado group 19 years old. Feed Bag 29:63. Jan.1953. 389.78 F32
Colorado Grain, Milling & Feed Dealers Association.

37600 BRAINE, B. Caribbean contribution to relief of world rice shortage. New Commonwealth 25(2):60-61. Jan.29,1953. 280.8 C88
Production programs.

37601 CANADA. GRAIN RESEARCH LABORATORY. Protein survey of wheat, 1952. Canada. Grain Res. Lab. Crop B. 46,35 p. Nov.1952. 59.9 C161C

37602 CANADIAN WHEAT BOARD. Report, crop year 1951-1952. Ottawa,1952. 280.3599 C163

37603 CANEVARO, M. Milling and its problems. (In Italian.) Molini d'Italia 3:436-438,440-441. Oct. 1952. 298.8 M73
English summary.

37604 CAVINA, R. Cleaning and disinfecting grain. (In Portuguese.) Lav. e Criação 7(42):58. Sept.1952. 49 L392

37605 CIPPERLY, J. Benson action to halt decline in grain markets anticipated. Nowest. Miller 249(4):12-13. Jan.27,1953. 298.8 N81

37606 CLEVE, H. Die neuen vorbereitungsverfahren. Ecole Off. de la Meun. Belge. B. 14:145-150. (Cont.) Sept./Oct.1952. 298.9 G34

37607 CLEVE, H. Die neuen vorbereitungsverfahren. Ecole Off. de la Meun. Belge. B. 14:167-177. (Cont.) Nov./Dec.1952. 298.9 G34

37608 CLEVELEY, J. H. Bulk handling of grain by road transport. Agr. Merchant 32:231-233,243. Sept. 1952. 10 Ag89

37609 CONRAD. Die gründung der Deutschen Müllerschule Braunschweig. Mühle 89:787a. Dec.25, 1952. 298.8 M89

37610 CRAMPHORN, J. F. The retail trade. Agr. Merchant 32:261-262. Oct.1952. 10 Ag89
The retail corn trade.

37611 CROLL, T. C. A measure of GTA's true worth. GTA Digest 13:25-29. Jan.1953. 280.28 G11

37612 DIERCHEN, W. Der äussere und innere pilzbefall beim getreidekorn. Getreide u. Mehl 2:125-127. Dec.1952. 298.8 G332

37613 DIETRICH, K. R. Die kornschlempe als nährsubstrat bei der biosynthese. Chem.-Ztg. 77:13-15. Jan.10,1953. 384 C427
English summary.

37614 DIETRICH, K. R. Der wert der schlempe nach dem kontinuierlichen maischverfahren. Branntweinwirtschaft 74:429-430. Dec.10,1952. 390.8 B7322

37615 ECKARDT, O. Aktuelle müllerische probleme in Schweden. Mühle 89:659-660. Oct.16,1952. 298.8 M89

37616 ECKARDT, O. Die bedeutung des mühlenlaboratoriums. Mühle 89:787a-788. Dec.25,1952. 298.8 M89
Wheat and flour analysis.

37617 EICHINGER, J. Die getreideernte 1952; endgültige ergebnisse. Bayern in Zahlen 6:392-394. Nov.1952. 265 B34

37618 EISGRUBER, G. Die ausbildung eines mühlenbauers. Deut. Müller-Ztg. 50:657-658. Dec.24,1952. 298.8 Su2

37619 EISGRUBER, G. Vorbereitungskurse zur meisterprüfung. Deut. Müller-Ztg. 50:656-657. Dec.24, 1952. 298.8 Su2

37620 EULL, A. Die müllerei in Holland. Müllerei 5:777. Dec.13,1952. 298.8 M91

37621 FARMERS UNION GRAIN TERMINAL ASSOCIATION. Annual report 1952. n.p.,1952. 46 p. 280.2599 F222

37622 FINK, H., WÖGER, K., and HEIDER, H. Bestimmung der keimfähigkeit nach dem tetrazolium-verfahren. IV. Brauwissenschaft 11:189-192. Ref. Nov.1952. 390.8 B733
English summary.
Barley.

37623 FOERSTER, G. Über die belastung des mahlspaltes. Mühle 89:778-779. Dec.25,1952. 298.8 M89

37624 FOURNIER, P. Grain de blé et farine. Nature [Paris] 3208:243-246. Aug.1952. 473 N21
Milling quality.

37625 FOX, K. Estimated trends in non-feed corn use to 1956. Ill. Farm Econ. 208/209:1407-1409. 275.28 IL5

37626 FRITSCH, E. Der vergleich von müllerischen problemen im schrifttum der internationalen forschung. Wiss. Müllerei 12:121-128. In Müllerei 5(51/52). Dec. 20,1952. 298.8 M91

37627 GARIBOLDI, R. Research and successes in the American food industry. (In Italian.) Riso 1(11):22-25. Dec.1952. 59.8 R49
Rice products.

37628 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Die getreideernte 1952 nach ländern und grösseren verwaltungsbezirken. Germany. Statis. Bundesamt. Statis. Ber. III/4/83,9 p. Jan.6,1953. 265 V58

37629 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Die strohernte 1952 nach ländern und grösseren verwaltungsbezirken. German y. Statis. Bundesamt. Statis. Ber. III/4/78,7 p. Dec. 9,1952. 265 V58

37630 GRECZMIEL, E. Production of starch and protein products from wheat flour. Amer. Miller & Processor 80(12):22,24,44. Dec.1952. 298.8 Am32

37631 GREER, E. N. Moisture testing of cereals. Agr. Merchant 32:320-321. Dec.1952. 10 Ag89

37632 GREY, S. T. Sanitary grain enforcement program by Food and Drug Administration in wheat sets policy pattern for corn. Popcorn Merchandiser 7(11): 12,14,16-18,22,24-25,31. Jan.1953. 280.38 P81

37633 GRONERT, A. Mähdruschgetreide und seine trocknung. Praxis u. Forsch. 4:161-162. Dec.20,1953. 18 P89

37634 GUCKES, E. Die Deutsche Müllerschule Braunschweig als mittler zwischen heimat und welt. Deut. Müller-Ztg. 50:652. Dec.24,1952. 298.8 Su2

37635 HACHMANN. Hoher feuchtigkeitsgehalt beim getreide in Norddeutschland. Mühle 89:718. Nov.13, 1952. 298.8 M89

37636 HAGBERG, S. Baking tests for wheat flours. Ecole Off. de la Meun. Belge. B. 14:125-144. Ref. Sept./Oct.1952. 298.9 G34

37637 HAJEK, T. Dänische, englische und schwedische braugersten. Brauwelt 52:1276-1277. Dec.25, 1952. 390.8 B732
Analysis.

37638 HAMPEL, G. Neue methoden zum nachweis von verunreinigungen tierischer herkunft in getreideerzeugnissen. Getreide u. Mehl 2:117-123. Ref. Nov.1952. 298.8 G332
Insect and rodent contamination.

37639 HEBE, G. Elektrotechnik in der mühle. Mühle 89:727-728. Nov.20,1952. 298.8 M89

37640 HIRSCH, D. Mein müllereistudium in Braunschweig. Deut. Müller-Ztg. 50:653. Dec.24,1952. 298.8 Su2

37641 HOFFMANN, H. J. Trocknung von mehl. Müllerei 5:796. Dec.20,1952. 298.8 M91

37642 HOFFMANN, H. J. Der vakuum-trocknungs- und -vorbereitungsapparat. Mühle 89:758-759. Dec.4, 1952. 298.8 M89

37643 HOLLAND, C. D. The rice problem of southeast Asia; still large gap between supply and demand. Gt. Brit. & East. 68(1836):39. Dec.1952. 286.8 N27

37644 HÜBSCH, O. Vorbereitung und reifung des getreides. Mühle 89:760-761. Dec.4,1952. 298.8 M89

37645 INSKEEP, G. C., TAYLOR, C. G., and BREITZKE, W. C. Fabrication d'acide lactique à partir du sucre de maïs. Chim. & Indus. 69:72-82. Ref. Jan. 1953. 383 C42

37646 INTERNATIONAL RICE COMMISSION. Report of the third session, Bandung, Indonesia, 12-16, May 1952. Bangkok,1952. 76 p. 59.9 In83

37647 JONES, C. R. The structure and behaviour of bran and endosperm. Milling 120:134. Jan.31,1953. 298.8 M622

37648 JONES, W. L., JEZESKI, J. J., and GEDDES, W. F. The heat resistance of the thermophilic spores present in wheat and wheat products. Cereal Chem. 30: 12-21. Ref. Jan.1953. 59.8 C33

37649 KAMETAKA, M. On the chemical property of the protein of the Italian millet, especially of the prolamin. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:512-516. 1952. 385 Ag8
English summary.

37650 KÄSTNER, W. Kosteneinteilung—kostenschlüssel. Mühle 89:733-734. Nov.20,1952. 298.8 M89

37651 KÄSTNER, W. Mehlkleinpackungen und gewichtsverluste. Mühle 90:7-8. Jan.1,1953. 298.8 M89
Germany.

37652 KERR, M. P. Working to keep food, grain clean; teamwork demonstrated by industry, Government. Feed Bag 29:13,96. Jan.1953. 389.78 F32
Grain sanitation program.

37653 KISSLER, H. Die Deutsche Müllerschule in Braunschweig. Mühle 89:787. Dec.25,1952. 298.8 M89

37654 KLEBER, W., PAUKNER, E., and HEYER, W. Anflösung 1952er malze nach der viskositätsmethode. Brauwelt 52:1273. Dec.25,1952. 390.8 B732

37655 KORPELA, E. J. Grain growing in Finland. Unitas 4:107-110. Nov.1952. 286.8 Un32
The industry.

37656 LARKIN, R. A., MACMASTERS, M. M., and RIST, C. E. A new color method for differentiating bran and germ particles from insect fragments in flour. Cereal Chem. 30:54-58. Ref. Jan.1953. 59.8 C33

37657 LARRICK, G. P. The grain sanitation program. Food Drug Cosmetic Law J. 7:816-824. Dec. 1952. 389.58 F732

37658 LATENDRESS, H. Commercial rice production in the State of Rio Grande do Sul, Brazil. Ala. Acad. Sci. J. 21/22:88-89. Ref. Feb.1952. 500 AL12

37659 LATHROP, E. C. Pulps from straw and sugarcane bagasse for manufacture of newsprint. Tappi 36: 142A-144A. Jan.1953. 302.8 T162

37660 LAUTE. Kontingentsgespräche unter vier augen. Mühle 89:673-675,685-686. Oct.23-30,1952. 298.8 M89
Germany.

37661 LINDEMANN, E. Die bestimmung der ergiebigkeit von getreide- und kartoffelstärken mit dem Brabender-viskographen. Brot u. Gebäck 6:199-201. (Cont.) Dec.1952. 298.8 G33

37662 LOEB, J. R., and MORRIS, N. J. Abstract bibliography of the chemistry, processing, and utilization of rice bran and rice bran oil. U. S. Bur. Agr. & Indus. Chem. AIC-328,95 p. 1952. 1.932 A2Ag82

37663 LÜTKENS, H. O. Auslandspraxis und müllerschule. Müllerei 6:4,7. Jan.3,1953. 298.8 M91

37664 MCALLISTER, W. T. Corn, store it or sell it. Del. U. Agr. Ext. Folder 30,6 p. Oct.1952. 275.29 D37W

37665 MAHLER, O. Ungerechte forderungen der hamburger grossmühlen. Deut. Müller-Ztg. 51:7-8. Jan.7,1953. 298.8 Su2

37666 MAJERT, E. Preisdifferenzrücklage bei preissteigerungen. Steuer u. Recht 22:85-86. In Ernährungsdienst 7(133). Nov.15,1952. 389.8 Er62
Grain and feed in Germany.

37667 MAZZEI, E. The distribution of the wheat under State regimen in the first quarter 1952-53. (In Italian.) Molini d'Italia 3:442-444. Oct.1952. 298.8 M73
English summary.

37668 MEHR, H. Werbung für mehl und brot. Mühle 89:771-772. Dec.11,1952. 298.8 M89

37669 MEYER, W. Staubexplosionsgefahren in getreidemühlen. Mühle 90:1-2. (Cont.) Jan.1,1953. 298.8 M39

37670 MEYER, W. Staubexplosionsgefahren in getreidemühlen. Mühle 90:15-16. (Concl.) Jan.8,1953. 298.8 M89

37671 MISSION "MAIS." La mission "maïs" aux États-Unis (28 août—27 octobre 1951). France. Min. de l'Agr. B. Tech. d'Inform. 73:587-671. Oct.1952. 14 F844B
The industry.

37672 MORAN, T. Chemical reactions involved in flour improvement. Brit. Baker 125(26):52,54. Dec.26, 1952. 389.8 B772

37673 MORETTI CANEDO, M. El maíz ha sido y es fuente de vida en el antiguo y el moderno territorio de México. Mundo Agr. 4(42):92-93. Nov.1952. 9 M92

37674 NEW SOUTH WALES. STATISTICIAN. Area under wheat, 1952-53 season. Sydney,1952. 1 p. 281.3599 N473

37675 OBARA, T., and KITAMURA, M. On the fat of buck wheat. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:426-430. 1952. 385 Ag8
English summary.

37676 OLSON, O. L. We fight for farm families; GTA's president reviews co-op achievements and urges strong program to serve agriculture better in the future. GTA Digest 13:21-24. Jan.1953. 280.28 G11

37677 OREGON wheat growers' three-horse team; this is the success story of a commodity organization that works so well it's hard to tell who is driving. Farm Mangt. 2(2):57-64. Jan.1953. 281.8 F2225
Oregon Wheat League.

37678 PASFIELD, D. H. Confined atmosphere storage of grain. Farm Mech. 5(45):16-17. Jan.1953. 58.8 B772

37679 PEERS, F. G. The phytase of wheat. Biochem. J. 53:102-110. Ref. Jan.1953. 382 B52

37680 PELSHENKE, P. F., and SCHAFER, W. Mahl- und backversuche mit Manitoba-weizen 5. II. Mühle 89: 775-776. Dec.25,1952. 298.8 M89

37681 PFENING, F. D. New developments in flour handling. Bakers Wk. 157(6):29-32,38-39. Feb.9,1953. 389.8 B172

37682 PFEUFFER, F. Vom lehrling zum meister. Deut. Müller-Ztg. 50:636-637. Dec.24,1952. 298.8 Su2

37683 PICKERING, S. The national silos. Agr. Merchant 32:229-230. Sept.1952. 10 Ag89
Grain drying and storage operations of Re-Commissioned Mills Ltd.

37684 POEHLMAN, J. M., and COMBS, J. B. Use of punch cards to process small grain yield data. Agron. J. 41:624-625. Dec.1952. 4 Am34P

37685 QVIRIN-HANSEN, O. We have too little storage space for grain. (In Danish.) Andelsbladet 54:105-106. Jan.29,1953. 280.28 An2
Denmark.

37686 RICE MILLERS' ASSOCIATION. Rice production in the United States, 1952. New Orleans,1952. 4 p. 59.9 R362R
Statistics.

37687 ROBERTS, R. L., HOUSTON, D. F., and KESTER, E. B. Process for canning white rice. Food Technol. 7(2):78-80. Feb.1953. 389.8 F7398

37688 ROHRLICH, M., and BRÜCKNER, G. Ergebnisse einer gemeinschaftsuntersuchung über die bestimmung des wassergehaltes in getreide und getreideprodukten. Wiss. Müllerei 10:97-100. In Müllerei 5(42). Oct. 18,1952. 298.8 M91

37689 ROHRLICH, M., and BENISCHKE, H. Fermentaktivität und haferverarbeitung. Mühle 89:709,730. (Cont.) Nov.6,20,1952. 298.8 M89

37690 ROSE, J. Le transport pneumatique. Ecole Off. de la Meun. Belge. B. 14:153-160. Nov./Dec.1952. 298.9 G34

37691 ROTH, E., and DUMERMUTH, R. Vakuumapparat als vorbereiter. Mühle 89:762. Dec.4,1952. 298.8 M89

37692 ROTSCH, A. Kennzeichnung von spezialmehlen mit chemischen, physikalischen und backtechnischen prüfungsmethoden. Müllerei 5:778-779. Dec.13, 1952. 298.8 M91

37693 RUDOLPH, F. Mühlen-Havanna. Deut. Müller-Ztg. 51:1-2. Jan.7,1953. 298.8 Su2

37694 SCARPA, G. Considerations on the price of wheat. (In Italian.) Agr. delle Venezie 6:567-572. Dec. 1952. 16 Ag826

37695 SCHALLER, A. Ein nomogramm zur berechnung des aschegehaltes in mahlprodukten. Mühle 90:15. Jan.8,1953. 298.8 M89

37696 SCHARLAU, A. Der schwebe-austauscher, system Ruhr-chemie, zur trocknung von getreide. Mühle 89:752. Dec.4,1952. 298.8 M89

37697 SCHEUCH, F. Das getreide neuer ernte und seine gesunderhaltung am lager. Genossenschaft 2(23): 9. Dec.1,1952. 280.28 G283

37698 SCHEUCH, F. Gutes mehl in der kleinmühle. Mühle 89:718-719. Nov.13,1952. 298.8 M89
Grain care and handling.

37699 SCHORK. Zur verteilung des qualitätsweizens. Mühle 89:723. Nov.13,1952. 298.8 M89
Germany.

37700 SCHULZ, A. Untersuchungen und erfahrungen über die verbesserung der backfähigkeit von weizenmehlen durch pilzamylase. Brot u. Gebäck 6:168-171. Nov.1952. 298.8 G33

37701 SCHWEIKER, F. Lohnen sich die letzten prozente? Mühle 89:780-781. Dec.25,1952. 298.8 M89

37702 SEROKA, W. Die landesberufsschule für müller in Reinbek bei Hamburg. Deut. Müller-Ztg. 50: 648-650. Dec.24,1952. 298.8 Su2

37703 SOLER, G. La rizículture au Tchad. Marchés Colon. du Monde 8:3304-3306. Dec.27,1952. 286.8 M33
The industry.

37704 SOUZA, A. O. DE. International Rice Commission. (In Portuguese.) Lav. Arroz. 6:13-18,20-24, 26-30,32-34,36-38,40-42,44-46. (Cont.) Nov.1952. 59.8 L39

37705 SOUZA, A. O. DE. The wheat problem and the exchange situation. (In Portuguese.) Lav. Arroz. 6:3-11. Nov.1952. 59.8 L39
Brazil.

37706 SPAIN. SERV. DE ESTADISTICA. Avance estadístico de las superficies y producciones de cereales. 1952. Spain. Min. de Agr. Serv. de Estadís. P. Ser. C. 105,11 p. 1952. 263 Ag84C

37707 SPAIN. SERV. DE ESTADISTICA. Resumen estadístico de la producción de cereales 1951. Spain. Min. de Agr. Serv. de Estadis. P. Ser. B. 35,16 p. 1952. 263 Ag82

37708 STENDAL, R. Aus vergangenen tagen. Müllerei 5:809-810. Dec.20,1952. 298.8 M91

37709 TEMPANY, SIR H. A. The quality of cereals and their industrial uses. Chem. & Indus. 2:31-32. Jan.10,1953. 382 M31C

37710 THEIMER, O. F. Die abhängigkeit des wassergehaltes in gelagertem getreide vom relativen feuchtigkeitsgehalt der luft. Müllerei 5:801-803. Dec.20,1952. 298.8 M91

37711 THEIMER, O. F. Behandlung und lagerung von mähdrescher-getreide mit besonderer berücksichtigung der kaltluft-trocknung. Mühle 89:753-757. Ref. Dec. 4,1952. 298.8 M89

37712 THEIMER, O. F. Getreideprobleme in Irland. Mühle 89:739. Nov.27,1952. 298.8 M89

37713 TOMBS, D. M. The application of electronics to the cleaning of agricultural products. World Crops 4:422-424. Dec.1952. 281.8 W892
Grain and other products.

37714 TRUMP, F. Dry grain. Mich. Farmer 219:93, 143. Feb.7,1953. 6 M58

37715 TUINMAN, A. S. The present wheat situation in Canada. (In Dutch.) Landbouwwereldnieuws 7:753-757. Nov.22,1952. 12 L237

37716 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Special report series, No. 8. Agricultural crops: wheat, barley, rye, oats, kaffir corn, mealies and buckwheat. Pretoria,1952. 44 p. 270 So87L

37717 U. S. BUR. OF AGRICULTURAL ECONOMICS. Rough rice stocks, January 1, 1953. Washington,1953. 2 p. 1.941 A2R75

37718 VARELA MARTINEZ, R. Ensayos de panificación del trigo con mezclas de millo y maiz. Agr. Trop. 8(11):31-39. Nov.1952. 26 Ag8

37719 VIGUERA LOBO, J. M., COLOM PIZA, J., and PRIMO YUFERA, E. Aprovechamiento industrial de los subproductos del arroz. VI. La vitamina E del aceite de germen. Soc. Españ. de Fís. y Quím. An. Ser. B, Quím. 48:806-811. Ref. Nov.1952. 385 So16
English summary.

37720 VOGT, R. Zur jahreswende. Müllerei 6:1-2. Jan.3,1953. 298.8 M91
Germany.

37721 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. They help find better wheats; the story of the Western Wheat Quality Laboratory. Wash. Agr. Expt. Sta. C. 210,8 p. Jan.1953. 100 W27S

37722 WATSON, S. J. The quality of cereals and their industrial uses; the uses of barley other than malting. Chem. & Indus. 5:95-97. Jan.31,1953. 382 M31C

37723 WHEAT and its marketing. I. Risks of the wheat farmer. Baking Indus. 99(1241):39,87. Feb.14, 1952. 389.8 B17

37724 WILHELM, A. Roggenmühlendiagramme als halbhoch- oder flachmahlverfahren? Müllerei 6:19. Jan.10,1953. 298.8 M91

37725 WILLIAMS, A. E. Paper from straw; agricultural waste helps solve the paper shortage. Chem. Age 68:177-181. Jan.24,1953. 382 C427

37726 WINNIPEG GRAIN EXCHANGE. List of members, November 15, 1952. Winnipeg,1952. 46 p. 287 W73L

37727 WOODFORDE, A. H. Review of the wheat industry. Wheat Gaz. Bd. 4(7):1-2. Nov.1952. 59.8 W56
Tasmania.

37728 YAGER, C. M. Some observations relative to the prices millers get for bakery flour. Mod. Miller & Bakers News 80(3):17-18. Jan.31,1953. 298.8 M72

37729 YAZICIOGLU, T. Physikalische, chemische und backtechnische studien an türkischen durumweizen. Getreide u. Mehl 2:128-132. Ref. Dec.1952. 298.8 G332

37730 ZIRKEL, H. Probleme auf dem gebiet der getreidetrocknung. Mühle 89:751-752. Dec.4,1952. 298.8 M89

37731 ZIRKEL, H. Vereinfachte siebmethoden zur feststellung des getreidebesatzes im betrieb. Mühle 89: 714-715,728-729. Nov.13-20,1952. 298.8 M89
Germany.

HONEY AND BEESWAX

37732 AUSTIN, G. H., and JAMIESON, C. A. An evaluation of some of the factors affecting the stability of the crystal texture of recrystallized honey. Food Technol. 7(2):95-96. Feb.1953. 389.8 F7398

37733 AUSTIN, G. H. Maintaining high quality in liquid and recrystallized honey. Canad. Bee J. 61:10-12, 20-23. Jan.1953. 424.8 C16

37734 CRANE, E. Uses of honey and other bee products. Gleanings Bee Cult. 81:93. Feb.1953. 424.8 G47

37735 HADORN, H. Kritische betrachtungen zur bestimmung der zuckerarten in honig. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:353-357. 1952. 389.9 Sw6

37736 HAMMER, A. Von der nachbehandlung des honigs. Deut. Bienenztg. 7:181-182. Dec.1,1952. 424.8 D488

37737 HAZARD, K. F. Michigan advertises honey. Amer. Bee J. 93:55-56. Feb.1953. 424.8 Am3

37738 HELLWIG, E. Die honigkontrolle des VDSB im jahre 1952. Schweiz. Bienen-Ztg. 75:522-525. Dec. 1952. 424.8 Sch9
Verein Deutsch-Schweizerische Bienenfreunde.

37739 KILCHENMANN, H. Honig aus dem Tessin. Schweiz. Bienen-Ztg. 75:538-540. Dec.1952. 424.8 Sch9
Public relations.

37740 MEDICI, M. Algunas consideraciones sobre elaboración de la miel de abejas y sus diversas clases. Mundo Agr. 5(44):56-57. Jan.1953. 9 M92
Types.

37741 TENNENT, J. N. Co-operative marketing of honey. Scot. Beekeeper 29:8-10. Jan.1953. 424.8 Sco8
Ireland.

37742 U. S. BUR. OF AGRICULTURAL ECONOMICS. Honey and beeswax production. Richmond,1953. 2 p. 1.941 H8H753

37743 ZIMMERMANN, P. Le problème de l'écoulement de nos miels. J. Suisse d'Apicult. 49:344-348. Dec. 1952. 424.9 So1

LIVESTOCK AND LIVESTOCK PRODUCTS

37744 ALLEN, G. H. Observations on beef cattle production and marketing in the United States. Austral. Inst. Agr. Sci. J. 18:217-221. Dec.1952. 23 Au74

37745 ARSENAULT, L. Retour à la bergerie. Foyer Rur. [Montreal] 12(1):9,11. Nov.1952. 7 F83
Sheep and wool production in Canada.

37746 AUSTRALIA. MEAT BOARD. Seventeenth annual report year ended 30th June, 1952. Canberra, 1952. 164 p. 286.3509 Au7

37747 BAY, W. Great opportunities in the meat industry. Mo. Col. Farmer. 45(3):6-7,15-16. Dec.1952. 6 M691
For agricultural college graduates.

37748 BONINO LAURNAGA, R. Nuestro medio ambiente y la oveja. Asoc. Rur. del Uruguay. Rev. 79 (12):22-23,28. Dec.1952. 9.9 As5

37749 CABBEE. La vocation pastorale de l'Algérie est un fait indéniable. Rev. de l'Elevage 8:145. Feb.1953. 49 B462

37750 CLELAND, S. B. 1953 livestock outlook. Minn. U. Agr. Ext. Pam. 186,8 p.-folder. Dec.1952. 275.29 M66P

37751 CONGRESO NACIONAL DE GANADEROS, 7, CALI, 1952. Ponencias elaboradas por la delegación de Anquia. Soc. Antioqueña de Agr. B. Agr. 389:3603-3624. Sept.1952. 9.4 So1

37752 CONWAY, H. M. Cattle numbers offset by fewer hogs and lambs. Natl. Live Stock Prod. 31(4):16. Feb.1953. 280.38 N21

37753 COOPER, M. M. Sheep-farming developments in New Zealand. New Commonwealth 25:125-127. Feb. 2,1953. 280.8 C88

37754 CORBETT, R. B. Producer problems (Extr.) Amer. Cattle Prod. 34(9):14,18-19. Feb.1953. 49 P94
Industry and prices.

37755 DALBERG, P. The position of the livestock industry to-day. (In Norwegian.) Buskap og Avdratt 4:22-24. 1952. 49 B96

37756 DEGRAFF, H. Some problems in maintaining the quality of the American diet. Natl. Inst. Anim. Agr. Proc. 2:20-30. 1952. 49.9 N219
Problems of the livestock industry.

37757 DOANE AGRICULTURAL SERV. Which way beef and cotton? Farm Mangt. 2(2):22-23. Jan.1953. 281.8 F2225

37758 DOEHNER, H. Entwicklung und stand der badischen schäferei. Bad. Landwirt. Wchnbl. 120:31-32. Jan.3,1953. 18 B142

37759 DORRANCE, S. F. The Maine sheep industry. Sheepman 23:359,372-373. Feb.1953. 45.8 Sh32

37760 DUCK, R. W. The future for pig hatcheries. Rur. New-Yorker 103:94,102-103. Feb.7,1953. 6 R88

37761 FOOTE, R. J. A four-equation model of the feed-livestock economy and its endogenous mechanism. J. Farm Econ. 35:44-61. Feb.1953. 280.8 J822

37762 GALLETTI, A. C. Livestock panorama in Volterra. (In Italian.) Riv. di Zootec. 25:359-361. Dec. 1952. 49 R52

37763 GELOS, A. La industria porcina no se ha desarrollado con normalidad por la falta de orientación definida y precios estabilizados. Uruguay. Inst. Nac. de Colon. B. 3(33):4-6. Nov.1952. 282.29 Ur8
Uruguay.

37764 GRILO, H. Plan for livestock promotion in the Federal District. (In Portuguese.) (Sum.) Lavoura 56:25. Sept./Oct.1952. 9.2 L39

37765 HARDENBERGH, W. Looking ahead with the meat industry. Amer. Cattle Prod. 34(9):11-12,14. Feb. 1953. 49 P94

37766 HARDENBERGH, W. Looking ahead with the meat industry. Natl. Wool Grower 43(2):13-15. Feb. 1953. 45.8 N21N

37767 HARVEY, N. Wot, no beef? New Statesman & Nation 45:32. Jan.10,1953. 280.8 N2132
Great Britain.

37768 HEDGES, T. R., and BAILEY, W. R. State's productive capacity. Calif. Agr. [Calif. Sta.] 6(12):2,10. Dec.1952. 100 C12Cag
Livestock & livestock products.

37769 HOCHMUTH, H. R. Utah's range sheep industry on decline. Farm & Home Sci. [Utah Sta.] 13:88-89,98. Dec.1952. 100 Ut1F

37770 JOHNSON, B. K., and BISSELL, J. M. Some effects of population changes on western beef production. N. Y. Agr. Col. Farm Econ. 188:4949-4930. Jan.1953. 280.8 C812

37771 KAMMLADE, W. G. The sheep industry—this way or that way. Wyo. Wool Grower 26(11),i.e.9(32):4-6. Jan.1,1953. 280.38 W99

37772 KAMMLADE, W. G. Trends toward and in animal agriculture. Natl. Inst. Anim. Agr. Proc. 2:62-70. 1952. 49.9 N219

37773 KOTWAL, K. F. Indian bristle: exports-supply-sales during 1952. Brushware 55(4):26-27,47. Feb.1953. 300.8 B79

37774 LANUS, A. J. Cómo afrontó Buenos Aires en 1818 la crisis en materia de carnes. Res 21:27680-27682. Jan.5,1953. 286.85 R31

37775 LARSEN, J. Animal husbandry 1952. (In Danish.) Dansk Landbr. 72:11-15. Jan.1953. 280.28 V91

37776 LEROY, A. M. La production ovine dans la métropole et en Afrique du Nord. Rev. de l'Élevage 8:146-147,149. Feb.1953. 49 B462

37777 LICHTENBERG, D. Meet livestock problems with intelligent planning. West. Livestock Rptr. 13(21): 12,20. Jan.21,1953. 286.85 W523

37778 LOCATELLI, C. A. La explotación cunícola es un buen negocio. Mundo Agr. 4(42):59. Nov.1952. 9 M92

37779 MALONE, C. C. The cattleman sizes up the future. Natl. Live Stock Prod. 31(4):10,22. Feb.1953. 280.38 N21

37780 MILLER, E. E. Cattle feeding prospects. Agr. Situation [Washington] 37:2. Jan.1953. 1 Ec7Ag

37781 MOLLIN, F. E. What's ahead for the cowman. West. Livestock 38(5):23,123,127. Dec.1952. 49 W523
Beef cattle situation.

37782 MORTON, P., JOHNSON, L., and BEATY, E. What animal agriculture means to me. Natl. Inst. Anim. Agr. Proc. 2:72-81. 1952. 49.9 N219

37783 MUILWIJK, E. VAN. Netherlands cattle raising. VIII. (In Dutch.) Nieuwe Veldbode 19:244-245. Dec.18,1952. 12 V542N

37784 NEW ZEALAND'S meat industry. Bank N. S. Wales. Rev. 11:7-10. Nov.1952. 284.9 B2295R

37785 O'DONOVAN, J. Livestock. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:105-107. 1951/52. 10.5 An7
The industry in Ireland.

37786 OUELLET, A. Faut-il encore garder des porcs? Ferme 14(3):12-13. Nov.1952. 7 F38
The industry in Canada.

37787 PIAGGIO, F. El conejo es un buen negocio. Mensajero Agr. 77:43. Oct./Nov.1952. 9.8 M52
Peru.

37788 PICAZO, E. El porvenir del cerdo en México. Tierra [México] 7:740-741. Nov.1952. 8 T445

37789 PRINGLE, K., and PRINGLE, H. Die räucherkammer der USA. Landwirt. Nachr. aus den Ver. Staat. 7(142):10-11. Dec.15,1952. 6 L232
Smithfield ham industry in Virginia.

37790 QUEENSLAND. MEAT INDUSTRY BOARD. Year book—1952. Brisbane,1952. 31 p. 286.3509 Q3

37791 ROBINSON, T. C. M. The livestock industry of the U.S.A. Inst. Insp. Stock N. S. Wales. Ybk. 1952:71-74. 41.9 In73

37792 RUBIN, I. A. Recent developments in the bristle industry. Brushware 55(3):16,18,21. (Concl.) Jan. 1953. 300.8 B79

37793 SAALEN, H. Streiflichter der entwicklung der schweinezucht in den letzten 100 jahren in Baden. Bad. Landwirt. Wchnbl. 120:29-30. Jan.3,1953. 18 B142

37794 SAMPIER, J. What do we see for 1953? Natl. Live Stock Prod. 31(4):6,22. Feb.1953. 280.38 N21

37795 SAUNDERSON, M. H. Economic changes in Montana's range sheep industry. West. Livestock Rptr. 13(21):6-7. Jan.21,1953. 286.85 W523

37796 SCHOEPPEL, A. F. Govt. controls and orders. (Extr.) Amer. Cattle Prod. 34(9):23-26. Feb.1953. 49 P94
Livestock prices.

37797 SERTOLI, A. Provincial livestock trends. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(10):13-14. Oct.1952. 287 So5

37798 TASMANIA. MEAT BOARD. Report for year 1951-52. Hobart,1952. 6 p. 50.9 T18

37799 TAVORA, B. The problem of meat supply. (In Portuguese.) Granja [Porto Alegre] 8(65/66):48-49. Aug./Sept.1952. 9.2 G76
Program for Brazil.

37800 TAVORA, B. The problem of the meat supply. (In Portuguese.) Lav. e Criação 7(42):59-60. Sept.1952. 49 L392
Brazil.

37801 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Livestock and Meat Industries Control Board for the accounting year 1st May, 1950 to 30th April, 1951 and the balance sheet as at 30th April, 1951. Pretoria, 1952. 29 p. 286.3409 So8

37802 VAUGHN, H. Meat around the world. Natl. Wool Grower 43(2):33-35,38-39. Feb.1953. 45.8 N21N
Includes food habits aspects.

37803 VIEIRA, G. V. N. Program developed by the Ministry of Agriculture for the development and protection of sheep production in our State [Rio Grande do Sul]. (In Portuguese.) Granja [Porto Alegre] 8(65/66):70-74. Aug./Sept.1952. 9.2 G76

37804 WARNER, J. H. "Cautious" seems to be the word for Corn Belt feeders. West. Livestock Rptr. 13 (21):11. Jan.21,1953. 286.85 W523

37805 WATSON, C. B. Meat maker's program. Breeder's Gaz. 118:11,24. Jan.1953. 49 B74
Prices and marketing.

37806 WHITLOCK, R. The land first: V. The beef of old England; government support for a long-term policy is needed to maintain increasing production. Field 201:50-51. Jan.8,1953. 10 F45

37807 ZANNONI, I. Livestock raising in rank of production. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.) 98:456-457. Nov.1952. 16 C72

Analysis and Composition

37808 BENDALL, J. R., and MARSH, B. B. The biochemistry of muscular tissue in relation to loss of drip during freezing. Internatl. Cong. Refrig. Proc. 8:351-354. Ref. 1951. 295.9 In82
Meat.

37809 BERGH, F., JEPSEN, A., and OLSEN, E. M. Investigation on the effect of freezing on the bacteria contents of ground meat. (In Danish.) Kulde 6:20-22. Apr.1952. 295.8 K95

37810 CASTRO ROMERO, A. Compresómetro para determinación simultánea de finura y densidad de vellón. Arch. de Zootec. 1:326-356. Ref. 1952. 49 Ar22
English summary.

37811 DOADRIO, A., and NUÑEZ-SAMPER, M. Extractos de carne y productos similares; su composición y técnicas analíticas empleadas. An. de Bromatología 4:205-217. Ref. 1952. 389.8 An1
English summary.

37812 ELLIS, S. C., MITTON, R. G., and PANKHURST, K. G. A. An apparatus for the simultaneous determination of grease in large numbers of samples of leather. Soc. Leather Trades' Chem. J. 36:401-409. Dec.1952. 303.9 So12

37813 HORN, D. H. S., HOUGEN, F. W., and RUDLOFF, E. VON. Constitution of the hydroxyacids of wool wax. Chem. & Indus. 5:106. Jan.31,1953. 382 M31C

37814 JONES, O., and DEATHERAGE, F. E. The diethylstilbestrol content of the meat from chickens treated with this estrogenic substance. Food Res. 18:30-34. Ref. Jan./Feb.1953. 389.8 F7322

37815 KUTIANIN, G. I. Heat resistance of collagen and dried tanned leather. (In Russian.) In Akademiia Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozfaistve, p.139-146. Ref. Moskva, 1952. 387.1 Ak12

37816 MAESER, M. Resistance of sole leather to grain cracking and piping. Amer. Leather Chem. Assoc. J. 48:41-53. Jan.1953. 303.9 Am32

37817 SIMMONS, C. W. R. The structure of casings. Meat Mktg. 26:23. Jan.1953. 389.8 Im72
For sausages.

37818 SIMONCINI, E. Proposed agreement for leathers intended for civilian consumption. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti B. 28:316-332. June 1952. 303.8 It1
Analysis and composition in Italy.

37819 WEISS, T. J., GREEN, R., and WATTS, B. M. Effect of metal ions on the formation of nitric oxide hemoglobin. Food Res. 18:11-16. Jan./Feb.1953. 389.8 F7322
In meat.

37820 WIEDERHORN, N. M., REARDON, G. V., and BROWNE, A. R. Studies concerned with the structure of collagen. III. Amer. Leather Chem. Assoc. J. 48:7-20. Ref. Jan.1953. 303.9 Am32
Includes discussion.

Consumption and Utilization

37821 ARGAILLOT, L. L'utilisation des sous-produits de la viande aux abattoirs de Villefranche-d'Allier (Allier). France. Min. de l'Agr. B. Tech. d'Inform. 75:771-781. Dec.1952. 14 F844B

37822 ROTH, R. O. Homemakers service. Natl. Wool Grower 43(2):22-23. Feb.1953. 45.8 N21N
Consumer education in meat.

Distribution, Marketing, and Transportation

37823 APPLEGATE. National Rabbit Week. Calif. Rabbits Mag. 16(7):4. Feb.1953. 40.28 Sa5

37824 APPLEGATE, F. Report on Rabbit Week. Amer. Rabbit J. 23:26-27. Feb.1953. 40.28 Am3

37825 DODD, T. Livestock auctions in Texas. Tex. A. & M. Agr. 11:6,14. Nov.1952. 276.8 T31

37826 EVERKE, H. Der diplomlandwirt als landwirtschaftlicher auktionator. Diplomlandwirt 2:116. Nov.1952. 18 D62
Germany.

37827 HALL, M. Irish bloodstock sales. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:22-24. 1951/52. 10.5 An7

37828 HARTSON, C. R. Livestock marketing. Mont. State Col. Farmer 6:7,21. Dec.1952. 276.8 M76

37829 HASL. Gefahrenübergang beim viehkauf. Allgäuer Bauernbl. 20:690. Dec.11,1952. 18 AL53

37830 HENNESS, K. K. Marketing beef by air from the Beni. Ariz. Cattlelog 8(5):29-35. Jan.1953. 43 Ar42

37831 INDIA. DIRECTORATE OF MARKETING AND INSPECTION. Report on the marketing of hides in India. Ed. 2. Delhi,1952. 212 p. 280.39 In2

37832 KING, B. Shipping dogs by air. Cocker Spaniel Visitor 15:8. Jan.1953. 48.8 C64

37833 KRAMER, R. C. Retailing prepackaged meat; the effect on sales and labor costs. Mich. Agr. Expt. Sta. Spec. B. 385,27 p. Nov.1952. 100 M58S

37834 LANGLAIS. Le marché du porc. Agriculture [Paris] 16:274. Nov.1952. 14 Ag823

37835 MCNEELY, J. G. Channels of beef marketing. West. Farm Econ. Assoc. Proc. 25:24-27. 1952. 280.9 W527P

37836 O'FLYNN, M. Air transport of bloodstock. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1: 25-26. 1951/52. 10.5 An7

37837 PORTLAND UNION STOCK YARDS CO. Forty-third annual report, the year of 1952 with a summary for the years 1909-1952. North Portland,1952. 16 p. 49.9 P83

37838 REES, H. In a showcase market; here's how the Western Slope Hereford Assn. built a good-doing sale that put dollars in the pockets of breeders and producers alike. Rec. Stockman, Annu. Ed. 64:195-196,198-199. Jan.1,1953. 49 D43

37839 SEARS, ROEBUCK AND CO. Now we know! 13.7% savings on food by using a home freezer and buying meats at a locker plant. Locker Mangt. 6(12):12-17. Dec.1952. 389.8 L79

37840 THORP, J. Thorp Hereford Farms owner gives lowdown on what goes into staging livestock sale. West. Livestock Rptr. 13(21):21,24. Jan.21,1953. 286.85 W523

37841 U. S. EXTENSION SERV. Summary of questionnaire to States regarding feeder calf auction demonstration sales, sponsored or cooperated with the State extension services, by L. M. Schruben. Washington,1952. 8 p. 1.913 A5Su6

37842 U. S. PRODUCTION AND MARKETING ADMIN. List of stockyards posted under the Packer and Stockyards Act, 1921. Washington,1952. 18 p. 1.9 Ag89L

37843 VICKERY, J. R., HALES, K. C., and HOLMES, N. E. The overseas transport of chilled and frozen beef. Internatl. Cong. Refrig. Proc. 8:652-658. 1951. 295.9 In82
Includes discussion.

Grading, Inspection, Standardization, and Quality

37844 ARDERIU, V. M. Clasificación de pieles de conejo. Res 21:27708. Jan.5,1953. 286.85 R31

37845 CANADA. MARKETING SERV. CONSUMER SECT. Beef. Ottawa,1952. folder. 50 C165
Cuts and grades.

37846 DUMONT, B. A propos des concours d'ovins abattus. France. Min. de l'Agr. B. Tech. d'Inform. 74: 695-711. Ref. Nov.1952. 14 F844B
France.

37847 HEINICHEN, W. E. Factors affecting the value of Karakul pelts. Farming So. Africa 27:467. Oct.1952. 24 So842

37848 KELLER, H. Beitrag zur entwicklung der tierärztlichen nahrungsmittelkunde mit besonderer berücksichtigung der letzten 60 jahre. Deut. Tierärztl. Wchnschr. 60:42-46. Jan.7,1953. 41.8 D482

37849 LONGWILL, A. Pig competitions show value of rapid growth-rate. New Zeal. J. Agr. 85:377,379,381-382. Nov.15,1952. 23 N48J

37850 MACEWAN, G. The story of a steer. Canad. Cattlemen 15(11):18-19. Nov.1952. 49 C16
Carcass yields.

37851 MEYER, A. R., and WHITTLE, B. What's wrong with hog marketing? The new USDA hog grades may encourage our stock farmers to produce leaner pork. East. Feed Merchant 4(2):31,33,82-83. Feb.1953. 389.78 Ea7

37852 PALMER, A. Z., and others. Deterioration in frozen pork as related to fat composition and storage treatments. Food Technol. 7(2):90-95. Feb.1953. 389.8 F7398
D. E. Brady, H. D. Naumann, and L. N. Tucker, joint authors.

37853 PALMER, A. Z., and others. Deterioration in frozen pork as related to fat composition, storage temperature, length of storage period and packaging treatment. Mo. Agr. Expt. Sta. Res. B. 492,67 p. Ref. Apr.1952. 100 M693

D. E. Brady, H. D. Naumann, and L. N. Tucker, joint authors.

37854 RAPP, B. Quality requirements for nutria. (In Swedish.) Vâra Pälsdjur 23:296-298. Nov.15,1952. 410 V42

37855 RODDY, W. T., O'FLAHERTY, F., and JACKSON, L. Mange damage in leather. Shoe & Leather Rptr. 269(3):15-16. Jan.17,1953. 303.8 Sh7

37856 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The first official hog grades, by H. E. Reed and J. Towers. Washington,Sept.13,1952. 3 p. 1.914 R2R11

37857 VIACAVA, A. M. Cortes de media res vacuna tipo carniceria. Res 21:27678-27679. Jan.5,1953. 286.85 R31

Carcass cuts.

Packing and Packaging

37858 EMPEY, W. A. Meat packaging and processing, a productivity team report. Food Technol. Austral. 4:341,343-344,355. (Concl.) Nov.1952. 389.8 F7333

Prices, Price Control, and Rationing

37859 CORBETT, R. B. Some problems common to producers and retailers. Breeder-Stockman 14(9):18,120-123. Feb.1953. 49 V81

Retail price of beef.

37860 FORD, R. G., and OTTOSON, H. W. Plan your cattle feeding for profit. Natl. Live Stock Prod. 31(4):12, 24,27. Feb.1953. 280.38 N21

In relation to prices.

37861 HARTMANS, E. H. M. Development of hog prices. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:441-449. Dec.1952. 12 N383M

37862 HUSHEN, S. What good is quality? A graphic look at [beef cattle and hog] prices. Livestock Wk. 7(8): 12-13. Dec.25,1952. 49 L753

37863 LARA BORRERO, O. Los precios del ganado. Soc. Antioqueña de Agr. B. Agr. 387:3534-3537. July 1952. 9.4 So1

Colombia.

37864 LIGGETT, L. Look at how the housewife thinks of her pocketbook. Rec. Stockman, Annu. Ed. 64: 53,59. Jan.1,1953. 49 D43

Meat prices.

37865 MEADLEY, D. R. Trends in store sheep prices. Westralian Farmers' Co-op Gaz. 23:79,81-82. Sept.1952. 280.28 W522

37866 SHAW, S. Beef cattle in the competitive market. Calif. Cattleman,Feb.1953:4-6. 43.8 C12

Processing and Storage

37867 ALOUIS, J. Les séchoirs a saucissons. Rev. Prat. du Froid 8(2):26-28,37-39. (Cont.) Nov.1952. 295.8 R323

37868 ANNUAL meat packers guide, 14th, 1953. Chicago,1953. 395 p. 225 An77

Issued by the National Provisioner, Inc.

37869 ASGHAR, S. Approach to modern flaying in Pakistan. Leather Trades' Rev. 106:765-768. Dec. 31,1952. 303.8 L48

37870 BERGH, F. "Drip" from meat. (In Danish.) Kulde 6:37-42. Ref. Aug.1952. 295.8 K95

Freezing of meat.

37871 BERTONE, A. Hides and the art of tanning through the centuries. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti B. 28:333-343. June 1952. 303.8 It1

37872 BOSSE, R. Kombinierte gerbverfahren zur herstellung schwerer und leichter leder. Leder 3:97-102. Ref. May 1952. 303.8 L492

English summary.

37873 BREWSTER, J. A. The economic aspects of refrigeration in the meat trade. Inst. Refrig. Proc. 47: 77-97. 1950/51. 295.9 C67

Includes discussion.

37874 CORDING, J., and others. Low-temperature solvent fractionation of animal fats. I. Amer. Oil Chem. Soc. J. 30(2):66-70. Feb.1953. 307.8 J82

M. J. Willard, P. W. Edwards, and R. K. Eskew, joint authors.

37875 DAVID, J. Careful freezing means better quality. Macdonald Farm. J. 13(4):12-13. Dec.1952. 101 M144

Meat.

37876 DE, J. K. An investigation on bleaching of vegetable tanned light leathers. Tanner 7(7):15-18. (Cont.) Dec.1952. 303.8 T15

37877 DEBROT, S. Des saumures. Path. Gén. 52: 599-605. Nov.1952. 448.8 R326

Meat.

37878 EMPEY, W. A., and HOWARD, A. A review and discussion of the problem of drip formation in meat and fish. Internatl. Cong. Refrig. Proc. 8:348-351. 1951. 295.9 In82

37879 GERBUNG. Mittbl. f. den Jungen Gerberei-Tech. 2:69-72. (Cont.) 1952? 303.8 M69

37880 GERBUNG mit pflanzlichen und synthetischen gerbstoffen. Mittbl. f. den Jungen Gerberei-Tech. 2: 93-96. (Cont.) 1952? 303.8 M69

37881 GRASSMANN, W., and STADLER, P. Verfahren zur aufhellung vegetabilisch gegerbter leder. Leder 3:289-293. Ref. Dec.1952. 303.8 L492

English summary.

37882 GUILLOT, G. La congélation des viandes désossées en caisses. Internatl. Cong. Refrig. Proc. 8: 544-547. 1951. 295.9 In82

37883 HECK, M. C., and RUBY, E. S. Delayed chilling of pork carcasses affects the meat. Ark. Farm Res. 1(4):6. Winter 1952. 100 Ar42F

37884 HEMSEN, B. Care of mink furs. (In Norwegian.) Norsk Pelsdyrbl. 26:428-429. Dec.5,1952. 412.628 N812

37885 KLEPPENES, K. Pelting of mink. (In Norwegian.) Vâra Pälsdjur 23:285-287. Nov.15,1952. 410 V42

37886 LUSK, A. P. So you contemplate becoming a processor. Amer. Rabbit J. 23:22-23. Feb.1953. 40.28 Am3

37887 MCKEE, H. H. Report to the Government of Ireland on I. The processed meat and meat products industry. II. The protein feed and related products industry. n.p.,1952. 23 p. 50 M19

37888 MIKHAĬLOV, A. N. Protein problems in the chemistry of leather manufacture. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaĭstve, p.117-129. Ref. Moskva,1952. 387.1 Ak12

37889 OLIVER, A. W., and HARVEY, E. W. Home curing of meats and fish. Oreg. State Col. Ext. B. 731, 10 p. Dec.1952. 275.29 Or32B

37890 OREGON STATE COLLEGE. FOOD TECHNOLOGY DEPT. Freezing meat, poultry, fish, seafoods, and game. Oreg. State Col. Ext. B. 732,16 p. Jan.1953. 275.29 Or32B

37891 PELACH, M. P. DE. Theoretical consideration in tanning. Tanner 7(6):23-26. (Cont.) Nov.1952. 303.8 T15

37892 PERLMUTTER. L'ennoblissement des peaux de mouton dans l'industrie de la fourrure. Rev. Tech. des Indus. du Cuir 44:225-232. (Cont.) Dec.1952. 303.8 C89

37893 QUENDT, E. Über die entstehung von gezogenem narben bei vegetabilischer gerbung. Leder 3: 269-273. Nov.15,1952. 303.8 L492

English summary.

37894 RAY, L. R., and BEEKMAN, E. Tanning leather in the large tanneries. (In Portuguese.) Fazenda 48:26-29. Jan.1953. 6 H11P

37895 RUTTAN, V. W. Technological progress in the meat packing industry, 1919-1947. Chicago,1952. 78 p. 50 R93

Thesis - University of Chicago.

37896 SACCO, P. Preservation of meat in Italy in its hygienic, sanitary, commercial and industrial aspects. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statis. 5(9):16-26. Sept.1952. 280.9 M587B

37897 SAUER. Wirtschaftliche trichinosebekämpfung durch tiefgefrieren. Kälte 5:285-286. Nov.1952. 295.8 K122

37898 SCHULTZ, G. W. Evaluation of some vegetable tanning materials; a rapid method used as a guide in practical operations. Leather & Shoes 125(5):8-9,36. Jan.31,1953. 303.8 H53

37899 STEFANOVICH, I. P. Changes in structure and chemical properties of collagen and keratin during processing of furs. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaĭstve, p.154-161. Ref. Moskva,1952. 387.1 Ak12

37900 3D NATIONAL Leather Congress, Naples, May 31-June 2, 1952, organized by the Experiment Station for the Hides and Tanning Materials Industry and the Italian Association of Leather Chemists. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti B. 28:287-315. June 1952. 303.8 It1

37901 TRAVIS, H. J. Have meat-packing stocks ended their slump? Mag. Wall St. 91:588-589,607-609. Feb.21,1953. 286.8 M27

37902 VILLEGAS RODAS, M. Moderna curtiduria en el Quiché. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(10):51,56. Oct.1952. 8 G937M

37903 VLIMMEREN, P. J. VAN. Theoretical observations on the tanning process. I. (In Dutch.) Chem. Weekbl. 48:945-950. Ref. Dec.6,1952. 385 C42

37904 WEIL, L. Textile leathers and their manufacture. Leather Trades' Rev. 104:223-226. April 30, 1952. 303.8 L48
Processing of hides and skins.

37905 WOODROFFE, D. Tanning of Indian sheepskins and goatskins. Tanner 7(6):15-18. Nov.1952. 303.8 T15

37906 ZAÏDES, A. L. Changes in the thin structure of collagen during the process of leather manufacture. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaĭstve, p.130-138. Ref. Moskva,1952. 387.1 Ak12

Statistics

37907 DOMINICAN REPUBLIC. DIRECCIÓN GENERAL DE ESTADÍSTICA. Sacrificio de ganado 1951, vol. XV. Ciudad Trujillo,1952. 50 p. 254.8 D7192S

37908 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Viehhaltung in den land- und forstwirtschaftlichen betrieben. Heft 2. Ergebnisse der landwirtschaftlichen betriebszählung vom 22. Mai 1949. Germany. Statis. Bundesamt. Statis. der Bundesrepub. Deut. 24,278 p. 265 G318

37909 HARTARD EBERT, M. Beneficio de vacunos en mataderos. Campesino [Santiago] 84(12):15. Dec.1952. 9.3 So12
Statistics for Chile.

37910 HÖNL, V. Schlachtungen und fleischanfall im wirtschaftsjahr 1951/52 in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:342-343. Nov.1952. 265 St24
Statistics.

37911 KOTWAL, K. F. Indian bristle: exports-supply sales during 1952. Brushware 55(3):14-15,31. (Cont.) Jan.1953. 300.8 B79
Statistics.

37912 MOLTESEN, P. A. The meat supply of Great Britain. (In Danish.) Denmark. Landbraadet. Meddel. 3:48-50. Jan.15,1953. 11 D415L
Statistics.

37913 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50: special report series, No. 11. Livestock: cattle including calves. Pretoria,1952. 26 p. 270. So87L

37914 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50; special report series, No. 12. Live-stock: sheep and goats. Pretoria,1952. 54 p. 270 So87L

37915 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50, Special report series, No. 13. Live-stock: pigs, horses, mules, donkeys, poultry and ostriches. Pretoria,1952. 46 p. 270 So87L

37916 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Special report series, No. 15. Pastoral products. Pretoria,1952. 55 p. 270 So87L
Livestock products.

37917 U. S. BUR. OF AGRICULTURAL ECONOMICS. Cattle on feed, January 1, 1953. Washington,1953. 2 p. 1.9 Ec742Caf

37918 U. S. BUR. OF AGRICULTURAL ECONOMICS. Lamb feeding situation, November 1, 1952. Washington, 1952. 2 p. 1.9 Ec742Lam

37919 U. S. BUR. OF AGRICULTURAL ECONOMICS. Sheep and lambs on feed, January 1, 1953. Austin,1953. 2 p. 1.941 H8Sh33
Also report issued from Portland, Oreg.

37920 WIRTH, H. Die struktur der schweinehaltung in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:312-313. Oct.1952. 265 St24
Statistical.

OILS AND OILSEEDS

37921 ABRAMOVICH, Z. D. Production of soybean flour from edible oilcake and meal. (In Russian.) Masl.-Zhir. Promysh. 17(8):3-5. Aug.1952. 307.8 M37

37922 ADDOR, A. Preparation of soybean flour. (In Portuguese.) Lavoura 56:45. Sept./Oct.1952. 9.2 L39

37923 ARGENTINA. DIRECCIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN DE FOMENTO Y CONTRALOR DE LA PRODUCCIÓN. Semillas oleaginosas en el lino. Argentina. Dir. Nac. de Granos y Elevadores. B. Inform. 13:104-107. June 30,1952. 286.81 Ar3
Standards.

37924 ARNOLD, L. K., and CARVEY, R. M. Preliminary studies on the application of certain chlorinated solvents to soybean oil extraction. Amer. Oil Chem. Soc J. 30(2):81-83. Feb.1953. 307.8 J82

37925 BALBI, G. Blown oils. (In Italian.) Olearia 6:335-345. Ref. Nov./Dec.1952. 307.8 OL2
English summary.

37926 BENEDETTI, A. Production and marketing. (In Italian.) Olivicoltura 7(10):3-6. Oct.1952. 80 OL42
Italy.

37927 BERTIN, M. L'huile d'amandes douces d'autrefois. Parfumerie Mod. 44:46-48. Nov./Dec.1952. 308.8 P213

37928 BIENAYMÉ, A. L'économie du palmier à huile en Nigeria. Oléagineux 8:9-14. Jan.1953. 77.8 OL2

37929 BOELHOUWER, C., and others. Displacement of the double bonds during hydrogenation of unsaturated fatty acid methyl esters. Amer. Oil Chem. Soc. J. 30(2): 59-61. Ref. Feb.1953. 307.8 J82
J. Gerckens, O. T. Lie, and H. I. Waterman, joint authors.

37930 BOGUSLAWSKI, E. VON. Neue untersuchungen über den anbau von sommerölpflanzen. Fette u. Seifen 54:737-743. Dec.1952. 384 C422

37931 BOISSEBLE, G. DE. Au Maroc: oliviers et olives. Rustica 26:10. Jan.4,1953. 14 R92
The industry.

37932 BOUDREAUX, E. C. Enforcement of the oleomargarine amendment. Food Drug Cosmetic Law J. 7:810-815. Dec.1952. 389.58 F732
Regulation.

37933 BRYSON, H. C. Dehydration of castor oil. Paint, Oil & Chem. Rev. 116(3):12,14,16-18,20. Jan.29, 1953. 306.8 P16

37934 CAMPO, E. DEL. El estado de los olivares en España. B. de Oleicult. Internac. 2(9):48-50. July/Aug.1952. 307.8 B68

37935 CHAUHAN, D. S. Vegetable oil industry in ancient India. Oils & Oilseeds J. 5(6):6-8. Dec.1952. 307.8 Oil54

37936 CLEVER, H. Prüf- und kontrollmethoden in der fettindustrie mit hilfe der dielektrizitätskonstante. Fette u. Seifen 54:785-786. Dec.1952. 384 C422

37937 CLINGMAN, A. L., and SUTTON, D. A. The chemistry of polymerized oils. II. Amer. Oil Chem. Soc. J. 30(2):53-56. Ref. Feb.1953. 307.8 J82

37938 CREA, V. From 3 to 4 millions of lire are lost in olive growing through lack of protection. (In Italian.) Gior. di Agr. 63:6. Jan.4,1953. 16 It1G
Price control of olive oil in Italy.

37939 CROSSLEY, A., and HILDITCH, T. P. The component glycerides of Stillingia oil. J. Sci. Food & Agr. 4:38-44. Ref. Jan.1953. 382 So12

37940 CSŰROS, Z., GÉCZY, I., and SZABÓ, D. Investigations on catalysts. X. Rate and selectivity of hydrogenation of sunflower oil in the presence of nickle formate catalyst. Acta Chim. 2:33-56. Ref. 1952. 385 Ac83

37941 DHINGRA, D. R., GUPTA, G. N., and SHUKLA, U. N. The otto of Bela or Jasminum sambac. Perfumery & Essential Oil Rec. 44:11-14. Jan.1953. 308.8 P41

37942 DOMINGO, W. E. The development of domestic castor bean production. Econ. Bot. 7:65-75. Jan./Mar. 1953. 450 Ec7

37943 ERICSON, A. T., and CLEGG, R. E. Effect of varying the urea concentration on the efficiency of the extraction of unsaturated fatty acids from corn-oil. Kans. Acad. Sci. Trans. 55:493-498. Dec.1952. 500 K13T

37944 FISCHER, L., KAHL, R. J., and HALL, N. A. A study of the relationship of viscosity to free menthol content of Oregon and Washington peppermint oils. Amer. Pharm. Assoc. J. Sci. Ed. 42:33-35. Jan.1953. 396.9 Am33J

37945 FOLCH JOU, G. El olivo y su aceite en la farmacia preterita. B. de Oleicult. Internac. 2(9): 13-22. July/Aug.1952. 307.8 B63
English summary, p. 82.

37946 FOLCH JOU, G. El olivo y sus derivados en la farmacia actual. B. de Oleicult. Internac. 2(10):19-31. Sept./Oct.1952. 307.8 B63
English summary, p. 113-114.

37947 FONTANA, E., and ARESPACOCHAGA, J. DE. El problema mundial del aceite de oliva y su proyección en el ámbito nacional. B. de Oleicult. Internac. 2(10):9-18. Sept./Oct.1952. 307.8 B63

37948 FONTANA, H. Los disolventes más apropiados para la extracción de los aceites de orujo. Ion 12:574-577. Nov.1952. 385 Io6

37949 FREZZOTTI, G. The old way does not give way to the new in olive oil extraction systems. (In Italian.) Agricoltura 1(12):26-32. Dec.1952. 16 Ag8226

37950 FUERTES, J. 90.000 olivos, anegados. B. de Oleicult. Internac. 2(9):33-38. July/Aug.1952. 307.8 B63
France.

37951 GENUNG, A. B. Note on margarine. Metrop. Milk Prod. News 13:20-21. (Cont.) Jan.1953. 280.28 M56
The industry.

37952 GEORGIA. STATE ENGINEERING EXPERIMENT STATION, ATLANTA. Analytical study of the sampling and grading of farmers' stock peanuts, by J. J. Moder. Atlanta,1952. 44 p. (Project No. 168. Special Report No. 1) 77.9 G29A

37953 GERIGNY, P. Les prix de l'arachide sénégalaise et les décisions du gouvernement. Marchés Colon. du Monde 8:3094-3095. Dec.6,1952. 286.8 M33

37954 GIELER, R. Die einteilung der wachskörper. Prakt. Chem. 3:241-242. Oct.1952. 384 P88
Plant and animal waxes.

37955 GILLILAND, C. B., and SMITH, T. B. Peanut snack and peanut spread: potential new products. U. S. D. A. Mktg. Res. Rpt. 29,36 p. Ref. Dec.1952. 1 Ag84Mr

37956 GOLDBERG, R. A. The soybean industry, with special references to the competitive position of the Minnesota producer and processor. Minneapolis,U. Minn. Press,1952. 186 p. 281.360 G56

37957 GÖNENÇER, N. Oléiculture et l'huile d'olive dans la province de Gaziantep. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankasi. Uç Ayda Bir Çikar 25/26: 15-19. Jan./June 1952. 280.9 T842

37958 GUPTA, S. S., and MITRA, C. R. The component acids and glycerides of refined neem (Melia indica) oil. J. Sci. Food & Agr. 4:44-48. Ref. Jan.1953. 382 So12

37959 HERMIDA, E. V. Determinación del tenor oleaginoso por percolación en pequeñas muestras de semillas de lino. Arch. Fitotéc. del Uruguay 5:149-154. Ref. 1952. 102.5 Ur8A
English summary, p. 177-178.

37960 HUTCHINS, R. P. The solvent extraction of cottonseed. Amer. Oil Chem. Soc. J. 30(2):56-58. Feb. 1953. 307.8 J82

37961 JORAND, J. Le beurre de karité alimentaire. Oléagineux 8:15-18. Jan.1953. 77.8 OL2

37962 KING, W. H., and THURBER, F. H. An improved procedure for the purification of gossypol. Amer. Oil Chem. Soc. J. 30(2):70-74. Ref. Feb.1953. 307.8 J82

37963 LA FACE, D. Some essential oils produced in Calabria. (In Italian.) Riv. Ital. Essenze—Profumi-Piante Officinali—Olii Veg.—Saponi 34:537-539. Ref. Nov.15,1952. 308.8 R52

37964 LAU, K. Der rapsanbau in der Bundesrepublik. Landwirt. Wchnbl. 143:54,56. Jan.17,1953. 16 L2338
Area, production, and consumption.

37965 LEIGHTON, A. E. Candy factory planning. VI. Proper methods of storing edible oils, chocolate. Candy Indus. 18:9,12,34. Jan.13,1953. 389.8 C168

37966 LONCIN, M. Étude de l'alteration de l'huile de palme. Rev. des Ferment. et des Indus. Aliment. 7:159-169. (Cont.) Oct.1952. 390.08 R32

37967 MCKINNEY, R. S., and HOLMES, R. L. Loss of oil in hulling tung fruit in the field and at the mill. Amer. Oil Chem. Soc. J. 30(2):83-85. Feb.1953. 307.8 J82
R. L. Holmes, J. C. Minor, and G. F. Potter, joint authors.

37968 MICHAUX, R. M. E. Le role des instituts de recherches dans la mise en valeur des Territoires d'Outre-Mer et l'exemple des oléagineux. Rev. Internatl. des Prod. Colon. 27:195,197-202,216. Nov.1952. 286.8 R326

37969 MOLFINO, R. H. Situación de las grasas y aceites en Sudamérica. B. de Oleicult. Internac. 2(10): 70-73. Sept./Oct.1952. 307.8 B63
Statistical.

37970 MOOSAD, C. R. Economic possibilities of lemongrass oil industry on the West Coast. Madras Agr. J. 39:616-620. Dec.1952. 22 M262

37971 MORA SADABA, F. El olivo en el Perú. B. de Oleicult. Internac. 2(9):54-57. July/Aug.1952. 307.8 B63
The industry.

37972 MORA SADABA, F. El olivo en el Uruguay. B. de Oleicult. Internac. 2(10):67-69. Sept./Oct.1952. 307.8 B63
Situation and outlook.

37973 NATIONAL SOYBEAN PROCESSORS ASSOCIATION. Year book and trading rules 1950-1951. Chicago,1951. 74 p. 60.39 N21

37974 NEYBERGH, A. G., and GATIN, A. Note sur l'essence de Geranium du Kivu et du Ruanda. B. de Doc. et de Tech. Agr. 6(20):3-24. Ref. Second Q.1952. 24 B873

37975 NUNEZ, G., and SPITERI, J. Les constituants glucidiques des "margines"; présence de plusieurs oses. Soc. de Chim. Biol. B. 34:904-907. 1952. 383 So1

37976 PELLETT, K. Soybeans are going West. Soybean Digest 13(3):16-17. Jan.1953. 60.38 So9

37977 PISANI, R. Contribution à la propagande en faveur de l'huile d'olive de Tunisie. B. Econ. et Social de la Tunisie 71:28-34. Dec.1952. 280.8 B874

37978 PISCHEL, M. Die westdeutsche fettwirtschaft 1952. Milch-Fettwaren-Eierhandel 4:635. Dec.31,1952. 286.85 M59
Vegetable and animal fats.

37979 PLAZA PRIETO, J. Información de la Cuenca. B. de Oleicult. Internac. 2(10):52-54. Sept./Oct.1952. 307.8 B63
Olive oil.

37980 POLO DIEZ, M. En torno a la propaganda del aceite de oliva. B. de Oleicult. Internac. 2(9):3-11. July/Aug.1952. 307.8 B63
English summary, p. 81.

37981 POLSTIANOI, V. I. Peanut processing at the oil factories of Ukraine. (In Russian.) Masl.-Zhir. Promysh. 17(8):1-3. Aug.1952. 307.8 M37

37982 POMINSKI, J., and GORDON, W. O. Note on the use of calcium hydroxide in the preparation of peanut protein. Amer. Oil Chem. Soc. J. 30(2):88-89. Feb. 1953. 307.8 J82

37983 POTTS, R. H., and WHITE, F. B. Fractional distillation of fatty acids. Amer. Oil Chem. Soc. J. 30 (2):49-53. Feb.1953. 307.8 J82

37984 PROGRESS in the chemistry of fats and other lipids, v. 1. London,1952. 186 p. Ref. 307.8 P942
Contains papers by T. Malkin, W. Bergmann, P. Desnuelle, R. T. Holman, and H. J. Harwood.

37985 PUNTAMBEKAR, S. V., and RAO, P. R. Chlorophyll for colouration of vanaspati. Indian Forester 78:635-637. Dec.1952. 99.8 In2

37986 RAO G. S. K. DEV, S., and GUHA, P. C. Studies in sesquiterpenes. XII. Sesquiterpenes of the essential oil from the wood of the Himalayan deodar [Cedrus deodara]. Indian Chem. Soc. J. 29:721-730. Oct.1952. 385 In27

37987 ROSSINI, M. P. F. Determinación teórica del consumo "per capita" de aceite de oliva y demas aceites vegetales comestibles en la Republica Argentina. B. de Oleicult. Internac. 2(10):3-8. Ref. Sept./Oct.1952. 307.8 B63
English summary, p. 113.

37988 SAGARIN, E. Guatemala citronella, a portrait in oils. Amer. Perfumer & Essential Oil Rev. 61:32-34. Jan.1953. 308.8 Am3

37989 SANTACANA, L. Sobre los disolventes empleados en la extracción del aceite de orujo y las disponibilidades de azufre. Ion 12:456-458,465. Sept. 1952. 385 Io6

37990 SCHAFER, R. R. Fortschritte auf dem gebiete der anstrichmittel. 1. Trocknende, insbesondere konjugierte öle. Prakt. Chem. 3:294-301. Ref. Dec. 1952. 384 P88

37991 SCHLENKER, E. Relation between the structure of glycerides and their physical properties. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 34:556-558. Nov.15,1952. 308.8 R52
Includes vegetable oils.

37992 SCHOLTENS, C. Essence de bois de santal de Timor. Indus. Parfumerie 7:205. July 1952. 308.8 In2

37993 SCHUTTAUF, A. W. Cultivo de las simientes o frutos oleaginosos. B. de Oleicult. Internac. 2(10):74-75. Sept./Oct.1952. 307.8 B63
The situation of the industry in Germany.

37994 SHAW, A. C. The essential oil of Abies balsamea (L.) Mill. Canad. J. Chem. 31:193-199. Ref. Feb.1953. 470 C16B

37995 SMITH, P. I. The reversion of soybean oil. Amer. Perfumer & Essential Oil Rev. 61:72. Jan.1953. 308.8 Am3

37996 SOKOL'SKII, D. V., GOLODOV, F. G., and SOLOMIN, A. V. Hydrogenation of cottonseed oil with a copper-nickel catalyst on the carrier. (In Russian.) Masl.-Zhir. Promysh. 17(8):6-9. Aug.1952. 307.8 M37

37997 SPENGLER, G., and WÖLLNER, E. Beiträge zur bestimmung der säure- und verseifungszahl bei wachsen. Fette u. Seifen 54:744-748. Dec.1952. 384 C422

37998 TERRILL, R. L. Dehydrated castor oil. Paint, Oil & Chem. Rev. 116(4):13-14,14B,32. Feb.12,1953. 306.8 P16

37999 THALER, H. Die bestimmung des phosphors in phosphatidarmen fetten. Fette u. Seifen 54:763-765. Dec.1952. 384 C422

38000 TORNOW, E. Olpflanzen und ölmüllerei. Deut. Müller-Ztg. 51:10-11. (Cont.) Jan.7,1953. 298.8 Su2

38001 TOYAMA, Y. The fats industry in Japan. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 34:634-637. Dec.15,1952. 308.8 R52

38002 U. S. PRODUCTION AND MARKETING ADMIN. Approved methods for drawing and preparing official samples of cottonseed. Approved October, 1952. Washington,1952. 4 p. 1.956 C82Ap6

38003 VISWANATHA, T., and DE, S. S. Role of trypsin inhibitor in soyabean. Soc. Biol. Chem. India. Proc. 10:30-31. Oct.1952. 385 So13P

38004 WEINSCHENCK, G. Entwicklung der anbauflächen und preise im deutschen rapsbau. Agrarwirtschaft 1:343-347. Dec.1952. 281.8 Ag826

38005 WIDALY. Stabilisatoren für fette, öle und seifen. Seifen-Öle-Fette-Wachse 79:1-4. Jan.7,1953. 307.8 Se4
English summary.

38006 WOLFEL, K. Fettverderb in der feinbäckerei. Brot u. Gebäck 6:194-198. Ref. Dec.1952. 298.8 G33

38007 YANG, Y. H. General report on MSA soybean program for Taiwan fiscal year 1952. Chin.-Amer. Econ. Coop. 1(11):56-69. Nov.1952. 173.2 M98C

POULTRY AND POULTRY PRODUCTS

38008 ALBERTI, F. Alter wein in neuen schläuchen. Deut. Wirtgeflügelzucht. 5:38-40. Oct.25,1952. 47.8 D483
Poultry industry in Germany.

38009 ALCORN, G. B. Can we fence out eastern competition? San Diego Poultry J. 28:6-7,15-16. (Cont.) Dec.1952. 47.8 Sa52
Poultry and egg marketing.

38010 AUSTRALIA. EGG BOARD. Fifth annual report for year 1951-52. Sydney,1952. 21 p. 281.3479 Au72

38011 BEVAN, J. W. L., and CLARK, K. R. The egg situation, 1951-52. Poultry Assoc. Gt. Brit. Ybk. 1953: 12-24. 47.9 P864Y

38012 BRANT, A. W. Machine sorts eggs for shell color. Poultry Processing & Mktg. 59:12-13,25. Jan. 1953. 286.85 Eg3

38013 BRANT, A. W. Something is being done about egg quality. Hatchery & Feed 27(2):10-13. Feb.1953. 47.8 H28

38014 BROOKS, J., and HOLMES, N. E. The oiling and cold storage of English eggs. Internatl. Cong. Refrig. Proc. 8:538-541. 1951. 295.9 In82

38015 BROWN, W. W. Poultry trends. Saskatchewan Poultry Cat. 19:44-46. 1952. 47.8 Sa7

38016 CAMPBELL, E. M. Egg Grading Station Efficiency Competition. Saskatchewan Poultry Cat. 19:43. 1952. 47.8 Sa7

38017 CAUQUELIN. Les machines à plumer. Elevage et Cult. 4(48):20. Dec.1952. 24EL2

38018 CHAPMAN, P. W. Why the Southeast should make more money from poultry. Va. Poultryman 7:46-47,116-119. Jan.1953. 47.8 V812

38019 COMERFORD, M. Poultry. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:111-114. 1951/52. 10.5 An7
The industry in Ireland.

38020 CRAY, R. E. Cracked eggs costing industry too much money. Poultry Processing & Mktg. 59:10,22. Jan.1953. 286.85 Eg3

38021 CREEK, C. R., and POWELL, J. V. Consumer preferences and uses of eggs in Honolulu. Hawaii. Agr. Col. Agr. Econ. B. 4,32 p. Nov.1952. 280.9 H312

38022 CVETKOVIC, M. Jugoslawien als wichtiger geflügelproduzent und exporteur in Europa. Eier-, Wild-, Geflügel- u. Honig-Markt 4(151):14-15. (Cont.) Dec.23,1952. 280.38 Ei3

38023 CVETKOVIC, M. Jugoslawien als wichtiger geflügelproduzent und exporteur in Europa. Eier-, Wild-, Geflügel- u. Honig-Markt 5:3-4. (Concl.) Jan.7, 1953. 280.38 Ei3

38024 DZIELINSKI, B. P. A theoretical determination of poultry meat price and supply relationships in four major markets. Storrs,1952. 159 p. 281.347 D99
Thesis (M. S.) - University of Connecticut.

38025 FISCHER, C. M. Western States face increasing competition. Turkey World 28(2):22,80-83. Feb.1953. 47.38 T84

38026 FORSYTHE, R. H., AYRES, J. C., and RADLO, J. L. Factors affecting the microbiological populations of shell eggs. Food Technol. 7(2):49-56. Ref. Feb.1953. 389.8 F7398

38027 GROSS, E. J. Can shell egg handling costs be reduced? Poultry Processing & Mktg. 59(3):14-15. Mar. 1953. 286.85 Eg3

38028 HOLMES, N. E. The importance of quality in the marketing of home produced eggs. Poultry Assoc. Gt. Brit. Ybk. 1953:70-75. 47.9 P864Y

38029 HOUSH, C. C. Why turkeys in the Southeast? Va. Poultryman 7:44-45,131-133. Jan.1953. 47.8 V812

38030 INCHAUSPE, G. Observations sur la mise en conserve des oeufs par le froid. Rev. Prat. du Froid 8 (4):39-40. Jan.1953. 295.8 R323

38031 JØRGENSEN, H. Use of cold storage in the American egg industry. (In Danish.) Kulde 6:6-10,30-34. Feb.-June 1952. 295.8 K95

38032 KANTNER, A. H. Type of supplier and egg quality in retail food stores. N. Y. Agr. Col. Farm Econ. 188:4924-4925. Jan.1953. 280.8 C812

38033 KARPOFF, E. This year's outlook is bright for eastern poultry farmers. East. States Coop. 29(2): 8-9. Feb.1953. 280.28 Ea7

38034 KINTNER, T. C., and MANGEL, M. Survival of Staphylococci and Salmonellae experimentally inoculated into salad dressing prepared with dried eggs. Food Res. 18:6-10. Ref. Jan./Feb.1953. 389.8 F7322

38035 LARKIN, R. C. The commercial poultry industry in the Southeast: past—present—future. Va. Poultryman 7:42-43,120-126. Jan.1953. 47.8 V812

38036 LOOMIS, E. Y., DANKERS, W. H., and COOKE, C. E. Know the eggs you buy. Minn. U. Agr. Ext. Folder 174,6 p. Dec.1952. 275.29 M66Ex

38037 LOVERING, F. W. Florida turkeys top-notch; growers urged to use individual labels on packages. Fla. Grower 61(2):14,18. Feb.1953. 80 F6622

38038 MCALVEY, K. D., and DAWSON, L. E., and DAVIDSON, J. A. Emmet County (Michigan) poultry marketing survey. Mich. Agr. Expt. Sta. Q. B. 35:175-185. Nov.1952. 100 M58S

38039 MIDDLETON, C. A., and TAYLOR, H. M. Statistical summary, 1952, chick placements, poultry production and prices. Va. Poultryman 7:52-53,134-136. Jan.1953. 47.8 V812

38040 MILLER, J. P. Care and handling of hatching eggs. Pacific Poultryman 57(2):47,58. Feb.1953. 47.8 P112

38041 MOORE, A. C. What will happen when eggs are freed? Poultry 111:426. Dec.30,1952. 47.8 P869
From rationing in Great Britain.

38042 MORTENSEN, H. Eggs 1952. (In Danish.) Andelsbladet 54:14-15. Jan.1,1953. 280.28 An2
Chiefly prices and trade.

38043 NADEN, K. D., and JACKSON, G. A. Fryer grading; system of uniform USDA standards tested in Los Angeles retail markets. Calif. Agr. [Calif. Sta.] 7:3. Jan.1953. 100 C12Cag

38044 NEUMANN, M. Der letzte appell. Eier-, Wild-, Geflügel- u. Honig-Markt 4(149):1-2. Dec.17, 1952. 280.38 Ei3
Egg legislation in Germany.

38045 NIEMANN, J. Vor der bewährungsprobe. Eier-, Wild-, Geflügel- und Honig-Markt 5:1-3. Jan.7, 1953. 280.38 Ei3
German egg industry.

38046 NYBROTEN, N. Take 'em or leave 'em! Poultry Processing & Mktg. 59(3):18,31-32. Mar.1953. 286.85 Eg3
Egg marketing.

38047 PARRISH, C. F. Outlook for poultry for 1953. Tarheel Banker 31(8):11. Feb.1953. 284.8 T17

38048 PARSONS, R. W. Consumers like poultry in modern dress. Poultry Processing & Mktg. 59(3):13,20. Mar.1953 286.85 Eg3
Dressed and packed.

38049 RINEAR, E. Why whack them up? Mktg. Activ. 15(12):3-8. Dec.1952. 1.942 A8M34
Teaching modern merchandising methods at poultry and egg retailing schools.

38050 ROBINSON, L. The preparation of table poultry. Poultry Assoc. Gt. Brit. Ybk. 1953:86-93. 47.9 P864Y

38051 RÖMER, R. R. Das ei. Deut. Kleintier-Züchter Ausg. Geflügel 7(21):9-10. (Concl.) Nov.5,1952. 47.8 D484
Consumption.

38052 RÖMER, R. R. 3 wochen durch dänische und schwedische geflügelzucht und -haltung. Eier-, Wild-, Geflugel- u. Honig-Markt 4(143):5-7. Dec.3,1952. 280.38 Ei3

38053 ROY, P. Broiler production in Louisiana. La. Rur. Econ. 15:1,4-5,8. Feb.1953. 281.8 L93

38054 SCHLÜTTER, H. Die stellung der geflügelhaltung im bäuerlichen betrieb. Deut. Wirtgeflügelzucht. 5:72-74. (Cont.) Nov.8,1952. 47.8 D483

38055 SCHMIDT, J. Das deutsche qualitäts-ei in gefahr! Rückgang der deutschen erzeugung! Eier-, Wild-, Geflügel- u. Honig-Markt 4(143):1. Dec.3,1952. 280.38 Ei3

38056 SCHNEIDER, V. How to cash in on new egg markets in the West and South. Successful Farming 51(2): 38-39,82-83. Feb.1953. 6 Su12

38057 SENS, H. Ein beitrag zur steigerung des absatzes der "deutschen frischeier." Eier-, Wild-, Geflügel- u. Honig-Markt 5(6):1. Jan.14,1953. 280.38 Ei3

38058 STRATTON, G. A. Canadian chick grades. Saskatchewan Poultry Cat. 19:29. 1952. 47.8 Sa7

38059 SWEET, M. C. Hormonized chickens sell better. Poultry Processing & Mktg. 59:9,25. Jan.1953. 286.85 Eg3

38060 SWEET, M. C. Small turkeys are a good buy. Poultry Processing & Mktg. 59:16,28. Jan.1953. 286.85 Eg3

38061 TROTTIER, G. D. Les taches de sang dans les oeufs (incidence - origine - nature). Rev. d'Oka 26: 169-178. Ref. Nov./Dec.1952. 7 Ok1

38062 UNDERWOOD, R. E. "Yoking" for better marketing of poultry products. Everybodys Poultry Mag. 58(2):18,46-48. Feb.1953. 47.8 F213P

38063 U. S. PRODUCTION AND MARKETING ADMIN. Summary of meeting between representatives of poultry interests and USDA officials regarding USDA's statistics of the poultry industry (June 2 and 3, 1952). Washington, 1952. 7 p. 1.956 P86Su6

38064 WEGGE, W. Most hatchery users say "free chick days" work. Hatchery & Feed 27(2):20-23. Feb. 1953. 47.8 H28

38065 WESSELS-HOLTMANN, H. Qualitätsverbesserung der geflügelerzeugnisse. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:96. Jan.15,1953. 18 L2346

38066 ZICH, G. E. Central marketing agency formed by eastern co-ops. Poultry Processing & Mktg. 59(3):30. Mar.1953. 286.85 Eg3
Northeastern Poultry Cooperative Association, Inc.

RUBBER AND RUBBER SUBSTITUTES

38067 BREUVERY, H. DE. L'utilisation du caoutchouc dans les revêtements routiers. Soc. Belge d'Etudes et d'Expansion. B. Bimes. 51:904-908. Nov./Dec.1952. 280.8 So17

38068 COCKBAIN, E. G. Determination of particle size in natural latex. Inst. Rubber Indus. Trans. 28:297-302. Dec.1952. 305.9 In7

38069 HERBETTE, F. Un projet de stock régulateur des cours du caoutchouc. Rev. Gén. du Caoutchouc 29: 879-880. Dec.1952. 305.8 R32

38070 KIRSHENBAUM, A. D., STRENG, A. G., and NELLEN, A. H. A study of the oxidation of rubber by means of the isotopic method. Rubber Age 72:625-630. Ref. Feb.1953. 305.8 R82

38071 NARAYANASWAMY, B. V. Review of prices of raw rubber. Indian Rubber Bd. B. 2:3-6. Jan./June 1952. 78.9 In22

38072 PARKER, C. A., and BERRIMAN, J. M. Chromatographic analysis of vulcanised rubbers. Inst. Rubber Indus. Trans. 28:279-296. Ref. Dec.1952. 305.9 In7

38073 PATON, F. J., PEEL, J. D., and SUTNO, G. Factors affecting the stability of Hevea latex. II. Inst. Rubber Indus. Trans. 28:310-321. Dec.1952. 305.9 In7

38074 PIKE, M., and WATSON, W. F. Mastication of rubber. I. Brit. Rubber Prod. Res. Assoc. P. 165:229-252. 1952? 305.9 B772

38075 RUBBER RESEARCH INSTITUTE OF MALAYA. CHEMICAL DIV. Annual report for 1951. Kuala Lumpur,1952. 26 p. 78.9 R824A

38076 TEMPEL, M. VAN DEN. Electron microscopy of rubber globules in Hevea latex. Inst. Rubber Indus. Trans. 28:303-309. Dec.1952. 305.9 In7

38077 ZEEHUISEN, J. J. Technical classified rubber. (In Dutch.) Bergcultures 21:521,523. Dec.16,1952. 22.5 B45

SEEDS

38078 ALLEN, G. C. Spring seed sales will be good. East. Feed Merchant 4(2):34-35,76-77. Feb.1953. 389.78 Ea7

38079 BAKER, B. Y., and LYNN, E. V. Examination of the seed of Pachyrrhizus erosus. Amer. Pharm. Assoc. J. Sci. Ed. 42:117-118. Ref. Feb.1953. 396.9 Am33J

38080 EDLER, G. C., KUZELKA, T. J., and SUTHERLAND, R. H. Farm production, farm disposition, and value of field seed crops. Revised estimates 1939-50, by States. U. S. D. A. Statis. B. 119,65 p. Dec.1952. 1 Ag84St

38081 EGGINK, H. J. Quality of A.T.V. grown seed in 1950 and 1951. (In Dutch.) Nieuwe Veldbode 19:350. Jan.29,1953. 12 V542N

38082 FIEBIG. Nachbar, habt ihr noch kleesamen? Bad. Landwirt. Wchnbl. 119:891. Dec.13,1952. 18 B142
Outlook.

38083 FRANCK, W. J. Seed testing. Zaadbelangen Oct.1952:12,15. 61.8 Z1

38084 HERTZ, E. C. Report on wholesale marketing 1951-52. (In Danish.) Tidsskr. f. Froavl 41:64-69. Nov. 10,1952. 61.8 T43
Seeds.

38085 HÜBNER, R. Grundsätzliches zur beurteilung von grassamen. Grünland 1:94-96. Dec.1952. 18 G922

38086 JONES, D. K. Seed production. Countryman [Nicosia] 6(10):10-12. Oct.1952. 25 C83
Vegetable seed production in Cyprus.

38087 LARSEN-LEDET, J. Ordering field crop seeds. (In Danish.) Dansk Landbr. 72:27-28. Jan.15, 1953. 280.28 V91

38088 MAHLA, J. Exakte pflanzenbeschreibung in samenhandelskatalogen ein wichtiger werbefaktor. Saatgut-Wirt 4:254-255. Nov.1952. 61.8 Sa1

38089 METCALF, G. E. Seed—short supply? IAA Rec. 31(2):12-13. Feb.1953. 6 IL62

38090 NIXON, W. M. Clean seed. Tex. Hereford 2(6): 8,30-32. Jan.1953. 43.8 T31

38091 PAUL. J. Seed output big Ventura County industry. West. Grower & Shipper 24(3):34. Feb.1953. 280.38 W52
California.

38092 PIACCO, R. The seed trade. (In Italian.) Riso 1(10):8-9. Nov.1952. 59.8 R49

38093 PIELEN. Zur absatz- und versorgungslage bei sommersaatgetreide. Landwirt. Z. der Nord-Rhein-prov. 120:11. Jan.3,1953. 18 L2344

38094 POULSEN, V. The present situation in the seed market. (In Danish.) Dansk Frøavl 36:13-16. Jan. 15,1953. 61.8 D23

38095 ROTH, C. F. The seed trade and public relations. Grain & Feed J. Consolidated 110(2):11-12. Jan.28,1953. 298.8 G762

38096 SMITH, F. V. Forage crop seed outlook. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers, Dec.29,1952:3-4. 275.29 In2Em

38097 TEMPE, J. DE. Laboratory testing and field value of seeds for planting. (In Dutch.) Nieuwe Veldbode 19:206-207. Dec.4,1952. 12 V542N

38098 TEMPE, J. DE. Testing of seeds. (In Dutch.) Nieuwe Veldbode 19:348-349. Jan.29,1953. 12 V542N

38099 U. S. DEPT. OF AGRICULTURE. OFF OF INFORMATION. Making certified forage seed available to all, by C. S. Garrison and D. Looper. Washington,Jan.24, 1953. 3 p. 1.914 R2R11

38100 WALLER, E. Control our seeds. (In Swedish.) Lantmannen 37:110. Jan.31,1953. 11 L234
Sweden.

SUGAR AND SIRUPS

38101 AEHNELT, W. Farbmessungen von zuckerlösungen und bewertung von entfärbungsmitteln. Z. f. die Zuckerindus. 2:384-389. Nov.20,1952. 65.8 D48
English summary.

38102 AHLFELD, H. United Nations as Sugar Council. F. O. Licht's Sugar Inform. Serv. 84(10):1-2. Nov.1,1952. 66.8 L61

38103 ANDRES, P. Repetitorium der zuckertechnik. Z. f. die Zuckerindus. 2:360-361. (Cont.) Oct.20,1952. 65.8 D48

38104 ANJOS, V. T. R. DOS. Program for the industrial selection of a ferment in the Melle-Boinot process. (In Portuguese) Bras. Açucareiro 40:356-358. Sept.1952. 65.8 B73

38105 AUSTRALIA. FRUIT INDUSTRY SUGAR CONCESSION COMMITTEE. Twenty-first annual report for the year ended 31st August, 1952. Canberra,1952. 15 p. 284.3659 Au7

38106 BAH, H. S., LEE, H. C., and LEW, C. T. A study on acetone-butanol fermentation of cane molasses. III. (In Chinese.) Taiwan Sugar Expt. Sta. Rpt. 8:164-170. June 1952. 65.9 F76R
English summary.

38107 BARROSO, J. Sugar and world economy. Anu. Azucarero de Cuba 16:21,23. 1952. 281.3659 C89

38108 BERNARD, A. L'évolution des moulins à cannes. Rev. Agr. de l'Ile Maurice 31:233-240. Sept./Oct.1952. 24 M44

38109 BIANCHI, R. H., and KELLER, A. G. Clean, fresh cane, how much is it worth? La. U. Engin. Expt. Sta. B. 28,40 p. 1952. 290.9 L9312B

38110 BUDDINGH, W. A. H. Increasing milling capacities. Hawaii. Sugar Technol. Rpt. 1952:66-69. 65.9 H317
Sugarcane storage and handling.

38111 CUBA ECONÓMICA Y FINANCIERA. Anuario azucarero de Cuba (Cuba sugar year book), v. 16, 1952. Habana,1952. 210 p. 281.3659 C89

38112 CUBA. MINISTERIO DE AGRICULTURA. NEGOCIADO DE ASUNTOS AZUCAREROS. Rendimiento en azúcar de 96 grados de polarización obtenido por los ingenios desde el ano 1945 hasta el 1952. Havana, 1952. 6 p. 254.8 C8993

38113 CUBA. MINISTERIO DE AGRICULTURA. NEGOCIADO DE ASUNTOS AZUCAREROS. Zafra de 1952; principales datos estadísticos. Havana,1952. 7 p. 65.9 C896
Sugarcane.

38114 CUBA. MINISTERIO DE AGRICULTURA. NEGOCIADO DE ASUNTOS AZUCAREROS. Zafras de 1951 y 1952; estado comparativo de las cañas molidas y producción de azúcar y de mieles finales en las zafras antes mencionadas. Havana,1952. 7 p. 65.9 C897E

38115 DELISLE-ZAPOROWSKI, R. Contribution à l'étude de l'emploi des échangeurs d'ions dans l'industrie sucrière. Indus. Agr. et Aliment 69:771-773. Nov.1952. 383 As7
English summary.

38116 DIAZ VIZCAINO, J. Las incognitas de la actual campaña. Siembra [Madrid] 8(11):28-29. Nov. 1952. 15 Si1
Sugar.

38117 DORFELDT, W. Rohsaftgewinnung aus rübenbrei. Z. f. die Zuckerindus. 2:379-383. Nov.20,1952. 65.8 D48
English summary.

38118 EDNIE, W. P. Kohala cane salvager. Hawaii. Sugar Technol. Rpt. 1952:77-81. 65.9 H317

38119 EFFERSON, J. N. La industria azucar de Venezuela. Agr. Mod. [New Orleans] 6(4):28-31. Nov. 1952. 6 Ag8

38120 ESCRIBANO, J. A. El aprovechamiento industrial de los subproductos de la caña. Siembra [Madrid] 8(11):23-27. Nov.1952. 15 Si1

38121 FAROOQUE, M., and SHRIVASTAVA, D. P. Effect of tannins on colour of gur. J. Sci. & Indus. Res. 11B:538-540. Dec.1952. 475 J82

38122 FIGUEIREDO, A. C. DE. Wax from sugarcane. (In Portuguese). Bras. Açucareiro 40:227-229. Aug. 1952. 65.8 B73

38123 FINCKE, A. Über erfahrungen mit raffinade- und weisszucker. Zucker- u. Süsswaren-Wirt. 5:950-951. Dec.5,1952. 286.86 Z8
Includes discussion of sugar quality.

38124 FLEISHMAN, L. E. Striving for high quality of [sugar] beets upon their delivery. (In Russian.) Sakh. Promysh. 26(10):12-14. Oct.1952. 65.8 Sa2
Care during transportation and delivery.

38125 GEPKE, S. T. Ways to reduce the net cost of [sugar] production. (In Russian.) Sakh. Promysh. 26(10): 41-43. Oct.1952. 65.8 Sa2
Mechanization.

38126 GILLETT, T. R. Technical control in cane sugar refining. Hawaii. Sugar Technol. Rpt. 1952:30-39. 65.9 H317

38127 GONZÁLEZ QUIÑONES, M. El problema azucarero. Rev. del Café 8(5):26,31. Dec.1952. 8 R3295
Puerto Rico.

38128 HADDON, E. Factory chemical control notes. Rev. Agr. de l'Ile Maurice 31:198-199. July/Aug.1952. 24 M44
Sugar manufacture.

38129 HADDON, E. Notes on the polarization of raw sugar. Rev. Agr. de l'Ile Maurice 31:241. Sept./Oct. 1952. 24 M44

38130 HAWAIIAN SUGAR TECHNOLOGISTS. Reports, 1952. Honolulu,1952. 94 p. 65.9 H317

38131 HEINRICH, K. Die filtration und ihre gesetze. Zucker 5:465-473. Oct.15,1952. 65.8 Z82

38132 HU, Y., TU, K. S., and HSIEH, W. C. Pulping bagasse by alkaline-chlorine process. III. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 8:171-194. June 1952. 65.9 F76R
English summary.

38133 HUGHES, R. H. Salt crystals in low grade massecuites. Hawaii. Sugar Technol. Rpt. 1952:59-66. 65.9 H317

38134 HURTADO DE MENDOZA, B. En los campos de caña se forja la economía nacional. Tierra Libre 16 (11):6. Nov.1952. 8 T443
Cuban sugar industry.

38135 KACHUROV, N. M. Utilizing automobiles designed to reduce the dirt of [sugar] beets. (In Russian.) Sakh. Promysh. 26(10):34-35. Oct.1952. 65.8 Sa2
Transportation.

38136 KEISER, D. M. The work of the United States Cuban Sugar Council. Anu. Azucarero de Cuba 16:30-31. 1952. 281.3659 C89

38137 KILBY, M. M. Economics of liquidation and juice hold-over methods. Hawaii. Sugar Technol. Rpt. 1952:72-74. 65.9 H317

38138 LOBO OLAVARRIA, J. Unfortunate sugar policy. Anu. Azucarero de Cuba 16:31-32. 1952. 281.3659 C89

38139 LOH, C. S. Taiwan's sugar development program. Sugar 48(2):39-41. Feb.1953. 65.8 F11

38140 MACEOIN, G. Paper from sugarcane bagasse. (In Portuguese.) Fazenda 47(12):24-27. Dec.1952. 6 H11P

38141 MADSEN, I. L. Sugar beet by-products. Colo. Farm & Home Res. [Colo. Sta.] 3(4):2-5,8-9. Nov./Dec. 1952. 100 C712Co
Processing and value as feed.

38142 MARILLER, C., and others. Fermentation continue des moûts de betteraves. Indus. Agr. et Aliment. 69:775-781. Nov.1952. 383 As7
Méjane, M. Martraire, and S. Tourlière, joint authors.
English summary.

38143 MASCARO, M. A. El bagazo, hechos positivos en la industrialización. Cuba Econ. y Financ. 27(321): 17-18. Dec.1952. 286.8 C892
For paper manufacture.

38144 MEERZA, S. A. H. Stand und möglichkeiten der rohrzuckererzeugung in Ost-Pakistan. F. O. Licht. Internatl. Zuckerber. 92:1. Jan.15,1953. 66.8 L61A

38145 MENDOZA, L. G. Reflections on our golden jubilee. Anu. Azucarero de Cuba 16:29-30. 1952. 281.3659 C89
In relation to the Cuban sugar industry.

38146 MONTERO Y MONTERO, I. Los transportes, problema vital en la actual campaña remolachera. Siembra [Madrid] 8(11):12-13. Nov.1952. 15 Si1

38147 NAGHSKI, J., and WILLITS, C. O. Maple sirup. VI. The sterilizing effect of sunlight on maple sap collected in a transparent plastic bag. Food Technol. 7(2):81-83. Ref. Feb.1953. 389.8 F7398

38148 NEBOT RUBIO, A. La industria azucarera. Siembra [Madrid] 8(11):7-11. Nov.1952. 15 Si1

38149 OPLATKA, G. Étude sur le début de la campagne sucrière. Acta Chim. 2:65-93. 1952. 385 Ac83
Statistical methods in analysis of beets for sugar content.

38150 ORTIZ TORO, A. New sugar factory and refinery at Hacienda Santa Teresa of Venezuela. Sugar 48(2):29-32. Feb.1953. 65.8 F11

38151 PANDO, F. DE. 1953 sugar prospects. Anu. Azucarero de Cuba 16:23,25,27. 1952. 281.3659 C89

38152 PARDO JIMÉNEZ, A. Our agricultural economy and the future of sugar. Anu. Azucarero de Cuba 16:27,29. 1952. 281.3659 C89

38153 PAYNE, J. H. Function of the laboratory in raw sugar production. Hawaii. Sugar Technol. Rpt. 1952:55-59. 65.9 H317

38154 PAYNE, J. H., KENDA, W., and IWATA, H. A guide to molasses exhaustibility. Hawaii. Sugar Technol. Rpt. 1952:81-88. 65.9 H317

38155 PEÑA, F. DE LA. La remolacha azucarera en la economía agrícola española. Siembra [Madrid] 8(11): 4-6. Nov.1952. 15 Si1

38156 PIECK, R. L'expression des couleurs en coordonnées trichromatiques. Sucr. Belge 72:181-195. Jan.1/15,1953. 66.8 Su1

38157 QUINN, O. B., and GILE, B. M. Processing sugar cane through farmers' cooperative associations in Louisiana. La. Agr. Expt. Sta. Mimeog. C. 145,11 p. Dec.1952. 100 L935

38158 RANCOURT, E. DE. L'avenir de l'industrie sucrière à Ceylan. Rev. Internatl. des Prod. Colon. 27:225,228. Dec.1952. 286.8 R326

38159 REILLY, J. F. Molasses; a sticky situation. Mktg. Activ. 15(12):18-22. Dec.1952. 1.942 A8M34

38160 RITGEN, G. Um die zukunft des zukerrübenbaus. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:79-80. Jan.15,1953. 18 L2346

38161 ST. ANTOINE, J. D. DE R. DE. Résultat de quelques expériences avec le procédé Oganesoff"; fabrication du sucre sans épuration chimique préalable du jus. Rev. Agr. de l'Ile Maurice 31:221-225. Sept./Oct. 1952. 24 M44

38162 SALINAS, J. G. La industria azucarera a fines de 1952. Cuba Econ. y Financ. 27(321):13-15. Dec.1952. 286.8 C892

38163 SORNAY, A. DE. Vingt-sixième congrès sucrier de la South African Sugar Technologists' Association. Rev. Agr. de l'Ile Maurice 31:189-197. July/Aug.1952. 24 M44

38164 SPRINGMUHL S., C. Determinación de la sacarosa en melazas. Esc. de Farm. 14(175/176):1-6. July/Aug.1952. 396.8 Es1

38165 TEATINI, D. Contribution à l'étude de la cuisson et des appareils à cuire. Indus. Agr. et Aliment. 69:857-875. (Cont.) Dec.1952. 383 As7
English summary.
Sugar manufacture.

38166 U. S. BUR. OF AGRICULTURAL ECONOMICS. The world sugar situation. Washington,1953. 32 p. 1.9 Ec752Ws
Statistics.

38167 VALLANCE, L. G. The sugar industry in Australia. Austral. Inst. Agr. Sci. J. 18:208-216. Dec. 1952. 23 Au74

38168 WATT, R. G. Recent observations in Florida, Cuba and Puerto Rico. Hawaii. Sugar Technol. Rpt. 1952:69-72. 65.9 H317
Sugar industry.

38169 WOODIN, M. D. The sugar industry in the Far East. La. Rur. Econ. 15:2-3,7-8. Feb.1953. 281.8 L93

38170 YU, C. T., CHENG, T. H., and WANG, P. C. Studies on the filtration problem of the first carbonation cane juice with special reference to vacuum filtration. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 8:150-158. June 1952. 65.9 F76R
English summary.

38171 YU, C. T., CHENG, T. H., and WANG, P. C. Temperature control of the second carbonation of cane juice. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 8:159-163. June 1952. 65.9 F76R
English summary.

38172 ZELIKMAN, I. F. Simplifying the calculation technique for deductions of non-standard sugar. (In Russian.) Sakh. Promysh. 26(10):33. Oct.1952. 65.8 Sa2

TOBACCO

38173 ARTAMONOV, S. F. Half-year plan carried out ahead of schedule. (In Russian.) Tabak 13(5):46. Sept./Oct.1952. 69.8 T112

38174 ASMAEV, P. G., and GUBENKO, F. P. Question of physical characteristics of tobacco leaves. (In Russian.) Tabak 13(5):58-60. Sept./Oct.1952. 69.8 T11

38175 BOBIER, and LEPIGRE. La fermentation preaccelerée: assure la fermentation complète des tabacs en 3 jours au lieu de 3 mois. Elevage et Cult. 4(48):7-10. Dec.1952. 24 EL2

38176 CONOVER, A. G. The outlook for tobacco for 1953. Washington,U. S. Bur. Agr. Econ.,1952. 3 p. 1.90 C2Ou8
Statement presented at the Annual Agricultural Outlook Conference, Washington, D. C., Oct. 23, 1952.

38177 CYRUS, J. H. Burley goes to market. Farmers Fed. News 33(4):8,20. Dec.1952. 280.28 F225
Includes grading.

38178 DAVIS, J. New type curing barn produces high quality burley tobacco. Farmers Fed. News 33(4): 9,17. Dec.1952. 280.28 F225

38179 FEDERAL RESERVE BANK OF RICHMOND. RESEARCH DEPT. Flue-cured tobacco; an economic survey. Richmond,1952. 170 p. 281.369 F53

38180 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Tobacco. Food & Agr. Organ. United Nations. FAO Commod. Ser. B. 20,49 p. Oct.1952. 389.9 F735Cs

38181 GEDEON, J. Vitamin B from Indian tobacco waste. Indian Tobacco 2:115-117. July/Sept.1952. 69.8 In2
Niacin and nicotinamide.

38182 GIOVANNOZZI, M. Studies on tobacco fermentation. XIV. (In Italian.) Tabacco 56:227-245. Aug.1952. 69.8 T115

38183 GRIDNEVA, G. N., and KURAPOVA, K. G. Work of automatic regulators. (In Russian.) Tabak 13 (5):54-58. Sept./Oct.1952. 69.8 T112
In tobacco fermentation.

38184 HOTKE, J. F. The marketing of Canadian tobacco. (In Dutch.) Tabaksplant 79:179. Dec.9,1952. 286.89 T114

38185 KOMAKHIN, P. I. Fermentation of raw makhorka under Siberian conditions. (In Russian.) Tabak 13(5):52-53. Sept./Oct.1952. 69.8 T112

38186 MAURITIUS. TOBACCO BOARD. Report on the operations of the Tobacco Board and the tobacco warehouse, year ended 30th June 1952. Port Louis,1952. 25 p. 69.9 M44

38187 MEISNER, F. Vergangenheit, gegenwart und zukunft unseres tabakbaues. Bad. Landwirt. Wchnbl. 120:15-16. Jan.3,1953. 18 B142
The industry.

38188 MELANDEZ ORTIZ, M. Here, the story of the stabilization of Puerto Rican leaf is told by an expert. Tobacco [New York] 135(26):8,15,35-36. Dec.25,1952. 286.89 T552
The industry.

38189 REY, P. Le hachage. Rev. des Tabacs 27:29-31. (Cont.) Winter 1952. 69.8 R325

38190 RTA [RHODESIA Tobacco Association] annual general meeting. Rhodesian Farmer, Nov.12,1952(RTA Cong. Sect.),8 p. 24 R347

38191 SCHMITT, D. Tabak im postalischen kreise. Suddeüt. Tabakztg. 62(51/52):5. Dec.19,1952. 286.89 Su2
Public relations.

38192 SHAFERMAN, I. A. I. Production quality of tobacco fermenting industry calls for sharp improvement. (In Russian.) Tabak 13(5):47-49. Sept./Oct.1952. 69.8 T112

38193 SHEVCHENKO, P. M. Coordination of plans for output and shipment of tobacco. (In Russian.) Tabak 13(5):50. Sept./Oct.1952. 69.8 T112

38194 THOMPSON, J. F. Inter-farm and inter-area shifts in burley tobacco acreages under government control programs, 1933-50. Ky. Agr. Expt. Sta. B. 590,79 p. June 1952. 100 K41

38195 TOBACCO trade year book and diary, 1953. London,1952? 87 p. 286.89 T554

38196 U. S. PRODUCTION AND MARKETING ADMIN. Annual report on tobacco statistics, 1952. U. S. D. A. Statis. B. 117,71 p. Dec.1952. 1 Ag84St

38197 U. S. PRODUCTION AND MARKETING ADMIN. Summary of the principal changes being made in the Official standard grades for burley tobacco (U. S. type 31) Rev. Washington,1952. 6 p. 1.956 T55Su62

38198 WEEKS, L. T. Statement regarding Flue-Cured Tobacco Cooperative Stabilization Corporation. Tarheel Banker 31(8):9,15. Feb.1953. 284.8 T17

38199 WENTWORTH, B. The Puerto Rican leaf business is good: however, more business would be better. Tobacco [New York] 135(26):12. Dec.25,1952. 286.89 T552

38200 ZHIZHIMOV, A. A. Separating expenditures for fermentation from expenditures of processing as a whole. (In Russian.) Tabak 13(5):51-52. Sept./Oct.1952. 69.8 T112

MISCELLANEOUS PRODUCTS

38201 BANKS, C. W. The British sardine canning industry. Fishing News 2072:7. Jan.3,1953. 414.8 F532

38202 BROEK, C. J. H. VAN DEN. Experiments on the freezing of some Dutch fishery products. Internatl. Cong. Refrig. Proc. 8:383-391. 1951. 295.9 In82

38203 BROEK, C. J. H. VAN DEN. Research on the freezing of fish in the Netherlands. Internatl. Cong. Refrig. Proc. 8:767. 1951. 295.9 In82

38204 DREOSTI, G. M. Refrigeration in the South African fishing industry. Food Indus. So. Africa 5(8):31-33. Dec.1952. 389.8 F7372

38205 HOOS, S., and BOLES, J. N. Factors affecting hop prices. Hopper 9(8):10. (Cont.) Nov.1952. 70.8 H77

38206 HOOS, S., and BOLES, J. N. Factors affecting hop prices. Hopper 9(9):7-10. (Cont.) Dec.1952. 70.8 H77

38207 JOSEPH, J. Pace-setting fish cannery. Food Engin. 25(2):81-84,100. Feb.1953. 389.8 F737

38208 MARINO, A. La congélation rapide du poisson sur un chalutier. Rev. Prat. du Froid 8(3):47-48. Dec.1952. 295.8 R323

38209 MONTILLA, O. H. Materias primas existentes en Venezuela. Venezuela. Min. de Fomento Rev. de Fomento 14(76):113-177. Apr./June 1952. 280.8 V552
For tanning.

38210 NGUYEN-XUAN-THO. En torno al "nuoc-man" del Vietnam. Indus. Conserv. 18(152):5. Jan. 1952. 389.8 In24
Processed fish.

38211 NORTHEN, R. T. Importing orchids. Amer. Orchid Soc. B. 22:18-22. Jan.1953. 80 Am329
Packing and transportation.

38212 REAY, G. A. Chilling and freezing of fish. Refrig. J. 6(5):6,8,10,12,14,16-17. Nov.1952. 295.8 R255

38213 REAY, G. A. The preservation of white fish at sea. Internatl. Cong. Refrig. Proc. 8:374-376. 1951. 295.9 In82

38214 ROGERS, J. S., and PULTZ, L. M. Canalgre, a possible domestic source of vegetable tannin. Shoe & Leather Rptr. 268(13):20-21,24-26,31-32,34-37. Ref. Dec.27,1952. 303.8 Sh7

38215 SCHRODER, G. W. Sound waves save ingredients. Food Engin. 25(2):48-49. Feb.1953. 389.8 F737
Ultrasonics in hops processing.

38216 SPECHT, W. Improved hop extraction by means of the ultrasonic process. Brewers Digest 28: 47-50,54. Jan.1953. 390.8 B75

38217 STUIVENBERG, J. H. M. VAN. Gas storage of cut flowers. Internatl. Cong. Refrig. Proc. 8:425-429. 1951. 295.9 In82

38218 TANAKA, K., and TANAKA, T. Defrosting of frozen whale meat. Internatl. Cong. Refrig. Proc. 8:355-357. 1951. 295.9 In82

38219 TOLLENAAR, F. D., and BROEK, C. J. H. VAN DEN. The use of ethyl gallate as an antioxidant in the freezing of eels. Internatl. Cong. Refrig. Proc. 8:392-396. 1951. 295.9 In82

38220 U. S. BUR. OF AGRICULTURAL ECONOMICS. Pacific Coast hop prospects. Portland,Oreg.,1952. 1 p. 1.941 S8H772
Statistics.

38221 WATZINGER, A. Contact freezing of fish fillets between parallel plates. Internatl. Cong. Refrig. Proc. 8:397-401. 1951. 295.9 In82

38222 WEVER, J. DE. Hops. (In Flemish.) Fermentatio 5:134-136. 1952. 390.8 F38
Analysis and composition.

38223 WOOD, W. P. Thoughts on packing. Fuchsia Annu. 15:36-37. Jan.1953. 96.532 F95

38224 YOUNG, O. C. Some means of retaining quality in fresh and frozen fish. Internatl. Cong. Refrig. Proc. 8: 380-383. 1951. 295.9 In82

38225 YU, C. T., and CRUESS, W. V. Estudio de los diversos factores que intervienen en el salado y ahumado de pescado. Indus. Conserv. 18(152):12-14. Jan.1952. 389.8 In24

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

38226 ANDREWS, S. Point Four as an approach to world understanding. Social Educ. 17:53-56,61. Feb. 1953. 280.8 So123
With reference to a rural area.

38227 BELGIUM. SERV. DES ÉTUDES ET DE LA DOCUMENTATION GENÉRALES. L'économie belge en 1951. Bruxelles,1952. 456 p. 280.9 B412
Includes agriculture.

38228 BERG, J. We meet in Jerusalem. (In Norwegian.) Skog. og Landarb. 11/12:176-179. Nov./Dec.1952. 283.8 Sk5
Includes agriculture in Israel.

38229 BROZEN, Y. Farm prosperity suffering from high tariffs, high taxes. Oreg. Farmer 76:103,105,107. Feb.5,1953. 6 Or32

38230 CAMPOBASSO. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Economic monographs of the Italian provinces: economic characteristics of the Province of Campobasso. (In Italian.) Sintesi Econ. 4 (11):41-59. Nov.1952. 280.8 S16
Includes agriculture.

38231 COUTIN, P. Rapport général sur la modernisation de la vie rurale en montagne. France. Min. de l'Agr. B. Tech. d'Inform. 74:739-742. Nov.1952. 14 F844B
Economic aspects in France.

38232 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES: La situation économique à l'automne 1952. France. Inst. de la Statis. et des Etudes Econ. Etudes et Conjoncture. Econ. Franç. 7:503-527. Nov./Dec.1952. 280.8 F84
Includes agriculture.

38233 GT. BRIT. CENTRAL OFF. OF INFORMATION. REFERENCE DIV. Notes on Commonwealth finance, trade and resources. London,1952. 32 p. (Its Quote R.2479) 280.171 G7923N
Includes the agricultural economy.

38234 GT. BRIT. CENTRAL OFF. OF INFORMATION. REFERENCE DIV. The United Kingdom Colonial Development and Welfare Acts; a brief review to March 1951. London,1952. 19 p. (Its Quote No. RF.P 2174) 280.171 G7923U

38235 GUTIÉRREZ, G. El desarrollo económico de Cuba. Cuba. Junta Nac. de Econ. Estud. e Invest. Econ. 12,257 p. 1952. 280.9 C892
Includes agriculture.

38236 HALCROW, H. G., and BRINEGAR, G. K. A brief note on schools of thought. J. Farm Econ. 35:122. Feb.1953. 280.8 J822

38237 HEADY, E. O. Economics of agricultural production and resource use. New York,Prentice-Hall,1952. 850 p. Ref. 281.12 H34

38238 HIRSCH, G. P. Das Forschungsinstitut für Agrarwirtschaft an der Universität Oxford. Agrarwirtschaft 1:341-343. Ref. Dec.1952. 281.8 Ag826

38239 HJELM, L. The economic development 1952. (In Swedish.) Lantmannen 37:27-28. Jan.10,1953. 11 L234
Includes agriculture.

38240 HOLLANDS, H. F. Some observations on Europe. West. Farm Econ. Assoc. Proc. 25:49-51. 1952. 280.9 W527P
Economic conditions.

38241 HORNE, M. K. Industrial and agricultural balance in the southern economy. Miss. Banker 37(8): 13,20,22,24,26,30,32,34-36. Jan.1953. 284.8 M69

38242 ITALY. COMITATO INTERMINISTERIALE PER LA RICOSTRUZIONE. The development of Italy's economic system within the framework of European recovery and cooperation. Rome,1952. 347 p. 280.176 It16Ae
Contains a chapter on agriculture.

38243 JIMENEZ CASTRO, W. Agroeconomía costarricense. Agr. Costarricense 10:274-279. Dec.1952. 8 Ag895
Products.

38244 LEGG, H. J. Libya; economic and commercial conditions in Libya. London,Bd. of Trade,1952. 37 p. (Overseas Economic Surveys) 270 L612
Includes agriculture.

38245 LINCOLN M. D. The ministry of food. Town & Country Church 86:7-8. Feb.1953. 281.28 T66
Policy for raising standard of living of underdeveloped countries.

38246 MISSION TO CHILE. The agricultural economy of Chile. Washington,Internatl. Bank Reconstr. & Devlpmt.,1952. 353 p. 281.164 M69
Food and Agriculture Organization of the United Nations, cooperating.

38247 MYERS, W. I. Business decline ahead? Farm J. 77(2):41,171-173. Feb.1953. 6 F2212

38248 SCHAMEL, K. Einige fragen zum prinzip der wirtschaftlichen rechnungsführung. Wald 2:326-330. (Cont.) Nov.1952. 99.8 W143
Regulation of economy.

38249 SCHUMY, V. Freie oder gelenkte wirtschaft? Genossenschaft 2(22):2-4. Nov.15,1952. 280.28 G283
Agricultural for Austria.

38250 SOUTH DAKOTA. UNIVERSITY. SCHOOL OF BUSINESS ADMIN. BUSINESS RESEARCH BUR. The South Dakota economy at mid-century 1900-1950; an economic survey of the economy of South Dakota over a fifty year period. S. Dak. U. Sch. Business Admin. Business Res. Bur. B. 26,46 p. June 1952. 280.9 So88
Includes agriculture and forest resources.

38251 TAYLOR, H. C., and TAYLOR, A. D. The story of agricultural economics in the United States, 1840-1932; men, services, ideas; farm finance section, by N. J. Wall. Ames,Iowa State Col. Press,1952. 1121 p. 281.12 T212

38252 U. S. BUR. OF AGRICULTURAL ECONOMICS. Agricultural economic and statistical publications. Washington,1952. 83 p. 1.9 Ec731La

38253 VICINELLI, P. Economic equilibrium in land transformation. (In Italian.) Cassa per il Mezzogiorno. Not. 1:3-5. Oct.1952. 280.8 N82
Economic research.

38254 WERNER, W. M. The interdependence of industry and agriculture. Natl. Inst. Anim. Agr. Proc. 2: 104-113. 1952. 49.9 N219

38255 WHIPPLE, C. E. The foreign aid program. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:284-285. 1951. 4 As7

38256 ZAMBRANO C., R. La Octava Conferencia Internacional de Economistas Agrícolas. Rev. Nac. de Agr. 46(571):43-47. Nov.1952. 9.4 R32

AGRICULTURAL FINANCE

38257 BATTISTELLI, E. But what is this crisis? (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)98:450-451. Nov.1952. 16 C72
Agricultural depression.

38258 BRINEGAR, G. K. Short-run effects of income change on expenditure. J. Farm Econ. 35:99-109. Feb. 1953. 280.8 J822

38259 CAVINA, R. Capital for the farmer. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 5:293,316. Oct.1952. 44.8 B634

38260 DU TOIT, S. J. Economic survey of cattle farms in two agro-economic cattle-grazing areas. Farming So. Africa 27:469-475. Oct.1952. 24 So842
Capital investment, income, and earnings.

38261 GONTAN. L'enquête-sondage sur les investissements agricoles. France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 77:249-251. Dec.1952. 281.8 F84

38262 ROTHKEGEL. Die landwirtschaftlich vorgebildeten angestellten in der finanzverwaltung. Diplomlandwirt 3:3-4. (Cont.) Jan.1953. 18 D62
Germany.

38263 SAMBERGS, A. Agriculture as balance sheet (In Swedish.) Nord. Lantbrekon. Tidskr. 2(4):13-17. 1952. 281.8 N75

38264 SCHELBENRELL. Niemand glaubt an die sozialistische rentenlüge. Burgenländische Bauernbündler 6:6-7. Jan.10,1953. 19 B91

38265 THAIR, P. J. Relations of productivity and risk to capital accumulation. West. Farm Econ. Assoc. Proc. 25:44-48. 1952. 280.9 W527P

38266 VARDE, V. P. Agricultural finance. Output 6:16-17. Aug./Oct.1952. 286.8 Ou8
India.

Credit

38267 AMERICAN BANKERS ASSOCIATION. AGRICULTURAL COMMISSION. A program for country banks 1953. New York,1953. 12 p. 284.29 Am3P

38268 ARIAS, J. El crédito agrícola y las encuestas sobre condiciones de vida de las familias. Guatemala. Dir. Gen. de Estadis. B. 38:62-66. Aug.1952. 254 G93B

38269 AVENIA, G. The juridical nature of institutions of agricultural credit. (In Italian.) Banca e Credito Agr. 2:306-314. 1952. 284.28 B223
Italy.

38270 BACCIGALUPI, M. Juridical guarantees in agricultural credit for improvements. (In Italian.) Banca e Credito Agr. 2:242-258. 1952. 284.28 B223
Italy.

38271 BANCO DE CREDITO AGRICOLA E INDUSTRIAL DE LA REPUBLICA DOMINICA. Ley orgánica y sus modificaciones. Ciudad Trujillo,1952. 24 p. 284.29 B2294L

38272 BINNS, SIR. B. O. Agricultural credit for small farmers. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 16,30 p. Oct.1952. 281.9 F733

38273 BRANCA, G. The signing with a cross in more agricultural bills of exchange not exceding 100,000 lire. (In Italian.) Banca e Credito Agr. 2:200-203. 1952. 284.28 B223
Italy.

38274 CAMPBELL, W. W. The place of key bankers in an agricultural problem. Miss. Banker 37(8):11,43-44, 46. Jan.1953. 284.8 M69

38275 CANADA. FARM LOAN BOARD. Report for the year ended March 31, 1952. Ottawa,1952. 24 p. 284.29 C16

38276 CASSA PER IL MEZZOGIORNO. Two years of the "Bank" at the Naples conference. (In Italian.) Cassa per il Mezzogiorno. Not. 1(9):3-21. Sept.1952. 280.8 N82

38277 CAVINA, R. Agricultural credit for the small producer. (In Portuguese.) Lavoura 56:47-48. Sept./Oct.1952. 9.2 L39
Brazil.

38278 CERCLER, R. La coopération agricole et la politique du crédit. Vie Lait. 8(168):1,3. Dec.10,1952. 44.8 V67
France.

38279 CHRISTENSEN, P. Agricultural credit. (In Danish.) Dansk Landbr. 72:37-39. Jan.22,1953. 280.28 V91

38280 COLOMBIA. MINISTERIO DE AGRICULTURA. Plan de fomento ganadero á través del crédito, by C. J. Cabal Cabal. Bogotà,1952. 74 p. 284.2 C712

38281 COSSIGA, F. Autonomous regions and agricultural credit. (In Italian.) Banca e Credito Agr. 2: 315-331. 1952. 284.28 B223
Italy.

38282 COSTA, S. Agricultural credit and methods of execution. (In Italian.) Banca e Credito Agr. 2:259-268. 1952. 284.28 B223
Italy.

38283 CREDIT AGRICOLE ET COOPÉRATIF. Rapports du Conseil d'Administration et des censeurs, résolutions, exercice 1951. Le Caire,1952. 25 p. 284.29 C86R

38284 DEURLOO, A. C. M. Agricultural credit in the United States. (In Dutch.) Landbode 6(49):1-2. Dec. 11,1952. 12 L234

38285 DIANA, A. Credit mutuals in contracts with reclamation agencies. (In Italian.) Agr. delle Venezie 6: 573-580. Dec.1952. 16 Ag826

38286 ECONOMIDÈS, J. G. Le probleme de l'endettement rural en Egypte. Egypte Contemp. 43(270):35-65. Oct.1952. 270 Eg95

38287 ENGBERG, R. C. The farm credit problem in Europe. Farm Policy Forum 6:19-21. Jan.1953. 281.8 F2274

38288 ERA, A. Projects and institution of nummary amounts for assistance in Sardinia. (In Italian.) Banca e Credito Agr. 2:276-289. 1952. 284.28 B223
Ancient types of credit.

38289 FAVARA, E. Privilege in connection with agricultural credit. (In Italian.) Banca e Credito Agr. 2:220-234. 1952. 284.28 B223
Italy.

38290 GADDI, L. Practical questions in the matter of special agricultural privilege. (In Italian.) Banca e Credito Agr. 2:235-241. 1952. 284.28 B223
Agricultural credit in Italy.

38291 GARRANI, G. Should there be changes made in the present structure of agricultural credit? (In Italian.) Banca e Credito Agr. 2:343-374. 1952. 284.28 B223
Italy.

38292 GREEN, J. L. Fencing—financial assistance to primary producers. Agr. Gaz. N. S. Wales 63:511-512. Oct.1952. 23 N472
Credit for fence building.

38293 HENNING, G. F., and EVANS, M. B. Financing of feeder livestock in Ohio. Ohio. Agr. Expt. Sta. Res. B. 712,24 p. Dec.1952. 100 Oh3S

38294 HURLBURT, V. L. Economic effects of flexible land credit arrangements. J. Farm Econ. 35: 110-121. Feb.1953. 280.8 J822

38295 İLOĞLU, A. S. L'activité de la Confédération Internationale du Crédit Agricole. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankasi. Uç Ayda Bir Çikar 25/26: 66-71. Jan./June 1952. 280.9 T842

38296 MARTINI, A. DE. Special action of communal banks of agricultural credit. (In Italian.) Banca e Credito Agr. 2:290-305. 1952. 284.28 B223
Italy.

38297 MAYER, J. Die bedeutung der sparvereine. Landwirt. Genossenschbl. f. Niederosterr. 49(12):6. Dec.1,1952. 280.28 L23

38298 MORGANDO, A. Agricultural credit situation in Italy. (In Italian.) Cron. Econ. 117:9-14. Ref. Sept. 1952. 280.8 C882

38299 MORSE, T. D. Major hazards in farming. (Excerpts.) Mountain States Banker. 38(3):11. Jan.19, 1953. 284.8 M86
Credit problems.

38300 MUÑOZ GRANDES, F. El crédito agricola. Cooperacion [Madrid] 129:14-15. Nov.1952. 280.28 C7875
Spain.

38301 NATIONAL FARM RADIO FORUM. Borrowed money—prop or pitfall? Farm Forum Guide 10(11),4 p. Feb.9,1953. 281.8 F2272
Credit in Canada.

38302 NOELL, G. Zur kreditlage der westdeutschen landwirtschaft. Agrarwirtschaft 2:25-31. Jan.1953. 281.8 Ag826

38303 ORELLANA, R. A. Conveniencia de considerar la inclusión en los censos agropecuarios de algunas preguntas de interes para las agencias de crédito agrícola. Guatemala. Dir. Gen. de Estadis. B. 38:66-72. Aug.1952. 254 G93B

38304 OSUUSKASSOJEN KESKUSLIITTO R. Y. Co-operative banking in Finland; statistics 1905-1951, summary. Helsinki,1952. 7 p. 284.29 Os8C
Includes agricultural credit.

38305 PAMPALONI, E. Agricultural credit and land reform. (In Italian.) Banca e Credito Agr. 2:332-342. 1952. 284.28 B223
Italy.

38306 PAOLIS, G. DE. The "Rotation Fund" has arrived at my farm. (In Italian.) Agricoltura 1(11): 45-47. Nov.1952. 16 Ag8226
Credit.

38307 PIRAS, S. Interpretation and bank operations. (In Italian.) Banca e Credito Agr. 2:183-186. 1952. 284.28 B223
Italy.

38308 POMPON. Aide du crédit agricole aux agriculteurs victimes de la fièvre aphteuse. France. Min. de l'Agr. B. Inform. 32:2-5. 1952. 281.9 F843
France.

38309 PRAZERES, O. Rural bank or cooperatives? (In Portuguese.) Confed. Nac. do Com. B. Inform. 5 (95/96):25. Aug./Sept.1952. 286.9 C764
Brazil.

38310 QUEENSLAND. AGRICULTURAL BANK. Annual report on the operations of the Agricultural Bank for the year ended 30th June, 1952. Brisbane,1952. 16 p. 284.29 Q3

38311 RIBEIRO, J. P. Supervised rural credit. (In Portuguese.) Rev. Ceres 9(49):11-20. July 1951/Aug. 1952. 9.2 C332
Brazil.

38312 RUANO AYALA, M. Necesidad del indice de precios recibidos por el agricultor en el funcionamiento del crédito agrícola. Guatemala. Dir. Gen. de Estadis. B. 38:72-76. Aug.1952. 254 G93B

38313 SABATINI, G. Penal protection of agricultural credit. (In Italian.) Banca e Credito Agr. 2:269-275. 1952. 284.28 B223
Italy.

38314 SALIS, L. Legitimate societies and associations in the requirement of mutuals for the exercise of agricultural activities. (In Italian.) Banca e Credito Agr. 2:195-199. 1952. 284.28 B223
Credit operations in Italy.

38315 SIERRA FRANCO, R. Importancia de las estadísticas de crédito agrícola. Guatemala. Dir. Gen. de Estadís. B. 38:55-61. Aug.1952. 254 G93B

38316 SOLEY CARRASCO, E. Crops on credit; Costa Rica boosts production through loans to small farmers. Américas 5(2):6-8,30-31. Feb.1953. 150.9 Am34

38317 SOTGIA, S. The concept of "agriculture" in the law of July 5, 1928, No. 1760. (In Italian.) Banca e Credito Agr. 2:187-194. 1952. 284.28 B223
Control of agricultural credit in Italy.

38318 SOTO M., J. A. Como medir la efectividad del crédito agrícola. Guatemala. Dir. Gen. de Estadís. B. 38:76-80. Aug.1952. 254 G93B

38319 TAPP, J. How to use poultry financing as a tool. Poultry Supply Dealer 29(9):13,28. Sept.1952. 47.8 B11

38320 TORRENTE, A. Agricultural bills of exchange in jurisprudence and doctrine (1942-1951). (In Italian.) Banca e Credito Agr. 2:204-210. 1952. 284.28 B223
Italy.

38321 U. S. FARM CREDIT ADMIN. Report to the national farm loan associations for the year ended June 30, 1952. Washington,1953. 34 p. 1.955 F2R29
Operations of the associations and of the Federal land banks.

38322 U. S. FARMERS HOME ADMIN. Origin of the Farmers Home Administration and predecessor agencies. 12 p. 1.949 F224

38323 VALLE, A. DELLA. The renewability of agricultural bills of exchange. (In Italian.) Banca e Credito Agr. 2:211-219. 1952. 284.28 B223
Italy.

38324 VILLACORTA E., M. Tenencia de la tierra y crédito agrícola. Guatemala. Dir. Gen. de Estadís. B. 38:80-87. Aug.1952. 254 G93B

38325 WHATELY, C. Financing and restoration of coffee plantations. (In Portuguese.) Soc. Rur. Bras. Rev. 32(383):34. Dec.1952. 9.2 B733

Income

38326 BLOSSER, R. H. Factors affecting crop production and farm income for a Miami soil association in Ohio. Ohio. Agr. Expt. Sta. Res. B. 713,29 p. Dec.1952. 100 Oh3S
Effect of soil conserving rotations on income.

38327 COLLISSON, C. F. Industrious Wealth Belt farmers earn bountiful $4 billion '52 income. Com. West 105(4):15. Jan.24,1953. 286.8 C733

38328 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Farm incomes in England & Wales 1950—1 (with some reference to earlier years). London,1953. 71 p. 281.9 G792F

38329 SÖDERSTROM, O. Agricultural income and costs estimates and the damage to the harvest. (In Swedish.) Jordbrekon. Meddel. 14:493-503. Dec.1952. 257.3 J76
English summary, p. 492.

38330 WELLMAN, H. R. Relations between national and agricultural incomes. West. Farm Econ. Assoc. Proc. 25:1-4. 1952. 280.9 W527P

Inflation

38331 MASSAGUES, J. M. Efectos de la deflación en agricultura. Cult. Mod. 35:379. Oct.1952. 15 C89
Spain.

Insurance

38332 CAMPOPIANO, R. Unemployment insurance in agriculture. (In Italian.) Riv. di Polit. Econ. (ser.3) 42:1351-1358. Nov.1952. 280.8 R52
Italy.

38333 COGOTTI, A. Livestock leasing contracts and social protection of pastoral workers in Sardinia. (In Italian.) Previdenza Sociale nell'Agr. 3:229-234. Oct./Nov.1952. 281.8 P92
Health and old-age insurance under the leasing system.

38334 DEBONIS, A. DE. Adrift. (In Italian.) Genio Rur. 15:213-214. Apr.1952. 281.8 R522
Estimation of hail damage for insurance in Italy.

38335 ELLICKSON, J. C., and BOTTS, R. R. Insurance for farmers at more moderate rates. Agr. Situation [Washington] 37:7-8. Jan.1953. 1 Ec7Ag

38336 GHERARDI, G. Verification of agricultural laborers in the system of unified contributions. (In Italian.) Previdenza Sociale nell'Agr. 3:235-241. Oct./Nov. 1952. 281.8 P92
Italy.

38337 KILCHENMANN, H. R. Abaissement du taux des primes de l'assurance-accidents. Forêt 6:42-43. Dec.1952. 99.8 F7683
Switzerland.

38338 LEE, I. M. Temperature insurance—an alternative to frost insurance in citrus. J. Farm Econ. 35:15-28. Feb.1953. 280.8 J822

38339 MUSILLO, G. Health insurance for southern agricultural populations. (In Italian.) Previdenza Sociale nell'Agr. 3:227-228. Oct./Nov.1952. 281.8 P92
Italy.

38340 PÓR, A. Insurance of greenhouses. (In Icelandic.) Garðyrkjufélag Íslands. Ársrit 1952:63-64. 86 Is4

38341 RIO, M. DEL. The physical protection of agricultural workers: prevention before cure. (In Italian.) Agricoltura 1(11):21-25. Nov.1952. 16 Ag8226
English summary.
Includes insurance.

38342 ROMATIF, F. Elections à la mutualité sociale agricole. Fiches Rur. 87:5-10. Jan.1953. 281.8 F44
France.

38343 SCHIFFERER, A. Geflügelzuchtgehilfen sind beitragsfrei. Deut. Wirtgeflügelzucht. 5:146-147. Dec.20, 1952. 47.8 D483
Health insurance.

38344 SKALNYK, H. Bewirkt eigentum versicherungsfreiheit in der sozialversicherung? Landarb.-Archiv 7:410-414. Dec.1952. 283.8 L23
Austria.

38345 UHLIRS, J. 25 jahre Landwirtschaftskrankenkasse Burgenland. Landarb.-Arch. 7:360-364. Nov. 1952. 283.8 L23

38346 U. S. FEDERAL CROP INSURANCE CORPORATION. Loss adjustment manual for wheat and flax. Washington,1953. 28 p. 1.952 L896

Taxation

38347 ASOCIACIÓN COLOMBIANA DE GANADEROS, BOGOTÀ. Instrucciones para la liquidación del impuesto sobre la renta en el negocios de ganadería. Bogotà,1952 8 p. 284.5 As5

38348 BLAIS, R. Pourquoi taxer les coopefatives? Foyer Rur. [Montreal] 12(1):10-11. Nov.1952. 7 F83

38349 BORTEN, P. The District Committee has recommended direct taxation of agriculture and forestry. (In Norwegian.) Skogeieren 39:147-149. Oct.15,1952. 99.81 Sk5

38350 BURCH, L. E. New tax law proposal menaces cattle industry. Livestock Wk. 7(8):10-11,83. Dec.25, 1952. 49 L753

38351 CHAFIK, Z. M. Le bénéficiaire du wakf est-il soumis à l'impôt général sur le revenu? (In Arabic.) Egypte Contemp. 43(270):15-48. Oct.1952. 270 Eg95

38352 CHRYST, W. E., and MILLER, F. Assessment of property for tax purposes in Missouri. Mo. Agr. Expt. Sta. Res. B. 490,22 p. Feb.1952. 100 M693

38353 ELSENAAR, J., and TOLLENAAR, B. Statistics of owner taxes for 1949/50. (In Dutch.) Pacht 12: 290-299. Oct.1952. 282.8 P11
Netherlands.

38354 ELWOOD, E. M. Farmers' 1952 income tax. Mich. Milk Messenger 35(9):3,6. Jan.1953. 44.8 M582

38355 FERRARESE, V., and DONELLA, W. Fiscal incongruities relating to classification of tobacco cooperatives and societies. (In Italian.) Genio Rur. 15:57-60. Feb.1952. 281.8 R522
Italy.

38356 FREITAS, D. Restitution of the rural territorial tax to the municipalities. (In Portuguese.) Orientação Econ. e Financ. 9(108):27,53. Sept.1952. 280.8 Or42
Brazil.

38357 GOBBI, B. P. Tax exemptions for mountain territories. (In Italian.) Terra e Sole 124:406. Dec. 1952. 16 T273
Italy.

38358 HALL, I. F., and others. Farmer's 1952 income tax. Wash. State Col. Ext. B. 370,32 p. Nov.1952. 275.29 W27P
R. H. Baker, E. M. Elwood, A. M. Nichter, and E. P. Callahan, joint authors.

38359 HALL, I. F. When your income tax returns are questioned. Hoard's Dairyman 98:126-127. Feb.10, 1953. 44.8 H65

38360 HARRIS, D. J. Show your intent. Natl. Chinchilla Breeder 8(12):14,39-40. Feb.1953. 412.628 N21
Income tax.

38361 HART, S. S. Livestock tax facts. Cattleman 39(9):164-168. Feb.1953. 49 C29

38362 HART, V. B., and KENDRICK, M. S. 1952 income-tax returns suggestions for farmers. N. Y. Agr. Col. Cornell Ext. B. 874,32 p. Nov.1952. 275.29 N48E

38361 BECKMAN, T. N. Extension's job in education on the tax problems of farmers. Washington, U. S. Ext. Serv., 1962. 1 p. 1.955 Ag8Ex

Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1962.

38362 JOEST, A. VON. Produktiv oder Gebrauch? II. Landwirt 7 der Rhein Rheinprov. 110:1931 (33) Dec. 6, 1952. 18 L3344

Accounting for tax purposes.

38363 KAUFMANN-QUINCHEAD, E. Can you afford to die? West. Livestock J. 31(11):38,54,57,59,61 62,65 Feb. 1953. 6 F2278

Estate taxes.

38364 KVAAL, C. How tax law from January 1, 1954 (In Norwegian.) Norsk Landbr. 19:29-31. Jan. 21, 1953. 11 N8122

Includes agriculture and forestry.

38365 LAURSEN, H. Rules of deductions. (In Danish.) Erhvervsfremgtavisen 19:87-88. Jan. 1, 1953. 80 E51

Taxation.

38366 MARYLAND UNIVERSITY, DEPT. OF AGRICULTURAL ECONOMICS. Farmers' 1953 income tax, new changes and their effect on you. Brooder Chickman 14(9):50. Feb. 1953. 49 V81

38367 MISSISSIPPI TAX COMMISSION. Property assessments and ad valorem taxes with county details and report on the administration of the Homestead Exemption Act of 1946 for the period 1949-1951. Miss. State Tax Comm. Serv. B 42,50 p. Feb. 1953. 252.45 T192

38368 MORDHORST, J. Haftung für vermögensnachteile bei verwaltung fremden Landwirtschaftl. Wasser. Ems. 100:39-40. Jan. 8, 1953. 18 L3345

38371 MOSER, D. E., and others. Farmers' 1952 income tax. Del. U. Agr. Ext. B. 57,28 p. Nov. 1952. 275.29 D37

P. L. Putnam, V. B. Hart, and E. D. Callahan, joint authors.

38372 NEBTINGER, I. Die umsatzsteuerliche behandlung von milchlieferungen durch melkereien. Ind. Molk. Ztg. 74:50. Jan. 9, 1953. 44 B 847

38373 ROTH, H. Diplom landwirt und steuerberater. Diplomlandwirt 2:113-114. Nov. 1952. 18 D83

Germany.

38374 TAYLOR, T. H. Ranchers' thoughts turn to income taxes near deadline. West. Live Stock 30(6):20, 24,60. Jan. 1953. 49 W539

38375 THORNBERG, E. 1952 income tax returns. (In Swedish.) Lantmannen 37:108-109. Jan. 31, 1953. 11 L234

38376 WARNING! Recent rulings may affect your tax return. Farm Mangt. 2(3):19-23. Feb. 1953. 281.8 F2225

38377 ZIMMERMAN, C. Is your land assessment fair? Copper's Farmer 64(2):25,34-35. Feb. 1953. 6 M693

AGRICULTURAL LABOR AND WAGES

38378 BAPSEWISE, H. E. von. Das lohnsystem-neue form in der englischen landwirtschaft. Technische Fortschritte 7:6-7. Dec. 15, 1952. 58.8 T81

38379 BREMER, E. Mensch und lohn im ländlichen betrieb. Dtsch. Landwirt. Gesell. Mitt. 68:13-14. Jan. 1, 1953. 18 D49

38380 CANADA DEPT. OF LABOUR. Annual report, 1952. Ottawa, 1952. 85 p. 284 C16

Includes farm labor.

38381 CARTER, T., and HIRSH, H. G. B. Domestic labour in agriculture; report on an enquiry. Oxford, Basil Blackwell, 1952. 44 p. 283 C24

38382 COLEMAN, C. H. Wages and earnings [labor] in American agriculture. Census Quart. Bul. 5:41,223-238. Jan. 1953. 286.8 C342

38383 [DENMARK. SOCIALMINISTERIET]. Betaenkning vedrørende arbejdstiden i landbruget. (Report concerning working hours in agriculture.) 1952. Kjøbenhavn, Bollerupske Bogtrykkeri, 1952. 191 p. Pol 283 D41

38384 FLATOW, H. Wie stehen wir heute zur lohnfrage in der landwirtschaft und vergleichen sie mit früheren jahren? Landarb. Archiv 7:394-400. Dec. 1952. 283.8 L21

38385 FREEMAN, R. W. Farm and industrial pay in England. Landwirtsch. Wasser. Ems. 99:1253-1255. Dec. 20, 1952. 18 L3445

Work in the petroleum industry as an additional source of income for farm population.

38386 FÜHRING, H. Die arbeitsproduktivität in der landwirtschaft. Landwirtschaft 98:34,380-387. Dec. 1952. 10 L525

Labor productivity of the farm family.

38387 FULLER, V., and VILES, H. L. A california farm labor study; labor management relationships and personnel practices, market milk dairies, Fresno County, California. Calif. Agr. Exper. Manage. Rpt. 149,44 p. Jan. 1953. 281.9 C12Ma

38388 GABLENZ, O. VON. Die hausgemeinschaft als teil der landwirtschaftlichen betriebes. Angestz. u. Berufung in der Landwirt. 5:78-80. 1952. 10 D11

Woman's labor on the farm and in the farmhouse in Germany.

38389 GALLE. Regimes de travail en agriculture. France. Min. de l'Agr. Rec. labour. juridique et de lois 10:309-311. Dec. 1952. 281.8 F81

38390 HALLWACH, A. Better working hours in the farm. (In Swedish.) Lantbrukaren 1:8-9. Jan. 1953. 44.8 L15

38391 HARRIS, J. Les bergers dans les transhumances du montagne. Monton 8:3-4. Jan. 1953. 46.8 M86

38392 HECHT, R. W. Labor and power used for farm enterprises, Indiana, 1950. U. S. Dept. Agr. Econ. R. M. 100,35 p. Dec. 1952. 1.941 E2R33

38393 HECHT, R. W. Man-hours of work per hour of work on better organized farms. Agr. Situation [Washington] 37:11. Jan. 1953. 1.8AG7Ag

38394 HILLMANN, J. The proper time, in Tischtel Prüfstellen, for the various types of farm work necessary for the important crops. Illustrierte D. Ost. Agr. H. 1:466. Mar. 1952. 107.8 I17B

38395 HOMEYER, J. Ergebnisse aus arbeitslehre betrieben 1951. Landwirt. Wochbl. f. Westfalen u. Lippe 119:38-39. Jan. 8, 1953. 18 L3346

38396 PFANNHE, W. Die arbeitsbilanzen verschiedener typen der landwirtschaft in den nördlichen landern in den jahren 1938, 1949 und 1951. Landarb. Archiv 7:369-380. Nov. 1952. 283.8 L19

38397 [PETRI, H.] Mitteilungen des land- und forstwirtschaftlichen Arbeitgeberverbandes Salzburg. (pt. 1.) 1954). Salzburger Bauer 7(8):11,14. Feb. 7, 1953. 19 Sa3

Labor problems.

38398 MCALLISTER, W. T. Farm labor, how to get and keep it. Ind. U. Agr. Ext. Mimeog. 1-70, illus., 9 p. Mar. 1952. 275.29 I13Ma

38399 NATIONAL CHILD LABOR COMMITTEE. Young workers in 1952, for the year ending September 30, 1952. New York, 1952. 39 p. 284 N214

Includes young workers employed in agriculture and the children of farm migrants.

38400 N. Y. STATE DEPT. OF LABOR. DIV. OF INDUSTRIAL RELATIONS. Workers in migratory farm operations in the Hudson Valley area; a study of the supply of migratory farm workers in the Hudson Valley area, 1951. N. Y. Dept. Labor Spec. Labor Issue Memo. 34,29 p. Feb. 20, 1952. 283.8 N482

Division of Research and Statistics, cooperating.

38401 NIEMEN. Schlafstellenverhältnisse in ländlichen Haushaltungen. Tierzucht 6:468-471. Dec. 1952. 49 T443

38402 PFLUGBEIL, P. Die arbeitsverhältnisse und soziale stellung der landarbeiter. (Abs.) Ausgabe d. Berufung in der Landwirt. 5:148. Nov. 1952. 10 D11

Germany.

38403 RAUPACH. Arbeitszeitregelung. Bauer 5:46,8-9. Dec. 20, 1952. 19 B32

38404 RIEPER, J. Mehr durch einfluss? Entlohnung und stand der landarbeiterbewegung. Österreich. Land- u. Forstarb. 3:21:(43) 10,14. Dec. 1952. 19 Ö3A25

38405 ROBERTS, P. Om en del av sysselsettingen [Norway]. Sosial Økonomi 6:6:1-8. Jun. 1952. 281.9 S634

Norway.

38406 SAUL, J. H. Den nationale og internationale udvikling af de politiske spørgsmål på landbrugets område. Landbr. Tidsskr. 65:27:(1) 1-14. Jul. 1952. 281.9 L25

38407 SCHMIDT-BIEGEN, H. Die [illegible] der arbeitskräfte in der landwirtschaft. Landarb. Archiv 7:1-6. Jan. 1952. 283.8 L21

38408 WEHRMANN, H. Landwirtsch. Arbeitsrecht. Landw. Wochbl. Westf. Lippe 119:1-2. Jan. 1953. 18 L3442

Working hours.

38409 WIEGAND, H. J. Farm workers' earnings 1948/49 to 1951/52. Bund. Stats. Arb. Beih. Agr. Stats. 4:44-46. 1952. 281.9 B512Ag

38410 SMITH, J. G. West Texans wheel-and-deal for workers to line up help. Farmer-Stockman. Tex. Ed. 56(2):13,84. Feb.1953. 6 F22127
Farm labor placement by the Texas Employment Commission.

38411 STATION EXPERIMENTALE DE MULUNGU-TSHIBINDA. Nombre d'hommes-jours (H./J.) necessaires à l'établissement et à l'exploitation d'un hectare de cafeiers (Coffea arabica L.) au Kivu. B. de Doc. et de Tech. Agr. 6(20):43-49. Second Q.1952. 24 B873

38412 STEINGRUBER, K. Lohnabrechnung. Bauer 6:3-4. Jan.3,1953. 19 B32
Austria.

38413 SWEDEN. SOCIALSTYRELSEN. Lönestatistisk årsbok för Sverige 1950. Year book of wage statistics in Sweden in 1950. Stockholm,1952. 146 p. 283.9 Sw3
English summary.
Includes farm labor.

38414 U. S. DEPT. OF STATE. Mexican agricultural workers; agreement between the United States of America and Mexico supplementing agreement of August 1, 1949, accepting understanding of July 29, 1949; effected by exchange of notes signed at México March 9, 1951; entered into force March 9, 1951. U. S. Dept. State. Treaties & Other Internatl. Acts Ser. 2328,15 p. 1951. 150 T71T

38415 U. S. FARM PLACEMENT SERV. A guide to seasonal farm work areas in the far Western States. Washington,1952. folder. 158.31 F22G

38416 U. S. OFF. OF EDUCATION. COMMITTEE ON MIGRANTS. Pablo is a migrant. Sch. Life 35:56-58. Jan.1953. 156.3 Sch63

38417 VAANDRAGER, N. A. The employer in the surf. (In Dutch.) Friesch Landbbl. 49:742-744. Dec. 12,1952. 12 F91
Labor problems.

38418 VELDT, J. G. Hay rigging contest. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Maandbl. 9:465-469. Dec.1952. 12 N383M

38419 VORSE, M. H. America's submerged class: the migrants. Harper's Mag. 206(1233):86-93. Feb.1953. 110 H23

38420 WILL LABOR be in short supply in 1953? Farm Mangt. 2(2):67-69. Jan.1953. 281.8 F2225

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

38421 ACEVEDO, F. Los propósitos del nuevo gobierno respecto a la agricultura. Campesino [Santiago] 84(11):29-30. Nov.1952. 9.3 So12

38422 AMANO, G. Chugoku nogyo no shomondai [Agricultural problems in China]. Tokyo,Gihodo,1952. 374 p. 281.184 Am1

38423 AMERICAN FARM BUR. FEDERATION. AFBF resolutions for '53. Amer. Farm Bur. Fed. Off. Newslet. 31(50):1-3. Dec.15,1952. 280.83 Am3W

38424 ANGRAND, J. La productivité. Cahiers des Ingen. Agron. 7(3):34-35. 1952. 14 C112
Includes agricultural production in the United States.

38425 ANNUAIRE tunisien du commerce, de l'industrie, de l'agriculture et des administrations de la Régence, 51st, 1950/51. Tunis,1951. various pagings. 225 An734

38426 ANNUAL agricultural & bloodstock survey and spring show review, v.1,1951/52. Dublin,1951. 114 p. 10.5 An7

38427 ARSENAULT, L. Mosaïque agricole. Foyer Rur. [Montreal] 12(2):11,21. Dec.1952. 7 F83

38428 ARTAUD. Produire. Terre d'Oc 34:536-537. Dec.1952. 14 Ar5

38429 BATTISTELLI, E. Things perhaps greater than ourselves. (In Italian.) Cron. Econ. 118:21-22. Oct.1952. 280.8 C882
Farming policy for Italy.

38430 BAUKNECHT, B. Deutsche agrarpolitik. Landwirt 1953:67-69. 18 L2342

38431 BÉGUE, A. Mission d'information à l'Ile Maurice. Rev. Agr. de l'Ile de la Réunion (n.s.)51:268-278. Nov./Dec.1951. 25 R32
Agricultural policy.

38432 BEILBY, O. J., and SCOLA, P. M. The agricultural output of Scotland. Scot. Dept. Agr. Scot. Agr. Econ. 3:5-8. 1952. 281.9 Sco3S

38433 BEILBY, O. J. Regional trends in Scottish agricultural production. Scot. Agr. 32:141-147. Winter 1952/53. 10 Sco82So

38434 BELLEW, J. K. American farming—a comparison. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:99-103. 1951/52. 10.5 An7

38435 BENSON, E. T. Changing the farm policy. U. S. News & World Rpt. 34(10):24-32,35-37. Mar.6, 1953. 280.8 Un33A
Report of an interview.

38436 BENSON, E. T. General statement on agricultural policy. Miss. Banker 37(9):12,28. Feb.1953. 284.8 M69

38437 BENSON, E. T. Statement on agricultural policy. Dairymen's League News 37(4):5,19. Feb.17, 1953. 44.8 D1432

38438 BERTHAULT, P. Les caractères et l'évolution de l'agriculture algérienne. Soc. Belge d'Etudes et d'Expansion. B. Bimes. 51:751-754. Nov./Dec.1952. 280.8 So17

38439 BERTHAULT, P. Les causes de la crise agricole actuelle. Rev. Agr. de l'Afrique du Nord 50:900-903. Dec.12,1952. 80 R326

38440 BERTHAULT, P. La Communauté Européene de l'Agriculture. Rev. Agr. de l'Afrique du Nord 50:820-823. Nov.21,1952. 80 R326

38441 BERZAGHI, M. N. Recovery. (In Portuguese.) Rev. dos Mercados 3(25):5-6. Sept.1952. 286.8 R328
Resource conservation including agriculture.

38442 BILZI, R. Agriculture in 1952. (In Italian.) Gaz. Agr. [Parma] 7(2):1-2. Jan.10,1953. 16 G255
Italy.

38443 BLONDELLE, R. La vraie situation agricole. Anjou Agr. 8(286):1. Dec.31,1952. 14 An5

38444 BOERENDONK, M. J. The influence of town growth upon farmland. (In Dutch.) Pacht 12:334-338. Nov.1952. 282.8 P11

38445 BONISCONTI, V. Law 991: "Provisions for the mountain areas." (In Italian.) Humus 8(10):11-17. Oct.1952. 16 H88

38446 BONOMI, P. On the agricultural situation. (In Italian.) Fed. Ital. dei Consorzi Agr. Not. 6(240):1-2. Dec.22,1952. 281.9 F315
Italy.

38447 BOYER, J. La Côte de l'Or. Nature [Paris] 3202:33-36. Feb.1952. 473 N21
Includes agriculture.

38448 BOZA B., T. Importancia de la agricultura en la economía nacional. Vida Agr. [Lima] 29:991-995, 997-998. Nov.1952. 9.8 V66
Peru.

38449 BREWBAKER, H. E. In Israel, Turkey and Greece with F. A. O. Through Leaves 40(6):15-19. Dec. 1952. 66.8 T41
Agriculture.

38450 BRINGS, T. Agriculture in Austria. Philippine Agr. Engin. J. 3(2):20,31. Second Q.1952. 58.8 Ag88

38451 BROUGH, O. L. In the Columbia Basin and elsewhere the future's in flexible farming. Wash. Farmer 78:79,84-85. Feb.5,1953. 6 R151

38452 BROZEN, Y. Farm prosperity suffering from high tariffs, high taxes. Wash. Farmer 78:103,105-106. Feb.5,1953. 6 R151

38453 BROZEN, Y. Maintaining farm prosperity. Nation's Agr. 28(2):22-25. Feb.1953. 280.82 B89
Farm program.

38454 BUTLER, E. Russia hinders Austrian recovery. Prog. Farmer, Tex. Ed. 68(2):100,105-106. Feb. 1953. 6 T311
Includes farming in Austria.

38455 CALZECCHI-ONESTI, A. The agricultural policy of Eisenhower. (In Italian.) Italia Agr. 89:785-786. Dec.1952. 16 It1

38456 CAMPBELL, K. O. The role of prices and investment in agricultural expansion. Austral. Q. 24(4): 30-42. Dec.1952. 280.8 Au7

38457 CARANDINI, N. Report on "plans" for a "Green Pool"' (In Italian.) Humus 8(10):3-8. Oct. 1952. 16 H88

38458 CARLSON, F. Farm income to be protected. GTA Digest 13:11-16. Jan.1953. 280.28 G11

38459 CARULLO, F. Emilia-Romagna region; plans for the application of the law of July 25, 1952, No. 991, setting forth provisions in favor of the mountain. (In Italian.) Mercanzia 7(11/12):13-31. Ref. Nov./Dec. 1952. 287 B635

38460 CASS, W. G. Agriculture in Taiwan. World Crops 5:56-59. Feb.1953. 281.8 W892

38461 CASTANOS ESPAILLAT, S. T. Progresos de la agricultura, la pecuaria y las industrias derivadas en la era de Trujillo. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(197):12-14. July/Sept. 1952. 8 R323

38462 CAVELL, N. The Colombo Plan. Canada. Dept. External Aff. External Aff. 4:425-430. Dec.1952. 280.9 C1623
Includes agricultural program.

38463 CAVINA, R. Organization of rural production. (In Portuguese.) Lav. e Criação 7(42):49-50. Sept.1952. 49 L392

38464 CERVI, B. El hambre del mundo pide nuevos esfuerzos a nuestra agricultura. Mundo Agr. 4(43):68. Dec.1952. 9 M92
Argentina.

38465 CEYLON. DEPT. OF CENSUS AND STATISTICS. Ceylon year book 1951. Colombo,1952. 279 p. 272 C336
Includes agriculture.

38466 CHERRINGTON, J. Which is inefficient,farmer or official policy? Farmer [Bridgwater] 7(2):12-13. Winter 1952. 10 F2282
British policy.

38467 CLOUGH, S. B. The agricultural policy of the United States of America. (In Italian.) Italia Agr. 89: 830-836. Dec.1952. 16 It1

38468 CONVEGNO ECONOMICO NAZIONALE DELL'-AGRICOLTURA, 2, PARMA, 1952. Atti [Acts]. Parma, 1952. 91 p. 281.9 C7674

38469 CRKVENČIĆ, I. Structure agraire de la vallée supérieure de la Bednja. (In Serbo-Croatian.) Geog. Glasnik 13:101-115. 1951,pub.1952. 278.8 G29
French summary.

38470 CUIZON, G. A. Nueva Ecija—granary of the Philippines. Agr. & Indus. Life 14(12):28-29,51. Dec. 1952. 25 Ag8
The agricultural situation.

38471 DALISAY, A. M. Agriculture and trade in a changing economy. Plowman 9:56-62,81. Sept.1952. 276.8 P72

38472 DAMBAUGH, L. N. Jamaica: an island in transition. J. Geog. 52:45-57. Feb.1953. 278.8 J82
Agricultural conditions and land tenure.

38473 DANNEMANN, R. Rückblick und ausblick. Landwirtbl. Weser-Ems 100:4-6. Jan.1,1953. 18 L2345

38474 DARLING, E. M. Trends in modern agriculture. Land Agents' Soc. J. 52:20-22. Jan.1953. 282.9 L22
Great Britain.

38475 DAVIS, L. H. Is this the plan for resource development? N. Y. Agr. Col. Farm Econ. 188:4918-4919. Jan.1953. 280.8 C812
Chenango County, New York.

38476 DENKSCHRIFT über die lage der schweizerischen landwirtschaft ende 1951. Brugg,Schweizeriches Bauernsekretariat,1951. 24 p. 281.8 D41

38477 DEWEZ, W. J. Limburg's agriculture reaches full development in the 20th century. (In Dutch.) Plattelands-Post 8(49):1. Dec.11,1952. 12 P69

38478 DUMONT, R. Une agriculture méditerranéenne traditionnelle: la Corse. France. Min. de l'Agr. Rev. Etudes & Monog. 77:237-243. Dec.1952. 281.8 F84

38479 ERDMAN, H. E. Reform programs and readjustments. West. Farm Econ. Assoc. Proc. 25:99-103. Ref. 1952. 280.9 W527P

38480 ESCOBAR MOREIRA, M. Ha llegado la hora de aunar el máximo de voluntades para lograr mejoramiento efectivo de la producción. Campesino [Santiago] 84(11):31. Nov.1952. 9.3 So12

38481 EUGERCIOS, J. F. La riqueza agrícola española. Siembra [Madrid] 8(8/9):18-20. Aug./Sept. 1952. 15 Si1

38482 EZEKIEL, M., and SACO, A. The problems of planning agricultural programs in less-developed countries (with special reference to Latin America). Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 1(8):2-8. Dec.1952. 251 F73Mb

38483 FABRICIUS, H. Agriculture in 1952. (In Danish.) Tolvmandsbladet 24:313-326. Dec.1952. 11 T58

38484 FANFANI. His Excellency the Minister of Agriculture speaks on agricultural productivity. (In Italian.) Humus 8(10):26-27. Oct.1952. 16 H88
Italy.

38485 FANFANI, H. E. A. Italy and the "Green Pool." Rev. Econ. Cond. Italy 7:5-8. Jan.1953. 280.8 R3236

38486 FANNING, J. W. Which way in 1953? Prog. Farmer, Ga-Ala.-Fla. Ed. 68(2):19,165. Feb.1953. 6 P945G

38487 FEDERAL RESERVE BANK OF SAN FRANCISCO. How will the farmer fare in 1953? West. Livestock J. 31(11):35,121,124-126. Feb.1953. 6 F2278

38488 FELICIANI, A. How the new law for the mountain came out and how it should be understood. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(10):6-8. Oct.1952. 287 So5

38489 FELICIANI, A. The new mountain law. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(9):8-11. Sept.1952. 287 So5

38490 1ST BRAZILIAN rural conference; held, in this Capital, October 7-11. (In Portuguese.) Lavoura 56: 6-19. Sept./Oct.1952. 9.2 L39

38491 THE FIVE-year Plan for development of agriculture in Burma. (In Dutch.) Landbouwwereldnieuws 7:772-777. Nov.29,1952. 12 L237

38492 FRANCE. COMMISSARIAT GENERAL DU PLAN DE MODERNISATION ET D'EQUIPEMENT. Cinq ans d'exécution du plan de modernisation et d'équipement de l'Union Française (réalisations 1947-1951 et programme 1952). Paris,1952. 390 p. 280.9 F844Re
Includes the agricultural program.

38493 FRANCE. DIRECTION DE LA DOCUMENTATION. Aperçu sur l'évolution économique du Mexique. (1945-1952). France. Dir. de la Doc. Notes et Etudes Doc. 1679,32 p. Nov.18,1952. 280.9 F843
Includes agriculture.

38494 GALLONI, G. III National Congress of Agricultural Law. (In Italian.) Genio Rur. 15:747-749. Dec. 1952. 281.8 R522
Held in Palermo, October 19-23,1952.

38495 GAYET, M. G. Evolution économique récente du Libéria. Acad. des Sci. Colon. Compt. Rend. 12: 373-384. July 4/8,1952. 505 Ac1Co
Includes agriculture.

38496 GERL, F. /In Gottes eigenem land. Landwirt 1953:54-58. 18 L2342
Agriculture in the United States.

38497 GIANASSO, M. A district in Valtellina above 1000 meters. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(10):9-12. Oct.1952. 287 So5
Description of the community and its agriculture.

38498 GIMENO, J. M. Orientación jurídica de la política agraria. Cooperación [Madrid] 128:10-11. Oct. 1952. 280.28 C7875
Spain.

38499 GNECCHI-RUSCONE, F. Preservation of mountain areas and integrated planning. (In Italian.) Ricerca Sci. 22(4,sup.A):267-269. 1952. 475 It1
English summary.

38500 GRAIONI, U. Agriculture can be in the vanguard of national economic progress. (In Italian.) Agricoltura 1(12):8-14. Dec.1952. 16 Ag8226
English summary.

38501 HAMELEN, M. C. VAN. Agricultural production and food supply in West Germany. (In Dutch.) Landbouwwereldnieuws 7:726-728. Nov.8,1952. 12 L237

38502 HANSEN, J. A. The Twelve-Man Associations. (In Danish.) Tolvmandsbladet 24:340-342. Dec.1952. 11 T58
Agriculture in Denmark.

38503 HELBIG, K. Menschen im urwald; beobachtungen gelegentlich einer durchquerung Borneos. Übersicht 3(11):37-41. Nov.1952. 18 Ub3
Includes agriculture.

38504 HELFER, R. Fervor of beginnings and operations in agriculture of Trentino and Upper Adige. (In Italian.) Agricoltura 1(12):56-60. Dec.1952. 16 Ag8226

38505 HELLKVIST, G. Swedish agriculture and rationalization. Swedish Foreign Com. 5:47-50. 1952. 286.8 Sw32

38506 HENIN, S. Les possibilites agricoles de la Guyane. Cahiers Franç. d'Inform. 219:6-8. Jan.1, 1953. 280.8 C11

38507 HEREDIA H., H. La agricultura en la selva. Mensajero Agr. 77:47-49,54. Oct./Nov.1952. 9.8 M52
Peru.

38508 HERMES, A. Die kommende agrarunionskonferenz. Raiffeisen-Rundschau 5:1-2. Jan.1953. 284.28 R132
Europe.

38509 HERRMANN, F. Rückblick und ausblick am jahresende. Bad. Landwirt. Wchnbl. 120:2-3. Jan.3, 1953. 18 B142

38510 HERRMANN, F. Rückblick und ausblick am jahresende. Württemb. Wchnbl. f. Landwirt. 120:1-3. Jan.3,1953. 18 W96

38511 HOLMSTROM, S. Jordbruket i Storbritannien. [Agriculture in Great Britain]. Jordbr. Utredningsinst. Meddel. 9-11, 3 nos. 1952. 11 St63M
English summaries.

38512 HOMAN, J. L. Finland, energetic and of one mind. (In Dutch.) Drents Landbbl. 33(48):15. Dec.4, 1952. 12 D812
Includes discussion of agriculture.

38513 HUBACH E., F. Ensayo sobre intensificación de la producción agropecuaria de la provincia de Osorno. Agr. Austral 22:309-312. Sept./Oct.1952. 9.3 Ag842

38514 HÜTTEBRÄUKER. Eindrücke von einer reise durch Schweden. II-III. Landwirt. Z. der Nord-Rheinprov. 120:8-9,36-37. Jan.3-10,1953. 18 L2344
Agriculture.

38515 INDIA in the agricultural world. East. Econ. 19:1037-1044. Dec.26,1952. 280.8 Ea72

38516 INDIA'S first five-year plan. India News 4(49): 1-8. Dec.27,1952. 280.8 In253
Includes agriculture.

38517 JACOBSEN, A. P. Agricultural production and marketing possibilities. (In Danish.) Jydsk Landbr. 34: 761-769. (Cont.) Nov.6,1952. 11 J99

38518 JACOBSEN, A. P. Increasing agricultural production in the O.E.E.C. [Organization for European Economic Cooperation] countries. Gt. Brit. Min. Agr. Agriculture 59:456-458. Jan.1953. 10 G79J

38519 JACQUEPONT, N. Où en est la campagne pour la productivité? Terre d'Oc 34:567-570. Dec.1952. 14 Ar5

38520 JUCCI, C. Agrarian genetics and agricultural reclamation in mountain areas. (In Italian.) Ricerca Sci. 22(4,sup.A):205-208. 1952. 475 It1
English summary.
Agriculture in Italy.

38521 KARLSHØJ, P. New year 1953. (In Danish.) Dansk Landbr. 72:1-2. Jan.8,1953. 280.28 V91
Agriculture in Denmark.

38522 KENNEDY, H. Irish agriculture. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:31-35. 1951/52. 10.5 An7

38523 KENTUCKY. UNIVERSITY. COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. What's the outlook for Kentucky agriculture in 1953. Ky. Agr. Col. Ext. L. 136,23 p. n.d. 275.29 K415Le

38524 KNUDSEN, A.F. Canada's farm prospects for 1953. (In Danish.) Denmark. Landbraadet. Meddel. 2:30-33. Jan.8,1953. 11 D415L

38525 LAGOS U, J. A. La zona agrícola de Esparta. Rev. de Agr. [San José] 24:373-375. Dec.1952. 8 Es1

38526 THE LAND annual for 1952. Land [Sydney] 2179,90 p. Oct.8,1952. 23 L22

38527 LANDSBANKA ISLANDS. Agriculture in 1951. (In Icelandic.) (Sum.) Freyr 47:380-386. Dec. 1952. 11 F89

38528 LAURENS, C. Les grandes lignes de la politique agricole. France. Min. de l'Agr. B. d'Inform. 40:A2-A8. 1952. 281.9 F845
France.

38529 LEIBFRIED, E. Gedanken über die zukunft unserer heimischen landwirtschaft. Landwirt 1953: 102,104-105. 18 L2342
Germany.

38530 LUCIEN, R. Les récoltes de Tunisie en 1952. Rev. Agr. de l'Afrique du Nord 50:872-874. Dec.5,1952. 80 R326
Agricultural situation.

38531 LUDWIG, P. Les possibilités de la collaboration économique agricole en Europe. Soc. Belge d'Etudes et d'Expansion. B. Bimes. 51:888-892. Nov./Dec.1952. 280.8 So17
The Green Pool.

38532 MCCORMICK, C. J. The farmer's own role. Washington,U. S. D. A., Off. Sec.,1952. 9 p. 1.91 A2M132
Talk before the Midwest Regional Conference of PMA Committeemen at Chicago, Nov. 12, 1952.

38533 MCCORMICK, C. J. Progress in agriculture. Washington,U. S. D. A., Off. Sec.,1952. 11 p. 1.91 A2M132
Talk at 4th National Mechanical Corn-Picking Contest, Rushville, Ind., Oct. 18, 1952.

38534 MCCORMICK, C. J. Your farm, your family, your future. Washington,U. S. D. A., Off. Sec.,1952. 13 p. 1.91 A2M132
Talk at State convention of Farmers Union, Mitchell South Dakota, Oct. 9, 1952.

38535 MAIER-BODE, F. W. Bauer in staat und wirtschaft. Hiltrup,1952. 50 p. 281.175 M28

38536 MAIER-BODE, F. W. Grenzen eines landwirtschaftlichen produktionsprogrammes. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:122. Jan.22,1953. 18 L2346

38537 MANABI. CONSORCIO DE CENTROS AGRICOLAS. Informe que presenta la Comisión que asistió a la VI Convención de Agricultores del Litoral, reunida en Machala del 25 al 29 de octubre del presente año, representando al Consorcio de Centros Agrícolas de Manabí. Consorcio de Cent. Agr. de Manabí. Rev. 12 (72):28-35. Oct./Dec.1952. 9.5 M31
Agricultural problems.

38538 MANDORFER, P. Wir haben nicht geruht. Bauer 5(46):2-6. Dec.27,1952. 19 B32
Austrian agricultural survey.

38539 MANSHOLT. Agricultural integration in the decisive stage. (In Dutch.) Landbode 6(47):1. Nov.27, 1952. 12 L234

38540 MARULL, J. La agricultura de los Estados Unidos. Campesino [Santiago] 84(11):63-65,67. Nov.1952. 9.3 So12
Policy.

38541 MATELA, A. G. Agricultural awakening in the Philippines. Plowman 9:63-65. Sept.1952. 276.8 P72

38542 MEISSNER, F. The socialization process in Czechosolovak agriculture. J. Farm Econ. 35:88-98. Feb.1953. 280.8 J822

38543 MERCER, W. B. The task. Herefordshire Agr. J. 13:13,15,17,19. Winter 1952/53. 10 H42
Increased food production in Britain.

38544 MIÈGE, E. L'effort accompli au Maroc en vue de l'évolution et de la modernisation de l'agriculture traditionnelle. Acad. des Sci. Colon. Compt. Rend. 12: 399-412. Sept.19,1952. 505 Ac1Co
Includes discussion.

38545 MISSION TO JAMAICA. The economic development of Jamaica; report by a mission of the International Bank for Reconstruction and Development. Baltimore, Johns Hopkins Press,1952. 288 p. 280.14 M692
Includes agricultural program.

38546 MORANDI, L. Economic and social aspects of mountainous agriculture. (In Italian.) Ricerca Sci. 22(4, sup.A):241-256. 1952. 475 It1
English summary.
Italy.

38547 MOROCCO. SERV. GENERAL DE L'INFORMATION. Trois ans de réalisation du plan marocain d'equipement. n.p.,1952? 11 p. 281.19 M822

38548 MUELLER, P. G. Strukturwandlungen in der kanadischen landwirtschaft. Agrarpolit. Rev. 9:226-233. Jan./Feb.1953. 281.8 Ag824

38549 MULHAUPT, L. Strukturwandlungen und nachkriegsprobleme der wirtschaft Schwedens. Kiel. U. Inst. f. Weltwirt. Kieler Studien 7,187 p. 1952. 280.9 K54K
Includes agriculture.

38550 NAIDU, K. V. Community projects. Madras J. Co-op. 43:565-568. May 1952. 280.28 M26
Agricultural program.

38551 NATIONAL INDUSTRIAL CONFERENCE BOARD. The business outlook,1953. New York,1952. 51 p. 280.9 N216St
Includes agriculture.

38552 NATIONAL INSTITUTE OF ANIMAL AGRICULTURE. Proceedings, 2, Lafayette, Indiana,April 21-22, 1952. Ithaca?1952. 118 p. 49.9 N219
Food production and agriculture.

38553 NIAGARA COUNTY, NEW YORK. PRODUCTION AND MARKETING ADMIN. COUNTY COMMITTEE The 1953 agricultural conservation program for Niagara County. Lockport,1953. 32 p. 281.9 N51

38554 1953 AGRICULTURAL outlook is for ample supply, leveling prices. Nowest. Banker 58(786):20-21, 23. Jan.1953. 284.8 N81

38555 NIXON, H. C. American Federal Government: a general view. New York,1952. 476 p. Ref. (Scribners Political Science Series) 280.12 N65
Contains a chapter on agriculture.

38556 OSVALD, H. Post-war agriculture. (In Swedish.) Sunt Förnuft 32:329-332,348,350. July 1952. 280.8 Su7

38557 PALMER, E. Europe combines in war against hunger. Veldtrust 13(10):12-13. Oct.1952. 56.8 V54
Agriculture.

38558 PAPI, G. U. Myths and realities of the European agricultural "pool." (In Italian.) Moneta e Credito 5:137-151. Second Q.1952. 284.8 M744

38559 PEIVE, IA. V. Certain measures to be added to the practice of socialist agriculture. (In Latvian.) Latv. PSR Zinatņu Akad. Vēst. 12:1884-1890. 1951. 511 R442

38560 PETERSEN-DALUM, J. Farming at the transition to the new year. (In Danish.) Dansk Landbr. 72:6-7. Jan.8,1953. 280.28 V91

38561 PINCHON, J. L'agriculture americaine. J. du Fermier et du Metayer 16:4-5. Dec.1952. 281.8 J823

38562 PINSTRUP, H. Agriculture at the end of 1952. (In Danish.) Jydsk Landbr. 34:907-917. (Cont.) Dec.25, 1952. 11 J99

38563 PISSOT, P. L'agriculture et l'économie rurale égyptiennes. France. Min. de l'Agr. B. Tech. d'Inform. 75:805-817. (Cont.) Dec.1952. 14 F844B

38564 RANDIVE, A. V. Agricultural development—some practical suggestions. Bombay Co-op. Q. 36:48-52. Oct.1952. 280.28 B63

38565 REBIFFÉ, H. La réforme fiscale et l'agriculture. Défense Agr. de la Beauce et du Perche 49:482-483. Dec.6,1952. 14 D36

38566 REHWINKEL, E., MEYER ZU BELM, and HESEMANN, C. Zur jahreswende. Landwirtbl. Weser-Ems 100:3-4. Jan.1,1953. 18 L2345

38567 RHODES, N. Bridging the gap. For Sale,Want & Exch. B. 7(6):1,4. Jan.15,1953. 280.38 F74
Florida agriculture.

38568 ROBERTS, H. O. South Texas agricultural development. Farm Electrif. 7:6-9. Jan./Feb.1953. 335.8 F224

38569 ROBINSON, C. K. The food production and distribution programme of Puerto Rico. Caribbean Comn. Mon. Inform. B. 6:111-113. Dec.1952. 280.9 C19

38570 ROBINSON, T. C. M. An American looks at our agriculture. Land [Sydney] 2179:4,22. Oct.8,1952. 23 L22

38571 ROMERIL, R. E. G. Agriculture in the Channel Isles. Veteran 4:35-42. Autumn 1952. 41.8 V6493

38572 ROSELLO, A. A. Diversificación agraria, industrialización y política inmigratoria. Tierra Libre 16(11):5. Nov.1952. 8 T443
Cuba.

38573 ROY. Les terres inondées de la Vallée Sahélienne du Niger. Agron. Trop. [Nogent-sur-Marne] 7:619-622. Nov./Dec.1952. 26 Ag86
Agricultural possibilities.

38574 RUIZ SANTAELLA, J. Agricultura intensiva holandesa Boskoop. Siembra [Madrid] 8(10):7-9. Oct. 1952. 15 Si1

38575 RUSSELL, E. W. Food and the future: present-day factors limiting food production. J. Sci. Food & Agr. 4:1-9. Jan.1953. 382 So12

38576 SACCO, P. L'amélioration des terres et de l'élevage dans la Vallée d'Aoste. Rev. de l'Élevage 8:58-61. Jan.1953. 49 B462
Agricultural program.

38577 SANTIBÁÑEZ, L. R. Indice alfabético de términos agrícolas más usuales en nuestro país con apéndice de maquinaria e implementos. Campo [Tacuba] 20(729):36,38,40-42. (Cont.) Nov.30,1952. 8 C157

38578 SCHIELLEIN, F. Der bauernschaft zum jahreswechsel. Bas-Rhin Agr. 7:621-622. Dec.31,1952. 14 B29

38579 SCHILL, L. Rück- und ausblick am jahreswechsel. Bauern-Ztg. 52:13,22. Dec.24,1952. 18 B324
Germany.

38580 SCHWARZACHER, F. Niederländische reiseeindrücke. Prakt. Landwirt 6:156-158. Dec.1952. 19 P88
Agricultural.

38581 SCHWEIZERISCHER BAUERNVERBAND PREISBERICHTSTELLE. Die schweizerische landwirtschaft im jahre 1952. Schweiz. Bauer 106(152):1-2. Dec.29,1952. 17 Sch95

38582 THE SECOND 5-year plan. Comments Argentine Trade 32(6):17-21,23,25,27,29,31-33,35,37,39,41. Jan.1953. 287 C359C
Includes agriculture.

38583 SHUMAN, C. B. Agriculture in 1953. Amer. Banker 118(21):41-47,56. Jan.30,1953. 284.28 Am32

38584 SINGH, S. D. Planning in agriculture achievements & outlook. Output 6:7-10. Aug./Oct.1952. 286.8 Ou8
India.

38585 SKOVGAARD, K. Agriculture in 1952. (In Danish.) Tidsskr. f. Landøkon. 1:1-44. Jan.1953. 11 T43

38586 SLATER, SIR W. Science and an expanding agriculture. Brit. Agr. B. 5:300-305. Jan.1953. 10 B776

38587 SOUTHERN RHODESIA. SECRETARY FOR NATIVE AFFAIRS. Report for the year 1951. Salisbury, 1952. 126 p. 280.9 R343
Includes agriculture.

38588 SPENCER, F. H. Contract policies of the U. S. Department of Agriculture. Washington,U. S. Agr. Res. Admin.,1952. 7 p. 1.98 Sp3
Remarks at the Experiment Station Section, Association of Land-Grant Colleges and Universities, Nov. 10, 1952.

38589 STRONG, T. H. Australia increasing rural production. Agr. Econ. 2(11):21-22. Oct.1952. 281.8 Ag832

38590 TANTZEN, J. Ein jahr der schwierigkeiten in den marschen. Landwirtbl. Weser-Ems 100:6-8. Jan.1,1953. 18 L2345

38591 THIEL, O., and PADBERG, K. Produktion und verkaufserlöse der landwirtschaft im Bundesgebiet. Agrarwirtschaft 1:325-332. Dec.1952. 281.8 Ag826

38592 TORRES, A. Recent trends in agriculture. (In Portuguese.) Lavoura 56:3-4. Sept./Oct.1952. 9.2 L39
Brazil.

38593 TUTVEDT, P., GESTRING, C., and KILPATRICK, J. The agriculture of Flathead County. Mont. State Col. Farmer 6:12-13,16. Dec.1952. 276.8 M76

38594 UNION DE BANQUES SUISSES. L'année 1952. n.p.,1952. 87 p. 284.9 Sch92Wf
Includes review of agriculture and the agricultural products industries.

38595 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A look back at farming in 1952, by K. M. Gapen. Washington,Dec.27,1952. 2 p. 1.914 R2R11

38596 U. S. LAWS, STATUTES, ETC. Compilation of Soil Conservation and Domestic Allotment Act, Agricultural Adjustment Act of 1938, Federal Crop Insurance Act, Sugar Act of 1948, Agricultural Act of 1949, Commodity Credit Corporation Charter Act, related appropriation items, and miscellaneous laws, including amendments as of January 1, 1953. Compiled under the direction of the Solicitor. U. S. D. A. Agr. Handb. 49,174 p. 1952. 1 Ag84Ah

38597 U. S. PRODUCTION AND MARKETING ADMIN. The national farm program: what it aims at and how it works. I. Serving the Nation in peace and war. Washington,1952. 5 p. 1.956 A2N219

38598 VALENCIA M., M. La labor de una institución. Soc. Antioqueña de Agr. B. Agr. 387:3539-3542. July 1952. 9.4 So1
Agricultural program of the Comité de Cafeteros de Antioquia.

38599 VIANA, J. J. DE O. Agricultural production and per hectare yields. (In Portuguese.) Agr. e Pecuaria 24(345):19. June 1952. 9.2 Ag89
Brazil.

38600 VLIEGER, J. Protection and care of our landscape. (In Dutch.) Groninger Landbbl. 30(44):5. Nov.6,1952. 12 G892
Relation between landscape types and agriculture in the Netherlands.

38601 WAAL, D. DE. Typical conformity of Danish agriculture. (In Dutch.) Landbode 6(46):1-2. Nov.20, 1952. 12 L234

38602 WAGNER, J. S. La agricultura moderna y la enseñanza agrícola en Alemania Occidental. Agronomía [Lima] 17(72):81-86. Oct./Dec.1952. 9.8 Ag83

38603 WAGNER, J. S. La agricultura moderna y la enseñanza agrícola en Alemania Occidental. Vida Agr. [Lima] 29:985-990. Nov.1952. 9.8 V66

38604 WAHLEN, F. T. Landwirtschaftliche weltprobleme unter dem gesichtswinkel der FAO und der schweiz agrarpolitik. Agrarpolit. Rev. 9:198-215. Jan./Feb.1953. 281.8 Ag824

38605 WALLNER, J. Leistungen und sorgen der landwirtschaft. Landwirt. Mitt. 92(23):1. Dec.15,1952. 19 L236
Germany.

38606 WARD, R. E. Economic phases of an agricultural program for Turkey. Ankara,1952. 52 p. 281.185 W21

38607 WELLS, O. V. Agriculture and technological improvement. West. Farm Econ. Assoc. Proc. 25:9-12. 1952. 280.9 W527P
Ideas underlying policy.

38608 WIGHTMAN, V. F. A second five-year plan for French agriculture. Overseas Rpt. Agr. Devlpmt. 2,3 p. Jan.1953. 281.9 C1642O

38609 WILLIAMS, E. Action taken on West Indian conference recommendations. II. Agricultural development. Caribbean Comn. Mon. Inform. Mon. B. 6:108-110. Dec.1952. 280.9 C19

38610 WRIGHT, A. J. Economic geography of Ohio. Ohio. Div. Geol. Survey. B. (ser.4)50,217 p. Ref. 406 Oh33 B
Includes agriculture.

COST AND STANDARD OF LIVING

38611 MORALES ANTEQUERA, C. Eutrapelias intranscendentes. Siembra [Madrid] 8(8/9):5-7. Aug./Sept.1952. 15 Si1
Cost of living.

FARM MANAGEMENT AND LAND ECONOMICS

38612 ABBOTT, B. T. Farm management notes. Livestock Wk. 7(8):28-29,75. (Cont.) Dec.25,1952. 49 L753
Address at annual meeting of American Society of Farm Managers and Rural Appraisers.

38613 ALBERTA. DEPT. OF LANDS AND FORESTS. Annual report for the fiscal year ended March 31st, 1952. Edmonton,1952. 89 p. 280.9 AL17

38614 ARCO, J. L. DEL. La nouvelle loi espagnole concernant l'entreprise agricole familiale. Agrarpolit. Rev. 9:215-219. Jan./Feb.1953. 281.8 Ag824

38615 ARIZONA. STATE LAND COMMISSIONER. Fortieth annual report July 1, 1951, to June 30, 1952, inclusive. Phoenix,1952. 48 p. 252.05 L22

38616 AYERS, T. L. Becoming established in farming. S. C. Young Farmer & Future Farmer Mag. 3(10):7, 12. Oct.1952. 6 So829

38617 BABO, F.,FREIHERR VON. Betriebstechnische probleme im wandel der zeit. Bad. Landwirt. Wchnbl. 120:22-23. Jan.3,1953. 18 B142

38618 BARCELO GARCIA DE PAREDES, A. Debemos modernizar la avicultura rural. Cult. Mod. 35:415. Nov.1952. 15 C89
Farm management in Spain.

38619 BECKERICH, A. Les cadres d'exploitations agricoles: comment calculer leur rémunération. Agr. Prat. 116:603-605. Dec.1952. 14 J82
France.

38620 BITTLER'S Lehigh County farm directory, 1951. Chalfont,Pa.,1951. 104 p. 225 L523

38621 BLISS, R. K. Good farming is a highly scientific job. (Extr.) Iowa Soil Dist. & Watersheds B. 1(3).10-11,14-15. Jan.1953. 290.8 Io9

38622 BOEZAARDT, P. Spread of the cooperative type of farm is of no interest to the farmer. (In Dutch.) Cent. Bur. Meded. 36:131-314. Nov.1952. 12 N287

38623 BONETTI, F. Considerations on management criteria for farms belonging to communes, provinces, and basic operations. (In Italian.) Genio Rur. 15:61-64. Feb.1952. 281.8 R522
Italy.

38624 BROHÉE. R. F. L'avenir des jeunes agriculteurs. Bruxelles,Commission Européenne de la Formation Professionelle des Jeunes,1952? 40 p. (Bureau Européen de la Jeunesse et de l'Enfance. Document) 275.1 B89
Includes education, credit, emigration, and farming problems.

38625 BURGER, O. E. Take care for the lean years! (In Afrikaans.) Wolboer 6(5):37. Dec.1952. 45.8 W83
Sheep farming in the Union of South Africa.

38626 CALABRESI, G. A., and ROSSI, G. The physiognomy of the farm. (In Italian.) Riso 1(10):17-23. Nov.1952. 59.8 R49

38627 CHRISTMAN, L. Century farms. Land 11: 279-280. Jan.1953. 279.8 L22

38628 CLAWSON, M. Area administration. Our Pub. Lands 2(4):3. Oct.1952. 156.55 Ou7

38629 CLAWSON, M. The role of the public domain in the economy of the West. West. Farm Econ. Assoc. Proc. 25:16-19. 1952. 280.9 W527P

38630 COIT, A. M. Farms for factories. Nation's Business. 41(2):70-71. Feb.1953. 286.8 N212

38631 COMMENT évolue l'exploitation agricole en France. Économie 8(373):7-9. Nov.13,1952. 280.8 Ec726

38632 CORBIN DE MANGOUX. Défense de l'entreprise agricole familiale. (Extr.) Agrarpolit. Rev. 9:181-189. Jan./Feb.1953. 281.8 Ag824
Europe.

38633 CRAY, A. S. Cheese and pigs from grass; it's a sound way to enlarge the scope of a dairy farm. Dairy Farmer [Ipswich] 25(6):21. June,1952. 44.8 D1414

38634 CROMIE, A. Practical diffulties encountered by the small farmer in Northern Ireland. Brit. Agr. B. 5:289-291. Jan.1953. 10 B776

38635 DAY, H. R., and MICHELMORE, W. A. Farming activities at Minnipa Seed Wheat Farm, 1952. So. Austral. Dept. Agr. J. 56:239-248. Dec.1952. 23 So84

38636 DEITEMEYER, C. Our school lands, a political football. I. Nebr. Farmer 95(2):7. Jan.17,1953. 6 N27

38637 DEVOTO, B. Billion dollar jackpot. Harper's Mag. 206(1233):53-56. Feb.1953. 110 H23
Public land policy.

38638 EBBENS, B. S. The northeast polders in 1952. (In Dutch.) Landbode 7(2):6. Jan.8,1953. 12 L234
Economic aspects of farming.

38639 EDE, R. Problems of smallholdings in Denmark. Brit. Agr. B. 5:287-289. Jan.1953. 10 B776

38640 FELCOURT, E. DE. L'auto-consommation dans l'entreprise familiale rurale. Acad. d'Agr. de France. Compt. Rend. 38:685-689. Nov.19/26,1952. 14 P215Bc

38641 FERREIRA, E. A. Notes and impressions on a trip to Uruguay and Argentina. (In Portuguese.) Agr. e Pecuaria 24(345):20-23. June 1952. 9.2 Ag89
Description of farms.

38642 FM PROBLEM study report No. 8: farmer dollars and horse sense conservation. Farm Mangt. 2(2): 35-48. Jan.1953. 281.8 F2225
Conservation farming.

38643 FRANCO, F. Ley de 15 de julio de 1952 sobre explotaciones agrarias ejemplares. Spain. Min. de Agr. B. de Inform. 5(36):4-5. July/Aug.1952. 281.9 Sp1
Spain.

38644 FREGOLA, C. The unfortunate metayers. (In Italian.) Gior. di Agr. 63:12. Jan.11,1953. 16 It1G
Italy.

38645 GLEASON, R. Hill farms of Wales. Land 11: 308-313. Jan.1953. 279.8 L22

38646 GOMES, P. Farming in the dry polygon. (In Portuguese). Bras. Açucareiro 40:230-232. Aug.1952. 65.8 B73

38647 GRANICHSTAEDTEN-CZERVA, O. Einiges über die agrargemeinschaften in Niederösterreich. Landwirtschaft 1/2:8-9. Jan.1953. 19 L235

38648 GT. BRIT. AGRICULTURAL LAND COMMISSION. Fifth report for the year ended 31st March 1952. London,1952. 37 p. 282.9 C793
Includes a chapter on management and farming of agricultural land.

38649 GRIGOR'ÉV, V. K. Prava i obiazannosti chlenov kolkhozov [Rights and obligations of collective farm members]. Moskva,Akademiia Nauk SSSR,1952. 45 p. (Nauchno-Populiarnaia Seriia) 30.5 G87

38650 GRUBER, A. Gold, weihrauch und myrrhen im bauerntum. Bauer 5(45):4-5. Dec.20,1952. 19 B32
Austria.

38651 HALLE, J. Die organisation der kleinen kuhbauernbetriebe der höhengebiete in Eifel und Hunsrück. Agrarwirtschaft 2:31-36. Jan.1953. 281.8 Ag826

38652 HARVEY, N. Walter of Henley and the old farming. Gt. Brit. Min. Agr. Agriculture 59:486-492. Jan.1953. 10 G79J

38653 HEGHE, VAN. Verbesserte viehnutzung, bessere rentabilität. Bauer 25(3):3-5. Jan.18,1953. 281.8 B323
Belgium.

38654 HENDERSON, F. Balanced farming as the key to higher productivity. Gt. Brit. Min. Agr. Agriculture 59:474-477. Jan.1953. 10 G79J

38655 HINLOPEN-NANNINGA, G. A. Impressions of a trip into the Italian countryside. (In Dutch.) Drents Landbbl. 33(50):16-17,19. Dec.20,1952. 12 D812

38656 HOCHMUTH, H. R. Results of farm management studies, family size livestock ranches. West. Farm Econ. Assoc. Proc. 25:70-73. 1952. 280.9 W527P

38657 HOLME, F. Business aspects of a small family farm. Oxford,Inst. Res. Agr. Econ.,1952. 47 p. 281.171 H73

38658 HOLME, F. Planning for profit in egg production. Scot. Dept. Agr. Scot. Agr. Econ. 3:24-31. 1952. 281.9 Sco3S

38659 KOSOV, V. Reducing net cost of production in cotton-growing sovkhozes. (In Russian.) Khlopkovodstvo 9:15-24. Sept.1952. 72.8 K522

38660 LANGSFORD, E. L., and COLVIN, E. M. Pasture opportunities in the South—better balanced farming. Agr. Situation [Washington] 37:12-13. Jan.1953. 1 Ec7Ag

38661 LEE, L. F. A way back to land freedom. Amer. Forests 59(2):15,26-27,34. Feb.1953. 99.8 F762
Federal land ownership.

38662 LEE, L. F. A way back to land freedom. (Condensed.) Wood & Wood Prod. 58(2):29-30,79. Feb. 1953. 99.82 W856
Federal land ownership.

38663 MCCORMICK, R. J. How to acquire a small tract. Our Pub. Lands 2(4):4,12. Oct.1952. 156.55 Ou7

38664 MCMILLAN, J. A. Experimental husbandry farms: review of progress. Gt. Brit. Min. Agr. Agriculture 59:459-462. Jan.1953. 10 G79J

38665 MCNEIL, J. D., and STANLEY, F. E. Organizational problems on small farms in north Louisiana upland cotton area. La. Agr. Expt. Sta. Mimeog. C. 147, 28 p. Jan.1953. 100 L935

38666 MARTIN-LEAKE, H. Co-partnership in colonial agriculture. New Commonwealth 25(2):63. Jan.29, 1953. 280.8 C88

38667 MAUSER, W. Nachhaltige leistungssteigerung auf unseren bauernhöfen. Salzburger Bauer 7(6):12-13. Feb.7,1952. 19 Sa3

38668 MEILHAN, A. Les champs de démonstration à la ferme-pilote de Coumets en 1952. Terre d'Oc 34: 540-543. (Cont.) Dec.1952. 14 Ar5

38669 MEJER, E. Where there is a will, there is a way. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8:19-20. Autumn 1952. 281.9 N842
Farm management in Great Britain.

38670 MIGHELL, R. L. What is the place of the equal-product function? J. Farm Econ. 35:29-43. Feb. 1953. 280.8 J822
Applications of the iso-product function in animal feeding.

38671 MONTANA. DEPT. OF STATE LANDS AND INVESTMENTS. Biennial report for the period beginning July 1, 1950 and ending June 30, 1952. Helena,1952. 35 p. 252.49 L22

38672 NEHER, L. Efforts toward efficiency have importance for the small and medium-sized holdings. (In Dutch.) Nederland. Landb.-Com. Cent. Bur. Meded. 37: 5-7. Jan.1953. 12 N287
Farm management in the Netherlands.

38673 NEW MEXICO. COMMISSIONER OF PUBLIC LANDS. Report for the thirty-ninth fiscal year beginning July 1, 1950—ending June 30, 1951. Santa Fe,1952? 15 p. 252.59 P96B
Report on the State Land Office.

38674 OLSON, F. The place of the ranch consultant. Canad. Cattlemen 16:16-17,20. Jan.1953. 49 C16

38675 PAGANI, A. The category of professional farmers. (In Italian.) Riso 1(11):3-5. Dec.1952. 59.8 R49

38676 PATUELLI, V. Intensiveness of farming on representative farms in Ravenna. (In Italian.) Genio Rur. 15:65-71. Feb.1952. 281.8 R522

38677 PERSON, H. C. Es posible sacarle más rendimiento a mi finca? Rev. de Agr. [San José] 24:390-396. Dec.1952. 8 Es1

38678 QUEBEC. DEPT. OF LANDS AND FORESTS. Report for the year ending March 31st, 1950. Quebec, 1951. 161 p. 253.8 L23

38679 REYNEKE, C. J. Braklaagte—the Corn Board's farm. (In Afrikaans.) Landbouweekblad 34 (1738):20-21. Nov.5,1952. 24 L232

38680 RICHARDSON, P. P. Getting to know more about East Midlands farms. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8:24-25. Autumn 1952. 281.9 N842
Types of farming.

38681 RIDDELL, W. Cafeteria land office. Our Pub. Lands 2(4):7,14. Oct.1952. 156.55 Ou7
Access to public records.

38682 ROBINSON, W. J. Dutch farming is intensive. Rur. Econ. 20(10):5. Dec.1952/Jan.1953. 281.28 R8842

38683 SALA ROCA, E. Las explotaciones agrarias ejemplares. Inst. Agr. Catalán de San Isidro. Rev. 101: 235-236. Oct.1952. 15 Sa5

38684 SCHATAN, J. El abastecimiento de productos alimenticios en Santiago. Economía 12(40):46-67. Ref. Oct.1952. 280.8 Ec734
Farm management and marketing.

38685 SHARRER, G. H. Gypsum from public lands. Our Pub. Lands 2(4):5. Oct.1952. 156.55 Ou7

38686 SKÖLD, T. The rate of rationalization. (In Swedish.) Lantbrtidskr. f. Stockholms Län och Stad 2(4): 1-2. 1952. 12 L29

38687 SMITH, V. T. Balanced farming means top returns plus conservation. Idaho Agr. Sci. 38:4. First Q.1953. 276 Id13

38688 SORDONI, A. J. Pennsylvania, the "Keystone State"—an industrial and agricultural giant, rich in people, resources and history. Natl. Grange Mon. 50(2): 22-23,25,35,37,47. Feb.1953. 6 N215
Includes agriculture in Pennsylvania.

38689 SPAIN, H. Cropping plans for 1953. Irish Agr. & Creamery Rev. (n.s.)18(229):22-23. Jan.1953. 44.8 C866

38690 SVENSSON, E. My experiences with cattle. (In Swedish.) Lantmannen 37:55-56. Jan.17,1953. 11 L234
Farm management.

38691 TIENSTRA, T. Rationalization and/or intensification. (In Dutch.) Plattelands-Post 8(51):7. Dec.23, 1952. 12 P69

38692 WALLNER, J. Erhaltung der bäuerlichen familienwirtschaft. Agrarpolit. Rev. 9:189-197. Jan./Feb.1953. 281.8 Ag824
Europe.

38693 WETTERHALL, H. The rate of the agricultural rationalization. (In Swedish.) Jordbrekon. Meddel. 14:504-511. Dec.1952. 257.3 J76
English summary, p. 492.

38694 WOOD, R. O. Some notes about sheep. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8: 7-9. Autumn 1952. 281.9 N842
Management and costs in Great Britain.

38695 YOHE, R. S. The Finns come back; families work together carving small farms from the forest. Nebr. Farmer 95:8,37. Jan.3,1953. 6 N27

38696 YOHE, R. S. Making living on 19 acres. Prairie Farmer, Gen. Ed. 125(3):52-53,55. Feb.7,1953. 6 P883
Farming in Denmark.

38697 YOHE, R. S. Small farms; high yields. Farmer [St. Paul] Gen. Ed. 71(3):12,36. Feb.7,1953. 6 F2211
Farming in Denmark.

Bookkeeping and Records

38698 ANDERSON, W. J. A farm accounting system adapted to income tax requirements. Butter-fat 30(11): 4-5. Feb.1953. 44.8 B98

38699 COUNTRY GENTLEMEN'S ASSOCIATION. The estate book and diary 1953. London,1953. 62 p. 10 C832

38700 DILLON, M. Commonsense or costings. Agr. Ireland 10:9-10. Jan.1953. 10.5 Ag8
Cost accounting.

38701 GRONINGER MAATSCHAPPIJ VAN LANDBOUW. COMMISSIE LANDBOUWBOEKHOUDING. Report. (In Dutch.) Groninger Landbbl. 30(49):7. Dec.11, 1952. 12 G892

38702 HEILINGER, M. Warum landwirtschaftliche buchführung? Landwirt. Mitt. 92(23):6-7. (Concl.) Dec.15,1952. 19 L236

38703 INGERSENT, K. A. Why the horticultural producer should keep accounts. Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8:20-24. Autumn 1952. 281.9 N842
Great Britain.

38704 KAHSNITZ. Leistungsbeurteilung landwirtschaftlicher betriebe. Ausbild. u. Beratung in der Landwirt. 5:76-78. 1952. 18 N11
Germany.

38705 LEVITIN, I. Certain questions of accounting in cotton [growing] kolkhozes. (In Russian.) Khlopkovodstvo 9:25-31. Sept.1952. 72.8 K522

38706 MIDDLEBROOK, S. Don't forget the pinch of salt. Grower [London] 39:185-186. Jan.24,1953. 286.83 M34
Accounting in mushroom culture.

38707 MONTGOMERY, G. A. $30 an hour! That's what keeping books on their farm operation pays. Capper's Farmer 64(2):25,64,66-67. Feb.1953. 6 M693

38708 PARENT, N. La comptabilité agricole. Ferme 14(3):16-17. Nov.1952. 7 F38

38709 PEEL, A. E. Cost control for the compounder. Agr. Merchant 32:237-241. Sept.1952. 10 Ag89

38710 SIJTSMA, P. Cooperative central agricultural bookkeeping. XXXII. (In Dutch.) Bolwerk 5(5):15-16 Nov.1952. 280.28 B633

38711 SIJTSMA, P. Cooperative central agricultural bookkeeping. XXXIII. (In Dutch.) Bolwerk, 5(6):19-20. Dec.1952. 280.28 B633

Costs and Returns

38712 ASHBY, A. W. Output per acre or per man? Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8: 16. Autumn 1952. 281.9 N842

38713 BAKER, C. B. Resource productivity in dryland farming. West. Farm Econ. Assoc. Proc. 25:36-39. 1952. 280.9 W527P

38714 BARNSTEDT. Umsatz-durchschnittssätze für nicht aufzeichnungspflichtige landwirte 1952/53. Landwirtbl. Weser-Ems 100:11-12. Jan.1,1953. 18 L2345

38715 BEINKE. Getreidebau, hackfruchtbau u. viehhaltung in wirtsch. beleuchtung. Landwirtbl. Weser-Ems 100:32-34. Jan.8,1953. 18 L2345
Costs.

38716 BLAIS, R. Le coût de production du lait. Foyer Rur. [Montreal] 12(2):9. Dec.1952. 7 F83

38717 BLOHM. Die rentabilität der fütterung. (Extr.) Futter u. Fütterung 24:180-181. Nov.1952. 389.78 F98

38718 BOUDEWIJN, C. A reasonable livelihood or a culture inflicting losses? IV. (In Dutch.) Fruitteelt 42: 807. Nov.6,1952. 86 N28
Fruit.

38719 BROCKETT, J. E. You can make $1.80 per layer in 1953. N. J. Farm & Gard. 24(2):54-55,66. Feb. 1953. 6 G162

38720 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Freestone peach management study, Solano County; third annual report crop year 1952, by B. B. Burlingame. Berkeley?1952? 8 p. 275.29 C12En
Costs and returns.

38721 CARD, L. E., and SCOTT, H. M. Yardstick for maximizing returns from broiler growing. Va. Poultryman 7:54-55,120-126. Jan.1953. 47.8 V812

38722 CARPENTER, K. S. Hatching eggs or market eggs? N. Y. Agr. Col. Farm Econ. 188:4921-4923. Jan.1953. 280.8 C812
Costs and returns.

38723 COGAN, C. Sugar beet. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:54-57. 1951/52. 10.5 An7
Production costs and methods in Ireland.

38724 DENMARK. LANDØKONOMISKE DRIFTSBUR. Undersøgelser over landbrugets driftsforhold. XXXV. Regnskabsresultater fra danske landbrug i året 1950-51, 2. del [Farm management investigations. XXXV. Accounting results of Danish agriculture in the years 1950-51], pt. 2]. København,1952. 119 p. 11 D414
Costs and returns.

38725 DENMARK. LANDØKONOMISKE DRIFTSBUR. Undersøgelser over landbrugets driftsforhold. XXXVI. Regnskabsresultater fra danske landbrug i året 1951-52 [Farm management investigations. XXXVI. Accounting results of Danish agriculture in the years 1951-52]. Denmark. Landøkon. Driftsbur. Undersøg. over Landbr. Driftsforh. 1,75 p. 1952. 11 D414
English summary.

38726 DONETH, J. C., and others. Michigan farm business report for 1951. Mich. Agr. Expt. Sta. Q. B. 35:161-169. Nov.1952. 100 M58S
J. M. Nielson, E. M. Elwood, W. H. Vincent, and R. T. Hartwig, joint authors.

38727 DUTHIE, W. B. Report on financial results of 53 East of Scotland farms for 1950-51:comprising group I, 31 hill sheep farms; group II, 22 stock-rearing farms. Edinb. & East Scot. Col. Agr. B. 34,52 p. May 1952. 103 Ed4E

38728 GFRERER, H. Zwei flachgauer. Salzburger Bauer 7(6):1-2. Feb.7,1952. 19 Sa3
Farm costs and returns.

38729 HENDRIKSEN, T. Is my orchard still profitable? (In Dutch.) Fruitteelt 43:10. Jan.3,1953. 86 N28

38730 HENDRY, G. F., and SHEMILT, H. J. The economics of milk production since the war. Scot. Dept. Agr. Scot. Agr. Econ. 3:19-23. 1952. 281.9 Sco3S

38731 HENDRY, G. F. The financial results of farming in 1950/51 (including a comparison with 1949/50). Scot. Dept. Agr. Scot. Agr. Econ. 3:9-18. 1952. 281.9 Sco3S

38732 HEUSER, O. E. Lassen sich die erzeugungskosten senken? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:119-120. Jan.22,1953. 18 L2346

38733 HILADO, A. The economics of sugar cane farming. IV. Sugar News [Manila] 28:588. Dec.1952. 65.8 Su36
Costs.

38734 HOWALD, O. Die schweizerischen buchhaltungserhebungen, agrarpolitisch betrachtet. Agrarpolit. Rev. 9:219-223. Jan./Feb.1953. 281.8 Ag824

38735 HUNT, R. W. T. How many eggs per hen? Nottingham. U. Dept. Agr. Econ. Farm Mangt. Notes 8: 13-15. Autumn 1952. 281.9 N842
Costs and returns in Great Britain.

38736 HYER, E. A., and BECKER, M. H. An economic study of improved pastures. Oreg. Agr. Expt. Sta. B. 520, 35 p. Aug.1952. 100 Or3

38737 LANTBRUKSAKADEMIENS KOMMITTÉ FÖR EKONOMISK FORSKNING. Costs and profits of farms with and without cattle; investigation of middle-sized farms in central Sweden, 1947-1949. (In Swedish.) Lantbrakad. Tidskr. 91:399-466. Ref. 1952. 104 Sw3
English summary.

38738 LEASK, D. M. R. Report on financial results of 178 East of Scotland farms for 1950-51: comprising group III, 40 stock raising and feeding farms; group IV, 79 arable farms; group V, 59 dairy farms. Edinb. & East Scot. Col. Agr. B. 35,59 p. June 1952. 103 Ed4E

38739 MORELL, M. Los frutos y los climas. Rev. del Café 8(5):7. Dec.1952. 8 R3295
Returns from labor invested in fruit culture.

38740 NORGES LANDBRUKSØKONOMISKE INSTITUTT. Driftsgranskinger i jordbruket, regnskapsresultater 1950-51 [Farm management studies, results of accounts 1950-51]. 2. Oslo,1952. 180 p. 11 N762

38741 ODERMATT, J. Ueber den "rohertrag" in landwirtschaftsbetrieben. Agrarpolit. Rev. 9:233-235. Jan./Feb.1953. 281.8 Ag824

38742 PARVIN, D. W. Sheep produce good returns on investment. Miss. Farm Res. [Miss. Sta.] 16:1,7. Jan. 1953. 100 M69Mi

38743 PHILLIPS, J. R. E. General report on the costs of milk production for 60 herds during 1950-51. U. Col. Wales. Dept. Agr. Econ. Studies Welsh Dairy Farming 4,30 p. Jan.1953. 281.3449 Un32

38744 SCHMIDT, M. Der einfluss der milchleistung auf die kosten der milcherzeugung. Salzburger Bauer 7(6):8-11. Feb.7,1952. 19 Sa3

38745 SCHWEIZERISCHES BAUERNSEKRETARIAT. Ergebnisse von buchhaltungserhebungen in landwirtschaftsbetrieben, erntejahr 1950/51 (1. märz 1950 bis 28. februar 1951). 1. Landwirt. Jahrb. der Schweiz 66: 781-853. 1952. 47 L23
Costs and returns.

38746 SHEMILT, H. J. Costs on small dairy herds. Scot. Dept. Agr. Scot. Agr. Econ. 3:32-37. 1952. 281.9 Sco3S

38747 SHEMILT, H. J. Milk production costs 1949/50 and 1950/51. Scot. Dept. Agr. Scot. Agr. Econ. 3:46-48. 1952. 281.9 Sco3S

38748 SINGH A., and SAMUNDRI, B. S. Farm accounts in the Punjab 1949-50. East Punjab. Bd. Fcon. Inq. P 16,90 p. 1952. 281.9 Ea72

38749 SONCHUS. Cost price calculation of the L.E.L. for milk. (In Dutch.) Boerderij 37(12):1,3. Dec.17,1952. 12 B63
Netherlands.

38750 STROETZEL, D. S. Can you make money raising dogs? Pathfinder 60(4):38,40. Feb.18,1953. 280.8 P27
Costs and returns.

38751 TINTNER, G., and BROWNLEE, O. H. Production functions derived from farm records—a correction. J Farm Econ. 35:123. Feb.1953. 280.8 J822

38752 TYERS, K. G. Costs and returns of growing barley in the South West of England, 1951. Bristol U. Dept. Econ. Rpt. 72,18 p. Oct.1952. 281.9 Se1

38753 WIJK, P. J. Early or late chicks. (In Dutch.) Pluimveeteelt 6:3. Jan.2,1953. 47.8 P722
Returns.

38754 WILLIAMS, T. Irrigated pastures + concentrates = greater profits. Mont. State Col. Farmer 6:9, 15,20. Dec.1952. 276.8 M76
Cattle costs and returns.

38755 COMMONWEALTH DAIRY PRODUCE EQUALISATION COMMITTEE. Eighteenth annual report of directors and balance sheet as at 30th June, 1952. Sydney,1952. 11 p. 281.3449 C73

38756 MITSCHER, W. Der meinungsstreit um die subventionierung des Dieselkraftstoffs. Tech. f. Bauern u. Gärt. Ausg. A 4:505-506. Nov.25,1952. 58.8 T223
Germany.

38757 SUCHTELEN, G. E. VAN. Subsidizing of agriculture in Sweden. (In Dutch.) Landbouwwereldnieuws 7:701-702. Nov.1,1952. 12 L237

38758 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Bundessubventionen und gesetzliche anteile 1950. Bern,1952. 68 p. 262 St2Q

Land Settlement and Colonization

38759 BOVERTON CASTLE CO-OPERATORS (WELSH LAND SETTLEMENT). Fifteenth annual report, 1st February, 1951 to 31st January, 1952. Cardiff,1952. 8 p. 280.29 W462

38760 COURT HOUSE CO-OPERATORS (WELSH LAND SETTLEMENT). Thirteenth annual report 1st February, 1951 to 31st January, 1952. Cardiff,1952. 8 p. 280.29 W463

38761 EISNER, F. C. Apuntes sobre colonización con inmigrantes. Uruguay. Inst. Nac. de Colon. B. 3(30):5-8; (33):7-10. (Cont.) Aug.,Nov.1952. 282.29 Ur8
Uruguay.

38762 EISNER, F. C. Apuntes sobre colonización con inmigrantes. Uruguay. Inst. Nac. de Colon. B. 3(31): (Cont.) Sept.1952. 282.29 Ur8
Uruguay.

38763 LA ESFERA; EL DIARIO NACIONAL DEL PUEBLO Y PARA EL PUEBLO VENEZOLANO. Instituto Agrario Nacional, 3 años de labor. Caracas,1952? 4 p. (Its Suplemento Especial) 282.29 C17

38764 FANFANI, A. The law for the formation of the small peasant property. (In Italian.) Agricoltura 1(12):5-7. Dec.1952. 16 Ag8226
English summary.

38765 FFERM GOCH CO-OPERATORS (WELSH LAND SETTLEMENT). Eleventh annual report 1st February, 1951 to 31st January, 1952. Cardiff,1952. 8 p. 280.29 W464

38766 FOERDER, Y. Rural and suburban settlement. Israel Export J. 4(12):31. Dec.1952. 286.8 Is7

38767 KIMMICH. Flüchtlingssiedlungsgesetz und einheimische landwirtschaft. Württemb. Wchnbl. f. Landwirt. 119:1132-1133. Dec.13,1952. 18 W96

38768 LAND settlement policy. Bank N. S. Wales. Rev. 11:11-13. Nov.1952. 284.9 B2295R
Australia.

38769 NEW ZEALAND. DEPT. OF LANDS AND SURVEY. Settlement of Crown lands (annual report on), 1951/52. Wellington,1952. 36 p. 282.9 N48

38770 QUEBEC. DEPT. OF COLONISATION. Rapport pour l'exercice financier terminé le 31 mars, 1952. Québec,1952. 73 p. 282.29 Q33

38771 REIS, B. DOS. United we will be strong. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C.C.P.L. 5:323-324. Nov.1952. 44.8 B634
Cooperative agricultural settlement in Brazil.

38772 ROSEMARKET CO-OPERATORS (WELSH LAND SETTLEMENT). Thirteenth annual report 1st February, 1951 to 31st January, 1952. Cardiff,1952. 8 p. 280.29 W465

38773 SEALAND MANOR CO-OPERATORS (WELSH LAND SETTLEMENT). Fourteenth annual report 1st February, 1951 to 31st January, 1952. Cardiff,1952. 8 p. 280.29 W466

38774 SILVA, A. M. DA. Settlement of the Limpopo Valley in units. (In Portuguese.) Gaz. do Agr. 4:254. Oct.1952. 24 G25

Land Tenure

38775 ACOSTA L., A., and ACOSTA L., I. La reforma agraria en Guatemala. Rev. de Econ. 15:374-379. Dec.1952. 280.8 R3293

38776 ACQUAVIVA, F. First contribution to the collection of customs on consignment and reconsignment of farms. II. Agro Romano. (In Italian.) Genio Rur. 15: 11-22. Feb.1952. 281.8 R522

38777 ACQUAVIVA, F. First contribution to the collection of customs on the consignment and reconsignment of farms. III. Composition in Tuscan share-farming. (In Italian.) Genio Rur. 15:135-151. Ref. Apr.1952. 281.8 R522

38778 AFTERMATH of farm reform. Oriental Econ. 20:176-177. Dec.1952. 280.8 Or4
Japan.

38779 AGER. Probleme der bayerischen almwirtschaft. Grünland 2:1-4. Jan.1953. 18 G922
Includes tenure problems and management.

38780 BAER, G. The agrarian problem in Iraq. Middle East. Aff. 3:381-391. Dec.1952. 280.8 M584
Tenure.

38781 BARNSTEDT, F. Aus der rechtsprechung zum heuerlingswesen. Recht der Landwirt. 4:314-315. Dec. 1952. 30.58 R24
Germany.

38782 BATCHELDER, R. B. The evolution of Cuban land tenure and its relation to certain agro-economic problems. Sowest. Social Sci. Q. 33:239-246. Dec.1952. 280.8 So82

38783 BERTHAULT, P. L'évolution de la propriété rurale algérienne. Rev. Agr. de l'Afrique du Nord 50: 716-717. Oct.24,1952. 80 R326

38784 BOERENDONK. M. J. The distribution situation for Netherlands agricultural holdings. (In Dutch.) Pacht 12:354-365. Dec.1952. 282.8 P11

38785 BONFIGLI, C. The straightening of boundaries. (In Italian.) Genio Rur. 15:23-28. Feb.1952. 281.8 R522

38786 CERCLER, R. Sachons sauvegarder nos patrimoines. Agr. Prat. 116:608. Dec.1952. 14 J82
Tenure in France.

38787 CHANG, A. S. Land reform in Communist China. Far East. Econ. Rev. 13:651-652. Nov.20,1952. 280.8 F223

38788 CLARAMUNT, T. Regimen de tenencia de la tierra y la colonización oficial en el Uruguay. Uruguay. Inst. Nac. de Colon. B. 3(31):12-18. Sept.1952. 282.29 Ur8

38789 CONFERENCE ON WORLD LAND TENURE PROBLEMS, UNIVERSITY OF WISCONSIN, 1951. We talked about land & people. Madison,1952? 31 p. 282.9 C762W

38790 CRIPPS, A. Landlord and tenant under the Agriculture Act, 1947, and the Agricultural Holdings Act, 1948. Land Agents' Soc. J. 51:533-538. Dec.1952. 282.9 L22

38791 DELUCQ. Conditions équitables de fermage pour les jeunes ménages dépourvus d'avances. Terre d'Oc 34:538-540. Dec.1952. 14 Ar5

38792 DENMARK. LANDBRUGSMINISTERIUM. Betaenkning angående overgang af forpagtnings- og lejeforhold under godserne til frit eje samt revision af lovgivningen om brug af huse på landet [Opinion on the transition of lease and tenants' relations under the estates to ownership and revision of the legislation on the use of houses in the country]. København,Schultz, 1952. 55 p. 282.173 D41

38793 FASSETTA, L. The ownership of irrigation canals on reclamation projects. (In Italian.) Genio Rur. 15:680-693. Dec.1952. 281.8 R522
Italy.

38794 FOLDENAUER, W. Die bedeutung der gemeindenutzungsrechte. Landwirt. Wchnbl. 143:81-82. Jan. 24,1953. 18 L2338
Land tenure in Germany.

38795 FRANCE. DIRECTION DE LA DOCUMENTATION. Documents sur la réforme agraire devant les Nations-Unies. France. Dir. de la Doc. Notes et Etudes Doc. 1686, 20 p. Dec.2,1952. 280.9 F843

38796 GAUTHIER, A. Le cumul des exploitations agricoles. J. du Fermier et du Metayer 15:4-5. Nov. 1952. 281.8 J823
France.

38797 GILPIN, D. Which side of the fence are you on? W. Va. Conserv. 16(10):6-11. Dec.1952. 279.8 W524
Farmer-sportsmen relations.

38798 GRONINGER MAATSCHAPPIJ VAN LANDBOUW. COMMISSIE BODEM-EGALISATIEFONDS. Report. (In Dutch.) Groninger Landbbl. 30(49):8-10. Dec. 11,1952. 12 G892
Leases.

38799 HAECKER. Hofübergabe durch pachtvertrag. Württemb. Wchnbl. f. Landwirt. 119:1147. Dec.20,1952. 18 W96

38800 HEADY, E. O. Technical scale relationships and farm size policy. South. Econ. J. 19:353-364. Jan. 1953. 280.8 So84

38801 HENRICI. Zum neuen landpachtgesetz: beanstandungs-verfahren von landpachtverträgen. Hannoversche Land- u. Forstwirt. Ztg. 106:2. (Concl.) Jan. 3,1953. 18 H194

38802 HENRIOT, M. La propriété viticole en Côte-d'Or au début de la révolution: le vignoble de Segrois. (Condensed.) France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-Vie. B. 43:7-10. Oct.1952. 390.9 F843

38803 HENSE. Pfand- und zurückbehaltungsrechte des abziehenden pächters. Recht der Landwirt. 4:311-312. Dec.1952. 30.58 R24
Germany.

38804 JACOBSEN, B. New rules in regard to houses in the country. (In Danish.) Dansk Skovfor. Tidsskr. 37: 555-562. Dec.1952. 99.8 D23
Includes farm tenancy.

38805 JEURINK. J. Zum generationenproblem in der landwirtschaft. Deut. Landwirt.-Gesell. Mitt. 67: 1000. Dec.25,1952. 18 N39

38806 JONG, S. H. DE. Lease statistics and standards. (In Dutch.) Drents Landbbl. 33(44):5. Nov.6,1952. 12 D812
Rent increases in the Netherlands.

38807 JONG, S. H. DE. Lease statistics and standards; rent increases for farmers lie in the offing. (In Dutch.) Landbode 6(44):5. Nov.6,1952. 12 L234
Netherlands.

38808 KAKAMI, H. Changes in farming after the land reform. (In Japanese.) Utsunomiya U. Col. Agr. B. 1:372-388. Mar.1952. 107.6 Ut7B
English summary.

38809 LAND reform in Egypt. Indus. & Labour 8 442-445. Dec.1,1952. 283.8 In23

38810 LANGDON, A. J. Landowning in England and Wales. Land Agents' Soc. J. 52:11-17. Ref. Jan.1953. 282.9 L22

38811 LEWIS, W. A. Point Four—after four years: the land-poor farmer. Nation 176:98-100. Jan.31,1953. 280.8 N215

38812 LUCAS. Die erbfolge in einen gütergemeinschaftlichen hof in der Brit. Zone. Recht der Landwirt. 4:315-316. Dec.1952. 30.58 R24

38813 M'CHARDY, G. The city man and his farm in Ontario. Farming News & No. Brit. Agr. 104(53):10-11. Dec.1952. 10 N82

38814 MESCHINI, C. Reform in Maremma: the residential village of Rispecia. (In Italian.) Terra e Sole 124:409-410. Dec.1952. 16 T273

38815 MICHOT, P. Le remembrement et les modifications apportées au système de culture dans des villages de l'Est autrefois répartis en saisons. France. Min. de l'Agr. B. Tech. d'Inform. 75:791-793. Dec.1952. 14 F844B

38816 THE PEASANT and his land in China. Far East. Econ. Rev. 13:711-712. Dec.4,1952. 280.8 F223

38817 PENTEADO, M. C. The agrarian reform. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):44. Nov. 1952. 9.2 B733

38818 PLUYETTE, J. La réforme du statut du fermage et du métayage devant le Parlement. Agr. Prat. 116:541-545. Nov.1952. 14 J82
France.

38819 PRATELLI, G. Land re-arrangement, soil protection, agricultural hydraulics, within the international framework and within the present needs of agriculture. (In Italian.) Genio Rur. 15:167-181. Apr.1952. 281.8 R522

38820 RABAGLIETTI, M. F. Legal aspects of the land reform: expropriation law and model farms. (In Italian.) Genio Rur. 15:195-202. Apr.1952. 281.8 R522
Italy.

38821 RABAGLIETTI, M. F. Legal aspects of the land reform: further details on the concept of model farm. (In Italian.) Genio Rur. 15:697-700. Dec.1952. 281.8 R522
Italy.

38822 RAO, R. V. Land reforms in India. Output 6: 12,15. Aug./Oct.1952. 286.8 Ou8

38823 RÖTELMANN. Die verpflichtung der finanzämter zur amtshilfe (§ 18 LVO.). Recht der Landwirt. 4:313-314. Dec.1952. 30.58 R24
Legal aspects of German land inheritance.

38824 SALA ROCA, E. El corbo de rentas y el precio base del trigo. Inst. Agr. Catalán de San Isidro. Rev. 101:211-213. Sept.1952. 15 Sa5

38825 SCHMIDT. Zum gerechten pachtpreis. Landwirt. Z. der Nord-Rheinprov. 119:1339. Dec.6,1952. 18 L2344

38826 SELTEN, J. P. R. Revision of leasing terms. (In Dutch.) Boer en Tuinder 7(397):16. Jan.3,1953. 12 B632
Netherlands.

38827 SHEN, T. H. Free China is at work on land reform. Iowa Farm & Home Register, Jan.4,1953:23-H-24-H. 6 Io94

38828 SHULTIS, A. There's a lot to renting an orchard. West. Fruit Grower 7:25-26. Jan.1953. 95.8 G762

38829 SOCIEDADE RURAL BRASILEIRA. INSTITUTO DE ECONOMIA RURAL. On "directives for an agrarian reform" of the National Commission on Agricultural Policy approved by the President of the Republic. (In Portuguese.) Soc. Rur. Bras. Rev. 32(383):28-29. Dec. 1952. 9.2 B733

38830 TAYLOR, E. Random thoughts on farmer-sportsman relations. La. Conserv. 5(2):19-20. Oct. 1952. 279.8 L93

38831 TIMMONS, J. F. Improving farm rental arrangements in Iowa. Iowa. Agr. Expt. Sta. Res. B. 393: 55-139. Jan.1953. 100 Io9

38832 UBBINK, W. H. The annual hayfield leases, especially in the Culemborg district. (In Dutch.) Pacht 12:3-19. Jan.1952. 282.8 P11

38833 VAUCHER, G. Aperçu sur l'execution de la reforme agraire en Italie. Egypte Contemp. 43(270):67-96. Oct.1952. 270 Eg95

38834 VILLACORTA E., M. La reforma agraria y los precios agrícolas. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(10):44-47. Oct.1952. 8 G937M
Guatemala.

38835 WALLACE, J. J., and KUTISH, F. A. They gave the lease a human side. Successful Farming 51(2): 33,56-57. Feb.1953. 6 Su12

38836 WÖHRMANN. Die pachtrechtsstreitigkeiten in dem entwurf der bundes-LVO. Recht der Landwirt. 4:281-283. Nov.1952. 30.58 R24

Land Utilization

38837 AKSENENOK, G. A. Pravo sotsialisticheskogo zemlepol'zovaniia kolkhozov [Law of collective farm socialist land utilization]. Moskva, Akademiia Nauk SSSR, 1952. 61 p. 282.179 Ak7

38838 BANDINI, M., and LIPPI-BONCAMBI, C. Criteria for perfecting the cartographic representation of the agricultural economy on the topographic charts 25,000 and 5,000 of the I.G.M. [Istituto Geografico Militare]. (In Italian.) Genio Rur. 15:263-278. June 1952. 281.8 R522

38839 CHAPMAN, P. W. Land clearance and drainage can add "four new States" to the South by putting idle land to work. Prog. Farmer, Tex. Ed. 68(2):88,90-91. Feb.1953. 6 T311

38840 CURTIS, K. J. Town and country planning. Milk Indus. 33(7):41-44. Jan.1953. 44.8 M593
Great Britain.

38841 DARBY, B. T. A land use policy; we have only half an acre per head left to feed ourselves. Farmer & Stock-Breeder 67(3301):31,33. Jan.27,1953. 10 F228
Great Britain.

38842 EDELMAN, C. H. Report on a tour to Syria, Iraq and Pakistan in the spring of 1952. (In Dutch.) Landbk. Tijdschr. 64:407-414. June 1952. 105.2 Or3
Land utilization in Pakistan.

38843 EICHINGER, J. Die bodenbenutzungserhebung 1952; endgültige ergebnisse. Bayern in Zahlen 6:389-391. Nov.1952. 265 B34

38844 FENGER, P. Our responsibility. (In Danish.) Dansk Landbr. 72:47. Jan.22,1953. 280.28 V91
Land utilization.

38845 FRANCKE, A. Fehler und mängel beim grünlandumbruch zur ackernutzung. Deut. Landwirt.-Gesell. Mitt. 67:971-972. Dec.18,1952. 18 N39

38846 GOMES, P. A planet of poor land. (In Portuguese) Bras. Açucareiro 40:360-362. Sept.1952. 65.8 B73
Land utilization.

38847 HOFFMAN, L. T. Basic to resource management—surveys in Paraguay. Our Pub. Lands 3(1):6,13. Jan.1953. 156.55 Ou7

38848 HOLLAND, F. G. Public footpaths and bridleways. Country Landowner 3:197-200. Dec.1952. 10 C836
Great Britain.

38849 KRISHNASWAMY, V. S. A method to indicate the percentage of land which should be under forest. Indian Forester 78:537-539. Nov.1952. 99.8 In2

38850 LOWDERMILK, W. C. Other lands. Land 11: 299-308. (Cont.) Jan.1953. 279.8 L22
Land use in the Middle East.

38851 RHYS, J. P. Town and country planning amendments. Real Estate J. (n.s.)3:200-205. Jan.1953. 282.8 R22
Great Britain.

38852 SOLBERG, E. D. Roadside zoning. Highway Res. Bd. B. 55:49-56. Ref. 1952. 288.9 N2122
Rural zoning.

Land Values and Valuation

38853 ANTONIETTI, A. Aspects of appraisal methodology in North America. (In Italian.) Genio Rur. 15:152-166. Apr.1952. 281.8 R522

38854 BURSON, R. E. Problems of orchard assessment. Calif. Citrog. 38:120,136. Feb.1953. 80 C125

38855 CHINI, A. Amenity or new theoretical expressions in the appraisal field? (In Italian.) Genio Rur. 15: 203-212. Apr.1952. 281.8 R522

38856 COCCO, E. DI. Appraisals in the case of coownership of building. (In Italian.) Genio Rur. 15:283-298. June 1952. 281.8 R522

38857 DENMAN, D. R. Money for the land; history shows that the flow of capital from city to farms is no new thing, and points a lesson for the present day. Field 201:114-115. Jan.22,1953. 10 F45
Buying and financing estates in Great Britain.

38858 FORREST, G. Land for tree planting. Roy. Inst. Chartered Surveyors. J. 32:409-411. Dec.1952. 282.9 C38J
Acquisition in Scotland.

38859 LOUISIANA. DEPT. OF AGRICULTURE AND IMMIGRATION. IMMIGRATION DIV. List of Louisiana lands for sale. New Orleans,1952. 25 p. 2 L933

38860 MALACARNE, R. The measure of economic size as an object of appraisal. (In Italian.) Genio Rur. 15:279-282. June 1952. 281.8 R522
Includes land.

38861 NARDO, L. U. DE. Valuation of soils planted with trees in various cases of appraisal. (In Italian.) Genio Rur. 15:425-440. Aug.1952. 281.8 R522
Fruit or shade trees.

38862 ROTHKEGEL. Die landwirtschaftl. vorgebildeten angestellten in der finanzverwaltung; die lage der bodenschätzer vor und nach 1945. Diplomlandwirt 2:125-126. Dec.1952. 18 D62
Germany.

38863 SAJA, F. The appraisal of goods has a single object and admits but one measure. (In Italian.) Genio Rur. 15:406-424. Aug.1952. 281.8 R522
Market value; includes farms.

38864 SCHIMETSCHEK. Gehören wohnungseinrichtungs-gegenstände zum inventar einer landwirtschaftlichen liegenschaft? Landwirtschaft 1/2:10-11. Jan. 1953. 19 L235
In purchases in Austria.

38865 SILK, W. H. That elusive holding, how will the cost of smallholdings react to the derationing of feedstuffs? Poultry World 92:141. Feb.5,1953. 47.8 P8682
Purchasing and value.

38866 STRUNZ, H. Die ermittlung der einheitswerte. Landwirtschaft 1/2:4-7. Jan.1953. 19 L235
Austria.

POPULATION

38867 BAÑUELOS, M. Un serio problema. Ceres [Valladolid] 18(199):15,17. Jan.1,1953. 15 C33
Rural-urban migration in Spain.

38868 BERG, M. H. Wie schlagen sich die "ostelbier" durch? Übersicht 3(11):17-20. Nov.1952. 18 Ub3
Displaced persons in Germany.

38869 FELCOURT, E. DE. Migrations rurales dans l'Etat de Wisconsin (E.-U.) de 1940 à 1950. Acad. d'Agr. de France. Compt. Rend. 38:698-703. Nov.19/26,1952. 14 P215Bc

38870 GERMANY. (FEDERAL REPUBLIC 1949-) STATISTISCHES BUNDESAMT. Personalverhältnisse in den land- und forstwirtschaftlichen betrieben; ergebnisse der landwirtschaftlichen betriebszählung vom 22. mai 1949. Germany. Statis. Bundesamt. Statis. der Bundesrep. Deut. 23,413 p. Nov.1952. 265 G318

38871 GULICK, L. H. Rural occupance in Utuado and Jayuya municipios Puerto Rico. Chicago. U. Dept. Geog. Res. Paper 23,254 p. 1952. 281.2 G952
Thesis - University of Chicago.

38872 HERNÁNDEZ ROBREDO, L. Despoblación rural. Cult. Mod. 35:413-414. Nov.1952. 15 C89
Spain.

38873 LEBON, J. H. G. Old maps and rural change in Ayrshire. Scot. Geog. Mag. 68:104-109. Dec.1952. 472 Sco8
Population and land utilization.

38874 LEGENDRE, P. Résultats des migrations rurales en 1951. France. Min. de l'Agr. Rev. Inform. Juridique et Sociale 77:229-244. Dec.1952. 281.8 F84

38875 PLUYETTE, J. Les migrations intérieures. Agr. Prat. 116:593-596. Dec.1952. 14 J82
France.

38876 REMPT, J. D. In Australia, a reversal in the "flight from the land." (In Dutch.) Plattelands-Post 8(50):3. Dec.18,1952. 12 P69

38877 SWITZERLAND. STATISTISCHES AMT. Eidgenössische volkszählung. 1. Dezember 1950. Band 18. Kantone. Unterwalden ob dem wald und Unterwalden nid dem wald. Bern,1952. 190 p. 262 St2Q
Includes population engaged in agriculture.

38878 UNITED NATIONS. DEPT. OF ECONOMIC AFFAIRS. STATISTICAL OFF. Demographic yearbook, fourth issue, 1952. New York,1952. 518 p. 251 Un356
Includes rural population statistics.

RURAL SOCIAL ORGANIZATION

38879 APODACA, A. Corn and custom:the introduction of hybrid corn to Spanish American farmers in New Mexico. In Spicer, E. H., ed. Human problems in technological change, p.35-39. New York,Russell Sage Found.,1952. 280 Sp42

38880 ARTHUR, C. R. Interdenominational county rural life institutes in Virginia. Town & Country Church 86:12-13. Feb.1953. 281.28 T66

38881 BLACK, T. R. Urbanization brings social and economic changes to Davis County. Farm & Home Sci. [Utah Sta.] 13:90-91. Dec.1952. 100 Ut1F

38882 BLISS, W. L. In the wake of the wheel: introduction of the wagon to the Papago Indians of southern Arizona. In Spicer, E. H., ed. Human problems in technological change, p.23-33. New York,Russell Sage Found.,1952. 280 Sp42

38883 DOBYNS, H. F. Experiment in conservation: erosion control and forage production on the Papago Indian Reservations in Arizona. In Spicer, E. H., ed. Human problems in technological change, p.209-223. New York,Russell Sage Found.,1952. 280 Sp42

38884 DUARTE, F. E. Rural social service. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(7):52-59. (Cont.) July 1952. 9.2 M663

38885 GEREMIA, G. The problems of social welfare within the framework of the agrarian reform. (In Italian.) Agricoltura 1(11):26-28. Nov.1952. 16 Ag8226

38886 HANSEN, K. Will mechanization change farm society? (In Danish.) Dansk Landbr. 72:40-41. Jan.22, 1953. 280.28 V91

38887 HEILMANO, J. El Consejo de Bienestar Rural en Venezuela. Agr. Mod. [New Orleans] 6(4):12-14, 19. Nov.1952. 6 Ag8

38888 HOLMBERG, A. R. The wells that failed: an attempt to establish a stable water supply in the Viru Valley, Peru. In Spicer, E. H., ed. Human problems in technological change, p.113-126. New York,Russell Sage Found.,1952. 280 Sp42
Cultural.

38889 ISAKSEN, F. T. Rural sociology in the service of agricultural economy. (In Norwegian.) Nord. Lantbrekon. Tidskr. 2(4):9-12. 1952. 281.8 N75

38890 LANTIS, M. Eskimo herdsmen: introduction of reindeer herding to the natives of Alaska. In Spicer, E. H., ed. Human problems in technological change, p.127-148. New York,Russell Sage Found.,1952. 280 Sp42

38891 LIMA, A. DE M. Let us protect the destitute children. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(7):3-4. July 1952. 9.2 M663

38892 LÖHR, L. Staat und bergbauerntum; staatliche massnahmen zur besitzfestigung. Übersicht 3(11):10-15. Nov.1952. 18 Ü3
Improvement of living conditions in Germany.

38893 LOPEZ, J. V. La Casa del Campesino, obra trascendental. Agr. Venezol. 17(156):11-13. Oct.1952. 9.95 Ag8

38894 MACMILLAN, A., and LEIGHTON, A. H. People of the hinterland: community interrelations in a Maritime province of Canada. In Spicer, E. H., ed. Human problems in technological change, p.225-243. New York,Russell Sage Found.,1952. 280 Sp42

38895 MAGRIN, P. The human factor in reclamation. (In Italian.) Cassa per il Mezzogiorno. Not. 1(9): 25-28. Sept.1952. 280.8 N82

38896 MANDELBAUM, D. G. Technology, credit, and culture in an Indian village. Human Organ. 11(3):28. Fall 1952. 280.8 Ap5

38897 MORETTI CANEDO, M. El maiz figura desde antiguas épocas en el desarrollo de las civilizaciones peruanas. Mundo Agr. 4(43):40-41. Dec.1952. 9 M92

38898 OPLER, M. E. The Creek "town" and the problem of Creek Indian political reorganization. In Spicer, E. H., ed. Human problems in technological change, p.165-180. New York,Russell Sage Found.,1952. 280 Sp42

38899 PETERSON, E. T. Rhapsody in green. Land 11:255-262. Jan.1953. 279.8 L22
Rural life.

38900 PHILIPPONNEAU, M. Les caractères originaux de la vie rurale de banlieue. Ann. de Géog. 61: 200-211. May/June 1952. 473 An75
France.

38901 LE 1ER Congrès National de la Vie Rurale en Montagne. France. Min. de l'Agr. B. Tech. d'Inform. 74:721-746. Nov.1952. 14 F844B

38902 SASAKI, T., and ADAIR, J. New land to farm: agricultural practices among the Navaho Indians of New Mexico. In Spicer, E. H., ed. Human problems in technological change, p.97-111. New York,Russell Sage Found.,1952. 280 Sp42

38903 SHARP, L. Steel axes for stone age Australians. In Spicer, E. H., ed. Human problems in technological change,p.69-92. New York,Russell Sage Found., 1952. 280 Sp42

38904 SHERMAN, C. Interpreters of rural life. In Stefferud, R., ed. The wonderful world of books, p.103-106. Boston,Houghton Mifflin,1953. 145.5 St3

38905 SINGH, R. D. The village level: an introduction of green manuring in rural India. In Spicer, E. H., ed. Human problems in technological change, p.55-67. New York,Russell Sage Found.,1952. 280 Sp42

38906 SPICER, E. H., ed. Human problems in technological change; a casebook. New York,Russell Sage Found.,1952. 301 p. 280 Sp42
Culture.

38907 SPICER, E. H. Sheepmen and technicians: a program of soil conservation on the Navajo Indian Reservation. In his Human problems in technological change, p.185-207. New York,Russell Sage Found.,1952. 280 Sp42
With comment by J. Collier.

38908 STRACKE. Das land der kuh. Bauer 24(52): 2. 1952. 281.8 B323
Cattle in the culture of the Burundi.

38909 USEEM, J. Democracy in process: the development of democratic leadership in the Micronesian Islands. In Spicer, E. H., ed. Human problems in technological change, p.261-282. New York,Russell Sage Found.,1952. 280 Sp42

38910 USEEM, J. South Sea island strike: labor-management relations in the Caroline Islands, Micronesia. In Spicer, E. H., ed. Human problems in technological change, p.149-164. New York,Russell Sage Found., 1952. 280 Sp42
Cultural aspects.

38911 VANWAGENEN, J. Farm memories across the years. Metrop. Milk Prod. News 13:14-16. Jan.1953. 280.28 M56

Human Ecology

38912 AHMED, A. F. A proposed experiment in community change by the people of a selected Egyptian village. Mich. U. Diss. Abs. 12:860. 1952. 241.8 M58

38913 BONN. INSTITUT FUR RAUMFORSCHUNG. Second annual report 1951/52. Bad Godesberg,1952. 12 p. 280.9 B643JAe

38914 BONSER, H. J. Organized communities show improvement. Tenn. Agr. Expt. Sta. Prog. Rpt. 4:6-7. Oct./Dec.1952. 100 T25F

38915 BOUMAN, P. J. The conflict of opinions. (In Dutch.) Groninger Landbbl. 30(50):8-9. Dec.20,1952. 12 G892
Community classification.

38916 DITTRICH, E. Landesplanung, raumordnung und planwirtschaft. Inst. f. Raumforsch. Inform. 1/53: 1-6. Jan.8,1953. 280.9 B6431
Germany.

38917 DITTRICH, E. Raumordnung als wissenschaftliche aufgabe. Inst. f. Raumforsch. Inform. 43/44: 343-346. Nov.4,1952. 280.9 B6431
Germany.

38918 FRANÇOIS, J. Les comités d'étude et d'aménagement du territoire. Fiches Rur. 87:1-4. Jan. 1953. 281.8 F44
France.

38919 KRAGH. Landschaftspflege und -gestaltung in der bäuerlichen wirtschaft. Ausbild. u. Beratung in der Landw. 5:121-124. Ref. Oct.1952. 18 N11
Germany.

38920 MOGEY, J. M. Characteristics of the rural community in Northern Ireland. Brit. Agr. B. 5:279-282. Jan.1953. 10 B776

38921 POE, W. D. Rockingham—Tarheel "County of the Year." Prog. Farmer, Carolinas-Va. Ed. 68(2):22-23. Feb.1953. 6 P945

38922 PRATELLI, G. Coordination, planning, social aspects, of a program for the mountain and the soil. (In Italian.) Ricerca Sci. 22(4,sup.A):257-262. 1952. 475 It1
English summary.
Regional planning in Italy.

38923 SHAH, K. M. Community projects in Saurashtra. Indian Farming (n.s.)2(9):24-25. Dec.1952. 22 In283

Institutions

38924 AASMUNDSTAD, K. S. Has the American information service something that will suit us? (In Norwegian.) Buskap og Avdratt 4:39-42. 1952. 49 B96

38925 ADRIANO, C. How it is carried out. Philippine J. Home Econ. 4:8-9,28. July/Sept.1952. 321.8 P53
Extension work in the Philippines.

38926 AHLGREN, H. L. University resources must be directed toward greater service to agriculture. Pure Milk Prod. Press 17(6):20-21,26. Nov.1952. 280.28 P972
Education.

38927 ANADON, R. Hacia un nuevo ferial. Lérida Ganad. (ser.3)136:24-25. Feb.1952. 41.8 L56

38928 ASMIS. Deutsch-französische landwirtschaftliche ausstellung, ein vorschlag zur praktischen zusammenarbeit. Deut. Landwirt.-Gesell. Mitt. 67:987-988. Dec.25,1952. 18 N39

38929 AVANCE, B. D'. Landjügendberatungsdienst stellt aus. Ausbild. u. Beratung in der Landwirt. 5:137-138. Nov.1952. 18 N11
Germany.

38930 BELEZA, N. Rural primary education. (In Portuguese.) Agr. e Pecuaria 24(345):46-47. June 1952. 9.2 Ag89
Brazil.

38931 BERCAW, L. O. How the USDA Library can help you. In Stefferud, R., ed. The wonderful world of books, p 251-254. Boston,Houghton Mifflin,1953. 145.5 St3

38932 BEUGIN, P. Le role social de l'agriculteur. Cahiers des Ingen. Agron. 7(3):36-38. 1952. 14 C112

38933 BIEHLER, J. H. Die verwendung des rechenbuchs in der rechnerischen bildungsarbeit der landw. berufsschule. Ausbild. u. Beratung in der Landwirt. 5:82-84. 1952. 18 N11
Germany.

38934 BLIZZARD, S. The church in the rural-urban fringe. Town & Country Church 86:3-4. Feb.1953. 281.28 T66

38935 BOND, G. F. Bat Cave and its doctor. Rur. Lutheran 5:4,6. (Cont.) Sept.1952. 281.28 R886
North Carolina.

38936 BOUGEARD, A. Vers un statut de la formation professionnelle et ménagère agricole. Fiches Rur. 87:11-14. Jan.1953. 281.8 F44
France.

38937 BRIGHT, M. L., and HAY, D. G. Health resources and their use by rural people: Ulster County, N. Y. (Cornell) Agr. Expt. Sta. Dept. Rur. Sociol. Mimeog. B. 32,30 p. July 1952. 100 N48Cm

38938 BROHÉE, R. F. La formation professionnelle des jeunes agriculteurs en Turquie. Bruxelles,Commission Européenne de la Formation Professionelle des Jeunes,1952? 4 p. (Bureau Européen de la Jeunesse et de l'Enfance. Document) 275.1 B89
Library has also reports for Belgium, Norway, United Kingdom, Denmark, Luxembourg, Netherlands, and Europe.

38939 BRYANT, M. S. Current books that may help you on your job. Washington,U. S. Ext. Serv.,1952. 4 p. 1.913 A2C932

38940 BUESS, O. Die kleinbauernschulen Dänemarks. Schweiz. Landwirt. Monatsh. 30:369-372. Nov.20,1952. 17 Sch93

38941 CHAMBRE D'AGRICULTURE DE L'ILE MAURICE. Rapport du président sur l'exercice 1951/52. (Abridged.) Rev. Agr. de l'Ile Maurice 31:161-188. July/Aug.1952. 24 M44

38942 CHILANTI P. Increased family allowances for agricultural workers. (In Italian.) Previdenza Sociale nell'Agr. 3:223-226. Oct./Nov.1952. 281.8 P92
Italy.

38943 CLASSROOM farmers get dirty hands. Farm Mangt. 2(3):10-17. Feb.1953. 281.8 F2225
Training in farm work.

38944 COLLINGS, M. L. Signposts in agricultural extension education. Washington,U. S. Ext. Serv.,1953. 7 p. 1.913 S2C69
Talk at State Home Demonstration Leaders' Workshop, Stillwater, Jan. 28, 1953.

38945 CORRELL, C. M. 90 years of change in the aims of education. K-Stater 2(2):14-17. Dec.1952. 276.8 K11
Kansas State College.

38946 CRUYSBERGHS. Bauernvolk—kulturvolk. Bauer 25(2):4-6. Jan.11,1953. 281.8 B323
Belgium.

38947 CRUZ, V. L. DE LA. The joys of being only a farmer. Agr. & Indus. Life 14(12):22-23,47. Dec.1952. 25 Ag8
The Upi Agricultural School in the Philippines.

38948 CUMMINS, R. Larger parishes in rural Illinois. Town & Country Church 85:1-2. Jan.1953. 281.28 T66

38949 DEERING, F. J. Debates and taxes won't assure good health for your family. Farmer-Stockman 56:10-11,64,68. Jan.1953. 6 Ok45
Rural health needs and services.

38950 DEFRAIN, O. Rural schools—an unsuspected hazard to our children. Elect. Farmer 7(2):7,26. Feb.1953. 335.8 N27

38951 DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Delaware's home demonstration program serves you. Del. U. Agr. Ext. Folder 29,4 p. Apr.1952. 275.29 D37W

38952 DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Guide for officers of extension groups. Del. U. Agr. Ext. Mimeog. C. 77,12 p. Jan.1952. 275.29 D37M

38953 DELEULE, A. Organisation et fonctionnement du service cinématographique du Ministère de l'Agriculture. France. Min. de l'Agr. Rev. Etudes & Monog. 78: 255-264. Jan.1953. 281.8 F84

38954 DESSUS, G. Problèmes posés par l'industrialisation en montagne; ses répercussions sur la vie rurale. France. Min. de l'Agr. B. Tech. d'Inform. 74:723-725. Nov.1952. 14 F844B
France.

38955 DEWEZ. The organization of the Agricultural Information Service. (In Dutch.) Nieuwe Veldbode 19: 261-263. Dec.24/31,1952. 12 V542N

38956 DORING. Das anschauungsmaterial in der beratung. Ausbild. u. Beratung in der Landwirt. 5:139-141. Nov.1952. 18 N11
Germany.

38957 DUARTE, F. E. Agricultural extension in the United States. (In Portuguese.) Rev. Ceres 9(49):34-53. Ref. July 1951/Aug.1952. 9.2 C332

38958 EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. Report for the year ending 30th September 1951. Edinburgh,1951. 148 p. 103 Ed4Re

38959 EDINBURGH SCHOOL OF AGRICULTURE. Teaching unit: guide to field experiments, demonstrations and farm corps, Boghall Farm, Easter Howgate, Castlelaw and Fulford, Dryden Mains, Bush Home Farm. Edinburgh,1952. 92 p. 103 Ed4G

38960 EISENHOWER, M. S. U.S.D.A.college-farmer relationships. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:156-157. 1951. 4 As7

38961 FAMADOR, C. A. Agricultural teachers training center for Mindanao. Agr. & Indus. Life 14(12): 34,57. Dec.1952. 25 Ag8

38962 FIELDING, W. L. What Gwebi [College of Agriculture] means to Southern Rhodesia; college combines teaching, practice and research. Farmer's Wk. [Bloemfontein] 84:10-11,13. Dec.31,1952. 24 F225

38963 FORREST, A. J. Aumentan las industrias rurales británicas. Mundo Agr. 5(44):52. Jan.1953. 9 M92

38964 ERAHIER, A. L'alcoolisme a la campagne. II. L'attitude du chrétien rural en face de l'alcoolisme. Mon Village 98:12-13. Dec.1952. 14 M743
France.

38965 FRANCE. DIRECTION DE LA DOCUMENTATION. Les services consultatifs agricoles aux Etats-Unis. France. Dir. de la Doc. Notes et Etudes Doc. 1691,14 p. Dec.11,1952. 280.9 F843

38966 FRITZ. Die gehilfenfortbildung als vorbereitung zur meisterprüfung. Landwirt. Z. der Nord-Rheinprov. 120:33-34. Jan.10,1953. 18 L2344

38967 GARDNER, C. M. The Grange and its magazine Natl. Grange Mon. 50(2):6-7,21,26,31. Feb.1953. 6 N215

38968 GATHERON, J. M. Le cinéma et l'évolution du monde rural. France. Min. de l'Agr. Rev. Etudes & Monog. 78:245,247-253. Jan.1953. 281.8 F84

38969 GEERKENS. Unser berufsstand im laufe der jahrzehnte. Diplomlandwirt 2:126-127. Dec.1952. 18 D62
Germany.

38970 GMELIN, W. Das Badische Landwirtschafl. Wochenblatt als schrittmacher der kleintierzücht und -haltung. Bad. Landwirt. Wchnbl. 120:27-28. Jan.3,1953. 18 B142

38971 GONZALEZ PUCCINI, A., and others. Estudios sanitarios-sociales en un centro experimental rural; aspectos generales y encuesta alimentaria en Santa Teresa del Tuy. Arch. Venezol. de Nutr. 3:113-177. June 1952. 389.8 Ar22
V. M. Obregón, E. López V., M. Gonzáles S., P. Liendo Coll, and J. M. Bengoa, joint authors.
English summary.

38972 GRAFEN, F. Die didaktik in der landw. berufsschule. Ausbild. u. Beratung in der Landwirt. 5: 142,150-151. Nov.1952. 18 N11
Germany.

38973 GREEN, R. R. How will the farmer vote? U. S. A. 2(3):31-38. Sept.1953. 134.8 Un3

38974 GRIFFITH, O. Romance of Florida farming: a story of progress. Fla. Grower 61(2):15,23,28. Feb. 1953. 80 F6622
1953 Centennial year of University of Florida.

38975 HANNAH, J. A. The land grant colleges and universities at a turning point in history. Assoc. Land-Grant Col. & U. Proc. 65:87-91. 1951. 4 As7

38976 HANSEN, P., and LARSEN, J. B. Instruction and result. (In Danish.) Tidsskr. f. Landøkon. 1:44-51. Jan.1953. 11 T43
Advisory service.

38977 HARVEY, W. E. "County agent" in El Salvador. Foreign Agr. 17:16-18. Jan.1953. 1.9 Ec7For

38978 HAUCK, O. Die förderung des ackerbaues in der ersten hälfte des XIX. jahrhunderts im spiegel des Landwirtschaftlichen Wochenblattes. Bad. Landwirt. Wchnbl. 120:6-7. Jan.3,1953. 18 B142

38979 HAY, D. G., and BRIGHT, M. L. Health resources and their use by rural people in Clinton County, New York, 1951. N. Y. (Cornell) Agr. Expt. Sta. Dept. Rur. Sociol. Mimeog. B. 33,31 p. Aug.1952. 100 N48Cm

38980 HOMAN, J. Jakob Elema School at Assen officially opened. (In Dutch.) Drents Landbbl. 33(43):3. Oct.30,1952. 12 D812
Agricultural education.

38981 HOWARD, R. W. The threshold of an era. In Stefferud, R., ed. The wonderful world of books, p.106-109. Boston,Houghton Mifflin,1953. 145.5 St3
Reading for farmers.

38982 HUFNAGL, H. Berufsausbildung. Bauer 5(45):2-4. Dec.20,1952. 19 B32
Austria.

38983 HUMPHREYS, G. Health—what are Extension's responsibilities? (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:181-182. 1951. 4 As7

38984 HUMPHREYS, G. Your university comes to you. W. Va. Agr. Col. Ext. Good Living Ser. 20(1),6 p. n.d. 275.29 W522G
Agricultural extension work.

38985 JANÉR, C. O. American and Swedish agricultural press. (In Swedish.) Lantmannen 37:38-40. Jan. 10,1953. 11 L234

38986 JOHNSON, S. T. Education and agriculture. Agr. Merchant 32:263-264. Oct.1952. 10 Ag89
Agricultural education in Great Britain.

38987 JONES, A. R. K-State's needs as presented to the 1953 legislature. K-Stater 2(2):4-5. Dec.1952. 276.8 K11

38988 JONES, L. W. The South's Negro farm agent. Negro Educ. J. 22:38-45. Winter 1953. 276.8 J827

38989 JONES, T. The use of slides, charts and models as visual aids. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:303-304. 1951. 4 As7

38990 KEOWN, D. A pattern program for rural areas. Recreation 46:486-487. Jan.1953. 280.68 P69

38991 KIRCHER, W. Das haus in der sonne; aus dem leben einer kleinen dorfschule. Übersicht 3(11): 25-31. Nov.1952. 18 Ub3
Germany.

38992 KIRCHGÄSSNER, A. Ist die landwirtschaftsberatung auf dem richtigen weg? Bauern-Ztg. 6:6,16. Jan.9,1953. 18 B324
Germany.

38993 KOLT, W. Landjungendberatungsdienst—gedanken und erfahrungen. Ausbild. u. Beratung in der Landwirt. 5:74-76. 1952. 18 N11
Germany.

38994 KRISTIANSSON, S. Special education for Norwegian instructors at agricultural schools. (In Swedish.) Lantmannen 37:41-42. Jan.10,1953. 11 L234

38995 KUSS, H. Wirtschaftsberatung und tagespresse. Nachr. f. Beratung u. Ausbild. in der Landwirt. 5:156-158. Dec.1952. 18 N11
Germany.

38996 LANDWEHR. Der diplomlandwirt in den skandinavischen ländern und in England. Diplomlandwirt 3:1-2. Jan.1953. 18 D62

38997 LEIBFRIED, E. Das Badische Landwirtschaftliche Wochenblatt; 120 jahre im dienst der heimischen landwirtschaft. Bad. Landwirt. Wchnbl. 120:4-5. Jan.3, 1953. 18 B142

38998 MCCONNELL, C. M. All in one countryman's lifetime. Town & Country Church 86:9-10. Feb.1953. 281.28 T66
The rural church.

38999 MAIA, D. Agricultural extension service. (In Portuguese.) Rev. dos Mercados 3(26):23-24. Oct. 1952. 286.8 R328
Brazil.

39000 MAIER-BODE, F. W. Die landwirtschaftliche fakultät in Neapel. Diplomlandwirt 2:114-115. Nov. 1952. 18 D62

39001 MANRESA XAMENA, J. Cursillo de formación profesional del profesorado laboral. Balearic Isl. Diputación Prov. B. de Agr. 98:4-5. Nov.1952. 15 B19

39002 MATTHEWS, J. L. How to develop a program. Washington,U. S. Ext. Serv.,1952. 8 p. 1.913 S2M43
Talk at the Tennessee and Virginia Annual Extension Conferences, Aug. 27 and 28, 1952.

39003 MAYER, A. G. Rural youth programs of E.E.I. [Edison Electric Institute] Farm Section. Farm Electrif. 7:1. Jan./Feb.1953. 335.8 F224

39004 MEDINA, H. Diseases which incapitate the worker. (In Portuguese.) Granja [Porto Alegre] 8 (65/66):43-44. Aug./Sept.1952. 9.2 G76
Hydatidosis in Brazil.

39005 MIRA, A. E. Household industry. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 14:301-302. Sept.1952. 309.9 J96

39006 MOMBAERS. Die bauernfamilie, der kern einer gesunden, christlichen gemeinschaft. Bauer 25 (2):3-4. Jan.11,1953. 281.8 B323
Belgium.

39007 MONTALVAN, J. Problemas de saneamiento rural en el litoral ecuatoriano. Consorcio de Cent. Agr. de Manabi. Rev. 12(72):13-18. Oct./Dec.1952. 9.5 M31

39008 MOORE, W. B. Cotton industry and the South have special interest in Extension's golden anniversary. Cotton Gin & Oil Mill Press 54(4):9-10,54. Feb.14, 1953. 304.8 C822

39009 MORALES GORLERI, A. La Escuela Nacional de Agricultura de Casilda y su medio siglo de vida. Pampa Argentina 25(300):11. Dec.1952. 9 P19

39010 MOULIA, E. El gaucho. Pampa Argentina 25(259,i.e.299):3. Nov.1952. 9 P19

39011 MUELLER, E. W. The rural congregation and community health. Rur. Lutheran 5:1,7. Sept.1952. 281.28 R886

39012 MUSKETT, A. E. Agricultural education and research in Northern Ireland. Brit. Agr. B. 5:265-268. Jan.1953. 10 B776

39013 MYERS, W. I. Agriculture at Cornell, N. Y. Farmers. Proc. 1951/52:399-414. 1953. 4 N48P
Includes discussion.

39014 NORWAY. JORDBRUKETS PRODUKSJONS- OG RASJONALISERINGSKOMITE AV 1946. Innstilling VIII om yrkesopplaering for jordbrukarar og jordbruksarbeidarar og utdaning av laerarar og tenestemenn i jordbruket [Report VIII on the vocational education of farmers and farm laborers and education of agricultural teachers and officials]. Oslo,1952. 248 p. 11 N834

39015 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. 50 years' progress in Oklahoma agriculture; 1952 annual report. Stillwater, 1952? 21 p. 275.29 Ok41An

39016 ORDÓÑEZ, R. M. La historia de Juan Feliz y Pedro Triste. P. R. Agr. Col. Ext. Folleto Dsa-11,9 p. June 1952. 275.29 P96Fsa

39017 ORDÓÑEZ, R. M. Que hacer en caso de accidente. 5. Como dar respiración artificial. P. R. Agr. Col. Ext. C. 14E,5 p. July 1952. 275.29 P96Ci

39018 PALMER, E. L., and GORDON, E. L. Teachers' number Cornell Rural School Leaflet. N. Y. Agr. Col. Ext. Cornell Rur. School L. 46(1),64 p. Fall 1952. 275.29 N48R

39019 PARNAS, J. Medical institute for agricultural workers in Lublin. (In Czech.) Za Socialist. Zeměděl. 2:1322-1324. Nov.1952. 19.5 Z1

39020 PEINTNER, J. Neue wege der ländlichen berufsschule in Tirol. Salzburger Bauer 7(6):3. Feb.7, 1952. 19 Sa3

39021 PEREZ, G. S. Extension work in the Bureau of Public Schools. Philippine J. Home Econ. 4:10-11. July/Sept.1952. 321.8 P53
Philippines.

39022 PESETA, H. Der "uppig lebende" bauer ist krank. Burgenländische Bauernbündler 5(23):1-2. Dec. 10,1952. 19 B91

39023 PETIT-LAURENT, V. S. Quelles prestations familiales vous devez percevoir dans tous les cas. Foyer Rur. [Paris] 15(269,sup.),7 p. Dec.19,1952. 14 F83
France.

39024 PIKALO, A. Die stellung der frau im landwirtschaftsrecht und die gleichberechtigung von mann und frau. Recht der Landwirt. 4:309-311. Dec.1952. 30.58 R24
Germany.

39025 PRASSE, F. Unzureichende ergebnisse. Nachr. f. Beratung u. Ausbild. in der Landwirt. 5:157. Dec.1952. 18 N11
Germany.

39026 PRINGLE, H. S. Source material and extension methods. Washington,U. S. Ext. Serv.,1952. 5 p. 1.913 A2P936
Paper presented to the National Farm Electrification Conference, Oct. 21, 1952.

39027 RAY, P. K. Agricultural education and extension work in Western Germany. Agr. Econ. 2(11):9-11,24. Oct.1952. 281.8 Ag832

39028 REESE, M. J. A look at home demonstration work in the U. S. A., 1952. U. S. Ext. Serv. Ext. Serv. C. 483,24 p. Oct.1952. 1.9 Ex892Esc

39029 REICHARDT, F. Die landwirtschaftliche wirtschaftsberatung in England. Raiffeisen-Rundschau 5:4. Jan.1953. 284.28 R132

39030 RICHARDSON, H. V. The rural church of the Negro people in the South. Town & Country Church 86: 14. Feb.1953. 281.28 T66

39031 RÖHM, H. Die landwirtschaftliche berufsschule. Ausbild. u. Beratung in der Landw. 5:130-132. Oct.1952. 18 N11
Germany.

39032 ROUAH, S. De la nullité des contrats d'abonnement souscrits à des sociétés de contentieux. Rev. de Lég. Agr. 5:264-265. Dec.1952. 281.8 R325

39033 ROUVEROUX, P. Les Journées de la Productivité à Alger. Rev. Agr. de l'Afrique du Nord 50:844-847. Nov.28,1952. 80 R326

39034 RUHWANDL. Die kreisberatungsausschüsse und die landwirtschaftl. beratung. Landwirt. Wchnbl. 143: 134. Jan.31,1953. 18 L2338
Germany.

39035 RUNTY, F. J. Home extension clubs belong to the family; making farm living better. Nebr. Elect. Farmer 7:8. Jan.1953. 335.8 N27

39036 SAIA, F. The estimation of the "hereditary mass" in property divisions. (In Italian.) Genio Rur. 15:671-679. Dec.1952. 281.8 R522
Italy.

39037 SANDOE, M. W. Library on wheels. In Stefferud, R., ed. The wonderful world of books, p.285-288. Boston,Houghton Mifflin,1953. 145.5 St3

39038 SARLI TELECHEA, V. El hogar rural y la extensión agrícola. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(445):6. Dec.11,1952. 9.9 G15B

39039 SASSANI, A. H. K. Education in Turkey. J. S. Off. Educ. B. 10,96 p. Ref. 1952. 156.3 B87
Includes rural and agricultural education.

39040 SCHILDBERGER, K. Gütergemeinschaft und ehescheidung. Bauer 6(2):14-16. Jan.10,1953. 19 B32

39041 SCHILL, L. Bauer und volk! Landwirt 1953: 63-64. 18 L2342
Germany.

39042 SEABRA, A. N. Education in the Brazilian rural community. (In Portuguese.) Lavoura 56:23. Sept./Oct.1952. 9.2 L39

39043 SEBASTIANINI, A. J. The present legal status of the Chambers of Commerce, Industry, and Agriculture. (In Italian.) Riv. di Polit. Econ. (ser.3)42: 1072-1087. Sept.1952. 280.8 R52
Italy.

39044 SELZ, E. Psychologie und bäuerliche wirtschaftsberatung. Diplomlandwirt 2:127-128. Dec.1952. 18 D62
Germany.

39045 SILVEIRA, G. G. DA. Rural Weeks and the problems of the rural man. (In Portuguese.) Lavoura 56:26-27. Sept./Oct.1952. 9.2 L39
Brazil.

39046 SKELLEY, G. The bookmobile comes to town In Stefferud, R., ed. The wonderful world of books, p.289-292. Boston,Houghton Mifflin,1953. 145.5 St3

39047 SKRABANEK, R. L. Trends in rural education in Texas, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1513, 3 p. Dec.2,1952. 100 T31P

39048 SLATER, MRS. C. W. I belong to a discussion group. In Stefferud, R., ed. The wonderful world of books, p.119-122. Boston,Houghton Mifflin,1953. 145.5 St3
Reading.

39049 SNYDER, C. J. The town and country church and this convocation. Town & Country Church 86:5-6. Feb,1953. 281.28 T66

39050 SOUTH DAKOTA. STATE COLLEGE OF AGRICULTURE. EXTENSION SERV. My extension club and me. S. Dak. State Col. Agr. Ext. L. 144,8 p.-folder June 1952. 275.29 So85E

39051 STEFFERUD, A., ed. The wonderful world of books. Boston,Houghton Mifflin,1953. 319 p. 145.5 St3
Includes rural reading.

39052 THORP, G. H. Books in an agricultural course of a post-primary school. Rur. Educ. B. 7:142-146. Nov.1952. 109 C162

39053 THROM. Die landwirtschaftliche berufsschule. Landwirt. Z. der Nord-Rheinprov. 119:1363. Dec.13, 1952. 18 L2344

39054 TRAVIS, B. J. Rural americana: county fair. Harvester World 43(12):16-18. Dec.1952. 58.8 H26

39055 TUOHY, E. R. Radio extension work. Inst. Insp. Stock N. S. Wales. Ybk. 1952:91,96. 41.9 In73

39056 U. S. BUR. OF AGRICULTURAL ECONOMICS. Rural health; annotated list of selected references (preliminary), by H. L. Johnston, E. S. Manny, and W. Longmore. Washington,1952. 31 p. 1.941 R7R886

39057 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Land Grant College Association meets, by J. Murray, M. S. Eisenhower, J. A. Hannah, and others. Washington,Nov.15,1952. 2 p. 1.914 R2R11

39058 U. S. EXTENSION SERV. "Agricultural extension" special short course, 1952, by F. P. Frutchey and C. G. Gaylord. Washington,1952. 9 p. 1.913 S2Ag8

39059 U. S. EXTENSION SERV. Books on cooperative extension work, by A. G. Cowing. Washington,1952. 4 p. 1.913 S2B64

39060 U. S. EXTENSION SERV. The Division of Agricultural Economics: its functions, activities, and organization. Washington,1952. 4 p. 1.913 A5D64

39061 U. S. EXTENSION SERV. National inventory of extension methods of program determination. U. S. Ext. Serv. Ext. Serv. C. 477,13 p. Jan.1952. 1.9 Ex892Esc

39062 U. S. EXTENSION SERV. Report of cooperative extension work in agriculture and home economics, 1951/52. Washington,1953. 74 p. 1 Ex892R

39063 U. S. EXTENSION SERV. State extension specialists in health education. Washington,1952. 2 p. 1.913 N3St223

39064 U. S. EXTENSION SERV. State extension specialists in recreation. Washington,1952. 2 p. 1.913 R3St2

39065 U. S. EXTENSION SERV. State extension specialists in rural sociology and community development. Washington,1952. 2 p. 1.913 R2St2

39066 U. S. EXTENSION SERV. Suggested reading list for extension workers. Washington,1952. 10 p. 1.913 A2Su393

39067 VARONA, J. La técnica agropecuaria en las escuelas nacionales. Ceres [Valladolid] 18(199):45-46. Jan.1,1953. 15 C33

39068 WARD, W. B. Reporting agriculture through newspapers, magazines, radio, television. Ithaca,N. Y., Comstock,1952. 362 p. 238 W21R

39069 WIETING, C. M. A farmer looks at reading. In Stefferud, R., ed. The wonderful world of books, p.114-118. Boston,Houghton Mifflin,1953. 145.5 St3

39070 WILLIAMS, F. I. Agricultural education. Herefordshire Agr. J. 12:279,281. Spring 1952. 10 H42

39071 WILLIAMSON, R. L. Common concerns and the cooperative approach. Town & Country Church 86:1-2. Feb.1953. 281.28 T66
Religion in rural life.

39072 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Agricultural extension in Wisconsin, report for 1951. Wis. Agr. Col. Ext. C. 433,39 p. Aug.1952. 275.29 W75C

39073 WISER, W. H. India Village Service. Town & Country Church 85:5-6. Jan.1953. 281.28 T66
Instruction in farming methods.

39074 WOODWARD, C. R. Hit's got to larn. In Stefferud, R., ed. The wonderful world of books, p.109-114. Boston,Houghton Mifflin,1953. 145.5 St3
Reading in rural life.

39075 WOLF, E. Sind wir mit der praktischen ausbildung des nachwuchses auf dem richtigen weg? Deut. Landwirt.-Gesell. Mitt. 68:25-26. Jan.8,1953. 18 N39

39076 ZIMMERMANN, H. Familienrecht im bauernhof. Landwirt 1953:73-74. 18 L2342
Germany.

Rural Organizations and Movements

39077 ABBING, C. I. Cooperation and the village community. (In Dutch.) (Sum.) Friesch Landbbl. 49: 734. Dec.5,1952. 12 F91

39078 ADAIME, J. F. It is not enough to organize a cooperative. (In Portuguese.) Divulg. Coop. 37:7. Nov. 1952. 280.28 R47

39079 ALBERTA FEDERATION OF AGRICULTURE. Directors' reports and financial statement, held in Masonic Temple, Edmonton, December 17th, 18th and 19th, 1952. Alberta,1952. 23 p. 7 AL17M

39080 ALLGEMEINER VERBAND FUR DAS LANDWIRTSCHAFTLICHE GENOSSENSCHAFTSWESEN IN OSTERREICH. Bericht über die tätigkeit im jahre 1951. Wien,1952. 99 p. 280.29 AL53

39081 ASOCIACIÓN DE COOPERATIVAS ARGENTINAS. Memorias y balance general correspondiente al vigesimo octavo ejercicio 1951—1952. Buenos Aires, 1952. 90 p. 280.29 As5

39082 ATASAGUN, Y. S. La situation générale de nos coopératives agricoles de crédits à la fin de l'année 1951. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankasi. Uç Ayda Bir Çikar 25/26:3-14. Jan./June 1952. 280.9 T842

39083 BOERENBOND BELGE. Rapport sur l'exercice 1951. Louvain,1952. 164 p. 13 B63

39084 BOGARDUS, E. S. The Antigonish Movement. Sociol. & Social Res. 37:189-195. Jan./Feb.1953. 280.8 So15

39085 BOMBAY. BUR. OF ECONOMICS AND STATISTICS. Digest of State statistics. Bombay. Bur. Econ. & Statis. B. 5(4):18-61. Apr.1952. 269.54 Ec7
Cooperatives.

39086 BRODHAAG, M. H. Farm organizations in Indonesia. (In Dutch.) Landbouwwereldnieuws 7:757-759. Nov.22,1952. 12 L237

39087 CAMPEN, P. C. M. VAN. Function and importance of agricultural cooperation in our times. (In Dutch.) Boer en Tuinder 6(305):3. Dec.13,1952. 12 B632

39088 CAMPOS, P. Agricultural cooperative of Cotia, a model organization in Brazil. (In Portuguese.) Fazenda 48:32-33,50. Jan.1953. 6 H11P

39089 CLEMENT, M. Notes sur trois problèmes de coopération. Terre de Chez Nous 24(47):5,8. Jan.14,1953. 7 T27

39090 COFFEY, H. O. Future Farmers of America reach silver anniversary. Prog. Farmer, Tex. Ed. 68(2): 66. Feb.1953. 6 T311

39091 COOPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE. Annual report for the fiscal year ending June 30, 1952. Ithaca,1952. 32 p. 280.29 C7823P

39092 CUSTOT, F. Un laboratoire! Pourquoi faire? Coopération 22:17-21. Nov.1952. 280.28 C7845
Research and analysis of products by cooperatives.

39093 DEAMBROSIS, J. R. Los [4-H] Clubes de jóvenes rurales. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(445):3. Dec.11,1952. 9.9 G15B

39094 DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. We're joining a 4-H Club. Del. U. Agr. Ext. Folder 28,4 p. Apr.1952. 275.29 D37W

39095 FRIESCHE MAATSCHAPPIJ VAN LANDBOUW. General assembly held Nov. 27, 1952 in Leeuwarden. (In Dutch.) Friesch Landbbl. 49:716-717. Nov.28,1952. 12 F91

39096 FRIETEMA, H. J. Les taches des coopératives agricoles. Inform. Marocaine 626:1,4. Jan.10, 1953. 281.8 In3

39097 FRUEHLING, R. The biggest Brotherhood 4-H Fair in the world. Rur. Lutheran 5(3):3,7. Nov. 1952. 281.28 R886

39098 FUENTES, C. Las cooperativas del campo en Vizcaya. Cooperación [Madrid] 128:4-5. Oct.1952. 280.28 C7875

39099 GOLD COAST DEPT. OF CO-OPERATION. Report for the year 1950-51. London,1952. 21 p. 280.29 G56

39100 HULST, H. A. M. VAN. Europe and cooperation. (In Dutch.) Co-op [Rotterdam] 7:277-279. Dec. 1952. 280.28 C7857

39101 KANSAS STATE GRANGE. Proceedings, eightieth annual session, Chanute, Kansas October 16, 17, 18, 1951. n.p.,1952. 67 p. 4 K13

39102 KENNING, A. W. Cooperativas agrícolas. Bolivia. Serv. Agr. Interamer. Div. de Ext. Agr. C. de Ext. 6,5 p. 1952. 275.249 B63

39103 LAUFER, O. Aus der chronik der badischen landwirtschaftlichen berufsgenossenschaft. Bad. Landwirt. Wchnbl. 120:19. Jan.3,1953. 18 B142

39104 LOUWES, H. D. Cooperation gives farmer and gardener rest and security in this complicated world. (In Dutch.) Cent. Bur. Meded. 36:129-131. Nov.1952. 12 N287

39105 LUZ, F. Additional material for the history of the cooperative movement—a legitimate pioneer—wheat culture. (In Portuguese.) Divulg. Coop. 37:2-5. Nov.1952. 280.28 R47
Brazil.

39106 LUZ, F. Cooperativismo, colonização, crédito agricola [Cooperation, settlement, agricultural credit]. Rio de Janeiro,Serviço de Economia Rural,1952. 320 p. 280.2 L97Co

39107 LUZ, F. The 30th International Cooperation Day. (In Portuguese.) Coop. Cent. dos Prod. de Leite B. da C.C.P.L. 5:327. Nov.1952. 44.8 B634

39108 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. CO-OPERATIVE SERV. BR. Co-operation in Manitoba. Manitoba,1952. 13 p. 280.29 M31

39109 MICHIGAN ASSOCIATION OF FARMER COOPERATIVES. Annual report for the fiscal year ending August 31, 1952. 1952. 29 p. 280.29 M582A

39110 MIDDELWEERD, H. A. C. National Study Days of the Catholic Netherlands Young Farmers and Gardeners Society. (In Dutch.) Boer en Tuinder 7(307):6. Jan. 3,1953. 12 B632

39111 MORTON, J. L. Past points ways to future service. Minn. Farm Bur. News 32(4):3. Dec.1952. 275.293 M662
Minnesota Farm Bureau Federation.

39112 NATARAJAN, B. Rural co-operation abroad—some lessons for India. Madras J. Co-op. 43:586-591. May 1952. 280.28 M26

39113 NEW YORK FARMERS. Proceedings, season 1951-1952. New York,1953. p.364-420. 4 N48P

39114 O'NEILL, T. F. Co-ops need sound financing. GTA Digest 13:34-38. Jan.1953. 280.28 G11

39115 ORO, G. DELL'. Rural cooperative artisanate. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 7(21):1-3. Nov.1,1952. 287 V662
Italy.

39116 PHILLIPS, R. Economic nature of the cooperative association. J. Farm Econ. 35:74-87. Feb. 1953. 280.8 J822

39117 PLANTERS' ASSOCIATION OF CEYLON. Year book for the year ended April, 1952. Colombo, 1952. various pagings. 22 C33P

39118 PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. A usted le conviene una cooperativa en su taller. P. R. Agr. Col. Ext. Folleto 13,rev.,6 p. Aug.1952. 275.29 P962F

39119 PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Cooperativas industriales. P. R. Agr. Col. Ext. C. 3,4 p. Jan.1952. 275.29 P96Ci

39120 REBIFFÉ, J. La coopération agricole en Suède. Défense Agr. de la Beauce et du Perche 49:481. Dec.6,1952. 14 D36

39121 REBIFFÉ, J. Les coopératives agricoles et le projet de réforme fiscale. Défense Agr. de la Beauce et du Perche 49:473. Nov.29,1952. 14 D36

39122 REHANN, M. La comptabilité dans les sociétés coopératives agricoles. Inst. Prov. de Coop. Agr. B. 11:35-37. Nov.1952. 280.29 L62

39123 REIS, B. DOS. Cooperative policy. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 5:309-310. Oct.1952. 44.8 B634
Brazil.

39124 RHODESIA NATIONAL FARMERS' UNION ANNUAL CONGRESS, 9, SALISBURY, 1952. Report of proceedings. Rhodesian Farmer, 1952(annu.cong. no.), 39 p. 24 R347

39125 RIEDERER, L. Das landwirtschaftliche genossenschaftswesen in Bayern und seine weiteren entwicklungsmöglichkeiten. (Abs.) Ausbild. u. Beratung in der Landwirt. 5:149. Nov.1952. 18 N11

39126 ROYAL AGRICULTURAL SOCIETY OF ENGLAND. Report of the council to the annual general meeting of governors and members of the society, 1952. London,1952. 23 p. 10 R81R

39127 SASKATCHEWAN. DEPT. OF CO-OPERATION AND CO-OPERATIVE DEVELOPMENT. Annual report March 31, 1952, co-operative extension services. Regina,1952. 26 p. 280.29 Sa74A

39128 SCHOBEL, A. Genossenschaftliche ismen. Landwirtschaft 1/2:9-10. Jan.1953. 19 L235

39129 SCHOBEL, A. Genossenschaftliche tatsachen. Landwirtschaft 23/24:353-354. Dec.1952. 19 L235
Austria.

39130 SCHUMAIER, C. P., and MUTTI, R. J. Ownership and distribution of capital reserves in a cooperative. Ill. Farm Econ. 208/209:1413-1419. 275.28 IL5

39131 SEIFER, A. Das genossenschaftswesen gestern und heute. Landwirt 1953:81. 18 L2342
Germany.

39132 SEIFER, A. Das ländliche genossenschaftswesen in Baden einst und jetzt. Bad. Landwirt. Wchnbl. 120:26-27. Jan.3,1953. 18 B142

39133 SILCOX, C. N. Financing farmer-owned business. G.L.F. Week 17(29):6-7. Jan.1953. 280.28 G113W
Cooperative G.L.F. Exchange.

39134 SIRVENT, H. Les coopérateurs. Bouches du Rhone Agr. 24(1086):1-2. Nov.15,1952. 14 B662

39135 SVÄRDSTRÖM, K. F. Swedish farm cooperation—general observations on the present and the future. (In Swedish.) Nord. Lantbrekon. Tidskr. 2(4):1-8. 1952. 281.8 N75

39136 SYLVESTRE, I. La Gaspésie avant et depuis les coopératives. 3. Ensemble 13(9):14-22. Nov.1952. 280.28 En7
Includes agricultural cooperatives.

39137 SYLVESTRE, I. La Gaspésie avant et depuis les coopératives. 4. Ensemble 13(10):18-28. Dec.1952. 280.28 En7
Includes agricultural cooperatives.

39138 TANNER, H. La loi pour l'agriculture a besoin d'un contrepoids, et ce contrepoids ne peut être qu'un renforcement de l'organisation paysanne. I-II. J. d'Agr. Suisse 74(21):1; (22):2. May 24-31,1952. 17 J82

39139 UGANDA. DEPT. OF CO-OPERATIVE DEVELOPMENT. Annual report for the year ended 31st December, 1951. Entebbe,1952. 23 p. 280.29 Ug1

39140 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A tribute to Miss Gertrude Warren, by P. V. Kepner, G. L. Warren, and K. M. Gapen. Washington,Dec.13,1952. 2 p. 1.914 R2R11
4-H Club work.

39141 WESTERN FARM ECONOMICS ASSOCIATION. Proceedings, twenty-fifth annual meeting, July 23-25, 1952, Flagstaff, Arizona. n.p.,1952. 109 p. 280.9 W527P

39142 WITHERSPOON, L. T., and MUTTI, R. J. The revolving method of financing cooperatives. Ill. Farm Econ. 208/209:1409-1413. Oct./Nov.1952. 275.28 IL5

39143 ZACHRISON, S. Agricultural societies—the past and the future. (In Swedish.) Lantbrtidskr. f. Stockholms Län och Stad 2(4):14-18. 1952. 12 L29

RURAL SOCIAL PSYCHOLOGY

39144 FERNANDES, J. S. Toward the formation of rural attitudes. (In Portuguese.) Chacaras e Quintais 86: 788-789. Dec.15,1952. 9.2 C34
Through schools in Brazil.

39145 MORILLO, M. El intelecto lamentable de muchos propietarios rústicos. Ceres [Valladolid] 18 (199):29,31. Jan.1,1953. 15 C33

39146 NATIONAL FARM RADIO FORUM. Full understanding between farm and city: how? Farm Forum Guide 10(10),4 p. Feb.2,1953. 281.8 F2272
Canada.

39147 RAE, R. The farmer's attitude to new methods. Brit. Agr. B. 5:282-287. Jan.1953. 10 B776

39148 SPICER, E. H. Reluctant cotton-pickers:incentive to work in a Japanese relocation center. In his Human problems in technological change, p.41-54. New York,Russell Sage Found.,1952. 280 Sp42

39149 SPICER, E. H. Resistance to freedom:resettlement from the Japanese relocation centers during World War II. In his Human problems in technological change, p.245-260. New York,Russell Sage Found.,1952. 280 Sp42

TRADE, FOREIGN AND INTERNATIONAL

39150 ADAMS, P. DE O Coffee and exchange. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):35-43. Nov. 1952 9.2 B733

39151 ATCHLEY, F. Trade, not aid Europe says. IAA Rec. 31(2):5-7. Feb.1953. 6 IL62

39152 BEHNKE, H. Swine production 1952. (In Danish.) Andelsbladet 54:11-13. Jan.1,1953. 280.28 An2
Bacon export and prices.

39153 BLINK, N. H. Outlook for feed imports. (In Dutch.) Landbode 6(50):27-28. Dec.20,1952. 12 L234
Netherlands.

39154 BOCCHI, G. La importatión de frutos cítricos españoles en Alemania occidental y el sistema de liberalización. Obst u. Gemüse 4:1254,1256. Dec.8,1952. 286.83 Ob72

39155 BOERSMA, T. International seed trade. Zaadbelangen Oct.1952:15-17. 61.8 Z1

39156 BOUDEWIJN, C. Culture at a moderate return or at a loss? V. (In Dutch.) Fruitteelt 42:867-868. Nov. 27,1952. 86 N28
Fruit trade.

39157 BRAZIL. SERV. DE ESTATÍSTICA ECÔNOMICA E FINANCEIRA. Comércio exterior do Brasil com a Italia [Foreign trade of Brazil with Italy], 1949-1950. Rio de Janeiro,1952. 12 p. 255.3 Es84Ci

39158 BREMEN. HANDELSKAMMER. Bericht über das jahr 1952. Bonn,1952. 168 p. 287 B753
Includes report of trade in agricultural products and the situation in the agricultural products industries.

39159 BRUUN, H. Export of Jersey cattle to Sweden. (In Danish.) Jerseybladet 46:114-115. Dec.1952. 43.8 J485

39160 CAMARA OFICIAL SINDICAL AGRARIA DE BARCELONA. Segunda campaña de exportación de lechuga "trocadero." Cám. Ofic. Sind. Agr. de Barcelona. P. Divulg. 11,40 p. 1951. 15 C14P

39161 CAMERON, W. C. Exports important in stabilization of Canadian dairy economy. Canad. Dairy & Ice Cream J. 32:27-29. Jan.1953. 44.8 C162

39162 CANADA. BUR. OF STATISTICS. Trade of Canada year ended December 31, 1951. Volume III—imports. Ottawa,1953. 408 p. 253 C332A

39163 CONSTANDSE. Seed and export. (In Dutch.) Nieuwe Veldbode 19:356-357. Jan.29,1953. 12 V542N

39164 CUBA. DIRECCIÓN GENERAL DE ESTADISTICA. Comercio exterior 1950-1951. Habana,1952. 577 p. 254.8 C893
Includes agricultural products.

39165 CVETKOVIĆ, M. Our export of feathered animals and foreign markets. (In Serbo-Croatian.) Stočarstvo 6:381-383. Aug.1952. 43.8 St6
Yugoslavia.

39166 DAMM, E. Munich: mercado abierto a la exportación de frutos españoles. Obst u. Gemüse 4:1248-1249. Dec.8,1952. 286.83 Ob72

39167 DASSLER, E. Perspectives sur la prochaine campagne d'oranges. Obst u. Gemüse 4:1312-1314. Dec.8,1952. 286.83 Ob72
German trade.

39168 DIJKSTRA, J. M. Export of livestock in 1951. (In Dutch.) Friesch Landbbl. 49:697. Nov.21,1952. 12 F91

39169 DREW, F. Dried fruit exports may find open door in U.K. West. Canner & Packer 45(2):55. Feb. 1953. 286.83 W522

39170 EAST AFRICAN CUSTOMS AND EXCISE DEPT. Annual trade report of Kenya, Uganda and Tanganyika for the year ended 31st December, 1951. Nairobi,1952. 403 p. 270 K423

39171 EASTWOOD, T. Some aspects of the long-term contract. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 1(8):8-13. Dec.1952. 251 F73Mb
International commodity agreements.

39172 EMMENTAL A.-G. EXPORTGESELLSCHAFT FUR SCHWEIZERKÄSE, ZOLLIKOFEN-BERN. VERWALTUNGSRAT. Bericht über das geschäftsjahr 1951/52. Brugg,1952. 22 p. 44.9 Em6
Library has also report in French, 23 p. 44.9 Em6R

39173 ERIKSSON, B. Is USA's mink production in danger? (In Swedish.) Våra Pälsdjur 23:311-313. Dec.1, 1952. 410 V42
Chiefly on trade.

39174 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. ECONOMICS DIV. Grain exports by source and destination, July 1951-June 1952. 1952. 24 p. 286.3599 F732

39175 FRANKE, J. A. P. Aspects of agricultural imports and exports. (In Dutch.) Zeeuwsch Landbbl. 41 (2152):10. Dec.24,1952. 12 Z2

39176 GÁMIR, C. El comercio hispano-alemán de frutas y verduras. Obst u. Gemüse 4:1223. Dec.8,1952. 286.83 Ob72

39177 GIAMPIERI, V. Movement of foreign grain imports and various food products arriving in the port of Ancona from 1946 to 1951. (In Italian.) Cam. di Com. Indus. e Agr. di Ancona. B. Econ. 6(10):1-9. Oct.1952. 280.9 An2

39178 GT. BRIT. CUSTOMS AND EXCISE DEPT. Forty-third report for the year ended 31st March, 1952. London,1953. 179 p. (Cmd.8727) 256.03 C96

39179 HECKMAN, J. H. Trade with Canadian cooperatives. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 71,20 p. Jan.1953. 1.943 F763

39180 HEILMAIER, M. Bulgarische traubenimporte. Obst u. Gemüse 4:1184-1185. Nov.27,1952. 286.83 Ob72
Germany.

39181 HEILMAIER, M. Das risiko der warenübernahme im einfuhrversandhandel. Obst u. Gemüse 4:1325. Dec.21,1952. 286.83 Ob72
Fruit and vegetables in Germany.

39182 JAGGI, E. Die schweizerische landwirtschaft und die bestrebungen für eine engere wirtschaftliche zusammenarbeit in Europa. Schweiz. Landwirt. Monatsh. 12:405-423. Dec.20,1952. 17 Sch93
Trade policy.

39183 JENSEN, T. S. Export of cattle and meat in 1952. (In Danish.) Andelsbladet 54:13. Jan.1,1953. 280.28 An2
Denmark.

39184 JHAVERI, C. C. Export of cotton textiles. Output 6:20-22. Aug./Oct.1952. 286.8 Ou8
India.

39185 JONES, J. M. Parity tariff would protect the price of wool. West. Farm Life 55(2):7,18. Jan.15,1953. 6 R153

39186 KLÖTSCHER, T. Sicherung der existenz des obstbaues. Obst u. Gemüse 4:1183-1184. Nov.27,1952. 286.83 Ob72
German-Italian trade agreement.

39187 KNUDSEN, A. F. The international wheat market and USA. (In Danish.) Denmark. Landbrraadet. Meddel. 41:723-725. Oct.9,1952. 11 D415L

39188 KOCH, E. Perspectivas españolas. Obst u. Gemüse.4:1226-1228. Dec.8,1952. 286.83 Ob72
Fruit trade.

39189 LUSCHOW, H. Die deutsche eier-einfuhr im jahre 1952. Eier-, Wild-, Geflugel- u. Honig-Markt 4 (140):1-2. Nov.26,1952. 280.38 E13

39190 LUSIARDO, M. J. Relaciones existentes entre la exportación y el abasto. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(441):5; (442):8-10; (443):7. Nov.13-27, 1952. 9.9 G15B
Meat.

39191 MACHADO, A. DE O. Exchange policy most suited to agriculture and the collective interest. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):66. Nov.1952. 9.2 B733

39192 MARSHALL, D. A. B. Decontrolling the grain trade. Foreign Trade 13(321):12-14. Feb.21,1953. 286.8 C162
Great Britain.

39193 MEDINA VIRGILI, E. Urge conceder derechos garantidos a las exportaciones. Semana Vitivinic. 7(335/336):65-67. Nov.29/Dec.6,1952. 95.8 Se5

39194 MEXICO. DIRECCIÓN GENERAL DE ESTADÍSTICA. Anuario estadístico del comercio exterior de los Estados Unidos Mexicanos 1951. n.p.,1952. 664 p. 254.5 H11C
Includes agricultural products.

39195 MORELL, B. M. All prospects currently point towards an improved market for Island's leaf. Tobacco [New York] 135(26):11,36. Dec.25,1952. 286.89 T552
Puerto Rico.

39196 MÜLLER, O. Die aussichten für den käseexport nach America. Schweiz. Milchztg. 79:25-26. Jan. 16,1953. 44.8 Sch92

39197 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. Statistiek van de in-, uit- en doorvoer van Nederland 1951 [Statistics of domestic, foreign and cross-country trade of the Netherlands, 1951]. Utrecht,1952. 128 p. 259 St2J
Includes agricultural products.

39198 NIELSEN, P. Sale of agricultural products through the export committees. (In Danish.) Jydsk Landbr. 34:886-889. Dec.18,1952. 11 J99

39199 PALMER, W. R. Importation of cotton into the United Kingdom. Egypt. Cotton Gaz. 17:15-17, Sept. 1952. 72.8 Eg9

39200 PLATE, E. Hamburg und die spanischen sudfrüchte. Obst u. Gemüse 4:1252. Dec.8,1952. 286.83 Ob72

39201 QUINTUS, P. E. Europeans look at American soybeans. Washington,U. S. Off. Foreign Agr. Relat.,1952. 6 p. 1.949 Q4
Summary of remarks at annual convention of the American Soybean Association, Lafayette, Ind., Sept. 9, 1952.

39202 REBIFFÉ, H. Les marchés agricoles européens au Conseil Economique. Défense Agr. de la Beauce et du Perche 49:474. Nov.29,1952. 14 D36

39203 RENWICK, R. F. The silk trade revives. Foreign Trade 13(317):2-4. Jan.24,1953. 286.8 C162
Japan.

39204 RIVEROS, J. E. La exportación de vino al extranjero. Vinos Viñas y Frutas 48:231-233. Nov.1952. 9 Ag89
Argentina.

39205 RUBIÃO, J. The exchange problem. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):62-63. Nov.1952. 9.2 B733

39206 RUI, D. Export and disinfestation of horticultural products. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 36:245-246. Sept./Oct.1952. 86 R22

39207 SALA ROCA, E. Incremento de las exportaciones agrícolas. Cult. Mod. 35:408-409. Nov.1952. 15 C89
Spain.

39208 SCHMIDT, A. Uber die tätigkeit der Amtlichen Spanischen Handelskammer fur Deutschland. Obst u. Gemüse 4:1244-1245. Dec.8,1952. 286.83 Ob72

39209 SCHÖTTLER, B. La importancia del convenio comercial hispano-alemán para la economía de horticultura. Obstu. Gemüse 4:1234,1236. Dec.8,1952. 286.83 Ob72

39210 SINDICATO NACIONAL DE FRUTOS Y PRODUCTOS HORTICOLAS. El nuevo acuerdo comercial hispano-alemán. Obst u. Gemüse 4:1231. Dec.8,1952. 286.83 Ob72

39211 SPAIN. DIRECCION GENERAL DE ADUANAS. Estadística del comercio exterior de España 1951. Madrid,1952. 829 p. 263 C76E
Includes trade in agricultural products.

39212 STEIN, E. Der bierexport im jahre 1951. (die amtlichen ziffern der Bundesrepublik für den aussenhandel mit bier, hopfen und malz.). Brauwelt 51: 1248-1250. Dec.18,1952. 390.8 B732

39213 STEIN, E. Sämereien und saaten im aussenhandel der Schweiz 1951, Saatgut-Wirt. 4:286-287. Dec.1952. 61.8 Sa1

39214 STIRTON, T. Free trade and the wheat surplus of the old Northwest, 1839-46. Chicago,1952. 153 p. 286.359 St5
Thesis (M.A.) - University of Chicago.

39215 STRAZZA, E. European share in the world trade in cotton textiles. Mon. Rpt. Jap. Cotton Spinning Indus. 73:21-28. Jan.1953. 304.9 J27M

39216 TELLES, A DE Q. The exchange problem. (In Portuguese.) Soc. Rur. Bras. Rev. 32(383):52. Dec. 1952. 9.2 B733

39217 TELLES, M. R. Study of exchange systems. III-IV. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):15; (383):13. Nov.-Dec.1952. 9.2 B733

39218 TORRES, J. DI P. Exporting corn through the port of Santos. (In Portuguese.) Lav. e Criação 7(42):10. Sept.1952. 49 L392

39219 TROOST, R., and MEER, H. E. V. D. International conditions of sale. Zaadbelangen Oct.1952:17-18. 61.8 Z1

39220 VAN VLIET, W. The trade in agricultural commodities. Foreign Trade 13(321):17-20. Feb.21, 1953. 286.8 C162
Germany.

39221 VILA, A. C. El por que de las altas tarifas del azúcar cubano. Tierra Libre 16(11):1. Nov.1952. 8 T443

39222 WINDEL, D. The raw cotton and cotton textile situation in the United Kingdom. Egypt. Cotton Gaz. 17: 29-33. Sept.1952. 72.8 Eg9

39223 YOUNG, W. Cómo se efectúa la exportación de animales británicos de pedigree a la América Latina. Res 21:27674-27676. Jan.5,1953. 286.85 R31

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

39224 AUERSWALD, W. Der nährstoffbedarf des menschen. (Sum.) L u. E 5(11):12. Nov.1952. 389.8 Z34

39225 BARBOSA, J. J. Le role du SAPS [Serviço de Alimentação da Previdência Social] dans la dietétique bresilienne. Voeding 13:728-733. Dec.15,1952. 389.8 V85

39226 BAXTER, D. M. What should Tommy eat? Canad. J. Pub. Health 43:509-515. Dec.1952. 449.8 P964

39227 BENGOA, J. M. Influencia de la dieta en la producción de las anemias. Arch. Venezol. de Nutr. 3: 5-23. Ref. June 1952. 389.8 Ar22
English summary.

39228 BLOMERUS, Y. Vegetarianism. Woman & Her Home 4:257-258. Nov.1952. 321.8 W843

39229 BRICKER, M. L. Protein for all ages. Nutr. News 16(2):1. Dec.1952. 389.8 N957

39230 CAHILL, H. R. The nospital dietitian. Voeding 13:720-723, Dec.15,1952. 389.8 V85
Includes discussion.

39231 CAMPBELL, R. Research and nutrition. Natl. Wool Grower 43(2):21-22. Feb.1953. 45.8 N21N

39232 CLAVERA, J. M. Desequilibrios alimenticios. An. de Bromatologia 4:187-199. 1952. 389.8 An1
English summary.

39233 COCCIA, I. L'organisation dietetique internationale dans le cadre de la politique alimentaire moderne. Voeding 13:740-742. Dec.15,1952. 389.8 V85

39234 COLL, P. L. Dieta y diabetes; consideraciones prácticas. Arch. Venezol. de Nutr. 3:37-44. June 1952. 389.8 Ar22
English summary.

39235 CUVELIER, B. V. J., and VERDONK, G. Graphic representations of diet calculations. (In Dutch.) Voeding 13:625-633. Dec.15,1952. 389.8 V85
English summary.

39236 DAVIS, G. K. Minerals in nutrition. Nutr. Observ. 13:69-75. Oct.1952. 389.8 N955

39237 DIAZ, M. K. Florida's school lunch; training program on State and local level. Ala. Tuskegee Inst. Serv. 17(6):7-10. Jan.1953. 280.8 Se62

39238 DICKINS, D. Contribution of calcium in self-rising cornmeal to diets of sharecropper families. Amer. Dietet. Assoc. J. 29:131-133. Feb.1953. 389.8 Am34

39239 DÖRNER, H. Brot und zahnkaries. Brot u. Gebäck 6:172-174. Ref. Nov.1952. 298.8 G33

39240 DUCH. Genügt die küche von gestern für den menschen von heute? (Sum.) L u. E 5(11):13-14. Nov. 1952. 389.8 Z34

39241 FILETI, E. The hospital and clinic dietitian. Voeding 13:716-717. Dec.15,1952. 389.8 V85

39242 FLANAGAN, T. The Florida school lunch program and the Florida dairy industry. Fla. Dairy News 2(8):28-29. Dec.1952/Jan.1953. 44.8 F66

39243 FOHN-HANSEN, L. Company pies. Alaska. U. Agr. Ext. B. F-44,7 p. n.d. 275.29 AL13B

39244 FOHN-HANSEN, L. Favorite recipes for potatoes. Alaska. U. Agr. Ext. B. F-10,17 p. n.d. 275.29 AL13B

39245 FOHN-HANSEN, L. More vegetables please! Alaska. U. Agr. Ext. B. F-45,30 p. n.d. 275.29 AL13B
Recipes.

39246 GARCIA MALLO, M. L. Las vitaminas su importancia en la conservacion de la salud. Pampa Argentina 25(259,i.e.299):26,34. Nov.1952. 9 P19

39247 GOLDSMITH, G. A. Human nutritive requirements and recommended dietary allowances. Amer. Dietet. Assoc. J. 29:109-115. Ref. Feb.1953. 389.8 Am34

39248 GONGORA Y LOPEZ, J., and YOUNG LOPEZ, N. La alimentación humana en Colombia. II. Agr. Trop. 8(11):41-47. Nov.1952. 26 Ag8

39249 GONGORA Y LOPEZ, J., and YOUNG LOPEZ, N. La alimentacion humana en Colombia. III. Agr. Trop. 8(12):25-36. Ref. Dec.1952. 26 Ag8

39250 GONZALO BILBAO, F. Estudio de la alimentación de las ordenes religiosas sometidas al ayuno. An. de Bromatologia 4:219-225. 1952. 389.8 An1
English summary.

39251 GOTTADRI, B., and MAGLIETTA, V. Importance of diets corrected in the nutritional troubles in newborns and in early childhood. Voeding 13:713-716. Dec.15,1952. 389.8 V85

39252 HARDIE, L. W., and ESSELBAUGH, N. C. Nutritional status of ten family groups in Washington State. II. Vitamin A nutrition. Amer. Dietet. Assoc. J. 29:134-139. Ref. Feb.1953. 389.8 Am34

39253 HILBERT, G. E. Processing trends and nutritive food values. (Excerpts.) Pract. Home Econ. 31(6): 36,52. Feb.1953. 321.8 H752

39254 HOLMES, S. A school milk project in the South Pacific. Nutrition 6(4):13-14. Winter 1952. 389.8 N959

39255 HOUGH, J. Vegetarianism and the healthy life. (Extr.) Veg. Messenger & Health Rev. (ser.9)49: 188-190. Nov./Dec.1952. 389.8 V522

39256 INSTITUTO DE NUTRICIÓN DE CENTRO AMÉRICA Y PANAMÁ. Informe, 1951. San Salvador, 1951. 32 p. 389.9 In72

39257 INSTITUTO DE NUTRICIÓN DE CENTRO AMÉRICA Y PANAMÁ. Problemas nutricionales. 1. Bocio endémico. Guatemala,1952. 4 p. 389.9 In72P

39258 KALOGIROU, G. Starvation and deficiency diseases during famine in Greece. Voeding 13:707-713. Dec.15,1952. 389.8 V85

39259 KEISER, T. T. T. B. Hospital and clinical dietitian. Voeding 13:717-718. Dec.15,1952. 389.8 V85

39260 KISSER, J. Ernährungsbiologie; ziele und aufgaben der neugegründeten "Gesellschaft für Ernährungsbiologie" in München. L u. E 5(11):3-5. Nov.1952. 389.8 Z34

39261 KOHNO, T. Calcium contents in the diet. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:143-146. 1952. 389.9 J27

39262 LAWSON, D. The dietetics of wasting diseases in childhood. Nutrition 6(4):31-37. Winter 1952. 389.8 N959

39263 LOZINA-LOZINSKY, C. The problem of nutrition of the seamen in the merchant fleet. Voeding 13: 700-703. Dec.15,1952. 389.8 V85

39264 LOZINA-LOZINSKY, C. Le teneur en gluten des aliments protido-glucidiques dans l'alimentation du diabetique d'après les recherches de G. di Macco et coll. Voeding 13:703-705. Dec.15,1952. 389.8 V85

39265 MACBETH, M. E. The Canadian dietitian in the field of public health. Voeding 13:723-728. Dec.15, 1952. 389.8 V85

39266 MCLESTER, J. S., and DARBY, W. J. Nutrition and diet in health and disease. Ed. 6. Philadelphia, Saunders,1952. 710 p. Ref. 389.1 M223

39267 MOTTRAM, V. H. This mystery of nutrition. Nutrition 6(4):10-12. Winter 1952. 389.8 N959

39268 MURRAY, W. D. A program for employees' nutrition. Nutr. News 16(2):7. Dec.1952. 389.8 N957

39269 NEW JERSEY. STATE COLLEGE OF AGRICUTURE AND MECHANIC ARTS. EXTENSION SERV. A box from home. N. J. Agr. Col. Ext. L. 98,8 p. Oct. 1952. 275.29 N46L
Chiefly cake and candy recipes.

39270 OREL, H. Die ernährung des kindes. (Sum.) L u. E 5(11):13. Nov.1952. 389.8 Z34

39271 PANFILI, G. Food ration and the meeting of protein needs; fishing and fish in the nutrition of the people. (In Italian.) Prog. Vet. 7:832-834,836. Dec.15, 1952. 41.8 P942

39272 RIVAS LARRALDE, E. Tratamiento dietetico de la diabetes. Arch. Venezol. de Nutr. 3:25-36. Ref. June 1952. 389.8 Ar22
English summary.

39273 ROCHE, J., UZAN, M., and DAVID, M. Enquetes alimentaires en Tunisie. III. B. Econ. et Social de la Tunisie 71:58-65. Dec.1952. 280.8 B874

39274 SALCHER, A. Gesundheit und ernährung. Bauer 6(2):8. Jan.10,1953. 19 B32

39275 SANTA CRUZ. Alimentación humana. ICA; Indus. y Com. de la Aliment. 7(84):13-14. Nov.1952. 286.8 Ic1

39276 SASAKI, R., and others. Studies on lactose as an infant food. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:139-142. 1952. 389.9 J27
M. Kondo, S. Morishige, and T. Sato, joint authors.

39277 SEBRELL, W. H. Nutrition—past and future. Pract. Home Econ. 31(6):35-36. Feb.1953. 321.8 H752

39278 SORRE, M. La géographie de l'alimentation. Ann. de Géog. 61:184-199. May/June 1952. 473 An75

39279 TRÉMOLIÈRES, J. Etude critique de la notion de standards alimentaires. Aliment. et la Vie 40:147-194. 1952. 389.9 So1B
Nutritional requirements.

39280 TRÉMOLIERÈS, J., and PEQUIGNOT, G. Réflexions sur des données fournies par le bilan N pour l'établissement des taux calorique et azote d'un regime. Voeding 13:662-700. Ref. Dec.15,1952. 389.8 V85

39281 TURIN. UNIVERSITA. CENTRO STUDI AMINOACIDI. The required quantity of amino-acids is conditioned by that of glycerides in a diet. (In Italian.) Mondo del Latte 11:659-660,663. Nov.1952. 44.8 M74
English summary.
Human nutrition.

39282 TUTTLE, W. W., and others. Physiologic response to size and content of breakfast by men over 60. Amer. Dietet. Assoc. J. 29:34-40. Jan.1953. 389.8 Am34
K. Daum, H. Roberts, and B. Randall, joint authors.

39283 U. S. INTERAGENCY COMMITTEE ON NUTRITION EDUCATION AND SCHOOL LUNCH. Description of nutrition education and school lunch activities of agencies represented on the Interagency Committee on Nutrition Education and School Lunch. Washington,U. S. Bur. Human Nutr. S Home Econ.,1952. 16 p. 1.982 A2D45

39284 VONK, W. B. Food survey, held for a group of glass blowers and sorters in the glass factory of N. V. Philips at Eindhoven. (In Dutch.) Voeding 13:634-661. Dec.15,1952. 389.8 V85
English summary.

39285 WHITEHEAD, S. B. Your food after fifty. New Health 28:18-21. Spring 1953. 449.8 N45

39286 WILDER, R. M. Nutritional health of adults in the United States. (Excerpts.) Pract. Home Econ. 31(6):36,52. Feb.1953. 321.8 H752

FOOD HABITS

39287 HAIG, G. T. Suppose Tommy won't eat. Canad. J. Pub. Health 44:16-19. Jan.1953. 449.8 P964

NUTRITIVE AND VITAMIN CONTENT

39288 AGUIRRE, F. Historia de la vitamina B_{12}. Esc. de Farm. 14(175/176):13-15,17. Ref. July/Aug. 1952. 396.8 Es1
Includes a list of foods containing the vitamin.

39289 ANDREWS, H. L., and ANDREWS, H. C. What's in a quart of milk? 42¢ worth of food for 20¢. Amer. Dairy Prod. Mfg. Rev. 15:2-3. Jan.1953. 44.8 Am37

39290 BABLET, J., and CANET, J. Etude histopathologique des troubles de la nutrition chez le nourrisson et l'enfant vietnamien. Inst. Pasteur. Ann. 83:595-607. Ref. Nov.1952. 448.3 An75

39291 BASU, K. P. Vegetable proteins; their nutritive value. Soc. Biol. Chem. India. Proc. 10:19-21. Oct.1952. 385 So13P

39292 BÉGIN, P. E. La crème glacée; valeur nutritive—avantages de sa consommation. Québec Lait. 11(11):36-37. Nov.1952. 44.8 Q3

39293 BEJARANO, J. La panela como alimento. Soc. Antioqueña de Agr. B. Agr. 387:3520-3521. July 1952. 9.4 So1
Nutritive value.

39294 BELEN'KIĬ, D. É. On soybean proteins and rational methods for their utilization in nutrition. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaĭstve, p. 242-253. Ref. Moskva,1952. 387.1 Ak12

39295 BENTERUD, J. E. Milk is better than juicy steak. (In Norwegian.) Meieriposten 41:943-944. Dec. 20,1952. 44.8 M47

39296 BORGSTRÖM, G. Om livsmedlens värde och kaloriinnehåll [On the nutritive value and calory content of food]. Svenska Inst. f. Konservforsk. P. 63,4 p. 1952. 389.9 Sv2

39297 COFER, E. Vitamin A in family meals. W. Va. Agr. Col. Ext. Good Living Ser. 20(2),6 p. n.d. 275.29 W522G

39298 COLES, J. V. Dairy products in the diet; Oakland and Los Angeles survey studies dairy products as sources of protein, important minerals and vitamins. Calif. Agr. [Calif. Sta.] 6(12):9,11. Dec.1952. 100 C12Cag

39299 DAVIDOV, R. B., and GUL'KO, L. E. Content of B_1, B_2, and PP vitamins in milk and methods for determining them. (In Russian.) Vsesoîùzn. Konf. po Moloch. Delu. Sborn. Dok. 2:242-257. 1950,pub.1951. 44.9 V962

39300 DEAKER, E. M. Comparison of the ascorbic acid content of Meyer and standard types of lemons. New Zeal. J. Sci. & Technol. B. Gen. Res. Sect. 34:146-149 Nov.1952. 514 N48B

39301 DEKKER, L. P. VAN DER M., and ENGEL, C. Contenido de vitamina A, B_1, B_2, y C en botellas de leche esterilizada, durante el almacenamiento en condiciones variadas. Indus. Lech. 34:586-589. Nov.1952. 44.8 In26

39302 DENMARK. STATENS HUSHOLDNINGSRÅD. Undersøgelser over C-vitamin, caroten og jern m. m. i kruspersille [Investigations on vitamin C, carotene and iron,etc.,in curly parsley]. Denmark. Stat. Hushråds. Faglige Meddel. 10:39-42. Dec.1952. 321.9 D41F

39303 DOMMEN, G. La valeur alimentaire du lait et des produits laitiers. Belg. Lait. 6(28):14-16. (Cont.) Nov.1952. 44.8 B412

39304 EGE, R. Nutritive value of dairy products. (In Danish.) Nord. Mejeri-Tidsskr. 19:8-10. 1953. 44.8 N752

39305 ETTINGER, R. Sunflower seeds are healthy. Org. Farmer 4(6):37,66. Jan.1953. 57.8 Or3

39306 FUNCK, B. Das ei als nahrungsmittel. V. Deut. Wirtgeflügelzucht. 5:189-190. Jan.10,1953. 47.8 D483

39307 GIRI K. V. Groundnut proteins. Soc. Biol. Chem. India. Proc. 10:27. Oct.1952. 385 So13P
Nutritive value.

39308 GRAEFE, G. Die bedeutung der fette für die ernährung. Reich der Landfrau 1:7-8. Jan.1,1953. 18 L2347

39309 GREER, E. N. Enrichment of flour with vitamins and minerals. École Off. de la Meun. Belge. B. 14:161-166. Nov./Dec.1952. 298.9 G34

39310 HATWALNE, B. V., and SOHONIE, K. Thiamine, riboflavin, nicotinic acid and vitamin C contents of palm gur. Cur. Sci. 21:349. Dec.1952. 475 Sci23

39311 HEAGLE, W. Support of vitamin enrichment program is necessary at the local level. Canad. Baker 66:38,40. Jan.1953. 389.8 C166

39312 HEUPKE, W. Nährstoffé, vitamine und mineralien im brot. Mühle 90:31-32. (Cont.) Jan.15, 1953. 298.8 M89

39313 KAPLANSKIĬ, S. ÍA. On some principal problems of determining the nutritive and therapeutic value of proteins and amino acids. (In Russian.) In Akademiîa Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozîaĭstve, p.206-219. Moskva,1952. 387.1 Ak12

39314 KON, S. K. Weitere stellungnahme zu dem artikel die "Vitaminisierung der sterilmilch." Milchwissenschaft 8:26. Jan.1953. 44.8 M5933

39315 KUPPUSWAMY, S., and SUBRAHMANYAN, V. The supplementary value of certain oil seed cake proteins to the proteins of rice and wheat. Soc. Biol. Chem. India. Proc. 10:28-29. Oct.1952. 385 So13P

39316 KURODA, K., UMEDA, S., and YOSHIDA, M. On the vitamin C in leaves of the evergreen persimmon (Diospyros nipponica Nakai). (In Japanese.) Jap. Soc. Food & Nutr. J. 5:147-149. 1952. 389.9 J27

39317 LAL, B. M., and DE, S. S. Balancing the vegetable proteins. Soc. Biol. Chem. India. Proc. 10:26-27. Oct.1952. 385 So13P
Nutritive value.

39318 LAL, B. M., and RAJAGOPALAN, R. Mutual supplementation in vegetable proteins. Cur. Sci. 21:45-46. Feb.1952. 475 Sci23
Oilcakes for human nutrition.

39319 MAPSON, L. W., and OLLIVER, M. Nutritive value of frozen foods. Internatl. Cong. Refrig. Proc. 8: 365-367. 1951. 295.9 In82

39320 MARKETAN, M. Was wir über unsere nahrungsmittel wissen sollten. (Sum.) L u. E 5(11):12. Nov.1952. 389.8 Z34

39321 MECHAM, D. K., and BROTHER, G. H. Proteinas conocidas y desconocidas del trigo. Hacienda 47(12):41-44. Dec.1952. 6 H11

39322 MILLER, C. D. Island vegetable values. Hawaii Farm Sci. [Hawaii Sta.] 1(4):7-8. Jan.1953. 100 H314

39323 MURTHY, H. B. N., SWAMINATHAN, M., and SUBRAHMANYAN, V. Supplementary value of groundnut cake to tapioca & sweet potato. Soc. Biol. Chem. India. Proc. 10:29-30. Oct.1952. 385 So13P

39324 NIEMAN, C., and others. The nutritive value of butter fat compared with that of vegetable fats. I-II. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 55:587-616. Ref. Nov./Dec.1952. 442.9 Am8
I, by C. Nieman, E. H. Groot; and B. C. P. Jansen; II, by C. van Eeden.

39325 PENTZER, W. T. Changes in the nutritive value of fruits and vegetables during cold and frozen storage. Internatl. Cong. Refrig. Proc. 8:367-369. 1951. 295.9 In82

39326 PHATAK, S. S., and PATWARDHAN, V. N. Nutritive value of iso-oleic acids. J. Sci. & Indus. Res. 11B:533-537. Ref. Dec.1952. 475 J82
Vanaspati.

39327 POPANDOPULO, P. KH., and DOBRYNINA, A. F. Change in content of A and C vitamins in milk. (In Russian.) Vsesoĭuzn. Konf. po Moloch. Delu. Sborn. Dok. 2:257-261. 1950,pub.1951. 44.9 V962

39328 RAJAGOPALAN, R. Soybean proteins. Soc. Biol. Chem. India. Proc. 10:31-32. Oct.1952. 385 So13P
Nutritive value.

39329 RODRIGUEZ PINERO, J. M. El azúcar, alimento y medicamento. Siembra [Madrid] 8(11):34. Nov.1952. 15 Si1

39330 ROMER, R. Das ei. Deut. Kleintier-Züchter. Ausg. Geflügel 7(20):2. (Cont.) Oct.20,1952. 47.8 D484
Nutritive value.

39331 ROY, D. K., and GUHA, B. C. Proteins from green leaves. Soc. Biol. Chem. India. Proc. 10:34-35. Oct.1952. 385 So13P
Nutritive value and use of such proteins for human consumption.

39332 SAHASRABUDHE, M. R., and RAO, M. V. L. Nutritive value of vegetable proteins in relation to liver protein regeneration and maintenance. Soc. Biol. Chem. India. Proc. 10:22-23. Oct.1952. 385 So13P

39333 SCHEER, K. Stellungnahme zu dem artikel "Der gehalt der ultraviolett-bestrahlten milch an D-vitaminen." Milchwissenschaft 8:26-29. Jan.1953. 44.8 M5933

39334 SUBRAMANIAN, N., RAO, M. V. L., and SRINIVASAN, M. Nutritive value of the seed proteins of Sesbania grandiflora Pers. Cur. Sci. 21:339-340. Dec.1952. 475 Sci23

39335 SUBRAMANIAN, N., and SRINIVASAN, M. Vegetable protein from a new source Amaranthus paniculatus Linn: its nutritive value. Soc. Biol. Chem. India. Proc. 10:25-26. Oct.1952. 385 So13P

39336 SUNIER, J. La bière et la levure, aliments prophylactiques. Petit J. du Brasseur 60:869-874. Dec.5,1952. 390.8 P44
Nutritive value.

39337 SUR, B. K., and SUBRAHMANYAN, V. Nutritive value of lucerne proteins. Soc. Biol. Chem. India. Proc. 10:35. Oct.1952. 385 So13P
In human nutrition.

39338 THOMAS, G. C. The background of the enrichment program in the United States. Canad. Baker 65(12):16-18,20,22. Dec.1952. 389.8 C166
Flour and bread.

39339 THOMAS, K., PACE, J. K., and WHITACRE, J. Effects of enrichment on the thiamine, riboflavin and niacin of corn meal and grits as prepared for eating. Tex. Agr. Expt. Sta. B. 753,30 p. Ref. Oct.1952. 100 T31S

39340 TURIN. UNIVERSITA. CENTRO STUDI SUGLI AMINOACIDI. Concordances and discordances among the amino-acids, and biological and pharmacological value of diets. (In Italian.) Mondo del Latte 10:611-612. Oct.1952. 44.8 M74
English summary.

39341 UPMAN, H. W. Ist die mehlvitaminierung ein sozialmedizinisches erfordernis? Müllerei 5:805-806. Ref. Dec.20,1952. 298.8 M91

39342 WAGNER, K. H. Ist die vitamin-B_1-versorgung durch unsere tägliche kost gesichert? Müllerei 6: 17-19. (Cont.) Jan.10,1953. 298.8 M91
Lists vitamin B_1, B_2, and niacin content of fruit and vegetables.

39343 WILCOX, E. B., and GALLOWAY, L. S. Green lima beans for variety and nutrition. Farm & Home Sci. [Utah Sta.] 13:83,99. Dec.1952. 100 Ut1F

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

39344 ALLEMAN, W. M. New serial publications of the United States Department of Agriculture and the State experiment stations. Spec. Libr. 44:66-69. Feb. 1953. 243.8 Sp3

39345 BOMBAY. DEPT. OF AGRICULTURE. Annual report, 1950-51. Bombay,1952. 250 p. 22 B63A

39346 BORGMANN, W. Zur toxikologie neuerer rattenbekämpfungsmittel. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 40:193-201. July 1952. 449.8 Z36

39347 BOWMAN, N. M. Publications, maps and charts sold by U.S. Government agencies other than the Superintendent of Documents. Spec. Libr. 44:53-65. Feb.1953. 243.8 Sp3
Includes publications of the Department of Agriculture.

39348 BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE. The 114th annual meeting [full report]. Brit. Agr. B. 5:259-268,270-271,273-274,276-295, 298-311,313-320,322-332. Jan.1953. 10 B776

39349 BRITISH GUIANA. DEPT. OF AGRICULTURE. Annual report for the year 1950. Georgetown,Demerara, 1952. 43 p. 9.6 B774A

39350 BROOKS, M. Wildlife management practices. W. Va. Agr. Expt. Sta. B. 357(2):6,11. Dec.1952. 100 W52

39351 CAROLINE, M. Rat and mouse control. Pest Control 21(2):24,26,46. (Cont.) Feb.1953. 449.8 Ex8

39352 DELAWARE. BOARD OF AGRICULTURE. Annual report 1951-1952. Del. Bd. Agr. B. 42(3),48 p. Sept.30,1952. 2 D37B

39353 FIJI. DEPT. OF AGRICULTURE. Annual report for the year 1951. Suva,1952. 47 p. 25 F47

39354 GALLEY, R. A. E. Health hazards in crop protection. (Sum.) Export Rev. Brit. Drug & Chem. Indus. 13(153):47. Jan.1953. 396.8 C42A
Economic poisons.

39355 IDAHO. DEPT. OF AGRICULTURE. Seventeenth biennial report, July 1, 1950 to June 30, 1952. n.p.,1952. 62 p. 2 Id1

39356 IOWA ACADEMY OF SCIENCE. Proceedings for 1952, volume 59, the sixty-fourth session, held at Cedar Rapids, April 18 and 19, 1952. Des Moines, 1952. 580 p. 500 Io93

39357 JOINT COMMITTEE OF THE ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES AND THE DEPT. OF AGRICULTURE ON REGIONAL PUBLICATIONS. Summary of policies adopted by directors of experiment stations with respect to issuing regional publications and releases on cooperative research. Washington?1952. 8 p. 200.4 J66

39358 JOVANIĆ, M. Rats as despoilers of fields and warehouses. (In Serbo-Croatian.) Vojvodanski Poljoprivrejnik 8(15):19-20. Nov.1952. 21.5 V87

39359 KALMAR LÄNS NORRA HUSHÅLLNINGSSÄLLSKAP. Annual report of the activities of Kalmar Province Northern Agricultural Society during the year 1951. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 12:57-77. 1952. 11 K12

39360 KENYA COLONY AND PROTECTORATE. DEPT. OF AGRICULTURE. Annual report 1951. Vol. I. Nairobi,1952. 53 p. 24 Af8A

39361 DER LANDWIRT; bauernkalender für 1953. Freiburg,1953. 160 p. 18 L2342

39362 LEEWARD ISLANDS. DEPT. OF AGRICULTURE. Annual report for the year 1951. Antigua,1952. various pagings. 8 L513
Department of Veterinary Services cooperating.

39363 LEONE, C. A. Genetics: Lysenko versus Mendel. Kans. Acad. Sci. Trans. 55:369-380. Dec.1952. 500 K13T

39364 LEWIS, J. C. Annotated bibliography of subtilin: assay, microbiological production, purification and chemistry, bacteriology, pharmacology, therapeutic activity, food preservation, and related compounds. U. S. Bur. Agr. & Indus. Chem. AIC-168,rev.,19 p. Aug. 1952. 1.932 A2Ag82

39365 LHOSTE, J. Le warfarine. Rev. Internatl. des Prod. Colon. 27:213. Nov.1952. 286.8 R326

39366 LOUISIANA. DEPT. OF AGRICULTURE AND IMMIGRATION. Thirty-fifth biennial report, 1950-1951. Baton Rouge,1952. 105 p. 2 L93R

39367 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Publications for farm and home. Mass. U. Agr. Ext. L. 104,rev.,8 p. Nov. 1952. 275.29 M381L
Experiment Station and Extension Service publications.

39368 MAURITIUS. DEPT. OF AGRICULTURE. Annual report, 1951. Port Louis,1952. 89 p. 24 M443A

39369 MEHL, S. Die ratten. Brunswick, Ger. Brunswick, Germany. Biolog. Bundesanst. Flugbl. C 4,ed. 2,12 p. Mar.1952. 442.9 B832F

39370 MEXICO. SECRETARIA DE AGRICULTURA Y GANADERIA. Resumen del informe de labores del 1º. de septiembre de 1951 al 31 de agosto de 1952. México D.F.,1952. 348 p. 8 M578

39371 NEVADA. DEPT. OF AGRICULTURE. Report for the fiscal years ending June 30, 1951-1952. Carson City,1952. 29 p. 2 N413B

39372 NEW JERSEY. DEPT. OF AGRICULTURE. Thirty-sixth annual report July 1, 1950—June 30, 1951. Trenton,1951. 207 p. 2 N46Re

39373 OPHOF, A. J. Rat control a task for farmers and gardeners especially. (In Dutch.) Groninger Landbbl. 30(47):13. Nov.27,1952. 12 G892

39374 PINDUR, W. Rattenbekämpfung. Bauer 5(44): 14-16. Dec.13,1952. 19 B32

39375 RAMPON, L. La lutte contre les rats dans les fermes algériennes. Élevage et Cult. 4(48):6,23. Dec. 1952 24 EL2

39376 RHODE ISLAND. DEPT. OF AGRICULTURE AND CONSERVATION. Seventeenth annual report, 1951. Providence,1951. 102 p. 2 R344

39377 SOUTH DAKOTA. DEPT. OF AGRICULTURE. Thirty-first annual report for the fiscal year ending June 30, 1951. Stickney,1951. 304 p. 2 So84B

39378 SOUTH-EASTERN UNION OF SCIENTIFIC SOCIETIES. Proceedings and transactions for 1952. So.-East. Nat. & Antiquary 57,51 p. 1952. 501 So82

39379 STEFFEN, A. J. Fight rats and mice. Poultry Processing & Mktg. 59:18,33-34. Jan.1953. 286.85 Eg3

39380 STICHTING VOOR DE LANDBOUW. Jaarverslag [Annual report of the Agricultural Foundation] 1951. 's-Gravenhage,1952. 427 p. 12 St5J

39381 TANGANYIKA. PROVINCIAL COMMISSIONERS Annual reports for the year 1950. Dar es Salaam,1952. 206 p. 280 T15
Includes agricultural data.

39382 UGANDA. DEPT. OF AGRICULTURE. Record of investigations, No. 2, for the period 1st April, 1949, to 31st March, 1950. Entebbe,1952. 63 p. 24 Ug12R

39383 U. S. DEPT. OF AGRICULTURE. OFF. OF. BUDGET AND FINANCE. Report, 1951/52. Washington, 1952. 53 p. 1 B85R

39384 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Annual reports, 1951/52. Washington, 1952. 34 p. 1 In3R

39385 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Report of the Secretary of Agriculture, 1952. Washington,1952. 43 p. 1 Ag84A

39386 U. S. WESTERN REGIONAL RESEARCH LABORATORY. Semiannual list of publications and patents with abstracts. U. S. Bur. Agr. & Indus. Chem. AIC-321(sup. 2),various pagings. 1952. 1.932 A2Ag82

39387 VAN DERSAL, W. R. A major move in wildlife conservation. Washington?U. S. Soil Conserv. Serv., 1952. 10 p. 1.9609 V28
Presented at the 1952 Sportsmen's Jamboree, Bonneville County, Idaho, Feb. 16, 1952.
Conservation of natural resources in relation to wildlife conservation.

39388 VERDEJO VIVAS, G. Anticoagulantes como raticidas. Ion 12:466-469. Ref. Sept.1952. 385 Io6

39389 WILSON, E. Choose your own method—but get rid of those rats. Poultry 111:410. Dec.23,1952. 47.8 P869

39390 WISCONSIN. DEPT. OF AGRICULTURE. Agricultural progress: biennial report 1951—1952. Wis. Dept. Agr. B. 316,84 p. Nov./Dec.1952. 2 W752Bu

39391 ZANZIBAR. DEPT. OF AGRICULTURE. Annual report, 1950. Zanzibar,1952. 36 p. 24 Z1

HISTORY AND BIOGRAPHY

39392 ALEXANDER, C. P. Henry Torsey Fernald. J. Econ. Ent. 45:1111-1112. Dec.1952. 421 J822

39393 BÁEZ, J. R. Orígenes de la agricultura europea en el Río de la Plata, sus conexiones con el Perú y Chile (siglo XVI). Rev. Argentina de Agron. 19: 197-207. Dec.1952. 9 R327

39394 BAKER, A. W. Lawson Caesar, 1870-1952. J. Econ. Ent. 45:1113-1114. Dec.1952. 421 J822

39395 BENNER, W. M. Francis Whittier Pennell. Bartonia 26:16-17. Dec.22,1952. 451 P532

39396 BENNER, W. M. Morris Evans Leeds. Bartonia 26: 18. Dec.22,1952. 451 P532

39397 BLAKE, S. T. Cyril Tenison White, 1890-1950. Roy. Soc. Queensland. Proc. 62:35-48. Sept.1952. 514 B775
Includes list of his publications, p.38-48.

39398 BOUDEWIJN, C. Johan Nypels, agricultural journalist for fifty years. (In Dutch.) Cent. Bur. Meded. 36:151,154. Dec.1952. 12 N287

39399 BOUGHTON, G. R. Botanists of the Pacific Railroad surveys. Arboretum B. 15(4):3-5,27. Winter 1952. 451 Ar1

39400 BRITTON, E. B. Obituary. Entomologist 86: 25. Jan.1953. 421 En8
Dr. K. G. Blair.

39401 BROADHEAD, B. G. Great farmers. VII. Robert H. Elliot (1837-1941). Rur. Educ. B. 7:152-155. Nov.1952. 109 C162

39402 CLEM, J. R. He bragged on their cotton, an autobiography. Dallas,Upshaw,1952. 152 p. 120 C592

39403 CORTEZ, F. R. Archeological investigations of the "Castellum" of Fonte do Milho. (In Portuguese.) Inst. do Vinho do Porto. An. 1:17-88. 1951. 390.9 Op5A
Includes a reconstruction of agriculture in the Roman ruins in Douro.

39404 CRUCHET, P. Le docteur Eugène Mayor, mycologue. Schweiz. Bot. Gesell. Ber. 62:239-243. Dec. 1952. 451 Sch9

39405 DACANAY, J. Q. Director Hilarion S. Silayan. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(11): 34-38. Nov.1952. 25 P544P
Includes list of his publications.

39406 DACANAY, J. Q. Eulalio P. Baltazar. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(10):32-38, 2. Oct.1952. 25 P544P
Includes list of his publications.

39407 DIX, W. L. Francis W. Pennell. Torrey Bot. Club. B. 80:95-96. Jan./Feb.1953. 451 T63B

39408 GRAND, R. Les grands amis de l'agriculture. XII. Jules Méline (1828-1926). Agr. Prat. 116:606. Dec. 1952. 14 J82

39409 GROOT, DE. In memoriam Prof. Dr. L. Bakker, 24-8-1876—14-10-1952. (In Dutch.) Tijdschr. v. Diergeneesk. 78:61-63. Jan.15,1953. 41.8 T431
Includes list of his publications.

39410 HAMBLETON, J. I. Everett Franklin Phillips, 1878-1951. J. Econ. Ent. 45:1124. Dec.1952. 421 J822

39411 HAMILTON, V. Pages of the past. Land [Sydney] 2179:10-11,20,72. Oct.8,1952. 23 L22
In New South Wales.

39412 HARVEY, N. Practice and publication—the story of John Claudius Loudon. Land Agents' Soc. J. 52: 29-31. Jan.1953. 282.9 L22

39413 HAWKINS, C. N. Kenneth Gloyne Blair, 1882-1952. Ent. Mon. Mag. 89:25-29. Feb.1953. 421 En86

39414 HENRY, M. G., and others. Memorial meeting for Dr. Francis W. Pennell, February 28, 1952. Bartonia 26:1-11. Dec.22,1952. 451 P532
Includes contributions by H. E. Stone, H. A. Pilsbry, C. Harvey, H. W. Trudell, D. D. Keck, A. C. Smith, M. Martinez, and E. T. Wherry.

39415 HILLING, J. L. De animalibus insectis 'Academic Entomology.' Ulysses Aldrovandi, 1522-1605. Plant Protect. Overseas Rev. 3(2):11-15. July 1952. 464.8 P69

39416 HOLBROOK, N. K. Dairy farmer goes to Agriculture's helm. West. Dairy J. 9(4):55. Feb.1, 1953. 44.8 W524
Secretary of Agriculture Ezra Taft Benson.

39417 HOUTEN, H. J. VAN. The primeval forms of our farms. (In Dutch.) Boerderij 37(13):56. Dec.24, 1952. 12 B63

39418 HOUTEN, J. G. TEN, Prof. Dr. Johanna Westerdijk and horticulture. (In Dutch). Netherlands. Dir. van de Tuinbouw Meded. 15:923-924. Dec.1952. 86 N384

39419 JAARSVELD, A. Professor Westerdijk and the Laboratory "Willie Commelin Scholten." (In Dutch.) Tijdschr. over Plantenziekten 58:202-206. 1952. 464.8 T44

39420 PADDOCK, F. R. Frank C. Pellett 1879—1951. Iowa Acad. Sci. Proc. 59:52-53. 1952. 500 Io93

39421 POOL, W. A. Dr. J. T. Edwards. Nature [London] 171:240. Feb.7,1953. 472 N21

39422 RIEHM, H. Landwirtschaftliche forschungsstätten in Baden und ihr begründer Julius Nessler. Bad. Landwirt. Wchnbl. 120:35-36. Jan.3,1953. 18 B142

39423 ROTHERY, W. B. Illawarra's first settler. Land [Sydney] 2179:28,78. Oct.8,1952. 23 L22
Charles Throsby Smith.

39424 SCHOL-SCHWARZ, M. B. The person of Professor Dr. Johanna Westerdijk. (In Dutch.) Tijdschr. over Plantenziekten 58:200-201. 1952. 464.8 T44

39425 TRAVASSOS, L. P. Joaquim Franco de Toledo. (In Portuguese.) Dusenia 3:331-342. Sept.30,1952. 410 D94
Includes a list of his works.

39426 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Some landmarks of Department of Agriculture history. Washington?1952. 42 p. (Document 8) 1.914 A2So5

39427 VILA PLA, J. A. Wenceslao Escalante, fundador de la facultad de agronomia y veterinaria. Pampa Argentina 25(300):8. Dec.1952. 9 P19

39428 WALCOTT, G. Melville Thurston Cook, Sept. 20, 1869-Aug. 11, 1952. J. Econ. Ent. 45:1112-1113. Dec.1952. 421 J822

39429 ZHDANOV, S. V. Petr Ivanovich Prokopovich; life and activity. (In Russian.) In Krishchunas, N. V., ed. Za povyshenie produktivnosti pchelovodstva, p.7-17. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 424 K89

HOME MANAGEMENT

39430 FOHN-HANSEN, L. Furs for fifty [degrees] below. Alaska. U. Agr. Ext. B. C-33,19 p. 1952? 275.29 AL13B
Chiefly maintenance and repair.

39431 FOHN-HANSEN, L. Homemade fun for Christmas. Alaska. U. Agr. Ext. B. D-1,26 p. Nov.1952. 275.29 AL13B
Gift making, decorations, and recipes.

39432 KIRCHNER, C. Backgrounds for your home. Minn. U. Agr. Ext. B. 270,12 p. June 1952. 275.29 M66S

39433 LOPEZ, S. Cómo hacer flores usando medias de nilón. P. R. Agr. Col. Ext. DI-19,4 p.-folder. Sept. 1952. 275.29 P96Fd

39434 MCGIBNEY, I. Gifts. S. Dak. State Col. Agr. Ext. C. 446,rev.,24 p. June 1952. 275.29 So85
Suggestions and sewing directions.

39435 PEARCE, R. How to make your own draperies. Del. U. Agr. Ext. B. 59,14 p. Apr.1952. 275.29 D37

39436 SELF, E., and others. Guide posts in buying household equipment. Ariz. Agr. Col. Ext. C. 207,7 p. Dec.1952. 275.29 Ar42

39437 U. S. EXTENSION SERV. The house, home furnishings and equipment "send for" list. Washington, 1952. 5 p. 1.913 H3Se5

INTERNATIONAL RELATIONS

39438 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The work of FAO 1951/52; report of the Director-General. Rome,1952. 32 p. 389.9 F735Dz

39439 HAGGERTY, J. J. The roots of our strength. Washington,U. S. Off. Foreign Agr. Relat.,1953. 9 p. 1.943 H12
Summary of remarks before the Annual Farmers Conference at Tuskegee Institute, Tuskegee, Ala.
American democracy and international relations.

39440 JARVIS, M. The Food and Agriculture Organization of the United Nations. O.A.C. Rev. 65:83-84,111. Nov.1952. 276.8 On8

39441 MULGRUE, G. A year of agriculture in the world. (In Italian.) Agricoltura 1(11):63-65. Nov.1952. 16 Ag8226
Account of the sixteenth session of the FAO Council.

39442 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Annual report, fiscal year 1951-52. Washington,1952. 7 p. 1 F752; also 1 Ag84

METEOROLOGY

39443 BATORFFY, W. R. Sunspots and agricultural production. (In Portuguese.) Rev. dos Mercados 3(27): 29-31. Nov.1952. 286.8 R328

39444 ÇOLAŞAN, U. E. Etude sur les grêles de l'année 1947 dans la région d'Egée; leur origine et les moyens de les combattre. (In Turkish.) Türkiye Cumhuriyeti Ziraat Bankasi. Uç Ayda Bir Cikar 25/26:20-52. Jan./June 1952. 280.9 T842

39445 DECKER, W. L. Monthly precipitation in Missouri; climatic atlas of Missouri, No. 1. Mo. Agr. Expt. Sta. B. 572,80 p. Mar.1952. 100 M693

39446 FAUST, H. Künstliche regenerzeugung. Kärntner Bauer 102:624-625. Dec.1,1952. 19 K14

39447 PUTTASWAMY, H. S. Meteorological observations applied to agriculture. Mysore Agr. J. 28:52-53. July/Sept.1952. 22 M993

39448 RUBY, F. Los nuevos métodos de defensa contra el pedrisco. Inst. Agr. Catalán de San Isidro. Rev. 101:237-244. (Cont.) Oct.1952. 15 Sa5

39449 SOROA, J. M. Utilización del servicio meteorológico por la agricultura. Siembra [Madrid] 8 (10):3-6. Oct.1952. 15 Si1
Spain.

39450 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST EXPERIMENT STATION. Wind River climatological data, 1911-1950, by R. W. Steele. Portland,Oreg., 1952. 21 p. 1.9622 P2W72

PERSONNEL

39451 U. S. DEPT. OF AGRICULTURE. USDA Leadership Institute; Atlanta, Georgia, Dec. 1-12, 1952. Washington?1952? 53 p. 1.91 C2Un32

RESEARCH

39452 ANDERSON, C. P. Farm research. Nation's Agr. 28(2):18-19. Feb.1953. 280.82 B8

39453 FORSTER, H. C. A review of programmes for agricultural research in Australia. Austral. Inst. Agr. Sci. J. 18:198-207. Dec.1952. 23 Au74

39454 FREEBORN, S. B. The responsibilities of publicly supported research in agriculture. Nulaid News 30(9):6-7,26-27. Feb.1953. 47.8 N917

39455 IDAHO. AGRICULTURAL EXPERIMENT STATION. Agricultural research for Idaho. Idaho. Agr. Expt. Sta. C. 121,8 p.-folder. Dec.1952. 100 Id1

39456 INDIANA. AGRICULTURAL EXPERIMENT STATION. Progress of agricultural research in Indiana, sixty-fifth annual report. Lafayette,1952. 167 p. 100 In2P

39457 IOWA. AGRICULTURAL EXPERIMENT STATION. New findings for farm folk; for the two years July 1, 1949 to June 30, 1951. II. Ames,1952? 32 p. 100 Io9

39458 KELLER, E. R. Beiträge zur technik des landwirtschaftlichen versuchswesens. IV. Schweiz. Landwirt. Monatsh. 30:379-396. Ref. Nov.20,1952. 17 Sch93

39459 KILDEE, H. H. I believe that more money invested in basic farm research will be the most profitable dollars we can spend. Country Gent. 123(2):12,14. Feb. 1953. 6 C833

39460 KUPRIANOFF, J. Forschung und publizistik. Nachr. f. Beratung u. Ausbild. in der Landwirt. 5:159-161. Dec.1952. 18 N11
Germany.

39461 MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. 65th annual report, fiscal year ending June 30, 1952. State College,1952? 91 p. 100 M69

39462 NELDER, J. A. Some genotypic frequencies and variance components occurring in biometrical genetics. Heredity 6:387-394. Dec.1952. 443.8 H42

39463 NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. Lipman Hall; being an account of the proceedings at the dedication on June 12th, 1951, of a building named in honor of Jacob Goodale Lipman together with a review of fifty years of progress in three departments which grew up under his guidance at the New Jersey Agricultural Experiment Station, Rutgers University, The State University of New Jersey. Binghamton,N. Y.,1952. 107 p. 56 N46

39464 NORTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. Annual report 1951/52. N. Dak. Agr. Expt. Sta. B. 380,31 p. Dec.1952. 100 N813

39465 OHIO. AGRICULTURAL EXPERIMENT STATION. Farm science and practice; 70th annual report, 1950/51. Ohio. Agr. Expt. Sta. B. 725,123 p. Jan. 1953. 100 Oh3S

39466 PEARSON, P. B. The research program of the Atomic Energy Commission as related to agriculture and the biological sciences. (Abs.) Assoc. Land-Grant Col. & U. Proc. 65:161-162. 1951. 4 As7

39467 PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; supplement 1 to the 65th annual report. Pa. Agr. Expt. Sta. B. 553 (sup. 1),11 p. Dec.1952. 100 P381

39468 PETITHUGUENIN, P. Les instituts autonomes de recherches et leur rôle dans le développement de l'agriculture d'Outre-mer. Fruits 7:524-528. (Cont.) Dec.1952. 80 F9492

39469 RESEARCH an answer to the farmers' problems. Farm & Home Sci. [Utah Sta.] 13:78-82. Dec.1952. 100 Ut1F
Research conducted at the Utah Agricultural Experiment Station.

39470 RICHARDSON, T. C. Science looks for new ideas to help you make more money. Farmer-Stockman 56:16-17,19,30,62. Jan.1953. 6 Ok45

39471 ROBINSON, C. K. Current Caribbean research. III. Food crops for local consumption. Caribbean Comn. Inform. Mon. B. 6:105-107. Dec.1952. 280.9 C19

39472 SHEEHY, E. J. The utility of research in agriculture. Annu. Agr. & Bloodstock Survey & Spring Show Rev. 1:36-38. 1951/52. 10.5 An7

39473 SHAW, B. T. The role of research in meeting future agricultural requirements. Washington,U. S. Agr. Res. Admin.,1952. 31 p. 1.98 Sh2
Paper presented on the general program of the annual meeting of the American Society of Agronomy, Cincinnati, Nov. 18, 1952.

39474 SWITZERLAND. EIDGENOSSISCHE LANDWIRTSCHAFTLICHE VERSUCHSANSTALT ZÜRICH-OERLIKON. Bericht über die tätigkeit, 1950/51. Landwirt. Jahrb. der Schweiz (n.s.)2:1-73. Ref. 1953. 17 L23

39475 TRULLINGER, R. W. Cooperative responsibilities in agricultural research. Washington,U. S. Off. Expt. Sta.,1952. 16 p. 1.912 T76
Outline of remarks before a meeting of the Farm Equipment Institute and Agricultural Research Leaders, Chicago, Dec. 16, 1952.
Cooperation of industrial organizations, including the farm equipment industry.

39476 UNDERWOOD, E. J. The role of the agricultural scientist in increasing food production in Australia. Austral. Inst. Agr. Sci. J. 18:184-189. Dec.1952. 23 Au74

39477 VAGTBORG, H. Research—key to the future. Natl. Inst. Anim. Agr. Proc. 2:44-53. 1952. 49.9 N219

39478 WESTERMARCK, N. Position of the scientific activity in agriculture within the Scandinavian countries. (In Swedish.) Nord. Jordbrforsk. 34:81-92. 1952. 11 N752
English summary.

39479 WISCONSIN. AGRICULTURAL EXPERIMENT STATION. What's new in farm science. I. Sixty-seventh and sixty-eight annual reports for the years ending June 30, 1950 and 1951. Wis. Agr. Expt. Sta. B. 496,111 p. Jan.1952. 100 W75

39480 WYOMING. AGRICULTURAL EXPERIMENT STATION. Science in agriculture, report 62, 1951-52. Laramie,1952. 19 p. 100 W99

STATISTICS

39481 SHERMAN, C. B. Making agricultural statistics meaningful to laymen. West. Farm Econ. Assoc. Proc. 25:91-94. 1952. 280.9 W527P

39482 VESSEREAU, A. Emploi des méthodes statistiques pour l'interprétation des mesures et dans l'organisation des recherches. Soc. d'Études Chim. pour l'Indus. et l'Agr. Conf. 7/8,59 p. Jan.1952. 383 So13

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution

Periodicals issued by the Department are listed in the November issue only, articles in them are indexed currently

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Handbooks

U. S. LAWS, STATUTES, ETC. Compilation of Soil Conservation and Domestic Allotment Act, Agricultural Adjustment Act of 1938, Federal Crop Insurance Act, Sugar Act of 1948, Agricultural Act of 1949, Commodity Credit Corporation Charter Act, related appropriation items, and miscellaneous laws, including amendments as of January 1, 1953. Compiled under the direction of the Solicitor. U. S. D. A. Agr. Handb. 49,174 p. 1952. 1 Ag84Ah

WILLIAMS, E. T. The small timber owner and his Federal income tax. U. S. D. A. Agr. Handb. 52, 55 p. Feb.1953. 1 Ag84Ah

Bibliographical Bulletins

HALLER, M. H. Handling, transportation, storage, and marketing of peaches; a digest of recent contributions to the knowledge of physical and biological phases of the subject. U. S. D. A. Bibliog. B. 21,105 p. Ref., p.92-105. Dec.1952. 1 Ag84Bi

Circulars

OFFORD, H. R., and others. Improvements in the control of ribes by chemical and mechanical methods. U. S. D. A. C. 906,72 p. Ref. Dec.1952. 1 Ag84C
V. D. Moss, W. V. Benedict, H. E. Swanson, and A. London, joint authors.

GORENZ, A. Diplodia infection of Hevea buddings and its prevention by the use of a protective fungicide. U. S. D. A. C. 913,22 p. Ref. Jan.1953. 1 Ag84C

Farmers' Bulletins

KEMPER, H. E. Sheep scab. U. S. D. A. Farmers' B. 713,rev.,26 p. Oct.1952. 1 Ag84F

THORNE, G. Control of the sugar beet nematode. U. S. D. A. Farmers' B. 2054,18 p. 1952. 1 Ag84F
Supersedes Farmers' Bulletin 1514.

Leaflets

U. S. PRODUCTION AND MARKETING ADMIN. Facts about cotton. U. S. D. A. L. 167,rev.,8 p. 1952. 1 Ag84L

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Control of hornworms [Protoparce sexta and P. quinquemaculata] on tobacco. U. S. D. A. L. 336, 8 p. 1953. 1 Ag84L

Marketing Research Reports

U. S. BUR. OF AGRICULTURAL ECONOMICS. Opinions of homemakers regarding fibers in selected items of household furnishings. U. S. D. A. Mktg. Res. Rpt. 26,103 p. Ref. Nov.1952. 1 Ag84Mr

KUTISH, L. J. Regulations on weight of motor-trucks; problems illustrated by Wisconsin's experience in hauling fluid dairy products. U. S. D. A. Mktg. Res. Rpt. 28,49 p. Nov.1952. 1 Ag84Mr

GILLILAND, C. B., and SMITH, T. B. Peanut snack and peanut spread: potential new products. U. S. D. A. Mktg. Res. Rpt. 29,36 p. Ref. Dec.1952. 1 Ag84Mr

Statistical Bulletins

U. S. PRODUCTION AND MARKETING ADMIN. Annual report on tobacco statistics, 1952. U. S. D. A. Statis. B. 117,71 p. Dec.1952. 1 Ag84St

EDLER, G. C., KUZELKA, T. J., and SUTHERLAND, R. H. Farm production, farm disposition, and value of field seed crops. Revised estimates 1939-50, by States. U. S. D. A. Statis. B. 119,65 p. Dec.1952. 1 Ag84St

U. S. BUR. OF AGRICULTURAL ECONOMICS. Production of manufactured dairy products, 1951. U. S. D. A. Statis. B. 120,36 p. Dec.1952. 1 Ag84St

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. USDA Leadership Institute; Atlanta, Georgia, Dec. 1-12, 1952. Washington? 1952? 53 p. 1.91 C2Un32

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

HILBERT, G. E. Processing trends and the nutritive value of foods. Washington, U. S. Bur. Agr. & Indus. Chem., 1952. 11 p. 1.9321 N2H54
Presented at the National Food and Nutrition Institute, Washington, D. C., Dec. 9, 1952.

LEWIS, J. C. Annotated bibliography of subtilin: assay, microbiological production, purification and chemistry, bacteriology, pharmacology, therapeutic activity, food preservation, and related compounds. U. S. Bur. Agr. & Indus. Chem. AIC-168,rev.,19 p. Aug. 1952. 1.932 A2Ag82

LOEB, J. R., and MORRIS, N. J. Abstract bibliography of the chemistry, processing, and utilization of rice bran and rice bran oil. U. S. Bur. Agr. & Indus. Chem. AIC-328,95 p. 1952. 1.932 A2Ag82

MCCOLLOCH, R. J. Determination of pectic substances and pectic enzymes in citrus and tomato products. U. S. Bur. Agr. & Indus. Chem. AIC-337,13 p. Ref. June 1952. 1.932 A2Ag82

OLSON, R. L. Sanitation and microbiology as related to vegetable dehydration. U. S. Bur. Agr. & Indus. Chem. AIC-344,14 p. Sept.1952. 1.932 A2Ag82
A revision of the sections entitled "Sanitation" and "Control of insects and mites," in U. S. Department of Agriculture Miscellaneous Publication 540.

U. S. BUR. OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY. NAVAL STORES RESEARCH DIV. Facts about the Naval Stores Station. U. S. Bur. Agr. & Indus. Chem. AIC-345,3 p. Oct.1952. 1.932 A2Ag82

U. S. WESTERN REGIONAL RESEARCH LABORATORY. Semiannual list of publications and patents with abstracts. U. S. Bur. Agr. & Indus. Chem. AIC-321(sup. 2),various pagings. 1952. 1.932 A2Ag82

AGRICULTURAL ECONOMICS, BUREAU OF

CONOVER, A. G. The outlook for tobacco for 1953. Washington, U. S. Bur. Agr. Econ., 1952. 3 p. 1.90 C2Ou8
Statement presented at the Annual Agricultural Outlook Conference, Washington, D. C., Oct. 23, 1952.

HECHT, R. W. Labor and power used for farm enterprises, Indiana, 1950. U. S. Bur. Agr. Econ. F. M. 100,33 p. Dec.1952. 1.941 L6F22

JOHNSON, S. E. Soil conservation and farm management. Washington,U. S. Bur. Agr. Econ.,1952. 9 p. 1.941 L6J63
Presented at meeting of the Soil Conservation Society of America, at Buffalo, Oct. 23-25, 1952.

KOENIG, P. L. Federal-State crop reporting services. Washington,U. S. Bur. Agr. Econ.,1952. 6 p. 1.941 A2K81
Presented at meeting, National Association of Marketing Officials, Biloxi, Miss., Oct. 21, 1952.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Agricultural economic and statistical publications. Washington,1952. 83 p. 1.9 Ec731La

U. S. BUR. OF AGRICULTURAL ECONOMICS. Apples; production by varieties, 1952, with comparisons. Washington,1952. 9 p. 1.941 S8Ap5

U. S. BUR. OF AGRICULTURAL ECONOMICS. Cattle on feed, January 1, 1953. Washington,1953. 2 p. 1.9 Ec742Caf

U. S. BUR. OF AGRICULTURAL ECONOMICS. Citrus production report as of January 1, 1953. Orlando, 1953. 2 p. 1.941 S8C49

U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production practices; labor, power, and materials, by operation. 4. Great Plains. U. S. Bur. Agr. Econ. F. M. 92,220 p. Jan.1953. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Dry bean and pea stocks—September 1, 1952. Boise,1952. 2 p. 1.941 H8B374

U. S. BUR. OF AGRICULTURAL ECONOMICS. Factors affecting the annual auction price of Florida oranges, 1930-51, by W. S. Hoofnagle. Washington,1952. 12 p. 1.941 H2F11

U. S. BUR. OF AGRICULTURAL ECONOMICS. Honey and beeswax production. Richmond,1953. 2 p. 1.941 H8H753

U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho onion stocks January 1, 1953. Boise,1953. 2 p. 1.941 H8On4

U. S. BUR. OF AGRICULUTURAL ECONOMICS. Lamb feeding situation, November 1, 1952. Washington, 1952. 2 p. 1.9 Ec742Lam

U. S. BUR. OF AGRICULTURAL ECONOMICS. Merchantable potato stocks. Washington,1953. 4 p. 1.941 S8P85
Also reports issued from Boise, Fargo, St. Paul, and Portland, Oreg.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Milk production on farms and statistics of dairy plant products, 1952, by J. L. Wilson and others. Washington, 1953. 46 p. 1.941 H2M59

U. S. BUR. OF AGRICULTURAL ECONOMICS. 1952 summary of American cheese warehouse statistics. Chicago,1953. 8 p. 1.941 H8C41

U. S. BUR. OF AGRICULTURAL ECONOMICS. Pacific Coast hop prospects. Portland,Oreg.,1952. 1 p. 1.941 S8H772

U. S. BUR. OF AGRICULTURAL ECONOMICS. Production, farm disposition and value, principal fruits and tree nuts, 1951 and 1952 seasons. Washington,1953. 22 p. 1.941 H8F942

U. S. BUR. OF AGRICULTURAL ECONOMICS. Rations fed to milk cows, 1952, by J. L. Wilson and H. M. Walters. Washington,1953. 22 p. 1.941 H8F32

U. S. BUR. OF AGRICULTURAL ECONOMICS. Rough rice stocks, January 1, 1953. Washington,1953. 2 p. 1.941 A2R75

U. S. BUR. OF AGRICULTURAL ECONOMICS. Rural health; annotated list of selected references (preliminary), by H. L. Johnston, E. S. Manny, and W. Longmore. Washington,1952. 31 p. 1.941 R7R886

U. S. BUR. OF AGRICULTURAL ECONOMICS. Sheep and lambs on feed, January 1, 1953. Austin,1953. 2 p. 1.941 H8Sh33
Also report issued from Portland, Oreg.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Shorn wool production, 1952. Porland,Oreg.,1952. 2 p. 1.9 Ec742Woo
Similar report issued from Austin.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Special tree nut report. Portland,Oreg.,1952. 1 p. 1.941 S8N95

U. S. BUR. OF AGRICULTURAL ECONOMICS. Total tractors on farms, specified years, by States. Washington,1952. 1 p. 1.941 H22T64

U. S. BUR. OF AGRICULTURAL ECONOMICS. Vegetable seeds: acreage, yield, production, stocks, supply, and disappearance 1939-50, by kinds, by G. C. Edler, T. J. Kuzelka, and R. H. Sutherland. Washington, 1952. 13 p. 1.941 H2V523

U. S. BUR. OF AGRICULTURAL ECONOMICS. The world sugar situation. Washington,1953. 32 p. 1.9 Ec752Ws

WAUGH, F. V. Agricultural marketing research since 1946. Washington,U. S. Bur. Agr. Econ., 1952. 5 p. 1.941 P4W35
Talk at the meeting of the New England Research Council Amherst, Mass., June 19, 1952.

WAUGH, F. V. Food supply and prospects. Washington,U. S. Bur. Agr. Econ.,1952. 2 p. 1.941 P4W35
Summary of talk at the National Food and Nutrition Institute, Washington, D. C., Dec. 8, 1952.

AGRICULTURAL RESEARCH ADMINISTRATION

SHAW, B. T. The role of research in meeting future agricultural requirements. Washington,U. S. Agr. Res. Admin.,1952. 31 p. 1.98 Sh2
Paper presented on the general program of the annual meeting of the American Society of Agronomy, Cincinnati, Nov. 18, 1952.

SPENCER, F. H. Contract policies of the U. S. Department of Agriculture. Washington,U. S. Agr. Res. Admin.,1952. 7 p. 1.98 Sp3
Remarks at the Experiment Station Section, Association of Land-Grant Colleges and Universities, Nov. 10, 1952.

U. S. AGRICULTURAL RESEARCH ADMIN. Report of activities under the Agricultural Marketing Act, 1951/52. Washington,1952. 12 p. 1.90 R3R2932

ANIMAL INDUSTRY, BUREAU OF

SHAHAN, M. S. Foot-and-mouth disease, a threat to the United States. Washington,U. S. Bur. Anim. Indus.,1952. 11 p. Ref. 1.972 A2Sh1
Presented before the joint session of the Engineering, Epidemiology, Food and Nutrition and Laboratory Sections, Oct. 23, 1952.

U. S. BUR. OF ANIMAL INDUSTRY. Directory of U.S.R.O.P. breeders qualifying for the U. S. Register of Merit breeding stage, 1950-51. U. S. Bur. Anim. Indus. A. H. D. 122,rev.,14 p. Sept.1952. 1.9 An52An

U. S. BUR. OF ANIMAL INDUSTRY. Report, 1951/52. Washington,1952. 109 p. 1 An5A

U. S. BUR. OF ANIMAL INDUSTRY. Report of a field study on "air sac infection," period of study, June 2-13, 1952. Washington,1952. 16 p. Ref. 1.972 A2R296

U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries and dealers participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 36(sup. 1),3 p. Jan.1953. 1.9 An52Ah

WINTER, A. Report on brucellosis eradication project. Washington,U. S. Bur. Anim. Indus.,1952. 4 p. 1.972 A2W73
Presented at meeting of the United States Livestock Sanitary Association, Oct. 28-31, 1952, at Louisville, Ky.

BUDGET AND FINANCE, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF BUDGET AND FINANCE. Report, 1951/52. Washington, 1952. 53 p. 1 B85R

DAIRY INDUSTRY, BUREAU OF

ELY, R. E., and others. The effect of lindane on the flavor of milk. U. S. Bur. Dairy Indus. BDI-Inf-145,3 p. Dec.1952. 1.973 D4B34
R. W. Bell, L. A. Moore, H. D. Mann, and R. H. Carter, joint authors.

HODGSON, R. E. The cow, grass, and milk. U. S. Bur. Dairy Indus. BDI-Inf-143,15 p. Nov.1952. 1.973 A2H66

HODGSON, R. E. Feeding the modern dairy cow. U. S. Bur. Dairy Indus. BDI-Inf-146,20 p. Jan.1953. 1.973 D4B34

MCDOWELL, R. E., FOHRMAN, M. H., and LEE, D. H. K. Comparative heat tolerance of Jerseys and Red Sindhi X Jersey crosses. U. S. Bur. Dairy Indus. BDI-Inf-144,4 p. Nov.1952. 1.973 D4B34

U. S. BUR. OF DAIRY INDUSTRY. Dairy-cattle breeding studies at the Iberia Livestock Experiment Station. U. S. Bur. Dairy Indus. BDI-Inf-82,rev.,4 p. Sept.1952. 1.973 D4B34

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

BOTTGER, G. T., YERINGTON, A. P., and GERTLER, S. I. Preliminary tests of some N-substituted anisamides and esters of anisic acid as insecticides. U. S. Bur. Ent. & Plant Quar. E-852,10 p. Dec.1952. 1.9 En83

PHILLIPS, G. L., and BULGER, J. W. Analysis of methyl bromide by measurements of thermal conductivity. U. S. Bur. Ent. & Plant Quar. E-851,8 p. Jan.1953. 1.9 En83

POPHAM, W. L. Insects in relation to Southern agriculture. Washington,U. S. Bur. Ent. & Plant Quar., 1952. 5 p. 1.967 H2P81

Summary of comments at meeting of Cotton States Branch of the American Association of Economic Entomologists, Atlanta, Feb. 5, 1952.

TAYLOR, E. A., and HILLS, O. A. A wheelbarrow-type sprayer for experimental plots. U. S. Bur. Ent. & Plant Quar. ET-305,4 p. Jan.1953. 1.9 En83Et

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Controlling clothes moths and carpet beetles [Anthrenus scrophulariae] in the home. Washington,1952. 5 p. 1.967 A2C765

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Information about bee culture. U. S. Bur. Ent. & Plant Quar. E-276,rev.,10 p. Feb.1953. 1.9 En83

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Insecticidal aerosol generators, by A. H. Yeomans. Washington?1952? 5 p. 1.967 A2In75

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. List of publications of the Division of Insecticide Investigations, July 1, 1952 to December 31, 1952, by R. C. Roark. Washington,1952. 4 p. 1.9 En866P

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the French Zone of Morocco. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 444,(sup. 2),rev.,1 p. Jan.14,1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Ryukyu Islands. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 600,3 p. Jan.14,1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Report, 1951/52. Washington,1953. 84 p. 1 En86

EXPERIMENT STATIONS, OFFICE OF

TRULLINGER, R. W. Cooperative responsibilities in agricultural research. Washington,U. S. Off. Expt. Sta.,1952. 16 p. 1.912 T76

Outline of remarks before a meeting of the Farm Equipment Institute and Agricultural Research Leaders, Chicago, Dec. 16, 1952.

EXTENSION SERVICE

COLLINGS, M. L. Signposts in agricultural extension education. Washington,U. S. Ext. Serv.,1953. 7 p. 1.913 S2C69

Talk at State Home Demonstration Leaders' Workshop, Stillwater, Jan. 28, 1953.

HECKMAN, J. H. Extension's job in education on the tax problems of farmers. Washington,U. S. Ext Serv.,1952. 3 p. 1.955 A2H35

Presented at Extension Workshop on Farmers' Cooperatives, Michigan State College, Aug. 1952.

JOHNSON, E. A., and UELAND, G. A. A handbook for extension workers in food marketing. U. S. Ext. Serv., Ext. Serv. C. 485,42 p. Ref. Dec.1952. 1.9 Ex892Esc

MATTHEWS, J. L. How to develop a program. Washington,U. S. Ext. Serv.,1952. 8 p. 1.913 S2M43

Talk at the Tennessee and Virginia Annual Extension Conferences, Aug. 27 and 28, 1952.

PRINGLE, H. S. Source material and extension methods. Washington,U. S. Ext. Serv.,1952. 5 p. 1.913 A2P936

Paper presented to the National Farm Electrification Conference, Oct. 21, 1952.

REESE, M. J. A look at home demonstration work in the U. S. A., 1952. U. S. Ext. Serv. Ext. Serv. C. 483,24 p. Oct.1952. 1.9 Ex892Esc

U. S. EXTENSION SERV. "Agricultural extension" special short course, 1952, by F. P. Frutchey and C. G. Gaylord. Washington,1952. 9 p. 1.913 S2Ag8

U. S. EXTENSION SERV. Books on cooperative extension work, by A. G. Cowing. Washington,1952. 4 p. 1.913 S2B64

U. S. EXTENSION SERV. Current books that may help you on your job, by M. S. Bryant. Washington, 1952. 4 p. 1.913 A2C932

U. S. EXTENSION SERV. The Division of Agricultural Economics: its functions, activities, and organization. Washington,1952. 4 p. 1.913 A5D64

U. S. EXTENSION SERV. The house, home furnishings and equipment "send for" list. Washington, 1952. 5 p. 1.913 H3Se5

U. S. EXTENSION SERV. National inventory of extension methods of program determination. U. S. Ext. Serv. Ext. Serv. C. 477,13 p. Jan.1952. 1.9 Ex892Esc

U. S. EXTENSION SERV. Report of cooperative extension work in agriculture and home economics, 1951/52. Washington,1953. 74 p. 1 Ex892R

U. S. EXTENSION SERV. State extension specialists in health education. Washington,1952. 2 p. 1.913 N3St223

U. S. EXTENSION SERV. State extension specialists in recreation. Washington,1952. 2 p. 1.913 R3St2

U. S. EXTENSION SERV. State extension specialists in rural sociology and community development. Washington,1952. 2 p. 1.913 R2St2

U. S. EXTENSION SERV. State publications on growing Christmas trees, by A. M. Sowder. Washington, 1953. 1 p. 1.913 F2St22

U. S. EXTENSION SERV. Suggested reading list for extension workers. Washington,1952. 10 p. 1.913 A2Su393

U. S. EXTENSION SERV. Summary of questionnaire to States regarding feeder calf auction demonstration sales, sponsored or cooperated with the State extension services, by L. M. Schruben. Washington,1952. 8 p. 1.913 A5Su6

FARM CREDIT ADMINISTRATION

BYRNE, R. J., and CONYERS, L. N. Motor-truck inventory of farmer cooperatives March 31, 1951. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 168,20 p. Dec.1952. 166.3 M68

HIRSCH, D. E. Measuring the effectiveness of milk bargaining cooperatives. Washington,U. S. Farm Credit Admin.,1952. 4 p. 1.955 C2H61

Talk given at the Dairy Cooperative Marketing Clinic, National Milk Producers' Federation, Dallas, Sept. 29, 1952.

HIRSCH, D. E. Record needs of dairy cooperatives. Washington,U. S. Farm Credit Admin.,1952. 3 p. 1.955 C2H61

Talk given at the Dairy Cooperative Marketing Clinic, National Milk Producers' Federation, Dallas, Sept. 29, 1952.

HIRSCH, D. E. Role of producers' cooperatives in the marketing of fluid milk under Federal regulation in the United States. Washington,U. S. Farm Credit Admin.,1952. 4 p. 1.955 C2H61

Paper presented at International Conference of Agricultural Economists, Aug. 19, 1952.

U. S. FARM CREDIT ADMIN. Report to the national farm loan associations for the year ended June 30, 1952. Washington,1953. 34 p. 1.955 F2R29

FARMERS HOME ADMINISTRATION

U. S. FARMERS HOME ADMIN. Origin of the Farmers Home Administration and predecessor agencies. Washington,1952. 12 p. 1.949 F224

FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. Loss adjustment manual for wheat and flax. Washington,1953. 28 p. 1.952 L896

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

BURKE, J. H. Changes in Mexico's citrus industry. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 70,127 p. Jan.1953. 1.943 F763

HAGGERTY, J. J. The roots of our strength. Washington,U. S. Off. Foreign Agr. Relat.,1953. 9 p. 1.943 H12

Summary of remarks before the Annual Farmers Conference at Tuskegee Institute, Tuskegee, Ala.

HECKMAN, J. H. Trade with Canadian cooperatives. U. S. Off. Foreign Agr. Relat. Foreign Agr. Rpt. 71,20 p. Jan.1953. 1.943 F763

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Annual report, fiscal year 1951-52. Washington,1952. 7 p. 1 F752; also 1 Ag84

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. World food situation 1953. U. S. Off. Foreign Agr. Relat. WFP-1-53,35 p. Jan.30,1953. 1.943 F7625

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. World summaries of crop and livestock statistics; schedule of contents and release dates for 1953. Washington,1953. 7 p. 1.943 W896

FOREST SERVICE

BRENDER, E. V. A guide to the Hitchiti Forest Research Center. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 19,26 p. Oct.1952. 1.9622 S4St2

CAMP, H. W. Pole production in 1951. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 112,3 p. Oct.1952. 1.9622 N3R31

CHASE, C. D., and GEVORKIANTZ, S. R. Volume in tops and limbs of sawlog trees. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 390,2 p. Jan.1953. 1.9 F7625T

DEITSCHMAN, G. H., and LANE, R. D. Forest planting possibilities on Indiana coal-stripped lands. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 131,57 p. Ref. Dec.1952. 1.9622 C3T222

ERICKSON, E. C. O. Mechanical properties of laminated modified wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1639,rev.,16 p. Nov.1952. 1.9 F761R

HAMILTON, E. L., REIMANN, L. F., and ANDREWS, L. A. Shock resistant lucite graduate. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Misc. Paper 9,2 p. Sept.1952. 1.9622 C2M68

KREFTING, L. W. Deer damage to a jack pine [Pinus banksiana] plantation in Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 387,1 p. Jan.1953. 1.9 F7625T

KRYN, J. M. Gonçalo alves. Astronium fraxinifolium Schott, and Astronium graveolens Jacq., including var. Planchonianum (= A. planchonianum Engl.), family: Anacardiaceae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1934,7 p. Ref. 1952. 1.9622 S4R312

LONGWOOD, F. R. Results of improvement cutting in second-growth northern hardwoods in upper Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 386,1 p. Jan.1953. 1.9 F7625T

MCCORMACK, J. F. Forest statistics for southeast Georgia, 1952. U. S. Forest Serv. Soeast. Forest Expt. Sta. Forest Survey Release 39,38 p. Oct. 1952. 1.9622 A3F76

MARTIN, S. C. Apparent kill of persimmon [Diospyros] and Sassafras by application of 2, 4-D and 2, 4, 5-T. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 132,8 p. Dec.1952. 1.9622 C3T222

MATSON, E. E. Lumber grades from Douglas-fir [Pseudotsuga taxifolia] peeler logs. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Note 83, 5 p. Nov.1952. 1.9 F7629Fr

MAY, R. H. Forest products used in mines in California and Nevada, 1950. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 15,8 p. Nov.1952. 1.9 F7626F

MAY, R. H. Lumber production in California and Nevada, 1951. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 17,14 p. Dec. 1952. 1.9 F7626F

RALSTON, R. A. Some effects of spacing on jack pine [Pinus banksiana] development after 25 years. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 388,1 p. Jan.1953. 1.9 F7625T

ROE, E. I. Comparative height growth of native conifers in northeastern Minnesota. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 389,1 p. Jan.1953. 1.9 F7625T

SOUTHERN FOREST TREE IMPROVEMENT COMMITTEE. Suggested projects in the genetic improvement of Southern forest trees. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 20,12 p. Dec.1952. 1.9622 S4St2

SPRINGFIELD, H. W., and HOUSLEY, R. M. Chamiza for reseeding New Mexico rangelands. U. S. Forest Serv. Sowest. Forest & Range Expt. Sta. Res. Notes 122,3 p. Oct.1952. 1.9 F7621R

U. S. FOREST SERV. List of publications, articles, processed and other releases issued by Range Research during the 10-year period, 1942-51. Washington,1952. 58 p. 1.962 A2L692

U. S. FOREST SERV. Report, 1951/52; America's stake in world forestry. Washington,1953. 64 p. 1 F76

U. S. FOREST SERV. Tests of P. M. products girdling machine, by L. E. Chaiken, V. S. Jensen, R. R. Fenton, and I. H. Sims. Washington?1952. 6 p. 1.962 A2T28

U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Forest statistics of central and northern Indiana. U. S. Forest Serv. Cent. States Forest Expt. Sta. Forest Survey Release 14,29 p. Dec.1952. 1.9622 C3F76

U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Forest statistics of Indiana. U. S. Forest Serv. Cent. States Forest Expt. Sta. Forest Survey Release 15,36 p. Jan.1953. 1.9622 C3F76

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Cause and prevention of blue stain in wood. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 225,rev.,4 p. Oct.1952. 1.9 F761

U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering, Division of Forest Pathology cooperating.

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Chemical analyses of wood. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 235,rev.,3 p. Oct. 1952. 1.9 F761

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on the seasoning of wood. U. S. Forest Serv. Forest Prod. Lab. Rpt. R446, 16 p. Oct.1952. 1.9622 S4R312

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on wood preservation. U. S. Forest Serv. Forest Prod. Lab. Rpt. R704, 29 p. Nov.1952. 1.9622 S4R312

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications relating to fungus defects in forest products and to decay in trees. U. S. Forest Serv. Forest Prod. Lab. Rpt. R508,22 p. Nov. 1952. 1.9 F761R

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Weights of various woods grown in the United States. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 218,rev.,8 p. Oct.1952. 1.9 F761

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST EXPERIMENT STATION. Wind River climatological data, 1911-1950, by R. W. Steele. Portland,Oreg., 1952. 21 p. 1.9622 P2W72

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Mount Hood National Forest. Washington,1952. Map. 1 F76Mhy

Illustrations and text on back of map.

WATT, R. F. Western white pine [Pinus monticola] stands show irregular growth pattern. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 113,1 p. Nov.1952. 1.9622 N3R31

WRAY, R. D. Forest statistics for West Virginia. U. S. Forest Serv. Noeast. Forest Expt. Sta. Forest Statis. Ser. W. Va. 1,48 p. Oct.1952. 1.9622 N2F7622

ZASADA, Z. A. Reproduction on cut-over swamplands in the Upper Peninsula of Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Paper 27,15 p. Dec.1952. 1.9622 L2St2

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

U. S. INTERAGENCY COMMITTEE ON NUTRITION EDUCATION AND SCHOOL LUNCH. Description of nutrition education and school lunch activities of agencies represented on the Interagency Committee on Nutrition Education and School Lunch. Washington,U. S. Bur. Human Nutr. & Home Econ.,1952. 16 p. 1.982 A2D45

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Annual reports, 1951/52. Washington, 1952. 34 p. 1 In3R

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A case for efficient use of fertilizers and lime, by W. A. Minor and B. Crom. Washington,Sept.27, 1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The first official hog grades, by H. E. Reed and J. Towers. Washington,Sept.13,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Land Grant College Association meets, by J. Murray, M. S. Eisenhower, J. A. Hannah, and others. Washington,Nov.15,1952. 2 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The latest on weed control, by W. C. Shaw, A. O. Kuhn, and K. M. Gapen. Washington,Jan.31, 1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A look back at farming in 1952, by K. M. Gapen. Washington,Dec.27,1952. 2 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Making certified forage seed available to all, by C. S. Garrison and D. Looper. Washington,Jan.24, 1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Mechanical driers for grain crops, by L. Holman and J. Towers. Washington,Nov.1,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. New ideas in combating food waste, by C. Lewis and W. Maclinn. Washington,Oct.18,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. New ideas in tree planting, by R. Rotty and B. Bergoffen. Washington,Nov.8,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The pink bollworm [Pectinophora gossypiella] fight, by R. W. Harned and J. Towers. Washington, Sept.20,1952. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Some landmarks of Department of Agriculture history. Washington?1952. 42 p. (Document 8) 1.914 A2So5

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A Thanksgiving look at world food supplies, by F. J. Rossiter. Washington,Nov.22,1952. 2 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A tribute to Miss Gertrude Warren, by P. V. Kepner, G. L. Warren, and K. M. Gapen. Washington,Dec.13,1952. 2 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A year-end look at the strength of our land, by R. M. Salter, and K. M. Gapen. Washington,Dec. 20,1952. 3 p. 1.914 R2R11

LIBRARY

FORBES, R. D. Thatched roofs; selected references. U. S. D. A. Libr., Libr. List 56,1 p. Feb. 1953. 1.916 L612

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

COLEMAN, C. S., and others. Soil survey, Culpeper County, Virginia. U. S. Bur. Plant Indus., Soils & Agr. Engin. Soil Survey 1941(3),126 p. Nov.1952. 1 So32F

HARVEY, E. M., and others. Shipping tests with precooled Valencia oranges in half-box size fiber board cartons from southern California to New York, August and September 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin H. T. & S. Off. Rpt. 283,20 p. Dec.1952. 1.9 P772Ht

E. P. Atrops, H. W. Hruschka, and J. A. Scanlon, joint authors.

MOSEMAN, A. H. The time for research. Washington,U. S. Bur. Plant Indus., Soils & Agr. Engin., 1953. 17 p. 1.965 A2M85

Talk before meeting of the National Association of Wheat Growers, Omaha, Jan. 30, 1953.

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Progress in making available seed of improved varieties of grasses and legumes, by C. S. Garrison. Beltsville,1952? 13 p. 1.965 A2P945

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Report of the chief, 1951/52. Washington,1953. 118 p. 1 P69

WINSTON, J. R., and others. Rail refrigeration test with Florida citrus, April 1951. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 279,28 p. Sept.1952. 1.9 P772Ht

R. Cubbedge, H. W. Hruschka, and G. A. Meckstroth, joint authors.

PRODUCTION AND MARKETING ADMINISTRATION

FUCHS, V. R. Cotton linters standards—past, present, and future. Washington?U. S. Prod. & Mktg. Admin.,1952. 5 p. 1.956 C82F95

Talk at the Association of Bedding Law Officials, Chicago, Nov. 16-19, 1952.

GERDES, F. L. Quality evaluations and improvements basic to providing users of American cotton with a better product. Washington,U. S. Prod. & Mktg. Admin.,1952. 18 p. 1.9422 C2G31

Address, Third Canadian Textile Seminar, Queen's University, Kingston, Ontario, Sept. 11-13, 1952.

SHEPARD, H. H. Domestic pesticide requirements for the 1953 season. Washington,U. S. Prod. & Mktg. Admin.,1952. 9 p. 1.956 M41Sh4

Address at meeting of the National Agricultural Chemicals Association, Spring Lake, N. J., Sept. 4, 1952.

U. S. PRODUCTION AND MARKETING ADMIN. Approved methods for drawing and preparing official samples of cottonseed. Approved October, 1952. Washington,1952. 4 p. 1.956 C82Ap6

U. S. PRODUCTION AND MARKETING ADMIN. Check list of U. S. standards issued by the Fruit and Vegetable Branch (other than for processed products). Washington,1952. 3 p. 1.9 Ec74

U. S. PRODUCTION AND MARKETING ADMIN. Cheese classifications. Washington,1952. 6 p. 1.956 A22C412

U. S. PRODUCTION AND MARKETING ADMIN. Cotton supplies and price support. Washington,1952. 15 p. 1.956 A2C82

U. S. PRODUCTION AND MARKETING ADMIN. Dairy feed concentrate ration costs, butterfat prices and butterfat-feed price ratios for West North Central States, by months, 1940-52. Washington,1952. 2 p. 1.956 G76D14

U. S. PRODUCTION AND MARKETING ADMIN. The fertilizer situation for 1952-1953. Washington,1952. 5 p. 1.956 M41Si8

U. S. PRODUCTION AND MARKETING ADMIN. Fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1952 (supplement No. 4). Washington,1952. 11 p. 1.9422 C8R3

U. S. PRODUCTION AND MARKETING ADMIN. The historical development of the market news service of the United States Department of Agriculture, by M. R. Sorenson. Washington,1952. 13 p. Ref. 1.956 A2H62

U. S. PRODUCTION AND MARKETING ADMIN. List of stockyards posted under the Packer and Stockyards Act, 1921. Washington,1952. 18 p. 1.9 Ag89L

U. S. PRODUCTION AND MARKETING ADMIN. Marketing services of United States Department of Agriculture. Washington,1952. 15 p. 1.956 A2M3422

U. S. PRODUCTION AND MARKETING ADMIN. Meat scraps (55 percent protein): average wholesale price per ton, bagged, Buffalo, 1934-35 to date. Washington, 1952. 1 p. 1.956 G76M464

U. S. PRODUCTION AND MARKETING ADMIN. The national farm program: what it aims at and how it works. I. Serving the Nation in peace and war. Washington,1952. 5 p. 1.956 A2N219

U. S. PRODUCTION AND MARKETING ADMIN. Regional distribution of pesticides expressed in percentage of the quantity estimated to have been used in the crop year 1950-51. Washington,1952. 1 p. 1.956 M41R26

U. S. PRODUCTION AND MARKETING ADMIN. Report, 1951/52. Washington,1953. 130 p. 1.956 A2R29

U. S. PRODUCTION AND MARKETING ADMIN. Summary of meeting between representatives of poultry interests and USDA officials regarding USDA's statistics of the poultry industry (June 2 and 3, 1952). Washington, 1952. 7 p. 1.956 P86Su6

U. S. PRODUCTION AND MARKETING ADMIN. Summary of the principal changes being made in the Official standard grades for burley tobacco (U. S. type 31) Rev. Washington,1952. 6 p. 1.956 T55Su62

U. S. PRODUCTION AND MARKETING ADMIN. Trends in packaging materials and equipment for dry edible beans and related commodities. Washington,1952. 45 p. 1.956 G76T72

U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for cauliflower. Washington,1952. 3 p. 1.9 M344Ca

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned mushrooms. Washington,1952. 11 p. 1.9 Ec792Mu
Supersedes standards in effect since May 15, 1941.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of frozen mixed vegetables. Washington,1952. 11 p. 1.956 F94Un34

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of fruit preserves (or jams). Washington,1952. 17 p. 1.9422 Fr5P92
Supersedes standards in effect since March 14, 1949.

U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for shelled almonds. Washington,1952. 9 p. 1.956 A2Un359

U. S. PRODUCTION AND MARKETING ADMIN. Weighted average prices of gum naval stores for years 1951 and 1952. Savannah,1953. 3 p. 1.956 A2W42

RURAL ELECTRIFICATION ADMINISTRATION

SHEPPERD, R. Background and objectives of new REA organization. Washington,U. S. Rur. Electrif. Admin.,1952. 5 p. 1.933 Sh4
Address at NRECA regional meeting, French Lick, Ind., Sept. 25, 1952.

U. S. RURAL ELECTRIFICATION ADMIN. Report, 1951/52. Washington,1952. 40 p. 173.2 R88A

U. S. RURAL ELECTRIFICATION ADMIN. Working outline on educational and recreational uses of electricity, by L. Mamer. Washington,1952. 14 p. 1.933 W894

WICKARD, C. R. Progress of the REA programs. Washington,U. S. Rur. Electrif. Admin.,1953. 4 p. 1.91 A2W63
Address at convention of National Rural Electric Cooperative Association, Jan. 26, 1953, San Francisco.

SECRETARY, OFFICE OF

MCCORMICK, C. J. The farmer's own role. Washington,U. S. D. A., Off. Sec.,1952. 9 p. 1.91 A2M132
Talk before the Midwest Regional Conference of PMA Committeemen at Chicago, Nov. 12, 1952.

MCCORMICK, C. J. Progress in agriculture. Washington,U. S. D. A., Off. Sec.,1952. 11 p. 1.91 A2M132
Talk at 4th National Mechanical Corn-Picking Contest, Rushville, Ind., Oct. 18, 1952.

MCCORMICK, C. J. Your farm, your family, your future. Washington,U. S. D. A., Off. Sec.,1952. 13 p. 1.91 A2M132
Talk at State convention of Farmers Union, Mitchell South Dakota, Oct. 9, 1952.

U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. Report of the Secretary of Agriculture, 1952. Washington,1952. 43 p. 1 Ag84A

SOIL CONSERVATION SERVICE

BROWN, C. B. Flood prevention. Washington, U. S. Soil Conserv. Serv.,1952. 8 p. 1.96 Ad6Br
Paper at meeting of the American Society of Agricultural Engineers, Chicago, Dec.15-17, 1952.

QUACKENBUSH, T. H. Irrigation problems in SCS operations. Washington,U. S. Soil Conserv. Serv., 1952. 3 p. 1.96 Ad2Q2

SWAN, H. J. Conservation news—how, when, where, and why to obtain it. Washington?U. S. Soil Conserv. Serv.,1952. 8 p. 1.9607 Sw2
Presented at the State-wide Wyoming Conservation Meeting, Sept. 8-10, 1952, Casper, Wyoming.

U. S. SOIL CONSERVATION SERV. Designation, office address, members and officers of State soil conservation committe, board, or commission established by State soil conservation districts law as an agency of the State. Washington,1952. 7 p. 1.96 B96D

U. S. SOIL CONSERVATION SERV. Report, 1951/52. Washington,1952. 78 p. 1.6 So3R

U. S. SOIL CONSERVATION SERV. Summary of problems and progress in soil conservation in thirteen southern States. Washington,1952. 5 p. 1.96 Ad6Summ

U. S. SOIL CONSERVATION SERV. PACIFIC REGION. Soil conservation survey guide, Pacific Region. Rev. Portland,Oreg.,1952. 39 p. 1.9609 So323

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Contour fencing. U. S. Soil Conserv. Serv. Upper Miss. Region JS-29,2 p. Nov.1952. 1.9605 J11

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Fifteen farmers find the answer, by C. W. Gee. Milwaukee,1952. 25 p. 1.6 So39F

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Judging land for soil conservation, by H. E. Grogger and A. B. Foster. Milwaukee,1952. 14 p. 1.6 So39J

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Pave your waterways with grass. U. S. Soil Conserv. Serv. Upper Miss. Region. JS-7,2 p. Jan.1952. 1.9605 J11

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Report of strip cropping observations in Iowa, by H. H. Gardner. n.p.,1952. 4 p. 1.9605 R293

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Spring development for livestock use. U. S. Soil Conserv. Serv. JS-28,2 p. Nov.1952. 1.9605 J11

VAN DERSAL, W. R. A major move in wildlife conservation. Washington?U. S. Soil Conserv. Serv., 1952. 10 p. 1.9609 V28
Presented at the 1952 Sportsmen's Jamboree, Bonneville County, Idaho, Feb. 16, 1952.

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

NICHOL, A. A. The natural vegetation of Arizona. Ariz. Agr. Expt. Sta. Tech. B. 127:185-230. June 1952. 100 Ar4
Revision of Technical Bulletin 68, by W. S. Phillips.

Arkansas Agricultural Experiment Station, Fayetteville

MCLEAN, E. O., BROWN, D. A., and HAWKINS, C. A. Comparative evaluation studies on rock and superphosphate. Ark. Agr. Expt. Sta. B. 528,29 p. Ref. Nov. 1952. 100 Ar42

WARE, J. O., WADDLE, B. A., and JACKS, J. F. Northeast Arkansas cotton variety test for 1952. Ark. Agr. Expt. Sta. Mimeog. Ser.10,2 p. Dec.1952. 100 Ar42M

YORK, J. O. Corn performance tests, 1952. Ark. Agr. Expt. Sta. Mimeog. Ser.11,21 p. Jan.1953. 100 Ar42M

ARKANSAS farm research 1(4),12 p. Winter 1952. 100 Ar42F

California Agricultural Experiment Station, Berkeley

CLARKE, D. A. Pricing intermarket transfers of bulk grade A cream and skim milk. Calif. Agr. Expt. Sta. B. 732,30 p. Nov.1952. 100 C12S

CALIFORNIA agriculture 6(12),16 p. Dec. 1952. 100 C12Cag

Colorado Agricultural Experiment Station, Fort Collins

FARM and home research 3(4),10 p. Nov./Dec. 1952. 100 C712Co

Connecticut (State) Agricultural Experiment Station, New Haven

SWANBACK, T. R., and ANDERSON, P. J. Fertilizer placement for Connecticut tobacco. Conn. (State) Agr. Expt. Sta. B. 561,10 p. Nov.1952. 100 C76St

JONES, D. F., and others. Sweet and field corn report, Mt. Carmel and Windsor, Connecticut, 1952. Conn. (State) Agr. Expt. Sta. Rpt. Prog. 52G1,8 p. Jan.15, 1953. 100 C763S
H. T. Stinson, D. B. Walden, and A. P. Munson, joint authors.

Florida Agricultural Experiment Station, Gainesville

DICKEY, R. D., GILBERT, G., and GROPP, C. M. The genus Aleurites in Florida: I. Botanical characteristics; II. Chemical and physical characteristics of the oils. Fla. Agr. Expt. Sta. B. 503,40 p. Oct.1952. 100 F66S

VOLK, G. M. Know your fertilizers. Fla. Agr. Expt. Sta. B. 506,24 p. Nov.1952. 100 F66S

GODWIN, M. R. Customer response to varying prices for Florida oranges. Fla. Agr. Expt. Sta. B. 508, 24 p. Dec.1952. 100 F66S

CHAPMAN, W. H. Floriland oats. Fla. Agr. Expt. Sta. C. S-53,8 p. Nov.1952. 100 F66Ci

WEST, E. Perizoma, a potential weed pest. Fla. Agr. Expt. Sta. C. S-54,4 p. Dec.1952. 100 F66Ci

Georgia Agricultural Experiment Station, Experiment

FUTRAL, J. G. Peanut fertilizers and amendments for Georgia. Ga. Agr. Expt. Sta. B. 275,13 p. Feb.1952. 100 G295

LEBEDEFF, G. A., and others. Summary of corn performance tests in north Georgia. Ga. Agr. Expt. Sta. Press B. 642,3 p. Jan.1953. 100 G29P

Hawaii Agricultural Experiment Station, Honolulu

HAWAII farm science 1(4),8 p. Jan.1953. 100 H314

Idaho Agricultural Experiment Station, Moscow

JOHNSON, R. F., RINEHART, E. F., and HICKMAN, C. W. A system of wintering, pasturing and finishing beef calves for Idaho. Idaho. Agr. Expt. Sta. B. 292,12 p. Dec.1952. 100 Id1

IDAHO. AGRICULTURAL EXPERIMENT STATION. Agricultural research for Idaho. Idaho. Agr. Expt. Sta. C. 121,8 p.-folder. Dec.1952. 100 Id1

HELTON, A. W. Curative and preventive methods of controlling fruit diseases. I. Brambles. Idaho. Agr. Expt. Sta. Mimeog. L. 122,8 p. Jan.1953. 100 Id12

HELTON, A. W. Curative and preventive methods of controlling fruit diseases. II. Bush fruits and grapes. Idaho. Agr. Expt. Sta. Mimeog. L. 123,5 p. Jan. 1953. 100 Id12

HELTON, A. W. Curative and preventive methods of controlling fruit diseases. III. Strawberries. Idaho. Agr. Expt. Sta. Mimeog. L. 124,6 p. Jan.1953. 100 Id12

HELTON, A. W. Curative and preventive methods of controlling fruit diseases. IV. Pome fruits. Idaho. Agr. Expt. Sta. Mimeog. L. 125,10 p. Jan.1953. 100 Id12

HELTON, A. W. Curative and preventive methods of controlling fruit diseases. V. Stone fruits. Idaho. Agr. Expt. Sta. Mimeog. L. 126,10 p. Jan.1953. 100 Id12

HELTON, A. W. Curative and preventive methods of controlling fruit diseases. VI. The value of certification. Idaho. Agr. Expt. Sta. Mimeog. L. 127,3 p. Jan.1953. 100 Id12

Indiana Agricultural Experiment Station, Lafayette

INDIANA. AGRICULTURAL EXPERIMENT STATION. Progress of agricultural research in Indiana; sixty-fifth annual report. Lafayette,1952. 167 p. 100 In2P

Iowa Agricultural Experiment Station, Ames

TIMMONS, J. F. Improving farm rental arrangements in Iowa. Iowa. Agr. Expt. Sta. Res. B. 393: 55-139. Jan.1953. 100 Io9

IOWA. AGRICULTURAL EXPERIMENT STATION. New findings for farm folk; for the two years July 1, 1949 to June 30, 1951. II. Ames,1952? 32 p. 100 Io9

Kentucky Agricultural Experiment Station, Lexington

THOMPSON, J. F. Inter-farm and inter-area shifts in burley tobacco acreages under government control programs, 1933-50. Ky. Agr. Expt. Sta. B. 590,79 p. June 1952. 100 K41

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

DUGAS, A. L., CONCIENNE, E. J., and SANDERS, C. Sugarcane borer [Diatraea saccharalis] overwintering population and mortality survey, and outlook for 1952. La. Agr. Expt. Sta. Dept. Ent. Spec. Release Insect Cond. 1,9 p. Mar.4,1952. 423.9 L93S

QUINN, O. B., and BAKER, C. K. Marketing strawberries through the Louisiana Fruit and Vegetable Producers' Union, Local 312, in 1952. La. Agr. Expt. Sta. Mimeog. C. 141,14 p. Aug.1952. 100 L935

QUINN, O. B., and GILE, B. M. Processing sugar cane through farmers' cooperative associations in Louisiana. La. Agr. Expt. Sta. Mimeog. C. 145,11 p. Dec.1952. 100 L935

MCNEIL, J. D., and STANLEY, F. E. Organizational problems on small farms in north Louisiana upland cotton area. La. Agr. Expt. Sta. Mimeog. C. 147, 28 p. Jan.1953. 100 L935

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Sugarcane insect investigations, 1951, by A. L. Dugas, E. J. Concienne, and C. Sanders, Baton Rouge? 1952. 30 p. 423.9 L93S

Maine Agricultural Experiment Station, Orono

METZGER, H. B. Milk supply areas and producer price relationships in Maine markets. Maine. Agr. Expt. Sta. B. 503,124 p. May 1952. 100 M28S

MERCHANT, C. H. Quality of cut seed potatoes. Maine. Agr. Expt. Sta. Mimeog. Rpt. 31,13 p. Jan. 1953. 100 M28M

TREVETT, M. F., and CUNNINGHAM, C. E. A guide for the use of chemical weed killers. Maine. Agr. Expt. Sta. Mimeog. Rpt. 32,16 p. Jan.1953. 100 M28M

BONDE, R., and PEIKERT, F. Potato spray experiments in 1952 with low-gallonage high concentration equipment. Maine. Agr. Expt. Sta. Mimeog. Rpt. 33,11 p. Jan.1953. 100 M28M

NIELSEN, K. F., CARPENTER, P. N., and AKELEY, R. V. Potato variety trial results. Maine. Agr. Expt. Sta. Mimeog. Rpt. 34,9 p. Jan.1953. 100 M28M

MAINE. AGRICULTURAL EXPERIMENT STATION. Potato tax research. Maine. Agr. Expt. Sta. Misc. P. 621,15 p. Jan.1953. 100 M28C

Massachusetts Agricultural Experiment Station, Amherst

MASSACHUSETTS. FERTILIZER CONTROL SERV. Inspection of commercial fertilizers and agricultural lime products. Mass. Agr. Expt. Sta. Control Ser. B. 154,16 p. Aug.1952. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

KRAMER, R. C. Retailing prepackaged meat; the effect on sales and labor costs. Mich. Agr. Expt. Sta. Spec. B. 385,27 p. Nov.1952. 100 M58S

QUARTERLY bulletin 35:143-276. Nov.1952. 100 M58S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

THOMAS, H. L., and others. Clovers for Minnesota. Minn. Agr. Expt. Sta. B. 415,27 p. June 1952. 100 M66

E. R. Duncan, M. F. Kernkamp, A. G. Peterson, and A. R. Schmid, joint authors.

ALDERMAN, W. H., and others. Meteor cherry. Minn. Agr. Expt. Sta. Misc. Rpt. 16,3 p. Dec.1952. 100 M66

W. G. Brierley, T. S. Weir, A. N. Wilcox, R. C. Blake, K. W. Hanson, and L. C. Snyder, joint authors.

Mississippi Agricultural Experiment Station, State College

GAINES, J. P., and DAVIS, J. F. Electricity on farms in the Clay Hills Area of Mississippi. Miss. Agr. Expt. Sta. B. 493,42 p. Aug.1952. 100 M69

JUDSON, G. M., and SWITZER, G. L. Timber products marketing in northeast Mississippi. Miss. Agr. Expt. Sta. B. 494,24 p. Oct.1952. 100 M69

MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. 1953 crop and fertilizer recommendations for Mississippi. Miss. Agr. Expt. Sta. C. 176,14 p. Nov.1952 100 M69

MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. 65th annual report, fiscal year ending June 30, 1952. State College,1952? 91 p. 100 M69

MISSISSIPPI farm research 15(12),8 p.;16(1), 8 p. Dec.1952-Jan.1953. 100 M69Mi

Missouri Agricultural Experiment Station, Columbia

BEASLEY, R. P. Characteristics of farm ponds as affected by topography and design. Mo. Agr. Expt. Sta. B. 566,33 p. Jan.1952. 100 M693

DECKER, W. L. Monthly precipitation in Missouri; climatic atlas of Missouri, No. 1. Mo. Agr. Expt. Sta. B. 572,80 p. Mar.1952. 100 M693

NORTH CENTRAL FARM MANAGEMENT COMMITTEE. OBSTACLES TO CONSERVATION SUBCOMMITTEE. Obstacles to conservation on Midwestern farms. Mo. Agr. Expt. Sta. B. 574,58 p. Mar.1952. 100 M693

Land Tenure Research Committee cooperating.

BURNS, P. Y., and NICHOLS, J. M. Oak pruning in the Missouri Ozarks. Mo. Agr. Expt. Sta. B. 581, 8 p. Apr.1952. 100 M693

CHRYST, W. E., and MILLER, F. Assessment of property for tax purposes in Missouri. Mo. Agr. Expt. Sta. Res. B. 490,22 p. Feb.1952. 100 M693

ROBERTS, W. W., and HEMPHILL, D. D. Weed control in horticultural crops. 1. Chemical weed control in strawberries. Mo. Agr. Expt. Sta. Res. B. 491,33 p. Ref. Mar.1952. 100 M693

PALMER, A. Z., and others. Deterioration in frozen pork as related to fat composition, storage temperature, length of storage period and packaging treatment. Mo. Agr. Expt. Sta. Res. B. 492,67 p. Ref. Apr.1952. 100 M693

D. E. Brady, H. D. Naumann, and L. N. Tucker, joint authors.

Nebraska Agricultural Experiment Station, Lincoln

LOWREY, G. W., and EHLERS, P. L. Fertilizer experiments with corn in central and eastern Nebraska. Nebr. Agr. Expt. Sta. Outstate Testing C. 27, 22 p. Dec.1952. 100 N27O

Nevada Agricultural Experiment Station, Reno

MCCORMICK, J. A., and NAPHAN, E. A. Improving saline and alkali soils in Nevada. Nev. Agr. Expt. Sta. C. 1,11 p. Aug.1952. 100 N41S

New Jersey Agricultural Experiment Station, New Brunswick

NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. Lipman Hall; being an account of the proceedings at the dedication on June 12th, 1951, of a building named in honor of Jacob Goodale Lipman together with a review of fifty years of progress in three departments which grew up under his guidance at the New Jersey Agricultural Experiment Station, Rutgers University, The State University of New Jersey. Binghamton,N. Y.,1952. 107 p. 56 N46

New Mexico Agricultural Experiment Station, State College

FAULKNER, L. R. Hemipterous insect pests; their occurrence and distribution in principal cotton producing areas of New Mexico. N. Mex. Agr. Expt. Sta. B. 372,25 p. Aug.1952. 100 N465

BERRY, L. N. Management systems for pullets hatched in different months. N. Mex. Agr. Expt. Sta. B. 373,9 p. Nov.1952. 100 N465

HALL, C. R. Marketing New Mexico vegetables. N. Mex. Agr. Expt. Sta. Press B. 1075,26 p. Dec. 1952. 100 N465

New York (Cornell) Agricultural Experiment Station, Ithaca

BRIGHT, M. L., and HAY, D. G. Health resources and their use by rural people: Ulster County. N. Y. (Cornell) Agr. Expt. Sta. Dept. Rur. Sociol. Mimeog. B. 32,30 p. July 1952. 100 N48Cm

HAY, D. G., and BRIGHT, M. L. Health resources and their use by rural people in Clinton County, New York, 1951. N. Y. (Cornell) Agr. Expt. Sta. Dept. Rur. Sociol. Mimeog. B. 33,31 p. Aug.1952. 100 N48Cm

New York (State) Agricultural Experiment Station, Geneva

GLASS, E. H., and CHAPMAN, P. J. The red-banded leaf roller [Argyrotaenia velutinana] and its control. N. Y. (State) Agr. Expt. Sta. B. 755,42 p. Ref. Oct. 1952. 100 N48

PALMITER, D. H. Rust diseases of apples and their control in the Hudson Valley. N. Y. (State) Agr. Expt. Sta. B. 756,26 p. Nov.1952. 100 N48

FARM research 19(1), 16 p. Jan. 1953. 100 N48A

North Dakota Agricultural Experiment Station, State College Station, Fargo

WIIDAKAS, W., THOMASSON, G., and WIDDIFIELD, R. B. 1952 hybrid corn field trials. N. Dak. Agr. Expt. Sta. Agron. Mimeog. C. 85,21 p. Jan. 1953. 100 N813A

NORTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. Annual report 1951/52. N. Dak. Agr. Expt. Sta. B. 380,31 p. Dec.1952. 100 N813

Ohio Agricultural Experiment Station, Wooster

OHIO. AGRICULTURAL EXPERIMENT STATION. Farm science and practice; 70th annual report, 1950/51. Ohio. Agr. Expt. Sta. B. 725,123 p. Jan.1953. 100 Oh3S

HENNING, G. F., and EVANS, M. B. Financing of feeder livestock in Ohio. Ohio. Agr. Expt. Sta. Res. B. 712,24 p. Dec.1952. 100 Oh3S

BLOSSER, R. H. Factors affecting crop production and farm income for a Miami soil association in Ohio. Ohio. Agr. Expt. Sta. Res. B. 713,29 p. Dec.1952. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

DAVIES, F. F., and SIEGLINGER, J. B. Dwarf kafir 44-14 and Redlan, two new combine-type grain sorghums. Okla. Agr. Expt. Sta. B. B-384,11 p. June 1952. 100 Ok4

CAMPBELL, J. D. One-variety cotton in Oklahoma. Okla. Agr. Expt. Sta. B. B-386,19 p. Sept. 1952. 100 Ok4

BROOKS, J. S., PASS, H., and SMITH, J. W. Hybrid corn strains recommended for 1953. Okla. Agr. Expt. Sta. B. B-389,4 p. Jan.1953. 100 Ok4

PASS, H., BROOKS, J. S., and SMITH, J. W. Performance tests of corn varieties and hybrids, 1952. Okla. Agr. Expt. Sta. Misc. P. MP-29,23 p. Jan.1953. 100 Ok4

MAHONEY, G. W., NELSON, G. L., and FRYREAR, J. I. Building a home that fits your needs. Okla. Agr. Expt. Sta. Plan 14,16 p.-folder. May 1952. 296.9 Ok4

MAHONEY, G. W., NELSON, G. L., and FRYREAR, J. I. Building the cattle shelter. Okla. Agr. Expt. Sta. Plan 15,16 p.-folder. Nov.1952. 296.9 Ok4

THOMPSON, R. B., and others. Building a 32 ft. x 32 ft. poultry house. Okla. Agr. Expt. Sta. Plan 16,16 p.-folder. Dec.1952. 296.9 Ok4

G. W. A. Mahoney, G. L. Nelson, and J. I. Fryrear, joint authors.

CURRENT farm economics, Oklahoma; 1953 annual outlook issue 25:93-123. Dec.1952. 100 Ok4

Oregon Agricultural Experiment Station, Corvallis

HYER, E. A., and BECKER, M. H. An economic study of improved pastures. Oreg. Agr. Expt. Sta. B. 520, 35 p. Aug.1952. 100 Or3

ROWE, G. A. Economics of cheese manufacturing in Tillamook County, Oregon. Oreg. Agr. Expt. Sta. B. 529,31 p. Dec.1952. 100 Or3

PAGE, G. E. Potato combine survey. Oreg. Agr. Expt. Sta. C. Inform. 519,27 p. Dec.1952. 100 Or3C

WU, S. H., ELLIKER, P. R., and MCKENZIE, F. F. The effect of Escherichia coli on the semen of bulls, rams and rabbits. Oreg. Agr. Expt. Sta. Tech. B. 27,32 p. Ref. Jan.1953. 100 Or3S

Pennsylvania Agricultural Experiment Station, State College

PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; supplement 1 to the 65th annual report. Pa. Agr. Expt. Sta. B. 553 (sup. 1),11 p. Dec.1952. 100 P381

South Dakota Agricultural Experiment Station, Brookings

WIERSMA, J. L. ABC's of sprinkler irrigation S. Dak. Agr. Expt. Sta. C. 95,31 p. May 1952. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

TENNESSEE. AGRICULTURAL EXPERIMENT STATION. Tennessee farm and home science. Progress report No. 4, 12 p. Oct./Dec.1952. 100 T25F

Texas Agricultural Experiment Station, College Station

THOMAS, K., PACE, J. K., and WHITACRE, J. Effects of enrichment on the thiamine, riboflavin and niacin of corn meal and grits as prepared for eating. Tex. Agr. Expt. Sta. B. 753,30 p. Ref. Oct.1952. 100 T31S

FUDGE, J. F., and OGIER, T. L. Analyses of commercial fertilizers sold during 1951-52. Tex. Agr. Expt. Sta. B. 755,65 p. Oct.1952. 100 T31S

REA, H. E. Control of weed and grass seedlings in old cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1511, 2 p. Dec.2,1952. 100 T31P

SKRABANEK, R. L. Trends in rural education in Texas, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1513, 3 p. Dec.2,1952. 100 T31P

MOHR, H. C., and CAIN, R. F. Pickling cucumber variety trials at College Station, 1950-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1514,3 p. Dec.4,1952. 100 T31P

YOUNG, P. A. Yield and resistance to fruit cracking of tomato varieties in East Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1515,5 p. Dec.8,1952. 100 T31P

REA, H. E. Post-emergence effects of N-1-naphthyl phthalamic acid and its derivatives on cotton and certain weeds. Tex. Agr. Expt. Sta. Prog. Rpt. 1517,2 p. Dec.12,1952. 100 T31P

MCAFEE, T. E., and others. Summary of the 1952 Texas corn performance tests. Tex. Agr. Expt. Sta. Prog. Rpt. 1518,7 p. Dec.12,1952. 100 T31P

J. W. Collier, J. S. Rogers, and J. M. Latham, joint authors.

BALTENSPERGER, A. A., and DUDLEY, D. I. Denton cotton variety tests, 1948-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1519,3 p. Dec.13,1952. 100 T31P

Utah Agricultural Experiment Station, Logan

FARM & home science 13:73-100. Dec.1952. 100 Vt1F

Washington Agricultural Experiment Station, Pullman

MOORE, J. F., and ALLMENDINGER, D. F. Variety and cultural studies with green sprouting broccoli in western Washington. Wash. Agr. Expt. Sta. B. 539,14 p Dec.1952. 100 W27E

FISCHER, G. W. Graminicolous smuts of North America. Century III. Wash. Agr. Expt. Sta. C. 209,34 p. Jan.1953. 100 W27S

WASHINGTON. AGRICULTURAL EXPERIMENT STATION. They help find better wheats; the story of the Western Wheat Quality Laboratory. Wash. Agr. Expt. Sta. C. 210,8 p. Jan.1953. 100 W27S

Wisconsin Agricultural Experiment Station, Madison

WISCONSIN. AGRICULTURAL EXPERIMENT STATION. What's new in farm science. I. Sixty-seventh and sixty-eighth annual reports for the years ending June 30, 1950 and 1951. Wis. Agr. Expt. Sta. B. 496,111 p. Jan.1952. 100 W75

WEBB, R. E., LARSON, R. H., and WALKER, J. C. Relationships of potato leaf roll virus strains. Wis. Agr. Expt. Sta. Res. B. 178,40 p. Ref. Sept.1952. 100 W75

Wyoming Agricultural Experiment Station, Laramie

WYOMING. AGRICULTURAL EXPERIMENT STATION. Science in agriculture, report 62, 1951-52. Laramie,1952. 19 p. 100 W99

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

ALASKA University (Division of Agriculture and Home Economics) Extension Service, College

ABBOTT, I. W. Gardening in Alaska. Alaska. U. Agr. Ext. B. 451,rev.,17 p. Apr.1952. 275.29 AL13Eb

FOHN-HANSEN, L. Furs for fifty [degrees] below. Alaska. U. Agr. Ext. B. C-33,19 p. 1952? 275.29 AL13B

FOHN-HANSEN, L. Homemade fun for Christmas. Alaska. U. Agr. Ext. B. D-1,26 p. Nov.1952. 275.29 AL13B

FOHN-HANSEN, L. Favorite recipes for potatoes. Alaska. U. Agr. Ext. B. F-10,17 p. n.d. 275.29 AL13B

FOHN-HANSEN, L. Company pies. Alaska. U. Agr. Ext. B. F-44,7 p. n.d. 275.29 AL13B

FOHN-HANSEN, L. More vegetables please! Alaska. U. Agr. Ext. B. F-45,30 p. n.d. 275.29 AL13B

ALASKA. UNIVERSITY. DIV. OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Alaska mushrooms. Alaska. U. Agr. Ext. B. F-46,8 p. Aug.1952. 275.29 AL13B

ARIZONA University, College of Agriculture, Agricultural Extension Service, Tucson

SELF, E., and others. Guide posts in buying household equipment. Ariz. Agr. Col. Ext. C. 207,7 p. Dec.1952. 275.29 Ar42

RAY, H. E. Fertilizer recommendations for Arizona, 1953. Ariz. Agr. Col. Ext. C. 208,7 p. Dec.1952. 275.29 Ar42

CALIFORNIA University, College of Agriculture, Agricultural Extension Service, Berkeley

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Freestone peach management study, Solano County; third annual report crop year 1952, by B. B. Burlingame. Berkeley? 1952? 8 p. 275.29 C12En

CONNECTICUT University, College of Agriculture, Agricultural Extension Service, Storrs

BUSCHNER, F. A., and EASTERBROOKS, H. L. Brucellosis in cattle. Conn. Agr. Col. Ext. Folder 60,8 p. May 1952. 275.29 C76Ex

TUNIS, W. D., GARMAN, P., and STODDARD, E. M. 1953 spray guide for apples. Conn. Agr. Col. Ext. MP-2,3 p. Dec.1952. 275.29 C76Ap

TUNIS, W. D., GARMAN, P., and STODDARD, E. M. 1953 spray guide for peaches. Conn. Agr. Col. Ext. MP-3,2 p. Dec.1952. 275.29 C76Pe

TUNIS, W. D., GARMAN, P., and STODDARD, E. M. 1953 spray guide for pears. Conn. Agr. Col. Ext. MP-4,2 p. Dec.1952. 275.29 C76Ps

DELAWARE University, School of Agriculture, Extension Service, Newark

MOSER, R. E., and others. Farmer's 1952 income tax. Del. U. Agr. Ext. B. 57,28 p. Nov.1952. 275.29 D37

P. L. Putnam, V. B. Hart, and E. P. Callahan, joint authors.

PEARCE, R. How to make your own draperies. Del. U. Agr. Ext. B. 59,14 p. Apr.1952. 275.29 D37

DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Fertilize for 100 bushels. Del. U. Agr. Ext. Folder 27,rev.,8 p. Jan.1953. 275.29 D37W

DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. We're joining a 4-H Club. Del. U. Agr. Ext. Folder 28,4 p. Apr.1952. 275.29 D37W

DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Delaware's home demonstration program serves you. Del. U. Agr. Ext. Folder 29, 4 p. Apr.1952. 275.29 D37W

MCALLISTER, W. T. Corn, store it or sell it. Del. U. Agr. Ext. Folder 30,6 p. Oct.1952. 275.29 D37W

DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Fertilizers for Delaware. Del. U. Agr. Ext. Folder 37,8 p. Dec.1952. 275.29 D37W

DELAWARE. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Guide for officers of extension groups. Del. U. Agr. Ext. Mimeog. C. 77,12 p. Jan.1952. 275.29 D37M

MCALLISTER, W. T. Farm labor—how to get and keep it. Del. U. Agr. Ext. Mimeog. C. 78,rev.,6 p. Mar.1952. 275.29 D37M

FLORIDA University, College of Agriculture, Agricultural Extension Service, Gainesville

WATKINS, J. V. Daylilies [Hemerocallis] in Florida. Fla. Agr. Col. Ext. C. 106,11 p. Aug.1952. 275.29 F66C

A revision of Circular 88.

SWANSON, L. E., and GOEN, O. F. Screwworms [Callitroga americana] and their control. Fla. Agr. Col. Ext. C. 107,4 p. Sept.1952. 275.29 F66C

GOEN, O. F., and JOHNSON, J. M. A calf creep. Fla. Agr. Col. Ext. C. 108,6 p.-folder. Sept.1952. 275.29 F66C

FLORIDA. UNIVERSITY. COLLEGE OF AGRICUTURE. AGRICULTURAL EXTENSION SERV. Eggplant production guide. Fla. Agr. Col. C. 109,6 p.-folder. Sept. 1952. 275.29 F66C

GOEN, O. F., and PETTIS, A. M. Electric pig brooders. Fla. Agr. Col. Ext. C. 110,8 p. Nov.1952. 275.29 F66C

GEORGIA University, College of Agriculture, Agricultural Extension Service, Athens

GEORGIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Fertilizer recommendations for Georgia. Ga. Agr. Col. Ext. C. 371,6 p.-folder. Dec.1952. 275.29 G29C

HAWAII University, Agricultural Extension Service, Honolulu

RADA, E. L. Mainland market for taro products. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 13,16 p. Ref. Dec.1952. 275.29 H312Ae

A preliminary study.

ECKERT, J. E., and BESS, H. A. Fundamentals of beekeeping in Hawaii. Hawaii. U. Agr. Ext. B. 55, 58 p. June 1952. 275.29 H312E

BESS, H. A., SHERMAN, M., and MITCHELL, W. C. Plant, poultry and livestock pests and their control Hawaii. U. Agr. Ext. B. 57,46 p. Dec.1952. 275.29 H312E

KANSAS State College of Agriculture and Applied Science, Extension Service, Manhattan

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV Outline for landscaping the farm home grounds. Manhattan,1952. 2 p. 275.2 K410

KENTUCKY University, College of Agriculture and Home Economics, Extension Service, Lexington

FERGUS, E. N. Kentucky 31 fescue—culture and use. Ky. Agr. Col. Ext. C. 497,16 p. Sept.1952. 275.29 K415

KENTUCKY. UNIVERSITY. COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. What's the outlook? For Kentucky agriculture in 1953. Ky. Agr. Col. Ext. L. 136,23 p. n.d. 275.29 K415Le

MASSACHUSETTS University, School of Agriculture, Extension Service, Amherst

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Publications for farm and home. Mass. U. Agr. Ext. L. 104,rev.,8 p. Nov. 1952. 275.29 M381L

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Apple sorters' manual: practical grade interpretations based upon United States grades for apples, by E. Cole. Amherst?1952. 16 p. 275.2 M38As

MINNESOTA University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

KIRCHNER, C. Backgrounds for your home. Minn. U. Agr. Ext. B. 270,12 p. June 1952. 275.29 M66S

KIRCHNER, C. Refinishing your furniture. Minn. U. Agr. Ext. B. 271,7 p. June 1952. 275.29 M66S

LOOMIS, E. Y., DANKERS, W. H., and COOKE, C. E. Know the eggs you buy. Minn. U. Agr. Ext. Folder 174,6 p. Dec.1952. 275.29 M66Ex

CLELAND, S. B. 1953 livestock outlook. Minn. U. Agr. Ext. Pam. 186,8 p.-folder. Dec.1952. 275.29 M66P

NEW JERSEY State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

NEW JERSEY. STATE COLLEGE OF AGRICUTURE AND MECHANIC ARTS. EXTENSION SERV. A box from home. N. J. Agr. Col. Ext. L. 98,8 p. Oct. 1952. 275.29 N46L

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. Blueberry insect and disease control chart, 1952, by C. A. Doehlert, M. T. Hutchinson, and A. C. Goheen. New Brunswick,1952? 275.29 N46BL

NEW YORK State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

SALTONSTALL, L. Hay and pasture seedings for '53. N. Y. Agr. Col. Cornell Ext. B. 781,rev.,6 p.-folder. Jan.1953. 275.29 N48E

FERTIG, S. N. '53 weed control in field crops. N. Y. Agr. Col. Cornell Ext. B. 821,rev.,6 p.-folder. Jan. 1953. 275.29 N48E

HOFF, P. R., and HURD, L. M. Permanent brooder houses. N. Y. Agr. Col. Cornell Ext. B. 865,24 p Jan.1953. 275.29 N48E

EDGERTON, L. J. Peach growing. N. Y. Agr. Col. Cornell Ext. B. 869,39 p. Jan.1953. 275.29 N48E

HART, V. B., and KENDRICK, M. S. 1952 income-tax returns suggestions for farmers. N. Y. Agr. Col. Cornell Ext. B. 874,32 p. Nov.1952. 275.29 N48E

CAREW, J., and WIEBE, J. Newer vegetable varieties for 1953. N. Y. Agr. Col. Cornell Ext. B. 880, 8 p. Jan.1953. 275.29 N48E

PALMER, E. L., and GORDON, E. L. Teachers' number, Cornell Rural School Leaflet. N. Y. Agr. Col. Ext. Cornell Rur. School L. 46(1),64 p. Fall 1952. 275.29 N48R

NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Potato insect & disease control recommendations. Ithaca?1952. 1 p. 275.29 N48Pi

NORTH DAKOTA Agricultural College, Extension Service State College Station, Fargo

GOODFELLOW, V. V. Fight stem rust; destroy rust-spreading barberry. N. Dak. Agr. Col. Ext. C. A-169,8 p.-folder. Jan.1952. 275.29 N812Sa

STOA, T. E. 1952 crop variety recommendations for North Dakota. N. Dak. Agr. Col. Ext. C. A-170, 6 p. Jan.1952. 275.29 N812Sa

HOLM, G. C. Keep your herd free of brucellosis. N. Dak. Agr. Col. Ext. C. A-171,4 p.-folder. Jan. 1952. 275.29 N812Sa

MCLELLAN, D. J. Before you irrigate. N. Dak. Agr. Col. Ext. C. A-173,6 p.-folder. Feb.1952. 275.29 N812Sa

HELGESON, E. A., KRATOCHVIL, D. E., and WIDDIFIELD, R. B. Weed control with T.C.A. and M.C.P. N. Dak. Agr. Col. Ext. C. A-175,4 p.-folder. Apr.1952. 275.29 N812Sa

MORK, I. J. Cull your hens. N. Dak. Agr. Col. Ext. C. A-176,6 p.-folder. Apr.1952. 275.29 N812Sa

EVELETH, D. F. Avian tuberculosis control—in swine, poultry. N. Dak. Agr. Col. Ext. C. A-177,4 p.-folder. May 1952. 275.29 N812Sa

HELGESON, E. A., KRATOCHVIL, D. E., and WIDDIFIELD, R. B. Leafy spurge [Euphorbia esula] control. N. Dak. Agr. Col. Ext. C. A-178,6 p.-folder. June 1952. 275.29 N812Sa

EVELETH, D. F. Anthrax. N. Dak. Agr. Col. Ext. C. A-182,4 p.-folder. July 1952. 275.29 N812Sa

EVELETH, D. F. Foot and mouth disease. N. Dak. Agr. Col. Ext. C. A-183,4 p.-folder. July 1952. 275.29 N812Sa

ZAYLSKIE, J. Treat your fence posts. N. Dak. Agr. Col. Ext. C. A-184,6 p.-folder. Aug.1952. 275.29 N812Sa

STRUM, G., and others. Mineral needs of livestock. N. Dak. Agr. Col. Ext. C. A-185,6 p.-folder. Oct. 1952. 275.29 N812Sa

W. Dinusson, C. Olson, J. Williams, and S. Vogel, joint authors.

VOGEL, S. L., and PROMERSBERGER, W. Drying grain with forced air. N. Dak. Agr. Col. Ext. C. AE-40,9 p. June 1952. 275.29 N812C

VOGEL, S. L. Saving and handling straw from a combine. N. Dak. Agr. Col. Ext. C. AE-41,6 p.-folder. July 1952. 275.29 N812C

OKLAHOMA Agricultural and Mechanical College, Extension Division, Stillwater

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. 50 years' progress in Oklahoma agriculture; 1952 annual report. Stillwater, 1952? 21 p. 275.29 Ok41An

OREGON State College, Federal Cooperative Extension Service, Corvallis

OLIVER, A. W., and HARVEY, E. W. Home curing of meats and fish. Oreg. State Col. Ext. B. 731, 10 p. Dec.1952. 275.29 Or32B

OREGAN STATE COLLEGE. FOOD TECHNOLOGY DEPT. Freezing meat, poultry, fish, seafoods, and game. Oreg. State Col. Ext. B. 732,16 p. Jan.1953. 275.29 Or32B

PUERTO RICO University, College of Agriculture, Extension Service, Rio Piedras

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Cooperativas industriales. P. R. Agr. Col. Ext. C. 3,4 p. Jan.1952. 275.29 P96Ci

ORDÓÑEZ, R. M. Que hacer en caso de accidente. 5. Como dar respiración artificial. P. R. Agr. Col. Ext. C. 14E,5 p. July 1952. 275.29 P96Ci

LOPEZ, S. Cómo hacer flores usando medias de nilón. P. R. Agr. Col. Ext. DI-19,4 p.-folder. Sept. 1952. 275.29 P96Fd

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. A usted le conviene una cooperativa en su taller. P. R. Agr. Col. Ext. Folleto 13,rev.,6 p. Aug.1952. 275.29 P962F

VÁZQUEZ, A. Equipo improvisado para la cocina y el comedor. P. R. Agr. Col. Ext. Folleto DA-10, 5 p. Sept.1952. 275.29 P96Fi

ORDÓÑEZ, R. M. La historia de Juan Feliz y Pedro Triste. P. R. Agr. Col. Ext. Folleto Dsa-11,9 p. June 1952. 275.29 P96Fsa

SOUTH DAKOTA State College of Agriculture, Extension Service, Brookings

MCGIBNEY, I. Gifts. S. Dak. State Col. Agr. Ext. C. 446,rev.,24 p. June 1952. 275.29 So85

LOFGREN, J. A., ROGOFF, W. M., and O'CONNELL, J. J. Livestock pest control guide. S. Dak. State Col. Agr. Ext. C. 448,4 p. Dec.1952. 275.29 So85

CAVE, R. A. Dairy. S. Dak. State Col. Agr. Ext. C. 451,7 p. Mar.1952. 275.29 So85

MCPHEE, G., and LUBINUS, L. Water & sewage systems for the farm. S. Dak. State Col. Agr. Ext. C. 466,rev.,24 p. June 1952. 275.29 So85

KORTAN, L., and O'CONNELL, J. Swine feeding and management throughout the year. S. Dak. State Col. Agr. Ext. C. 485,8 p. Nov.1952. 275.29 So85

SOUTH DAKOTA.STATE COLLEGE OF AGRICULTURE. EXTENSION SERV. Chemical weed control recommendations. S. Dak. State Col. Agr. Ext. L. 142,4 p June 1952. 275.29 So85E

SOUTH DAKOTA. STATE COLLEGE OF AGRICULTURE. EXTENSION SERV. My extension club and me. S. Dak. State Col. Agr. Ext. L. 144,8 p.-folder June 1952. 275.29 So85E

UTAH State Agricultural College, Extension Service, Logan

KNOWLTON, G. F. Elm leaf beetle [Galerucella xanthomelaena] control. Utah. State Agr. Col. Ext. C. 173,2 p. Dec.1952. 275.29 Ut1

KNOWLTON, G. F. Controlling wireworms. Utah. State Agr. Col. Ext. C. 174,2 p. Jan.1953. 275.29 Ut1
Revision of Bulletin 232.

KNOWLTON, G. F. Grasshopper control in Utah, 1952. Utah. State Agr. Col. Ext. M. S. 92,4 p. Dec. 1952. 275.29 Ut1Ms

KNOWLTON, G. F. Observe safety rules in use of insecticides. Utah. State Agr. Col. Ext. M. S. 93, 4 p. Jan.8,1953. 275.29 Ut1Ms

WASHINGTON State College, Extension Service, Pullman

HALL, I. F., and others. Farmer's 1952 income tax. Wash. State Col. Ext. B. 370,32 p. Nov.1952. 275.29 W27P
R. H. Baker, E. M. Elwood, A. M. Nichter, and E. P. Callahan, joint authors.

WASHINGTON. STATE COLLEGE. EXTENTION SERV. With a crooked stick. Wash. State Col. Ext. C. 219,6 p.-folder. Dec.1952. 275.29 W27C

WASHINGTON STATE ASSOCIATION OF SOIL CONSERVATION DISTRICTS. Conservation panel discussion reports; 11th annual meeting, November 17, 18, and 19, 1952, Davenport Hotel, Spokane, Washington. Wash. State Col. Ext. Mimeog. 1402,15 p. Dec.1952. 275.29 W27Mi

WEST VIRGINIA University, College of Agriculture, Agricultural Extension Service, Morgantown

HASH, T. R. Brooding chicks for broilers or layers. W. Va. Agr. Col. Ext. C. 362,10 p. Sept.1952. 275.29 W522C

HUMPHREYS, G. Your university comes to you W. Va. Agr. Col. Ext. Good Living Ser. 20(1),6 p. n.d. 275.29 W522G

COFER, E. Vitamin A in family meals. W. Va. Agr. Col. Ext. Good Living Ser. 20(2),6 p. n.d. 275.29 W522G

KNOCH, R. E. What's new in textiles. W. Va. Agr. Col. Ext. Good Living Ser. 20(3),6 p. n.d. 275.29 W522G

WISCONSIN Agricultural Experiment Station, Madison

ANNIN, G. E., CRAVENS, W. W., and SUNDE, M. L. Chicks—brooding, feeding, rearing. Wis. Agr. Col. Ext. C. 382,rev.,24 p. Aug.1952. 275.29 W75C

NAMEJUNAS, A. L. Growth of a dairy State; a profile of Wisconsin agriculture. Wis. Agr. Col. Ext. C. 429,11 p. Aug.1952. 275.29 W75C

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Agricultural extension in Wisconsin, report for 1951. Wis. Agr. Col. Ext. C. 433,39 p. Aug.1952. 275.29 W75C

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

BINNS, SIR B. O. Agricultural credit for small farmers. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 16,30 p. Oct.1952. 281.9 F733

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Conference of FAO. C 51/3, (including add. 1-3), C51/4-C51/5 (including suppl. 1)-C51/6 (including corrigendum 1), C 51/7-C 51/8, C 51/10-C 51/12, C 51/14, C 51/17, C 51/19, C 51/20 (corrigenda and suppl. 1), C 51/22, C 51/24 (corrigendum 1), C 51/27, C 51/29, C 51/31-C 51/36, C51/42-C 51/44, C 51/51, C 51/55. Rome,1951. 389.9 F735Conc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Council of FAO. CL/9. Rome,1952. 233 p. 389.9 F7355

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Council of FAO. CL 15/2, 15/14 (corrigendum 1), CL 15/16. Washington,1952. 389.9 F7355

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Council of FAO. CL 16/9 (chapter V), CL 16/14, CL 16/20. n.p.,1952. 389.9 F7355

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Council of FAO, twelfth session, Rome, Italy, 11-25, June, 1951. Rome,1951. 2 p. 389.9 F7355

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Food and agricultural legislation, 1952, volume I, no. 2. Rome,1952. various pagings. 389.59 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Fruit and vegetables; production, trade and policies in Europe 1947-1951. Food & Agr. Organ. United Nations. FAO Commod. Ser. B. 23,143 p. Oct.1952. 389.9 F735C
Statistical.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Monthly bulletin of agricultural economics and statistics 1(7),47 p. Nov.1952. 251 F73Mb

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Monthly bulletin of agricultural economics and statistics 1(8),52 p. Dec.1952. 251 F73Mb

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Tobacco. Food & Agr. Organ. United Nations. FAO Commod. Ser. B. 20,49 p. Oct.1952. 389.9 F735Cs

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The work of FAO 1951/52; report of the Director-General. Rome,1952. 32 p. 389.9 F735Dz

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. World food survey, second. Rome,1952. 59 p. 389 F738

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. ECONOMICS DIV. Grain exports by source and destination, July 1951-June 1952. 1952. 24 p. 286.3599 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. INTERNATIONAL RICE COMMISSION. News letter 3,16 p. Sept.10,1952. 59.9 In83N

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. INTERNATIONAL RICE COMMISSION. Report of the third session, Bandung, Indo Indonesia, 12-16, May 1952. Bangkok,1952. 76 p. 59.9 In83

PLANT protection bulletin 1(1),16 p. Oct. 1952. 421 P692

16
U711

BIBLIOGRAPHY OF AGRICULTURE

LIBRARY
RECEIVED
☆ MAY 1953 ☆
U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON 25, D.C.



U.S. DEPARTMENT OF AGRICULTURE LIBRARY

EIS 39483-50011 MAY 1953 VOL. 17, No. 5

The subject index for volume 17 of the Bibliography of Agriculture will appear as number 12 of volume 17, the issue of December 1953.

Abbreviations used in this publication are from the United States Department of Agriculture Bibliographical Bulletin 12, List of Serials Currently Received in the Library of the United States Department of Agriculture, November 1, 1949. June 1950.

Call numbers following the citations are those of the United States Department of Agriculture Library. Please use them when requesting publications on loan from the Library.

Except for printed publications of the Department of Agriculture which are usually available in limited supply for free distribution, the publications listed herein are not available for free distribution from the Department. However, photoprint or microfilm copies of any publication listed may be obtained from the Library. Copying charges for each periodical article or book are:

MICROFILMS:
$1.00 for each 50 pages or fraction thereof from a single article or book.

PHOTOPRINTS:
$1.00 for each 10 pages or fraction thereof from a single article or book.

ALL CHARGES ARE CASH WITH ORDER. (Only Federal agencies are exempt.)
Enclose payment in cash, library coupon, check, or money order drawn to the Treasurer of the United States.

LIBRARY COUPONS—United States Department of Agriculture Library coupons valued at $1.00 each may be ordered in any quantity.

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Mar. 31, 1953).

UNITED STATES DEPARTMENT OF AGRICULTURE
LIBRARY

BIBLIOGRAPHY OF AGRICULTURE

Vol. 17 May 1953 No. 5
Items 39483-50011

CONTENTS

	Item
Plant Science	39483-42230
Systematic and Geographic Botany	39577
Spermatophytes	39588
Pteridophytes	39697
Bryophytes	39699
Algae	39717
Fungi	39730
Pathology	39781
Fungus Diseases	39940
Bacterial Diseases	40164
Virus Diseases	40182
Nematodes	40268
Ecology	40292
Morphology, Anatomy, and Cytology	40329
Genetics	40426
Physiology	40499
Biochemistry	40787
Field Crops	40867
Cereals	40919
Fiber Crops	41047
Forage and Grasses	41080
Oil Crops	41261
Sugar Crops	41276
Tobacco	41329
Horticultural Crops	41345
Fruits	41379
Citrus and Subtropical	41424
Deciduous	41471
Small	41549
Nuts	41645
Shade Trees and Ornamental Plants	41657
Vegetables	41950
Weeds and Poisonous Plants	42077
Miscellaneous	42178
Soils and Fertilizers	42231-43005
Soil Science	42231
Soil Physics	42235
Soil Chemistry	42264
Soil Biology	42318
Soil-Plant-Animal Relationships	42342
Soil Genesis, Formation, Classification and Mapping	42345
Soil Management	42363
Soil Fertility	42404
Tilth and Tillage	42695
Drainage, Irrigation, Water Supply, etc.	42728
Erosion and Control	42881
Sanitation	42927
Materials for Soil Improvement	42933
Primary Materials	42933
Secondary and Minor Element Materials	42934
Mixed Fertilizers and Fertilizer Technology	42939
Fertilizer Statistics	42950
Mineral Soil Ammendments	42973
Manures and Composts	42976
Forestry	43006-43793
General	43006
Education	43040
Policies, Programs, Administration	43051
Legislation and Taxation	43110
Description and Resources	43122
Individual Genera	43154
Forest Management and Finance	43211
Farm Woodlands	43252
Mensuration, Surveying, Photogrammetry	43271
Silviculture	43290
Silvicultural Practices	43317
Seeding and Planting	43352
Forest Protection and Damage	43448
Fire	43467
Forest Influences	43478
Miscellaneous Forest Uses	43494
Forest Industries and Trade	43499
Lumbering	43519
Lumbering Equipment	43526
Logging	43544
Sawmills	43564
Processing and Woodworking	43581
Seasoning, Conditioning and Finishing	43582
Wood Preservation and Damage	43592
Forest Products	43621
Lumber and Rough Products	43630
Building Construction	43644
Veneers, Plywood and Adhesives	43652
Furniture	43667
Containers	43670
Pulp and Paper	43674
Chemical Products and Distillates	43733
Naval Stores	43740
Other Forest Products	43750
Wood Technology	43760
Properties and Structure	43780
Animal Industry	43794-45288
Breeds and Breeding	43794
Feeds and Feeding	43827
Veterinary Medicine	43920
Miscellaneous	44046
Cattle	44086
Breeds and Breeding	44086
Feeds and Feeding	44192
Veterinary Medicine	44273
Miscellaneous	44415
Dogs and Cats	44484
Breeds and Breeding	44484
Feeds and Feeding	44497
Veterinary Medicine	44499
Miscellaneous	44542
Fur Animals - Pen Raised	44549
Breeds and Breeding	44549
Feeds and Feeding	44558
Veterinary Medicine	44565
Miscellaneous	44580
Horses and Mules	44593
Breeds and Breeding	44593
Feeds and Feeding	44618
Veterinary Medicine	44620
Miscellaneous	44667
Laboratory Animals, Small	44691
Veterinary Medicine	44691

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
$6.00 per year, domestic; $8.00 per year, foreign. Single copies vary in price.

	Item
Poultry	44693
Breeds and Breeding	44693
Feeds and Feeding	44731
Veterinary Medicine	44790
Miscellaneous	44879
Rabbits	44982
Breeds and Breeding	44982
Feeds and Feeding	44988
Veterinary Medicine	44991
Miscellaneous	45000
Sheep and Goats	45006
Breeds and Breeding	45006
Feeds and Feeding	45055
Veterinary Medicine	45074
Miscellaneous	45130
Swine	45162
Breeds and Breeding	45162
Feeds and Feeding	45177
Veterinary Medicine	45218
Miscellaneous	45265
Entomology	45289-46053
General - Economic	45310
Insecticides	45433
Apiculture and Apis Mellifera	45460
Arachnida, etc.	45584
Coleoptera	45636
Diptera	45738
Culicidae	45806
Hemiptera	45825
Hymenoptera	45874
Lepidoptera	45925
Orthoptera	46012
Sericulture and the Silkworm	46037
Smaller Orders	46054
Agricultural Engineering	46084-46753
General and Miscellaneous	46084
Machines and Equipment	46109
Animal Husbandry	46241
Cultivation and Tillage	46280
Fertilizer and Seed Distributors	46320
Harvesting	46348
Land Clearing Equipment	46410
Processing Equipment Used on the Farm	46414
Repair, Maintenance, and Construction	46476
Spraying and Dusting	46495
Vehicles	46512
Structures and Rural Housing	46596
Animal Shelters and Service Buildings	46607
Farmhouses and Farmsteads	46660
Greenhouses and Plant Service Buildings	46664
Materials and Methods	46673
Storage Structures	46675
Walls and Fences	46690
Utilities	46702
Electricity and Electrification	46702
Heating, Lighting and Radiation	46728
Power Plants, Motors and Engines	46732
Sewage and Waste Disposal	46744
Telephones	46745
Water Supply	46746
Agricultural Products: Processing, Distribution, and Statistics	46754-48581
Analysis and Composition	46776
Consumption, etc.	46803
Distribution, etc.	46808
Grading, etc.	46843
Packing and Packaging	46869
Prices, etc.	46877
Processing and Storage	46898
Statistics	46939
Beverages and Condiments	46962
Dairy Products	47113
Analysis and Composition	47187
Consumption, etc.	47260
Distribution, etc.	47267
Grading, etc.	47308
Packing and Packaging	47344
Prices, etc.	47354
Processing and Storage	47368
Statistics	47485
Feed and Forage Crops	47488
Fibers and Textiles	47528
Fruits, Vegetables, and Nuts	47647
Analysis and Composition	47711
Consumption, etc.	47727
Distribution, etc.	47733
Grading, etc.	47791
Packing and Packaging	47817
Prices, etc.	47829
Processing and Storage	47834
Statistics	47903
Grain and Grain Products	47918
Honey and Beeswax	48053
Livestock and Livestock Products	48064
Analysis and Composition	48117
Consumption, etc.	48142
Distribution, etc.	48144
Grading, etc.	48167
Packing and Packaging	48189
Prices, etc.	48190
Processing and Storage	48200
Statistics	48239
Oils and Oilseeds	48250
Poultry and Poultry Products	48340
Rubber and Rubber Substitutes	48400
Seeds	48423
Sugar and Sirups	48452
Tobacco	48543
Miscellaneous	48565
Agricultural Economics and Rural Sociology	48582-49705
Agricultural Finance	48611
Credit	48624
Income	48747
Insurance	48752
Taxation	48784
Agricultural Labor and Wages	48814
Agriculture - Situation, Policies, and Programs	48870
Subsidies	49091
Cost and Standard of Living	49094
Farm Management and Land Economics	49095
Bookkeeping and Records	49218
Costs and Returns	49229
Land Settlement and Colonization	49258
Land Tenure	49278
Land Utilization	49345
Land Values, etc.	49358
Population	49365
Rural Social Organization	49379
Human Ecology	49387
Institutions	49391
Leadership	49534
Rural Organizations and Movements	49537
Rural Social Psychology	49618
Trade, Foreign and International	49621
Food and Human Nutrition	49706-49807
Food Habits	49760
Nutritive and Vitamin Content	49770
Miscellaneous	49808-50011
History and Biography	49873
Home Management	49933
International Relations	49952
Meteorology	49956
Personnel	49960
Research	49962
Statistics	50001
U. S. D. A. Publications	p. 225
State Agr. Expt. Sta. Publications	p. 230
State Agr. Ext. Serv. Publications	p. 235
Food and Agr. Organ. of the U. N.	p. 239
AUTHOR INDEX	p. 241

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Mar. 31, 1953)

PLANT SCIENCE

GENERAL

39483 AGUILAR, J. D'. Les champignons carnivores et leurs pièges. Nature [Paris] 3210:314-316. Oct.1952. 473 N21

39484 ANDREEV, V. N. Use of aerial methods for geobotanical cartography and inventory of pastures. (In Russian.) Bot. Zhur. 37(6):843-847. Nov./Dec.1952. 451 R923
Arctic regions.

39485 AUGIER, J. Histoire et signification des théories de l'évolution chez les plantes. Ann. Biol. (ser. 3)28:C301-C310. July/Aug.1952. 442.8 An7
Includes discussion.

39486 BARANOVSKIĬ, A. L. Introduced tree and shrub species at the Zhitomir Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:113-115. 1952. 451 M854

39487 BEILER, A., and SCHULTE, K. Eine neue methode von natürlichen pflanzendrucken. Deut. Baumsch. 5:12-15. Jan.1,1953. 80 D486

39488 BLOCH, R. The problem of form in present-day botany. Phytomorphology 2:215-224. Ref. Dec.1952. 450 P566

39489 BONING, K. 50 jahre Bayerische Landesanstalt für Pflanzenbau und Pflanzenschutz. Pflanzenschutz 4:125-135. Nov.1952. 464.8 P48

39490 BOUREAU, E. L'évolution des végétaux et l'anatomie des plantules. Ann. Biol. (ser.3)28:C163-C191. July/Aug.1952. 442.8 An7
Includes discussion.

39491 BOURNERIAS, M. Beine et Laonnois: végétation et géologie. Feuille des Nat. (n.s.)7:93-101. Ref. Nov./Dec.1952. 410 F432

39492 BROOKLYN BOTANIC GARDEN. Report for 1951-52. Brooklyn,1952. 32 p. 451 B79A

39493 BROOKS, F. A. The action of wind machines and heaters used for frost protection on calm clear nights. Wash. State Hort. Assoc. Proc. 48:193-198. 1952. 81 W273

39494 BRUSKIN, S. A comprehensive survey of the incidence of fungus spores in the New Brunswick, New Jersey, area. Ann. Allergy 11:15-23. Jan./Feb.1953. 448.8 An72

39495 BYKOV, B. A. From the practices of geobotanical research in the Caspian area. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):47-50. 1952. 511 M85
Remarks by L. G. Ramenskiĭ, p. 51-52.

39496 CHADEFAUD, M. La leçon des algues (comment elles ont évolué; comment leur évolution peut éclairer celle des plantes supérieures). Ann. Biol. (ser.3) 28:C9-C25. May/June 1952. 442.8 An7
Includes discussion.

39497 CHAPMAN, V. J. University botanical teaching and training. Nature [London] 171:314. Feb.14, 1953. 472 N21
Includes note by N. P. Badenhuizen.

39498 CHIZHIKOV, O. N. Against reactionary theories in geobotany. (In Russian.) Agrobiologiia 6:140-151. Ref. Nov./Dec.1952. 20 Ag822

39499 CHOUARD, P. Morphogenèse, tératogenèse et évolution. Ann. Biol. (ser.3)28:C243-C270. Ref. July/Aug.1952. 442.8 An7
Includes discussion.

39500 COLE, G. A contribution toward a bibliography of botanical bibliographies. Madison,1952. 59 p. 241.75 C67

39501 COZZO, D. A. Un fosil viviente. Chacra 23 (267):28-29. Feb.1953. 9 C34
Metasequoia glyptostroboides.

39502 DANZE-CORSIN, P. Sur la famille des Marioptéridées, Acad. des Sci. Compt. Rend. 236:734-736. Feb.16,1953. 505 P21

39503 DARLINGTON, C. D. Evolution et hérédité chez les plantes. Ann. Biol. (ser.3)28:C293-C300. July/Aug.1952. 442.8 An7

39504 DELEVORYAS, T. A new male Cordaitean fructification from the Kansas Carboniferous. Amer. J. Bot. 40:144-150. Ref. Mar.1953. 450 Am36

39505 DEPAPE, G. Sur une flore wealdienne d'Espagne (Ortigosa de Cameros). Acad. des Sci. Compt. Rend. 236:732-734. Feb.16,1953. 505 P21

39506 DOROFEEV, P. I. Pliocene plants of the Urals. (In Russian.) Bot. Zhur. 37(6):850-856. Ref. Nov./Dec. 1952. 451 R923

39507 ERICSON, M. J. The baleful Cobra plant [Darlingtonia californica]. Nat. Hist. 62:111-112. Mar. 1953. 500 N483J

39508 EVERETT, P. C. Rancho Santa Ana Botanic Garden. Natl. Shade Tree Conf. Proc. 28:203-205. 1952. 99.9 N218

39509 FERRE, Y. DE. La signification des formes de jeunesse dans l'étude de l'évolution. Ann. Biol. (ser.3)28: C193-C205. July/Aug.1952. 442.8 An7
Includes discussion.

39510 FLORIN, R. Evolution et classification des gymnospermes. Ann. Biol. (ser.3)28:C99-C108. Ref. May/June 1952. 442.8 An7
Includes discussion.

39511 FRISBEY, A., and others. The occurrence of antibacterial substances in seed plants with special reference to Mycobacterium tuberculosis. Mich. Agr. Expt. Sta. Q. B. 35:392-404. Feb.1953. 100 M58S
J. M. Roberts, J. C. Jennings, R. Y. Gottshall, and E. H. Lucas, joint authors.

39512 GAUSSEN, H. L'évolution pseudocyclique. Ann. Biol. (ser.3)28:C207-C225. July/Aug.1952. 442.8 An7
Includes discussion.

39513 GLOCKER, K. Die "Zentralstelle für Gehölzsichtung" beim Städt. Gartenamt in Dortmund. Deut. Baumsch. 5:29-31. Feb.1953. 80 D486

39514 GLONTI, M. D., and SABATIN, E. IU. How subtropical plants withstood the winter in the Batum Botanical Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:53-60. 1952. 451 M854

39515 GROSSBARD, E. Further observations on antibiotic production by Penicillium patulum in soil and on non-sterile manures. (Abs.) Phytopathology 43:108. Feb.1953. 464.8 P56

39516 GROVES, J. W. The international rules of botanical nomenclature. (Abs.) Canad. Phytopath. Soc. Proc. 20:16. 1952,pub.1953. 464.9 C162

39517 GUNKEL, W. W., and MULLIGAN, C. W. Leaf punch for foliage samples. Farm Res. [N. Y. Sta.] 19:3. Jan.1953. 100 N48A

39518 HEIM, R. Les voies de l'évolution chez les champignons. Ann. Biol. (ser.3)28:C27-C56. May/June 1952. 442.8 An7
Includes discussion by E. Gäumann and others.

39519 HERTER, W. G., and RAMBO, B. Auf den spuren der naturforscher Sellow und St.-Hilaire. (In Portuguese.) Rev. Sudamer. de Bot. 10:61-97. Jan.1953. 450 R3242

39520 HIESEY, W. M. Dynamisme de l'évolution d'après la conception d'un expérimentateur. Ann. Biol. (ser.3)28:C271-C279. July/Aug.1952. 442.8 An7
Includes discussion.

39521 HØEG, O. A. Notes from India. (In Norwegian.) Blyttia 10:63-68. 1952. 450 B622
Vegetation.

39522 HUBNER, R. Eine neue methode der blattdickenmessung an landwirtschaftlichen kulturpflanzen. Z. f. Acker- u. Pflanzenbau 95:381-388. Nov.1952. 18 J825

39523 IVANOV, N. D. New teaching of T. D. Lysenko concerning species. (In Russian.) Bot. Zhur. 37(6):819-842. Ref. Nov./Dec.1952. 451 R923

39524 JAZEWITSCH, W. VON. Beiträge zur methodik der jahrringchronologie. II. Die fraktionierte gegenläufigkeitsstatistik. Holzforschung 6:82-89. 1952. 99.8 H74
English summary.

39525 KARASEV, G. M. Experience in acclimatization of plants in the arid steppe of southern Ukraine. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:9-12. 1952. 451 M854

39526 KELLER, B. A. Origin of plants and adaptations in the simplest type of plants. (In Russian.) Lab. Evolîutîs. Ekol. Rast. im. B. A. Kellera. Trudy 3:5-30. Ref. 1952. 451 Ak13
Study of blue-green algae.

39527 KORKESHKO, A. L. Tree species of the Far East under conditions of the Bashkir Botanical Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:39-45. 1952. 451 M854

39528 KORMILITSYN, A. M. Results of introducing tree and shrub species into the subtropical regions of central Asia. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:15-23. 1952. 451 M854

39529 KOVERGA, A. S., and SERGEEV, L. I. Nikitsk State Botanic Garden named for V. M. Molotov. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:90-95. 1952. 451 M854

39530 KRISHNASWAMY, V. S., and GUPTA, R. S. Rajputana Desert—its vegetation and its soil. Indian Forester 78:595-601. Dec.1952. 99.8 In2

39531 KUJALA, V. Vegetation. Fennia 72:209-234. Ref. 1952. 511 H367

39532 KUL'TIASOV, I. M. Taking inventory of Botanic Garden collections. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:66-69. 1952. 451 M854

39533 LANG, P. O. The vegetation of the Insiza and Shangani Intensive Conservation Areas. Rhodesia Agr. J. 49:346-351. Nov./Dec.1952. 24 R34

39534 LAPIN, P. I. Conference of representatives from the botanic gardens of U.S.S.R. (In Russian.) Les i Step' 4(10):75-76. Oct.1952. 99.8 L565

39535 LAPIN, P. I. Projected arboretums. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:7-13. 1952. 451 M854

39536 LEA, H. N.I.A.B. crop conference at Cambridge. Agr. Merchant 33:40-44. Feb.1953. 10 Ag89
National Institute of Agricultural Botany.

39537 LECLERCQ, S. Les psilophytales représentent-elles le creuset des plantes vasculaires? Ann. Biol. (ser.3)28:C89-C97. Ref. May/June 1952. 442.8 An7

39538 LEISMAN, G. A. The rate of organic matter accumulation on the sedge mat zones of bogs in the Itasca State Park region of Minnesota. Ecology 34:81-101. Ref. Jan.1953. 410 Ec7

39539 LEONT'EV, V. L. Use of aerial photographs and aerial explorations of vegetation for the reclamation of deserts. (In Russian.) Bot. Zhur. 37(6):847-849. Nov./Dec.1952. 451 R923

39540 LEROY, J. F. Les Juglandicarya de l'Eocéne inférieur et l'Annamocarya actuel. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:586-587. Nov./Dec.1952. 26 R323

39541 LIMA, C. Urgent problem of Minas Gerais. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(9):55-65. Sept.1952. 9.2 M663
Need for plant conservation.

39542 LUTERAAN, P. J., and GUYOTJEANNIN, C. Un procédé facile de culture sur lames. Rev. de Mycol. 17:158-160. Nov.1,1952. 450 An74

39543 LUTIGNEAUX, R. La nature artiste; les formes dans le monde végétal. Nature [Paris] 3204: 97-100. Apr.1952. 473 N21

39544 LYPA, A. L. Importance of the Ukranian Botanic Gardens in the XIX century in acclimatizing tree species. (In Russian.) Moscow. Glav. Bot. Sad. B. 12: 109-112. 1952. 451 M854

39545 MCCLINTOCK, E. California's arboretums and botanical gardens. Calif. Hort. Soc. J. 14:41-50. Jan. 1953. 81 C1293

39546 MANSSON, T. A bouquet of nations favorite flowers. (In Swedish.) Trädgårdstidningen 25:24-25. Jan.1953. 80 T67

39547 MARESQUELLE, H. J. L'aspect nominaliste de la systématique évolutionniste moderne. Ann. Biol. (ser.3)28:C281-C291. July/Aug.1952. 442.8 An7

39548 MOTTE, J. Spore, conidie, et quelques autres termes utilisés en cryptogamie. Rev. de Mycol. 17:171-178. Ref. Nov.1,1952. 450 An74

39549 MUÑOZ PIZARRO, C. Jardines botánicos. Simiente 22:167-173. Jan./June 1952. 9.3 Si4

39550 OKUNO, H. Fossil diatoms from Japanese diatomite deposits. II. (In Japanese.) Bot. Mag. 65:34-42. Jan./Feb.1952. 450 B651

39551 PARIS. MUSEUM NATIONAL D'HISTOIRE NATURELLE. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Colloque International sur l'Evolution et la Phylogénie chez les Végétaux, Paris, May 1952. Ann. Biol. (ser.3)28:C1-C320. May/June-July/Aug.1952. 442.8 An7

39552 PETTERSSON, B. An alien flora on Drumsö (Helsingfors) introduced by cork bark imported from Morocco and Spain. Soc. pro Fauna et Flora Fenn. Memo. 27:111-117. Ref. 1950/51,pub.1952. 511 H365Me

39553 POTONIE, R. Paléogéographie, sociogénèse des plantes et évolution. Ann. Biol. (ser.3)28:C227-C241. July/Aug.1952. 442.8 An7
Includes discussion.

39554 REMY, W. Die Psilophyten,- eine ausgestorbene pflanzengruppe von grundlegender bedeutung. Deut. Akad. der Wiss. Wiss. Ann. 1:515-521. Nov.1952. 509 D48W

39555 RESCH, O. Urwald am grossstadtrand. Gart.—Z. Illus. Flora 76:21-24. Feb.1953. 80 G1991
Vegetation in Brazil.

39556 RIBEREAU-GAYON, J., and PEYNAUD, E. Formation par Botrytis cinerea d'inhibiteurs de la croissance de Saccharomyces cerevisiae. Cong. Internatl. de Biochim. Résumés des Commun. 2:110. 1952. 386.2 In84

39557 RODIONENKO, G. I. Some results of the expedition of the Botanic Garden of the V. L. Komarov Botanic Institute of the Academy of Sciences, SSSR, in the Krasnafa Poliana region. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:308-324. Ref. 1952. 451 Ak15
Wild flowers.

39558 RUBY, F. Los nuevos métodos de defensa contra el pedrisco. Inst. Agr. Catalán de San Isidro. Rev. 101:237-244,295-299. (Concl.) Oct./Dec.1952. 15 Sa5

39559 RUSANOV, F. N. Botanic Garden of the Academy of Sciences of the Uzbek SSR contributes to Communist construction. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:6-9. 1952. 451 M854

39560 RUSANOV, F. N. Culture of certain parasitic plants in the Tashkent Botanical Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:84-85. 1952. 451 M854
Cynomorium songaricum and Cistanche flava on Tamarix.

39561 SAINT MARTIN, S. La lutte contre les gelées de printemps et la grêle dans l'Aude. Rev. Agr. de l'Afrique du Nord 51:46-50. Jan.9,1953. 80 R326

39562 SCHAFER, E. Urwaldstation "Rancho Grande." Kosmos 49:79-84. Feb.1953. 474 K842
Vegetation in Venezuela.

39563 SILVA, Q. G. P. DA. Pollen analysis of the atmosphere at Sacavem in 1949 and 1950. (In Portuguese.) Portugaliae Acta Biol. Sér. A 3:261-274. Ref. 1952. 442.8 P83
English summary.

39564 SINGH, K. An apparatus for automatic recording of losses of water from potted plants, soil, and water pans. Ann. Bot. (n.s.)17:189-191. 1953. 450 An7

39565 SOKOLOV, S. IA. Brief program and methods employed by expeditions of botanic gardens. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:7-15. Ref. 1952. 451 Ak15

39566 SOKOLOVA, O. V. Frost resistance of tree and shrub species in nurseries of the Botanic Garden of the V. L. Komarov Botanic Institut of the Academy of Sciences, SSSR. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:94-130. 1952. 451 Ak15

39567 SOUSA, E. DE. Present and future importance of the conservation and protection of vegetation. (In Portuguese.) Liga para a Protec. da Nat. P. 7:14-18. 1952. 279.9 L62

39568 SWEENEY, MRS. E. C. Botanizing on African mountains. Gard. Club Amer. B. 41(2):33-37. Mar.1953. 90.32 G16
Ruwenzori Mountains.

39569 SYAKUDO, K., and others. Studies on the quantitative inheritance. 9. A. Rice.Oryza sativa L. 1. Inheritance of the height of culms and the quantitative function of the causal genes in their height determination. 2. On the quantitative function of the two multiple genes and the dwarf gene D. (In Japanese.) Jap. J. Breeding 2: 81-88. Ref. Dec.1952. 64.8 J27
M. Tominaga, T. Kawase and K. Hayashi, joint authors.
English summary.

39570 TSVETKOV, M. I. Effect of snow cover on wintering of winter crops. (In Russian.) Sovet. Agron. 11:79-80. Jan.1953. 20 So84

39571 TURBIN, N. V. Darwinism and the new teaching concerning species. (In Russian.) Bot. Zhur. 37(6): 798-818. Ref. Nov./Dec.1952. 451 R923
Comparison between Darwin's and Lysenko's theories.

39572 TURKEVICH, N. V. Behavior of certain exotic plants in the Kiev Botanical Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:46-52. 1952. 451 M854
Trees and shrubs.

39573 VAGA, A. IA. Phylums of the organic world. (In Russian.) Bot. Zhur. 37:639-647. Ref. Sept./Oct. 1952. 451 R923
Plant evolution.

39574 VIMAL, K. P. Spores and pollen from tertiary lignites from Dandot, West Punjab (Pakistan). Indian Acad. Sci. Proc. Sect. B 36:135-147. Ref. Oct.1952. 513 In25B

39575 VRIES, D. M. DE. Our grassland and its history. (In Dutch.) Levende Nat. 56:24-31. (Cont.) Feb. 1953. 410 L57
Vegetation.

39576 ZATVARNITSKIĬ, G. F. Kuibyshev Botanic Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:98-99. 1952. 451 M854

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

39577 BAILEY, W. M., and SWAYNE, J. R. Some southern Illinois plant records. Ill. State Acad. Sci. Trans. 44:40-41. 1951,pub.1952. 500 IL6

39578 BORNEBUSCH, C. H. "Nørholm Hede," Lande de Nørholm. Troisième rapport. (In Danish.) Denmark. Forstl. Forsøgskomm. Forstl. Forsøgsvaes. i Danmark 21:1-41. 1952. 99.9 D41
French summary.
Includes flora.

39579 DZHALAGONIĀ, SH. I. Results of work at the Sukhumi Botanical Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:86-88. 1952. 451 M854
Georgian flora.

39580 FERNANDES, R. Notes on the flora of Portugal. III. (In Portuguese.) Soc. Broteriana. Anu. 18:9-29. 1952. 451 C66A

39581 LOHAMMAR, G., and LUTHER, H. Observations on the flora in south west Finland. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:118-138. Ref. 1950/51,pub.1952. 511 H365Me

39582 LOUSLEY, J. E. Study of the British flora during 1952. Nature [London] 171:335-337. Ref. Feb. 21,1953. 472 N21

39583 MALATO-BELIZ, J., and ABREU, J. P. Notes on the flora. III. (In Portuguese.) Soc. Broteriana. Anu. 18:31-48. Ref. 1952. 451 C66A
Portugal.

39584 MONOD, T. Notes sur la flore du Plateau Bauchi (Nigéria). Inst. Franç. d'Afrique Noire. Mém. 18:9-37. 1952. 515 D14M

39585 SCHNELL, R. Végétation et flore de la région montagneuse du Nimba (Afrique Occidentale Francaise). Inst. Franç. d'Afrique Noire. Mém. 22,604 p. 1952. 515 D14M

39586 SILLANS, R. Contribution à l'étude phytogéographique des savanes du Haut-Oubangui. Mus. Natl. d'Hist. Nat. B. (ser.2)24:382-391. July 1952. 410.9 P213

39587 SMIRNOV, L. A. Twice made discovery (contribution to question of primary division of phylum). (In Russian.) Bot. Zhur. 37(6):896-898. Nov./Dec.1952. 451 R923

Spermatophytes

39588 ACCORSI, W. R. Contribution to the biological and ecological study of the Podostemaceae of the Piracicaba Fall. III. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:747-768. 1951. 102.5 P66A
English summary.

39589 ADAMSON, R. S. A revision of the genera Prismatocarpus and Roella. J. So. African Bot. 17:93-166. July 1951,pub.July 9,1952. 450 J8262
Includes new species.

39590 AELLEN, P. Botanische ergebnisse. II. Chenopodiaceae: Agriophyllum, Esfandiaria, Eurotia. Natforsch. Gesell. in Basel. Verhandl. 63:253-272. Dec.12,1952. 508 B29

39591 ALZIEU, A. Le palmier-nain en Tunisie. B. Econ. et Social de la Tunisie 73:29-32. Feb.1953. 280.8 B874
Chamaerops.

39592 BACKMAN, A. L. Najas flexilis found in Libelits. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:3-8. 1950/51,pub.1952. 511 H365Me

39593 BADILLO, V. M. Clave provisional para los generos y especies de la tribu Eupatorieae, (Familia Compositae) de Venezuela. Venezuela. U. Cent. Facul. de Ingen. Agron. Rev. 1:79-98. June 1952. 9.95 V555

39594 BOIVIN, B. Animadversions and other notes on Arnica. Rhodora 55:55-57. Feb.1953. 450 R34

39595 BOIVIN, B. Thalictrum cardenasianum sp. n. Torrey Bot. Club B. 80:136-137. Mar./Apr.1953. 451 T63B

39596 BOOTH, W. E. The genus Oxytropis (Leguminosae) in Montana. Mont. Acad. Sci. Proc. 12:15-21. 1952. 500 M762

39597 BRIGGS, M. L. Study of the Compositae of Champaign County, Illinois. Ill. State Acad. Sci. Trans. 44:42-44. 1951,pub.1952. 500 IL6

39598 BROWN, J. R. Notes on Haworthias. Cactus & Succulent J. 25:8-11. Jan./Feb.1953. 451 C11

39599 BURKART, A. Las leguminosas argentinas silvestres y cultivadas. Ed. 2. Buenos Aires,Acme, 1952. 569 p. 452.3 B913

39600 BURKILL, I. H. Testudinaria as a section of the genus Dioscorea. J. So. African Bot. 18:177-191. Oct.1952. 450 J8262

39601 BURTT, B. L. Gaultheria semi-infera. Curtis's Bot. Mag. 169:Tab.197 and text. Oct.1952. 450 C94

39602 CABRERA, A. L., and FABRIS, H. A. Las plantas cultivadas. XXV. Soc. Argentina de Hort. B. 11(89): 31-36. Jan./Mar.1953. 83 So1

39603 CAMUS, A. Cyrtococcum nouveaux de Madagascar. Mus. Natl. d'Hist. Nat. B. (ser.2)24:402-403. July 1952. 410.9 P213

39604 CEDERCREUTZ, C. Rubus arcticus L. from a new locality at Åland. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:13. 1950/51,pub.1952. 511 H365Me

39605 COWAN, J. M. Rhododendron macabeanum. Curtis's Bot. Mag. 169:Tab.187 and text. Oct.1952. 450 C94

39606 CRONQUIST, A. New species and varieties of Papillionaceae from the Belgian Congo. Brussels. Jard. Bot. de l'Etat. B. 22:215-231. Dec.1952. 451 B83B
Includes new species in Dalbergia, Indigofera, Sesbania, and Tephrosia.

39607 CRONQUIST, A. A new species [Emilia violacea] and a new combination in tropical African Compositae. Brussels. Jard. Bot. de l'Etat. B. 22:309-311. Dec.1952. 451 B83B

39608 DAUMAS, P., QUEZEL, P., and SANTA, S. Deux nouvelles stations algériennes de Pilularia minuta Dr. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:65-68. Ref. Apr./June 1952. 410.9 So125

39609 DELHAYE, R. J. Revision des Biophytum (Oxalidaceae) du Congo Belge et des régions limitrophes. Inst. Roy. Colon. Belge. B. des Seánces 23:844-863. 1952. 504 B836

39610 DEMARET, F., and POTIER DE LA VARDE, R. Les espèces africaines du genre Callicostella (C. Müll.) Jaeg. Brussels. Jard. Bot. de l'Etat. B. 22:323-396. Dec.1952. 451 B83B

39611 DOPPER, H. Pinus larix—Larix europaea—Laris sibirice? Allg. Forstztg. 64:41-42. Feb.1953. 99.8 AL53

39612 FAEGRI, K. Euphorbia palustris found in western Norway. (In Norwegian.) Blyttia 4:121-122. 1952. 450 B622
English summary.

39613 FEUCHT, O. Bekanntes und unbekanntes von der mistel [Viscum album]. Kosmos 49:1-4. Jan.1953. 474 K842

39614 FINCK, M. K. Epiphyten-stämme und sonstige epiphyten-arrangements. Günzburg,Donau,1952. 56 p. 96.06 F492

39615 FLORE du Congo Belge et du Ruanda Urundi. Spermatophytes, v. 3. Bruxelles,Institut National pour l'Etude Agronomique du Congo Belge,1952. 579 p. 460.43 F662

39616 FOX, W. S., and SOPER, J. H. The distribution of some trees and shrubs of the Carolinian zone of southern Ontario. Roy. Canad. Inst. Trans. 29:65-84. Ref. Oct.1952. 517 T63T

39617 FUJITA, Y. Cinnamomum camphora Sieb. and its allied species. Their interrelations considered from the view-points of species characteristics, chemical constituents, geographical distributions and evolution. Bot. Mag. 65:245-250. Sept./Oct.1952. 450 B651
English and Japanese text.

39618 GAGNEPAIN, F. Huit espèces nouvelles de Bauhinia d'Indochine. Mus. Natl. d'Hist. Nat. B. (ser.2) 24:312-316. May 1952. 410.9 P213

39619 GARDNER, C. A. Trees of Western Australia. 10-12. West. Austral. Dept. Agr. J. (ser.3)1:805-807, 809-811. Nov./Dec.1952. 23 W52J
10, The swamp, or flat-topped yate (Eucalyptus occidentalis Endl.; 11, The brown mallet (Eucalyptus astringens Maiden); 12, The four-winged mallee (Eucalyptus tetraptera Turcz.).

39620 GEORGE, E. J. Tree and shrub species for the northern Great Plains. U. S. D. A. C. 912,46 p. Jan.1953. 1 Ag84C

39621 GORODKOV, B. N. Experimental tests of the accuracy of determining wormwood [Artemisia] from the pollen. (In Russian.) Bot. Zhur. 37:659-660. Sept./Oct. 1952. 451 R923

39622 GRANT, V. The role of hybridization in the evolution of the leafy-stemmed Gilias. Evolution 7:51-64. Ref. Mar.1953. 443.8 Ev62

39623 HARA, H. The identity of Sedum erythrostictum Miquel. (In Japanese.) J. Jap. Bot. 27:379-380. Dec.1952. 450 J8223
English summary.

39624 HATUSIMA, S. A revision of the new genera from New Guinea described by C. Lauterbach. Bot. Mag. 65:109-111. May/June 1952. 450 B651
Nouhuysia, Gjellerupia, Cyclandra and Lamiofrutex.

39625 HERTER, G. Flora del Uruguay. 4. Glumiflorae. II. Rev. Sudamer. de Bot. 9:97-128, Jan.1953. 450 R3242

39626 HODGDON, A. R., and KROCHMAL, B. A New Hampshire station for Heteranthera dubia (Jacq.) MacM. Rhodora 55:57-58. Feb.1953. 450 R34

39627 HOLLENBACH, C. B. Geographic distribution of Cassia nictitans (L.) Moench. and Chamaecrista fasciculata (Mich.) Greene in the United States. Pa. Acad. Sci. Proc. 24:23-26. 1952. 500 P383

39628 HONDA, M. Nova planta Japonica. I. Bot. Mag. 65:168-171. July/Aug.1952. 450 B651
Includes new species in Smilax, Sedum and Thalictrum.

39629 HOWELL, J. T., and PORTER, C. L. The Rubiaceae of Wyoming. Wyo. U. Rocky Mountain Herb. L. 21,9 p. Feb.10,1953. 451 W99

39630 HUBBARD, C. E., and LÉONARD, J. A new genus [Louisiella] of Gramineae from tropical Africa. Brussels. Jard. Bot. de l'Etat. B. 22:313-318. Dec.1952. 451 B83B

39631 HUTCHISON, P. C. Studies in the Crassulaceae. 2. Cactus & Succulent J. 25:3-5. Jan./Feb.1953. 451 C11

39632 JACQUES-FELIX, H. Notes sur les Graminées d'Afrique Tropicale. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:505-532,547-554. (Cont.) Nov./Dec. 1952. 26 R323

39633 JALAS, J. Festuca ovina ssp. capillata (Lam.) Sch. & K. and Festuca trachyphylla (Hack.) Krajina in Finland. (In Finnish.) Soc. pro Fauna et Flora Fenn. Memo. 27:10-12. 1950/51,pub.1952. 511 H365Me
English summary.

39634 JENNINGS, O. E. A range-extension for sugar maple. Rhodora 55:59. Feb.1953. 450 R34
Northwestern Ontario.

39635 JØRSTAD, F. Notes on Saxifragae in Svalbard. (In Norwegian.) Blyttia 10:69-72. 1952. 450 B622
English summary.

39636 KALDEWEY, H. Winterbotanik. Orion 8:151-157. Feb.1953. 474 Or4
Identification of trees.

39637 KIFFMANN, R. Die landwirtschaftlich bedeutsamsten platterbsen-(Láthyrus-) arten. Z. f. Pflanzenbau u. Pflanzenschutz 3:97-123. 1952. 464.8 P88
Germany.

39638 KOSTERMANS, A. J. G. H. A historical survey of Lauraceae. III. J. Sci. Res. 1:141-159. June/July 1952 475 J822

39639 KRISHTOFOVICH, A. N. Two remarkable plants of China. (In Russian.) Priroda 42:76-78. Jan. 1953. 410 P933
Metasequoia glyptostroboides and Nelumbium.

39640 KUMMER, G. Schaffhauser volksbotanik. 1. Die wildwachsenden pflanzen. Natforsch. Gesell. Schaffhausen. Neujahrsbl. 5,130 p. 1953. 508 Sch1N

39641 KURATA, S. On the distribution of Tanakaea in Prov. Izu. (In Japanese.) J. Jap. Bot. 28:31-32. Jan. 1953. 450 J8223
English summary.

39642 LAM, H. J. L'évolution des plantes vasculaires. Ann. Biol. (ser.3)28:C57-C88. Ref. May/June 1952. 442.8 An7
Includes discussion.

39643 LAWALREE, A. Deux hybrides, Polygonum convolvulus x dumetorum. Brussels. Jard. Bot. de l'Etat B. 22:211-213. Dec.1952. 451 B83B

39644 LAWALREE, A. Le groupe du Valeriana officinalis L. en Belgique. Brussels. Jard. Bot. de l'Etat. B 22:193-200. Dec.1952. 451 B83B

39645 LAWALREE, A. Spermatophytes, volume 1, fascicule 1. Bruxelles,1952. 170 p. (Brussels. Jardin Botanique de l'Etat. Flore générale de Belgique) 459.4 B83Fs

39646 LEONARD, J. Notulae systematicae. XIII. Caesalpiniaceae africanae (Cynometra, Didelotia, Zingania, Cryptosepalum, Pynaertiodendron). Brussels. Jard. Bot. de l'Etat. B. 22:201-210. Dec.1952. 451 B83B

39647 LEWIS, H. The mechanism of evolution in the genus Clarkia. Evolution 7:1-20. Ref. Mar.1953. 443.8 Ev62

39648 LI, H. L. The genus Veronica (Scrophulariaceae) in China. Acad. Nat. Sci. Phila. Proc. 104:197-218. 1952. 500 P53

39649 LI, H. L. The species of Pittosporum in Formosa. Wash. Acad. Sci. J. 43:43-46. Feb.1953. 500 W276J

39650 LID, J. New plant finds in Norway during the years of 1950 and 1951. (In Norwegian.) Blyttia 4:95-105. Ref. 1952. 450 B622
English summary.

39651 MALATO-BELIZ, J. Dos nuevas variedades botánicas de "Triticum polonicum" L. Spain. Inst. Nac. de Invest. Agron. B. 12:589-591. Dec.1952. 105.6 Sp14
English summary.

39652 MANSFELD, R. Zur systematik und nomenklatur der hirsen. Züchter 22(10/11):304-315. Ref. 1952. 442.8 Z8

39653 MELVILLE, R. Pinus nigra var. leucodermis. Curtis's Bot. Mag. 169:Tab.190 and text. Oct.1952. 450 C94

39654 MEUSEL, H. Uber wuchsformen, verbreitung und phylogenie einiger mediterran-mitteleuropäischer Angiospermen-gattungen. Flora [Jena] 139:333-393. Ref. Oct.24,1952. 450 F66

39655 MIMEUR, G. Sur l'origine phylétique du genre Eragrostis. Mus. Natl. d'Hist. Nat. B. (ser.2)24:404-406. July 1952. 410.9 P213

39656 MOLINA R., A. Cinco nuevas plantas leñosas de Honduras. Ceiba 3:165-171. Jan.30,1953. 475 C32
New species in Zanthoxylum, Colubrina, Calyptranthes, and Eugenia.

39657 OLBERG, G. Sumpf- und wasserpflanzen. Neue Brehm-Bücherei 59,88 p. 1952. 409 N392

39658 PALMGREN, A. Carex praecox Schreb. new to Aland. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:63. 1950/51,pub.1952. 511 H365Me

39659 PALMGREN, A. New locality for Aira praecox L. on Aland. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:63. 1950/51,pub.1952. 511 H365Me

39660 PARDY, A. A. Notes on indigenous trees and shrubs of Southern Rhodesia. Rhodesia Agr. J. 49:316-317. Nov./Dec.1952. 24 R34

39661 PERRIER DE LA BATHIE, H. Sur le genre Androya gen. nov, (Oleaceae) de Madagascar. Mus. Natl. d'Hist. Nat. B. (ser.2)24:400-401. July 1952. 410.9 P213

39662 PETERS, G. H. The trees of Long Island. Long Isl. Hort. Soc. P. 1,63 p. Summer 1952. 81 L86P
Includes list of 68 native species.

39663 PILIPENKO, F. S. New trees and shrubs on the shores of the Black Sea in the Caucasus. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:21-31. 1952. 451 M854

39664 QUISUMBING, E. Vanilla of the Philippines. Philippine Orchid Rev. 5:2-6. Jan.1953. 80 P53

39665 RESHCHIKOV, M. A. New discoveries of feather grass [Stipa] in Transbaikalia. (In Russian.) Bot. Zhur. 37(6):861-862. Nov./Dec.1952. 451 R923

39666 ROBERTY, G. Les Eragrostis ouest-africains. Inst. Franç. d'Afrique Noire. B. 15:83-92. Jan.1953. 515 D14

39667 ROBERTY, G. Notes de botanique ouest-africaine. VI. Plantes banales dans le Sahel de Nioro. Inst. Franç. d'Afrique Noire. B. 15:442-452. Jan.1953. 515 D14

39668 SAAKOV, S. G. Results of introducing palms into USSR territory. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:16-75. Ref. 1952. 451 Ak15

39669 SAUVAGE, C., and VINDT, J. Flore du Maroc. I. Soc. des Sci. Nat. du Maroc. Sect. de Pédol. Trav. 4, 148 p. 1952. 56.9 So36

39670 SCHNEE, L. Orquideas nuevas de Venezuela. Venezuela. U. Cent. Facul. de Ingen. Agron. Rev. 1:115-121. June 1952. 9.95 V555
New species in Ornithocephalus, Pleurothallis, Oncidium, and Lockhartia.

39671 SCHNELL, R. Contribution à l'étude des Uragoga (Rubiacées) de l'Ouest Africain. Inst. Franç. d'Afrique Noire. B. 15:98-132. Jan.1953. 515 D14

39672 SCHNELL, R. Plantes nouvelles ou peu connues d'Afrique occidentale française (Guinée et Côte d'Ivoire). Inst. Franç. d'Afrique Noire. B. 15:93-97. Jan.1953. 515 D14
Includes new species in Popowia and Gymnosporia.

39673 SCHUBERT, B. G. Notes on Desmodium and Droogmansia in the Belgian Congo. Brussels. Jard. Bot. de l'Etat. B. 22:287-307. Dec.1952. 451 B83B

39674 SCHWEINFURTH, C. The genus Epidendrum. Amer. Orchid Soc. B. 22:205,208. Mar.1953. 80 Am329

39675 SCHWEINFURTH, C. Miscellaneous notes on tropical American orchids. Harvard U. Bot. Mus. L. 16(1),20 p. Feb.12,1953. 451 H262
Mainly Peru.

39676 SEALY, J. R. Buddleia heliophila. Curtis's Bot. Mag. 169:Tab.193 and text. Oct.1952. 450 C94

39677 SEALY, J. R. Cyclamen rohlfsianum. Curtis's Bot. Mag. 169:Tab.192 and text. Oct.1952. 450 C94

39678 SEALY, J. R. Prinsepia utilis. Curtis's Bot. Mag. 169:Tab.194 and text. Oct.1952. 450 C94

39679 SMITH, L. B. Borrichia frutescens from Chesapeake Bay. Rhodora 55:58-59. Feb.1953. 450 R34

39680 STANDLEY, P. C., and WILLIAMS, L. O. Eremogeton, a new generic name (Scrophulariaceae). Ceiba 3:172-173. Jan.30,1953. 475 C32

39681 STEYERMARK, J. A. A second species of Schismocarpus. Torrey Bot. Club B. 80:138. Mar./Apr.1953. 451 T63B

39682 TAKEMOTO, T. Comparative studies on Ixeris stolonifera (2x) and Ixeris japonica (6x). Bot Mag. 65:164-167. July/Aug.1952. 450 B651

39683 TÖRNROTH, H. Juncus macer Gray, new to Finland. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:8-10. 1950/51,pub.1952. 511 H365Me

39684 TSITSIN, N. V., and PETROVA, K. A. Elymus and its biological characteristics. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:32-41. Ref. 1952. 451 M854

39685 TURRILL, W. B. Deutzia X rosea. Curtis's Bot. Mag. 169:Tab.189 and text. Oct.1952. 450 C94

39686 TURRILL, W. B. Eranthis X tubergenii. Curtis's Bot. Mag. 169:Tab.196 and text. Oct.1952. 450 C94

39687 TURRILL, W. B. Gentiana asclepiadea. Curtis's Bot. Mag. 169:Tab.191 and text. Oct.1952. 450 C94

39688 TURRILL, W. B. Moraea gigandra. Curtis's Bot. Mag. 169:Tab.188 and text. Oct.1952. 450 C94

39689 TURRILL, W. B. Muscari tubergenianum. Curtis's Bot. Mag. 169:Tab.195 and text. Oct.1952. 450 C94

39690 UITEWAAL, A. J. A. New forms of the genus Adromischus. (In Dutch.) Succulenta 1:7-10. Jan./Feb. 1953. 450 Su12

39691 VERDCOURT, B. A revision of certain African genera of herbaceous Rubiaceae. I. The genus Pentanisia Harvey. Brussels. Jard. Bot. de l'Etat. B. 22:233-286. Ref. Dec.1952. 451 B83B

39692 VOROSHILOV, V. N. Tall Aconitum and its related varieties on SSSR territory. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:59-63. 1952. 451 M854

39693 WALTHER, E. Sedeveria, a new bigeneric hybrid. Cactus & Succulent J. 25:20-21. Jan./Feb.1953. 451 C11
Hybrid of Echeveria and Sedum.

39694 WINTERRINGER, G. S. Additional notes on Arundinaria gigantea. Rhodora 55:60. Feb.1953. 450 R34

39695 YAMANAKA, T. Pinguicula vulgaris var. macroceras Herd. newly found in Shikoku. J. Jap. Bot. 28:30-31. Jan.1953. 450 J8223

39696 ZIM, H. S., and MARTIN, A. C. Trees; a guide to familiar American trees. New York,Simon & Schuster,1952. 157 p. (Golden Nature Guide) 99.3 Z6

Pteridophytes

39697 ALLSOPP, A. Experimental and analytical studies of Pteridophytes. XIX. Investigations on Marsilea. 2. Ann. Bot. (n.s.)17:37-55. Ref. 1953. 450 An7

39698 ALSTON, A. H. G., and SCHELPE, E. A. C. L. E. An annotated check-list of the Pteridophyta of southern Africa. J. So. African Bot. 18:153-176. Oct.1952. 450 J8262

Bryophytes

39699 BARTRAM, E. B. High altitude mosses from Mauna Kea, Island of Hawaii. Bernice P. Bishop Mus. Occas. Papers 20:297-300. Apr.18,1952. 500 B45O

39700 BERGHEN, C. V. Note sur un Riccia de Mauritanie. Rev. Bryologique et Lichenologique (n.s.)21:242-243. 1952. 450 R325

39701 BIZOT, M. Fissidens warnstorfii Fleisch. en Côte-d'Or. Rev. Bryologique et Lichenologique (n.s.)21: 254-255. 1952. 450 R325

39702 BIZOT, M., and POTIER DE LA VARDE, R. Sur l'existence du genre Vesicularia en Afrique du Nord. Rev. Bryologique et Lichenologique (n.s.)21:226-228. 1952. 450 R325

39703 BUEN, H. A contribution to the Sphagnum flora of Telemark, southern Norway. (In Norwegian.) Blyttia 10:88-94. 1952. 450 B622
English summary.

39704 DOIGNON, P. Evolution du peuplement muscinal des chablis pourrissants dans les réserves biologiques du Massif de Fontainebleau. Rev. Bryologique et Lichenologique (n.s.)21:244-253. 1952. 450 R325

39705 HATTORI, S. Hepaticarum species novae et minus cognitae Nipponenses. VII. Bot. Mag. 65:13-17. Jan./Feb.1952. 450 B651
Includes new species in Frullania and Lejeunea.

39706 HERZOG, T. Drei neue lebermoose aus Westpatagonien. Rev. Bryologique et Lichenologique (n.s.)21: 256-261. 1952. 450 R325
New species in Schistochila, Pachyglossa, and Plagiochila.

39707 HERZOG, T. Miscellanea Bryologica. III. Soc. pro Fauna et Flora Fenn. Memo. 27:92-110. 1950/51,pub.1952. 511 H365Me
Includes new species in Lepidozia, Schistochila, Harpalejeunea, Lophocolea, Isotachis, Madotheca, Physocolea, Cephalozia, Nowellia, Tortula, Macromitrium, and Colobodontium.

39708 JOVET-AST, S. Micropterygium: localités nouvelles. Rev. Bryologique et Lichenologique (n.s.)21: 287. 1952. 450 R325

39709 KAMIMURA, M. Uber die serologisch-systematische untersuchung der lebermoosen. I. Uber die systematische untersuchung der verwandtschaften von Anthocerotales. Bot. Mag. 65:207-210. Sept./Oct.1952. 450 B651

39710 LACHMANN, A. Breutelia chrysocoma (Dicks.) Lindb. dans les Monts d'Arree en Bretagne. Rev. Bryologique et Lichenologique (n.s.)21:272-273. 1952. 450 R325

39711 NOGUCHI, A. On Campylopodium euphorocladum and a species of Microcampylopus (Musci.). (In Japanese.) Bot. Mag. 65:86-89. Mar./Apr.1952. 450 B651
English summary.

39712 NOGUCHI, A. On some mosses found among the ancient Japanese silk-clothes. (In Japanese.) J. Jap. Bot. 27:361. Dec.1952. 450 J8223

39713 SAKURAI, K. Mosses in the estate of Ise Grand Shrine. II. Bot. Mag. 65:90-92. Mar./Apr.1952. 450 B651
Includes new species in Fissidens, Merceya, Campylopus, Taxiphyllum and Aptychopsis.

39714 SAKURAI, K. Observation of the genus Klaeria-Paraleucobryum, Orthodicranum and Dicranoloma in Japan. (In Japanese.) Bot. Mag. 65:251-256. Sept./Oct. 1952. 450 B651
Latin diagnoses of new species in Dicranoloma.

39715 TAKAKI, N. Notes on Japanese moss flora. 6. (In Japanese.) J. Jap. Bot. 28:4-10. Jan.1953. 450 J8223
English summary.

39716 TIKHOMIROV, B. A. Importance of moss covering in plant life of the extreme North. (In Russian.) Bot. Zhur. 37:629-638. Ref. Sept./Oct.1952. 451 R923
Tundra.

Algae

39717 CLEVE-EULER, A. Die diatomeen von Schweden und Finnland. V. Svenska Vetenskakad. Handl. (ser.4)3(3),153 p. 1952. 502 St6H

39718 COOPER, I. C. G. Chlamydomonas dysosmos, Moewus, in Staten Island. Staten Isl. Inst. Arts & Sci. Proc. 14:74-75. Fall 1952. 500 St2

39719 DANGEARD, P. Algues de la presqu'ile du Cap Vert (Dakar) et de ses environs. Botaniste 36:193-329. Ref. 1952. 450 B657
Includes new species in Ulvella, Rhizenteron n. g., Acrochaetium, Hypnea, Gymnogrongus, Ceramium, and Chondria.

39720 DAWSON, E. Y. Marine red algae of Pacific Mexico. I. Allan Hancock Pacific Exped. Rpt. 17(1),238 p. 1952. 409 L89

39721 FAEGRI, K., and MOSS, E. On the occurrence of the genus Codium along the Scandinavian coasts. Blyttia 4:108-113. Ref. 1952. 450 B622

39722 FUKUSHIMA, H. Les algues d'eau douce observées pour la première fois au Japon. 4. (In Japanese.) J. Jap. Bot. 28:21-25. Jan.1953. 450 J8223

39723 HISAUCHI, K. Non-vascular plants from Lake Nosori, Gunma Prefecture. (In Japanese.) J. Jap. Bot. 28:29-30. Jan.1953. 450 J8223
Algae, Lichenes, Hepaticae.

39724 IMAHORI, K. Miscellaneous papers on the East Asiactic Charophyta. 3. (In Japanese.) J. Jap. Bot. 28:11-16. Ref. Jan.1953. 450 J8223
English summary.

39725 KNUDSON, B. M. The diatom genus Tabellaria. II. Ann. Bot. (n.s.)17:131-155. Ref. 1953 450 An7

39726 KOBAYASHI, Y., and FUKUSHIMA, H. On the red and green snow newly found in Japan. I-II. (In Japanese.) Bot. Mag. 65:77-85,128-136. Ref. Mar./Apr.-May/June 1952. 450 B651
English summary.
Algae and fungi.

39727 MABILLE, J. Quelques Cyanophycées de la région de Saint-Quentin (Aisne). Rev. Gén. de Bot. 60: 22-32. Jan.1953. 450 R326

39728 METER, K. I. Method of phylogenetic systematics of green algae [Chlorophyta]. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):56-64. Ref. 1952. 511 M85

39729 OKADA, Y. On the reversion of Phylloderma sacrum Sur. (In Japanese.) J. Jap. Bot. 28:17-20. Jan. 1953. 450 J8223

Fungi (Including Lichens)

39730 ABBAYES, H. DES. Lichens récoltés en Guinée Française et en Côte d'Ivoire (Missions H. des Abbayes, 1948 et 1951). VII. Inst. Franç. d'Afrique Noire. B. 15:48-58. Ref. Jan.1953. 515 D14
Includes a new species in Laurera.

39731 ASAHINA, Y. An addition to the Sato's Lichenes Khinganenses (Bot. Mag. Tokyo, 65:172). (In Japanese.) J. Jap. Bot. 27:373-375. Dec.1952. 450 J8223

39732 ASAHINA, Y. Lichen vegetation of Oze-gahara and its vicinities. (In Japanese.) J. Jap. Bot. 27: 376-379. Dec.1952. 450 J8223

39733 ASAHINA, Y. Lichenologische notizen. 88-89. (In Japanese.) J. Jap. Bot. 28:1-3. Jan.1953. 450 J8223
Includes English and German descriptions.

39734 BACHINSKAÍA, A. A., and KONDRAT'EVA, A. A. New species of a fungus, Endomyces ascosporus. (In Russian.) Mikrobiologiia 21:657-664. Nov./Dec.1952. 448.3 M582

39735 BAXTER, J. W. South American species of Puccinia on Salvia. Mycologia 45:115-135. Jan./Feb. 1953. 450 M99
Includes two new species.

39736 BECKER, G. Agaricus campester. Rev. de Mycol. 17:185-188. Nov.1,1952. 450 An74

39737 BENEDIX, E. H. Zur gymnokarpen entwicklung von Geoporella. Z. f. Pilzk. 13:6-12. Ref. Feb.1953. 450 Z352

39738 BOULY DE LESDAIN, M. Lichens rares ou nouveaux recueillis dans les départements des Basses-Alpes et du Vaucluse par M. Clauzade en 1951. Rev. Bryologique et Lichenologique (n.s.)21:274-275. 1952. 450 R325
Includes new species in Lecanora and Lecidea.

39739 BULAT, T. J. Cultural studies of Dacrymyces ellisii. Mycologia 45:40-45. Jan./Feb.1953. 450 M99

39740 CASH, E. K. A check list of Alaskan fungi. Plant Dis. Rptr. Sup. 219,70 p. Ref. Feb.15,1953. 1.9 P69P
Includes Host Index.

39741 CHADEFAUD, M. Sur un Hypocopra, sa position systématique, ses spores et ses asques. Acad. des Sci. Compt. Rend. 236:513-514. Feb.2,1953. 505 P21

39742 CHIBA, O., and TERAMOTO, T. Wood-rotting fungi collected in the Tokyo University Forest in Hokkaido. (In Japanese.) Tokyo U. Forests. B. 43:19-37. June 1952. 99.9 T57
English summary.

39743 COOK, M. T. Species of Synchytrium in Louisiana. VIII. New species. Mycologia 45:101-114. Jan./Feb.1953. 450 M99

39744 COOKE, W. B., and SHAW, C. G. The Suksdorf fungus collections. Wash. State Col. Res. Studies 20:135-145. Dec.1952. 500 W279
Collection of W. N. Suksdorf in herbarium willed to State College of Washington.

39745 CULBERSON, W. L. Etude systématique et phytogéographique de l'Enterographa crassa (DC.) Fée. Rev. Bryologique et Lichenologique (n.s.)21:276-284. Ref. 1952. 450 R325

39746 DAVIDSON, R. W., and LOMBARD, F. F. Large-brown-spored house-rot fungi in the United States. Mycologia 45:88-100. Ref. Jan./Feb.1953. 450 M99

39747 DRECHSLER, C. Three new species of Conidiobolus isolated from leaf mold. Wash. Acad. Sci. J. 43: 29-43. Feb.1953. 500 W276J

39748 DRECHSLER, C. Two new species of Conidiobolus occurring in leaf mold. Amer. J. Bot. 40:104-115. Ref. Mar.1953. 450 Am36

39749 DUDDINGTON, C. L. A new species of Stylopage [S. cymosa] capturing amoebae in dung. Ann. Bot. (n.s.)17:127-129. 1953. 450 An7

39750 DUPIAS, G. Sur deux nouveaux cycles d'Urédinées. Acad. des Sci. Compt. Rend. 236:962-963. Mar.2,1952. 505 P21

39751 EBERT, P. Die gattung Inocybe und ihre vertreter in Sachsen. Z. f. Pilzk. 13:13-18. Feb.1953. 450 Z352

39752 FAEGRI, K. On the occurrence of Siphula ceratites in northern Europe. (In Norwegian.) Blyttia 10:77-87. Ref. 1952. 450 B622
English summary.

39753 GEORGI, P. Beobachtungen an der erdtrüffel. Urania 16:70-71. Feb.1953. 474 UrL
Geoporella.

39754 GILMAN, J. C. The pure culture in taxonomy. Mycologia 45:1-6. Jan./Feb.1953. 450 M99

39755 HAAS, H. Pilzkunde und pflanzensoziologie. Z. f. Pilzk. 13:1-5. Feb.1953. 450 Z352

39756 HANNA, C., and BULAT, T. J. Pigment study of Dacrymyces ellisii. Mycologia 45:143-144. Jan./Feb. 1953. 450 M99

39757 HASSELL, F. C. The fungi of North Bull Island, Co. Dublin. Irish Nat. J. 11:3-7. Jan.1953. 410 Ir42

39758 HAYREN, E. Some Ramalina varieties in Finland. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:83-89. Ref. 1950/51,pub.1952. 511 H365Me

39759 HEIM, R., and BECKER, G. Un nouveau Limacium du Jura, Hygrophorus (Limacium) vaticanus sp. nov. Rev. de Mycol. 17:165-167. Nov.1,1952. 450 An74

39760 HOLTON, C. S. Tilletia elymi, an apparently homothallic species. Phytopathology 42:635-636. Nov. 1952. 464.8 P56

39761 HONGO, T. Notes on Japanese larger fungi. 4. J. Jap. Bot. 27:368-372. Dec.1952. 450 J8223

39762 KATSUKI, S. Notes on some new or noteworthy fungi in Kyushu. 4. Kyushu Noji Shikenjo 10:158-159. Sept.1952. 107.6 K996

39763 KHABIRI, E. Contribution à la mycoflore de l'Iran. Première liste. Rev. de Mycol. 17:154-157. Nov. 1,1952. 450 An74

39764 LEHNER, A. Ein beitrag zur kenntnis von Stachybotris lobulata (Berk.). Z. f. Pflanzebau u. Pflanzenschutz 3:173-181. 1952. 464.8 P88

39765 LEPPIK, E. E. Some viewpoints on the phylogeny of rust fungi. I. Coniferous rusts. Mycologia 45:46-74. Ref. Jan./Feb.1953. 450 M99

39766 MASUMOTO, S. Taxonomic studies of soil Actinomyces in Japan. (In Japanese.) Bot. Mag. 65: 71-76,123-127. Mar./Apr.-May/June 1952. 450 B651

39767 PUYMALY, A. DE. Sur l'Arnoldia minutula Bornet. Botaniste 36:331-337. 1952. 450 B657

39768 RAMAKRISHNAN, T. S., SRINIVASAN, K. V., and SUNDARAM, N. V. Additions to the fungi of Madras. XIII. Indian Acad. Sci. Proc. Sect. B 36:85-95. Aug. 1952. 513 In25B
New species in Aecidium, Puccinia, Uredo, Uromyces and Microstroma.

39769 RAPILLY, D. Sur le terrain avec les naturalistes parisiens, notes mycologiques sur trois excursions de l'automne 1952. Feuille des Nat. (n.s.)7: 81-85. Nov./Dec.1952. 410 F432

39770 SATO, M. Lichenes Khinganenses: or a list of lichens collected by Prof. T. Kira in the Great Khingan Range, Manchuria. Bot. Mag. 65:172-175. July/Aug. 1952. 450 B651

39771 SCHWOBEL, H. Lepidella (Amanita) echinocephala (Vitt.) Gilb. in der Karlsruher umgebung. Z. f. Pilzk. 13:18-21. Feb.1953. 450 Z352

39772 SILVERBORG, S. B. Fungi associated with the decay of wooden buildings in New York State. Phytopathology 43:20-22. Ref. Jan.1953. 464.8 P56

39773 SINGER, R. Le genre Gloiocephala Massee. Rev. de Mycol. 17:161-164. Nov.1,1952. 450 An74

39774 STORDAL, J. Larger fungi from Hallingdal, southern Norway. Blyttia 4:114-120. 1952. 450 B622

39775 SUBRAMANIAN, C. V. Fungi imperfecti from Madras. I. Indian Acad. Sci. Proc. Sect. B 36:43-53, 160-168. Aug.,Oct.1952. 513 In25B
Includes new species in Beltrania and Macraea n.g.

39776 THIRUMALACHAR, M. J., and NARASIMHAN, M. J. A new Sclerospora [S. dichanthicola] on Dichanthium annulatum. Phytopathology 42:596-598. Nov.1952. 464.8 P56

39777 TOGASHI, K., and KATSUKI, S. New or noteworthy Cercosporae from Japan. Bot. Mag. 65:18-26. Jan./Feb.1952. 450 B651
Includes new species.

39778 UEDA, K., and others. Studies on the aerobic mesophilic cellulose-decomposing bacteria. 5-1. Taxonomical study on genus Sporocytophaga. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:543-549. 1952. 385 Ag8
S. Ishikawa, T. Itami, and T. Asai, joint authors. English summary.

39779 WILLS, W. H. A large specimen of Polyporus berkeleyi. Mycologia 45:144-145. Jan./Feb.1953. 450 M99

39780 WOLF, F. T. Some fungi from central Tennessee. Tenn. Acad. Sci. J. 28:8-19. Ref. Jan.1953. 500 T25A

PATHOLOGY

General

39781 ABRAHAMSE, S. Use of carbamates. (In Dutch.) Fruitteelt 43:110. Feb.7,1953. 86 N28

39782 ASHWORTH, DE B. Developments in and formulation of chemicals in crop protection. Chem. & Drug. 159:162-166. Ref. Feb.14,1953. 396.8 C42
Insecticides, fungicides, and herbicides.

39783 BAIN, D. C., and HARE, W. W. Vegetable diseases and their control in Mississippi. Miss. Agr. Expt. Sta. B. 453,rev.,31 p. Dec.1952. 100 M69

39784 BANOLAS, H. Dos problemas para la Maresma. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:242-246. Oct.1952. 15 C14
Frost protection and disease control.

39785 BARAT, H. Etude sur le dépérissement des poivrières en Indochine. Arch. des Rech. Agron. au Cambodge, au Laos, et au Viêtnam 13,92 p. 1952. 22.5 Sa22

39786 BELÍAEV, I. M. Complex chemical method to control predators, diseases and weeds among grain crops. (In Russian.) Selek.i Semen. 19(11):57-66. Nov.1952. 61.9 Se5

39787 BERAN, F. Fortschritte der genossenschaftlichen schädlingsbekämpfung. Pflanzenarzt 6(2):3. Feb. 1,1953. 464.9 P482

39788 BJEGOVIC, P. Apparition en masse de rongeurs en Serbie et en Bosnie. (In Serbo-Croatian.) Zastita Bilja 12:101-102. 1952. 464.8 Z1
French summary.

39789 BOERGER, A. Obtención en La Estanzuela de un Lolium multiflorum resistente a Schizaphis graminum y Puccinia coronata. Arch. Fitotéc. del Uruguay 5:155-156. 1952. 102.5 Ur8A
English summary, p. 178.

39790 BOLTON, A. Technique of breeding disease resistant tobacco. Rhodesian Tobacco J. 5:95-98. (Extr.) Jan.1953. 69.8 R34

39791 BONING, K. Krankheiten und schädlinge an mais. Pflanzenschutz 4:103-107. Sept.1952. 464.8 P48

39792 BRAUN, A. J. Concentrate sprays for grape diseases show promise. Farm Res. [N. Y. Sta.] 19:10. Jan.1953. 100 N48A

39793 BREVES, J. Eine neue, bewährte baumschulspritze. Deut. Baumsch. 5:18,20. Jan.1,1953. 80 D486

39794 BROWN, I. L. Efficient application of sprays. Fruit & Prod. 7(7):15-17. Dec.1952. 80 F9427

39795 CASTELLANI, E. Problems in plant pathology in the central-southern States of Brazil. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.1,p.411-484. Firenze,1952. 282.2 R66

39796 CHALTIN, G. Les parasites de l'épinard. Cour Hort. 15:95-96. Feb.1953. 80 C834

39797 CHALTIN, G. Les parasites du poireau. Cour. Hort. 15:24-26. Jan.1953. 80 C834

39798 CICCARONE, A. Disease outbreaks on economic plants in Italy. Plant Protect. B. [Rome] 1:49-51. Jan.1953. 421 P692

39799 CLAPP, R. What's that on your glads? Gladiolus 28:100-105. 1953. 96.43 N44
Fungus and virus.

39800 CLELAND, J. W. Slug control. New Zeal. Ent. 1(2):6. Sept.1952. 421 N48
Grain pest.

39801 CLERENS, A. Possibility of applying some recent new materials in plant pharmacy. (In Flemish.) Agricultura [Louvain] 50:121-132. Dec.1952. 13 R32
French summary.
Seed disinfectants, fungicides, and insecticides.

39802 COLORADO AGRICULTURAL AND MECHANICAL COLLEGE. Estimated losses in yields due to diseases of major crops in Colorado for 1952. Plant Dis. Rptr. 37:118-120. Feb.15,1953. 1.9 P69P

39803 CONGRES INTERNATIONAL DE PHYTOPHARMACIE, 3, PARIS, 1952. Compte rendu de mission, par Jordan. Terre Marocaine 27(278):9-13. Jan.1953. 24 T44

39804 CONNERS, I. L. Some notes on the observation of plant diseases. (Abs.) Canad. Phytopath. Soc. Proc. 20:14-15. 1952,pub.1953. 464.9 C162

39805 CORDY, C. B. Medford pear spray recommendations. West. Fruit Grower 7(2):21. Feb.1953. 95.8 G762

39806 CORMACK, M. W., and HARPER, F. R. Root diseases of sugar beets in Alberta. (Abs.) Canad. Phytopath. Soc. Proc. 20:15. 1952,pub.1953. 464.9 C162

39807 DAINES, R. H. Plant bed practices and sweet potato diseases. N. J. State Hort. Soc. Hort. News 34: 2601,2603. Feb.1953. 81 N46

39808 DAVIS, G. Mechanical injuries to potatoes. Oreg. Seed Growers League 11:109. 1952. 61.9 Or3

39809 DE ONG, E. R. Insect, fungus and weed control. New York,Chem. Pub. Co.,1953. 400 p. Ref. 464.4 D44

39810 DIEHL. Erfolgreiche gemeinschaftsarbeit. Gesunde Pflanzen 5:29-33. Feb.1953. 464.8 G33
Plant disease and pest control in Germany.

39811 DUFFY, L. Concentrate spraying. Fruit & Veg. Rev. 14(12):16-17. Mar.1953. 80 C1224

39812 DUKEL'SKAÍÀ, N. M., and VASIL'EVSKIÏ, A. P. Control of mouse-like rodents on territory of Main Botanical Garden. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:87-81. 1952. 451 M854

39813 DURBIN, R. D. Hosts of the branched broomrape [Orobanche ramosa] and its occurrence in California. Plant Dis. Rptr. 37:136-137. Mar.15,1953. 1.9 P69P

39814 DURGEAT, L. A. Comment lutter contre les ennemis de la betterave. II. Betteravier Franç. 5:12-13. Feb.15,1953. 66.8 B462

39815 EKBRANT, L. Hail injuries to vegetables. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 31:8-9. Jan.1953. 49.9 Sk1

39816 ESTIENNE, V. Y a-t-il des progrès en phytopathologie? Agricultura [Louvain] 50:133-148. Ref. Dec.1952. 13 R32

39817 EVANS, J. Plant disease forecasters beat the bugs. Iowa Agr. 51(6):9,14-15. Feb.1953. 6 Io9

39818 EVERY, R. W., and O'REILLY, H. J. Control of insects and diseases in Oregon. West. Fruit Grower 7(2):26-29. Feb.1953. 95.8 G762

39819 FAL'KENSHTEĬN, B. New methods for controlling rodents [in nurseries, orchards and shelterbelts]. (In Russian.) Kolkhoz. Proizvodstvo 12(12):57-58. Dec. 1952. 281.8 K83

39820 FJELDDALEN, J., and RAMSFJELL, T. Spraying of fruit trees and berry bushes. (In Norwegian.) Kolonihagen 23:29,31,33,35,37-38. Feb.1953. 80 K83

39821 FOGLIANI, G. Presence of a grape disease attributed to the infective degeneration (leaf curl, roncet, etc.) in San Colombano al Lambro (Milano). (In Italian.) Not. sulle Mal. delle Piante 20:32-35. July/Sept.1952. 464.8 N84
English summary, p. 50.

39822 FRASELLE, J. La sélection des plantes pour leur résistance aux maladies. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 2:1-4. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb. 1953. 24 K83

39823 FRASELLE, J. V. Inspection phytosanitaire de quelques palmeraies du Mayumbe. Belgium. Min. des Colon. B. Agr. du Congo Belge 44:75-90. Feb.1953. 24 K83
Diseases.

39824 FULKERSON, J. F. Peach spraying. Mountaineer Grower 23(195):47,49. Feb.1953. 80 M86

39825 FULKERSON, J. F. Spraying in 1953. Mountaineer Grower 23(195):27,30. Feb.1953. 80 M86
Apples.

39826 GHILLINI, C. A., and MEZZINI, L. Survey of the most interesting diseases found from January 1 to Oct. 31, 1952. (In Italian.) Not. sulle Mal. delle Piante 20:29-32. July/Sept.1952. 464.8 N84
English summary p. 51.

39827 GILGUT, C. J. Fourteenth annual New York-New England Fruit Spray Specialists Conference, November 5 to 6, 1952; summary of disease incidence in 1952. Plant Dis. Rptr. 37:116-117. Feb.15,1953. 1.9 P69P

39828 GOULD, C. J., and EGLITIS, M. Rhododendron disease problems in Washington. Arboretum B. 15:18-19, 36. Spring 1952. 451 Ar1

39829 GOULD, E. West Virginia apple spraying experiences. N. J. State Hort. Soc. Hort. News 34:2608, 2614,2616. Feb.1953. 81 N46

39830 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. The mole. Gt. Brit. Min. Agr. & Fisheries Adv. L. 318, rev.,6 p. Dec.1952. 10 G79La

39831 HARADA, T., and OKA, T. On the putrefic phenomenon of the root in the rice plant. (In Japanese.) Kyushu Noji Shikenjo 10:143-144. Sept.1952. 107.6 K996

39832 HARRIS, M. R. Some common flower diseases. Wash. State Hort. Assoc. Proc. 48:127-138. 1952. 81 W273

39833 HASHIOKA, Y. A simplified method of rice seed treatment and application of arasan. (In Japanese.) Jap. J. Plant Protect. 34:173-175. Ref. Apr.1952. 421 J27

39834 HEDDERGOTT, H. Pflanzenschutz in Jugoslawien. Gesunde Pflanzen 5:16-19. Jan.1953. 464.8 G33

39835 HELTON, A. W. Curative and preventive methods in controlling fruit diseases. VII. A preliminary survey of preparation, use, and injury factors for pesticides. Idaho. Agr. Expt. Sta. Mimeog. L. 128,28 p. Jan. 1953. 100 Id12

39836 HENRY, A. W., and HORRICKS, J. S. Soil conditions and seed treatment. Alberta. U. Dept. Plant Sci. Seasonal Notes 38:6. Jan.3,1953. 64.9 AL12
Value of seed treatment.

39837 HENRY, B. W. A root rot of southern pine nursery seedlings and its control by soil fumigation. Phytopathology 43:81-88. Ref. Feb.1953. 464.8 P56
Evidence indicates a nematode-fungus complex.

39838 HEPTING, G. H. Forest tree diseases. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.89-92. Raleigh, 1952. 279.9 C7633

39839 HEUBERGER, J. W., and POULOS, P. L. Control of fire blight and frog-eye leaf spot (Black rot) diseases of apples in Delaware in 1952. Plant Dis. Rptr. 37:81-83. Feb.15,1953. 1.9 P969P
Erwinia amylovora and Physalospora abtusa.

39840 HEUBERGER, J. W., MACCREARY, D., and STEVENS, R. F. Delaware's 1953 recommendations for insect and disease control on vegetables. Del. U. Agr. Ext. Folder 33,6 p. Jan.1953. 275.29 D37W

39841 HOLZ, W. Obstbaumspritzung im bauerngarten sehr notwendig! Landwirtbl. Weser-Ems 100:167-168. Feb.12,1953. 18 L2345

39842 HOLZ, W. Pflanzenschutzlicher warndienst 1953. Praxis u. Forsch. 5:17-18. Feb.20,1953. 18 P89

39843 HOOKER, W. J., and PETERSON, L. E. Controlling soil pox in sweet potatoes. Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:144-145. Feb.1953. 275.28 Io94

39844 HOOKER, W. J., and SHERF, A. What garden diseases in 1953? Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:120-121. Jan.1953. 275.28 Io94
Vegetable diseases.

39845 HOSOKAWA, S., TANAKA, S., and ISHIDA, Y. Effects of molding on the growth of paddy rice plants. II. (In Japanese.) Kyushu Noji Shikenjo 10:1-4. Sept.1952. 107.6 K996

39846 HUELSEN, W. A., and BROWN, W. N. Physical damage to sweet corn seed caused by mechanical harvesting and subsequent processing. Ill. Agr. Expt. Sta. B. 561, 45 p. Ref. Nov.1952. 100 IL6S

39847 IURA, M., and CHUMAN, K. Investigations of the damage of sweet potato by the typhoon Ruth. I-II. (In Japanese.) Kyushu Noji Shikenjo 10:53-56. Sept.1952. 107.6 K996

39848 IWAKIRI, F. Effect of organic fungicides to some plant diseases (especially on the effect of dithane). (In Japanese.) Jap. J. Plant Protect. 33:110-115. Mar. 1952. 421 J27

39849 IZUKA, K. Effect of dithane (Z-78) to some crop diseases. (In Japanese.) Jap. J. Plant Protect. 42:455-457. Ref. Dec.1952. 421 J27

39850 JEANTY, G. Pflanzenpflege und pflanzenschutz. Bauer 25(8):3. (Cont.) Feb.22,1953. 281.8 B323

39851 JOHANSEN, C. Mouse control in Yakima and Wenatchee Valley orchards with toxaphene. Wash. State Hort. Assoc. Proc. 48:80-82. 1952. 81 W273

39852 JOHNSON, F., and HARRIS, M. R. Spray schedule for peaches in western Washington. Wash. State Col. Ext. Mimeog. 1473,2 p. Feb.1953. 275.29 W27Mi

39853 JOHNSON, H. W., and KILPATRICK, R. A. Soybean diseases in Mississippi in 1951-52. Plant Dis. Rptr. 37:154-155. Mar.15,1953. 1.9 P69P

39854 KJELLANDER, E. Växtsjukdomar och deras bekämpande [Plant diseases and their control]. Stockholm,Bonniers,1952. 182 p. 464 K65

39855 KONDO, I. N. So called "boiling off" of grape buds in Uzbekistan. (In Russian.) Vinodel. i Vinograd. 12(9):39-44. Sept.1952. 95.8 V77
Discussion of cause of wilting.

39856 KOYAMA, S., and TAMURA, T. Studies on the ear-blight of Italian-millet. (In Japanese.) Kyushu Noji Shikenjo 10:180-181. Sept.1952. 107.6 K996

39857 KRUGERKE. Die obstbaumspritzung 1953. Obstbauberatungsring. Mittbl. 8:1-6. Feb.1,1953. 85 Ob72

39858 KUHL, R. Lebensweise, schäden und bekämpfung der sperlinge. Allgäuer Bauernbl. 21:128-129. Feb. 26,1953. 18 AL53
Includes damage to crops.

39859 LANDI, R. Study of lesions in wheat seeds. (In Italian.) Genet. Agr. 3:121-128. Ref. Nov.30,1951. 450 G28
English summary.
Tetrazolium to detect germination coefficient.

39860 LEACH, L. D. Seedling diseases of sugar beets in Ireland. n.p.,Econ. Coop. Admin. Tech. Asst. Div.,1952. 32 p. 173.2 Ec72See

39861 LEE, M. New chemical stops plant disease. Farm J. 77(4):46,183. Apr.1953. 6 F2212
N-trichloromethylthio-tetrahydrophthalimide; designated by the U. S. Department of Agriculture as "captan."

39862 LESSER, M. A. Drugs in agriculture. Drug & Cosmetic Indus. 72:170-171,260-265. Ref. Feb.1953. 396.8 D842
Plant disease control.

39863 LIEBSTER. Stippige äpfel. Obstbauberatungsring. Mittbl. 8:8. Feb.1,1953. 85 Ob72

39864 LIEBSTER. Zum thema: winterspritzung oder nicht? Obstbauberatungsring. Mittbl. 8:6-7. Feb. 1,1953. 85 Ob72

39865 LINFORD, M. B. Pineapple diseases and pests in Mexico. Plant Protect. B. [Rome] 1:21-25. Nov.1952. 421 P692

39866 LOCKWOOD, S., and WEIGLE, C. G. Delayed dormant spring, summer spray schedules. Calif. Farm Bur. Mon. 34(2):12-14. Feb.1953. 275.293 California
Control of fruit diseases and pests.

39867 LORCH, Y. Ecology of plant disease outbreaks. (In Hebrew.) Hassadeh 33:171-174. Dec.1952. 26 H27

39868 MARINKOVIC, B. Problem of dying away of evergreens—oak [Quercus ilex) in Dalmatia. (In Serbo-Croatian.) Sumarski List 76:403-408. Oct./Nov.1952. 99.8 Su6
Italian summary.

39869 MARSDEN, D. H. Some common noninfectious diseases of shade and ornamental trees in New England. Natl. Shade Tree Conf. Proc. 28:73-79. 1952. 99.9 N218

39870 MARSH, P. B. A test for detecting the effects of micro-organisms and of a microbial enzyme on cotton fiber. Plant Dis. Rptr. 37:71-76. Ref. Feb.15,1953. 1.9 P69P

39871 MARSHALL, J. More about concentrate spraying. Wash. State Hort. Assoc. Proc. 48:72-75, 77-79. 1952. 81 W273

39872 MATHIAS, A. F. Management of the spray program. Citrus Mag. 15(7):23-24. Mar.1953. 80 C498

39873 MATSUYAMA, H. The method of acceleration on rationalization of agricultural chemical industry. (In Japanese.) Jap. J. Plant Protect. 42:441-442. Dec. 1952. 421 J27

39874 MAYER, K. Problemstellungen der epidemiologie in historischer sicht. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:212-216. Ref. Nov.1952. 464.8 N11

39875 MIDDLETON, J. T., and KENDRICK, J. B. What is being done on tomato, spinach & lima bean diseases. West. Canner & Packer 45(3):57-60. Mar.1953. 286.83 W552

39876 MILLER, P. R. Plant disease situation in the United States. Plant Protect. B. [Rome] 1:17-18. Nov.1952. 421 P692

39877 MILLER, P. R. Plant disease situation in the United States. Plant Protect. B. [Rome] 1:36-37. Dec. 1952. 421 P692

39878 MILLER, P. R., and SASSCER, E. R. Plant diseases and insects in the United States. Plant Protect. B. [Rome] 1:56-57. Jan.1953. 421 P692

39879 MILLS, W. D., and LAPLANTE, A. A. 1953 spray schedules for tree fruits. N. Y. Agr. Col. Cornell Ext. B. 812,rev.,36 p. Feb.1953. 275.29 N48E

39880 MILLS, W. D., and LAPLANTE, A. A. Tree-fruit disease and insect control in the home garden. N. Y. Agr. Col. Cornell Ext. B. 665,rev.,4 p. Feb.1953. 275.29 N48E

39881 MISAKA, K. Present studies on rodent control. (In Japanese.) Jap. J. Plant Protect. 37/38:305-307. Aug.1952. 421 J27

39882 MURATA, M. On the handling standard order of sodium monofluoro acetate. (In Japanese.) Jap. J. Plant Protect. 33:101-104. Mar.1952. 421 J27

39883 MURPHY, A. M., and DOUGLASS, J. R. Effect of DDT on beet leafhoppers [Circulifer tenellus], curly top, and yields of sugar beet varieties. Amer. Soc. Sugar Beet Technol. Proc. 7:497-502. 1952. 66.9 Am35

39884 NETTLES, W. C. Insect and plant disease handbook, South Carolina. Clemson Agr. Col. S. C. Ext. B. 114,138 p. Dec.1952. 275.29 So8F

39885 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. Cranberry insect and disease control chart, 1953. New Brunswick,1953? 275.29 N46Cr

39886 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGICAL BR. Plant disease survey for the twelve months ending 30th June, 1952; twenty-second annual report. Sydney,1952. 47 p. 464.9 N47P

39887 NISHIDA, S. Injury of tobacco plants by water-soaking. (In Japanese.) Kyushu Noji Shikenjo 10:178. Sept.1952. 107.6 K996

39888 NOHARA, Y. On the control methods of the needle blight of "Sugi" (Cryptomeria japonica D. Don). (In Japanese.) Jap. J. Plant Protect. 33:122-126. Mar. 1952. 421 J27

39889 OKA, C. Some observations and studies on hail damages of Satsuma oranges. (In Japanese.) Shidzuoka, Japan. Citrus Expt. Sta. Contrib. 34,19 p. Ref. Mar.1952. 93.33 Sh62
English summary.

39890 PICHLER, F. Auswintern. Pflanzenarzt 6(2): 2-3. Feb.1,1953. 464.9 P482
Plant diseases.

39891 OORT, A. J. P. Control of blackberry diseases. (In Dutch.) Fruitteelt 43:111,125. Feb.7,1953. 86 N28

39892 PROPOSITIONS for the standardization of the names of active substances of fungicides and insecticides in Italian language. (In Italian.) Not sulle Mal. delle Piante 20:44-50. July/Sept.1952. 464.8 N84
English summary, p. 51.

39893 RAMSFJELL, T. Sjukdommer pa tulipan og narsiss [Diseases of tulips and narcissus]. Norway. Stat. Plantevern. Flygeskr. 42,ed.2,8 p. Nov.1952. 86 N83F

39894 ROLL-HANSEN, J. Steaming of soil for tomatoes. (In Norwegian.) Forsk. og Forsøk i Landbr. 3:229-257. 1952. 11 F772
English summary.

39895 ROWLEY, E. V., LOW, J. B., and KNOWLTON, G. F. Control of deer damage to orchard trees and ornamental shrubs. Utah. State Agr. Col. Ext. C. 177,2 p. Jan.1953. 275.29 Ut1

39896 RUNK, A. E. How I rout the squirrels, starlings, sparrows. Flower Grower 40(3):40-42. Mar.1953. 80 M72

39897 RUSDEN, P. L. Some infectious shade tree diseases common to eastern Massachusetts. Natl. Shade Tree Conf. Proc. 28:79-84. 1952. 99.9 N218

39898 RUSSO, G. Control of fruit and vegetable diseases and those of stored products. (In Italian.) Frutticolt. Campana 2(11):1,3. (Cont.) Nov.25,1952. 80 F9474

39899 RUSSO, G. Protection of field and horticultural crops. (In Italian.) Frutticolt. Campana 2(12):3. (Cont.) Dec.27,1952. 80 F9474

39900 SATYANARAYANA, G., and KALYANASUNDARAM, R. Soil conditions and root diseases. V. Symptomatology of wilted cotton and red gram. Indian Acad. Sci. Proc. Sect. B 46:54-58. Ref. Aug.1952. 513 In25B

39901 SCARAMUZZI, G. A virus-like disease of Cineraria. (In Italian.) Not. sulle Mal. delle Piante 21: 61-64. Oct./Dec.1952. 464.8 N84
English summary on p. 72.

39902 SCHMIDT, T. Die keimlingskrankheiten im gemüse- und zierpflanzenbau und ihre bekämpfung. Pflanzenarzt 6(2):4-5. Feb.1,1953. 464.9 P482

39903 SCHOEL, W. Umfang und bedeutung der pflanzensanitären gesundheitskontrolle. Allg. Forstz. 8: 76. Feb.4,1953. 99.8 AL52

39904 SCHOEL, W. Zum inkrafttreten des neuen zollämterverzeichnisses. Gesunde Pflanzen 5:44-46. Feb.1953. 464.8 G33

39905 SCHREIER, O. Das auftreten wichtiger krankheiten und schädlinge an kulturpflanzen in Osterreich im jahre 1952. Pflanzenschutzberichte 10:15-20. Jan.1953. 464.9 P48
English summary.

39906 SCHREIER, O. Pflanzenkrankheiten und -schadlinge im jahre 1952. Pflanzenarzt 6(2):3-4. Feb.1,1953. 464.9 P482
Austria.

39907 SCHRÖDTER, H. Zur phytopathologischen problematik von windschutzanlagen. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:91-92. May 1952. 464.9 N11
Meteorologische und Hydrologische Dienstes der DDR.

39908 SHERF, A. Plant disease outlook for 1953. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:115-116. Jan. 1953. 275.28 Io94

39909 SHERF, A. Seed cleaning and treating pays off. Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:133-134. Feb. 1953. 275.28 Io94

39910 SLEESMAN, J. P., and WILSON, J. D. Spray and dust formulas for the control of vegetable insects and diseases. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:129-132,134,136,138,140,142. 1952. 75.9 Oh3

39911 SLEESMAN, J. P., and WILSON, J. D. Up to date on insect and disease control in potatoes. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:94-97. 1952. 75.9 Oh3

39912 STANKOVIC, D. The wound healing of fruit trees as affected by graft wax and some growth regulating substances. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:205-211. Ref. 1952. 106.6 B41
English summary.

39913 STARNES, O. Presenting the 1953 blueberry insect and disease control recommendations. N. J. Agr. Expt. Sta. Cranberry-Blueberry Res. Lab. Annu. Blueberry Open House 21:15-17. Dec.5,1952. 94.35 N46A

39914 STARNES, O. Seed treatment is best buy in pest control. N. J. State Hort. Soc. Hort. News 34:2612-2613. Feb.1953. 81 N46
Vegetables.

39915 STEARNS, L. A., HENBERGER, J. W., and STEVENS, R. F. Delaware's 1953 spray schedules for control of fruit insects and diseases in orchards and home plantings. Del. U. Agr. Ext. Folder 32,8 p. Jan.1953. 275.29 D37W

39916 STOY, O. Leaf fall and leaf injuries 1952. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 23:147-150. 1952. 86 Sv2F
Fruit trees.

39917 SWANK, G., and PERRY, V. G. Control of disease in celery seedbeds with methyl bromide. Fla. Agr. Expt. Sta. C. S-55,8 p. Jan.1953. 100 F66Ci

39918 SWIFT, J. E. California spray program. West. Fruit Grower 7(2):11-16. Feb.1953. 95.8 G762

39919 TASUGI, H. Oil paper covered seed bed of rice plant and diseases. (In Japanese.) Jap. J. Plant Protect. 34:159-161. Apr.1952. 421 J27

39920 TUNKS, F. Iowa's deer; more bother than bounty? Iowa Agr. 51(6):8,16. Feb.1953. 6 Io9
Crop damage.

39921 UEDA, K. Cooperative control on wheat and barley at Shiga Prefecture. (In Japanese.) Jap. J. Plant Protect. 39/40:363-364. Oct.1952. 421 J27

39922 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Land slugs and snails and their control. U. S. D. A. Farmers B. 1895,rev.,8 p. Jan.1953. 1 Ag84F
Revision of an earlier edition of the bulletin written by W. H. White and A. C. Davis.

39923 U. S. EXTENSION SERV. Tree-wound dressings. Washington,1952. 2 p. 1.913 F2T712

39924 UTO, T. Symptomatic observation of abnormal withering in wheat plants. (In Japanese.) Kyushu Noji Shikenjo 10:140-142. Sept.1952. 107.6 K996

39925 VAJDA, Z. Les causes du dépérissement épidemique des ormes. (In Serbo-Croatian.) Glasnik za Sumske Pokuse 10:105-197. Ref. 1952. 99.1 Z1
French summary.

39926 VIEIRA, R. Diseases of our vines. (In Portuguese.) Frutas da Madeira 12:293-294,300-301. Jan. 1953. 286.83 F9423
Diseases and pests.

39927 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. DEPT. OF HORTICULTURE. Virginia spray bulletin, 1953; information for Virginia fruit growers. Va. Agr. Col. Ext. B. 131,rev.,23 p. Dec.1952. 275.29 V81B
Departments of Plant Pathology and Entomology cooperating.

39928 VLASVELD, W. P. N. Spraying chart for 1953. (In Dutch.) Fruitteelt 43:108-110. Feb.7,1953. 86 N28

39929 WAGGONER, P. E., and DIMOND, A. E. Examination of the possibility of therapy of plant disease with ionizing radiation. Phytopathology 42:599-602. Ref. Nov.1952. 464.8 P56

39930 WASHINGTON. STATE COLLEGE EXTENSION SERV. 1953 spray recommendations for tree fruits in eastern Washington. Wash. State Col. Ext. B. 419,rev., 32 p. Jan.1953. 275.29 W27P

39931 WEISS. Erfahrungen bei der schädlingsbekämpfung 1952. V. Hess. Obstbau 8:10-11. Jan.1953. 80 G1932

39932 WHITE, W. H., and DOOLITTLE, S. P. Vegetable gardeners' handbook on insects and diseases. U. S. D. A. Home & Gard. B. 23,30 p. Feb.1953. 1 Ag84Hg
Formerly Miscellaneous Publication 605.

39933 WILSON, J. D., and SLEESMAN, J. P. The control of cucumber and muskmelon diseases and insects. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:142, 144,146,148,150,152-156,158-162. 1952. 75.9 Oh3

39934 WINNING, E. VON, and DÜNNEBEIL, H. Spritzversuche mit geringen brüheaufwandsmengen. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:45-52. Feb./Mar.1952. 464.9 N11

39935 YARWOOD, C. E. Pressure effects in fungus and virus infections. Phytopathology 43:70-72. Feb.1953. 464.8 P56
Variation in amount of infection in pressure treatment of leaves.

39936 YARWOOD, C. E. Reduction of smog injury by rust infection. Plant Dis. Rptr. 37:121. Feb.15,1953. 1.9 P69P

39937 YODER, D. M. New agricultural fungicides. Chemistry 26(6):36-43. Feb.1953. 381 J826A

39938 ZAKHAROVA, E. I. Effect of lightning upon a grapevine. (In Russian.) Vinodel. i Vinograd. SSSR. 11: 35-36. Nov.1952. 95.8 V77

39939 ZUBOV, M. F. Copper chloride. (In Russian.) Vinodel. i Vinograd. SSSR. 11:49-51. Nov.1952. 95.8 V77
Substitute for Bordeaux mixture in control of mildew and white rot.

Diseases Caused by Fungi

39940 AFANASIEV, M. M., and MORRIS, H. E. Resistance and soil treatments for control of Rhizoctonia of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7: 562-567. 1952. 66.9 Am35

39941 ALDEBERT. Les enseignements de la lutte, en 1952, contre le mildiou et quelques autres maladies de la vigne. Elevage et Cult. 5(49):15-16. Jan.1953. 24 EL2

39942 ANDERSON, P. J. Blue mold program for 1953. Cigar Val. News 3(3):3. Mar.1953. 286.89 C482

39943 ANDES, J. O. Fruit fungicide summary—1952. Tenn. State Hort. Soc. Proc. 47:37-39. 1952. 81 T25

39944 AOKI, K. Control of the sclerotiose of mulberry. (In Japanese.) Jap. J. Plant Protect. 34:166-169. Apr.1952. 421 J27
Sclerotinia eclerotiorum.

39945 ARMER, A. A. Soil row treatment at planting time. Amer. Soc. Sugar Beet Technol. Proc. 7:611-613. 1952. 66.9 Am35
Treatment with fungicides.

39946 ARMSTRONG, J. K., and ARMSTRONG, G. M. Fusarium wilt of sesame. Plant Dis. Rptr. 37:77-78. Ref. Feb.15,1953. 1.9 P69P

39947 BARON, C. La défense des cultures. Lutte contre les spores véhiculées par graines et bulbes. B. Hort. (n.s.)8:67-71. (Cont.) Mar.1,1953. 80 B873

39948 BARON, C. La défense des cultures. II. Champignons inférieurs; végétation, propagation, conservation. B. Hort. (n.s.)8:35-38. Feb.1953. 80 B873

39949 BARRETT, H. C. A large-scale method of inoculating grapes with the black rot organism [Guignardia bidwellii]. Plant Dis. Rptr. 37:159. Mar.15,1953. 1.9 P69P

39950 BASSHAM, A. E. A new role for lime sulfur in peach brown rot control. Tenn. State Hort. Soc. Proc. 47:19. 1952. 81 T25

39951 BAZAN DE SEGURA, C. Plant diseases new to Peru. Plant Dis. Rptr. 37:121-122. Feb.15,1953. 1.9 P69P
Fungus.

39952 BERNAUX, P. Contribution à l'étude de la pathologie végétale méditerranéenne. Rev. de Mycol. 17:109-140. Ref. Nov.1,1952. 450 An74

39953 BLANCO MACIAS, G. Enfermedad fungosa de la hoja del cafeto (Hemilaeia vastatrix). Lamatepec (ser. 2)16:3471-3473. Oct.1952. 8 L16

39954 BLUMER, S. Neuere erfahrungen über die bekämpfung des apfelmehltaus. Schweiz. Z. f. Obst- u. Weinbau 62:57-62. Feb.21,1953. 80 Sch9

39955 BOLLE, F. Versuch eines krautfäule-warndienstes in Schleswig-Holstein. Nachrbl. des Deut. Pflanzenschutzdienstes 4:168-170. Nov.1952. 442.9 B832

39956 BOUBALS, D., and VERGNES, A. Essais de fongicides organiques dans la lutte contre le mildiou de la vigne. Prog. Agr. et Vitic., Feb.15/22,1953:90-97. (Concl.) 14 P94

39957 BRETZ, T. W., and MORISON, D. W. Effect of time and temperature on isolation of the oak wilt fungus [Endoconidiophora fagacearum] from infected twig samples. Plant Dis. Rptr. 37:162-163. Mar.15, 1953. 1.9 P69P
Specimens held at different temperatures for varying lengths of time after collection.

39958 BREWER, D. Variation in Ascochyta pisi Lib. (Abs.) Canad. Phytopath. Soc. Proc. 20:14. 1952,1ub.1953. 464.9 C162

39959 CAMPANA, R. J. Further increase of Dutch elm disease in Illinois. Plant Dis. Rptr. 37:110-111. Feb.15,1953. 1.9 P69P

39960 CAMPBELL, W. A., and MILLER, J. H. Windthrow of root-rotted oak shade trees. Arborist's News 18: 18. Feb.1953. 99.8 Ar14
Caused by Polyporus dryadeus.

39961 CARTER, J. C., and HOFFMAN, P. F. Results of fungicide tests for control of leaf diseases of black walnut, Catalpa, and American elm in 1951 and 1952. Plant Dis. Rptr. 37:114-115. Feb.15,1953. 1.9 P69P

39962 CASTANO, J. J. Una afección nueva en coffea libérica. Agr. Trop. 9:29-31. Jan.1953. 26 Ag8
Studies on Phomopsis.

39963 CASTANO, J. J. Algunas observaciones sobre la "llaga negra" radicular [Rosellinia bunodes] del cafeto. Agr. Trop. 9(2):41-47. Feb.1953. 26 Ag8

39964 CERUTTI, V. Economy in the control of downy mildew of grapes. (In Italian.) Nuova Agr. Milan. 3(11):2. June 1952. 16 C153

39965 CHANDLER, W. A., and THURSTON, H. W. Recent experiences with new apple fungicides. (Abs.) Phytopathology 43:108. Feb.1953. 464.8 P56

39966 CHEO, P. C. Varietal difference in susceptibility of sweet potato to black rot fungus [Endoconidiophora fimbriata]. Phytopathology 43:78-81. Feb.1953. 464.8 P56

39967 CHILDS, J. F. L. An Actinomycete associated with gummosis disease of grapefruit trees. Phytopathology 43:101-103. Ref. Feb.1953. 464.8 P56

39968 CHILDS, J. F. L. Concentric canker and wood rot of citrus associated with Fomes applanatus in Florida. Phytopathology 43:99-100. Feb.1953. 464.8 P56

39969 CLERENS, A. Recent preparations for the control of parasites on fruit. II. (In Flemish.) Tuinbouwberichten 17:9-10. Jan.15,1953. 80 T817

39970 COONS, G. H., and others. Report of the 1951 evaluation tests of leaf spot and black root-resistant sugar beet varieties of the United States Department of Agriculture. Amer. Soc. Sugar Beet Technol. Proc. 7: 445-451. 1952. 66.9 Am35
D. Stewart, H. W. Bockstahler, G. W. Deming, J. O. Gaskill, J. G. Lill, and C. L. Schneider, joint authors.

39971 COSPER, H., and SCHUSTER, M. L. Effect of urea on the incidence of bean rust. Agron. J. 45: 74-75. Feb.1953. 4 Am34P

39972 CROXALL, H. E., JENKINS, J. E. E., and COLLINGWOOD, C. A. Fruit tree spraying trials in the West Midlands, 1951. I-II. Herefordshire Agr. J. 12:269, 271,273,275,277. Spring 1952. 10 H42
I, Apple and pear scab trials, by H. E. Croxall and J. E. E. Jenkins; II, Insecticides in the orchard, by C. A. Collingwood.

39973 CURL, E. A., STESSEL, G. J., and ZUCKERMAN, B. M. Subcortical mycelial mats and perithecia of the oak wilt fungus [Chalara quercina] in nature. Phytopathology 43:61-64. Feb.1953. 464.8 P56

39974 CURTIS, K. M. Cankers in apple and pear trees caused by ripe-spot fungus Neofabraea malicorticis. Orchardist New Zeal. 26:2. Feb.5,1953. 80 Or19

39975 DEBRUS, J. Les champignons cryptogamiques. Cour. Hort. 15:83-84. Feb.1953. 80 C834

39976 DEBRUS, J. L'oïdium de la vigne. Cour. Hort. 15:21-23. Jan.1953. 80 C834

39977 DESLANDES, J. A., BARDIN, R., and SNYDER, W. C. Perithecia of Erysiphe cichoracearum on lettuce in the field. Plant Dis. Rptr. 37:135. Mar.15,1953. 1.9 P69P

39978 DE ZEEUW, D. J., and ANDERSEN, A. L. Lima bean seed treatment trials in Michigan, 1951-52. Plant Dis. Rptr. 37:69-70. Feb.15,1953. 1.9 P69P

39979 DIEGUEZ C., J. Epiphytotic outbreak of Sigatoka disease [Cercospora musae] at Tingo Maria Region, Peru. Plant Dis. Rptr. 37:166-167. Mar.15, 1953. 1.9 P69P
Bananas.

39980 DIMOND, A. E., and DAVIS, D. The chemotherapeutic activity of benzothiazole and related compounds for Fusarium wilt of tomato. Phytopathology 43: 43-44. Jan.1953. 464.8 P56

39981 DOWNIE, A. R., SCHUSTER, M. L., and OLDEMEYER, R. K. Cooperative field testing to strains of sugar beets for resistance to several root rotting organisms. Amer. Soc. Sugar Beet Technol. Proc. 7:557-561. 1952. 66.9 Am35

39982 DOWNIE, A. R., and others. Reaction of sugar beet strains to Aphanomyces cochlioides at three different locations. Amer. Soc. Sugar Beet Technol. Proc. 7: 393-395. 1952. 66.9 Am35
C. W. Doxtator, J. F. Swink, D. Ogden, R. L. Bowman, and J. C. Tanner, joint authors.

39983 DUNEGAN, J. C., RAMSFJELL, T., and GJAERUM, H. B. Inoculations with urediospores of Tranzschelia discolor (Fckl.) Tranz. & Litv. from Norway. Plant Dis. Rptr. 37:88. Feb.15,1953. 1.9 P69P
Inoculations made on peach and Prunus serotina at Beltsville, Md.

39984 DURBIN, R. D., and SNYDER, W. C. Flyspeck [Microthyriella rubi] of apple in California. Plant Dis. Rptr. 37:166. Mar.15,1953. 1.9 P69P

39985 EPPS, J. M. Results of fungicide tests for apple disease control. Tenn. State Hort. Soc. Proc. 47: 35-37. 1952. 81 T25

39986 ERNST, R. A., and BRETZ, T. W. American chestnut [Castanea dentata] susceptible to oak wilt fungus [Endoconidiophora fagacearum]. Plant Dis. Rptr. 37:163. Mar.15,1953. 1.9 P69P

39987 FEDORINCHIK, N. S. Virulence and effectiveness of culture of the [Puccinia triticina] parasite, Darluca filum (Biv.) Cast. (In Russian.) Mikrobiologiia 21: 711-717. Nov./Dec.1952. 448.3 M582

39988 FERGUS, C. L. Relation of weather to the severity of white oak anthracnose [Gnomonia veneta]. Phytopathology 43:103-105. Feb.1953. 464.8 P56

39989 FLACH, G. Le mildiou de la vigne: les poudrages sont-ils indispensables? Rev. Agr. de l'Afrique du Nord 51:73-74. Jan.16,1953. 80 R326

39990 FLACH, G. Le mildiou de la vigne quand faut-il poudrer? Rev. Agr. de l'Afrique du Nord 51:121. Jan. 30,1953. 80 R326

39991 FOWLER, M. E. Oak wilt: its distribution and control. Plant Dis. Rptr. 37:104-109. Feb.15,1953. 1.9 P69P

39992 FOWLER, M. E., and ALDRICH, K. F. Resurvey for European larch canker [Dasyscypha willkommii] in the United States. Plant Dis. Rptr. 37:160-161. Mar.15,1953. 1.9 P69P

39993 FUJIKAWA, T. Studies on the cucumber Phytophthora blight. 11. (In Japanese.) Kyushu Noji Shikenjo 10:151-152. Sept.1952. 107.6 K996

39994 FUKUNAGA, K. On some dithiocarbamate fungicides. (In Japanese.) Jap. J. Plant Protect. 34: 147-151. Ref. Apr.1952. 421 J27

39995 FUKUSHIMA, R. Moulding cultivation of paddy field rice. (In Japanese.) Nōrin Jihō 12(2):26-27. Feb.1953. 22.5 N772

39996 GAROIAN, L. Yellow rust of red raspberries. West. Fruit Grower 7(2):41. Feb.1953. 95.8 G76?

39997 GASKILL, J. O. A study of two methods of testing invididual sugar-beet roots for resistance to storage pathogens. Amer. Soc. Sugar Beet Technol. Proc. 7: 575-580. 1952. 66.9 Am35

39998 GERHOLD, N. R., HENDERSON, W. J., and TWOMEY, J. A. Soil treatment for control of black-root of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:554-556. 1952. 66.9 Am35

39999 GESHELE, É. É. Fusarium-Helminthosporium root rot of summer wheat. (In Russian.) Selek. i Semen. 19(12):51-56. Dec.1952. 61.9 Se5

40000 GJOERUM, H. B. Testing of fungicides. (In Norwegian.) Gartneryrket 43:19-20. Jan.10,1953. 80 G1938

40001 GOOD, H. M. Evidence of fungous successions in decays of sugar maple. (Abs.) Canad. Phytopath. Soc. Proc. 20:15. 1952,pub.1953. 464.9 C162

40002 GOUVERNET, R. Le soufre mouillable micronisé. Fruits 8:17-21. Jan.1953. 80 F9492
Fungicide.

40003 GOVI, G. The 'maculatura fuligginosa' (sooty blotch) and the 'croste puntiformi' (fly speck) of apples. (In Italian.) Ann. della Sper. Agr. (n.s.)7:339-345. Ref. 1953. 16 An76
English summary.
Gloeodes pomigena and Leptothyrium pomi.

40004 GOVI, G., and CARO, S. DI. Occurrence of Ophiostoma fagi Loos on chestnuts. (In Italian.) Ann. della Sper. Agr. (n.s.)7:211-219. 1953. 16 An76
English summary.

40005 GRAHAM, J. H. Reaction of strains of red clover to Stemphylium sarcinaeforme. Plant Dis. Rptr. 37: 95-96. Feb.15,1953. 1.9 P69P

40006 GREGORY, K. F., and others. Antibiotics and antagonistic microorganisms as control agents against damping-off of alfalfa. Phytopathology 42:613-622. Ref. Nov.1952. 464.8 P56
O. N. Allen, A. J. Riker, and W. H. Peterson, joint authors.

40007 GRENTE, J. Le Phytophthora cinnamomi parasite du châtaignier en France. Acad. des Sci. Compt. Rend. 234:2226-2228. May 26,1952. 505 P21

40008 GRÜMMER, G. Beiträge zur eigenschaftsanalyse der anfälligkeit von Papaver somniferum gegen Helminthosporium papaveris. 2. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:32-36. Ref. Feb./Mar.1952. 464.9 N11

40009 GUBA, E. F. Peach canker caused by the fungus Fusicoccum persicae E. & E. (Abs.) Phytopathology 43:109. Feb.1953. 464.8 P56

40010 GUBA, E. F. Red forcing tomatoes resistant and immune to Cladosporium fulvum Cke. (Abs.) Phytopathology 43:109. Feb.1953. 464.8 P56

40011 GUYOT, L., and MASSENOT, M. Observations et expérimentations sur la rouille noire [Puccinia graminis] des céréales au cours des années 1948 á 1950. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:507-523. July/Sept.1952. 14 F8499A

40012 HALLER, H. L. Captan—a coined name for the fungicidal chemical N-trichloromethylthio tetrahydrothalimide. Phytopathology 43:58. Jan.1953. 464.8 P56
Same as SR-406 and Orthocide.

40013 HAMILTON, J. M., and SZKOLNIK, M. Factors involved in the performance of cycloheximide (actidione) against Coccomyces hiemalis. (Abs.) Phytopathology 43:109. Feb.1953. 464.8 P56

40014 HANEY, W. J. Systemic fungicides for glads. Gladiolus 28:78-82. 1953. 96.43 N44

40015 HANSING, E. D. Seed treatment with new as compared with older fungicides for the control of wheat, oat and sorghum smut and Victoria blight of oats in Kansas, 1950 to 1952. Plant Dis. Rptr. 37:49-58. Feb. 15,1953. 1.9 P69P

40016 HARADA, S. Spread of Fusicoccum canker of peach tree and present state of its control. (In Japanese.) Jap. J. Plant Protect. 41:415-417. Nov.1952. 421 J27

40017 HARRIS, M. R. Apple scab situation in 1952. Wash. State Hort. Assoc. Proc. 48:34-35. 1952. 81 W273

40018 HARRIS, M. R. How to reduce bull's eye rot. Better Fruit 47(9):9,14. Mar.1953. 80 B46
Apples.

40019 HASHIOKA, Y. Varietal resistance of rice to the brown spot [Cochliobolus miyabeanus] and yellow dwarf. (Studies on pathological breeding of rice. VI.) (In Japanese.) Jap. J. Breeding 2:14-16. Ref. Oct.1952. 64.8 J27
English summary.

40020 HENRY, B. W. Fusiform rust. Amer. Forests 59(3):28,45. Mar.1953. 99.8 F762

40021 HEY, G. L. Random jottings on scab control. Com. Grower 2983:409-411. Feb.26,1953. 80 F941
Apples and pears.

40022 HEYNE, E. G., and LIVERS, R. W. Monosomic analysis of leaf rust reaction, awnedness, winter injury and seed color in Pawnee wheat. Agron. J. 45:54-58. Ref. Feb.1953. 4 Am34P

40023 HILDEBRAND, A. A. Studies on stem canker and pod and stem blight of soybeans in Ontario caused by Diaporthe species. (Abs.) Canad. Phytopath. Soc. Proc. 20:16-17. 1952,pub.1953. 464.9 C162

40024 HILLS, F. J., and LEACH, L. D. The effect of certain soil-row treatments on damping-off of sugar beet seedlings caused by specific fungi. Amer. Soc. Sugar Beet Technol. Proc. 7:549-553. 1952. 66.9 Am35

40025 HIMELICK, E. B., SCHEIN, R. D., and CURL, E. A. Rodent feeding on mycelial pads of the oak wilt fungus. Plant Dis. Rptr. 37:101-103. Feb.15,1953. 1.9 P69P

40026 HIRATSUKA, N. White rust of peach. (In Japanese.) Jap. J. Plant Protect. 36:256-258. J ne 1952. 421 J27

40027 HOFFMAN, P. F. Results of fungicide tests for control of sycamore [Platanus occidentalis] anthracnose in 1952. Plant Dis. Rptr. 37:112-113. Feb.15,1953. 1.9 P69P

40028 HOMBURG, K. Preliminary report on the wet and dry blister blight control at "Sperata/Sinumbra." (In Dutch.) Bergcultures 22:31,33,35,37,39. Jan.16,1953. 22.5 B45

40029 HOPPE, P. E. Northern corn leaf blight [Helminthosporium turcicum] in Wisconsin in 1952. Plant Dis. Rptr. 37:94. Feb.15,1953. 1.9 P69P

40030 HORNER, R. M. Mycological investigations of birch in Ontario. (Abs.) Canad. Phytopath. Soc. Proc. 20:17. 1952,pub.1953. 464.9 C162

40031 HOWARD, F. L., and DAVIES, M. E. Curvularia "fading-out" of turf grasses. (Abs.) Phytopathology 43:109. Feb.1953. 464.8 P56

40032 HUGLIN, P. Remarques sur les fongicides organiques experimentés dans les vignobles alsaciens au cours de l'année 1952. Prog. Agr. et Vitic., Mar.1/8, 1953:123-125. 14 P94

40033 HURFORD, A. W. Living with the Dutch elm disease. Natl. Shade Tree Conf. Proc. 28:103-110. 1952. 99.9 N218

40034 HUS, J. Control of scab. (In Flemish.) Tuinbouwberichten 17:23-25. Feb.15,1953. 80 T817
Venturia inaequalis and V. pirina on apples and pears.

40035 HUS, P. Scab control. (In Dutch.) Fruitteelt 43:112-113. Feb.7,1953. 86 N28
Fruit.

40036 IKATA, S. Application of new organic fungicides on some fruit diseases. (In Japanese.) Jap. J. Plant Protect. 34:152-154. Apr.1952. 421 J27

40037 INOUE, C. Fungicidal action of BHC. (In Japanese.) Jap. J. Plant Protect. 39/40:350-351. Oct. 1952. 421 J27

40038 ISHIZAKI, H., and KATAOKA, K. Fungicidal action of mercuric vapour. (In Japanese.) Jap. J. Plant Protect. 39/40:348-349. Oct.1952. 421 J27

40039 ITO, K. Helicobasidium monpa Tanaka, injuring many plants. (In Japanese.) Jap. J. Plant Protect. 34: 155-158. Apr.1952. 421 J27

40040 JACQUIOT, C., and LEAUBIE, M. Nouvelles expériences relatives à l'action de la conservation sous l'huile minérale sur l'activité de quelques espèces de champignons lignicoles. Rev. de Mycol. 17:168-170. Nov.1,1952. 450 An74

40041 JOHNSON, A. G., and KOEHLER, B. Take-all disease [Ophiobolus graminis] of wheat in Illinois. Plant Dis. Rptr. 37:148-149. Mar.15,1953. 1.9 P69P

40042 JONES, K. P. Phygon XL versus blackspot. Amer. Rose Mag. 11(2):22-24. Feb.1953. 80 Am327A

40043 JOSIFOVIC, M., and SUTIC, D. Contribution à la connaissance de l'origine et de la maniére des contaminations primaires de la pomme de terre par Phytophthora infestans. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:3-10. Ref. 1952. 106.6 B41
French summary.

40044 JOTANI, Y. On the Fusarium wilt of Stachys sieboldii Miq. (In Japanese.) J. Jap. Bot. 28:26-28. Jan.1953. 450 J8223
English summary.

40045 KATSUKI, S., and HION, T. Leaf blight disease of scallion caused Rhabdospora. (In Japanese.) Jap. J. Plant Protect. 37/38:289-293. Ref. Aug.1952. 421 J27

40046 KATSURA, K. Phytophthora rot of cucurbits. (In Japanese.) Jap. J. Plant Protect. 37/38:322-325. Ref. Aug.1952. 421 J27

40047 KAWAMURA, T., and ISHII, K. Application of mercuric fungicides to black spot of pear. (In Japanese.) Jap. J. Plant Protect. 41:411-413. Nov.1952. 421 J27

40048 KEENER, P. D. Unusual numbers of sporophores of a wood-rotting fungus on trunks of Populus tremuloides var. aurea. Plant Dis. Rptr. 37:164-165. Mar.15,1953. 1.9 P69P

40049 KILPATRICK, R. A., and JOHNSON, H. W. Fungi isolated from soybean plants at Stoneville, Mississippi, in 1951-52. Plant Dis. Rptr. 37:98-100. Feb.15,1953. 1.9 P69P

40050 KIRYU, T., and YAMAMOTO, S. On the varietal resistant difference to the chocolate spot disease [Botrytis fabae] of broad bean. (In Japanese.) Kyushu Noji Shikenjo 10:135-136. Sept.1952. 107.6 K996

40051 KISPATIC, J., and LUSIN, V. Investigations on the biology and control of head-smut of corn. (In Serbo-Croatian.) Zaštita Bilja 12:19-29. Ref. 1952. 464.8 Z1
English summary.

40052 KLEĬNERMAN, Z. ÎA. Application of caustic alkali to disinfect soil against potato wart. (In Russian.) Sad i Ogorod. 1:72-75. Jan.1953. 80 Sa13

40053 KÖHLER, H. Ein beitrag zur ätiologie und bekämpfung des himbeerrutensterbens. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:36-42. Feb./Mar. 1952. 464.9 N11
Caused by Didymella applanata and Leptosphaeria coniothyrium.

40054 KOYAMA, T. On the breeding of highly resistant varieties of rice-blast by the hybridization between Japanese varieties and foreign variety in Japanese-type in rice. (In Japanese.) Jap. J. Breeding 2:25-30. Oct. 1952. 64.8 J27
English summary.

40055 KRAMPE, O., and REHM, H. J. Untersuchungen über den befall von Pseudotsuga taxifolia viridis mit Adelopus [i.e. Phaeocryptopus] gäumanni Rohde. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:208-212. Ref. Nov.1952. 464.9 N11

40056 LEONT'EVA, ÎÛ. A., and ZUBOV, M. F. New preparation for the control of acorn diseases. (In Russian.) Les i Step' 4(10):23-26. Oct.1952. 99.8 L565
Organic fungicide.

40057 LEWIS, G. D., and SHAY, J. R. Control of summer diseases of apple. Plant Dis. Rptr. 37:84-87. Feb.15,1953. 1.9 P69P
Fungus diseases in Indiana.

40058 LEYENDECKER, P. J., BLANK, L. M., and NAKAYAMA, R. M. Further observations on black root rot [Thielaviopsis basicola] of cotton in the upper Rio Grande Valley of Texas and New Mexico. Plant Dis. Rptr. 37:130-133. Mar.15,1953. 1.9 P69P

40059 LOHWAG, K. Erkenne den hausschwamm [Merulius lacrymans [Jacq.] Fr.] und bekämpfe ihn! Bau u. Holz. 4:13-15. 1953. 296.8 B32

40060 LORENZINI, G. The control of Synchytrium endobioticum by resistant races of potato during the year 1951. (In Italian.) Not. sulle Mal. delle Piante 20:35-41. July/Sept.1952. 464.8 N84
English summary, p. 50.

40061 LOWINGS, P. H. A disease [Ascochyta pinodella] of peas. Gard. Chron. 133:40. Ref. Jan.31,1953. 80 G162

40062 LUCHETTI, G., and MACCANTI, M. Control of apple scab. (In Italian.) Agr. Ferrarese 56:244-245. Nov.30,1952. 16 Ag87

40063 LUČIC, S. Controlling brown rust with chemical compounds. (In Serbo-Croatian.) Zaštita Bilja 12: 43-48. 1952. 464.8 Z1
English summary.
On wheat.

40064 LUDECKE, H. Die wirkung der Dynamal-beize geprüft an 18 auf das gesamte Bundesgebiet verteilten Zuckerrübensortenversuchen im vergleich zu Albertan-"trocken." Zucker 5:545-548. Dec.15,1952. 65.8 Z82

40065 LUDWIG, R. A., and THORN, G. D. Studies of the breakdown of disodium ethylene bisdithiocarbamate (Nabam). Plant Dis. Rptr. 37:127-129. Mar.15,1953. 1.9 P69P

40066 LUTTRELL, E. S., and GARREN, K. H. Blights of snap bean in Georgia. Phytopathology 42:607-613. Ref. Nov.1952. 464.8 P56

40067 LUTTRELL, E. S. Spot blotch [Helminthosporium sativum] of brome grasses, tall fescue grass [Festuca arundinacea] and barley. Plant Dis. Rptr. 37: 150-151. Mar.15,1953. 1.9 P69P

40068 MCFARLANE, J. S. Breeding for resistance to downy mildew in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:415-420. 1952. 66.9 Am35
Peronospora schactii.

40069 MACHACEK, J. E. Cooperative seed-treatment trials. 1952. Plant Dis. Rptr. 37:59-62. Feb.1953. 1.9 P69P
Cereals and flax.

40070 MCKEEN, C. D. A black rot disease (Phomopsis) of greenhouse cucumbers in southwestern Ontario. (Abs.) Canad. Phytopath. Soc. Proc. 20:18-19. 1952,pub. 1953. 464.9 C162

40071 MARCELLI, E. A disease of banana from Somaliland caused by Gloeosporium musarum Cooke et Massee. (In Italian.) Not. sulle Mal. delle Piante 20: 22-26. July/Sept.1952. 464.8 N84
English summary, p. 50.

40072 MARCELLI, E. Latest results in the control of powdery mildew [Erysiphe cichoriacearum] of tobacco. (In Italian.) Tabacco 56:370-374. Ref. Dec.1952. 69.8 T115
English summary.

40073 MARCELLI, E. The most recent results on the control of tobacco powdery mildew (Erysiphe cichoriacearum). (In Italian.) Not. sulle Mal. delle Piante 20: 18-22. Ref. July/Sept.1952. 464.8 N84
English summary, p. 50.

40074 MARGARA, J. Comportement des variétés de betterave sucrière à l'égard du Cercospora; problèmes que pose l'obtention de types résistants. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:215-229. Ref. Apr./June 1952. 14 F8499A

40075 MARSHALL, R. P. Control of bleeding canker. Horticulture 31:123, 127. Mar.1953. 80 H787
Phytophthora cactorum on shade trees.

40076 MATHIESEN-KAARIK, A. Spreading of dieback of elm in Sweden during the years 1950-1952. (In Swedish.) Skogen [Stockholm] 40:2*-3*,11*. Jan.15,1953. 99.8 Sk51

40077 MEINERS, J. P. Seed treatment for control of head smut [Ustilago bullata Berk.] in mountain brome [Bromus carinatus var. bromar] in 1952. Plant Dis. Rptr. 37:152-153. Mar.15,1953. 1.9 P69P

40078 MILLER, J. J. A study of the distribution of Fusarium wilt of muskmelons and water-melons in southwestern Ontario. (Abs.) Canad. Phytopath. Soc. Proc. 20:19. 1952,pub.1953. 464.9 C162

40079 MUNCHBERG, P. Chemie und technologie der fungicide. Chem.-Ztg. 77:66-68. (Concl.) Ref. Feb.5, 1953. 384 C427

40080 NICOLINI, J. C. Cercospora [cladosporioides] del olivo. Chacra 23(267):66. Feb.1953. 9 C34

40081 NIENSTAEDT, H. Tannin as a factor in the resistance of chestnut, Castanea spp., to the chestnut blight fungus, Endothia parasitica (Murr) A. and A. Phytopathology 43:32-38. Ref. Jan.1953. 464.8 P56

40082 NIGERIA. AGRICULTURAL DEPT. COCOA SURVEY DIV. Arùn kòrîkòrî. Black pod disease. Lages? Cocoa Mktg. Bd.,1952. 31 p. 464.09 N56

40083 NISHIDA, K. The saprophytism of Colletotrichum sp. (In Japanese.) Kyushu Noji Shikenjo 10:153-155. Sept.1952. 107.6 K996
English summary.

40084 NORTHERN IRELAND MINISTRY OF AGRICULTURE. Preventing leaf stripe and smut. North. Ireland Min. Agr. L. 96,3 p. Feb.1953. 10 N81
Leaf stripe of oats and smut of cereals.

40085 ONO, K., and SHIMADA, N. Damage and loss estimation of wheat and barley infested by snow blight. (In Japanese.) Jap. J. Plant Protect. 33:130-131. Mar. 1952. 421 J27

40086 ONO, K. Kinds and distribution of sclerotial diseases of rice plant. (In Japanese.) Jap. J. Plant Protect. 39/40:345-347. Oct.1952. 421 J27

40087 OSLER, R. D., and HAYES, H. K. Inheritance studies in oats with particular reference to the Santa Fe type of crown rust resistance. Agron. J. 45:49-53. Feb.1953. 4 Am34P

40088 PALMITER, D. H., and EMERSON, F. H. Fungicide mixtures as a possible means of improving apple scab and rust control. (Abs.) Phytopathology 43: 109. Feb.1953. 464.8 P56

40089 PARFILOVA, M. E. Rust on fir in Carpatian mountain forests. (In Russian.) Lesn. Khoz. 5(12):74-75. Dec.1952. 99.8 L5622

40090 PARMENTIER, G. L'oidium ou blanc des céréales. Sillon Belge 23(542):1-2. Jan.10,1953. 13 Si3
Erysiphe graminis.

40091 PAYETTE, A. Strawberry gangrene. (Abs.) Canad. Phytopath. Soc. Proc. 20:20-21. 1952,pub.1953. 464.9 C162
Main agents appeared to be Botrytis cinerea and Rhizoctonia solani.

40092 PETERSON, D. F., and CORMANY, C. E. A new leaf-spot-resistant variety. Amer. Soc. Sugar Beet Technol. Proc. 7:383-383. 1952. 66.9 Am35

40093 PICCO, D. Low-cupric and acupric fungicides in the control of downy mildew of vine. (In Italian.) Not. sulle Mal. delle Piante 21:39-47. Oct./Dec.1952. 464.8 N84
English summary on p. 72.

40094 PONCHET, J. Le piétin du blé. Agriculture [Paris] 17(142):9-10. Jan.1953. 14 Ag823
Caused by Cercosporella herpotrichoides.

40095 PROTSENKO, E. P. Preservation of Gladiolus bulbs. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:80-84. 1952. 451 M854
Infected by Botrytis and Fusarium.

40096 RAMAKRISHNAN, T. S. Observations on ergots on Pennisetum and other grasses. Indian Acad. Sci. Proc. Sect. B 36:97-101. Sept.1952. 513 In25B

40097 REDETT, R. B. How about this oak wilt. Ohio Conserv. B. 17(3):20-21. Mar.1953. 279.9 Oh330
Caused by Chalara quercina.

40098 REVILLA M., V. A. La nueva enfermedad de la caña de azúcar en el pais. Vida Agr. [Lima] 29:1077, 1079,1081,1083,1085,1087. Dec.1952. 9.8 V66
Sclerospora.

40099 REX, E. G. Living with the Dutch elm disease. Natl. Shade Tree Conf. Proc. 28:110-118. 1952. 99.9 N218

40100 RICHARDS, M. C., MURPHY, D. R., and RICH, A. E. The use of apple seedlings for greenhouse testing of fungicides. (Abs.) Phytopathology 43:109-110. Feb.1953. 464.8 P56

40101 RICHARDSON, L. T. Bioassay by the paper-disk plate method. (Abs.) Canad. Phytopath. Soc. Proc. 20:21. 1952,pub.1953. 464.9 C162
Study of fungicides tested with Glomerella cingulata.

40102 ROBAK, H. On parasitical and saprophytical strains of the larch canker fungus, Dasyscypha wilkommii (Hart.) Rehm. (In Norwegian.) Norway. Vestlandets Forstl. Forsøkssta. Meddel. 9:113-212. Ref. 1952. 99.9 N832
English summary.

40103 ROBERTSON, N. Further investigation of the "Fusarium yellows" disease of Gladioli. Gladiolus Annu. 1952:26-31. 84 B772

40104 ROMBOUTS, J. E. The micro-organisms in the rhizosphere of banana plants in relation to susceptibility or resistance to Panama disease [Fusarium oxysporum-cubense]. Plant & Soil 4:276-288. Jan.1953. 450 P696

40105 ROY, P. O. Ceci—ou cela? B. des Agr. 35(2): 12,72. Feb.1953. 7 B872
Apple scab in Canada.

40106 RUSSELL, R. C. The "drowning treatment" for loose smut of barley. (Abs.) Canad. Phytopath. Soc. Proc. 20:21. 1952,pub.1953. 464.9 C162

40107 SACKSTON, W. E. A species of Itersonilia pathogenic on sunflowers. (Abs.) Canad. Phytopath. Soc. Proc. 20:22. 1952,pub.1953. 464.9 C162

40108 SAKATA, H. Effect of "dithane dust", against the leaf rust of naked barley. (In Japanese.) Kyushu Noji Shikenjo 10:139. Sept.1952. 107.6 K996

40109 SAVILE, D. B. O. Short-season adaptations in the rust fungi [Pucciniaceae]. Mycologia 45:75-87. Jan./Feb.1953. 450 M99

40110 SCARAMUZZI, G. Diseases of carnation plants caused by Alternaria dianthi and A. dianthicola. (In Italian.) Ann. della Sper. Agr. (n.s.)7:73-87. 1953. 16 An76
Enligsh summary.

40111 SCHAD, C., and others. Recherches sur le chataignier à la Station de Brive. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:369-458. Ref. July/Sept.1952. 14 F8499A
G. Solignat, J. Grente, and P. Venot, joint authors.
Includes resistance to Endothia parasitica.

40112 SCHEIBE, K. Pflanzenschutzhinweise für das frühjahr. Hannoversche Land- u. Forstwirt. Ztg. 106: 167. (Cont.) Feb.7,1953. 18 H194
Seed treatment.

40113 SCHMIDT, T. Alternaria porri (Ell.) Neerg. als erreger einer blattfleckenkrankheit an porree. Pflanzenschutzberichte 10:14. Jan.1953. 464.9 P48
English summary.

40114 SCHREAD, J. C. Hydraulic sprayers versus mist blowers for elm tree work. Conn. Woodlands 18: 29-30. Mar.1953. 99.8 C76
Dutch elm diseases control.

40115 SCOTT, C. E. What is new in fungicides. West. Fruit Grower 7(2):34. Feb.1953. 95.8 G762

40116 SHAY, J. R. Southern blight [Sclerotium rolfsii] on apple nursery stock in Indiana. Plant Dis. Rptr. 37:121. Feb.15,1953. 1.9 P69P

40117 SHURTLEFF, M. C. Susceptibility of lawn grasses to brown patch [Rhizoctonia solani]. (Abs.) Phytopathology 43:110. Feb.1953. 464.8 P56

40118 SIANG, W. N., and HOLTON, C. S. Mode of action of hexachlorobenzene on wheat bunt fungi in vitro. Plant Dis. Rptr. 37:63-65. Feb.15,1953. 1.9 P69P

40119 SKOLKO, A. J., and GROVES, J. W. Seed-borne fungi of peas. (Abs.) Canad. Phytopath. Soc. Proc. 20:23. 1952,pub.1953. 464.9 C162

40120 SPRAGUE, R. Mildew spray trials at the Tree Fruit Station in 1952. Wash. State Hort. Assoc. Proc. 48:27-30. 1952. 81 W273
Powdery mildew of apples.

40121 SPRAGUE, R. Spray trials and observations on control of apple scab in north central Washington in 1952. Wash. State Hort. Assoc. Proc. 48:31-33. 1952. 81 W273

40122 SPROSTON, T., and BASSETT, E. G. Chromatographic separation of the 1-4 naphthoquinones. (Abs.) Phytopathology 43:110. Feb.1953. 464.8 P56

40123 SRINIVASAN, K. V. Isariopsis griseola Sacc. on Phaseolus vulgaris L. Cur. Sci. 22:20. Jan.1953. 475 Sci23

40124 STAPEL, C. New light on the Berberis problem. (In Danish.) Dansk Landbr. 72:93-94. Feb.12,1953. 280.28 V91

40125 STEPANOV, K. M., and SHUMAKOVA, A. A. On periods of lemon infection with infectious drying up (Mal secco). (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 18(11):34-38. Ref. 1952. 20 Ak1
Caused by Deuterophoma tracheiphila.

40126 STESSEL, G. J., LEBEN, C., and KEITT, G. W. Partial purification and properties of the antifungal antibiotic, toximycin. Phytopathology 43:23-26. Ref. Jan 1953. 464.8 P56

40127 STOLL, K. Die kohlschwärze [Alternaria]: entstehung, schadwirkung und bekämpfung. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:81-90. Ref. May 1952. 464.9 N11

40128 STRAKHOV, T. D. Pathological process in plants and degeneration of smut organisms. I. Pathological process and factors of environment. (In Russian.) Mikrobiologiia 21:705-710. Ref. Nov./Dec.1952. 448.3 M582

40129 SUMMERS, T. E., and BOWMAN, D. H. The cereal rusts and other diseases of small grains in Mississippi. Plant Dis. Rptr. 37:142-147. Mar.15,1953. 1.9 P69P

40130 SUZUKI, H., and SHIGEMATSU, K. Slag as an internal therapeutant of blast disease of rice plant. (In Japanese.) Jap. J. Plant Protect. 37/38:294-297. Ref. Aug.1952. 421 J27

40131 TAKIMOTO, K. Black spot disease of watermelon. (In Japanese.) Jap. J. Plant Protect. 37/38:320-321. Aug.1952. 421 J27
Fungus.

40132 TANAKA, I., FUJII, H., and SAKATA, H. Investigation about the primary infection sources of stem-rust: about its oversummering, overwintering and winter outbreak. (In Japanese.) Kyushu Noji Shikenjo 10:137-138. Sept.1952. 107.6 K996

40133 THOMAS, W. D. Temperature determines wilt expression by Fusarium carriers. Colo. Flower Growers Assoc. B. 41:2-3. Mar.1953. 81 C715
Carnations.

40134 URRIES, M. J. DE. Wheat rusts in Spain in 1952. Plant Protect. B. [Rome] 1:58-59. Jan.1953. 421 P692

40135 VENKATAKRISHNIAH, N. S. Ephelis on Echinochloa crus-galli Beauv. and Setaria italica Beauv. Phytopathology 42:634-635. Nov.1952. 464.8 P56

40136 VENKATAKRISHNIAH, N. S. Glomerella psidii (Del.) Sheld. and Pestalotia psidii Pat. associated with a cankerous disease of guava. Indian Acad. Sci. Proc. Sect. B 36:129-134. Ref. Sept.1952. 513 In25B

40137 VERDEREVSKII, D. D. Designating time for spraying grapevines. (In Russian.) Vinodel. i Vinograd. SSSR. 13:40-43. Jan.1953. 95.8 V77
Plasmopara viticola.

40138 VERDEREVSKII, D. D., and MAKRUSHINA, A. T. Dinitrorodanbenzene. (In Russian.) Vinodel. i Vinograd. SSSR. 11:47-48. Nov.1952. 95.8 V77
Substitute for Bordeaux mixture in control of mildew.

40139 VERGARA C., C. La esclerotiniosis del Eucalipto. Simiente 22:174-176. Jan./June 1952. 9.3 Si4
Caused by Sclerotinia fuckeliana.

40140 VIDAL, J. L. La maladie de l'esca ou apoplexie. Viticult. Nouvelle 6(58):9-11. Feb.1953. 390.8 V832

40141 VIDAL MORA, J. M. Tratamientos de invierno en los árboles frutales. Balearic Isl. Diputación Prov. B de Agr. 99:3-4 Dec.1952. 15 B19

40142 VIENNOT-BOURGIN, G., and ZIEGLÉ, J. La carie [Tilletia secalis] des grains de seigle en France. Acad. d'Agr. de France. Compt. Rend. 38:729-730. Dec.3/17,1952. 14 P215Bc

40143 VINCENT, A., PONCHET, J., and KOLLER, J. Recherche de variétés de blés tendres peu sensibles au piétin-verse [Cercosporella herpotrichoïdes]: résultats préliminaires. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:459-472. Ref. July/Sept.1952. 14 F8499A

40144 VLASOV, A. A. Parasitic fungus [Erysiphe graminis] on European spindle tree [Euonymus europaeus]. (In Russian.) Lesn. Khoz. 5(12):81. Dec.1952. 99.8 L5622

40145 VLASVELD, W. P. N. Apple mildew, its biology and control. (In Dutch.) Fruitteelt 43:120-121. Feb.7,1953. 86 N28

40146 VOLIO G., C. A. Control del "ojo de gallo" (Omphalia flavida) con fungicidas. Hacienda 48(2):43,72. Feb.1953. 6 H11
Coffee.

40147 VOLOSKY DE HERNANDEZ, D. Distribución geográfica de las razas fisiológicas de Puccinia graminis tritici en Chile. Simiente 22:113. Jan./June 1952. 9.3 Si4

40148 WAITE, B. H., and DUNLAP, V. C. Preliminary host range studies with Fusarium oxysporum f. cubense. Plant Dis. Rptr. 37:79-80. Feb.15,1953. 1.9 P69P

40149 WALLEN, V. R., and SKOLKO, A. J. Treatment of vegetable seed of low germination. Plant Dis. Rptr. 37:66-68. Feb.15,1953. 1.9 P69P

40150 WATANABE, B., and TAKAKI, H. On the investigation of Rosellinia root-rot disease in orchard. (In Japanese.) Kyushu Noji Shikenjo 10:156-157. Sept.1952. 107.6 K996

40151 WELLMAN, F. L. The Americas face up to threat of coffee rust [Hemileia vastatrix]. Foreign Agr. 17:47-52. Mar.1953. 1.9 Ec7For

40152 WELLS, D. E. A primitive ascomycete causing a wood discolouration. (Abs.) Canad. Phytopath. Soc. Proc. 20:23. 1952,pub.1953. 464.9 C162

40153 WERNHAM, C. C. The mass production of blight-resistant corn. Plant Dis. Rptr. 37:138-141. Mar.15,1953. 1.9 P69P
Helminthosporium turcicum.

40154 WILLIAMS, P. H. The control of Didymella [D. lycopersici] stem rot. Tomato & Cucumber Mktg. Bd. J. 2(2):15-17. Feb.1953. 280.3919 T591
On tomatoes.

40155 WILLIS, T. A. A new fungicide [Orthocide]. Fruit & Veg. Rev. 14(12):18. Mar.1953. 80 C1224

40156 WILTEN, W. The control of rust (Puccinia simplex) in spring barley. (In Dutch.) Natl. Comt. v. Brouwgerst Jaarb. 17:72-79. 1953. 390.9 N21

40157 WINKELMANN, A. Biotypen des kartoffelkrebserregers in Westdeutschland. Nachrbl. des Deut. Pflanzenschutzdienstes 4:140. Sept.1952. 442.9 B832
Synchytrium endobioticum.

40158 WU, C. S., and AUSEMUS, E. R. Inheritance of leaf rust reaction and other characters in a spring wheat cross. Agron. J. 45:43-48. Ref. Feb.1953. 4 Am34P

40159 YOKOHAMA, M. Application of dithane on powdery mildew of cucurbits. (In Japanese.) Jap. J. Plant Protect. 39/40:359-362. Oct.1952. 421 J27

40160 YOUNG, H. C., and BRANDT, W. H. Timber decay and deterioration observed in oak wilt experiments. Ohio Farm & Home Res. [Ohio Sta.] 38(280):8-9. Jan./Feb.1953. 100 Oh3S
Caused by Chalara quercina.

40161 YOUNG, R. A., and MILBRATH, J. A. Control of potato seed-piece decay by seed-piece treatment. Oreg. Seed Growers League. Proc. 11:99,101. 1952. 61.9 Or3
Fusarium and Pythium.

40162 ZADINA, J. Phytophtoraresistente sorten der kulturkartoffeln. (In Czech.) Ceskoslov. Akad. Zemědél. Sborn. 25:513-517. Dec.1952. 19.5 C332C
German summary.

40163 ZADINA, J., and FOLK, A. Prüfungen der kartoffelsorten des weltsortimentes auf die schorfresistenz. (In Czech.) Ceskoslov. Akad. Zemědél. Sborn. 25: 518-524. Dec.1952. 19.5 C332C
German summary.

Diseases Caused by Bacteria

40164 BALDASSARI, T. Root tumors. (In Italian.) Agr. Ferrarese 56:239-241. Nov.30,1952. 16 Ag87
Caused in fruit by Bacterium tumefaciens.

40165 BRYCE, J. Observations on possible carriers of the watermark disease of willows [Salix]. Essex Farmers' J. 31(11):28,30-31. Jan.1953. 10 Es72

40166 DAINES, R. H. Bacterial spot control—spraying or resistant varieties? N. J. State Hort. Soc. Hort. News 34:2604-2605. Feb.1953. 81 N46
Peaches.

40167 DOEPEL, R. F. Black rot of stocks [Mathiola]. West. Austral. Dept. Agr. J. (ser.3)1:835-836. Nov./Dec. 1952. 23 W52J
Xanthomonas incanae.

40168 DYE, D. W. Control of bacterial canker of tomatoes (Corynebacterium michiganense (Erw. Smith) Jensen). New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:339-340. Dec.1952. 514 N48A

40169 HOOKER, W. J., and PETERSON, L. E. Sulfur soil treatment for control of sweet potato soil rot incited by Streptomyces ipomoea. Phytopathology 42:583-591. Ref. Nov.1952. 464.8 P56

40170 HOPKINS, J. C. F., and RILEY, E. A. Bacterial leaf spot of Nicandra physaloides Gaertn. Rhodesia Agr. J. 49:343-345. Nov./Dec.1952. 24 R34

40171 KULESCHA, Z. Action de l'hydrazide maléique sur la prolifération des tissus de crown-gall de scorsonère et sur leur teneur en auxine. Acad. des Sci. Compt. Rend. 236-958-959. Mar.2,1952. 505 P21

40172 MANDELL, J. D., and EISENSTARK, A. Factors affecting plaque formation by Xanthomonas pruni bacteriophage. Phytopathology 43:27-29. Jan.1953. 464.8 P56

40173 MANIL, P., and STRASZEWSKA, Z. Action de l'hydrazide maléique sur les tumeurs du crown-gall. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:128-131. 1952. 105.1 G285

40174 MIRIC, M., and DUNEGAN, J. C. An antibiotic substance toxic to Xanthomonas pruni produced by Aspergillus niger. Plant Dis. Rptr. 37:157-158. Mar. 15,1953. 1.9 P69P

40175 SMITH, W. P. C. Crown gall of fruit trees and other plants. West. Austral. Dept. Agr. J. (ser.3)1:831-833,835. Nov./Dec.1952. 23 W52J

40176 SPRAGUE, R. Blossom sprays and dusts to curb fire blight, 1952 results. Wash. State Hort. Assoc. Proc. 48:25-26. 1952. 81 W273
Pears.

40177 STRASZEWSKA, Z., and MANIL, P. Action, sur le "crown-gall," du filtrat de culture de Agrobacterium tumefaciens et d'une suspension bactérienne pure stérilisée à 48° C. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:132-136. 1952. 195.1 G285

40178 TANAKA, I. Studies on the varietal resistance of rice plant to bacterial leaf blight. (In Japanese.) Kyushu Noji Shikenjo 10:145-146. Sept.1952. 107.6 K996

40179 VOLCANI, Z., RIKER, A. J., and HILDEBRANDT, A. C. Destruction of various tissues in culture by certain bacteria. Phytopathology 43:92-94. Feb.1953. 464.8 P56

40180 VYSHCHEPAN, A. G., and MEL'MAN, M. E. Consumer value of canker-resistant potato varieties. (In Russian.) Sad i Ogorod 12:62-66. Dec.1952. 80 Sa13

40181 WINSTEAD, N. N., and KELMAN, A. Inoculation techniques for evaluating resistance to Pseudomonas solanacearum. Phytopathology 42:628-634. Ref. Nov. 1952. 464.8 P56

Viruses and Virus Diseases

40182 AGAPOVA, I. V. Inheritance of immunity to tobacco mosaic virus by some Solanaceae during grafting. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:248-256. Ref. 1952. 442.9 P44

40183 ASUYAMA, H. Internal cork of sweet potatoes in the U. S. A. and its resemblance to the feathery mottle in Japan. (In Japanese.) Jap. J. Plant Protect. 42:452-454. Dec.1952. 421 J27

40184 BAGNALL, R. H. Potato seedlings hypersensitive towards Solanum virus I, Smith (potato virus X), and a rapid means of detecting the reaction. (Abs.) Canad. Phytopath. Soc. Proc. 20:14. 1952,pub.1953. 464.9 C162

40185 BARNES, G. L. Chemical roguing of diseased potato vines. Oreg. Seed Growers League 11:105,107. 1952. 61.9 Or3
To control spread of virus diseases.

40186 BERKELEY, G. H. Virus diseases of Gladiolus. Canad. Gladiolus Soc. Annu. 1953:105-107. 82 C164Q

40187 BITTERS, W. P., DUKESHIRE, N. W., and BRUSCA, J. A. Stem pitting and quick decline symptoms as related to rootstock combinations. Calif. Citrog. 38: 154,170-171. Mar.1953. 80 C125

40188 BITTERS, W. P. Stem pitting on citrus trees; disorder resulting from quick decline observed in California citrus orchards for the first time in 1952. Calif. Agr. [Calif. Sta.] 7:9,14. Jan.1953. 100 C12Cag

40189 BLODGETT, E. C., and TWOMEY, J. A. The 1952 western X little cherry and western X disease surveys. Wash. State Hort. Assoc. Proc. 48:154-155. 1952. 81 W273

40190 BOHN, G. W., FOSTER, R. E., and WHITAKER, T. W. Lettuce mosaic in the Imperial and Yuma Valleys. Plant Dis. Rptr. 37:134. Mar.15,1953. 1.9 P69P

40191 BOYD, W. M. N. J. State inspection and certification for stunt disease of blueberry in 1952. N. J. Agr. Expt. Sta. Cranberry-Blueberry Res. Lab. Annu. Blueberry Open House 21:6-7. Dec.5,1952. 94.35 N46A

40192 BRADLEY, R. H. E. A rapid method of testing plants in the field for potato virus X. Amer. Potato J. 29:289-291. Dec.1952. 75.8 P842

40193 CHAPOT, H. Le "quick décline" existe en Floride. Fruits et Primeurs de l'Afrique du Nord 22: 435-436. Nov.1952. 80 F9482

40194 CHESSIN, M. Factors influencing susceptibility to tobacco mosaic virus (TMV). Mont. Acad. Sci. Proc. 12:23-24. 1952. 500 M762

40195 CHIBA, Y., and TOMINAGA, Y. Cytochemical studies on chloroplasts. II. Inhibitory effects of chloroplast-suspension upon the infectivity of tobacco mosaic virus. Enzymologia 15:267-274. Sept.1,1952. 390.08 En9

40196 COONS, G. H. Sugar beet virus yellows situation in the United States. Amer. Soc. Sugar Beet Technol. Proc. 7:540-548. Ref. 1952. 66.9 Am35

40197 COSTA, A. S., and BENNETT, C. W. A probable vector of Abutilon mosaic on species of Sida in Florida. Plant Dis. Rptr. 37:92-93. Feb.15,1953. 1.9 P69P
Bemisia tabaci.

40198 ENDO, T. A counter-plan of control of sweet potato feathery-mottle. (In Japanese.) Jap. J. Plant Protect. 42:443-445. Dec.1952. 421 J27

40199 ERNOULD, L. La jaunisse de la betterave. Inst. Belge pour l'Amélior. de la Betterave. P. de Vulg. 1:1-15. Mar.1952. 66.9 In7P

40200 ERNOULD, L. La jaunisse de la betterave. Soc. Cent. d'Agr. de Belg. J. (n.s.)1(3),20 p. 1951/52. 13 So1

40201 FINLAY, K. W. At grips with the tomato spotted wilt problem. Grower [Adelaide] 7(7):30,32-34. Jan. 1953. 80 G912

40202 FOGLIANI, G. A grape disease of the "panachure" type. (In Italian.) Not. sulle Mal. delle Piante 21: 8-10. Oct./Dec.1952. 464.8 N84
English summary on p. 71.

40203 FOGLIANI, G. A record of the virosic witch's broom on apple tree. (In Italian.) Not. sulle Mal. delle Piante 21:10-11. Oct./Dec.1952. 464.8 N84
English summary on p. 71.

40204 FORTI, G. The patch method for testing potato virus diseases. (In Italian.) Not. sulle Mal. delle Piante 21:14-16. Oct./Dec.1952. 464.8 N84
English summary on p. 71.

40205 FRY, P. R. Occurrence of lucerne-mosaic virus in New Zealand. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:320-326. Ref. Dec.1952. 514 N48A

40206 FUKANO, H., and YOKOYAMA, S. On a necrotic virus disease of broad bean, garden pea and spring vetch. (In Japanese.) Kyushu Noji Shikenjo 10:133-134. Sept.1952. 107.6 K996

40207 GIDDINGS, N. J. Curly top on potatoes in California. Plant Dis. Rptr. 37:167. Mar.15,1953. 1.9 P69P

40208 GIDDINGS, N. J. Some host and vector relationships of the curly-top virus. Amer. Soc. Sugar Beet Technol. Proc. 7:525-532. Ref. 1952. 66.9 Am35

40209 GILMER, R. M. Transmission of necrotic ringspot virus to a new host. (Abs.) Phytopathology 43: 108. Feb.1953. 464.8 P56
Varieties of Prunus salicina and peach understock used in tests.

40210 GRANT, T. J., and SCHNEIDER, H. Initial evidence of the presence of tristeza, or quick decline of citrus in Florida. Phytopathology 43:51-52. Jan.1953. 464.8 P56

40211 HEILING, A. Der einfluss der vergilbungskrankheit auf den ertrag der rüben. Zucker 6:27-33. Jan. 15,1953. 65.8 Z82

40212 HIRTH, L., and DROUHET, E. Inhibition du virus de la mosaique du tabac par le polyoside capsulaire de Torulopsis neoformans. Inst. Pasteur. Ann. 84:437-440. Feb.1953. 448.3 An75

40213 HULL, R. Control of virus yellows in sugar beet seed crops. Roy. Agr. Soc. Eng. J. 113:86-102. 1952. 10 R81

40214 HYAMS, E. The nature of plant viruses. Mother Earth 7:51-55. Jan.1953. 56.8 M85

40215 KLOEN, D. Breeding beets resistant to yellows. (In Dutch.) Zaadbelangen 7:15-16. Jan.31,1953. 61.8 Z1

40216 KNUDSEN, H. Problems in connection with virus diseases of potatoes. (In Danish.) Dansk Landbr. 72:98. Feb.19,1953. 280.28 V91

40217 KNUDSEN, H. Problems in connection with virus diseases of potatoes. (In Danish.) Jydsk Landbr. 35:99-100. Feb.12,1953. 11 J99

40218 KRISTENSEN, H. R. One more warning to Chrysanthemum growers. Chrysanthemum stunt disease. (In Danish.) Gart.-Tid. 69:81-83. Ref. Feb.16,1953. 80 G192

40219 LACKEY, C. F. Anatomical studies of injury to sugar beets induced by three strains of the curly-top virus. Amer. Soc. Sugar Beet Technol. Proc. 7:532-535. 1952. 66.9 Am35

40220 LANGE, B. Neuere forschungsergebnisse zum kartoffelabbau und zur bekämpfung der viruskrankheiten. Praxis u. Forsch. 5:20-22. Feb.20,1953. 18 P89

40221 MCFARLANE, J. S., and PRICE, C. A new non-bolting, curly-top-resistant, sugar beet variety, U. S. 75. Amer. Soc. Sugar Beet Technol. Proc. 7:384-386. 1952. 66.9 Am35

40222 MCKEEN, C. D. Tobacco etch on peppers in southwestern Ontario. (Abs.) Canad. Phytopath. Soc. Proc. 20:19. 1952,pub.1953. 464.9 C162

40223 MAGIE, R. O., SMITH, F. F., and BRIERLEY, P. Occurrence of western aster yellows virus infection in Gladiolus in eastern United States. Gladiolus 28:93-99. 1953. 96.43 N44

40224 MARCELLI, E. A mosaic of the hybrid clover attributed to the yellow mosaic virus No. 2 of bean. (In Italian.) Not. sulle Mal. delle Piante 20:26-28. Ref. July/Sept.1952. 464.8 N84
English summary, p. 51.

40225 MARCELLI, E. A necrotic virus isolated from tobacco plants showing the mosaic symptoms. (In Italian.) Not. sulle Mal. delle Piante 21:51-56. Oct./Dec.1952. 464.8 N84
English summary on p. 72.

40226 MARCUS, C. P., and MILLER, P. W. Summary of the search for virus-free plants of strawberry varieties. Plant Dis. Rptr. 37:90-91. Feb.15,1953. 1.9 P69P

40227 MARINI, E. Again on the frequency of X virus on imported and indigenous potato. (In Italian.) Not. sulle Mal. delle Piante 21:56-61. Oct./Dec.1952. 464.8 N84
English summary on p. 72.

40228 MOORHEAD, E. L., and PRICE, W. C. A new serological test for tobacco mosaic virus. Phytopathology 43:73-77. Feb.1953. 464.8 P56

40229 MULDER, D. Virus diseases of fruit. I-II. (In Dutch.) Fruitteelt 43:116-117,119,144-145. Feb.7-14, 1953. 86 N28
Apples and pears.

40230 MÜNSTER, J., and MAYOR, G. La lutte préventive contre les viroses de la pomme de terre. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:1-3. Jan. 1953. 17 J82A

40231 MURPHY, A. M., and SAVITSKY, V. F. Breeding for resistance to curly top in hybrids with monogerm beets. Amer. Soc. Sugar Beet Technol. Proc. 7:387-389. 1952. 66.9 Am35

40232 MURPHY, A. M., RYSER, G. K., and OWEN, F. V. Performance of F_1 hybrids between curly-top-resistant and curly-top-susceptible sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:390-392. 1952. 66.9 Am35

40233 NATTI, J. J. Symptoms produced on tomato by potato leafroll virus. (Abs.) Phytopathology 43:109. Feb.1953. 464.8 P56

40234 NICHOLS, C. W. The retarding effect of certain plant hormones on tobacco mosaic symptoms. Phytopathology 42:579-580. Nov.1952. 464.8 P56

40235 NIELSEN, L. W. Effect of temperature on the development of internal cork lesions in sweet potato roots. Phytopathology 42:625-627. Nov.1952. 464.8 P56

40236 PALMITER, D. H. How Western fruit virus diseases look to a New Yorker. Farm Res. [N. Y. Sta.] 16:6. Jan.1953. 100 N48A

40237 PELLUCHI, L., and LEPORI, L. The virus and virus-like diseases of the tomato found in Italy. (In Italian.) Not. sulle Mal. delle Piante 20:1-18. Ref. July/Sept.1952. 464.8 N84
English summary, p. 50.

40238 PERISIC, M. M. Contribution à l'étude de la mosaique du figuier dans le littoral monténegrin (Yougoslavie). (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:229-234. 1952. 106.6 B41
French summary.

40239 POSNETTE, A. F. Heat inactivation of strawberry viruses. Nature [London] 171:312. Feb.14,1953. 472 N21

40240 POSNETTE, A. F. Virus research at the West African Cacao Research Institute, Tafo, Gold Coast. Rev. Internatl. de la Choc. 8:1-5. Ref. Jan.1953 68.38 R32

40241 QUÉMÉNER. La sérologie dans un laboratoire de la F. N. [Fédération Nationale des Producteurs de Plants]. Pomme de Terre Franç. 16(163):7-9. Mar. 1953. 75.8 P77
Testing for virus diseases.

40242 RAYCHAUDHURI, S. P. Studies on bayberry [Myrica carolinensis Mill.] yellows. Phytopathology 43: 15-20. Ref. Jan.1953. 464.8 P56

40243 RAYCHAUDHURI, S. P. Studies on internal browning of tomato. Phytopathology 42:591-595. Ref. Nov.1952. 464.8 P56

40244 REYES, G. M. Mosaic, threat to Philippine sugar industry. Agr. Wk. 1(4):5. Oct.26,1952. 25 Ag83

40245 RIETBERG, H. Virus yellows in western Europe. Amer. Soc. Sugar Beet Technol. Proc. 7:536-539. 1952. 66.9 Am35

40246 ROLAND, G. Quelques recherches sur l'enroulement de la pomme de terre (Solanum virus 14, Appel & Quanjer). Parasitica 8:150-158. 1952. 464.8 P21

40247 ROSS, A F. Physalis floridana as a local lesion test plant for potato virus Y. Phytopathology 43: 1-10. Ref. Jan.1953. 464.8 P56

40248 SCHLEGEL, D. E., and RAWLINS, T. E. A comparison of two methods of preparing tobacco mosaic virus for spectrophotometric assay. Phytopathology 43: 89-91. Feb.1953. 464.8 P56

40249 SCHULZE, E. Die bedeutung der vergilbekrankheit für ertrag und zuckergehalt der zuckerrüben. Deut. Landwirt.-Gesell. Mitt. 68:75-77. Jan.22,1953. 18 N39

40250 SMITH, K. M. A note on the observation of viruses in the cells of infected plants. Biochim. et Biophys. Acta 10:210-214. Feb.1953. 381 B522

40251 SNEEP, J. The mosaic disease of lettuce. (In Dutch.) Zaadbelangen 7:6. Jan.15,1953. 61.8 Z1

40252 SOLIMAN, A. A. The relation between the leaf-roll virus and net-necrosis of potatoes. Amer. Potato J. 30:1-5. Jan.1953. 75.8 P842

40253 STAPP, C., and BARTELS, R. Fortgeführte untersuchungen über den nachweis des X-virus in kartoffeldunkelkeimen. Züchter 22(10/11):298-303. 1952. 442.8 Z8

40254 STUBBS, L. L. Further host range and transmission studies with a virus disease of carrot endemic in Australia. Austral. J. Sci. Res. Ser. B, Biol. Sci. 5: 399-408. Nov.1952. 442.8 Au72

40255 SUKHOV, K. S., SOLOV'EV, B. M., and NIKIFOROVA, G. S. Effect of the formaldehyde derivative, norsulfazol, on tobacco mosaic virus. (In Russian.) Akad. Nauk SSSR. Dok. 88:559-560. Jan.21,1953. 511 P444A

40256 SUKHOV, K. S., and VOVK, A. M. Regeneration of morphology of tuber sprouts in the progeny of potato plants affected with big bud. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:240-247. 1952. 442.9 P44

40257 SUKHOV, K. S. On reproduction conditions of virus nucleoproteides in plant cells. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:222-239. Ref. 1952. 442.9 P44

40258 TAGAMI, Y. On a new virus disease of sweet potato. (In Japanese.) Jap. J. Plant Protect. 33:116-117. Mar.1952. 421 J27

40259 TAKAHASHI, W. N. Rod-shaped virus of radish mosaic. Phytopathology 42:623-624. Ref. Nov. 1952. 464.8 P56

40260 THOMAS, H. R., and ZAUMEYER, W. J. A strain of yellow bean mosaic virus producing local lesions on tobacco. Phytopathology 43:11-15. Ref. Jan.1953. 464.8 P56

40261 WALLACE, J. M., and DRAKE, R. J. New virus found in citrus. Calif. Citrog. 38:180-181. Mar. 1953. 80 C125

40262 WENZL, H. Die vergilbungskrankheit der rübe. Bauer 6(5):13-14. Jan.31,1953. 19 B32
Austria.

40263 WOLFE, H. R., and ANTHON, E. W. Spray programs in stone fruit orchards decrease populations of insect vectors of the western X-disease virus. Wash. State Hort. Assoc. Proc. 48:156-157. 1952. 81 W273

40264 WOLLNER, F. Prüfung neuer kartoffelzüchtungen auf virusresistenz. Landbforsch. Völkenrode 2: 86-88. Oct.1952. 18 L2353

40265 YOSHII, H., and OMORI, N. A virus disease of Unshiu orange. (In Japanese.) Jap. J. Plant Protect. 33:118-119. Mar.1952. 421 J27

40266 ZAUMEYER, W. J. Alfalfa yellow mosaic virus systemically infectious to beans. Phytopathology 43:38-42. Ref. Jan.1953. 464.8 P56

40267 ZAUMEYER, W. J., and FISHER, H. H. A new necrotic-lesion-producing strain of yellow bean mosaic. Phytopathology 43:45-49. Ref. Jan.1953. 464.8 P56

Diseases Caused by Nematodes

40268 BRUINSMA, F. Control of nematodes [Ditylenchus dipsaci] on shallots. (In Dutch.) Groenten en Fruit 8:577,579. Feb.5,1953. 80 G89

40269 CAIRNS, E. J. A culture-reared, plant parasitic nematode suitable for teaching and research. Phytopathology 43:105-106. Feb.1953. 464.8 P56

40270 CARROLL, J. Eelworm and insect pests. VII. Agr. Ireland 10:65,67. Mar.1953. 10.5 Ag8

40271 COBB, G. S., and TAYLOR, A. L. Heterodera leptonepia, n. sp., a cyst-forming nematode found in soil with stored potatoes. Helminthol. Soc. Wash. Proc. 20: 13-15. Jan.1953. 436.9 H36

40272 DROPKIN, V. H. Studies on the variability of anal plate patterns in pure lines of Meloidogyne spp., the root-knot nematode. Helminthol. Soc. Wash. Proc. 20:32-39. Jan.1953. 436.9 H36

40273 GAINES, J. G. Tobacco root-knot control by soil fumigation. Dixie Co-op News 3(7):6. Feb.1953. 280.28 D64

40274 GARRISS, H. R. Nematode control in flue-cured tobacco. N. C. Agr. Col. Ext. C. 374,15 p. Jan. 1953. 275.29 N811

40275 GOTO, S., and HASUKO, E. On the treatment with chloropicrin for the nematic root-rot of sweet potato. 2. (In Japanese.) Kyushu Noji Shikenjo 10:149-150. Sept. 1952. 107.6 K996

40276 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Stem and bulb eelworm on clover. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 409,6 p. Jan.1953. 10 G79La

40277 KONDO, T. Root-knot Nematoda and its control. (In Japanese.) Jap. J. Plant Protect. 39/40:352-355. Oct.1952. 421 J27

40278 LOWNSBERY, B. F. Host preferences of the tobacco cyst nematode (Heterodera sp.) Phytopathology 43:106-107. Feb.1953. 464.8 P56

40279 MACHMER, J. H. Criconemoides sp., a ring nematode associated with peanut "yellows." Plant Dis. Rptr. 37:155. Mar.15,1953. 1.9 P69P

40280 MAI, W. F., and LEAR, B. The golden nematode [Heterodera rostochiensis]. N. Y. Agr. Col. Cornell Ext. B. 870,32 p. Ref. 1952? 275.29 N48E
A new threat to the American potato industry.

40281 MAI, W. F., and LAUTZ, W. H. Relative resistance of free and encysted larvae of the golden nematode Heterodera rostochiensis Wollenweber to D-D mixture and hot water. Helminthol. Soc. Wash. Proc. 20:1-7. Jan.1953. 436.9 H36

40282 MANUEL, G. D. Developments in nematode control. Spreckels Sugar Beet B. 17:6-7. Jan./Feb.1953. 66.8 Sp7

40283 MARINI, E. Experiments on the control of nematodes in soil. (In Italian.) Not. sulle Mal. delle Piante 21:11-14. Oct./Dec.1952. 464.8 N84
English summary on p. 71.

40284 NETTLES, W. C., LEWIS, J. M., and SCHILLETTER, A. E. Control of root knot and other nematodes. Clemson Agr. Col. S. C. Ext. C. 382,16 p. Jan.1953. 275.29 So8E

40285 NOLTE, H. W., and KOHLER, H. Pflanzenschädigungen bei nematodenbefall und ihre kausalen ursachen. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:24-28. Ref. Feb./Mar.1952. 464.9 N11

40286 PERRY, V. G. The awl nematode, Dolichodorus heterocephalus, a devastating plant parasite. Helminthol. Soc. Wash. Proc. 20:21-27. Jan.1953. 436.9 H36

40287 SCHUSTER, M. L., and HARRIS, L. Effects of crop rotation on the incidence of root-knot disease of sugar beets in western Nebraska. Amer. Soc. Sugar Beet Technol. Proc. 7:511-518. Ref. 1952. 66.9 Am35

40288 SCHUSTER, M. L. Host range of the root-knot nematode of western Nebraska. Amer. Soc. Sugar Beet Technol. Proc. 7:519-524. Ref. 1952. 66.9 Am35

40289 TANAKA, I. On the effective-bounds of certain fumigants to soil for the root-knot nematode (Heterodera marioni (Cornu) Goodey). (In Japanese.) Kyushu Noji Shikenjo 10:147-148. Sept.1952. 107.6 K996

40290 TARJAN, A. C. Known and suspected plant-parasitic nematodes of Rhode Island. 1. Helminthol. Soc. Wash. Proc. 20:49-54. Jan.1953. 436.9 H36

40291 WELLS, J. C., HANSON, C. H., and LEWIS, J. The reaction of Rowan, Korean and Kobe lespedeza to root-knot nematode species [Meloidogyne]. Plant Dis. Rptr. 37:97. Feb.15,1953. 1.9 P69P

ECOLOGY

40292 AMINOFF, F. Nature protection and nature values. VI. (In Swedish.) Skogen [Stockholm] 39:210-211. Oct.1,1952. 99.8 Sk51
Copse vegetation.

40293 BUELL, M. F., and NIERING, W. A. Vegetation of a raised bog near Itasca Park, Minnesota. Torrey Bot. Club-B. 80:123-130. Ref. Mar./Apr.1953. 451 T63B

40294 BYERS, H. R. Coast Redwoods [Sequoia sempervirens] and fog drip. Ecology 34:192-193. Ref. Jan.1953. 410 Ec7

40295 COOKE, W. B. A survey of literature on fungus sociology and ecology. II. Ecology 34:211-222. Ref. Jan.1953. 410 Ec7

40296 COOPER, H. W. Amounts of big sagebrush [Artemisia tridentata] in plant communities near Tensleep, Wyoming, as affected by grazing treatment. Ecology 34:186-189. Jan.1953. 410 Ec7

40297 CORDRAY, M. V. A bibliography on vascular plants as indicators of environment in the Arctic and Subarctic Regions. Washington,1952. 31 p. 241.75 C81
Thesis (M.S.) - Catholic University of America.

40298 DAEVA, O. V. Ecologic geographical analysis of the santonica-like Artemisia. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:49-55. Ref. 1952. 451 M854
A. ciniformis.

40299 DEXTER, R. W. Recession of eelgrass [Zostera marina] at Cape Ann, Massachusetts. Ecology 34: 229-231. Jan.1953. 410 Ec7

40300 FENTON, E. W. The influence of man and animals on the vegetation of certain hill grazings in south east Scotland. II. Edinb. and East Scot. Col. Agr. Tech. B. 5,84 p. Ref. Sept.1952. 103 Ed4T

40301 FIREMAN, M., and HAYWARD, H. E. Indicator significance of some shrubs in the Escalante Desert, Utah. Bot. Gaz. 114:143-155. Ref. Dec.1952. 450 B652

40302 FUKUI, J., and ONO, H. Ecological studies on Japanese soy-bean varieties. II. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:49-73. Ref. May 1952. 107.6 K83
English summary.

40303 HANSON, H. C. Vegetation types in northwestern Alaska and comparisons with communities in other Arctic regions. Ecology 34:111-140. Ref. Jan. 1953. 410 Ec7

40304 HARTMANN, F. Forstökologie, zustandserfassung und standortsgemässe gestaltung der lebensgrundlagen des waldes. Wien,Fromme,1952. 460 p. 463.83 H25

40305 [ÂBLOKOV, A. S. Biogeocenology—a metaphysical teaching. (In Russian.) Les i Step' 4(10):27-35. Oct.1952. 99.8 L565
Discussion of V. N. Sukachev's ideas on forest ecology.

40306 [UNOVIDOV, A. P. In regard to investigating the intraspecific interrelations in the forest. (In Russian) Lesn. Khoz. 5(8):11-13. Aug.1952. 99.8 L5622

40307 KARPOV, V. G. Ecology in the growth of tree species in the arid steppe zone. (In Russian.) Bot. Zhur. 37:594-609. Ref. Sept./Oct.1952. 451 R923

40308 KATO, R. The vegetation of the Tokyo University Forest in Hokkaido. (In Japanese.) Tokyo U. Forests. B. 43:1-18. Ref. June 1952. 99.9 T57
English summary.

40309 KIRSANOV, M. P., and FURSAEV, A. D. Question of study of the succession of vegetation in steepes. (In Russian.) Bot. Zhur. 37(6):862-864. Nov./Dec.1952. 451 R923

40310 KUL'TIASOV, I. M. Ecologic characteristics of certain representatives of the western Tyan'-Shan flora. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:98-104. 1952. 451 M854

40311 KURZ, H., and WAGNER, K. A. Factors in cypress dome development. Ecology 34:157-164. Jan. 1953. 410 Ec7

40312 LEVINA, F. [A., and ISACHENKO, T. I. Degeneration of tree and shrub plantations in the Yergeni Hills. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:20-39. Ref. 1952. 451 Sa21G
Ecological effect of invasion by weedy growth.

40313 MAKAROV, S. N. Biological forms of Quercus robur in the Ostankinsk grove. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:53-55. 1952. 451 M854
Ecology.

40314 MARCHI, V. Introduction to agricultural ecology. Riv. di Ecol. 2:178-200. 1952. 410 R522
Plants.

40315 MATHON, C. C. Description, écologie et dynamique de quelques phytocénoses en Haute-Provence Occidentale (Montagne de Lure). Ann. Biol. (ser.3)28:165-198. Ref. Sept./Oct.1952. 442.8 An7

40316 MYERS, E., and CHAPMAN, V. J. Statistical analysis applied to a vegetation type in New Zealand. Ecology 34:175-185. Jan.1953. 410 Ec7

40317 NUMATA, M., and NOBUHARA, H. Studies on the coastal vegetation at Nijigahama. 1. Bot. Mag. 65:149-157. Ref. July/Aug.1952. 450 B651

40318 OHCI, H. Autecological study of mosses in respect to water economy. I. Bot. Mag. 65:112-118. Ref. May/June 1952. 450 B651

40319 PANDEYA, S. C. Grasslands of Sagar, Madhya Pradesh. Indian Forester 78:638-654. Ref. Dec.1952. 99.8 In2
An ecological study.

40320 POGREBNÍAK, P. S. On biogeocenosis, its origin and essence. (In Russian.) Les i Step' 4(11):38-44. Nov.1952. 99.8 L565
Discussion on forest ecology.

40321 ROISIN, P., and THILL, A. Aperçu de la vegetation forestière de quelques bois de la region Sablo-Limoneuse. Soc. Roy. Forest. de Belg. B. 59:513-537. (Cont.) Dec.1952. 99.9 B83

40322 SCHNELL, R. Contribution à une étude phytosociologique et phytogéographique de l'Afrique Occidentale: les groupements et les unités géobotaniques de la région guinéenne. Inst. Franç. d'Afrique Noire. Mém. 18:41-234. Ref. 1952. 515 D14M

40323 SEREBRÍAKOV, I. G. Material for the study of the geographical variability of oak seedlings from semi-arid areas and pine and hardwood areas. (In Russian.) Bot. Zhur. 37(6):749-763. Ref. Nov./Dec.1952. 451 R923

40324 STEHLE, H. Relations entre les exigences écologiques des fourragères et les types de patures et savanes dans l'Archipel Caraibe. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:337-346. Ref. Apr./June 1952. 14 F8499A

40325 TARAKANOV, K. N. Method of historico-ecological study of heterocarpism in some species of solonchak plants. (In Russian.) Lab. Evolíuts. Ekol. Rast. im. B. A. Kellera. Trudy 3:91-105. Ref. 1952. 451 Ak13
Atriplex hortensis and Suaeda corniculata.

40326 TERESHCHENKO, Z. S. Some remarks in regard to the article [on forest ecology] by Academician V. N. Sukachev. (In Russian.) Les i Step' 4(11):45-47. Nov.1952. 99.8 L565

40327 VIKTOROV, S. V. Variation of [plant] species in relation to influence of soil forming rock. (In Russian.) Lab. Evolíuts. Ekol. Rast. im. B. A. Kellera. Trudy 3: 228-237. Ref. 1952. 451 Ak13

40328 ZHUKOV, A. B. On criticism of the biogeocenosis by Professor N. P. Anuchin. (In Russian.) Lesn. Khoz. 5(10):47-50. Oct.1952. 99.8 L5622
Forest ecology.

MORPHOLOGY, ANATOMY, AND CYTOLOGY

40329 AMMAL, E. K. J. Chromosomes and the species problem in the genus Viburnum. Cur. Sci. 22: 4-6. Jan.1953. 475 Sci23

40330 ARTÍUSHENKO, Z. T. Double flowering of Mathiola. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:341-344. Ref. 1952. 451 Ak15

40331 ARTÍUSHENKO, Z. T., and SOKOLOV, S. ÍA. Growth of leaf blade of certain tree species. (In Russian.) Bot. Zhur. 37:610-628. Ref. Sept./Oct.1952. 451 R923

40332 ARTÍUSHENKO, Z. T. Reciprocal action between the point of growth and the cambium in Iberian oak (Quercus iberica Stev.). (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:336-340. Ref. 1952. 451 Ak15

40333 ARTSCHWAGER, E. Sugar beet types based on internal morphology. Amer. Soc. Sugar Beet Technol. Proc. 7:434-440. 1952. 66.9 Am35

40334 ASTBURY, W. T., and SAHA, N. N. Structure of algal flagella. Nature [London] 171:280-283. Feb.14, 1953. 472 N21

40335 BELIKOVA, N. L. Polyembryony in beans. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):65-66. Ref. 1952. 511 M85

40336 BREVIGLIERI, N. Studies and researches on the flower and fruit biology of the apple in the Ferrara Province. I. (In Italian.) Ann. della Sper. Agr. (n.s.) 7:97-136. 1953. 16 An76
English summary.

40337 BUELL, K. M. Developmental morphology in Dianthus. III. Seed failure following interspecific crosses. Amer. J. Bot. 40:116-123. Ref. Mar.1953. 450 Am36

40338 CAMEFORT, H. Evolution de la phyllotaxie et de la taille du point végétatif de Cupressus macrocarpa Hartw. pendant les trois premières années de son développement. Acad. des Sci. Compt. Rend. 236:847-849. Feb.23,1953. 505 P21

40339 CAVE, M. S. Sporogenesis and gametogenesis in Odontostomum hartwegii Torr. Phytomorphology 2: 210-214. Ref. Dec.1952. 450 P566

40340 CHAKRAVARTI, S. C. Organization of shoot apex during the ontogeny of Brassica campestris L. Nature [London] 171:223-224. Ref. Jan.31,1953. 472 N21

40341 CHAMPAGNAT, M. Sur un type de méristème apical à prédominance foliaire: le point végétatif des rameaux non florifères de Linaria chalepensis Mill. Acad. des Sci. Compt. Rend. 236:963-966. Mar.2,1953. 505 P21

40342 CHOU, Y. L. Floral morphology of three species of Gaultheria. Bot. Gaz. 114:198-221. Ref. Dec.1952. 450 B652

40343 CRETE, P. Embryogénie des Papilionacées. Développement de l'embryon chez le Trigonella caerulea Ser. Acad. des Sci. Compt. Rend. 236:740-742. Feb.16, 1953. 505 P21

40344 DERISHCHEV, M. G. Pubescence on the gynophore and fruit of a peanut. (In Russian.) Bot. Zhur. 37 (6):858-861. Nov./Dec.1952. 451 R923

40345 DERMEN, H. Periclinal cytochimeras and origin of tissues in stem and leaf of peach. Amer. J. Bot. 40:154-168. Ref. Mar.1953. 450 Am36

40346 DERMEN, H. Polyploidy in the apple found seven years after colchicine treatment. Fruit Varieties & Hort. Digest 7:28-29. Dec.1952. 80 F9464

40347 DERMEN, H. A tetraploid sport of Delicious apple from Idaho. Fruit Varieties & Hort. Digest 7:29. Dec.1952. 80 F9464

40348 DEVI, S. Studies in the order Parietales. III. Vascular anatomy of the flower of Carica papaya L., with special reference to the structure of the Gynaeceum. Indian Acad. Sci. Proc. Sect. B 36:59-69. Ref. Aug.1952. 513 In25B

40349 DUCHAIGNE, A. Sur la transformation du collenchyme en sclérenchyme chez certaines Ombellifères. Acad. des Sci. Compt. Rend. 236:839-841. Feb. 23,1953. 505 P21

40350 ELLIOT, E., and MOSS, B. Incidence of meiosis in the life-cycle of Halidrys siliquosa Lyngb. Nature [London] 171:357. Feb.21,1953. 472 N21

40351 EMBERGER, L. Tige, racine, feuille. Ann. Biol. (ser.3)28:C109-C128. May/June 1952. 442.8 An7
Includes discussion.

40352 EMBERGER, L. La véritable fronde des fougéres anciennes et la phylogénése de la fronde. Acad. des Sci. Compt. Rend. 236:443-444. Feb.2,1953. 505 P21

40353 FRAHM-LELIVELD, J. A. Some chromosome numbers in tropical leguminous plants. Euphytica 2: 46-48. Feb.1953. 450 Eu6

40354 GABAÍ, V. S. Root system of pine of natural origin and of cultivated pine. (In Russian.) Lesn. Khoz. 5(12):79. Dec.1952. 99.8 L5622

40355 GINIEIS, C. Contribution à l'étude anatomique des plantules de palmiers. IV. La plantule de Washingtonia gracilis Parish. Mus. Natl. d'Hist. Nat. B. (ser.2) 24:392-399. July 1952. 410.9 P213

40356 GORDON, W. L. Sexual phenomena related to the production of perithecia in certain species of Fusarium. (Abs.) Canad. Phytopath. Soc. Proc. 20:15-16. 1952,pub.1953. 464.9 C162

40357 GRASSO, V. Malformations of uncertain etiology in leaves of Prunus spp. (In Italian.) Ann. della Sper. Agr. (n.s.)7:147-155. Ref. 1953. 16 An76
English summary.

40358 GRUSHVITSKIÍ, I. V. "Roots that contract"—an important biological characteristic of Panax ginseng C. A. M. (In Russian.) Bot. Zhur. 37:682-685. Ref. Sept./Oct.1952. 451 R923

40359 GURGEL, J. T. A., and SOUBIHE, J. Analysis of polyembryony in citrus, especially pummelos. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:727-746. Ref. 1951. 102.5 P66A
English summary.

40360 HANSON, A. A., and HILL, H. D. The meiotic behavior of hexaploid orchard grass (Dactylis glomerata L.). Torrey Bot. Club B. 80:113-122. Mar./Apr.1953. 451 T63B

40361 HARADA, I. Chromosome studies of some dicotyledonous water plants. (In Japanese.) Jap. J. Genet. 27:117-120. Ref. Aug.1952. 442.9 J27
English summary.

40362 HAYASHI, T. Some aspects of behavior of the protoplasmic streaming in plant cells. Bot. Mag. 65: 51-55. Mar./Apr.1952. 450 B651

40363 HINO, I. Specific characteristics or malformation caused by pathogen? (In Japanese.) J. Jap. Bot. 27:357-361. Dec.1952. 450 J8223
English summary.

40364 HIRAOKA, T. Observational and experimental studies of meiosis with special reference to the bouquet stage. VI-VII. Bot. Mag. 65:61-67,102-108. Mar./Apr. May/June 1952. 450 B651

40365 HOCQUETTE, M., and HOCQUETTE, MME. M. Les régions hétérochromatiques du noyau quiescent de Cucurbita et de Phaseolus. Action de l'acide folique. Acad. des Sci. Compt. Rend. 236:841-844. Feb.23,1953. 505 P21

40366 INADA, A. The meiotic chromosome spirals of Tradescantia paludosa (n=6). (In Japanese.) Bot. Mag. 65:192-194. July/Aug.1952. 450 B651
English summary.

40367 JUHL, H. Zytologische untersuchungen an einigen formen von Poa pratensis L. in Schleswig-Holstein. Flora [Jena] 139:462-476. Ref. Oct.24,1952. 450 F66

40368 JUST, T. Origine et évolution de la fleur. Ann. Biol. (ser.3)28:C135-C148. Ref. May/June 1952. 442.8 An7
Includes discussion.

40369 KNOBLOCH, I. W. Tetraploid smooth bromegrass [Bromus inermis]. Torrey Bot. Club B. 80:131-135. Ref. Mar./Apr.1953. 451 T63B

40370 KONOVALOV, I. N. Deviations in the structure of certain plants. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:327-336. Ref. 1952. 451 Ak15
Abnormalities in fruit.

40371 LABOURIAU, L. G. On the latex of Regnellidum diphyllum Lindm. Phyton [Buenos Aires] 2:57-74. Ref. Dec.1952. 450 P567

40372 LANCE, A. Sur la variation nycthémérale de l'activité mitotique dans l'apex de Vicia faba L. Acad. des Sci. Compt. Rend. 236:844-846. Feb.23,1953. 505 P21

40373 LANCE, A. Sur l'absence d'initiales apicales et la configuration de l'anneau initial chez Vicia faba L. Acad. des Sci. Compt. Rend. 236:510-512. Feb.2,1953. 505 P21

40374 LEMESLE, R. Nature des éléments sclérenchymateux de la tige du Lactoris fernandeziana Philippi. Rev. Gén. de Bot. 60:15-21. Jan.1953. 450 R326

40375 LIPAEVA, L. I. On the leaf structure of desert plants in Southern Pribalkhash Area. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):67-73. Ref. 1952. 511 M85

40376 LOH, C. S., TSENG, P. M., and HU, T. H. The nature of rind hardness of stalk of sugarcane. (In Chinese.) J. Sugar Res. 6:167-190. Aug.1952. 65.8 J822
English summary.

40377 LUNDEGÅRDH, H. Properties of the cytochrome system of wheat roots. Arkiv f. Kemi 5:97-146. Ref. 1953. 385 Ar4

40378 MAGNE, F. Méiose et nombre chromosomique chez les Laminariaceae (Laminariales, Pheophyceae). Acad. des Sci. Compt. Rend. 236:515-517. Feb.2,1953. 505 P21

40379 MANGENOT, G. L'évolution de l'ovule du pistil et du fruit. Ann. Biol. (ser.3)28:C149-C162. July/Aug.1952. 442.8 An7

40380 MOREAU, F., and MOREAU, MME. F. Sur le développement du Ceratocystis moniliformis (Hedgcock) nov. comb. Rev. de Mycol. 17:141-153. Ref. Nov.1, 1952. 450 An74

40381 NAGARAJ, M. Floral morphology of Populus deltoides and P. tremuloides. Bot. Gaz. 114:222-243. Ref. Dec.1952. 450 B652

40382 NAGATOMO, S. The wall structure of tracheid with special reference to its layers. Bot. Mag. 65:43-50. Ref. Mar./Apr.1952. 450 B651

40383 NAKAJIMA, G. Cytological studies of (Triticum turgidum × Secale cereale × Triticum vulgare F_1) × T. turgidum F_1 plants. (In Japanese.) Jap. J. Breeding 2:31-36. Oct.1952. 64.8 J27
English summary.

40384 OINUMA, T. Karyomorphology of cereals. V. (In Japanese.) Bot. Mag. 65:236-244. Ref. Sept./Oct. 1952. 450 B651
English summary.
Barley.

40385 OKUNO, H. Electron-microscopical study on fine structures of diatom frustules. IX. Bot. Mag. 65: 158-163. July/Aug.1952. 450 B651

40386 OZENDA, P. Remarques sur quelques interprétations de l'étamine. Phytomorphology 2:225-231. Ref. Dec.1952. 450 P566
English summary.

40387 PALSER, B. F. Early endosperm developement and embryogeny in Cassiope hypnoides. Ill. State Acad. Sci. Trans. 44:51-57. Ref. 1951,pub.1952. 500 IL6

40388 PARCHWITZ, H. K. Die bedeutung der pflanzentumoren im hinblick auf die allgemeine geschwulstforschung. Deut. Akad. der Wiss. Wiss. Ann. 2:123-137. Feb.1953. 509 D48W

40389 PELLISSIER, F., and BERNARD, P. Les premières étapes de la trachéogénèse radiculaire avant l'édification des radicelles. Acad. des Sci. Compt. Rend. 234:2216-2218. May 26,1952. 505 P21

40390 PESHKOV, M. A., and others. Cytological changes of Actinomyces globisporus mycelium during lysis effected by actinophage. (In Russian.) Mikrobiologiia 21:665-670. Ref. Nov./Dec.1952. 448.3 M582
IA. I. Rautenshtein, M. I. Sorokina, A. F. Cherednichenko, and A. S. Sharkova, joint authors.

40391 PETINOV, N. S., BROVTSYNA, V. L., and PRUSAKOVA, L. D. Anatomical indicators of productivity of spring wheats. (In Russian.) In Akademiia Nauk. Institut Fiziologii Rastenii im. K. A. Timiriazeva. Oroshenie sel'skokhoziaistvennykh kul'tur, v.1,p.134-148. Ref. Moskva,1952. 55 Ak1

40392 PETROVA, K. A. Polyembryony in the Caucasian daisy [Chrysanthemum caucasicum]. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:68-69. Ref. 1952. 451 M854

40393 PIREYRE, N. Etude des poils silicieux de Quisqualis indica. Acad. des Sci. Compt. Rend. 236: 742-744. Feb.16,1953. 505 P21

40394 PLANTEFOL, L. Sur la feuille des cierges. Acad. des Sci. Compt. Rend. 236:625-627. Feb.9,1953. 505 P21
Myrtillocactus geometrizans.

40395 QUILICHINI, R. Contribution à l'evolution cytologique et chimique de quelques graines de legumineuses. Botaniste 36:1-192. 1952. 450 B657

40396 RATTENBURY, J. A., and SERRA, J. A. Types of nucleolus reconstitution in telophase and the question of the "nucleolar organizer." Portugaliae Acta Biol. Sér. A 3:239-260. Ref. 1952. 442.8 P83
In plants.

40397 REZENDE-PINTO, M. C. DE. Sur l'optique et la structure chloroplastonématique des chloroplastes de Spirogyra. Portugaliae Acta Biol. Sér. A 3:281-285. 1952. 442.8 P83

40398 RICHHARIA, R. H., and GHOSH, P. N. Meiosis in Momordica dioica Roxb. Cur. Sci. 22:17-18. Jan. 1953. 475 Sci23

40399 ROBINSON, E., and BROWN, R. Cytoplasmic particles in bean root cells. Nature [London] 171:313. Feb.14,1953. 472 N21

40400 ROMANOV, I. D. In regard to the anatomy of relict plants. Anatomy of the leaf of Tulipa regelii. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):79-87. Ref. 1952. 511 M85

40401 SAVILE, D. B. O. Splash-cup dispersal mechanism in Chrysosplenium and Mitella. Science 117: 250-251. Mar.6,1953. 470 Sci2

40402 SAWAMURA, S. Cytological studies on several species of potato. I. (In Japanese.) Bot. Mag. 65:27-33. Jan./Feb.1952. 450 B651
English summary.

40403 SCHNEIDER, G. W. Megagametogenesis and embryology in a diploid and an aneuploid apple. Amer. J. Bot. 40:196-203. Ref. Mar.1953. 450 Am36

40404 SCHNELL, R. Contribution à l'étude des cécidies de l'Afrique Occidentale. Inst. Franç. d'Afrique Noire. Mém. 18:237-334. Ref. 1952. 515 D14M

40405 SHIELDS, L. M., and SATTLER, F. W. Xylem development in young internodes of the Kentucky Wonder bean. Bot. Gaz. 114:243-248. Dec.1952. 450 B652

40406 SHINOBU, R. Studies on the stomata of Potamogeton. Bot. Mag. 65:56-60. Mar./Apr.1952. 450 B651

40407 SINGLETON, J. R. Chromosome morphology and the chromosome cycle in the ascus of Neurospora crassa. Amer. J. Bot. 40:124-144. Ref. Mar.1953. 450 Am36

40408 SINIUKHIN, A. M. Cytological and physiological analysis of the growing point of barley. (In Russian.) Akad. Nauk SSSR. Dok. 88:333-335. Ref. Jan.11,1953. 511 P444A

40409 SINIUKHIN, A. M. In regard to the ontogenesis of plant cells. (In Russian.) Agrobiologiia 6:80-91. Nov./Dec.1952. 20 Ag822
Experiments with Physalis.

40410 SLADKOV, A. N. On forms of pollen grains of Nitraria schoberi. (In Russian.) Akad. Nauk SSSR. Dok. 88:561-563. Jan.21,1953. 511 P444A

40411 SNOW, R., and SNOW, M. Regeneration of the potato shoot apex. Nature [London] 171:224-225. Jan. 31,1953. 472 N21
With note by I. M. Sussex.

40412 SOUÈGES, R., and CRÉTÉ, P. Les acquisitions les plus récentes de l'embryogénie des angiospermes (1947-1951). Ann. Biol. (ser.3)28:9-45. Ref. Jan./Feb. 1952. 442.8 An7

40413 STEFFEN, K. Die embryoentwicklung von Impatiens glanduligera Lindl. Flora [Jena] 139:394-461. Ref. Oct.24,1952. 450 F66

40414 STESSEL, G. J., and ZUCKERMAN, B. M. The perithecial stage of Chalara quercina in nature. Phytopathology 43:65-70. Ref. Feb.1953. 464.8 P56

40415 SUBRAMANYAM, K., and RAO, A. N. A contribution to the embryology of Chlorophytum attenuatum Bak. Indian Acad. Sci. Proc. Sect. B 36:191-197. Nov.1952. 513 In25B

40416 TAKHTADZHIAN, A. L. Telomophyta theory and the "new morphology." (In Russian.) Bot. Zhur. 37: 647-658. Ref. Sept./Oct.1952. 451 R923
Historical methods in plant morphology.

40417 TATUNO, S. Vergleichung der morphologie der intraspezifischen polyploiden von Dumortiera hirsuta und die artkonstante. (In Japanese.) Jap. J. Genet. 27: 121-128. Ref. Aug.1952. 442.9 J27
German summary.

40418 TORIYAMA, H. On the abnormalities of Spirogyra cells caused by saponin solution. (In Japanese.) Bot. Mag. 65:68-70. Mar./Apr.1952. 450 B651
English summary.

40419 VALISHINA, V. P., and TSINGER, N. V. Relation of Aconitum seed germination to the size of its embryo. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:45-47. 1952. 451 M854

40420 WALTON, J. L'évolution des téguments et de la protection du sporange. Ann. Biol. (ser.3)28:C129-C133. May/June 1952. 442.8 An7
Includes discussion.

40421 WARDLAW, C. W. The effect of isolating the apical meristem in Echinopsis, Nuphar, Gunnera and Phaseolus. Phytomorphology 2:240-242. Dec.1952. 450 P566

40422 WEIHE, K. VON. Uber die rhizoidbildung und die rhizoidzelle bei Spirogyra. Z. f. Bot. 40:231-249. Ref. 1952. 450 Z32

40423 YANO, K. On the chromosomes in some mosses. II. (In Japanese.) Bot. Mag. 65:195-198. July/Aug.1952. 450 B651
English summary.

40424 YASUZUMI, G., and YAMANAKA, T. Electron microscope observations on nucleolar structure. (In Japanese.) Jap. J. Genet. 27:111-112. Aug.1952. 442.9 J27
English summary.
Tests with Tradescantia reflexa.

40425 ZOBEL, B. J. Abnormal cone formation in pines. Tex. J. Sci. 4:517-520. Dec.30,1952. 470 T31

GENETICS

40426 ANGULO BUSQUETS, M. Los hfbridos de variedad por línea en el maíz. Agricultura [Madrid] 22 (249):8-14. Jan.1953. 15 Ag84

40427 BAZAVLUK, V. IU. Grafted chimeras--vegetative hybrids with mixed heredity. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:82-109. Ref. 1952. 442.9 P44
Experiments with Solanum nigrum, S. guinense, and tomatoes.

40428 BECKER-DILLINGEN, J. Was bedeuten die bezeichnungen diploid und triploid? Unser Wegweiser im Obstbau, Gart. Kleintierhof 8:6-7. Jan.1953. 18 Un7

40429 BELL, G. D. H., and SACHS, L. Investigations in the Triticinae. II. The cytology and fertility of intergeneric and interspecific F_1 hybrids and their derived amphidiploids. J. Agr. Sci. 43:105-115. Ref. Jan.1953. 10 J822

40430 BIANCHI, A., and FORLANI, R. Flowering of wheat. (In Italian.) Genet. Agr. 3:51-88. Ref. Nov. 30,1951. 450 G28
English summary.
Time of flowering and effect of hybridization.

40431 BREIDER, H. Uber die inaktivierung von genen, genkomplexen und genomen. Z. f. Pflanzenzucht. 31:433-456. Ref. Nov.1952. 450 Z36

40432 BRIEGER, F. G. Considerations on the use of synthetic varieties in corn breeding. I. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:769-799. Ref. 1951. 102.5 P66A
English summary.

40433 BRIEGER, F. G. Preliminary note on variation in Brazilian orchids. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:801-813. 1951. 102.5 P66A
English summary.

40434 BRIX, K. Gibt es pfropfbastarde? Was bei der nachprüfung russischer versuche herauskam. Orion 8: 125-127. Feb.1953. 474 Or4

40435 BROWN, S. W., and CAVE, M. S. Induced dominant lethality in Lilium. Natl. Acad. Sci. Proc. 39: 97-102. Ref. Feb.1953. 500 N21P

40436 CARLONE, R. Observations on a probable bud mutation of the Elberta peach. (In Italian.) Genet. Agr. 3:1-10. Ref. Nov.30,1951. 450 G28
English summary.

40437 DARLINGTON, C. D. Polyploidy in animals. Nature [London] 171:191-194. Ref. Jan.31,1953. 472 N21
Comparison with plants.

40438 FORLANI, R. Grafts of Solanaceae. (In Italian.) Genet. Agr. 3:89-92. Nov.30,1951. 450 G28
English summary.
Especially tomatoes.

40439 HAGA, T. Failure of pairing of a particular chromosome pair in Trillium kamtschaticum Pall. Jap. J. Genet. 27:72-74. Aug.1952. 442.9 J27

40440 HYDE, B. B. Addition of individual Haynaldia villosa chromosomes to hexaploid wheat. Amer. J. Bot. 40:174-182. Ref. Mar.1953. 450 Am36

40441 JACOMETTI, G. An unexpected color change in a Piedmont variety of wheat. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:6-7. Jan.1953. 16 C72

40442 KARAPETIAN, V. K. On formation of species in plants. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19.16-37. Ref. 1952. 442.9 P44
Conversion of wheat into rye and rye into wheat.

40443 KARASHCHUK, I. M. Interspecific hybrids of alfalfa as initial material for selection. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:380-402. Ref. 1952. 33.31 Ak13

40444 KELLER, E. F. Diversity of individuals of the progeny of a self-pollinator and its importance for evolution. (In Russian.) Lab. Evolîuîs. Ekol. Rast. im. B. A. Kellera. Trudy 3:162-170. 1952. 451 Ak13
Investigation on Thlaspi arvense.

40445 KELLER, E. F. Inheritance of an acquired characteristic under the influence of an environmental factor as exemplified by the experiment with Papaver somniferum. (In Russian.) Lab. Evolîuîs. Ekol. Rast. im. B. A. Kellera. Trudy 3:151-161. 1952. 451 Ak13

40446 KOSIKOV, K. V. Controlled variability and species formation in yeasts. (In Russian.) Akad. Nauk SSSR. Dok. 87:139-141. Nov.1,1952. 511 P444A

40447 KOSIKOV, K. V. Experimental evidence of controlled variability of enzymatic properties in yeasts effected by a specific substrate. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:199-221. Ref. 1952. 442.9 P44

40448 KUPTSOV, A. I. Transformation of wild-growing perennial plants into cultivated ones of short life. (In Russian.) Akad. Nauk SSSR. Dok. 86:1037-1040. Oct.11,1952. 511 P444A

40449 KUWADA, H., and YAMAMOTO, K. The germinating percentage of F_1 seeds, fertility and other characters of the specific hybrids between Abel [Abelomoschatus] esculentus and Abel. manihot. (In Japanese.) Jap. J. Breeding 2:106-108. Dec.1952. 64.8 J27
English summary.

40450 LAMPRECHT, H. Ein gen für truncata-samen bei Phaseolus. Agri Hortique Genet. 10:105-112. 1952. 64.8 Ag8
English summary.

40451 LAMPRECHT, H. Polymere gene und chromosomenstruktur bei Pisum. Agri Hortique Genet. 10: 158-168. Ref. 1952. 64.8 Ag8
English summary.

40452 LAMPRECHT, H. Weitere koppelungsgruppen von Phaseolus vulgaris. Agri Hortique Genet. 10:141-151. Ref. 1952. 64.8 Ag8
English summary.

40453 LARICHEVA, M. D. Study of fertility of seeds of rye occurring as a sport of wheat. (In Russian.) Agrobiologiia 6:110-111. Nov./Dec.1952. 20 Ag822

40454 LINDER, R. Une anomalie héréditaire de l'ovaire conduisant à la stérilité. Acad. des Sci. Compt. Rend. 236:851-853. Feb.23,1953. 505 P21
In Oenothera missouriensis.

40455 LINDER, R. L'incompatibilité dans Oenothera missouriensis Sims. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2: 189-213. Ref. Apr./June 1952. 14 F8499A

40456 MAHMUD, I., and PROBST, A. H. Inheritance of gray hilum color in soybeans. Agron. J. 45:59-61. Feb.1953. 4 Am34P

40457 MAMPORIIA, F. D. Vegetative hybridization of oranges. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 6:49-61. Nov./Dec.1952. 511 Sa2B

40458 MANUNTA, C. On the biochemical action of the genes which determine fruit color in cultivated strains of Lycopersicum esculentum and wild species of the genus. (In Italian.) Genet. Agr. 3:11-50. Ref. Nov. 30, 1951. 450 G28
English summary.

40459 MANUNTA, C. Recent physio-genetic research on some genes influencing pigmentation in the pulp of the genus Lycopersicum: in various species, strains, and their hybrids. (In Italian.) Genet. Agr. 3:93-120. Nov. 30,1951. 450 G28
English summary.

40460 MIKHAĬLOVA, L. V. In regard to the problem of species formation in plants. (In Russian.) Lab. Evolîutš. Ekol. Rast. im. B. A. Kellera. Trudy 3:212-227. Ref. 1952. 451 Ak13
Experiments with Brassica.

40461 MIKHAĬLOVA, L. V. On the importance of ecological conditions in the inheritance of characteristics in plants. (In Russian.) Lab. Evolîutš. Ekol. Rast. im. B. A. Kellera. Trudy 3:125-150. Ref. 1952. 451 Ak13
Study on cabbage.

40462 MOES, A. Induzierte mutationen der gerste. (Abs.) Versta. f. das Gärungsgewerbe. Mitt. 6:141. Nov./Dec.1952. 390.08 V67

40463 MOLDENHAWER, K., and others. Studies on seed generation of vegetative hybrids of Helianthus, carthamus and Xanthium. (In Polish.) Rocz. Nauk Roln. 60:119-130. 1952. 20.5 R59
J. Martynowska, H. Pawłowska and Z. Ruskowna, joint authors.
English summary.

40464 NAGAO, S., and TAKAHASHI, M. Genetical studies on rice plant. XV. (In Japanese.) Jap. J. Breeding 2:47-50. Ref. Oct.1952. 64.8 J27
English summary.

40465 NAMAZIE, J., and KOHLS, H. L. Attempts to induce parthenogenesis in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:377-381. Ref. 1952. 66.9 Am35

40466 NAZAROVA, M. Z. Grafting Solanum muricatum onto Cyphomandra betacea. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:117-119. 1952. 451 M854

40467 NEDESHEVA, G. N. Effect of low temperatures at the yarovization phase on heredity of [wheat] plants. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:72-81. Ref. 1952. 442.9 P44

40468 NEUMANN, D. Die blühverhältnisse und der frucht- und samenansatz beim ölkürbis (Cucurbita pepo L.) nach natürlicher und künstlicher bestäubung). Z. f. Pflanzenzucht. 31:513-544. Ref. Nov.1952. 450 Z36

40469 OKUNO, S. On the heritable male sterility occurred in potato (Solanum tuberosum L.). (In Japanese.) Jap. J. Genet. 27:107-110. Ref. Aug.1952. 442.9 J27
English summary.

40470 OWEN, F. V. Mendelian male sterility in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:371-376. Ref. 1952. 66.9 Am35

40471 PARTHASARATHY, N., and RAJAN, S. S. Studies on the fertility of autotetraploids of Brassica campestris var. toria. Euphytica 2:25-36. Ref. Feb. 1953. 450 Eu6

40472 PASTUSHENKO-STRELETS, N. A. Overcoming self-sterility of rye by intra-clonal crosspollination. (In Russian.) Agrobiologiia 6:111-115. Nov./Dec.1952. 20 Ag822

40473 PELTIER, M. Comportement des hybrides interspécifiques entre Oryza sativa L. et O. glaberrima Steud. Acad. des Sci. Compt. Rend. 236:846-847. Feb. 23,1953. 505 P21

40474 PETERSON, D. F. Inbred seed production in progeny classification for type O plants in open-pollinated varieties. Amer. Soc. Sugar Beet Technol. Proc. 7:351-353. 1952. 66.9 Am35

40475 RESENDE, F. Change of dominance with flower development. Portugaliae Acta Biol. Sér. A 3:287-289. 1952. 442.8 P83

40476 ROO, R. DE. A double sterile variant in tetraploid material of Lolium perenne. (In Dutch.) Gent. Landbhogesch. Meded. 17:554-563. Ref. Sept.1952. 105.1 G344
English summary.

40477 RUIZ SANTAELLA, J. Los cruzamientos múltiples como nuevos métodos de mejora en plantas de fecundación cruzada. Asoc. Nac. de Ingen. Agron. B. 3(32):9-10. Ref. Nov.1952. 58.9 As5

40478 RYSER, G. K., and SAVITSKY, V. F. Sugar percent in progenies derived from hybrids to monogerm sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:354-359. 1952. 66.9 Am35

40479 SAITO, K. Changes of external characters caused by the induction of chromosome doubling and the utility of polyploids in flower plants. (In Japanese.) Jap. J. Breeding 2:20-24. Oct.1952. 64.8 J27
English summary.

40480 SAMVIRKENDE LOLLAND-FALSTERSKE LANDBOFORENINGER. PLANTEAVLSUDVALGET. Planteavlen paa Lolland-Falster [Report on the plant breeding work at Lolland-Falster], 1951. Nykøbing,1952. 144 p. 11 Sa43
English summary.

40481 SAVITSKY, H. Selective fertilization studies and recovery of self-sterile from self-fertile races of monogerm sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:339-343. 1952. 66.9 Am35

40482 SAVITSKY, V. F. A genetic study of monogerm and multigerm characters in beets. Amer. Soc. Sugar Beet Technol. Proc. 7:331-338. Ref. 1952. 66.9 Am35

40483 SCHONIGER, G. Vorläufige mitteilung über das verhalten der testa- und farbgene bei verschiedenen kreuzungen innerhalb der kürbisart Cucurbita pepo L. Züchter 22(10/11):316-337. 1952. 442.8 Z8

40484 SCHWANITZ, F. Untersuchungen an polyploiden pflanzen: XIV. Steigerung der blütenproduktion durch polyploidie bei Malva silvestris L. ssp. mauritiana Thell. und bei Eschscholtzia californica Cham. Züchter 22(10/11):338-341. Ref. 1952. 442.8 Z8

40485 SEARS, E. R. Addition of the genome of Haynaldia villosa to Triticum aestivum. Amer. J. Bot. 40: 168-174. Ref. Mar.1953. 450 Am36

40486 SIMONET, M. Sur l'étude méiotique des hybrides Aegilops ventricosa avec des Triticum tétraploides et de leurs trihybrides Ae. ventricosa x T. durum et Ae. ventricosa x T. dicoccum avec Triticum vulgare. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:175-188. Ref. Apr./June 1952. 14 F8499A

40487 SINITSKAIA, D. A. Vegetative hybridization of Dahlias. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:294-308. Ref. 1952. 451 Ak15

40488 SMITH, G. S. Plant breeders' work is an inside job. N. Dak. Agr. Expt. Sta. Bimon. B. 15:99-100. Jan./Feb.1953. 100 N813B

40489 STEWART, D. Observations on F_2 and F_3 generations of the sugar beet hybrid, leaf spot resistant multigerm x monogerm SLC 101. Amer. Soc. Sugar Beet Technol. Proc. 7:364-370. 1952. 66.9 Am35

40490 STOLETOV, V. N., and GLONTI, E. I. Result of hybridization and selection of winter wheat plants which form shoots during spring sowing. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:62-71. 1952. 442.9 P44

40491 TRUKHINOVA, A. T. New data on changing Milturum 321 spring wheat into winter wheat. (In Russian) Akad. Nauk SSSR. Inst. Genet. Trudy 19:38-61. Ref. 1952 442.9 P44

40492 TURBIN, N. V. Dependency of plant fertility and viability of their seed progeny on the age of the reproductive organs. (In Russian.) Bot. Zhur. 37(6):764-772. Ref. Nov./Dec.1952. 451 R923
Vegetable breeding.

40493 TURBIN, N. V. On the biological role of supplementary pollination with foreign pollen. (In Russian.) Uspekhi Sovrem. Biol. 34:291-306. Ref. Sept./Oct.1952. 442.8 Er3

40494 TUSHNÍAKOVA, M. M. Grafting of Cruciferae. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:152-163. Ref. 1952. 442.9 P44
Study of effect of scion on stock.

40495 VOLOSKY Y., E. Herencia de caracteres adquiridos y posibilidad de transformar la naturaleza de las plantas. Simiente 22:183-188. Jan./June 1952. 9.3 Si4

40496 WIT, F. Breeding problems put forward at the Sixth International Grassland Congress. (In Dutch.) Euphytica 2:72-75. Feb.1953. 450 Eu6
English summary.

40497 WOODSON, R. E. Biometric evidence of natural selection in Asclepias tuberosa. Natl. Acad. Sci. Proc. 39:74-79. Feb.1953. 500 N21P

40498 ZHIDKO, E. P. Vegetative approach of hops and hemp. (In Russian.) Agrobiologiia 6:115-119. Nov./Dec.1952. 20 Ag822

PHYSIOLOGY

40499 ABADIA, A. Deficiencia inducida de hierro en frutales. An. de Edafología y Fisiol. Veg. 11:641-650. Nov./Dec.1952. 506 Sp12
English summary.

40500 AGARWALA, S. B. D. Effect of benzene hexachloride on growth of sugarcane. Cur. Sci. 22:19-20. Jan.1953. 475 Sci23

40501 AHMED, M. B., and TWYMAN, E. S. Manganese requirements of tomato plants at different phases of growth. Nature [London] 171:438-439. Mar.7,1953. 472 N21

40502 ALEKSANDROV, F. A. Role of accessory buds in rejuvenating apple trees damaged by frost. (In Russian.) Bot. Zhur. 37:691-694. Sept./Oct.1952. 451 R923

40503 ANDO, A. On the effects of fertilization on the nutrient contents in sugi (Cryptomeria japonica D. Don) yearling seedlings. (In Japanese.) Tokyo U. Forests. B. 43:91-100. Ref. June 1952. 99.9 T57
English summary.

40504 ARNOW, P., OLESON, J. J., and WILLIAMS, J. H. The effect of arginine on the nutrition of Chlorella vulgaris. Amer. J. Bot. 40:100-104. Ref. Mar.1953. 450 Am36

40505 AUBERT, P. L'eau, élément indispensable à la culture des arbres fruitiers. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:3-6. Jan.1953. 17 J82A

40506 AYERS, A. D. Germination and emergence of several varieties of barley in salinized soil cultures. Agron. J. 45:68-71. Feb.1953. 4 Am34P

40507 BAZAVLUK, V. Ü., and MEDVEDEVA, G. B. Effect of light regime on spike development in hybrids of soft and branching wheats. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:122-132. Ref. 1952. 442.9 P44

40508 BENSON, A. A. Mechanism of biochemical photosynthesis. Z. f Elektrochem. 56:848-854. 1952. 384 Z342

40509 BIEBEL, J. P. Hydroponic vegetable growing in Florida. Veg. Growers Assoc. Amer. Annu. Rpt. 44: 54-57. 1952. 81 V52

40510 BOHNING, R. H., KENDALL, W. A., and LINCK, A. J. Effect of temperature and sucrose on growth and translocation in tomato. Amer. J. Bot. 40:150-153. Mar.1953. 450 Am36

40511 BOMEKE, H. Gedanken über die glasigkeit bei äpfeln. Obstbauversring. des Alten Landes Mitt. 8:20-22. Jan.1953. 85 J76

40512 BONAZZI, A. Estudios sobre la fisiologia del tabaco. VI. La topografía del nitrogeno en la hoja del tabaco rubio y su importancia. Venezuela. U. Cent. Facul. de Ingen. Agron. Rev. 1:103-113. Ref. June 1952. 8.95 V555

40513 BOUILLENNE, R., and BOUILLENNE-WALRAND, M. Influence des impuretés contenues dans les hormones de synthèse (qualité technique) sur la croissance d'organismes végétaux inférieurs. Acad. Roy. de Belg. Cl. des Sci. B. (ser.5)38:787-815. Ref. 1952. 504 B83B

40514 BRANFIELD, W. Radio-active phosphorus. Mother Earth 7:57-58. Jan.1953. 56.8 M85
Plant physiology.

40515 BRESLAVETS, L. P. Effect of a high dose of X-rays on the prothallium of fern (Dryopteris spinulosum). (In Russian.) Akad. Nauk. SSSR. Dok. 87:143-146. Nov.1, 1952. 511 P444A

40516 BROCK, T. D. Nutrition of Morchella. Mycologia 45:145. Jan./Feb.1953. 450 M99

40517 BROUWER, W. Können wir uns der witterung anpassen? Deut. Landwirt.-Gesell. Mitt. 68:210-211. Feb.26,1953. 18 N39

40518 BROVTSYNA, V. L. Effect of irrigation on the phases of cell growth in spring wheat leaves. (In Russian.) In Akademiia Nauk. Institut Fiziologii Rastenii im. K. A. Timiriazeva. Oroshenie sel'skokhoziaistvennykh kul'tur, v.1,p.119-133. Ref. Moskva,1952. 55 Ak1

40519 BUCHY, A. Données analytiques sur la chlorophylle et ses derivés. Parfumerie Mod. 45(31): 56-62. Jan./Feb.1953. 308.8 P213

40520 BUNNING, E. Uber die ursachen der blühreife und blühperiodizität. Z. f. Bot. 40:293-306. Ref. 1952. 450 Z32

40521 CAROLI, G. The effect of some oxyquinoline derivatives on pea chromosomes. Agri Hortique Genet. 10:152-157. 1952. 64.8 Ag8

40522 CHARIAL, M. Accidents physiologiques affectant les espèces fruitières tempérées en climat tropical et subtropical. Méfaits hivers trop doux. Moyens de lutte. Fruits 8:22-26. Ref. Jan.1953. 80 F9492

40523 CHARLES, A. Uptake of dyes into cut leaves. Nature [London] 171:435-436. Mar.7,1953. 472 N21

40524 CHELIADINOVA, A. I., and NAUMOVA, A. N. Disease of waterparsnip [Sium] during the disturbance of symbiosis with the root microflora. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 18(11):29-33. Ref. 1952. 20 Ak1

40525 CHRISTOPHERSEN, J., and PRECHT, H. Untersuchungen über die bedeutung des wassergehaltes von hefezellen für temperaturanpassungen. Arch. f. Mikrobiol. 18:32-48. Ref. 1952. 442.8 Ar26

40526 CIFERRI, R. Mg-deficiency of Nebiolo grape in the Alba region. (In Italian.) Not. sulle Mal. delle Piante 21:36-39. Oct./Dec.1952. 464.8 N84
English summary on p. 72.

40527 COHEN, A. L. The effect of ammonia on morphogenesis in the Acrasieae. Natl. Acad. Sci. Proc. 39:68-74. Ref. Feb.1953. 500 N21P

40528 COMPAGNON, P., TIXIER, P., and BEAUFILS, B. Stimulation de la production de caoutchouc chez Hevea brasiliensis par injection des arbres. Cong. Internatl. de Biochim. Résumes des Commun. 2:316-317. 1952. 386.2 In84
Copper sulfate.

40529 COOPER, W. C., and SHULL, A. V. Salt tolerance of and accumulation of sodium and chloride ions in grapefruit on various rootstocks grown in a naturally saline soil. Rio Grande Val. Hort. Inst. Proc. 7:107-117. 1953. 81 L95

40530 COSENZIO, R. La luna no influye en la vida de las plantas. Soc. Argentina de Hort. B. 11(89):13-15. Jan./Mar.1953. 83 So1

40531 COURY, T. In regard to the question of mineral deficiencies in sisal and leaf base necrosis. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:387-398. Ref. 1951. 102.5 P66A

40532 COX, J. A. How growth and yield of Concord grapes are affected by DDT-bordeaux mixes. Agr. Chem. 8(3):37-39,151,153,155. Mar.1953. 381 Ag8

40533 CULOT, J. P. De l'influence du sodium comme substituant du potassium dans la croissance de Aspergillus niger. Inst. Agron. et Sta. de Rech. de Gembloux. B 20:141-145. 1952. 105.1 G285

40534 DARLINGTON, C. D. The cell and heredity under ionization. In Haddow, A., ed. Biological hazards of atomic energy, p.33-45. Ref. Oxford,Clarendon,1952. 444 H119
Trillium used as example.

40535 DAVID, R., and BLIECK, W. Action du 2,4-dichlorophénoxyacétate de sodium et du 2,4-dichlorophénoxyacétate d'alkylamines sur la cicatrisation des cares chez le pin maritime. Acad. des Sci. Compt. Rend. 236:837-839. Feb.23,1953. 505 P21

40536 DAVIS, J. F., and MCCALL, W. W. Occurrence of magnesium deficiency in celery on the organic soils of Michigan (a progress report). Mich. Agr. Expt. Sta. Q. B. 35:324-329. Feb.1953. 100 M58S

40537 DAVISON, R. M. Control of pre-harvest drop of Washington Navel oranges. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:306-312. Dec.1952. 514 N48A

40538 DEYSSON, M. Action de l'uracile sur les chromosomes du Vicia faba L. Acad. des Sci. Compt. Rend. 236:406-408. Jan.26,1953. 505 P21

40539 DICK, A. T. The effect of molybdenum and of lime dressings on the copper and molybdenum contents of some pasture species in the Murray Valley. Austral. J. Agr. Res. 4:52-56. Jan.1953. 23 Au783

40540 DOLGOSHOV, V. Ripening and dropping of fruit and seeds of tree species and shrubs. (In Russian.) Lesn. Khoz. 5(12):65-66. Dec.1952. 99.8 L5622

40541 DRAGAS, M., and AVRAMOV, L. The application of synthetic phytohormones in grafting of vines. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:157-167. Ref. 1952. 106.6 B41
English summary.

40542 DUCET, G., and ROSENBERG, A. J. Action du CO sur le métabolisme des feuilles à l'air et en anaérobiose au cours du développement. Cong. Internatl. de Biochim. Résumés des Commun. 2:317. 1952. 386.2 In84

40543 DUGGER, W. M., and MORELAND, D. E. An autoradiographic technique for detailed studies with plant tissue. Plant Physiol. 28:143-145. Jan.1953. 450 P692
Experiments with radioactive carbon dioxide.

40544 DUPERON, R. Influence de la vernalisation sur le métabolisme. Rev. Gén. de Bot. 59:580-631. (Cont.) Dec.1952. 450 R326

40545 DUPERON, R. Influence de la vernalisation sur le métabolisme. Rev. Gén. de Bot. 60:33-78. (Cont.) Jan.1953. 450 R326

40546 EASTWOOD, T. Hydroponics and food production. Foreign Agr. 17:55-58. Mar.1953. 1.9 Ec7For

40547 EATON, S. V. Effects of potassium deficiency on growth and metabolism of sunflower plants. Bot. Gaz. 114:165-180. Ref. Dec.1952. 450 B652

40548 EJSING, G. Molybdenum deficiency—a new deficiency disease. (In Danish.) Jydsk Landbr. 35:73-75. Jan.29,1953. 11 J99
Of field crops.

40549 ERKAMO, V. On plant-biological phenomena accompanying the present climatic change. Fennia 75:25-37. 1952. 511 H367

40550 EYSTER, H. C. Optimum chloride concentration for malt diastase activity as a function of temperature. Plant Physiol. 28:140-142. Ref. Jan.1953. 450 P692

40551 FAGNANI, G. Sensibility of fruit trees to the gaseous treatment under vacuum. (In Italian.) Not. sulle Mal. delle Piante 21:32-35. Oct./Dec.1952. 464.8 N84
English summary on p. 71.

40552 FERGUSON, T. P., and BOND, G. Observations on the formation and function of the root nodules of Alnus glutinosa (L.) Gaertn. Ann. Bot. (n.s.)17:175-188. Ref. 1953. 450 An7

40553 FREUDENBERG, K. Lignin and its formation in plant tissue. (Abs.) Vortex 14:74,76. Feb.1953. 381 V91

40554 FROMM, F., and O'DONNELL, M. L. The influence of P-aminobenzoic acid on the growth of duckweed [Lemna minor]. Pa. Acad. Sci. Proc. 24:50-53. Ref. 1952. 500 P383

40555 GADZHIEV, A. SH. Salt tolerance of ornamental plants in Apsheron. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:15-19. 1952. 451 M854

40556 GARBER, K. Erhöhen impf- und wirkstoffe die erträge? Deut. Landwirt. Presse 76:31. Feb.7,1953. 18 D482
In plants.

40557 GARCIA A., A. Contribución a las investigaciones sobre variedades autoesteriles y autofertiles en el olivo. (Sum.) Simiente 22:19. Jan./June 1952. 9.3 Si4

40558 GARESE, P., and SARASOLA, A. A. Albinismo en cereales por tratamiento de la semilla con estreptomicina. Phyton [Buenos Aires] 2:87-97. Ref. Dec.1952. 450 P567
English summary.

40559 GARRETT, S. D. Rhizomorph behaviour in Armillaria mellea (Vahl) Quél. I. Ann. Bot. (n.s.)17:63-79. Ref. 1953. 450 An7

40560 GASKILL, J. O. Induction of reproductive development in sugar beets by photothermal treatment of young seedlings. Amer. Soc. Sugar Beet Technol. 7:112-120. 1952. 66.9 Am35

40561 GAUTHERET, R. J. La culture des tissus végétaux. 2. Nature [Paris] 3213:22-26. Jan.1953. 473 N21

40562 GAUTHERET, R. J. La culture des tissus végetaux.3. Nature [Paris] 3214:53-57. Feb.1953. 473 N21

40563 GAUTHERET, R. J. Recherches sur l'action combinée de l'hydrazide maléique et de l'acide indoleacétique sur les cultures de tissus de topinambour. Acad. des Sci. Compt. Rend. 234:2218-2221. May 26,1952. 505 P21

40564 GEL'TSER, F. IU. Importance of active mycorhiza in oak nutrition. (In Russian.) Les i Step' 4(11): 26-32. Nov.1952. 99.8 L565

40565 GENKEL', F. A. Starch test as one of the methods of determining drought resistance of plants. (In Russian.) Akad. Nauk SSSR. Dok. 86:1049-1052. Ref. Oct.11,1952. 511 P444A
Experiments with sunflowers.

40566 GERHARDT, F., and SAINSBURY, G. F. Soft scald and its control in Delicious apples. Wash. State Hort. Assoc. Proc. 48:97-100. 1952. 81 W273

40567 GERRETSEN, F. C. Extra-cellular photosynthetic reactions in entire leaf macerates. Nature [London] 171:207-208. Jan.31,1953. 472 N21

40568 GESLIN, H., and VERNET, A. Maturation du blé et climat. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:253-256. Apr./June 1952. 14 8499A

40569 GILMOUR, H. S. A., LUMRY, R., and SPIKES, J. D. Electrode reactions of isolated chloroplast fragments. Plant Physiol. 28:89-98. Ref. Jan.1953. 450 P692

40570 GLAMAZDIN, A. A. Germination of black locust [Robinia pseudoacacia] seeds. (In Russian.) Les i Step' 4(10):80-81. Oct.1952. 99.8 L565

40571 GLUSHCHENKO, I. E., and DROBKOV, A. A. Admission and distribution of radioactive substances [phosphorus] in grafted plants and their effect on the development of tomatoes. (In Russian.) Akad. Nauk SSSR. Izv. Ser. Biol. 6:62-66. Nov./Dec.1952. 511 Sa2B

40572 GOO, M., and NEGISI, K. Changes of reserve foods in seeds of kuromatu (Pinus thunbergii Parl.) during the course of germination. Tokyo U. Forests. B. 43: 83-89. June 1952. 99.9 T57

40573 GRAMMATIKATI, O. G. Physiological basis for spring wheat watering regime under conditions of the Central-Chernozem Area. (In Russian.) In Akademiia Nauk. Institut Fiziologii Rastenii im. K. A. Timiriazeva. Oroshenie sel'skokhoziaistvennykh kul'tur, v.1,p.160-173. Ref. Moskva,1952. 55 Ak1

40574 GRANICK, S. Chlorophyll and photosynthesis. Chem. & Engin. News 31:748-751. Feb.23,1953. 381 J825N

40575 HAAS, P. G. DE., and SCHANDER, H. Keimungsphysiologische studien an kernobst. I. Z. f. Pflanzenzucht. 31:457-512. Ref. Nov.1952. 450 Z36

40576 HACKETT, D. P., and THIMANN, K. V. The nature of the auxin-induced water uptake by potato tissue. II. The relation between respiration and water absorption. Amer. J. Bot. 40:182-188. Ref. Mar.1953. 450 Am36

40577 HESSELTINE, C. W., and others. Coprogen, a new growth factor present in dung, required by Pilobolus species. Mycologia 45:7-19. Ref. Jan./Feb.1953. 450 M99
A. R. Whitehill, C. Pidacks, M. Ten Hagen, N. Bohonos, B. L. Hutchings, and J. H. Williams, joint authors.

40578 HILL, K. W. Effect of nitrogen supply on the sucrose percentage of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:201-206. 1952. 66.9 Am35

40579 HINO, I. Sex in Arisaema ringens Schott, with special reference to the size of corms. (In Japanese) J. Jap. Bot. 28:28. Jan.1953. 450 J8223

40580 HINSVARK, O. N., WITTWER, S. H., and TUKEY, H. B. The metabolism of foliar-applied urea. I. Relative rates of $C^{14}O_2$ production by certain vegetable plants treated with labeled urea. Plant Physiol. 28:70-76. Jan.1953. 450 P692

40581 HIRANO, J. Some observations on the cluster-forming character of Staphylococcus [S. aureus]. Bot. Mag. 65:3-9. Jan./Feb.1952. 450 B651

40582 HODGSON, J. M. The effect of 2,4-D on four forage grasses. Oreg. Seed Growers League Proc. 11: 49-50. 1952. 61.9 Or3
Alta fescue, Standard crested wheatgrass, Orchard grass, and Manchar smooth brome.

40583 HOSOKAWA, S., SAWAI, I., and SHICHIJI, M. Physiological comparison of the diploid and tetraploid sugar beet on the early stage characters shown by water culture. (In Japanese.) Jap. J. Breeding 2:75-80. Ref. Dec.1952. 64.8 J27
English summary.

40584 HUGHES, T. J. Copper accumulations are toxic to plant growth; chelated iron is found to bring back green to foliage of citrus trees which have been attacked by chlorosis. Fla. Grower 61(2):17,29. Feb. 1953. 80 F6622

40585 HUNTER, J. H., and HAMMAR, H. E. Influence of cultivation, mulching, and fertilizers on chemical composition of pecan leaves and their relation to yield and quality of nuts. Soil Sci. Soc. Amer. Proc. 16:346-349. Oct.1952. 56.9 So3

40586 HUSTICH, I. Agricultural production in Finland and the recent climatic fluctuation. Fennia 75:97-105. 1952. 511 H367

40587 HUSTICH, I. The recent climatic fluctuation in Finland and its consequences: a symposium. Fennia 75,128 p. 1952. 511 H367
Includes bibliography, by V. Erkamo, p. 118-128.

40588 IBAÑEZ MARCO, D., and JORDI GONZALEZ, R. Influencia de las fito-hormonas en el desarrollo de los vegetales. Inst. Agr. Catalán de San Isidro. Rev. 101:229-232,287-294. Oct./Dec.1952. 15 Sa5

40589 IBANEZ MARCO, D., and JORDI GONZALEZ, R. Influencia de las fito-hormonas en el desarrollo de los vegetales. Inst. Agr. Catalán de San Isidro. Rev. 102: 1-5. (Cont.) Jan.1953. 15 Sa5

40590 IL'INA, A. I. Some data on early developmental phases of blossoms in oil crops. (In Russian.) Agrobiologiia 6:119-122. Nov./Dec.1952. 20 Ag822

40591 ILJIN, W. S. Influencia de la sequía sobre algunos de los procesos fisiológicos de las plantas. Venezuela. U. Cent. Facul. de Ingen. Agron. Rev. 1: 5-67. Ref. June 1952. 9.95 V555

40592 ISHIBASHI, H. On the silica content of "Akiochi" rice plants. (In Japanese.) Kyushu Noji Shikenjo 10: 85-86. Sept.1952. 107.6 K996

40593 ISIKAWA, S. On the light-sensitivity of tobacco seeds. I. (In Japanese.) Bot. Mag. 65:257-262. Ref. Sept./Oct.1952. 450 B651
English summary.

40594 IVANOV, S. M. In regard to the interaction of leaves and roots in perennial plants. (In Russian.) Akad. Nauk SSSR. Dok. 88:567-570. Ref. Jan.21,1953. 511 P444A

40595 IVANOVIĆ, M. L'influence des hormones végétaux sur la formation des racines des arbres forestiers et des arbres et arbustes ornementaux. (In Serbo-Croatian.) Šumarstvo 5:221-224. May/June 1952. 99.8 Su63
French summary.

40596 IVANOVSKAÏA, T. L. Effect of 2,4-dichlorophenoxyacetic acid on tomatoes. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:133-151. Ref. 1952. 442.9 P44

40597 IWADE, I., FUKUZUMI, T., and YANAGAWA, R. Studies on antaganism of "Shiitake," Cortinellus edodes (Berk.) Sawada against wood-rotting fungi. (In Japanese.) Tokyo U. Forests. B. 43:111-126. June 1952.
English summary.

40598 IWANAMI, Y. Physiological researches of pollen. (In Japanese.) Bot. Mag. 65:137-144,199. (Cont.) Ref. May/June-July/Aug.1952. 450 B651
Esperanto summary.

40599 JACQUIOT, C. Observations sur l'histogênèse et la lignification dans les cultures in vitro de tissu cambial de certains arbres forestiers. Influence de quelques hydrazides sur ces phénomènes. Acad. des Sci. Compt. Rend. 236:960-961. Mar.2,1952. 505 P21

40600 JEWITT, T. N. Seasonal variations in the composition of young cotton leaves in the Sudan Gezira. J. Agr. Sci. 43:89-91. Ref. Jan.1953. 10 J822

40601 JONES, L. H. Frenching of ragweed (Ambrosia artemisiifolia L.). Plant Physiol. 28:123-126. Jan. 1953. 450 P692

40602 JONES, W. W., and CREE, C. B. Leaf potassium vs. fruit size in Valencia oranges. Calif. Citrog. 38:174-176. Mar.1953. 80 C125

40603 KAINDL, K. Versuch einer biophysikalischen deutung des pflanzenwachstums. Biochim. et Biophys. Acta 10:241-255. Ref. Feb.1953. 381 B522

40604 KALINKEVICH, M. I. Effect of forms of nitrogen nutrition on the respiratory processes in plants. (In Russian.) Akad. Nauk SSSR. Dok. 88:349-351. Ref. Jan.11,1953. 511 P444A

40605 KALYANASUNDARAM, R. Ascorbic acid and Fusarium wilted plants. Indian Acad. Sci. Proc. Sect. B 36:102-104. Ref. Sept.1952. 513 In25B

40606 KAN, M., and OSHIMA, T. Influence of limitation of sunshine upon the soybean, and its varietal adaptability. (In Japanese.) Kyushu Noji Shikenjo 10:177. Sept.1952. 107.6 K996

40607 KAWASIMA, T., HIRAKATA, Y., and FUJINAMI, A. On the characteristics of the "Akiochi" paddy soil and the absorption of mineral elements by rice plant. (In Japanese.) Kyushu Noji Shikenjo 10:79-81. Sept.1952. 107.6 K996

40608 KELLER, B. A. Osmotic pressure and water content in the assimilating organs of plants as a way of explaining and evaluating their ecologo-physiological and ecologo-morphological characteristics. (In Russian.) Lab. Evoliuts. Ekol. Rast. im. B. A. Kellera. Trudy 3: 171-212. Ref. 1952. 451 Ak13

40609 KELLEY, R. A., ADAMS, J. B., and BAIRD, P. H. Potato foliage development. Amer. Potato J. 30:29-34. Ref. Feb.1953. 75.8 P842

40610 KENNEDY, J. M. B. Aspects of growth promotion. 1. Chemical control of growth. Chem. & Drug. 159:167-168. Feb.14,1953. 396.8 C42
Effects on plants.

40611 KILLIAN, C. Contribution à l'étude de la biologie de quelques Utricularia tropicaux. Inst. Franç. d'Afrique Noire. B. 15:72-82. Ref. Jan.1953. 515 D14

40612 KIMURA, K. On the sex of some wood-destroying fungi. (In Japanese.) Bot. Mag. 65:145-148. May/June 1952. 450 B651

40613 KIMURA, K. On the sexual strains of Coprinus macrorhizus Rea f. microsporus Hongô. (In Japanese.) Bot. Mag. 65:232-235. Sept./Oct.1952. 450 B651
English summary.

40614 KIND, W. Künstliche beleuchtung fördert das pflanzenwachstum. Tech. f.Bauern u. Gärt Ausg. G 5:9-11. Jan.10,1953. 58.8 T223G

40615 KLEINER, P. Wasserkultur für mutterpflanzen des warmhauses. Schweiz. Gärtztg. 56(3):2-3. Jan.22, 1953. 80 G1939

40616 KLESHNIN, A. F Growing plants under artificial lighting. (In Russian.) Priroda 41(10):99-105. Oct.1952. 410 P933

40617 KLING, E. G., and KRASNOVA, N. S. Preplanting treatment of Gladiolus bulbs. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:32-36. 1952. 451 M854
Effect of manganese on germination.

40618 KLIUSHNIK, P. I. On fungi forming the oak mycorhiza. (In Russian.) Lesn. Khoz. 5(8):63-65. Aug. 1952. 99.8 L5622

40619 KMOCH, H. G. Uber den umfang und einige gesetzmässigkeiten der wurzelmassenbildung unter grasnarben. Z. f. Acker- u. Pflanzenbau 95:363-380. Ref. Nov.1952. 18 J825

40620 KOFFLER, H., and BLUMENTHAL, H. J. The influence of substrates on the endogenous metabolism of Penicillium chrysogenum. Cong. Internatl. de Biochim. Résumés des Commun. 2:86-87. 1952. 386.2 In84

40621 KONOVALOV, I. N. Adaptable change in the growth rhythm of mulberry [Morus alba] and Catalpa [ovata] during acclimatization. (In Russian.) Akad. Nauk SSSR. Dok. 88:157-160. Ref. Jan.1,1953. 511 P444A

40622 KONZAK, C. F. Brookhaven National Laboratory. Natl. Oat Newslet. 3:61. Feb.1,1953. 59.9 N217
Radiation in cereal research.

40623 KOPERZHINSKIĬ, V. V. Utilization of 2, 4-D for increasing the yields of alfalfa and sainfoin seeds. (In Russian.) Akad. Nauk SSSR. Dok. 88:353-356. Ref. Jan.11,1953. 511 P444A

40624 KORIC, M. Vernalization in the light of contemporary science and practice. (In Serbo-Croatian.) Biljna Proizvodnja 5:193-200. Sept./Oct.1952. 64.8 B49

40625 KORITZ, H. G., and WENT, F. W. The physiological action of smog on plants. I. Initial growth and transpiration studies. Plant Physiol. 28:50-62. Jan. 1953. 450 P692

40626 KORNILOV, A. A. Prime task of plant physiology. (In Russian.) Selek. i Semen. 19(11):22-24. Nov. 1952. 61.9 Se5

40627 KREIBOHM DE LA VEGA, G. A. Aplicación de hormonas en la caña de azúcar. Indus. Azucarera 58(711):4-11. (Concl.) Jan.1953. 65.8 In22

40628 KUCHERÍAVYKH, E. G. On root systems of tree and shrub species under cultivation. (In Russian.) Les i Step' 4(10):14-18. Oct.1952. 99.8 L565

40629 KUDZIN, FÛ. K., and KARA, FÛ. M. Importance of minor elements in the initial period of growth and development of wheat. (In Russian.) Sovet. Agron. 10(12): 85. Dec.1952. 20 So84

40630 KUNIYA, Y. The re-examination and the limit of applicability of the compensation method to the measurement of sap streaming in plants. Bot. Mag. 65:93-101. May/June 1952. 450 B651

40631 KUPORITSKAÍA, K. I. Necrosis of grape seedlings. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2): 48-51. Feb.1953. 95.8 V77
Control by boron.

40632 KURSANOV, A. L. Movement of organic matter in plants. (In Russian.) Bot. Zhur. 37:585-593. Sept./Oct.1952. 451 R923
Sucrose in plant metabolism.

40633 KUWADA, H. Studies on the differences of physiological and ecological characteristics of the artificially raised amphidiploid in comparison with those of the parents. IX. On the relation between the germination of seeds and the tissue of seed coat. (In Japanese.) Jap. J. Breeding 2:42-46. Oct.1952. 64.8 J27
English summary.

40634 LAGOS U, J. A. Meteorognosia: el pochote [Bombax ellipticum]. Agr. Costarricense 11:20-21. Jan. 1953. 8 Ag895

40635 LAMBERTS, H. A new type with a rapid youth growth in yellow lupins (Lupinus luteus). Euphytica 2: 59-61. Feb.1953. 450 Eu6

40636 LEONT'EVA, FÛ. A., and GERASIMOV, B. S. Application of herbicide 2,4-D to grapevines. (In Russian.) Vinodel. i Vinograd. SSSR. 11:37-40. Nov.1952. 95.8 V77
Includes effect on the vine.

40637 LIORET, C. Action de l'acide α-naphtalène-acétique sur le métabolisme des tissus de racines de scorsonère, cultivés in vitro. II. Acad. des Sci. Compt. Rend. 236:506-508. Feb.2,1953. 505 P21

40638 LÍÛBICH, F. P. Biological cycles in the growth and development of oak under semiarid conditions. (In Russian.) Lesn. Khoz. 5(12):11-13. Dec.1952. 99.8 L5622

40639 LOCHOW, J. VON. Versuche über auswuchsfestigkeit von weizen. Agri Hortique Genet. 10:113-140. Ref. 1952. 64.8 Ag8
English summary.

40640 LOEFER, J. B., and WEICHLEIN, R. G. Growth response of certain fungi to polymyxin and neomycin. Tex. J. Sci. 4:541-544. Ref. Dec.30,1952. 470 T31

40641 LOKHMATOV, N. A. On dormant buds in oak. (In Russian.) Lesn. Khoz. 5(10):57-59. Oct.1952. 99.8 L5622

40642 LONGCHAMP, R., ROY, M., and GAUTHERET, R. Action de quelques hétéro-auxines sur la morphogénèse des céréales. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2: 305-327. Ref. Apr./June 1952. 14 F8499A

40643 LONGCHAMP, R., ROY, M., and GAUTHERET, R. J. Recherches sur l'action du 2-4 D et du M. C. P. A. sur Chrysanthemum segetum L. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:329-335. Apr./June 1952. 14 F8499A

40644 LOZA, J. Action des ultrasons sur la germination des grains de riz, de soja, de pois et de radis. Cong. Internatl. de Biochim. des Commun. 2:453-454. 1952. 386.2 In84

40645 LUCHNIK, Z. I. On the cold resistance of summer oak in Altai. (In Russian.) Lesn. Khoz. 5(11):74-77. Nov.1952. 99.8 L5622

40646 MCCOY, T. A., SUBLETT, T. H., and DOBBS, V. W. The relation of the amino acid composition to the development of oats. Plant Physiol. 28:77-88. Ref. Jan.1953. 450 P692

40647 MACFARLANE, E. W., SCHMOCK, N. G., and MESSING, A. M. Antagonism of mercurial poisoning in growing cells investigated with onion root tips. Soc. Expt. Biol. & Med. Proc. 82:115-118. Ref. Jan.1953. 442.9 So1

40648 MACHLIS, L. Growth and nutrition of water molds in the subgenus Euallomyces. I. Growth factor requirements. Amer. J. Bot. 40:189-195. Ref. Mar.1953. 450 Am36

40649 MCMURTREY, J. E., and ENGLE, H. B. Effect of stable boron isotopes on growth of tobacco in solution cultures. Plant Physiol. 28:127-130. Jan.1953. 450 P692

40650 MAKAROV-KOZHUKHOV, L. N. Nutrition area of grapevines. (In Russian.) Vinodel. i Vinograd. SSSR. 12:34-37. Dec.1952. 95.8 V77
A physiological study.

40651 MARCELLIN, P. Mesure du volume des espaces intercellulaires communiquant avec l'atmosphère ambiante. Application aux fruits. Acad. des Sci. Compt. Rend. 236:509-510. Feb.2,1953. 505 P21

40652 MARIANI, C. Potassium and some of its physiological functions. (In Italian.) B. dell'Agr. 87(4):1-2. Jan.23,1953. 16 B87
In plant and animal physiology.

40653 MARIMPIETRI, L. Modern views on the prime product of chlorophyll photosynthesis. (In Italian.) Humus 9:5-7. Jan.1953. 16 H88

40654 MARTINO, C. Autosterility in fruit trees with particular reference to the olive. (In Italian.) Salento Agr. 4:2,8. Jan.1953. 281.8 Sa3

40655 MATSUO, H., TAKAKI, M., and IDA, K. The analysis of some factors on Akiochi-phenomena of paddy rice in the Nishisonoki Peninsula. I. On their ecological classification. (In Japanese.) Kyushu Noji Shikenjo 10: 82-84. Sept.1952. 107.6 K996

40656 MATSUO, H., and IDA, K. Effects of potassium on sweet potatoes. V. (In Japanese.) Kyushu Noji Shikenjo 10:95-96. Sept.1952. 107.6 K996

40657 MATUKHIN, G. R. Influence of soil salinity upon the growth of oak seedlings. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:19-23. 1952. 451 M854

40658 MAUMERT, F. A. A. De la vitalité du Taraxacum duplidens ou pissenlit scandinave. Acad. des Sci. Compt. Rend. 234:2223-2224. May 26,1952. 505 P21

40659 MEDVEDEVA, G. B., and BAZAVLUK, V. FÛ. In regard to the biology of blooming branching wheat. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:110-121. Ref. 1952. 442.9 P44

40660 MIDDLETON, J. T., and others. Adaxial crack stem of celery. Phytopathology 42:603-606. Ref. Nov.1952. 464.8 P56
B. J. Hall, R. T. Wedding, and J. B. Kendrick, joint authors.
Induced by boron deficiency.

40661 MIKOLA, P. The effect of recent climatic variations on forest growth in Finland. Fennia 75:69-76. 1952. 511 H367
Discussion by Y. Ilvessalo, E. K. Kalela, and V. Kujala, p. 106-110.

40662 MILLER, J. J., WEBB, N. S., and REID, J. Some experiments on the stimulation of sporulation in Trichoderma lignorum by radiation. (Abs.) Canad. Phytopath. Soc. Proc. 20:19-20. 1952,pub.1953. 464.9 C162

40663 MINAGAWA, T., and others. On the adaptation of yeast to copper. III. Bot. Mag. 65:228-231. Sept./Oct. 1952. 450 B651
N. Yanagishima, Y. Arakatsu, S. Nagasaki, and J. Ashida, joint authors.

40664 MITCHELL, W. La constitution et les emplois de la chlorophylle. Parfumerie Mod. 45(31):40-55. Ref. Jan./Feb.1953. 308.8 P213

40665 MITSUI, T. Configuration of new plant-hormones. (Studies on the plant-hormones. 8). (In Japanese.) Agr. Chem. Soc. Japan. J. 25:526-527. 1952. 385 Ag8
English summary.

40666 MOKIN, N. N. Pre-planting enrichment of seeds—a method of increasing the productivity of spring crops. (In Russian.) Dostizheniía Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:37-40. Jan.1953. 20 D742
Effect of a solution of malt flour on grain seed.

40667 MONOD, J., and COHEN-BAZIRE, G. L'effet d'inhibition spécifique dans la biosynthèse de la tryptophane-desmase chez. Aerobacter aerogenes. Acad. des Sci. Compt. Rend. 236:530-532. Feb.2,1953. 505 P21

40668 MORELLO, J. Cuánta agua transpiran las plantas? Cien. e Invest. 9:51-60. Ref. Feb.1953. 475 C482

40669 MOSOLOV, I. V., and PANOVA, A. V. Effect of stem leaves of wheat on yields and protein content of kernels in relation to variety. (In Russian.) Akad. Nauk SSSR. Dok. 88:161-163. Jan.1,1953. 511 P444A

40670 MOYSE, A. Les chlorophylles, leur rôle dans la physiologie des plantes. Parfumerie Mod. 45(31): 33-39. Jan./Feb.1953. 308.8 P213

40671 MURAKAMI, K. Study on the physiology of artificial polyploids. II. Change in contents of water and total nitrogen in different organs of tetraploid buck-wheat. (In Japanese.) Jap. J. Breeding 2:103-105. Dec.1952. 64.8 J27
English summary.

40672 NAGAI, S. On the effect of stomata in the transpiration of sweet potato leaf. (In Japanese.) Bot. Mag. 65:186-191. July/Aug.1952. 450 B651
English summary.

40673 NAKAI, I. Effects of the various kinds of soil addition for "Akiochi" of rice plant. (In Japanese.) Kyushu Noji Shikenjo 10:76-78. Sept.1952. 107.6 K996

40674 NAKAJIMA, T. A root-growth-inhibitor found in Cucurbita [C. moschata] endosperm. (In Japanese.) Jap. J. Breeding 2:97-102. Ref. Dec.1952. 64.8 J27
English summary.

40675 NAPP-ZINN, K. Die vernalisation, ein problem der entwicklungsphysiologie der pflanzen. Kosmos 49: 65-68. Feb.1953. 474 K842

40676 NASON, A., KAPLAN, N. O., and OLDEWURTEL, H. A. Further studies of nutritional conditions affecting enzymatic constitution in Neurospora. J. Biol. Chem. 201:435-444. Mar.1953. 381 J824

40677 NATANSON, N. E. Effect of some minor elements on the viscosity of plant plasma. (In Russian.) Akad. Nauk SSSR. Dok. 87:1067-1070. Ref. Dec.21,1952. 511 P444A
Experiments with flax, onions and wheat.

40678 NELSON, R. T., and DEMING, G. W. Effect of bolters on yield and sucrose content of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:441-444. 1952. 66.9 Am35

40679 NETIEN, G., and LACHARME, J. Action sur la croissance des plantules de quelques hydroxy-4-coumarines substituées. Cong. Internatl. de Biochim. Resumés des Commun. 2:318. 1952. 386.2 In84

40680 NEWTON, W., and LOPATECKI, L. E. The nutrition of Phytophthora spp. (Abs.) Canad. Phytopath. Soc. Proc. 20:20: 1952,pub.1953. 464.9 C162

40681 NICOLAI, G. Sind mykorrhizapilze in der Orchideenzucht heute noch nötig? Z. f. Pilzk. 13:21-22. Feb.1953. 450 Z352

40682 NIELSEN, N. The influence of different carbohydrates on growth, respiration and penicillin formation of Penicillium chrysogenum. Cong. Internatl. de Biochim. Résumés des Commun. 2:109-110. 1952. 386.2 In84

40683 NODA, K., KUMAMOTO, T., and UENO, Y. Role of seed-food to the early growth of wheat and barley. (In Japanese.) Kyushu Noji Shikenjo 10:38-40. Sept.1952. 107.6 K996

40684 NUTMAN, P. S. Studies on the physiology of nodule formation. IV. Ann. Bot. (n.s.)17:95-126. Ref. 1953. 450 An7

40685 OCHI, H. The preliminary report on the osmotic value, permeability, drought and cold resistance of mosses. Bot. Mag. 65:10-12. Jan./Feb.1952. 450 B651

40686 PALHINHA, R. T. About the flowering of Aporocactus flagelliformis (Miller) Lem. Portugaliae Acta Biol. Sér. A 3:275-280. 1952. 442.8 P83

40687 PARKER, J. Desiccation in conifer leaves: anatomical changes and determination of the lethal level. Bot. Gaz. 114:189-198. Ref. Dec.1952. 450 B652
Pinus strobus and Pinus nigra var. austriaca.

40688 PAYNE, M. G., and others. Protein content and specific gravity of Red McClure Potatoes increased by 2,4-D treatment. Amer. Potato J. 30:46-49. Ref. Feb.1953. 75.8 P842
J. L. Fults, R. J. Hay, and C. H. Livingston, joint authors.

40689 PEARSON, J. A., and ROBERTSON, R. N. The climacteric rise in respiration of fruit. Austrl. J. Sci. 15:99-100. Dec.1952. 475 Au72

40690 PERELLO BARCELO, J. M., ABAD MANRIQUE, J. B., and LUNA MORENO, C. Phénomènes de carence chez les racines de belladona in vitro. Cong. Internatl. de Biochim. Résumés des Commun. 2:146. 1952. 386.2 In84

40691 PETINOV, N. S., BROVTSYNA, V. L., and PRUSAKOVA, L. D. Formation of the embryonic spring wheat spike under varied conditions of water supply and nutrition. (In Russian.) In Akademiia Nauk. Institut Fiziologii Rastenii im. K. A. Timiriazeva. Oroshenie sel'skokhoziaistvennykh kul'tur, v.1,p.104-118. Ref. Moskva,1952. 55 Ak1

40692 PETO, F. H. Effect of frost on sugar content in beets. Amer. Soc. Sugar Beet Technol. Proc. 7:108-111. 1952. 66.9 Am35

40693 PETO, F. H., SMITH, W. G., and LOW, F. R. Effects of preharvest sprays of maleic hydrazide on sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7: 101-107. 1952. 66.9 Am35

40694 PHOUPHAS, C. Action de l'hydrazide maléique sur la teneur en substances glucidiques des tissus de topinambour cultivés in vitro. Cong. Internatl. de Biochim. Résumés des Commun. 2:316-320. 1952. 386.2 In84

40695 PIACCO, R. Electric treatments and their influence on seeds. (In Italian.) Riso 2:10-11. Jan.1953. 59.8 R49

40696 PIDOTTI, O. A. Influence of length of storage upon germination of perennial grass seeds. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:361-367. 1952. 451 Ak15

40697 POHL, R. Die kressewurzel als testobjekt für wuchs- und hemmstoffe. Z. f. Bot. 40:307-316. Ref. 1952. 450 Z32

40698 POLIAKOV, P. P. Biology of water plants on the steppes of Kazakhstan. (In Russian.) Bot. Zhur. 37: 678-682. Ref. Sept./Oct.1952. 451 R923

40699 POPTSEV, A. V. Importance of pellet in germination of seeds. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:55-59. Ref. 1952. 451 M854

40700 PURVIS, E. R. Molybdenum deficiency observed in alfalfa, citrus, and lettuce. What's New Crops & Soils 5(6):24. Mar.1953. 6 W55

40701 RAMSFJELL, T. Mangelsjukdommer på kulturvekster [Deficiency diseases of crops]. Norway. Stat. Plantevern. Flygeskr. 43,8 p. Oct.1952. 86 N83F

40702 RAMSFJELL, T. Symptoms of and measures against deficiency diseases of garden plants. (In Norwegian.) Kolonihagen 23:12-13. Feb.1953. 80 K83

40703 RASMUSSEN, L. W., and WOLFE, H. H. Weed killers are plant killers! Wash. State Col. Ext. C. 221,4 p.-folder. Feb.1953. 275.29 W27C

40704 RATNER, E. I. Physiological analysis of the salt effect on halophytes and glycophytes. (In Russian.) Akad. Nauk SSSR. Dok. 88:357-360. Ref. Jan.11,1953. 511 P444A
Experiments with Suaeda corniculata and sugar beets.

40705 REMY, P. Le role du tégument des graines d'arbres fruitiers dans leur germination (genre Prunus). France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:347-349. Apr./June 1952. 14 F8499A

40706 RESENDE, F. "Long-short" day plants. Portugaliae Acta Biol. Sér. A 3:318-321. 1952. 442.8 P83

40707 RICARD, J. Action de la croissance residuelle sur les distributions de fréquences des tailles des plantules d'une population de blé. Rev. Gén. de Bot. 60: 5-14. Ref. Jan.1953. 450 R326

40708 RIRIE, D., MIKKELSEN, D. S., and BASKETT, R. S. The effects of maleic hydrazide and 2,4-D on sugar beet growth and sugar content in certain field experiments. Amer. Soc. Sugar Beet Technol. Proc. 7:86-89. 1952. 66.9 Am35

40709 RUBY, E. S., and YOUNG, V. A. The influence of intensity and frequency of clipping on the root system of brownseed Paspalum. J. Range Mangt. 6:94-99. Mar.1953. 60.18 J82

40710 RUFFALDI, G. B. Recent inquiries into the biology of wheat. (In Italian.) Humus 9:14-16. Jan.1953. 16 H88

40711 RUSSELL, R. S., and MARTIN, R. P. Biological effects of radioactive isotopes in plant physiological studies. In Haddow, A., ed. Biological hazards of atomic energy, p.19-32. Ref. Oxford,Clarendon,1952. 444 H119

40712 SAFFIE D., Z. Efectos del 2, 4-5-T, aplicado en duraznos para obtener un anticipo en la maduración. (Sum.) Simiente 22:27. Jan./June 1952. 9.3 Si4

40713 SAFFIE D., Z. Efectos del 2, 4-5-T, aplicado en manzanos para obtener mejor coloración. (Sum.) Simiente 22:27. Jan./June 1952. 9.3 Si4

40714 SALLANS, B. J., and SIMMONDS, P. M. Piebald or yellowberry in hard spring wheat. (Abs.) Canad. Phytopath. Soc. Proc. 20:22. 1952,pub.1953. 464.9 C162

40715 SATOO, S. Origin and development of adventitious roots in seedling cuttings of conifers. 1. (In Japanese.) Tokyo U. Forests. B. 43:59-81. Ref. June 1952. 99.9 T57
English summary.

40716 SAVITSKY, H. Polyploid sugar beets—cytological study and methods of production. Amer. Soc. Sugar Beet Technol. Proc. 7:470-476. 1952. 66.9 Am35
Use of colchicine.

40717 SCHELLING, C. L. Zur kenntnis der physiologie von Mycelium radicis atrovirens Melin mit besonderer berücksichtigung der verwertbarkeit verschiedener kohlenstoffquellen. Zürich,Juris-Verlag,1952. 112 p. 463.5 Sch25
Promotionsarbeit - Eidgenössische Technische Hochschule, Zürich.

40718 SCHENCK, R. Das photosyntheseproblem und seine lösung. Z. f. Elektrochem. u. Angew. Phys. Chem. 56:769-775. 1952. 384 Z342

40719 SCHOPFER, W. H., BEIN, and BESSON, G. Etude du mode d'action de la streptomycine et de quelques antibiotiques sur les plantes supérieures. Cong. Internatl. de Biochim. Résumés des Commun. 2:114-115. 1952. 386.2 In84

40720 SCHRADER. Chlorose und spurenelemente im weinbau. Deut. Weinbau 8:83-84. Feb.20,1953. 390.8 W432

40721 SCHRANK, A. R. Effect of inorganic ions and their conductances on geotropic curvature of the Avena coleoptile. Plant Physiol. 28:99-104. Jan.1953. 450 P692

40722 SERGEEVA, K. A. Salt resistance of muscatel sage in the early phases of its development. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:70-73. 1952. 451 M854

40723 SHAKHOV, A. A. On types of plant development in the process of historical adaptation to arid conditions. (In Russian.) Lab. Evoliutš. Ekol. Rast. im. B. A. Kellera. Trudy 3:31-90. Ref. 1952. 451 Ak13

40724 SHAPTER, R. E. Rubber accumulation in guayule (Parthenium argentatum Gray) in South Australia. Austral. Commonwealth Sci. & Indus. Res. Organ. B. 270, 31 p. Ref. 1952. 514 Au72B

40725 SHARP, E. L., and SMITH, F. G. The influence of pH and zinc on vesicle formation in Puccinia coronata avenae Corda. Phytopathology 42:581-582. Nov.1952. 464.8 P56

40726 SHEVCHENKO, S. V. Overgrowth of stumps and the growing together of the root systems of silver fir [Abies alba]. (In Russian.) Agrobiologiia 6:101-103. Nov./Dec.1952. 20 Ag822

40727 SHIBAMOTO, T., and KAWANA, A. The influence of aeration on the water-culture of Cinnamomum camphora Sieb. II. The amount of oxygen absorbed by the roots of seedlings. (In Japanese.) Tokyo U. Forests. B. 43:101-104. Ref. June 1952. 99.9 T57
English summary.

40728 SHUKLA, T. C. Root development in Lens esculenta Moench. Cur. Sci. 22:17. Jan.1953. 475 Sci23

40729 SIDORIN, M. I. Absorption of scattered solar radiation by leaves of crop plants. (In Russian.) Bot. Zhur. 37(6):781-797. Ref. Nov./Dec.1952. 451 R923

40730 SIMINOVITCH, D., and BRIGGS, D. R. Studies on the chemistry of the living bark of the black locust in relation to its frost hardiness. III. The validity of plasmolysis and desiccation tests for determining the frost hardiness of bark tissue. Plant Physiol. 28:15-34. Ref. Jan.1953. 450 P692

40731 SIRONVAL, C. A propos du métabolisme de la chlorophylle dans la feuille. Cong. Internatl. de Biochim. Résumés des Commun. 2:324. 1952. 386.2 In84

40732 SOCIETE FRANCAISE DE COSMETOLOGIE. La chlorophylle; compte rendu du premier symposium international Paris 30 octobre 1952. Parfumerie Mod. 45(31):31-85., Jan./Feb.1953. 308.8 P213
Includes discussion of chlorophyll in plant physiology.

40733 SOLOMON, S. Studies in the physiology of phanerogamic parasitism with special reference to Striga lutea Lour., and S. densiflora Benth. on Andropogon sorghum Hack. II. Indian Acad. Sci. Proc. Sect. B 36:198-214. Ref. Nov.1952. 513 In25B

40734 SOSA-BOURDOUIL, C., and LECAT, P. Migration des phosphates marqués absorbés par les feuilles aériennes. Acad. des Sci. Compt. Rend. 234:2221-2223. May 26,1952. 505 P21

40735 STANKOV, N. Z. Can grass roots absorb the nutritive elements from dry soil? (In Russian.) Kormovaîa Baza 3(10):35-37. Oct.1952. 60.8 K84

40736 STEINBERG, R. A. Low temperature induction of flowering in a Nicotiana rustica x N. tabacum hybrid. Plant Physiol. 28:131-134. Jan.1953. 450 P692

40737 STEPANOV, V. N. Biological peculiarities of shoot formation in cereals. (In Russian.) Sovet. Agron. 10(12):68-72. Dec.1952. 20 So84

40738 STILES, W., and KEACH, W. Respiration in plants. Ed. 3, rev. London,Methuen,1952. 172 p. (Methuen's Monographs on Biological Subjects) 463.34 St52R

40739 STOCKEBRAND, A. Einwirkung von ultraschall auf keimung und wachstum der zuckerrübe. Z. f. Acker- u. Pflanzenbau 95:401-422. Ref. Nov.1952. 18 J825

40740 STOEV, K. D., and others. In regard to the biology of grapevine suckers. (In Russian.) Agrobiologiîa 6:92-100. Ref. Nov./Dec.1952. 20 Ag822
Z. D. Zankov, I. D. Panaîotov, and G. TS. Naîdenova, joint authors.

40741 STOKES, P. A physiological study of embryo development in Heracleum sphondylium L. III. Ann. Bot. (n.s.)17:157-173. 1953. 450 An7

40742 STOUT, M. Two years' results evaluating effect of preharvest sprays of maleic hydrazide on respiration and spoilage of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:95-100. 1952. 66.9 Am35

40743 STRZEMIENSKI, K. Radiation injury from radioactive phosphorus in tracer experiments with plants. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:313-319. Ref. Dec.1952. 514 N48A

40744 SUKHORUKOV, K. T., and NOVOSELOVA, A. N. Characteristics of assimilation of nitrogenous matter in old plant organs. (In Russian.) Moscow. Glav. Bot. Sad. B.13:40-44. Ref. 1952. 451 M854
Leaf extracts.

40745 SYRETT, P. J. The assimilation of ammonia by nitrogen-starved cells of Chlorella vulgaris. I-II. Ann. Bot. (n.s.)17:1-36. Ref. 1953. 450 An7
I, The correlation of assimilation with respiration; II, The assimilation of ammonia to other compounds.

40746 TAMURA, S., and TAKAOKA, T. Some investigation on the damage of overflooded rice plant. (In Japanese.) Kyushu Noji Shikenjo 10:45-46. Sept.1952. 107.6 K996

40747 TOGARI, Y., and KANNO, C. A study on the relation among grade of spring growing habit, sensibility to temperature and illumination in rape varieties. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:29-42. Ref. May 1952. 107.6 K83
English summary.

40748 TOMBESI, L., and others. Photosynthetic and respiration intensity, oxidase, catalase, carboanhydrase and peroxidase activities, reduced glutathione and ascorbic acid content during some stages of plant biological cycle. (In Italian.) Ann. della Sper. Agr. (n.s.)7:5-15. 1953. 16 An76
S. Fortini, A. Baroccio, and T. Cervigni, joint authors.
English summary.

40749 TRAYNARD, P., and AYROUD, A. M. Etude de la répartition de la lignine dans la membrane par action du chlore sur le bois de peuplier. Rev. Gén. de Bot. 59:561-579. Ref. Dec.1952. 450 R326

40750 TREMBLAY, F. T. Where and when to sample potato plants to determine phosphate and potash nutrient status. Pacific Nowest. Fert. Conf. Proc. 2: 27-29. 1951. 57.9 P11

40751 TROYER, J. R. A relation between cell multiplication and alcohol tolerance in yeasts. Mycologia 45: 20-39. Ref. Jan./Feb.1953. 450 M99

40752 TUKEY, L. D. Effect of night temperature on growth of the fruit of the sour cherry. Bot. Gaz. 114: 155-165. Ref. Dec.1952. 450 B652

40753 VASIL'EVA, N. G. Change in protoplasm permeability of spring wheat leaf cells during irrigation. (In Russian.) Akad. Nauk SSSR. Dok. 88:565-566. Jan.21, 1953. 511 P444A

40754 VASIL'EVA, N. G. Effect of high temperatures on the colloido-chemical properties of protoplasm of plants. (In Russian.) Akad. Nauk SSSR. Dok. 88:341-344. Ref. Jan.11,1953. 511 P444A

40755 VASIL'EVA, N. G. Physiological indicators of spring wheat water supply under conditions of irrigation in Kursk Region. (In Russian.) In Akademiia Nauk. Institut Fiziologii Rastenii im. K. A. Timiriazeva. Oroshenie sel'skokhoziaistvennykh kul'tur, v.1,p.149-159. Ref. Moskva,1952. 55 Ak1

40756 VIKULINA, L. A., and SUBBOTINA, M. M. Influence of methylene blue upon the growth and development of tomatoes. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:66-70. Ref. 1952. 451 M854

40757 VLASIUK, P. A., and KLIMOVITSKAIA, Z. M. Effect of potassium fertilizers forms on the formation of carbohydrates and content of various phosphorus compounds in the cotton plant under conditions of irrigation. (In Russian.) Akad. Nauk. SSSR. Dok. 87:147-149. Nov.1, 1952. 511 P444A

40758 VOLKOV, I. A. Development of spring wheat root system under conditions of irrigation in Kursk Region. (In Russian.) In Akademiia Nauk. Institut Fiziologii Rastenii im. K. A. Timiriazeva. Oroshenie sel'skokhoziaistvennykh kul'tur, v.1,p.78-103. Ref. Moskva,1952. 55 Ak1

40759 VON ABRAMS, G. J. The absorption of mineral nutrients. Amer. Rose Mag. 11(3):14-17. Mar.1953. 80 Am327A

40760 VON ABRAMS, G. J. How roses live and grow; transpiration. Amer. Rose Mag. 11(2):12-17. Feb.1953. 80 Am327A

40761 WADA, E. Studies on the response of heading to day-length and temperature in rice plants. I. (In Japanese.) Jap. J. Breeding 2:55-62. Oct.1952. 64.8 J27
English summary.

40762 WADLEIGH, C. H. Factors affecting healthy roots. Amer. Soc. Sugar Beet Technol. Proc. 7:15-21. Ref. 1952. 66.9 Am35

40763 WADLEIGH, C. H., and BROWN, J. W. Influence of sodium bicarbonate on mineral composition of red garden beets. Amer. Soc. Sugar Beet Technol. Proc. 7:54-57. 1952. 66.9 Am35

40764 WALKER, A. C., and HAC, L. R. Effect of irrigation practices upon the nitrogen metabolism of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:58-66. Ref. 1952. 66.9 Am35

40765 WALTER, H., and ZIMMERMANN, W. Ökologische CO_2-absorptionsmessungen in verschiedenen pflanzenbeständen. Z. f. Bot. 40:251-268. Ref. 1952. 450 Z32

40766 WARDROP, A. B., and DADSWELL, H. E. The nature of reaction wood. III. Cell division and cell wall formation in conifer stems. Austral. J. Sci. Res. Ser. B, Biol. Sci. 5:385-398. Ref. Nov.1952. 442.8 Au72

40767 WEBSTER, G. C., and FRENKEL, A. W. Some respiratory characteristics of the blue-green alga, Anabaena. Plant Physiol. 28:63-69. Jan.1953. 450 P692

40768 WEDDING, R. T., and METCALF, R. L. Translocation of radioactive octamethyl pyrophosphoramide in Black Valentine bean plants. Bot. Gaz. 114:180-189. Ref. Dec.1952. 450 B652

40769 WENGER, K. F. The sprouting of sweetgum in relation to season of cutting and carbohydrate content. Plant Physiol. 28:35-49. Ref. Jan.1953. 450 P692

40770 WENT, F. W. Rate of photosynthesis in young sugar beet plants. (Sum.) Amer. Soc. Sugar Beet Technol. Proc. 7:85. 1952. 66.9 Am35

40771 WIDIEZ, F. La fente des melons en Provence. Potasse 27(201):9-12. Jan.1953. 57.8 P84

40772 WILSON, C. C., BOGGESS, W. R., and KRAMER, P. J. Diurnal fluctuations in the moisture content of some herbaceous plants. Amer. J. Bot. 40:97-100. Ref. Mar. 1953. 450 Am36

40773 WILSON, C. C. The response of two species of pine to various levels of nutrient zinc. Science 117: 231-233. Feb.27,1953. 470 Sci2

40774 WITHROW, R. B., and PRICE, L. Filters for the isolation of narrow regions in the visible and near-visible spectrum. Plant Physiol. 28:105-114. Ref. Jan.1953. 450 P692
For use in determining photochemical reactions in higher plants.

40775 WITHROW, R. B., and others. Influence of visible and near infrared radiant energy on organ development and pigment synthesis in bean and corn. Plant Physiol. 28:1-14. Ref. Jan.1953. 450 P692
W. H. Klein, L. Price, and V. Elstad, joint authors.

40776 WITSCH, H. VON, and FLUGEL, A. Uber polyploidieerhöhung im kurztag bei Kalanchoe blossfeldiana. Z. f. Bot. 40:281-291. Ref. 1952. 450 Z32

40777 WITTWER, S. H. Possible use of maleic hydrazide in vegetable production. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:22-27. 1952. 75.9 Oh3

40778 WITTWER, S. H., and HANSEN, C. M. Some effects of preharvest foliage sprays of maleic hydrazide on the sugar content and storage losses of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:90-94. 1952. 66.9 Am35

40779 WITTWER, S. H. What radioactive isotopes tell us about the production of greenhouse crops. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:108-113. 1952. 75.9 Oh3

40780 WOODBRIDGE, C. G., and MCLARTY, H. R. Observation and investigations of manganese defieiency in tree fruits in British Columbia. (Abs.) Canad. Phytopath. Soc. Proc. 20:24. 1952,pub.1953. 464.9 C162

40781 WORT, D. J., and COWIE, L. M. The effect of 2,4-dichlorophenoxyacetic acid on phosphorylase, phosphatase, amylase, catalase, and peroxidase activity in wheat. Plant Physiol. 28:135-139. Ref. Jan.1953. 450 P692

40782 YOSHIMURA, F. Influence of the light on the consumption of nitrate and ammonia in lemnaceous plants. (In Japanese.) Bot. Mag. 65:176-185. Ref. July/Aug.1952. 450 B651
English summary.

40783 ZAFFANELLA, M. J. R. El suelo y el raquitismo del algodonero en la región de Las Breñas. Gac. Algodon. 29(347):13-14. Dec.31,1952. 72.8 G11

40784 ZAMIATNIN, B. N. Biology of the Caucasian Cyclamen (Cyclamen ibericum Stev.). (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:325-327. Ref. 1952. 451 Ak15

40785 ZOBERST, W. Die physiologischen bedingungen der pigmentbildung von Merulius lacrymans domesticus Falck. Arch. f. Mikrobiol. 18:1-31. Ref. 1952. 442.8 Ar26

40786 ZONJIC, I. Contribution à l'étude de la période de la vie latente des semences. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:169-186. Ref. 1952. 106.6 B41
French summary.

BIOCHEMISTRY

40787 ASAMI, M. On the paper chromatography of the leaf pigments.I. Bot. Mag. 65:217-223. Sept./Oct.1952. 450 B651

40788 AYRAPAA, T., and NIHLEN, H. Sur les amylases de l'orge et sur les protéines apparentées. Cong. Internatl. de Biochim. Résumés des Commun. 2:239. 1952. 386.2 In84

40789 BARNETT, R. C., and others. Phosphogluconic dehydrogenase in higher plants. Plant Physiol. 28:115-122. Ref. Jan.1953. 450 P692
H. A. Stafford, E. E. Conn, and B. Vennesland, joint authors.

40790 BLACK, W. A. P. Concentration gradients and their significance in L.[aminaria] saccharina (L) Lamour. Cong. Internatl. de Biochim. Résumés des Commun. 2: 309. 1952. 386.2 In84

40791 BLAGOVESHCHENSKII, A. V., and KUDRIASHOVA, N. A. Germination inhibitors in ripening seeds. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:37-39. 1952. 451 M854

40792 BLAGOVESHCHENSKII, A. V. Uniform method of biochemical and physiological evaluation of introduced plants. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:3-6. 1952. 451 M854

40793 BLOUCH, R., PAYNE, M. G., and FULTS, J. L. Free amino acids in sugar-beet leaves altered by zinc dimethyldithiocarbamate. Bot. Gaz. 114:248-251. Dec. 1952. 450 B652

40794 BRANFIELD, W. How do flowers get their colours? Soil Mag. 4:143-145. Mar.1953. 56.8 So36

40795 CARDINI, C. E. The action of plant aldolase on fructose-1-phosphate. Enzymologia 15:303-306. Ref. Sept.1,1952. 390.08 En9

40796 CHANCE, B. An anaerobic oxidation of cytochrome b in yeast cells. Cong. Internatl. de Biochim. Résumés des Commun. 2:32. 1952. 386.2 In84

40797 CHAYEN, J. The spectrophotometric estimation of ascorbic acid and its distribution in plant tissues. Cong. Internatl. de Biochim. Résumés des Commun. 2:309-310. 1952. 386.2 In84

40798 CREAC'H, P. V. Sur la presence d'acide citrique chez les Chlorophycées, Pheophycées et Rhodophycées. Botaniste 36:339-351. Ref. 1952. 450 B657

40799 DICK, A. T., MOORE, C. W. E., and BINGLEY, J. B. The copper and molybdenum contents of some pasture species in the Murray Valley. Austral. J. Agr. Res. 4:44-51. Ref. Jan.1953. 23 Au783

40800 DOXTATOR, C. W., and BAUSERMAN, H. M. Chemical constituents of five varieties grown in six Midwestern factory areas. Amer. Soc. Sugar Beet Technol. Proc. 7:307-313. 1952. 66.9 Am35

40801 DOXTATOR, C. W., and BAUSERMAN, H. M. Parent-progeny tests for sodium and potassium content. Amer. Soc. Sugar Beet Technol. Proc. 7:319-321. 1952. 66.9 Am35

40802 EHRENBERG, L., GUSTAFSSON, Å., and NYBOM, N. Biochemical aspects of the plant injury caused by ionizing radiations. Acta Chem. Scand. 6:1554-1555. 1952. 385 Ac82
X-rays and neutrons.

40803 FAROOQ, M. O., and VARSHNEY, I. P. La saponine et la sapogénine du péricarpe des fruits d'Albizzia lebbek Benth.1. Soc. Chim. de France. B. 3:301-302. Ref. Mar.1953. 383 P21B

40804 GALSTON, A. W., BONNER, J., and BAKER, R. S. Flavoprotein and peroxidase as components of the indoleacetic acid oxidase system of peas. Arch. Biochem. & Biophys. 42:456-470. Ref. Feb.1953. 381 Ar2

40805 GENEVOIS, L. Les acides organiques des fruits. Cong. Internatl. de Biochim. Résumés des Commun. 2:310. 1952. 386.2 In84

40806 GLOCK, E., and JENSEN, C. O. The colorimetric determination of plant succinic dehydrogenase. J. Biol. Chem. 201:271-278. Ref. Mar.1953. 381 J824

40807 GOODWIN, T. W., and others. Carotenogenesis in Phycomyces blakesleeanus. Cong. Internatl. de Biochim. Résumés des Commun. 2:210. 1952. 386.2 In84
L. A. Griffiths, M. Jamikorn, and J. S. Willmer, joint authors.

40808 GOUVERNEL-GUILLEMAIN, J. Sur l'identification de la substance de croissance provoquant les tumeurs des chênes attaqués par Agrilus biguttatus Fab. (Coléopt. Buprestidæ). Acad. des Sci. Compt. Rend. 236: 978-979. Mar.2,1953. 505 P21

40809 GROB, E. C., SCHOPFER, W. H., and PORETTI, G. G. Etude de la biosynthèse des caroténoïdes à partir d'acétate marqué chez Mucor hiemalis. Cong. Internatl. de Biochim. Résumés des Commun. 2:212. 1952. 386.2 In84

40810 GURGEL, J. T. A., and others. Factors affecting the determination of vitamin C in guava (Psidium guajava L.) (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:399-432. Ref. 1951. 102.5 P66A
J. Soubihe, E. Malavolta, and J. Leme, joint authors.
English summary.

40811 HAC, L. R., and others. Relationship between root weight, glutamic acid and sucrose content of inbred lines of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:322-330. 1952. 66.9 Am35
M. L. Long, G. A. St. John, and A. C. Walker, joint authors.

40812 HAYASHI, K., KONDO, H., and MIZUNO, T. Biochemical studies on seed-stalk development in cabbage (preliminary report). (In Japanese.) Agr. Chem. Soc. Japan. J. 25:533-534. 1952. 385 Ag8
English summary.

40813 HINSVARK, O. N., WITTWER, S. H., and SELL, H. M. Flame photometric determination of calcium, strontium, and barium in a mixture. Analyt. Chem. 25: 320-322. Feb.1953. 381 J825A
Plant tissue analysis.

40814 HOCKENHULL, D. J. D., WILKIN, G. D., and WINDER, F. G. The metabolism of lactate and acetate by Penicillium chrysogenum. Cong. Internatl. de Biochim. Résumés des Commun. 2:34-35. 1952. 386.2 In84

40815 HULME, A. C. Quinic acid metabolism. Cong. Internatl. de Biochim. Résumés des Commun. 2: 317-318. 1952. 386.2 In84
In plants.

40816 HUNTER, J. G., and HALL, A. The determination of calcium in plants and soils. Analyst 78:106-110. Feb.1953. 382 An1

40817 ISHERWOOD, F. A., CHEN, Y. T., and MAPSON, L. W. Synthesis of L-ascorbic acid in plants and animals. Nature [London] 171:348-349. Feb.21, 1953. 472 N21

40818 JERMYN, M. A. Fungal cellulases. I-II. Austral. J. Sci. Res. Ser. B, Biol. Sci. 5:409-443. Ref. Nov.1952. 442.8 Au72
Enzymes of Aspergillus oryzae.

40819 KANDLER, O., and SCHMIDEDER, H. Untersuchungen über die geschwindigkeit der fibrinverdauung bei Nepenthes. Z. f. Bot. 40:317-326. Ref. 1952. 450 Z32

40820 KUDO, N., and SETOGUCHI, N. Contents of carbohydrate and vitamin C of sweet potato in the different producing districts. (In Japanese.) Kyushu Noji Shikenjo 10:176. Sept.1952. 107.6 K996

40821 LAATSCH, W., HOOPS, L., and BIENECK, O. Über huminsäuren des pilzes Spicaria elegans. Z. f. Pflanzenernähr. Düngung. Bodenk. 58:258-268. Ref. 1952 1952. 384 Z343A

40822 MACDONALD, E. M., and VIRTANEN, A. I. Studies on the enzymatic hydrolysis of Rhizobium polysaccharides. Cong. Internatl. de Biochim. Résumés des Commun. 2:241. 1952. 386.2 In84

40823 MANSKAĬA, S. M., and BARDINSKAĬA, M. S. Lignin in wood formation. (In Russian.) Biokhimiĭa 17: 711-718. Ref. Nov./Dec.1952. 385 B523

40824 MATELL, M. Stereochemical studies on plant growth regulators. II. Arkiv f. Kemi 5:187-192. Ref. 1953. 385 Ar4

40825 MIZUKAMI, Y. Studies on the chemical constituents of the tobacco plant. 1. Evidence of the fluorescent substance in the tobacco plant to be "scopoletin." (In Japanese.) Agr. Chem. Soc. Japan. J. 25:531-533. 1952. 385 Ag8
English summary.

40826 MORRISON, R. I. The isolation of L-pipecolinic acid from Trifolium repens. Biochem. J. 53:474-478. Ref. Feb.1953. 382 B52

40827 NAQVI, S. H. Z. The production of thiamin by Cercospora cruenta Sacc. (Abs.) Canad. Phytopath. Soc. Proc. 20:20. 1952,pub.1953. 464.9 C162

40828 NETIEN, G., and BEAUCHESNE, G. Recherches sur un facteur de croissance présent dans les graines de maïs immatures et capable de stimuler le développement in vitro de tissus végétaux. Cong. Internatl. de Biochim. Résumés des Commun. 2:319. 1952. 386.2 In84

40829 NOZDRUNOVA, E. M. Effect of granulated fertilizer application in rows on metabolism of phosphorus compounds and yields of plants. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(12):24-30. 1952. 20 Ak1
Experiment with oats.

40830 PARIS, R. Les pigments flavoniques de divers espèces d'Acacia. Cong. Internatl. de Biochim. Résumés des Commun. 2:214. 1952. 386.2 In84

40831 PENFOLD, A. R., and others. The essential oil of a physiological form of Eucalyptus citriodora Hook. Roy. Soc. N. S. Wales. J. & Proc. 85:120-122. May 23, 1952. 514 Sy24
F. R. Morrison, J. L. Willis, H. H. G. McKern, and M. C. Spies, joint authors.

40832 PENFOLD, A. R., and others. The occurrence of a physiological form of Backhousia citriodora F. Muell. and its essential oil. Roy. Soc. N. S. Wales. J. & Proc. 85:123-126. July 16,1952. 514 Sy24
F. R. Morrison, J. L. Willis, H. H. G. McKern, and M. C. Spies, joint authors.

40833 PETERSON, W. H. Penicillin production by pigmentless mutants of Penicillium chrysogenum Q 176. Cong. Internatl. de Biochim. Résumés des Commun. 2: 110. 1952. 386.2 In84

40834 PREVOT, P., and OLLAGNIER, M. Corrélations des éléments et équilibres chimiques: étude par le diagnostic foliaire. Cong. Internatl. de Biochim. Résumés des Commun. 2:146-147. 1952. 386.2 In84

40835 PROSKURĬAKOV, N. I., and KHOLOPOVA, L. S. Interaction of ascorbic acid with plant amylases of various origin. (In Russian.) Biokhimiĭa 17:578-583. Ref. Sept./Oct.1952. 385 B523

40836 QUILICO, A., and others. The pigments of "Deuterophoma tracheiphila." (In Italian.) Accad. Naz. dei Lincei. Cl. di Sci. Fis. Mat. e Nat. Atti. Rend. (ser.8) 12:650-657. June 1952. 507 R66
C. Cardani, F. Piozzi, and P. Scrivani, joint authors.

40837 QUINLAN-WATSON, F. The effect of zinc deficiency on the aldolase activity in the leaves of oats and clover. Biochem. J. 53:457-460. Ref. Feb.1953. 382 B52

40838 RAVAZZONI, C., GARZIA, A., and DANSI, A. Contribution à l'étude de la lipase du Ricinus. Cong. Internatl. de Biochim. Résumés des Commun. 2:249-250. 1952. 386.2 In84

40839 REIFER, I., and GRABIANOWSKA, B. A micromethod for the determination of peroxydase activity in plant material. (In Polish.) Rocz. Nauk Roln. 60:87-94. 1952. 20.5 R59
English summary.

40840 RODRIGO, F. A. Preliminary note on experiments concerning the state of chlorophyll in the plant. Biochim. et Biophys. Acta 10:342. Feb.1953. 381 B522

40841 SAG, G. Sur la composition des racines et des sucs de réglisse [Glycyrrhiza glabra]. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:570-574. Ref. Nov./Dec. 1952. 26 R323

40842 SAYRE, J. D. Mineral accumulation in corn leaves. Natl. Joint Comt. Fert. Appl. Proc. 28:16-26. 1952. 57.9 N216

40843 SCHWOB, R. Différenciation des huiles essentielles du genre "Citrus." Cong. Internatl. de Biochim. Résumés des Commun. 2:313. 1952. 386.2 In84

40844 SEMENENKO, G. I. Change of nucleoproteid content in plants during vegetative hybridization. (In Russian.) Biokhimiîa 17:655-659. Ref. Nov./Dec.1952. 385 B523
Experiments with tomatoes and eggplant.

40845 SHIBAMOTO, T., FUKUZUMI, T., and YANAGAWA, R. Studies on the scheme of decomposition of oxalic acid by some wood-rotting fungi, and its effect on the change of pH in a glucose malt extract medium. Tokyo U. Forests. B. 43:105-110. June 1952. 99.9 T57

40846 SIGLE, K. Einiges über das eiweiss der betarüben. Z. f. Acker- u. Pflanzenbau 95:389-400. Nov.1952. 18 J825

40847 SISAKIAN, N. M., and VASIL'EVA, N. A. Biochemical changes in morphologically unchanged vegetative hybrids [of tomatoes]. (In Russian.) Akad. Nauk SSSR. Dok. 86:1005-1008. Oct.11,1952. 511 P444A

40848 SISAKIAN, N. M., BEZINGER, E. N., and KUVAEVA, E. B. Extraction of protein from [sugar beet] plastids and its analysis. (In Russian.) Akad. Nauk SSSR. Dok. 87:113-116. Ref. Nov.1,1952. 511 P444A

40849 SISAKÎAN, N. M., MELIK-SARKISÎAN, S. S., and BEZINGER, È. N. On chemical and electrochemical properties of [sugar beet] plastid proteins. (In Russian.) Biokhimiîa 17:626-636. Ref. Sept./Oct.1952. 385 B523

40850 SNELL, J. F., and others. Phosphorus metabolism of Penicillium chrysogenum. I. Cong. Internatl. de Biochim. Résumés des Commun. 2:116. 1952. 386.2 In84
C. Stroebel, J. Griffin, and A. Steele, joint authors.

40851 SOSA, A., and PLOUVIER, V. La biochimie des fleurs de Forsythia. Cong. Internatl. de Biochim. Résumés des Commun. 2:313-314. 1952. 386.2 In84

40852 SOSA, A., and SOSA-BOURDOUIL, C. Sur la composition chimique du pollen de Corylus avellana L. Cong. Internatl. de Biochim. Résumés des Commun. 2:314. 1952. 386.2 In84

40853 SPRINGER, U., and WAGNER, A. Zur kenntnis der von pilzen gebildeten huminsäureähnlichen substanzen unter besonderer berücksichtigung von Stachybotris lobulata. Z. f. Pflanzenbau u. Pflanzenschutz 3:145-172. Ref. 1952. 464.8 P88

40854 STAKER, E. V., and CRANDALL, B. H. Comparison of the carotene and nitrogen contents of alfalfa forage from selected clonal lines. Agron. J. 45: 66-68. Ref. Feb.1953. 4 Am34P

40855 STOEV, K. D. Biochemical analysis of a grapevine in its yearly cycle of development. (In Russian) Vinodel. i Vinograd. SSSR. 12:42-49. Dec.1952. 95.8 V77

40856 STRAUS, W. Chromoplasts—development of crystalline forms, structure, state of the pigments. Bot. Rev. 19:147-186. Ref. Mar.1953. 450 B6527

40857 SUDARIO, E. The coloring substances in grapes of hybrid direct producers. (In Italian.) Ann. della Sper. Agr. (n.s.)7:157-163. Ref. 1953. 16 An76
English summary.

40858 THOMAS, J. B., BLAAUW, O. H., and DUYSENS, L. N. M. On the relation between size and photochemical activity of fragments of spinach grana. Biochim. et Biophys. Acta 10:230-240. Ref. Feb.1953. 381 B522

40859 TRAUTNER, E. M. The alkaloid content of a parasitic plant [Loranthus] living on Duboisia myoporoides. Austral. J. Sci. 15:98-99. Dec.1952. 475 Au72

40860 VINOGRADOVA, I. N., PLATONOVA, I. P., and PETRENKO, V. A. New method of obtaining proteolytic enzymes of high activity from the mold, Aspergillus terricola. (In Russian.) Mikrobiologiîa 21:692-699. Ref. Nov./Dec.1952. 448.3 M582

40861 WEBB, L. J. An Australian phytochemical survey. II. Alkaloids in Queensland flowering plants. Austral. Commonwealth Sci. & Indus. Res. Organ. B. 268,99 p. 1952. 514 Au72B

40862 WHITE, E. S., and GREENWOOD, M. L. The effectiveness of reduced dosage levels of activated carbon in counteracting the off-flavor in potatoes grown on soil treated with benzene hexachloride. Amer. Potato J. 30:6-9. Jan.1953. 75.8 P842

40863 WILLIAMS, J. S. Seasonal trends of minerals and proteins in prairie grasses. J. Range Mangt. 6:100-108. Ref. Mar.1953. 60.18 J82

40864 WOODS, C. J. Manometric consideration of nitrogenous assimilates of the genus Hansenula. Cong. Internatl. de Biochim. Résumés des Commun. 2: 322. 1952. 386.2 In84

40865 WOODS, E. F., and GILLESPIE, J. M. Paper electrophoresis of the enzymes of Aspergillus oryzae. Cong. Internatl. de Biochim. Résumés des Commun. 2: 243. 1952. 386.2 In84

40866 ZELENSKAIA, E. D. Seasonal dynamics of mineral substances and nitrogen in various organs of young apple trees. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 18(11):24-28. 1952. 20 Ak1

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

40867 AHRER, K. Fruchtfolge und feldfutterbau im gebirge. Bauer 6(5):8. Jan.31,1953. 19 B32
Austria.

40868 ANDREAE, B. Fruchtfolgeformen in Deutschland. Agrarwirtschaft 2:52-59. Feb.1953. 281.8 Ag826

40869 BABENKOV, I. Experiment in [field crop] seed production on a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 13:24-25. Jan.1953. 281.8 K83

40870 BURAKOV, ÎA. N. Experimental work of the Centers of Agricultural Culture on the district seed farms in Brîansk Region. (In Russian.) Sovet. Agron. 10 (11):69-73. Nov.1952. 20 So84
Field crops.

40871 CAMPOS GIRAL, H. Cultivo racional. Inst. Agr. Nac. B. 40(14):4-5. Feb.1953. 281.9 C17
Crop rotation and soil management.

40872 ECKHOFF, G. Womit kann ich freigebliebene wintergetreide-flächen bestellen? Hannoversche Land- u. Forstwirt. Ztg. 106:147-148. Feb.7,1953. 18 H194

40873 FITZSIMMONS, J. E. Seed distribution. Alberta. U. Dept. Plant Sci. Seasonal Notes 38:11-12. Jan.3,1953. 64.9 AL12
Field crops in Canada.

40874 GENKEL', P. A. Problems and organization of work in developing the Dokuchaev-Kostychev-Vil'îams Complex for the regions of dry farming. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriîazeva. Voprosy Travopol'noi Sistemy Zeml. 1:5-23. Ref. 1952. 33.31 Ak13

40875 GILEAD, H. Proposed changes in the 3-year crop rotation. (In Hebrew.) Hassadeh 33:133-137. Dec.1952. 26 H27

40876 GRASSL, G. Sorte, saatgut, saatgutwechsel. Landwirt. Wchnbl. 143:286. Mar.7,1953. 18 L2338

40877 GRINEVETSKIÎ, B. S. Method of growing high quality selected seeds [of field crops]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1: 28-31. Jan.1953. 20 D742

40878 HAAN, H. DE. Maintaining varieties of self-fertilized crop plants. Euphytica 2:37-45. Ref. Feb. 1953. 450 Eu6

40879 HOWARD, H. W. Crops and plant breeding. Roy. Agr. Soc. Eng. J. 113:133-144. Ref. 1952. 10 R81

40880 HUNTER, H. Industry's contribution to agricultural research. XV. The Pure Seed Company. World Crops 5:113-116. Mar.1953. 281.8 W892

40881 INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE. Rapport annuel, 1950. Paris,1952. 205 p. 105.3 F84

40882 JINNO, H., and OSHIMA, H. On the variation of productivity for the several crops in the sloping field. I. (In Japanese.) Kyushu Noji Shikenjo 10:49-50. Sept.1952. 107.6 K996

40883 JOHNSON, I. J., and BRAGONIER, W. H. Recommended crop varieties for 1953. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:109-112. Jan.1953. 275.28 Io94

40884 KIRSTE, A. Physiologische störungen in der fruchtfolge durch N-sammler. Deut. Landwirt.-Gesell. Mitt. 68:151-152. Feb.12,1953. 18 M39

40885 KNOBLICH. Die eingliederung von klee und zwischenfruchtbau in die fruchtfolge. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:167-168. Jan.29,1953. 18 L2346

40886 KOBLET, R. Fortschritte im pflanzenbau: ergebnisse einer studienreise in die Vereinigten Staaten von Amerika. Schweiz. Landwirt. Monatsh. 31:37-61. Feb.1953. 17 Sch93

40887 KOFOED, A. D. Field crops 1952. (In Danish.) Jydsk Landbr. 35:9-17. Jan.5,1953. 11 J99

40888 KOPTEV, G. S. Posters about the best [crop] varieties. (In Russian.) Selek. i Semen. 19(11):74-80. Nov.1952. 61.9 Se5
To disseminate information about regional varieties.

40889 LETUNOV, P. A. Problems of scientific-research work in connection with the introduction of the grass-field system of agriculture into the districts of irrigated cotton culture of Middle Asia. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:264-278. 1952. 33.31 Ak13

40890 MANITOBA AGRONOMISTS. Annual conference December 17, 18 and 19, 1952. Winnipeg,1952. 63 p. 64.9 Ag8

40891 MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. DEPT. OF AGRONOMY. Field crop variety recommendations. Md. Agr. Col. Ext. Fact Sheet 43,rev.,4 p. Jan.1953. 275.29 M36Fa

40892 MAZURIN, S. A., and SMIRNOVA, V. IA. Agropyron in Uzbekistan. (In Russian.) Kormovaia Baza 3(10):27-31. Oct.1952. 60.8 K84
Crop rotations.

40893 MAZZINI, C. On the association of field crops with fruit. (In Italian.) Agr. Ferrarese 56:207-210. Sept.30,1952. 16 Ag87

40894 MENDES, O. T. African agriculture as seen by a Brazilian agronomist. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:1014-1022,1104-1124. (Cont.) Nov.-Dec.1952. 68.29 Sa63

40895 NEHRING, K. Die bedeutung des trawopolnajasystem für die futtergrundlage der DDR. Interagra 6: 326-329. 1952. 28 In825

40896 NEKRASOVA, I. F. Three variety grass mixture in field crop rotations. (In Russian.) Kormovaia Baza 3(10):32-35. Oct.1952. 60.8 K84

40897 OREGON SEED GROWERS LEAGUE. Proceedings of the eleventh annual meeting, January 7, 8, 9, 1952. Portland,1952. 116 p. 61.9 Or3

40898 PATTERSON, H. D. The analysis of the results of a rotation experiment on the use of straw and fertilizers. J. Agr. Sci. 43:77-88. Jan.1953. 10 J822

40899 PETERSON, J. B. Policy for agronomic research. Soybean Digest 13(3):13-14. Jan.1953. 60.38 So9

40900 PETINOV, N. S. Problems and organization of work in developing the Dokuchaev-Kostychev-Vil'iams Complex for the regions of irrigated agriculture. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:196-216. Ref. 1952. 33.31 Ak13

40901 PLIUSHCHENKO, P. P. Achievements [agronomical] of Troitskoe Experimental Field. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10: 44-47. Oct.1952. 20 D742

40902 ROBERTSON, L. S., and others. Ten years' results from the Ferden Rotation and Crop Sequence Experiment. Amer. Soc. Sugar Beet Technol. Proc. 7:172-179. 1952. 66.9 Am35
R. L. Cook, P. J. Rood, and L. M. Turk, joint authors.

40903 RUBENSAM, E. Das trawopolnaja-system in der DDR. Interagra 6:319-326. 1952. 28 In825

40904 SALMON, G. D. Lengthening the rotation on a Westmorland farm. Gt. Brit. Min. Agr. Agriculture 69: 520-523. Feb.1953. 10 G79J

40905 SAVOS'KIN, P. G. What kind of seed plots should be [developed] on sovkhozes. (In Russian.) Selek. i Semen. 19(12):29-31. Dec.1952. 61.9 Se5

40906 SAZHINOV, G. I. Use of travopol'nyi system and organization of forage base. (In Russian.) Kormovaia Baza 3(10):13-18. Oct.1952. 60.8 K84

40907 SHISHKIN, A. G. Experiments in initiating forage crop rotations on the Lenin kolkhoz. (In Russian.) Kormovaia Baza 3(12):8-13. Dec.1952. 60 K84

40908 SMIRNOV, I. V. Experiment in adapting crop rotations on the collective farms in Primorski Krai. (In Russian.) Sovet. Agron. 10(11):82-84. Nov.1952. 20 So84

40909 SPIRHANZL, J. Soviet method of controlled appraisal of the quality of soil tillage, planting and care of crops. (In Czech.) Za Socialist. Zemedel. 2:1403-1415. Dec.1952. 19.5 Z1

40910 STATEN, H. W. The value of judging team training. Agron. J. 45:75-76. Feb.1953. 4 Am34P

40911 STOA, T. E. What variety shall I plant? N. Dak. Agr. Expt. Sta. Bimon. B. 15:91-96. Jan./Feb. 1953. 100 N813B
Field crops.

40912 TROISCHT. Der zwischenfruchtbau im kreise Osnabrück. Landwirtbl. Weser-Ems 99:35. Jan.10,1952. 18 L2345

40913 UNRAU, J. Do we need so many varieties of field crops? Alberta. U. Dept. Plant Sci. Seasonal Notes 38:5-6. Jan.3,1953. 64.9 AL12

40914 VERMEULEN, F. H. B. Control of the reproducibility and accuracy of routine analyses at the Laboratory for Soil and Crop Testing in the Netherlands. Plant & Soil 4:267-275. Jan.1953. 450 P696

40915 WACKER, H. Weitere erfahrungen zum stoppelrübenanbau. Landwirtbl. Weser-Ems 100:223-224. Feb.26,1953. 18 L2345

40916 YOUNG, A. W. J. Garden leys. Countryman [Burford] 47:57-58. Spring 1953. 281.28 C832

40917 ZEALAND, DENMARK. SAMVIRKENDE SJAELLANDSKE LANDBOFORENINGER. PLANTEAVL-SUDVALG. Beretning om landboforeningernes virksomhed for planteavlen paa Sjaelland, 1952 [Report on the plant culture work of the agricultural associations in Zealand, 1952]. Kobenhavn,1953. 398 p. 11 Z1B

40918 ZELENUKHIN, I. A., and KUPOROV, A. V. Regional [Gorki] Center of Agronomy. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Selsk. Khoz. 11: 78-82. Nov.1952. 20 D742

Cereals

40919 ADANDÉ, A. Le maïs et ses usages dans le Bas-Dahomey. Inst. Franç. d'Afrique Noire. B. 15:220-282. Ref. Jan.1953. 515 D14

40920 AGUSTIN, E. P. The panacea for the series of crop failures in Happy Valley. Agr. & Indus. Life 15:8-9, 37. Jan.1953. 25 Ag8
Rice culture and control of rats in the rice fields, Upi Agricultural High School, Upi, Cotabato, Philippines.

40921 ANDREW, R. H. Two new sweet corn hybrids are released by University of Wisconsin. Seed World 72(4):48-49. Feb.20,1953. 61.8 Se52
Wisconsin Golden 900 and Wisconsin Golden 950.

40922 ANDREW, R. H. Two new Wisconsin sweet corn hybrids. Food Packer 34(3):48,50. Mar.1953. 286.83 C165

40923 ANMA, M., and ODA, K. Studies on the culture of wheat and barley planted after rice in paddy field in Kanto District. IV. Varietal and sortal differences of germination of wheat and barley seeds under the excessive moisture conditions. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:23-28. May 1952. 107.6 K83
English summary.

40924 ARPESELLA, E. Rice plantations and fruit and grape culture. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:14-15. Jan.1953. 16 C72

40925 ATKINS, I. M. Mustang oats; answer to winterkill. South. Seedsman 16(3):26,50,60. Mar.1953. 61.8 So8

40926 AZZI, G. Differential analysis of the yields: determination of the effect of soil, topography, fertilization and tillage on the yield of wheat. (In Italian.) Ann. della Sper. Agr. (n.s.)7:137-145. 1953. 16 An76
English summary.

40927 BALABAN, S. M. Role and problems of selection in the grass-field crop rotation system of agriculture. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:185-195. Ref. 1952. 33.31 Ak13
Effect of shelterbelts on wheat chiefly.

40928 BAUMAN, L. F., and others. Experimental corn hybrids, 1952 tests. Ill. Agr. Expt. Sta. B. 563,19 p. Jan.1953. 100 IL6S
D. E. Alexander, R. W. Jugenheimer, and C. M. Woodworth, joint authors.

40929 BEILMANN, A. P. Shouldn't we try hybrid quail along with hybrid corn? Mo. Bot. Gard. B. 41:34-36. Feb.1953. 451 M69B

40930 BERGAL, P. La culture des orges de brasserie. (Sum.) Agriculteur 57(7):9. Feb.15,1953. 13 B63P

40931 BJAANES, M. Trials with two-rowed barley conducted at the State Experiment Station Møystad and in local experiments during the years 1947-51. Domen 01435-a new variety with great strength of straw. (In Norwegian.) Forsk. og Forsøk i Landbr. 3:273-297. 1952. 11 F772
English summary.

40932 BROOKS, J. S., and others. Oklahoma 301, a new hybrid corn for Oklahoma. Okla. Agr. Expt. Sta. B. B-390,6 p. Jan.1953. 100 Ok4
H. Pass, W. L. Richardson, and J. W. Smith, joint authors.

40933 CABIDO, J. DE. M. Sowing wheat for winter wheat. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):83-106. First Semes.1953. 15 Az6

40934 CADA, E. New high yielding upland rice varieties. Philippines. Bur. Plant Indus. Plant Indus. Digest 16:15-16. Jan.1953. 25 P544P

40935 CAROLUS, R. L., and others. Royal treatment for King Corn. Natl. Joint Comt. Fert. Appl. Proc. 28: 57-63. 1952. 57.9 N216
F. E. Bear, M. L. Jackson, W. C. Johnstone, and B. A. Krantz, joint authors.

40936 CHEKMAREV, P. T. Planting winter rye for feed upon plowed-over stubble. (In Russian.) Kormovaia Baza 4:32-36. Jan.1953. 60.8 K84

40937 CHEREDNICHENKO, S. V. Increasing the productivity of spring wheat. (In Russian.) Sovet. Agron. 11:23-28. Jan.1953. 20 So84
Culture chiefly.

40938 CHEREMISINOV, G. A. Experiment in utilizing a differentiated agricultural technique for growing winter crops [rye and wheat]. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:29-33. Sept. 1952. 20 D742

40939 CHRISTENSEN, J. Reflections of a seedman. (In Danish.) Jydsk Landbr. 35:19-21. Jan.5,1953. 11 J99
Grain varieties and yields.

40940 CLAPP, A. L., and TATUM, L. A. Kansas corn tests, 1952. Kans. Agr. Expt. Sta. B. 358,43 p. Feb. 1953. 100 K13S

40941 COFFMAN, F. A. History of the Cooperative Coordinated Oat Breeding Nursery Program. Natl. Oat Newslet. 3:22-25. Feb.1,1953. 59.9 N217

40942 COFFMAN, F. A. Some observations on oats in 1952. Natl. Oat Newslet 3:9-15. Feb.1,1953. 59.9 N217

40943 COLLINS, E. R. Corn club manual for 4-H Club members. N. C. Agr. Col. Ext. Club Ser.3,rev.,8 p. Dec.1952. 275.29 N811C

40944 CORNELL UNIVERSITY. DEPT. OF PLANT BREEDING. Maize genetics cooperation news letter. 27. Ithaca,1951. 90 p. 59.9 C813

40945 CUTTACK RICE RESEARCH INSTITUTE. First cooperative effort for improving yields. World Crops 5:112. Mar.1953. 281.8 W892
Rice Hybridisation Project, sponsored by FAO.

40946 DAVIES, F. F., and SIEGLINGER, J. B. Darset, a combine-type darso. Okla. Agr. Expt. Sta. B. B-391,6 p. Feb.1953. 100 Ok4
Grain-sorghum.

40947 DIEHL, R. Quelques aspects de la résistance au froid chez les céréales d'hiver. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:257-303. Ref. Apr./June 1952. 14 F8499A

40948 DMITRIEV, V. S. On the origin of species of cultivated plants for which no wild initial species had been discovered. (In Russian.) Sovet. Agron. 11:13-22. Jan.1953. 20 So84
Wheat and oats.

40949 ELDREDGE, J. C. Popcorn experiments for 1951. Popcorn Merchandiser 7(11):28-30,32-34,36-40. Feb.1953. 280.38 P81
Culture.

40950 FENAROLI, L. Seed and plant introduction made by the Maize Experiment Station at Bergamo in the year 1951 (No. 51001 to 51472). (In Italian.) Ann. della Sper. Agr. (n.s.)7(1,sup.),24 p. 1953. 16 An76

40951 FERGUS, H. High corn yields. Pa. Farmer 148:238-239,267. Mar.14,1953. 6 P383

40952 FIEDLER, J. Beziehungen zwischen der getreidekörnergrösse und den ernteerträgen. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. 25:571-573. Dec.1952. 19.5 C332C
German summary.

40953 FINKNER, V. C. New oat variety. Ohio Farm & Home Res. [Ohio Sta.] 38(280):5. Jan./Feb.1953. 100 Oh3S

40954 FLANDRIN, F. Les blés à semer aprés le 1er février. Agriculture [Paris] 17(142):11-12. Jan.1953. 14 Ag823

40955 FREY, K. J. Oat varieties for southern Michigan. Mich. Agr. Expt. Sta. Q. B. 35:294-298. Feb. 1953. 100 M58S

40956 GARCIA, R. DE. J. Apuntes sobre el cultivo del arroz. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(198):34-35. Oct./Dec.1952. 8 R323

40957 HALLERFORS, M. The approaching spring tillage. Observations on the selection of crops in West Sweden. (In Swedish.) Holmberg (Algot) Arsb. 1953:7-8. 86 H73
Grain.

40958 HASKELL, G. The control of inter-pollination between sweet and flint corn. Ann. Bot. (n.s.)17:81-93. Ref. 1953. 450 An7

40959 HENDRIKSEN, A J. T. Grain improvement. (In Dutch.) Plattelands-Post 9(5):13. Feb.5,1953. 12 P69

40960 HIRANO, M., and KIYOMATSU, K. Influence of the density of seedlings in the direct sowing method of rice plants on emergency period of each leaf and factors composing the yield of rice plants. (In Japanese.) Kyushu Noji Shikenjo 10:43-44. Sept.1952. 107.6 K996

40961 HOSOKAWA, S., TANAKA, S., and ISHIDA, Y. Differences in the growth of paddy rice plants between the two cultivating methods; the "direct sowing" and the "transplanting." (In Japanese.) Kyushu Noji Shikenjo 10: 41-42. Sept.1952. 107.6 K996

40962 HUBER, L. L., and SCHAAF, H. M. Hybrids of the future. Natl. Joint Comt. Fert. Appl. Proc. 28:10-15. 1952. 57.9 N216
Corn.

40963 HULSMANN-WENKER, A. Die wintersaat, unser sorgenkind in diesem frühjahr! Landwirtbl. Weser-Ems 100:218-219. Feb.26,1953. 18 L2345
Grain.

40964 HUTCHCROFT, C. D., and ROBINSON, J. L. 1952 Iowa corn yield test. Iowa. Agr. Expt. Sta. B. P115: 857-912. Feb.1953. 100 Io9

40965 IAKUBTSINER, M. M. New regional wheat varieties and their identification. (In Russian.) Selek. i Semen. 19(11):49-56. Nov.1952. 61.9 Se5

40966 INSTITUTO AGROPECUARIO NACIONAL. Trabajos para incrementar la producción de trigo en nuestro pais. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1:6-7. Oct.1952. 8 G934
Guatemala.

40967 IOWA CROP IMPROVEMENT ASSOCIATION. Hybrid corn parent seed stock. Ames,1952. 4 p. 225 Io97H

40968 IURTSOVSKII, M. A. Postharvest plantings of cereals and technical crops. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:91-92. Sept. 1952. 20 D742

40969 THE 'JAPANESE method' of rice cultivation. Indian Farming (n.s.)2(11):10-11. Feb.1953. 22 In283

40970 JENSON, N. F. Erie—a new spring barley. Rur. New-Yorker 103:203,213. Mar.21,1953. 6 R88

40971 JODON, N. E. Louisiana releases Sunbonnet through Seed Growers Assn. Rice J. 56(3):40. Mar. 1953. 59.8 R36

40972 JOHNSON, L. P. V. Some problems in breeding barleys for prairie conditions. Alberta. U. Dept. Plant Sci. Seasonal Notes 38:9-10. Jan.3,1953. 64.9 AL12 Canada.

40973 KARASEV, G. M. Planting of winter cereals [wheat] in furrows in the arid districts of little snow. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:13-15. Jan.1953. 20 D742

40974 KICHIGIN, A. A. In regard to possible methods for increasing the resistance of spring grain sprouts to spring frosts. (In Russian.) Akad. Nauk SSSR. Dok. 88: 153-156. Ref. Jan.1,1953. 511 P444A

40975 KOCH, L. 2500 billion rice ears (heads) cut one by one. Rice J. 56(3):32-35. Mar.1953. 59.8 R36 In Java.

40976 KRYLOV, A. New high-yield varieties into collective farm production. (In Russian.) Kolkhoz. Proizvodstvo 13:22-24. Jan.1953. 281.8 K83 Cereals chiefly.

40977 KUPERMAN, F. M. Certain rules for plant formation and their use in selection. (In Russian.) Selek. i Semen. 19(11):12-22. Nov.1952. 61.9 Se5 Chiefly wheat.

40978 KUZ'MICHEV, M. G. Experiment in growing corn in Moscow Region. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:48-52. Oct.1952. 20 D742

40979 LAUMONNIER, R. En Anjou la production du maïs hybride de semence. Potasse 27(201):17-19. Jan. 1953. 57.8 P84

40980 LOVCHIKOV, I. S. High yield varieties of spring wheat. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:29-34. Nov.1952. 20 D742

40981 MANSSON, E. Oat varieties in South and Middle Sweden. (In Swedish.) Holmberg (Algot) Arsb. 1953:4-6. 86 H73

40982 MANSSON, E. Observations on the culture of spring grain. (In Swedish.) Holmberg (Algot) Arsb. 1953:8-11. 86 H73

40983 MARAIS, J. S. Hints on maize growing. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 29(4):11-13,15. Nov.1952. 24 T684

40984 MARIC, M. M. Étude de la génération F_1 (l'hybride vigueur) qui est le résultat du croisement de quelques variétés du maïs les plus répandues en Yougoslavie. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:339-362. Ref. 1952. 106.6 B41 French summary.

40985 MARUNO, T. Studies for the early cultivation of paddy rice and breeding method of seedlings in Tanegasima. (In Japanese.) Kyushu Noji Shikenjo 10:15-20. Sept.1952. 107.6 K996

40986 MERLI, V. Technical conservation on wheat culture. (In Italian.) Rinascita Agr. 7(24):2. Oct.15, 1952. 281.8 R47 Italy.

40987 MILN, T. E. Advances in the breeding of cereals. Scot. Farmer 61(3141):43-44. Jan.1,1953. 10 Sco8

40988 MITOME, M., HIKIDA, M., and YAKABE, S. On the correlations between the plot yields of paddy rice. (In Japanese.) Kyushu Noji Shikenjo 10:51-52. Sept.1952. 107.6 K996

40989 MORBELLO, T. Our rice regions—Milan. (In Italian.) Riso 2:22-23. Jan.1953. 59.8 R49

40990 MYERS, H. E., and THROCKMORTON, R. I. Progress in wheat research. Kans. Agr. Expt. Sta. C. 294,4 p. Jan.1953. 100 K13S

40991 NAGAMATSU, T., and KITTAKA, A. Studies on the change of leading rice varieties in the temperate zone of Japan and comparison of some characters among them. (In Japanese.) Jap. J. Breeding 2:17-19. Oct. 1952. 64.8 J27 English summary.

40992 NASTASI, V. Considerations, research, and experimentation in wheat cultivation in Eritrea. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:273-280. Oct./Dec.1952. 26 Ag82 English summary.

40993 NAVOLOTSKIĬ, A. Spring wheat, Tulun 70. (In Russian.) Kolkhoz. Proizvodstvo 12(12):55. Dec.1952. 281.8 K83

40994 NEPTUNE, G., and ROSSMAN, E. C. Cold test germination of hybrid seed corn. Mich. Agr. Expt. Sta. Q. B. 35:343-350. Ref. Feb.1953. 100 M58S

40995 NEVZOROV, V., and KOLMAKOVA, Z. New high-yield wheat variety—Tadzhikskaîa Bezostaîa 16. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:93-94. Sept.1952. 20 D742

40996 NICHOLSON, G. Oat and barley varieties recommended for 1953 sowings. Agr. Gaz. N. S. Wales 63: 631-632,668-669. Dec.1952. 23 N472

40997 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Oat variety trials. North. Ireland. Min. Agr. Mon. Agr. Rpt. 27:299-300. Feb.1953. 256.13 Ag82M

40998 OGNEV, I. Variety of winter rye, Partizanskaîa Mestnaîa. (In Russian.) Kolkhoz. Proizvodstvo 12(12):54-55. Dec.1952. 281.8 K83

40999 OLIVA, A. Present state of cereal culture in northern Italy; varieties of grain and their possibilities. (In Italian.) Genet. Agr. 3:143-153. Nov.30,1951. 450 G28 English summary.

41000 OUSTERHOUT, K., and DECKER, R. E. Corn club manual. Mich. State Col. Agr. Ext. Club B. 7, rev.,25 p. June 1952. 275.29 M58C

41001 PARK, F. J. Y. Intensive rice culture practiced in Korea, Japan, Manchuria and Okinawa. Agr. & Indus. Life 15:12-13,47. Jan.1953. 25 Ag8 Interview with M. M. Coronel.

41002 PAVEZ SAA, D. Porcentaje de polinización cruzada en el trigo en la zona austral de Chile y sus efectos en la pureza de las variedades en cultivo. Agr. Austral 20:334-336. Nov./Dec.1952. 9.3 Ag842

41003 PENDLETON, J. W., and others. 1952 Illinois corn tests; variety performance, seed treatment, rate of planting. Ill. Agr. Expt. Sta. B. 564,32 p. Jan.1953. 100 IL6S G. H. Dungan, B. Koehler, J. H. Bigger, A. L. Lang, and P. E. Johnson, joint authors.

41004 PENDLETON, J. W., and others. Spring oat varieties for Illinois. Ill. Agr. Expt. Sta. C. 704,8 p. Feb.1953. 275.29 IL62C W. M. Bever, O. T. Bonnett, G. E. McKibben, joint authors.

41005 PEREKAL'SKIĬ, F. M. High agricultural technique for summer wheat in the non-black earth belt. (In Russian.) Selek. i Semen. 19(11):66-73. Nov.1952. 61.9 Se5

41006 PETROV, P. New wheat variety, Omskaia 2078. (In Russian.) Kolkhoz. Proizvodstvo 12(12):54. Dec.1952. 281.8 K83

41007 PIELEN. Sortenversuche mit sommerweizen 1952. Landwirt. Z. der Nord-Rheinprov. 120:164-165. Feb.7,1953. 18 L2344

41008 PLAUT, M., and VENTURA, J. Summer cereal varieties in Israel. (In Hebrew.) Hassadeh 33:130-133. Dec.1952. 26 H27

41009 POPOW, G. Der anbau von körnermais im Mittelland. Grüne 81:241-242. Feb.27,1953. 17 Sch9

41010 PRUTSKOVA, M. G., and UKHANOVA, O. I. New winter wheat varieties specified for districts. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:24-26. Sept.1952. 20 D742

41011 PRUTSKOVA, M. G. Winter wheat varieties for irrigated farming. (In Russian.) Selek.i Semen. 19 (11):41-49. Nov.1952. 61.9 Se5

41012 RESULTS of 1952 tests of corn hybrids and varieties. Miss. Farm Res. [Miss. Sta.] 16:4-7. Jan. 1953. 100 M69Mi

41013 RODRIGUEZ Z., M. Estudio del cultivo del trigo bajo el punto de vista de conservación de los suelos. Simiente 22:85-91. Jan./June 1952. 9.3 Si4 Chile.

41014 ROGNER, W. Tetraroggen im versuch. Deut. Landwirt. Presse 76:33-34. Feb.7,1953. 18 D482

41015 ROSSMAN, E. C. Michigan 480—a new corn hybrid. Mich. Agr. Expt. Sta. Q. B. 35:288-293. Feb.1953. 100 M58S

41016 RYCKE, E. DE. Le maïs-grain. Cour. Hort. 15:39-41. Jan.1953. 80 C834

41017 SCHRODER. Zur sortenwahl bei hafer. Praxis u. Forsch. 5:11-13. Jan.20,1953. 18 P89 Germany.

41018 SCHRODER. Zur sortenwahl bei hafer im frühjahr 1953. Landwirtbl. Weser-Ems 100:136-137. Feb.5,1953. 18 L2345

41019 SCHRODER. Zur sortenwahl bei sommer-weizen. Landwirtbl. Weser-Ems 100:114-115. Jan.29, 1953. 18 L2345

41020 SEVERTSEV, M. S. To introduce into production a high-yield rye variety, Partizanskaia Mestnaia. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:81-82. Oct.1952. 20 D742

41021 SHANK, D. B., KRATOCHVIL, D. E., and NACHTIGAL, G. E. South Dakota corn performance tests, 1952. S. Dak. Agr. Expt. Sta. C. 97,20 p. Feb.1953. 100 So82

41022 SHAPKIN, D. N. Sorghum in the irrigated northern zone of the Main Turkmenian Canal. (In Russian.) Kormovaia Baza 4:40-43. Jan.1953. 60.8 K84
Varieties.

41023 SHEVLIAGIN, A. I. Effect of seed growing conditions on yields of spring wheat. (In Russian.) Sovet. Agron. 11:29-33. Ref. Jan.1953. 20 So84

41024 SMITH, W. E. The importance of good seed. Alberta. U. Dept. Plant Sci. Seasonal Notes 38:8-9. Jan.3,1953. 64.9 AL12
Grain.

41025 SNIDER, H. J. More light in the corn field. Hoard's Dairyman 98(5):221. Mar.10,1953. 44.8 H65
Planting.

41026 SOLOV'EV, P. I. 29.5 centners of millet per hectare. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:25-26. Jan.1953. 20 D742

41027 SPEARS, B. R., ROGERS, J. S., and MCAFEE, T. E. Corn silage studies at College Station, Temple and Tyler, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1545,5 p. Feb.8,1953. 100 T31P
Plant spacings and yields.

41028 STANTON, T. R. The adaptaion of oat varieties Natl. Oat Newslet. 3:18-22. Feb.1,1953. 59.9 N217

41029 SUPUT, M. L'influence de l'humidité du sol sur la germination et la montée des semences de céréales. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:281-296. Ref. 1952. 106.6 B41
French summary.

41030 SVINKIN, SH. B. Three-year experiment in obtaining high yields of winter and spring wheat. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:34-37. Jan.1953. 20 D742

41031 SYCHENKO, P. 27 centners of barley per hectare. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:26-28. Jan.1953. 20 D742

41032 TAKAHASHI, H., and SHIBUSAWA, U. On the spacing of low-land rice plant under direct sowing. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:1-7. May 1952. 107.6 K83
English summary.

41033 TAMURA, S., TAKAOKA, T., and SOEJIMA, S. Studies on the effect of the suppression in the non-transplanting method of rice plant. I. (In Japanese.) Kyushu Noji Shikenjo 10:11-14. Sept.1952. 107.6 K996

41034 TAMURA, S., ETO, K., and IZUMI, H. Studies on the productivity of the rice seed produced at different districts. (In Japanese.) Kyushu Noji Shikenjo 10:175. Sept.1952. 107.6 K996

41035 TELLEZ MOLINA, R. Los trigos de la Ceres Hispanica de Lagasca y Clemente. Madrid,Instituto Nacional de Investigaciones Agronómicas,1952. 516 p. 452.35 T23

41036 THIBAU, C. E. Comparative results of varieties of wheat indicated for the State of Minas. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1 (9):6-18. Sept.1952. 9.2 M663

41037 TICO, L. Podemos aumentar el rendimiento del maiz y lograr los 10.000 kg. por hectárea? Inst. Agr. Catalán de San Isidro. Rev. 102:10-13. Jan.1953. 15 Sa5

41038 TSITSIN, N. V. Certain prospective elements in the yield of grain crops. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:8-15. 1952. 451 M854
Breeding.

41039 USENKO, G. 200 poods of winter wheat per hectare. (In Russian.) Kolkhoz. Proizvodstvo 12(12):29-30. Dec.1952. 281.8 K83

41040 VALDEYRON, G. La production controlée de semences d'une variété de blé dur par la Coopérative de Semences de Tunisie. Acad. d'Agr. de France. Compt. Rend. 38:750-755. Dec.3/17,1952. 14 P215Bc
Includes discussion.

41041 WELLHAUSEN, E. J. Maices hibridos que alcanzan mejor producción. Tierra [Mexico] 8:118-120. Feb.1953. 8 T445

41042 WILTEN, W. Field experiments with spring barley varieties in 1952. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:88-95. 1953. 390.9 N21

41043 WILTEN, W. Spring barley and climate in the Netherlands. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:45-47. 1953. 390.9 N21

41044 ZAIKA, I. E. How Voĭkov Kolkhoz [in Bobrinets District, Kirovograd Region] grows a high crop of winter wheat. (In Russian.) Sovet. Agron. 10(12):82-83. Dec. 1952. 20 So84

41045 ZANNONI, I. American hybrid corn in Italian agriculture. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.) 99:10-12. Jan.1953. 16 C72

41046 ZUCCHINI, M. The next grain season. (In Italian.) Agr. Ferrarese 56:165-168. Aug.31,1952. 16 Ag87
Culture.

Fiber Crops

41047 ALVAREZ L., C. La "Sansevieria," una planta de grandes excelencias para la economia nacional y para la conservación de nuestros suelos. Lamatepec (ser.2)16:3519-3521-3522. Nov.1952. 8 L16

41048 AZIMOV, G. High yields of cotton on large areas. (In Russian.) Kolkhoz. Proizvodstvo 12(12):17-20. Dec.1952. 281.8 K83

41049 BROWN, C. Le coton égyptien en France. Feuilles Agr. 10:411-413. Oct./Dec.1952. 24 F43

41050 DARQUENNES, H. Considérations sur la germination des graines de coton dans l'Ubangi. Inst. Natl. pour l'Etude Agron.du Congo Belge. B. d'Inform. 2: 51-62. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb.1953. 24 K83

41051 DILLMAN, A. C. Classification of flax varieties, 1946. U. S. D. A. Tech. B. 1064,56 p. Ref. Feb. 1953. 1 Ag84Te

41052 EMPIRE COTTON GROWING CORPORATION. Empire Cotton Growing Corporation. London,1952. 16 p. 72.9 Em7E

41053 EMPIRE COTTON GROWING CORPORATION. Progress reports from experiment stations, season 1951-52, Kenya. London,1953. 5 p. 72.9 G79Rs

41054 EMPIRE COTTON GROWING CORPORATION. Progress reports from Experiment Stations, season 1951-52, Northern Nigeria. London,1953. 25 p. 72.9 G79Rs

41055 EMPIRE COTTON GROWING CORPORATION. Progress reports from experiment stations, season 1951-52, Queensland. London,1953. 11 p. 72.9 G79Rs

41056 EMPIRE COTTON GROWING COPORATION. Progress reports from experiment stations, season 1951-52, Southern Rhodesia. London,1953. 7 p. 72.9 G79Rs

41057 EMPIRE COTTON GROWING CORPORATION. Progress reports from experiment stations, season 1951-52, West Indies. London,1953. 17 p. 72.9 G79Rs

41058 GARRIDO, T. G., and GARCIA, P. R. Observations on growing kenaf for fiber and seed [Philippines]. Philippines. Bur. Plant Indus. Plant Indus. Digest 16:11-14. Jan.1953. 25 P544P

41059 GORSHKOV, P. A. Potentialities for increasing the productivity of hemp. (In Russian.) Sovet. Agron. 10(120):73-79. Dec.1952. 20 So84
Culture chiefly.

41060 HAARER, A. E. Potentialities of Congo jute [Urena lobata]. Jute & Gunny Rev. 4:735-737. Dec. 1952. 73.38 J983

41061 HOMURA, Y., and KAWABE, Y. Studies on the root system of ramie. II. (In Japanese.) Kyushu Noji Shikenjo 10:67-69. Sept.1952. 107.6 K996

41062 KOVDA, V. A. Factors of the grass-field crop rotation system of agriculture in irrigated cotton culture of U.S.S.R. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:235-263. Ref. 1952. 33.31 Ak13

41063 MADAGASCAR. SERV. DE RECHERCHE AGRONOMIQUE. Le cotonnier et sa culture. Rev. Internatl. des Prod. Colon. 28:32-33,35-37. Feb.1953. 286.8 R326

41064 MARANI, A. Flax growing for fibre. (In Hebrew.) Hassadeh 33:137-139. Dec.1952. 26 H27

41065 MIEGE, E. A propos de la culture du cotonnier au Maroc. Inform. Marocaine 636:1,4. Mar.21,1953. 281.8 In3

41066 MIROSHNIK, V. S. Methods for obtaining high yields of kenaf. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:17-20. Sept.1952. 20 D742

41067 OLIVE, F. R., and CANO G., J. Posibilidades del cultivo del kenaf en El Salvador. Cent. Nac. de Agron. C. Agr. 56,6 p. May 1952. 8 Sa54C

41068 OVSIENKO, V. A., and RUDNIKOVA, V. N. Experiment in growing hemp varieties ripening at different times on one farm. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:8-11. Sept.1952. 20 D742

41069 PODOZERSKII, S. Tasks of UkrNIKHI in cotton selection in connection with land irrigation in the Ukraine. (In Russian.) Khlopkovodstvo 10:41-47. Oct. 1952. 72.8 K522

41070 SILVA, R. L. DA. Cultivation of flax. (In Portuguese.) Gaz. do Agr. 4:311-313. (Cont.) Dec.1952. 24 G25

41071 SOLOMAKHA, E. M. 23.2 centners of hemp fiber per hectare. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:48-50. Nov.1952. 20 D742

41072 SMITH, H. P., and BROWN, E. C. Influence of press wheels on stands of cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1533,5 p. Jan.23,1953. 100 T31P

41073 SPARYSH, S. P. How we're producing high yields of Central-Russian hemp. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1: 9-13. Jan.1953. 20 D742

41074 SVENSON, B. G. Evolution in the American Cotton Belt with certain regard to Texas. (In Swedish.) Svensk Geog. Arsb. 28:65-89. Ref. 1952. 502 L972
English summary.

41075 TAMURA, Y. Cotton on the upper Sorocaba River. (In Portuguese.) Colheit. e Mercados 8(9/12):33-34. Sept./Dec.1952. 255.3 Sa652

41076 WARE, J. O., and HUGHES, C. East-central Arkansas cotton variety tests for 1952. Ark. Agr. Expt. Sta. Mimeog. Ser. 13,9 p. Feb.1953. 100 Ar42M

41077 WARE, J. O., and WADDLE, B. A. Southwest Arkansas cotton variety test for 1952. Ark. Agr. Expt. Sta. Mimeog. Ser. 12,6 p. Feb.1953. 100 Ar42M

41078 WILLIAMS, S. A. The 1952 cotton contest, South Carolina. Clemson Agr. Col. S. C. Ext. C. 379,23 p. Jan.1953. 275.29 So8E
The Five-Acre Cotton Contest.

41079 ZININ, T. Ways to improve the quality of machine harvested cotton and snapped cotton. (In Russian.) Khlopkovodstvo 11:35-40. Nov.1952. 72.8 K522

Forage Crops and Grasses

41080 ADAMS, M. W. Putting legumes back into the native grasslands. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:23-26. Winter 1953. 100 So82S

41081 ADOÎAN, A. R. Experiments in cultivating perennial pastures. (In Russian.) Kormovaîa Baza 3(11): 17-26. Nov.1952. 60.8 K84

41082 AHRER, K. Reine rotkleebestände oder rotkleegräser. Bauer 6(4):8-9. Jan.24,1953. 19 B32

41083 ALBERTSON, F. W., RIEGEL, A., and LAUNCHBAUGH, J. L. Effects of different intensities of clipping on short grasses in west-central Kansas. Ecology 34:1-20. Ref. Jan.1953. 410 Ec7

41084 ALLRED, B. W. Commercial value of creosotebush. Sheep & Goat Raiser 33(5):53. Feb.1953. 45.8 Sh3

41085 ALLRED, B. W. Practical grassland management. Danville,Ill.,Interstate Prtr. & Pub.,1952. 285 p. 60.1 AL5

41086 ANDERSON, K. L. Just see what they do with pastures! 5. Kans. Farmer 90(6):14-15,38-39. Mar.21, 1953. 6 K13
Pasture management in New Zealand.

41087 ANDERSON, K. L. Utilization of grasslands in the Flint Hills of Kansas. J. Range Mangt. 6:86-93. Mar.1953. 60.18 J82

41088 ARGENLIEU, G. T. D'. Le climat peut-il être un obstacle à la recherche de rendements plus élevés en herbe? B. des Engrais 348:17-19. Jan.1953. 57.8 B87

41089 AUGER, A. Travaillons à obtenir de meilleurs rendements. Terre de Chez Nous 24(52):7,23. Feb.18, 1953. 7 T27
Forage plant culture.

41090 BAÎKO, V. P., and TIKHONOV, M. S. Problem of developing stable grass and legume mixtures in the Central Chernozem Area. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriîazeva. Voprosy Travopol'noî Sistemy Zeml. 1:58-89. Ref. 1952. 33.31 Ak13

41091 BAL'IAN, G. A., and ZAKHARÎAN, V. V. Organizing enclosed pastures on the Molotov kolkhoz. (In Russian.) Kormovaîa Baza 3(12):19-20. Dec.1952. 60 K84
Cattle enclosures.

41092 BARTH, C. Ersatz für ausgefallene klee- und kleegrasschläge in Ostfriesland. Landwirtbl. Weser Ems 100:281-282. Mar.12,1953. 18 L2345

41093 BATES, E. M. All-grass farming in Taranaki. New Zeal. J. Agr. 86:2-5,7,9. Jan.15,1953. 23 N48J
Pasture management and grazing methods.

41094 BAUR, M. Der anbau der luzerne. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:297-298. Feb.19, 1953. 18 L2346

41095 BELOGLAZOV, B. M. Improving natural hayfields in mountainous Dagestan. (In Russian.) Kormovaîa Baza 3(10):19-21. Oct.1952. 60.8 K84

41096 BELOUSOV, M. A. Problem in developing stable grass and legume mixtures under conditions of cotton culture in Middle Asia. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriîazeva. Voprosy Travopol'noî Sistemy Zeml. 1:279-290. 1952. 33.31 Ak13

41097 BENNETT, H. W., and EASLEY, O. W. Harvesting Dallis grass [Paspalum dilatatum] seed. Miss. Agr. Expt. Sta. Inform. Sheet 472,2 p. June 1952. 100 M69In

41098 BENTHIEN, A. Lewis County [Washington] sets its sights on more and better grassland. 36(2):3,6. Jan. 26,1953. 275.293 N81

41099 BEZUMOV, F. A., and PREOBRAZHENSKII, B. V. Utilization of pastures on a reindeer raising collective farm. (In Russian.) Sotsialist. Zhivotnovod. 14 (12):76-79. 1952. 49 So71

41100 BIDDISCOMBE, E. F. A survey of the natural pastures of the Trangie District, New South Wales, with particular reference to the grazing factor. Austral. J. Agr. Res. 4:1-28. Ref. Jan.1953. 23 Au783

41101 BOERGER, A. Adaptación de Trifolium subterraneum al ambiente productivo del Uruguay. Phyton [Buenos Aires] 2:75-86. Dec.1952. 450 P567

41102 BOULET, L. J. L'agriculture herbagère intensive. (Extr.) Terre de Chez Nous 25:9,18. (Cont.) Feb.25,1953. 7 T27

41103 BROKAMP. Sommerrotklee und sommerrotklee-grasgemenge als zwischenfrucht. Landwirtbl. Weser-Ems 100:220-221. Feb.26,1953. 18 L2345

41104 BROKAMP. Zur bewirtschaftung des grünlandes einschl. der standweiden. Landwirtbl. Weser-Ems 100:83-84. Jan.22,1953. 18 L2345

41105 BROUGHAM, R. W. With short-rotation ryegrass, a seeding of 15 lbs per acre plus clovers can give very satisfactory results. (Sum.) New Zeal. Dairy Exporter 28(7):37,39. Jan.1,1953. 44.8 N484

41106 BRUNNER. Welche klee-grasmischungen sind für uns geeignet? Württemb. Wchnbl. f. Landwirt. 120:193-194. (Cont.) Feb.21,1953. 18 W96

41107 BUDDE. Reserven im grünland. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:833-834. May 29, 1952. 18 L2346

41108 BUELENS, H. L'accroissement de la rentabilité par l'amélioration de la culture herbagére. Agriculteur 57(7):5-6,8. Feb.15,1953. 13 B63P

41109 BUKAREV, V. M., and NEVZOROV, V. V. Forage resources from crops of dry farming in Tadzhikistan. (In Russian.) Kormovaîa Baza 4:13-17. Jan. 1953. 60.8 K84

41110 CALLANTINE, E. J. Purple prairieclover (Petalestemon purpureus). S. Dak. Stockgrower 7:8. Feb. 15,1953. 49 So84

41111 CALVINO, M. Plantas forrajeras tropicales y subtropicales. México,Trucco,1952. 269 p. 60 C13

41112 CALZECCHI-ONESTI, A. Cicer arietinum, L. (In Italian.) Italia Agr. 90:35-39. Jan.1953. 16 It1

41113 CANDIOLI, P. Soil livestock carrying capacity and production. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:17-18. Jan.1953. 16 C72

41114 CAROLIS, V. DE. Ladino clover. (In Italian.) Gior. di Agr. 63:53. Feb.15,1953. 16 It1G
Italy.

41115 CHAMBLEE, D. S. King Cotton gets a rival. Breeder-Stockman 14(10):10-11. Mar.1953. 49 V81
Alfalfa.

41116 CHEBOTAEV, N. F. Sweet potato-prospective forage crop for irrigated regions. (In Russian.) Kormovaîa Baza 3(12):31-34. Dec.1952. 60 K84

41117 CHILDERS, L. E. High quality forage makes good silage. Better Farming Methods 25(2):40,42-43. Feb.1953. 58.8 B46

41118 CHRISTENSEN, N. A. Experiments with seed crops. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:72-80. 1953. 11 B45
Forage plants.

41119 CONNOR, H. E., and COOK, A. B. Note on the breeding system of Dichelachne crinita (Linn.f.) Hook.f. in New Zealand. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:369-371. Dec.1952. 514 N48A

41120 DEAMBROSIS, J. R. La renovación de las pasturas permanentes puede duplicar la capacidad productiva de un campo. Uruguay. Min. de Ganad. y Agr. B. Inform.9(448):8-9. Dec.31,1952. 9.9 G15B

41121 DEBECK, H. K. Eliminating excess horses in British Columbia. J. Range Mangt. 6:132-133. Mar. 1953. 60.18 J82
Grazing situation in Canada.

41122 DEM'ÎANCHIK, B. I. Marsh grass-a valuable forage plant. (In Russian.) Kormovaîa Baza 4:23-27. Jan.1953. 60.8 K84

41123 DÎÂ-IM, TS. How we obtained 149.6 centners of alfalfa hay per hectare. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:45-47. Nov. 1952. 20 D742

41124 ĐORĐEVIC, V. Đ. A contribution to the study of grassland and meadowland flora of Taor. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:65-73. 1952. 106.6 B41
English summary.

41125 DOUGHERTY, J. L. African grasses prove adaptable on United States farms. Seed World 72(5):14, 55. Mar.6,1953. 61.8 Se52

41126 DURELL, J., COLLINS, F., and MITCHELL, A. Farmers like Bicolor lespedeza. Ky. Happy Hunting Ground 8(6):8-9. Nov.1952. 409.78 K41

41127 ELSUKOV, M. P., and TÎUTÎUNNIKOV, A. I. Volunteer growth of Sorghum vulgare sudanensis, "Mogar" and Setaria italica. (In Russian.) Kormovaîa Baza 3(11):27-34. Nov.1952. 60.8 K84

41128 EREMIN, G. P. From the work of the All-Union Scientific-Research Institute of Feeds named after V. R. Vil'îams. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:19-26. Dec.1952. 20 D742
Forage plants culture chiefly.

41129 FEDTKE. Saftfutterbeschaffung und maisanbau. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:433-434. Mar.12,1953. 18 L2346

41130 FIDDIAN, W. E. H. Fodder beet—but which? Farmers Wk. [London] 38(10):78-79. Mar.6,1953. 10 F2226

41131 FIEBIG. Wiesen-, weiden-fragebogen! Bad. Landwirt. Wchnbl. 120:163-164. Feb.14,1953. 18 B142

41132 FOWLER, B . A new pasture every day. Farm J. 77(3):59,104,106. Mar.1953. 6 F2212
Daily ration grazing in pasture management.

41133 FRANCE, A. Der vorfruchtwert des kleeschlages. Deut. Landwirt.-Gesell. Mitt. 68:78-79. Jan. 22,1953. 18 N39

41134 GARCIA-MOLINARI, O. Grasslands and grasses of Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. B. 102,167 p. Ref. Aug.1952. 100 P83

41135 GARRISON, G. A. Annual fluctuation in production of some eastern Oregon and Washington shrubs. J. Range Mangt. 6:117-121. Mar.1953. 60.18 J82

41136 GASKIN, B. Pasture improvement on New England tablelands. Rur. Life, Dec.1952:5,9. 281.28 R884
Australia.

41137 GAUDIO, S. DEL. Selection of the fenugreek (Trigonella foenum-graecum L.) (In Italian.) Ann. della Sper. Agr. (n.s.)7:17-30. 1953. 16 An76
English summary.

41138 GETMANOV, ÍA. ÍA. Sowing meadows on arctic [region] sovkhozes in Komi ASSR. (In Russian.) Kormovaîa Baza 3(10):23-24. Oct.1952. 60.8 K84

41139 GORSHKOVA, A. A., and SEMENOVA-TÍAN-SHANSKAÍA, A. M. Northward advance of plants of the southern steppes and of semiarid areas through pasture influence. (In Russian.) Bot. Zhur. 37:671-678. Ref. Sept./Oct.1952. 451 R923

41140 GRANDFIELD, C. O., and FRANKLIN, W. W. Alfalfa seed production in Kansas. Kans. Agr. Expt. Sta. C. 290,28 p. Ref. Nov.1952. 100 K13S

41141 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Crops for silage. Gt. Brit. Min. Agr. & Fisheries Adv. L. 402,7 p. Dec.1952. 10 G79La

41142 GUINEA, E. Unas notas sobre el "Paspalum dilatatum." Agricultura [Madrid] 22(249):15-19. Jan. 1953. 15 Ag84

41143 GUTIN, N. G. Experiment in stubble and late-summer planting of red clover and timothy. (In Russian.) Vsesoîuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 18(11):16-20. 1952. 20 Ak1

41144 GYNN, G. Better grass, better stock. Farmer & Stock-Breeder 67(3304):62-63. Feb.17,1953. 10 F228
Pasture management.

41145 HABERL, H. Sommerungen früh bauen! Bauer 6(6):4. Feb.7,1953. 19 B32
Austria.

41146 HALLS, L. K., SOUTHWELL, B. L., and KNOX, F. E. Burning and grazing in Coastal Plain forests; a study of vegetation and cattle responses to burning frequency in longleaf-slash pine forests of Georgia. Ga. Coastal Plain Expt. Sta. B. 51,33 p. Ref. Nov.1952. 100 G292

41147 HARBOR, D. Better pastures in Dixie: Mother Nature sets the stage. I. Farm & Ranch—South.Agr. Upper So. Ed. 83(3):16. Mar.1953. 6 T31

41148 HAUSSMANN, G. Italian Ladino abroad. (In Italian.) Gior. di Agr. 63:61. Feb.22,1953. 16 It1G

41149 HEIM, B. Red clover that lasts. Country Gent. 123(3):109. Mar.1953. 6 C833
Kenland red clover.

41150 HERFORTH. Zum anbau von gräsern für samen- und futtergewinnung. Landwirtbl. Weser-Ems 100:219-220. Feb.26,1953. 18 L2345

41151 HIRSCH, H. Reviews seed crop conditions in Nebraska. Seed Trade News 60(8):1-4. Feb.25,1953. 61.8 Se3
Forage crops.

41152 HODGSON, R. E. How dairymen can improve the quality and productivity of their pastures. U. S. Bur. Dairy Indus. BDI-Inf-147,9 p. Feb.1953. 1.973 D4B34

41153 HOLT, E. C., and VAVRA, F. L. Grass strain tests near College Station, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1524,5 p. Jan.2,1953. 100 T31P

41154 HORN. Weideertragsfeststellungen mit berücksichtigung der grundwasserstände. Landwirtbl. Weser Ems 100:284-285. Mar.12,1953. 18 L2345

41155 HUSEMANN, C., and GALENSA. Erfahrungen mit mehrjährigen kleegrasschlägen in infeld 1951/52. Landwirtbl. Weser Ems 100:285-287. Mar.12,1953. 18 L2345

41156 HUSEMANN, C. Hindernisse bei der produktionsankurbelung in den nordwestdeutschen grünlandgebieten. Deut. Landwirt.-Gesell. Mitt. 68:152-154. Feb.12,1953. 18 M39

41157 HUSEMANN, C. Zur bewertung und bewirtschaftung sogen. grünlandböden. 2. Den ertragsbedingungen angepasste nutzungsweise des dauergrünlandes. Landwirtbl. Weser-Ems 100:160-162. Feb.12,1953. 18 L2345

41158 HYDER, D. N. Grazing capacity as related to range condition. J. Forestry 51:206. Mar.1953. 99.8 F768

41159 JOHNSON, I. J. New developments in crop breeding. Better Farming Methods 25(3):11-13. Mar. 1953. 58.8 B46
Forage plants.

41160 KARUNIN, B. A. Autumn-winter care of crop of perennial grasses. (In Russian.) Kormovaîa Baza 3 (10):25-27. Oct.1952. 60.8 K84

41161 KELTON, E. Do sheep ruin the range? Soil & Water Mag. 2:8-9. Jan.1953. 54.8 So3

41162 KENNEDY, W. K., and JOHNSON, C. M. How to keep a Ladino-grass pasture. Amer. Agr. 150:137, 172. Mar.7,1953. 6 Am3
Grass mixtures, and fertilizers needed.

41163 KENNERLY, A. B. The quick come-back grass [Pennisetum ciliare]. South. Seedsman 16(3):19, 63. Mar.1953. 61.8 So8

41164 KLAPP, E. Erhöhung und erhaltung des heufutterwertes. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:831-832. May 29,1952. 18 L2346
Chiefly culture.

41165 KOĬNOV, P. I. Forage procurement brigade strengthens the forage base. (In Russian.) Kormovaîa Baza 4:8-12. Jan.1953. 60.8 K84

41166 KOLOSOVA, A. V., and TARABRINA, E. A. Accumulation of root remainders under different methods of using a planted meadow. (In Russian.) Kormovaîa Baza 4:27-31. Jan.1953. 60.8 K84

41167 KONIG, G. Gräser und leguminosen-grasgemenge im feldfutterbau. Landwirtbl. Weser-Ems 100: 250-252. Mar.5,1953. 18 L2345

41168 KORNEV, V. P. Sorghum-Johnson grass hybrid on the sands and sandy soils of the Middle Don. (In Russian.) Les i Step' 4(10):19-22. Oct.1952. 99.8 L565
Culture chiefly.

41169 KOVAKINA, V. A. Wintering of certain grasses in the extreme North. (In Russian.) Bot. Zhur. 37:694-698. Ref. Sept./Oct.1952. 451 R923

41170 KRASÍÙKOV, P. A. Seed production of couch grass without rhizomes under conditions of irrigated and non-irrigated agriculture. (In Russian.) Sovet. Agron. 11:67-69. Jan.1953. 20 So84

41171 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 6(2):9;(3):9;(5):10;(7):14; (8):8. Jan.16-23,Feb.6,20-27,1953. 18 B324
Germany.

41172 KRESS, H. Die auffindung einer kurzhaarigen, alkaloidfreien, platzfesten, weisssamigen, frohwüchsigen, gelben lupine. Züchter 22(10/11):337-338. 1952. 442.8 Z8

41173 KRIPP, H. VÖN. Grünlandwirtschaft des kaninchenzüchters. Osterr. Kleintierzüchter 8:17-18. (Cont.) Feb.1953. 49 Os7

41174 KSENOKRATOV, S. A. Alfalfa in Latvia. (In Russian.) Kormovaîa Baza 3(11):59. Nov.1952. 60.8 K84

41175 KUKHARCHUK, V. V. Succession of green pastures for sheep of the steppe area of Northern Caucasus. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:51-57. Nov.1952. 20 D742

41176 KUPPERS, G. A. Wird die topinambur ihr examen bestehen? Saatgut-Wirt. 5:8-9. Jan.1953. 61.8 Sa1
Culture for feed.

41177 LARIN, I. V., and SHIRNINA, M. F. Biological and agricultural characteristics of alfalfa in the Leningrad Region. (In Russian.) Kormovaîa Baza 4:60-61. Jan.1953. 60.8 K84

41178 LATHROPE, H. R. What's new in crop husbandry. Better Farming Methods 25(3):39-40. Mar.1953. 58.8 B46
Forage plants.

41179 LEDENT. Un plan de cultures fourragères pour 1953. Sillon Belge 23(545):1,8 (Cont.) Jan.31, 1953. 13 Si3

41180 LUKASHEV, A. A., and KASHIRINA, A. V. Experiments in growing perennial grasses in the dry and arid steppes of Kazakhstan. (In Russian.) Kormovaîa Baza 3(12):14-18. Dec.1952. 60 K84

41181 LUK'ÎANENKO, ÎA. Experiment in increasing yields of perennial legumes and grasses. (In Russian.) Kolkhoz. Proizvodstvo 12(12):20-21. Dec.1952. 281.8 K83

41182 LUTZ, M. Schadet das beweiden der wiesen im frühjahr? Württemb. Wchnbl. f. Landwirt. 120:41-43. Jan.10,1953. 18 W96

41183 MCCLOUD, D. E., and MOTT, G. O. Influence of association upon the forage yield of legume-grass mixtures. Agron. J. 45:61-65. Feb.1953. 4 Am34P

41184 MCVICKER, M. The New England Green Pastures Program. Pacific Nowest. Fert. Conf. Proc. 2:115-118. 1951. 57.9 P11

41185 MAIOROV, D. M. Lupine plantings on the fields of crop rotations in Belorussian SSR. (In Russian.) Sovet. Agron. 11:34-36. Jan.1953. 20 So84

41186 MARCHENKO, I. I. Experiment in growing hybrids of Jerusalem artichoke and sunflower on the state farms of Ukrainian SSR. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:53-55. Dec.1952. 20 D742
Forage plants.

41187 MAUER, T. C. Sericea [Lespedeza] is a good drought crop. Better Crops Plant Food 37(2):21-22,42-43. Feb.1953. 6 B46

41188 MOKHNATKIN, I. P., GUPALO, P. I., and SAVCHENIUK, D. M. Seed yields of one-crop clover on plots of second year use. (In Russian.) Sovet. Agron. 10(12):34-37. Dec.1952. 20 So84

41189 MOORE, L. H., and SHEPHERD, J. B. Harvesting and preserving forages. Certif. Milk 28(2):11-12,17-18. Feb.1953. 44.8 C33
Includes hay drying and silage preparation.

41190 MOTTA, M. S. Panicum maximum. Empire J. Expt. Agr. 21:33-41. Ref. Jan.1953. 10 Em7

41191 MUNSELL, R. I. Legume-grass seedings. Conn. Agr. Col. Ext. B. 442,10 p. Feb.1953. 275.29 C76B

41192 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. SEED PRODUCTION COMMITTEE. Herbage seed production. Natl. Inst. Agr. Bot. Seed Notes 44,13 p. Jan.1953. 61.9 N21S

41193 NICHOLSON, A. H. From rough grazing to green swards; a determined onslaught by plough, fertilizer and seed is transforming the high Welsh hills. Farmer & Stock-Breeder 67(3305):74-75. Feb.24,1953. 10 F228

41194 NIEHAUS, H., and STUTE, K. Topinambur-kraut. Deut. Kleintier-Züchter 8(1):4-5. (Concl.) Jan.5, 1953. 49 D483

41195 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Laying down land to grass. I. Species and strains of grasses. North. Ireland. Min. Agr. Mon. Agr. Rpt. 27:291-296. Feb.1953. 256.13 Ag82M

41196 OSIPOV, O. B., and CHITCHÂN, G. A. Adding Sorghum vulgare sudanensis [to pastures] in the Azerbaidzhan SSR. (In Russian.) Kormovaîa Baza 3(11):60-61. Nov.1952. 60.8 K84

41197 PAINE, K. E. This is the right way to start your grassland seedings. East. States Coop. 29(3):8-10. Mar.1953. 280.28 Ea7

41198 THE PASTURE mixture we like best. Hoard's Dairyman 98:168-170,186-187. Feb.25,1953. 44.8 H65

41199 PENNY, J. R., and CLAWSON, M. Administration of grazing districts. Land Econ. 29:23-34. Feb. 1953. 282.8 J82

41200 PETERSON, R. A. Comparative effect of seed treatments upon seedling emergence in seven browse species. U. S. Forest Serv. North. Rocky Mountian Forest & Range Expt. Sta. Res. Note 114,11 p. Jan.1953. 1.9622 N3R31

41201 PREUSCHEN, G. Die natürliche grünfuttertrocknung. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:20-23. 1953. 18 K96

41202 REBISCHUNG, J., and others. Comportement de deux espèces de Graminées fourragères exploitées suivant des rythmes différents. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:473-506. July/Sept.1952. 14 F8499A
L. Félix, M. Thomas, Y. Demarly and M. Kerguelen, joint authors.
Dactylis glomerata and Arrhenatherum elatius.

41203 RENIUS, W. Mehr sicherheit und ertrag im rotkleeanbau. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1344,1346. Aug.28,1952. 18 L2346

41204 REYNOLDS, E. B. Yield and nitrogen content of legumes at College Station, 1937-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1537,3 p. Jan.26,1953. 100 T31P

41205 ROBOCKER, W. C., CURTIS, J. T., and AHLGREN, H. L. Some factors affecting emergence and establishment of native grass seedlings in Wisconsin. Ecology 34:194-199. Ref. Jan.1953. 410 Ec7

41206 RYCKE, E. DE. Remplacement du fourrage vert détruit par les souris en Ardennes. Cour. Hort. 15:26. Jan.1953. 80 C834
Varieties to plant.

41207 SAWYER, K. W. Oregon grasslands program. Oreg. Seed Growers League Proc. 11:67,69,71. 1952. 61.9 Or3

41208 SAWYER, K. W. Portland Chamber of Commerce grassland program. Pacific Nowest. Fert. Conf. Proc. 2:105-110. 1951. 57.9 P11

41209 SCHARF, J. Grünlandpflege. Landwirt. Wchnbl. 143:225-226. Feb.21,1953. 18 L2338

41210 SCHMIDT, F. Massnahmen bei völligem versagen der kleebestände. Bad. Landwirt. Wchnbl. 120:229-230. Mar.7,1953. 18 B142

41211 SCHOPFLOCHER, R. Las praderas naturales. Chacra 23(267):10-11,73. Feb.1953. 9 C34

41212 SCHOTH, H. A. The grassland program—its place in Pacific Northwest agriculture. (Sum.) Pacific Nowest. Fert. Conf. Proc. 2:63-64. 1951. 57.9 P11

41213 SCHUMACHER, C. M. A barometer of range conditions. V. Sand dropseed [Sporobolus cryptandrus]. Nebr. Cattleman 9(7):58,60. Mar.1953. 43.8 N27

41214 SCHWERDTFEGER. Futtersaaten im frühjahr 1953. Hannoversche Land- u. Forstwirt. Ztg. 106:190, 192. Feb.14,1953. 18 H194

41215 SEARS, P. D. The improvement of dairy pastures. Massey Agr. Col. Dairyfarming Annu. 1952: 27,29,31,33-37,39,41,43. 44.9 M382
New Zealand.
Includes discussion.

41216 SHAIN, S. S. Distribution of components and norms for seeded meadows and pastures in sowing grass and legume mixtures. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:34-37. Nov.1952. 20 D742

41217 SHAIN, S. S. On methods of estimating grass and legume stands. (In Russian.) Sovet. Agron. 11:56-61. Jan.1953. 20 So84

41218 SHAIN, S. S. Should red clover be planted in pellets. (In Russian.) Kormovaîa Baza 3(12):26-30. Dec. 1952. 60 K84

41219 SHANNON, J. L. Some possibilities of tropical kudzu in Trinidad and Tobago. Agr. Soc. Trinidad & Tobago J. 52:331, 333-335. Sept.1952. 8 T73

41220 SHEVCHUK, I. P. Master reapers of large crops of sainfoin seeds. (In Russian.) Kormovaîa Baza 4:37-39. Jan.1953. 60.8 K84

41221 SHIER, F. L. Barrel clover [Medicago tribuloides]: some encouraging results at Salmon Gums. West. Austral. Dept. Agr. J. (ser.3)1:785-787. Nov./Dec.1952. 23 W52J

41222 SHIER, F. L. The regeneration and maintenance of Wimmera ryegrass [Lolium] pastures under saline soil conditions. West. Austral. Dept. Agr. J. (ser.3)1:781-784. Nov./Dec.1952. 23 W52J

41223 SHOR, H. Natural pasture in the Kishon and mountains of Ephraim districts. (In Hebrew.) Hassadeh 33:161-164. Dec.1952. 26 H27

41224 SHPAKOVSKIĬ, V. A. Pigeon pea—new for Uzbekistan a subtropical legume. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:78-81. Oct.1952. 20 D742

41225 SIDERI, D. I., and IVUSHKIN, I. F. Increasing the crop of perennial grasses in the Donets Basin. (In Russian.) Kormovaîa Baza 3(12):21-25. Dec.1952. 60 K84

41226 SIEBENGA, H. Estimation and use of grasslands. (In Dutch.) Ons Friese Platteland 7(304):6. Jan. 21,1953. 12 On72

41227 SIMON. Luzerne in der fruchtfolge. Landwirt. Wchnbl. 143:190,193. Feb.14,1953. 18 L2338

41228 SIMON. Quatre années d'exploitation herbagère intensive à la Ferme Expérimentale de Herve. Soc. Cent. d'Agr. de Belg. J. (n.s.)1(4),32 p. 1951/52. 13 So1
Includes discussion.

41229 SIMPSON, M. Value of the awn in establishing seed of Danthonia penicillata (Labill.) Palisot. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:360-364. Dec. 1952. 514 N48A

41230 SIVOKON', S. M. Karakul sheep-raising state farms of Astrakhan Region in the effort to organize a stable feed supply base. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):24-25. Nov./Dec.1952. 49 K14
Forage crop culture chiefly.

41231 SMALCELJ, I. Gourd (Cucurbita pepo L. var. mellopepo, Heyek) as livestock feed. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:673-686. Ref. 1952. 41.8 V6494
English summary.

41232 SMITH, C. S. Row-crop grazing. Farmers Wk. [London] 38(9):66-68. Feb.27,1953. 10 F2226
Controlled grazing with the use of an electric fence.

41233 SMITH, L. F., and BLOUNT, C. L. Grazing study shows value of woodland forage in south Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 478,2 p. Nov. 1952. 100 M69In

41234 SMITH, O. E., and HOLT, E. C. Forage crop variety tests at Prairie View, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1532,3 p. Jan.22,1953. 100 T31P

41235 STAEHLER, H. Portionsweide besser als umtriebsweide? Deut. Landwirt. Presse 76:2-3. Jan. 10,1953. 18 D482
Dairy cattle.

41236 STEVENSON, B. More about buffel grass [Pennisetum ciliare]. Prog. Farmer, Tex. Ed. 68(3):19, 24. Mar.1953. 6 T311

41237 STØRMER, P. Agrostis gigantea Roth. (In Norwegian.) Blyttia 10:73-76. 1952. 450 B622
English summary.

41238 SVENSTRUP, J. K. Planting grass without nurse crop. (In Danish.) Dansk Landbr. 72:72-73. Feb. 5,1953. 280.28 V91

41239 TANTZEN, J. Grünlandmarsch intensiv oder extensiv? Landwirtbl. Weser-Ems 99:29-30. Jan.10,, 1952. 18 L2345

41240 TAVBERIDZE, I. A. Uniola shaped hornstone—a forage plant. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:112-114. 1952. 451 M854
Ceratachloa unioloides.

41241 TESAR, M. B. Band seeding for better legume stands. Mich. Farmer 219:269,298. Mar.21,1953. 6 M58

41242 TESAR, M. B. Make mine Piper [sudangrass]. Mich. Farmer 219(4):149,171. Feb.21,1953. 6 M58

41243 TESAR, M. B. Red clover varieties for Michigan. Mich. Agr. Expt. Sta. Q. B. 35:351-358. Feb.1953. 100 M58S

41244 THOMPSON, W. R. Good pastures or just pastures? Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68(3):24, 184. Mar.1953. 6 P945K
Management.

41245 TIKHONOV, M. S. Alfalfa, Stepnaîa 600. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:27-29. Sept.1952. 20 D742

41246 TISHCHENKO, A. N. Productivity of crops which are part of the green forage composite. (In Russian.) Kormovaîa Baza 3(10):58-59. Oct.1952. 60.8 K84

41247 TRUSHKOVSKIĬ, A. A. Sands of the arid Volga shore as a pasture resource and an estimate of the natural growth upon the sands. (In Russian.) Bot. Zhur. 37 (6):773-780. Nov./Dec.1952. 451 R923

41248 VIZCARRA FANO, A. G. El problema del kikuyo o pasto africano en el departamento de Apurimac. Vida Agr. [Lima] 29:1107,1109,1111-1112. Dec.1952. 9.8 V66

41249 VOISIN, A. La rotation des herbages. Rev. de l'Élevage 8:140-143. Feb.1953. 49 B462

41250 VRIES, D. M. DE. Our grassland and its history. (In Dutch.) Levende Nat. 56:5-12. (Cont.) Jan. 1953. 410 L57

41251 VYTCHIKOV, A. Methods of increasing the productivity of forage root crops. (In Russian.) Kolkhoz. Proizvodstvo 12(12):24-25. Dec.1952. 281.8 K83

41252 WACKER, H. Futterpflanzen für die künstliche trocknung. Landwirtbl. Weser-Ems 100:254-255. Mar. 5,1953. 18 L2345

41253 WALKER, E. D., and HACKLEMAN, J. C. 5 steps in pasture improvement. Ill. Agr. Expt. Sta. C. 703,15 p. Nov.1952. 275.29 IL62C

41254 WASHKO, J. B., EDGE, J. L., and HASKINS, A. L. Grazing small grains. Pa. Agr. Expt. Sta. B. 540(sup.3):5,10. June 1952. 100 P381

41255 WEHNER. Betriebswirtsch. auswirkungen bei grünlandertragsteigerung. Landwirtbl. Weser-Ems 100: 225-226. Feb.26,1953. 18 L2345

41256 WEHNER. Betriebswirtsch. auswirkungen bei grünlandertragssteigerung. Landwirtbl. Weser-Ems 100: 249. Mar.5,1953. 18 L2345

41257 WHITMAN, W. C. Utilization of native grass in western North Dakota. N. Dak. Agr. Expt. Sta. Bimon. B. 15:101-105. Jan./Feb.1953. 100 N813B
Varieties, forage yield, and grazing management.

41258 WHYTE, R. O. Legumes in tropical agriculture. World Crops 5:101-104. Mar.1953. 281.8 W892

41259 WRAAE-JENSEN, H. Experiments with seed crops 1951. 2. (In Danish.) Dansk Frøavl 35:85-97. Apr.1,1952. 61.8 D23
Forage plants.

41260 ZIJP, M. J. Some consequences of the different grassland management practices to the breeder of grasses and clovers. (In Dutch.) Euphytica 2:62-71. Feb.1953. 450 Eu6
English summary.

Oil Crops

41261 CALLAND, J. W. Variety research returns 2600% ! Soybean Digest 13(3):14-15. Jan.1953. 60.38 So9

41262 FROLOV, P. V. Method of obtaining high yields of rape. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:26-28. Dec.1952. 20 D742

41263 FROLOV, P. V. New varieties of oil crops. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:37-44. Oct.1952. 20 D742

41264 FUNCHESS, M. J. Palatability of plants as influenced by soil treatment and variety differences. Better Crops Plant Food 37(2):15-16,44-46. Feb.1953. 6 B46
Chiefly peanuts for swine.

41265 GORDIENKO, V. A., KARACHAN, V. A., and MATLIS, S. IA. Experiments in growing and processing crambe in Moldavia. (In Russian.) Masl.-Zhir. Promysh. 17(11):7-8. Nov.1952. 307.8 M37

41266 IMAMURA, M., and YAMADA, T. On the breeding of rape plant. (In Japanese.) Kyushu Noji Shikenjo 10: 64-66. Sept.1952. 107.6 K996

41267 ISIP, I. N. Autumn planting of sunflower. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk.Khoz. 11:44-45. Nov.1952. 20 D742

41268 LAMBERT, J. W. Narrow rows mean higher soybean yields. Minn. Farm & Home Sci. [Minn. Sta.] 10(2):8,11. Feb.1953. 100 M668

41269 LARROQUE, P. Action d'ensemble en vue d'une étude générale des ricins. Oléagineux 8:125-129. (Cont.) Mar.1953. 77.8 OL2

41270 MCGREGOR, W. G. Varieties of linseed flax. Canada. Dept. Agr. P. 884,4 p. Jan.1953. 7 C16pu

41271 MALLARD, R. P. The sunflower and its culture. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(8):59-63. Aug.1952. 9.2 M663

41272 NISHIMURA, S., and KATSUMATA, H. Studies on the peanut breeding. I. (In Japanese.) Jap. J. Breeding 2:37-41. Oct.1952. 64.8 J27
English summary.

41273 PELLETT, K. Eastern Kansas, western Missouri, northeastern Oklahoma: soybeans are going West. Soybean Digest 13(3):16-18. Jan.1953. 60.38 So9

41274 PITANGUI, J. F. General instructions for castorbean culture. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(8):51-53. Aug.1952. 9.2 M663

41275 SILVA, J. G. DA. Manual and mechanized harvesting of soybeans. (In Portuguese.) Colheit. e Mercados 8(9/12):23-27. Sept./Dec.1952. 255.3 Sa652

Sugar Crops

41276 AGNIHOTRI, C. B. Effect of different dates of germination on growth and quality of sugar cane. Sugar Technol. Assoc. India. Proc. 21:95-98. 1952. 65.9 Su33P

41277 AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS. Proceedings of seventh general meeting, 1952. Ft. Collins,1952. 809 p. 66.9 Am35

41278 ARMER, A. Comparative yields from hand and mechanically thinned fields. Spreckels Sugar Beet B. 17:2-3. Jan./Feb.1953. 66.8 Sp7

41279 BAUSERMAN, H. M., and DOXTATOR, C. W. The value of the beet top crop. Amer. Soc. Sugar Beet Technol. Proc. 7:290-294. 1952. 66.9 Am35

41280 BROWN, R. J., and WOOD, R. R. Improvement of processing quality of sugar beets by breeding methods. Amer. Soc. Sugar Beet Technol. Proc. 7:314-318. 1952. 66.9 Am35

41281 BRYKCZYŃSKI, J. The problem of localizing sugar-beet varieties. (In Polish.) Rocz. Nauk Roln.60: 95-118. Ref. 1952. 20.5 R59
English summary.

41282 BURTCH, L. Are single beets necessary? Spreckels Sugar Beet B. 17:4-5. Jan./Feb.1953. 66.8 Sp7

41283 BUZANOV, I. F. Ways of increasing the sugar content of sugar beets. (In Russian.) Agrobiologiîa 6:130-136. Nov./Dec.1952. 20 Ag822
Culture.

41284 CALVO SANDINO, B. En defensa del cultivo de remolacha azucarera. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 55:17-18. Dec.1952. 15 Sa7

41285 CAROLIS, V. DE. A hundred and more quintals of sugar per hectare. (In Italian.) Gior. di Agr. 63:57. Feb.22,1953. 16 It1G
Sugar beet culture in Italy.

41286 CASAS BRICEÑO, G. Más variedades de caña de azúcar. Agr. Venezol. 17(157):26-27. Nov.1952. 9.95 Ag8

41287 DAHLBERG, H. W. Research work in sugar beet breeding. Amer. Soc. Sugar Beet Technol. Proc. 7: 10-14. 1952. 66.9 Am35

41288 FIFE, J. M., and PRICE, C. An improved method for packing sugar beet roots to be stored for breeding purposes. Amer. Soc. Sugar Beet Technol. Proc. 7:477-481. 1952. 66.9 Am35

41289 GASKILL, J. O. Progress report on breeding for storage-rot resistance in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:396-399. 1952. 66.9 Am35

41290 GNATENKO, M., and AREF'EV, T. 375 centners of sugar beets per hectare on the entire planted area. (In Russian.) Kolkhoz. Proizvodstvo 13:28-29. Jan.1953. 281.8 K83

41291 HABEKOVIC, M. Sugar beets for livestock. (In Serbo-Croatian.) Biljna Proizvodnja 5:267-272. Nov./Dec.1952. 64.8 B49

41292 HAWAIIAN SUGAR PLANTERS' ASSOCIATION. Annual report, 1952. Honolulu,1952. 14 p. 65.9 H314A

41293 HENDRIKSEN, A. J. T. The use of some correlations in beet breeding. Euphytica 2:1-5. Feb.1953 450 Eu6

41294 HUNTER, A. S., and YUNGEN, J. A. The responses of sugar beets to fertilizers, spacing, and irrigation on eastern Oregon soils. Amer. Soc. Sugar Beet Technol. Proc. 7:180-188. 1952. 66.9 Am35

41295 JOHNSON, R. T. A comparison between corn and sugar beet breeding methods. Amer. Soc. Sugar Beet Technol. Proc. 7:296-306. Ref. 1952. 66.9 Am35

41296 KLOOR, L. A. Technique of coloring sugar beet seed for treatment identification. Amer. Soc. Sugar Beet Technol. Proc. 7:609-610. 1952. 66.9 Am35

41297 KNOEFEL. Dreijährige zuckerrüben-saat- und -pflegeversuche. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:435. Mar.12,1953. 18 L2346

41298 KOFOED, A. D. Experiments with factory beets and feed sugar beets. (In Danish.) Beret. om Faellesforsøg i Landbo- og Husmandsforgerne. 1952:53-59. 1953. 11 B45

41299 KRAUSE, F. Weitere erfahrungen mit monogermsaat. Deut. Landwirt.-Gesell. Mitt. 68:131-132. Feb.5,1953. 18 N39
Sugar beets.

41300 LAMBDIN, R. S., and ARMER, A. A. Bed planting of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:146-149. 1952. 66.9 Am35

41301 LEACH, L. D., and BAINER, R. The effect of reduced emergence upon the proportion of singles and doubles in field stands of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:244-251. 1952. 66.9 Am35

41302 LEE, T. E., and others. Report on comparative test for sugar cane varieties in 1951-1952. I-II. (In Chinese.) J. Sugar Res. 6:147-166. July 1952. 65.8 J822
English summary.
I, by T. T. Lee; II, by K. H. Kwong, W. Y. Wu, and C. C. Chang.

41303 LUDECKE, H. Betrachtungen eines rübenbauers zur jahreswende 1952/53. Z. f. die Zuckerindus. 3:14-16. Jan.20,1953. 65.8 D48
English summary.

41304 MALYGIN, V. Experiments in growing large crops of sugar beets in Kuban. (In Russian.) Sakh. Promysh. 26(11):33-37. Nov.1952. 65.8 Sa2

41305 MORRIS, H. E., and AFANASIEV, M. M. The effects of preceding crops and nutrients on the growth and seedling diseases of sugar beets in Montana. Amer. Soc. Sugar Beet Technol. Proc. 7:568-570. 1952. 66.9 Am35

41306 NAIDU, G. V. B. Sugarcane cultivation in Shimoga District. Mysore Agr. J. 28:55-72. Oct./Dec. 1952. 22 M993

41307 NELSON, R. T., and OLDEMEYER, R. K. Preliminary studies applicable to selection for low respiration and resistance to storage rots of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:400-406. 1952. 66.9 Am35

41308 OLDEMEYER, R. K., and BUSH, H. L. Influence of geographical locations and type of bag on selfed-seed setting for sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:360-363. 1952. 66.9 Am35

41309 PENDLETON, R. A. Population and distribution of sugar beets and table beets as related to seed production. Amer. Soc. Sugar Beet Technol. Proc. 7:454-458. 1952. 66.9 Am35

41310 RIRIE, D. Yields and harvest stands from various seedling spacings. Spreckels Sugar Beet B. 17: 4,8. Jan./Feb.1953. 66.8 Sp7

41311 ROMANINI, A. Let's talk about beets. (In Italian.) Avvenire Agr. 61:39-40. Feb.1953. 16 Av9
Culture in Italy.

41312 ROSKELLY, J. H., GOODWIN, R., and GESSELL, T. Proper cultural practices aid in securing good beet crop. Sugar Beet 11(9):6-8. Mar.1953. 66.8 Su34B

41313 ROUBAIX, J. DE. De la science à la pratique en matière de culture betteravière. Soc. Cent. d'Agr. de Belg. J. (n.s.)1(5),24 p. 1951/52. 13 So1

41314 RUSSELL, M. Sugar beet hybrids are next; scientists see benefits as big as those from hybrid corn. Colo. Rancher & Farmer 7(3):1,30. Feb.14,1953. 6 C714

41315 RYSER, G. K., and CRANDALL, B. H. Adaptation of the IBM card system to analysis of sugar-beet varietal data. Amer. Soc. Sugar Beet Technol. Proc. 7: 421-425. 1952. 66.9 Am35

41316 SAVITSKY, V. F. Methods and results of breeding work with monogerm beets. Amer. Soc. Sugar Beet Technol. Proc. 7:344-350. 1952. 66.9 Am35

41317 SMITH, C. H. Heritable differences in germination of sugar-beet seed at low temperatures. Amer. Soc. Sugar Beet Technol. Proc. 7:411-414. 1952. 66.9 Am35

41318 SOMMERKAMP. Und trotzdem zuckerrübenanbau. Landwirtbl. Weser-Ems 100:189-190. Feb.19,1953. 18 L2345

41319 STEWART, D., and CAMPBELL, S. C. The dispersion of pollen in sugar beet seed plots. Amer. Soc. Sugar Beet Technol. Proc. 7:459-469. 1952. 66.9 Am35

41320 STEWART, D., and GASKILL, J. O. Results of field tests with triploid sugar beets in 1951. Amer. Soc. Sugar Beet Technol. Proc. 7:452-453. 1952. 66.9 Am35

41321 SUN, V. G., and CHOW, N. P. On the time of planting and harvesting new varieties F134, PT43-52 and POJ3016. (In Chinese) Taiwan. Sugar Expt. Sta. Rpt. 8: 39-69. June 1952. 65.9 F76R
English summary.

41322 SVIATENKE, M. M. Increase of fertility in sugar beets and extension of area for beet growing in the fifth five-year plan. (In Russian.) Sakh. Promysh 27:41-44. Jan.1953. 65.8 Sa2

41323 THIBAU, C. E. Considerations on the extensive culture of sugarcane. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(8):35-42. Aug.1952. 9.2 M663

41324 TOMO, N. Study on the growth of sugar cane. (In Japanese.) Kyushu Noji Shikenjo 10:70-71. Sept.1952. 107.6 K996

41325 ULRICH, A. Growth and development of open-pollinated, hybrid and inbred sugar beet varieties in controlled climates. Amer. Soc. Sugar Beet Technol. Proc. 7:73-84. Ref. 1952. 66.9 Am35

41326 ULRICH, A. Variability of open-pollinated, inbred and hybrid sugar beet varieties in greenhouse experiments. Amer. Soc. Sugar Beet Technol. Proc. 7:67-72. 1952. 66.9 Am35

41327 WALKER, A. C., HAC, L. R., and PRICE, C. Measurement of the difference between "sugar type" and "yield type" sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:426-433. 1952. 66.9 Am35

41328 WOOD, R. R. Selection for cold tolerance and low temperature germination in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:407-410. 1952. 66.9 Am35

Tobacco

41329 ANTONIO, V. P., and MANALO, G. R. A progress report on Virginia tobacco variety test at Ilagan, Isabela. (Abs.) Philippines Bur. Plant Indus. Plant Indus. Digest 15(12):9-10. Dec.1952. 25 P544P

41330 BOLSUNOV, I. Test planting and culture of nicotine rich tobacco in Austria and its possibilities for the obtainment of nicotine. (In Dutch.) Tabaksplant 80(3838):6-7. (Cont.) Jan.13,1953. 286.89 T114

41331 CHIRKOVSKII, V. I. How to safeguard germination of tobacco and makhorka seed in storage. (In Russian.) Tabak 13(5):43-46. Sept./Oct.1952. 69.8 T112

41332 FIORENTINO, C. Salento, a tobacco for various uses; culture and curing in the Province of Lecce. (In Italian.) Tabacco 57(642):11-24. Jan.1953. 69.8 T115

41333 HUNT, R. Hazards of the plantbed. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68(3):22,179. Mar.1953. 6 P945K
Tobacco culture.

41334 LAFOND, J. A. La culture du tabac à fumer dans la region de Bone (Algérie). Rev. Internatl. des Tabacs 28:27-31. Feb.1953. 69.8 R324

41335 LEER, R. VAN, and DORY, J. La production au Lomami de tabacs de cape de cigare. Rev. Internatl. des Tabacs 28(240):3-7. Jan.1953. 69.8 R324

41336 OGDEN, W. B., and FULTON, R. W. Tobacco seedbed hints. Wis. Agr. Col. Ext. C. 441,19 p. Feb. 1953. 275.29 W75C

41337 ONO, T., and NAKAMICHI, K. On the growth of tobacco plant in the seed-bed by hot-spring heat. (In Japanese.) Kyushu Noji Shikenjo 10:72-73. Sept.1952. 107.6 K996

41338 PETERSON, E. L. Are tobacco strains running out? Cigar Val. News 3(3):4. Mar.1953. 286.89 C482

41339 RAHEJA, P. C., and MISRA, K. P. The art of tobacco cultivation. Indian Farming (n.s.)2(11):8-9,28-29. Feb.1953. 22 In283

41340 ROBERGE, L. La victoire est facile pour les producteurs de tabac. B. des Agr. 35(2):15. Feb.1953. 7 B872
Culture in Canada.

41341 SAMEJIMA, I., and OGAWA, M. On the relation between the amount of phosphorus manure and the quality of leaf tobacco. (In Japanese.) Kyushu Noji Shikenjo 10: 107-108. Sept.1952. 107.6 K996

41342 TANDON, P. L., and RAO, P. S. Cigarette tobacco growing in India. Rev. Internatl. des Tabacs 28:35,37,39. Feb.1953. 69.8 R324

41343 TOMAROVSKII, P. F. To increase tobacco productivity in our land. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:21-23. Sept.1952. 20 D742
Breeding.

41344 UNITE, J. O., BAYUBAY, S. J., and ODEJAR, J. G. A preliminary report on the test of six new standard Virginia tobacco varieties. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(12):5-8. Dec.1952. 25 P544P

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

41345 ALMINDELIG DANSK GARTNERFORENING. Årbog for gartneri, fireogtredivte årgang 1952 [Gardening yearbook, thirty fourth year 1952]. København,1953. 258 p. 86 AL6

41346 ALPINE GARDEN SOCIETY. Year book, 1953. Farnborough,Kent,1952. 84 p. 84 AL6Y

41347 AMSEN, G. Horticultural instruction. (In Dutch.) Vakbl. v. de Bloemisterij 8:21. Jan.16,1953. 80 V22

41348 BARTEN, D. On the protection of plant breeder's property. (In Dutch.) Zaadbelangen 6:243-246. Nov.29,1952. 61.8 Z1

41349 BLODGETT, E. C., and TWOMEY, J. A. The Moxee Plant Introduction and Quarantine Station—what is its future? Wash. State Hort. Assoc. Proc. 48:204-206,208-211. 1952. 81 W273

41350 BOOM, B. K. The practical application of the new rules for naming horticultural plants. (In Dutch.) Zaadbelangen 7:5-6. (Cont.) Jan.15,1953. 61.8 Z1

41351 CANADA, DEPT. OF AGRICULTURE. The gardener's handbook. Ottawa,1952. 15 p. 7 C16Pu

41352 CLARK, J. C. The horticultural situation and plans for horticultural extension in west Tennessee. Tenn. State Hort. Soc. Proc. 47:20-21. 1952. 81 T25

41353 EVERETT, T. H. We repeat: "Be prepared for spring." Home Gard. 21(3):55-59. Mar.1953. 80 H756

41354 FAUST, J. L. How to make plants dwarf. Plants & Gard. 8:282-289. Winter 1952/53. 450 P694
Fruit and ornamental trees.

41355 GUINOCHET. Production experimentale des polyploides. Rev. Hort. de l'Algérie 57:9-14. Jan.1953. 87 R32

41356 HAMBROUCK, K. Identification of horticultural seeds. (In Flemish.) Cult. en Handel 19:106. Feb. 1953. 80 C892

41357 HEGGDAL, R. Vocational information and guidance in horticulture. (In Norwegian.) Kolonihagen 23: 41,43-45. Feb.1953. 80 K83

41358 HONIG, F. W. Horticulture in 1952; a satisfactory year. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:4-8. Jan.1953. 86 N384
English summary.

41359 HOWLETT, F. S. Horticulture across the seas. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:43-44. 1952. 75.9 Oh3

41360 HUDSON, C. E. Experimental horticulture stations: review of progress. Gt. Brit. Min. Agr. Agriculture 69:516-520. Feb.1953. 10 G79J

41361 ILLINOIS DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. List of certified Illinois nurseries. Ill. Div. Plant Indus. C. 30,36 p. 1952. 464.9 IL6

41362 KARNATZ, H. Ein blick in die französischen obstbaumschulen in Orléans und Angers. Deut. Baumsch. 5:36-38. Feb.1953. 80 D486

41363 LEES, C. B. The American garden. II. Horticulture 31:103. Mar.1953. 80 H787

41364 MICHARD, P. Comment greffer vos arbres. Paris,Flammarion,1952. 118 p. (La Terre; Encyclopédie Paysanne) 90.11 M58

41365 PEARSON, C. E. The post-war pattern of horticulture in England and Wales. Gt. Brit. Min. Agr. Agriculture 69:508-515. Feb.1953. 10 G79J

41366 PIETERS, J. What was in stock in the Papeleu nursery 100 years ago. (In Flemish.) Tuinbouwberichten 17:25-26. Feb.15,1953. 80 T817
Fruit and ornamental trees.

41367 RIO GRANDE VALLEY HORTICULTURAL INSTITUTE. Proceedings, seventh annual, Weslaco, Texas, Jan.21,1953. Mission, Tex., 1953. 147 p. 81 L95

41368 ROCKWELL, F. F. Emphasis on transplanting. Home Gard. 21(3):17-21. Mar.1953. 80 H756

41369 ROEVER, W. E. Horticultural opportunities in Tennessee. Tenn. State Hort. Soc. Proc. 47:12-14. 1952. 81 T25

41370 SCRIMGEOUR, J. H. Horticulture as a career. Rose 1:128-130. Winter 1952/53. 96.1 R725

41371 SHEWELL-COOPER, W. E. The garden becomes a market garden. Country Landowner 4:34-36. Feb.1953. 10 C836

41372 SIEG, H. Baumschulen im 17 jahrhundert. II. Deut. Baumsch. 5:31-36. (Cont.) Feb.1953. 80 D486

41373 SIEG, H. Zur geschichte der baumschulen. Deut. Baumsch. 5:1-4. (Cont.) Jan.1,1953. 80 D486

41374 STOUTEMYER, V. T. Horticultural schools of California; the floricultural program of the University of California at Los Angeles. Calif. Hort. Soc. J. 14:38-40.

41375 TENNESSEE DEPT. OF AGRICULTURE. DIV. OF INSECT AND PLANT DISEASE CONTROL. List of Tennessee certified nurseries, collectors of native shrubs, greenhouses, strawberry plant growers and bulb growers, 1952/1953. Tenn. Div. Insect & Plant Dis. Control. B. 110,41 p. 1953. 423 T25

41376 TENNESSEE STATE HORTICULTURAL SOCIETY. Proceedings of the forty-seventh annual convention, held at Jackson, Tennessee, December 4 and 5, 1952. n.p.,1953? 58 p. 81 T25

41377 WASHINGTON STATE HORTICULTURAL ASSOCIATION. Proceedings of the forty-eighth annual meeting, December 8, 9, 10, 1952. Yakima,1952. 301 p. 81 W273

41378 ZHUKOV, I. V. Further rise in potato, vegetable and fruit production. (In Russian.) Sad i Ogorod 1:3-8. Jan.1953. 80 Sa13

Fruits--General

41379 ACHTERSTRAAT, J. What can we plant on the ground the first years after pulling out? (In Dutch.) Fruitteelt 43:66-68. Jan.24,1953. 86 N28

41380 BAKER, C. E. 10 steps to success in the fruit business. Rur. New-Yorker 103:155,172. Mar.7,1953. 6 R88

41381 BELOKHONOV, I. V. Achievements of Michurinite science--into production. (In Russian.) Priroda 42(2):56-61. Feb.1953. 410 P933
Fruit culture.

41382 BREGGER, J. T. Cover crop management; key to orchard soil and moisture conservation. Tenn. State Hort. Soc. Proc. 47:33-35. 1952. 81 T25

41383 BUSH, R. The gentle art of pruning. Country Life [London] 113:272-273. Jan.30,1953. 80 C83
Fruit.

41384 CESTER, F. Poda de los arboles frutales. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 55:7. Dec. 1952. 15 Sa7

41385 COCKMAN, B. "V" is for Vineland;Ontario's famous Horticultural Experimental Station at Vineland has produced many varieties of fine fruits. Family Herald & Wk. Star 84(7):3,16. Feb.12,1953. 7 F21

41386 CORNELIUS, C. Entwicklungen im europäischen obstbau. Obstbauversring. des Alten Landes. Mitt. 8:23-24. Jan.1953. 85 J76

41387 DEBOR, H. W. Beispiel einer teilgebietsplanung im obstbau. Hess. Obstbau 8:4-5. Jan.1953. 80 G1932

41388 DUKA, S. KH. New varieties of fruit and berry crops. (In Russian.) Dostizhenifa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:12-17. Sept.1952. 20 D742

41389 EBNER, E. Weniger, aber bessere sorten! Bauern-Ztg. 6(7):9-10. Feb.20,1953. 18 B324
Fruit in Germany.

41390 HAMBOULLAS, K. Fruit growing [in Cyprus]. Countryman [Nicosia] 7:10-16. Jan.1953. 25 C83

41391 HIAM, N. J. Orchard and packing shed hygiene. New Zeal. J. Agr. 86:39,41. Jan.15,1953. 23 N48J
Includes disease and pest prevention and control.

41392 IUDIN, A. F., and KUZNETSOVA, L. M. Agricultural technique at the nursery on the I. V. Michurin sovkhoz. (In Russian.) Sad i Ogorod 11:16-19. Nov.1952. 80 Sa13
Rootstocks.

41393 JEANNEAU, Y. Précautions à prendre à la plantation des arbres fruitiers. Rev. Agr. de l'Afrique du Nord 51:36,45. Jan.9,1953. 80 R326

41394 JEREBTZOFF, S. Essai de monographie d'une exploitation agricole à polyculture avec arboriculture fruitière comme spéculation principale dans la region de Montauban. Pomol. Franç. 79:155-166. (Cont.) Dec.1952. 80 P77

41395 KARNATZ. Die bestände an verkaufsfertigen obstgehölzen in den baumschulen des Bundesgebietes im herbst 1952. Obstbauversring. des Alten Landes Mitt 8: 22-23. Jan.1953. 85 J76

41396 KUGLER, F. Zur ertrags- und qualitätssteigerung im obstbau. Obstbau 72:22-23. Feb.1,1953. 80 Ob73

41397 MARTINEZ-ZAPORTA, F. Una contribución al empleo de los métodos estadísticos en fruticultura. Spain Inst. Nac. de Invest. Agron. B. 12:397-527. Ref. Dec. 1952. 105.6 Sp14

41398 MAURER, K. J. Die frostresistenz im obstbau. Obst u. Gartbau.7:179-180. Dec.1952. 80 Ob75

41399 NAZARIAN, E. A., and KAMSHILOV, N. A. Fruit growing in the new Five-Year Plan. (In Russian.) Sad i Ogorod 11:3-5. Nov.1952. 80 Sa13

41400 NIKITIN, P. A. Snow retention for [fruit] rootstocks. (In Russian.) Sad i Ogorod 1:76-77. Jan.1953. 80 Sa13

41401 OKOROKOV, P. D. We shall develop fruit nurseries at all the forest enterprises of our country. (In Russian.) Lesn. Khoz. 5(10):61. Oct.1952. 99.8 L5622

41402 OSTLIND, N. The fruit growing school in Urshult. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 23:161-162. 1952. 86 Sv2F

41403 POLIANSKII, V. G. Sovkhoz of "Krasnoe." (In Russian.) Sad i Ogorod 1:9-15. Jan.1953. 80 Sa13
Fruit nursery.

41404 PRECIADO CASTILLO, A. La clasificación de los frutos. Campo [Tacuba] (ser.2)20(731):62,64,66,68. Jan.31,1953. 8 C157

41405 RASKIN, L. M. The I. V. Michurin fruit nursery sovkhoz. (In Russian.) Sad i Ogorod 11:9-16. Nov.1952. 80 Sa13

41406 REBOUR, H. Densité des plantations dans les cultures fruitières. Rev. Hort. de l'Algérie 56:316-323. Dec.1952. 87 R32

41407 REICH, H. Die ergebnisse der diesjährigen zweiguntersuchungen. Obstbauversring. des Alten Landes Mitt. 8:19-20. Jan.1953. 85 J76

41408 RODIER, J. Le jardin fruitier familial; comment obtenir les formes fruitières courantes. Rustica 26:125,127. Feb.8,1953. 14 R92

41409 SAMAN, L. Forcing trees to bear fruit by "strangulation." (In Siamese.) Kasikorn 25:354-356. Sept.1952. 22.5 K15
English summary.

41410 SANTE, E. Schnitt und aufbewahrung der edelreiser. Obstbau 72:27. Feb.1,1953. 80 Ob73

41411 SOLOPOV, G. P. Certain questions of fruit culture in the Moscow Region. (In Russian.) Sad i Ogorod 1:18-20. Jan.1953. 80 Sa13

41412 SOLOPOV, G. P., and IVANOV, P. P. From the practices of Moscow Regional Fruit and Berry Experiment Station. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:52-57. Oct.1952. 20 D742

41413 STEPANOV, P. A. On the achievements of the experimenters-Michurinites [in fruit breeding]. (In Russian.) Agrobiologiîa 6:137-139. Nov./Dec.1952. 20 Ag822

41414 STEPANOV, P. A. Practices of leading collective farms of Tambov Region in fruit culture. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:41-44. Nov.1952. 20 D742

41415 STEPHAN, F. Zur frühjahrspflanzung. Bauer 6(5):10-13. Jan.31,1953. 19 B32
Fruit planting and control of San José scale [Aspidiotus perniciosus] in Austria.

41416 TESIC, M. What all is necessary to undertake to start a large orchard. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(16):15-17. Dec.1952. 21.5 V87

41417 TORRES HERRERA, M. La fruticultura en Colombia. Rev. Agr. y Ganad. 13(154):6,8. Nov.1952. 9.4 R327

41418 TROSHIN, N. N., and MEDVEDEVA, T. M. Accelerated growth of fruit seedlings. (In Russian.) Sad i Ogorod 1:22-24. Jan.1953. 80 Sa13

41419 TUCKER, B. D. A. Americans prune trees less than we do. Grower [London] 39:327. Feb.14,1953. 286.83 M34
Fruit culture.

41420 TUKEY, H. B. Blossoms of horticulture. Rur. New-Yorker 103:154,158. Mar.7,1953. 6 R88
Fruit farming in Europe.

41421 VILLEGAS RODAS, M. Métodos de propagación de frutales. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1:28-29,57. Oct.1952. 8 G934

41422 ZHUCHKOV, N. G. A ring of orchards under Leningrad. (In Russian.) Priroda 41(11):114-117. Nov. 1952. 410 P933

41423 ZUCCHINI, M. Fruit culture in Ferrara. (In Italian.) Humus 9:17-20. Jan.1953. 16 H88

Fruits--Citrus and Subtropical

41424 ABDALLAEV, A. G. Experiments in cultivating certain subtropical fruits in Azerbaidzhan. (In Russian.) Sad i Ogorod 12:45. Dec.1952. 80 Sa13

41425 ADCOCK, G. I. Sicily: intensive mixed plantings of other varieties complicates citrus production cost analysis. Citrus News 27:175. Dec.1952. 80 C494

41426 AGNEW, G. W. J. Some introduced papaw varieties. Queensland Fruit & Veg. News 2(58):21. Dec. 19,1952. 280.38 Q3

41427 AKHUNDZADE, I. M. Meyer lemons under conditions of protected ground. (In Russian.) Sad i Ogorod 12:41-43. Dec.1952. 80 Sa13

41428 AMIZET, L. Contribution à l'étude de la densité des plantations commerciales modernes d'agrumes dans le département d'Alger. Fruits et Primeurs de l'Afrique du Nord 22:481-483. Dec.1952. 80 F9482

41429 BALLOT-ELANT, and others. Note sur la multiplication de l'olivier par bouture ou par greffage. Terre Marocaine 27(278):14-16. Jan.1953. 24 T44
Jacquy, Schlesser, and Giannesini, joint authors.

41430 BORGES, L. M. A. The pineapples of San Miguel. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):25-59. Ref. First Semes.1953. 15 Az6

41431 BUENO, C. DEL. Promising citrus area near Vera Cruz, Mexico. Citrus Leaves 33(3):10-11. Mar.1953. 80 C492

41432 CASSIDY, H. P. Cultural practices from A. to Z. discussed. Citrus Leaves 33(3):12-13. Mar. 1953. 80 C492

41433 CHATEAU, R. La papaye, une richesse alimentaire. Fruits et Primeurs de l'Afrique du Nord 22:455-458. Ref. Nov.1952. 80 F9482
Culture.

41434 CHIAROMONTE, A. Introduction of the Somalian grapefruit into Italy. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:328-331. Oct./Dec.1952. 26 Ag82
English summary.

41435 COSTA, C. DO. Citrus in popular poetry of the Azores. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):147-157. First Semes.1953. 15 Az6

41436 CUNHA, C. R. C. DA. Pineapple and its culture. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(10):83-85. Oct.1952. 9.2 M663

41437 EILON, Z. A notable guava variety. (In Hebrew.) Hassadeh 33:157. Dec.1952. 26 H27

41438 FEDELE, A. Prospects and aspects of fig culture in the Province of Lecce. IV. (In Italian.) Salento Agr. 4:2. (Cont.) Jan.1953. 281.8 Sa3

41439 GAUDIO, S. DEL. Autosterility of the olive in Bari Province. (In Italian.) Olivicoltura 7(12):6-8. Dec. 1952. 80 AL42

41440 GEIJTENBEEK, C. The Ficus as fruit tree. (In Dutch.) Floralia 73:14-15. Jan.14,1953. 80 F6613

41441 GIACOMETTI, D. C. Problems of selecting grafts for citrus. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(8):3-18. Ref. Aug.1952. 9.2 M663

41442 GUILLEM, R. Good coconut farming, good living. Agr. & Indus. Life 15:28,39. Jan.1953. 25 Ag8
Philippines.

41443 HARTMANN, H. T., and HOFFMAN, R. M. The effect of low soil moisture during floral development on fruit-fullness in the olive. Calif. Olive Indus. News 8:3-4. Feb.1953. 80 OL43

41444 HARTMANN, H. T., and HOFFMAN, R. M. Olive fruiting behavior; soil moisture during floral development studied for possible effect on fruitfulness in olive trees. Calif. Agr. [Calif. Sta.] 7(2):9-10. Feb.1953. 100 C12Cag

41445 HERSHKOVITZ, E. Pruning dates for olives. (In Hebrew.) Hassadeh 33:156-157. Dec.1952. 26 H27

41446 HETZRONI, Y. Pruning olives. (In Hebrew.) Hassadeh 33:154-156. (Concl.) Dec.1952. 26 H27

41447 ITURRIETA ROJAS, A. Efectos del viento en olivos. Simiente 22:135-137. Jan./June 1952. 9.3 Si4

41448 KAPTSINEL', M. A. Prospects for citrus development. (In Russian.) Sad i Ogorod 11:37-41. Nov. 1952. 80 Sa13

41449 KHAN, K. F., and MUTHUSWAMI, S. Promising varieties of avocado (Persia gratissima Mill) for South India. Indian Farming (n.s.)2(11):20-21. Feb.1953. 22 In283

41450 KVARATSKHELIÎA, N. T., and BERDZENSHVILI, L. I. Perennial grasses [legumes] between rows in a citrus grove. (In Russian.) Sad i Ogorod 11:42-43. Nov.1952. 80 Sa13

41451 LAURENT, R. L'agrumiculture dans la région de Meknès et la propriété de M. Castells. Fruits et Primeurs de l'Afrique du Nord 22:427-434. Nov.1952. 80 F9482

41452 LEVDANSKAÎA, P. I. Monstera [deliciosa] blooms and bears fruit. (In Russian.) Priroda 42(2):115-116. Feb.1953. 410 P933

41453 MELVILLE, F. The passion fruit [Purple granadilla]:its cultivation in Western Australia. West. Austral. Dept. Agr. J. (ser.3)1:737-747. Nov./Dec.1952. 23 W52J

41454 MENON, H. B. La piña (cultivo racional, industrializacion y usos). 2. Agr. Costarricense 11:31-32. Jan.1953. 8 Ag895

41455 MILTIADES, C. Olive pruning. Countryman [Nicosia] 6(12):10-16. Dec.1952. 25 C83

41456 MONCADE, G. L'avenir des agrumes en Algerie. Voix des Colons 35(1696):1,3. Jan.19,1953. 24 V85

41457 MUNIER, P. Sur l'origine du palmier-dattier. Fruits 8:47-52. Ref. Feb.1953. 80 F9492

41458 NIXON, R. W. North America's oldest date gardens. Pacific Discovery 6:18-24. Jan./Feb.1953. 500 P112
Baja California.

41459 ORELLANA ALBAN, F. La industria bananera en el Ecuador. Quito,1952. 43 p. 93.42 Or3

41460 OZEROV, G. V., and SHURÍAEVA, N. G. Subtropical plants stand the winter in southern Uzbekistan. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:63-65. 1952. 451 M854

41461 PROKOF'EV, A. K. Screens covering trenches for citrus. (In Russian.) Sad i Ogorod 12:40-41. Dec. 1952. 80 Sa13

41462 PUERTA, F. DE LA. Laboreo anual del olivar. Agricultura [Madrid] 22(249):20-24. Jan.1953. 15 Ag84

41463 QUINTANAR, F. Aguacate. Campo [Tacuba] (ser.2)20(730):22,24-30. Dec.31,1952. 8 C157
Varieties, diseases, and pests.

41464 RAMIREZ A., O. Multiplicación del olivo. Simiente 22:126-128. Jan./June 1952. 9.3 Si4

41465 ROSENBERG M., G. Raleo de flores y frutitos de olivo. Simiente 22:129-133. Ref. Jan./June 1952. 9.3 Si4
Includes discussion.

41466 ROUNDS, M. B. Regional adaptability of avocado varieties. Calif. Citrog. 38:185,187. Mar. 1953. 80 C125

41467 SHISHKIN, V. A., and MURINSON, B. Ü. Rooting lemons through air layering. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:85-86. 1952. 451 M854

41468 SIMPSON, K. M. Papayas have everything. Pop. Gard. [Albany] 4(3):51,105. Mar.1953. 80 P812

41469 SUNKIST GROWERS. Annual report for the year ended October 31, 1952. n.p.,1952. 31 p. 81 C127R

41470 U. S. PATENT OFF. Plant patent 1170. Johnson, B. V. Orange tree. 2 p.,2 pl. Feb.24,1953. 156.65 P69

Fruits--Deciduous

41471 ALDERMAN, D. C. Harvesting, handling and packaging of peaches. Mountaineer Grower 23(196):32-34. Mar.1953. 80 M86

41472 ALDERMAN, W. H., and others. Meteor cherry. Minn. Agr. Expt. Sta. Misc. Rpt. 16,3 p. Dec.1952. 100 M66
W. G. Brierley, T. S. Weir, A. N. Wilcox, R. C. Blake, K. W. Hanson, and L. C. Snyder, joint authors.

41473 ARAVENA, E. Descarga artificial de manzanos. (Sum.) Simiente 22:21-22. Jan./June 1952. 9.3 Si4
With chemicals.

41474 AUBER, R. La taille de fructification des pommiers et poiriers. J. de la France Agr. 9(397):14. Feb.6/12,1953. 14 J829

41475 BANNISTER, E. A. Some factors to consider in planning frost protection in deciduous orchards. Wash. State Hort. Assoc. Proc. 48:199-200. 1952. 81 W273

41476 BARTRAM, D. Blossom thinning apples in north central Washington. Wash. State Hort. Assoc. Proc. 48:162-163. 1952. 81 W273

41477 BATJER, L. P. Factors affecting results with dinitro thinning sprays. Wash. State Hort. Assoc. Proc. 48:158-161. 1952. 81 W273

41478 BATJER, L. P. Maximum production of quality fruit. Mountaineer Grower 23(195):7-11. Feb.1953. 80 M86

41479 BATJER, L. P., and ROGERS, B. L. What is the best stop-drop spray for apples and pears? Wash. State Hort. Assoc. Proc. 48:175-177. 1952. 81 W273

41480 BLAIR, D. S., and KELLETT, A. When and how to graft fruit trees. Amer. Fruit Grower 73(3):13-14,44-45. Mar.1953. 80 G85

41481 BODO, F. Obstbau—einmal anders! Landwirtschaft 3/4:52-54. (Cont.) Feb.1953. 19 L235
Austria.

41482 BRASE, K. D. Western sand cherry [Prunus besseyi]—a dwarfing stock for prunes, plums, peaches. Farm Res. [N. Y. Sta.] 19:4. Jan.1953. 100 N48A

41483 BREAK, R. A. Blossom thinning with dinitro dust. West. Fruit Grower 7(2):39. Feb.1953. 95.8 G762
Peaches and plums.

41484 BUSH, R. Peaches prefer the drier side of Britain. Grower [London] 39:420-421. Feb.28,1953. 286.83 M34

41485 CARLONE, R. Botanical characteristics and structure of rootstocks derived from seeds of apple variety 'Firminello.' (In Italian.) Ann. della Sper. Agr. (n.s.)7:289-298. 1953. 16 An76
English summary.

41486 CERULIS, A. Directions for the care of low crowned plantings. (In Flemish.) Cult. en Handel 19:95-96. Feb.1953. 80 C892
Apples.

41487 CHEREVATENKO, A. S. New peach varieties in Uzbekistan. (In Russian.) Sad i Ogorod 12:28-31. Dec.1952. 80 Sa13

41488 CHEVALIER, A. D'ou viennent les pommiers à bons fruits de nos jardins et de nos vergers? Acad. des Sci. Compt. Rend. 234:2126-2128. May 26,1952. 505 P21

41489 CHEVALIER, A. Réflexions sur l'avenir de la culture des arbres fruitiers du groupe des Pomacées et sur les possibilités de leur amélioration. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:533-547. Nov./Dec.1952. 26 R323

41490 CHILDERS, N. F. 1952 apple orchard lessons. Rur. New-Yorker 103:210-211. Mar.21,1953. 6 R88
Practices followed by New Jersey growers.

41491 CLARK, L. A year in the life of a fruit tree. Farmers Wk. [London] 38(7):67-69. Feb.13,1953. 10 F2226

41492 CROSSA-RAYNAUD, P. De quelques problèmes poses en Tunisie par l'extension des plantations d'abricotiers en culture sèche. Tunisie Agr. 53:107-118,121-128. Nov.-Dec.1952. 24 T832

41493 DALRYMPLE, D. M. What's new in New York State apples. Mountaineer Grower 23(195):11,13-15,17-18. Feb.1953. 80 M86

41494 DEKKER, P. More fruit from good pruning. (In Dutch.) Floralia 73:7. Jan.14,1953. 80 F6613

41495 DEKKER, P. The peach as a shrub. (In Flemish.) Cult. en Handel 19:99-101. Feb.1953. 80 C892

41496 DEVÍATOV, A. S. Biological study of full-grown orchards for development of best rootstocks. (In Russian.) Sad i Ogorod 12:12-16. Dec.1952. 80 Sa13
Apples and pears.

41497 EREMEEVA, T. D. Growing apple rootstocks on kolkhozes of the Ivanovo Region. (In Russian.) Sad i Ogorod 1:20-22. Jan.1953. 80 Sa13

41498 EVANS, W. D. Pruning fruit plants. Alberta U. Dept. Plant Sci. Seasonal Notes 38:6-8. Jan.3,1953. 64.9 AL12
In Alberta, Canada.

41499 FOGLE, H. W. New early peach varieties. Wash. State Hort. Assoc. Proc. 48:39-40. 1952. 81 W273

41500 FRICK. Ueber den kirschenanbau in Württemberg. Obstbau 72:24-25. Feb.1,1953. 80 Ob73

41501 GORIN, T. I. Quinces on the lower Volga shores. (In Russian.) Sad i Ogorod 1:35-39. Jan.1953. 80 Sa13

41502 HAAS, DE. Zur "Bundessortenliste" für äpfel. Obstbauberatungsring. Mittbl. 8:8. Feb.1,1953. 85 Ob72

41503 HANNIGAN, M. A. Thinning of stone fruits. Queensland Fruit & Veg. News 2(57):22-23. Dec.12,1952. 280.38 Q3

41504 HENDRIKSEN, T. What does topgrafting cost? (In Dutch.) Fruitteelt 43:64-65. Jan.24,1953. 86 N28

41505 JENKINS, P. Pre-bloom and blossom thinning of peaches by hand. Wash. State Hort. Assoc. Proc. 48: 164-165. 1952. 81 W273

41506 JENSEN, G. Variety and rootstock selection. (In Danish.) (Sum.) Erhvervsfrugtavleren 19:111. Feb.1, 1953. 80 Er3
Apples.

41507 JUDKINS, W. P. The future of apple growing in Appalachia. Mountaineer Grower 23(195):23,25-27. Feb.1953. 80 M86

41508 JUDKINS, W. P. Peach practices—good & bad. Mountaineer Grower 23(195):43,45-47. Feb.1953. 80 M86

41509 KARNATZ, H. Zur saatgutfrage bei birnen. Obstbau 72:25-26. Feb.1,1953. 80 Ob73

41510 KAZI-ZADE, F. N. Four fruitings of a pear in a year. (In Russian.) Priroda 41(11):122-123. Nov.1952. 410 P933

41511 KEMMER, E., and KIRCHHOFF, R. H. Uber die autovegetative vermehrung von apfelsorten. Züchter 22(10/11):289-298. Ref. 1952. 442.8 Z8

41512 KERSTENS, J. R. Too many varieties of winter apples; only five good varieties for modern planting. (In Dutch.) Boer en Tuinder 7(312):4. Feb.7,1953. 12 B632
Netherlands.

41513 KOOPMANS, W. Don't put the cart before the horse—but put the tractor before unprofitable fruit trees. (In Dutch.) Fruitteelt 43:63. Jan.24,1953. 86 N28

41514 LAUBER, H. J. Anbau und pflege von kirschen-niederstämmen. Schweiz. Gärtztg. 56(7):2-3. Feb.19, 1953. 80 G1939

41515 LEPLINSKAIA, A. A. Early apple varieties in Uzbekistan. (In Russian.) Sad i Ogorod 12:26-27. Dec. 1952. 80 Sa13

41516 LESIUK, E. A. Valuable Michurin varieties. (In Russian.) Sad i Ogorod 11:19-21. Nov.1952. 80 Sa13
Apples.

41517 LUCE, W. A. The Metzger apple in Washington. Fruit Varieties & Hort. Digest 7:30. Dec.1952. 80 F9464

41518 MARGOLIN, A. F. Tub culture of early-bearing Karlik apples. (In Russian.) Sad i Ogorod 1:77-78. Jan.1953. 80 Sa13

41519 MARSTON, T. With dwarf fruit trees size isn't everything. Iowa Agr. 51(6):12-13. Feb.1953. 6 Io9

41520 MARTAKOV, A. A. New apple varieties for wine manufacture in Kazakhstan. (In Russian.) Vinodel. i Vinograd. 12(9):12-14. Sept.1952. 95.8 V77

41521 METLITSKII, Z. A. Basic questions of quince culture. (In Russian.) Sad i Ogorod 1:32-35. Jan.1953. 80 Sa13

41522 MIRZOEV, K. D. Experiments in accelerating the growth of apple seedlings. (In Russian.) Sad i Ogorod 1:24-25. Jan.1953. 80 Sa13

41523 MOTOVILOV, B. A. New apricot varieties for the steppe area of Kuban. (In Russian.) Sad i Ogorod 11: 26-27. Nov.1952. 80 Sa13

41524 NESTEROV, IA. S. Michurin apple varieties in the Krasnodar Region. (In Russian.) Sad i Ogorod 11:21-23. Nov.1952. 80 Sa13

41525 NILSSON, F. New apple rootstocks are to be expected. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 23:146-147. 1952. 86 Sv2F

41526 ODINTSOV, V. A. Inclusion [in apple culture] of the Michurin and valuable local varieties. (In Russian.) Sad i Ogorod 11:24-26. Nov.1952. 80 Sa13

41527 PETTINGA, J. J. What is being planted in the Nordoostpolder? (In Dutch.) Fruitteelt 43:48. Jan.17, 1953. 86 N28
Apples.

41528 REDMAN, R. Blossom thinning of peaches with water. Wash. State Hort. Assoc. Proc. 48:166. 1952. 81 W273

41529 RUDLOFF, C. F., and PEICHL, L. Neigung einiger birnensorten zur parthenokarpie. Obstbau 72:29-31. Feb.1,1953. 80 Ob73

41530 SAATHOFF. Stammbildner einst und jetzt. Obstbauberatungsring. Mittbl. 8:9-10. Feb.1,1953. 85 Ob72

41531 SHEPARD, P. H. Delcon, a new semi-dwarf apple. Fruit Varieties & Hort. Digest 7:31. Dec.1952. 80 F9464

41532 SIIMON, A. M. Michurinite fruit growers of the Estonian SSR. (In Russian.) Sad i Ogorod 12:31-32. Dec.1952. 80 Sa13

41533 SKARD, O. Harvesting and storage of apples and pears. (In Norwegian.) Kolonihagen 23:39-40. Feb. 1953. 80 K83

41534 SLATE, G. L. Fruits on trial. Pop. Gard. [Albany] 4(3):62-63,79-81. Mar.1953. 80 P812

41535 SNYDER, J. C. Here's how to train young apple trees. Better Fruit 47(8):6-7,14-16,18-21. Feb.1953. 80 B46

41536 SOUTY, J. Les porte-greffes du pêcher et du prunier. Cour. Hort. 15:98-102. Feb.1953. 80 C834

41537 STEPANOV, S. N. Increasing germination of seeds of seedy [fruit] species. (In Russian.) Sad i Ogorod 12:7-12. Dec.1952. 80 Sa13
Apples and pears.

41538 TALATIN, N. IA. Selection of rootstocks for apples. (In Russian.) Sad i Ogorod 12:22-26. Dec.1952. 80 Sa13

41539 TAVERNIER, J., and JACQUIN, P. Etudes sur un verger breton de variétés américaines de pommes de table. France. Inst. Natl. de la Rech. Agron. Ann. Sér. B, Ann. de l'Amélior. des Plantes 2:231-251. Ref. Apr./June 1952. 14 F8499A

41540 THIJN, G. A. Recent German apple varieties. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden. en Aardappelpootgoed. Meded. 9:84-85. (Cont.) Feb.1953. 61.9 N28

41541 THORSRUD, J. Pruning of fruit trees—why and how. (In Norwegian.) Kolonihagen 23:3-5. Feb.1953. 80 K83

41542 TILL, M. R. Apple root depth and distribution. So. Austral. Dept. Agr. J. 56:272-274. Jan.1953. 23 So84

41543 TRUSEVICH, G. V. New apple rootstocks in the Krasnodar region. (In Russian.) Sad i Ogorod 12: 16-22. Dec.1952. 80 Sa13

41544 TUKEY, R. B. Rootstocks for fruit trees. Amer. Fruit Grower 73(3):15,46-47. Mar.1953. 80 G85

41545 U. S. PATENT OFF. Plant patents. 10 Nos. 1952-53. 156.65 P69
Contents: 1127. Stribling, T. B. Peach tree. 2 p.,1 col.pl. Sept.9,1952; 1141. Garabedian, J. M. Peach tree. 2 p.,1 col.pl. Oct.28,1952; 1144. Stribling, T. B. Peach tree. 2 p.,1 col.pl. Nov.11,1952; 1147. Kirkman, W. T. Peach tree. 2 p.,1 col.pl. Nov.18,1952; 1150. Swim, H. C. Peach tree. 2 p.,1 pl. Nov.25,1952; 1153. Vistica, L. Pear tree. 2 p.,1 pl. Dec.9,1952; 1156. Lammerts, W. E. Ornamental and fruiting peach tree. 2 p.,2 col.pl. Dec.23,1952; 1160-1161. Anderson, F. W. Nectarine tree. 4 p.,2 col.pl. Jan.13,1953; 1172. Fulkerth, C. M. Peach tree. 2 p.,1 col.pl. Mar.3,1953.
1156. Lammerts, W. E. Ornamental and fruiting peach tree. 2 p.,2 col.pl. Dec.23,1952; 1160-1161. Anderson, F. W. Nectarine tree. 4 p.,2 col.pl. Jan.13,1953; 1172. Fulkerth, C. M. Peach tree. 2 p.,1 col.pl. Mar.3,1953.

41546 UPSHALL, W. H. Anis and Antonovka seedlings as rootstocks for the apple. Fruit Varieties & Hort. Digest 7:22. Dec.1952. 80 F9464

41547 VYSOTSKII, K. A., and TUZ, A. S. Fruit growing in the main Turkmenian Canal zone. (In Russian.) Sad i Ogorod 11:6-9. Nov.1952. 80 Sa13
Chiefly deciduous fruits.

41548 ZAPRIAGAEVA, V. I. Fruit culture in the arid mountains of Tadzhikistan. (In Russian.) Sad i Ogorod 1:30-31. Jan.1953. 80 Sa13

Fruits--Small

41549 ALDERMAN, W. H. It's easy to propagate small fruits. Amer. Fruit Grower 73(3):16-17,48-49. Mar.1953. 80 G85

41550 ARUTIUNIAN, A. S. Scientific research work in grape culture. (In Russian.) Vinodel. i Vinograd. 12 (9):54-55. Sept.1952. 95.8 V77

41551 AUDIBERT, M. Sur la taille des hybrides. Viticult. Nouvelle 6(58):4-6. Feb.1953. 390.8 V832

41552 BADALIAN, V. T. Obtaining a crop of grapes in the second year from planting. (In Russian.) Vinodel. i Vinograd. SSSR. 13:34-36. Jan.1953. 95.8 V77

41553 BANTA, E. S. I like to grow Red Rich. Amer. Fruit Grower 73(3):38-39. Mar.1953. 80 G85
Strawberries.

41554 BARSKII, IA. S. Culture of half-covered grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 13:30-33. Jan.1953. 95.8 V77

41555 BARSKII, IA. S. Rejuvenation of grapevine. (In Russian.) Sad i Ogorod 12:38-39. Dec.1952. 80 Sa13
Pruning.

41556 BARSKII, IA. S. Stock of grape vine rootstocks. (In Russian.) Sad i Ogorod 1:41-43. Jan.1953. 80 Sa13

41557 BARTANIAN, M. D. Frost resistance of grapes dependent on biological changes. (In Russian.) Vinodel. i Vinograd. SSSR. 11:43-46. Nov.1952. 95.8 V77

41558 BASHIROV, F. B. Theoretical basis for pruning grapevines. (In Russian.) Vinodel. i Vinograd. 12(9): 31-36. Sept.1952. 95.8 V77

41559 BASHIROV, F. B. Work in vineyards in the spring. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2): 6-11. Feb.1953. 95.8 V77

41560 BEATTIE, J. M. Good pruning practices and vigorous vines give high grape yields. Ohio Farm & Home Res. [Ohio Sta.] 38(280):3,14. Jan./Feb.1953. 100 Oh3S

41561 BLAS'IAN, R. S. We are decreasing the net cost of [grape] production. (In Russian.) Vinodel. i Vinograd. SSSR. 11:56. Nov.1952. 95.8 V77

41562 BOGUN, S. S. Accelerated formation of grapevines. (In Russian.) Vinodel. i Vinograd. SSSR. 11:60-61. Nov.1952. 95.8 V77

41563 BOGUN, S. S. Grape sovkhoz in the arid steppe zone of Kazakhstan. (In Russian.) Vinodel. i Vinograd. SSSR. 13:53-54. Jan.1953. 95.8 V77

41564 BORISENKO, N. I. Agricultural technique for large crops of grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):57-58. Feb.1953. 95.8 V77

41565 BRANAS, J. Raisins de table. IX. Prog. Agr. et Vitic., Jan.18/25,1953:29-33. 14 P94

41566 BRANAS, J. Sur le projet gouvernemental d'orientation de la production viticole. Prog. Agr. et Vitic., Mar.1/8,1953:113-118. 14 P94
France.

41567 BRAUN, O. Geschichte und methoden des bolivianischen weinbaues. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:22-26. Jan.1953. 105.9 K696
English summary.

41568 BRUNNER, E., and WEISS, E. Versuche über fehlerhafte veredlungen. Deut. Weinbau 8:35-36. Jan.20, 1953. 390.8 W432

41569 BRUNO, B. Les Madeleines Blanches et la Madeleine Angevine. Prog. Agr. et Vitic., Mar.1/8,1953: 126-127. 14 P94

41570 CHRIST, E. G. Blueberries as compared with other N. J. fruits. Cranberries 17(11):17-18. Mar.1953. 80 C852

41571 COLAMARIA, F. Grape harvest and wine manufacture. (In Italian.) Agr. Ferrarese 56:176-178. Aug.31,1952. 16 Ag87

41572 DADASHEV, G. S. Influence of pruning and number of bunches upon the crop and quality of grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 11:32-34. Nov. 1952. 95.8 V77

41573 DARROW, G. M. Albritton strawberry and Angola and Ivanhoe blueberries. Fruit Varieties & Hort. Digest 7:19-20. Dec.1952. 80 F9464

41574 DAUPHIN, E. J. La reconnaissance de l'hybridation par la viticulture elle-même. Viticult. Nouvelle 6(58):2-4. Feb.1953. 390.8 V832

41575 FOUILLAND, G. Piquetage et attachage des vignes. Réveil Agr. 62:36-37. Feb.1,1953. 13 R322

41576 FOUILLAND, G. Le piquetage et l'attachage des vignes. Bouches du Rhône Agr. 25(1091):13. Feb.1, 1953. 14 B662

41577 FOUILLAND, G. Vignerons soignez vos vins! Bouches du Rhône Agr. 25(1089):13. Jan.1,1953. 14 B662

41578 FRIGERIO, J. C. El grosellero. Chacra 23 (267):56-57. Feb.1953. 9 C34

41579 GALLAY, R., BOVEY, R., and PERRAUDIN, G. La sélection du fraisier en Valais. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:6-8. Jan.1953. 17 J82A

41580 GALLETTA, G. J. Three new blueberry varieties for New Jersey. N. J. Agr. Expt. Sta. Cranberry-Blueberry Res. Lab. Annu. Blueberry Open House 21:8-10. Dec.5,1952. 94.35 N46A

41581 GALLETTI, A. C. A good plan for grape rows on the plain. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.) 99:9-10. Jan.1953. 16 C72

41582 GENDERS, R. Perpetual strawberries. Countryman [Burford] 47:58-60. Spring 1953. 281.28 C832

41583 GONDART, J. Sur le Seibel 14.514 dans le Biterrois. Viticult. Nouvelle 6(58):26. Feb.1953. 390.8 V832

41584 GUERDER, G. Cas de mortalité dans les vignes. Rev. Agr. de l'Afrique du Nord 51:67-68. Jan. 16,1953. 80 R326
Graft incompatibility.

41585 GUERDER, G. Les courants de sève et la taille de la vigne. Rev. Agr. de l'Afrique du Nord 51:32-35. Jan.9,1953. 80 R326

41586 GUILLOT, R. Essai provisoire de synonymie des cepages du Centre-Ouest. Prog. Agr. et Vitic., Mar.1/8,1953:137-139. (Cont.) 14 P94

41587 HAMBROUCK, K. Care of strawberry plants. (In Flemish.) Cult. en Handel 19:104-105. Feb.1953. 80 C892

41588 HARRIS, M. R. Have popular raspberry varieties "run out?" Better Fruit 47(9):6-7,23. Mar. 1953. 80 B46

41589 IVANOVA, E. B. Muscadine grape varieties in Central Asia. (In Russian.) Vinodel. i Vinograd. SSSR. 13:36-40. Jan.1953. 95.8 V77

41590 KARADZHI, G. M. Accelerated formation of grapevines when grafted on rootstocks already planted in vineyards. (In Russian.) Vinodel. i Vinograd. 12(9):36-38. Sept.1952. 95.8 V77

41591 KHAIDARKULOV, G. Panseri grape variety. (In Russian.) Sad i Ogorod 1:47. Jan.1953. 80 Sa13

41592 KOROBETS, P., and SINITSA, N. Size of square and character of windbreaks for non-irrigated vineyards in the lowlands. (In Russian.) Vinodel. i Vinograd. 12(9):48-50. Sept.1952. 95.8 V77

41593 LAUBER, H. J. Eine bei uns wenig bekannte veredlungsart. Schweiz. Z. f. Obst- u. Weinbau 62:51-52. Feb.7,1953. 80 Sch9
Grapes.

41594 LEVADOUX, L. Remarques sur les origines du vignoble bordelais. Prog. Agr. et Vitic., Mar.1/8, 1953:118-122. 14 P94

41595 LUK'ĬANOV, A. D. Principles of prospective plans for grape growing on kolkhozes. (In Russian.) Sad i Ogorod 12:33-36. Dec.1952. 80 Sa13

41596 MAGILL, W. W. Commercial strawberry growing in 1953. Tenn. State Hort. Soc. Proc. 47:31-33. 1952. 81 T25
Kentucky.

41597 MANZONI, G. Considerations on the anatomical differences in roots of root cuttings of Vitis vinifera, V. riparia, V. rupestris and V. berlandieri. (In Italian.) Ann. della Sper. Agr. (n.s.)7:299-337. 1953. 16 An76
English summary.

41598 MARIMAN, A. La viticulture septentrionale. Viticult. Nouvelle 6(58):7-8. Feb.1953. 390.8 V832

41599 MARKIN, M. I. Methods for experimental work in vineyards. (In Russian.) Vinodel. i Vinograd. SSSR. 11:52-55. Nov.1952. 95.8 V77

41600 MARQUIS, C. Champ de comportement de Courtine-les-Avignon. Viticult. Nouvelle 5(57):26-28. Jan.1953. 390.8 V832

41601 MIKHAILOVA, P. V. Hybrid seedlings for unprotected grape growing in Central Asia. (In Russian.) Vinodel. i Vinograd. 12(9):45. Sept.1952. 95.8 V77

41602 MOROZOVA, G. S. Decreasing loss of grape rootstocks. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):46-47. Feb.1953. 95.8 V77

41603 MOS, D. DE. Golden Champion or White Alicante? (In Dutch.) Groenten en Fruit 8:476-477. Jan. 1,1953. 80 G89

41604 MOTOVILOV, D. S. Grapes in Siberia. (In Russian.) Sad i Ogorod 11:32-34. Nov.1952. 80 Sa13

41605 MUSER, H. Aus dem tagebuch des winzers. Bauern-Ztg. 6(8):6. Feb.27,1953. 18 B324
Grape culture in Germany.

41606 NEUNER, J. Die misserfolge in den rebschulen 1952. Landwirtschaft 3/4:50-51. Feb.1953. 19 L235

41607 NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. CRANBERRY-BLUEBERRY RESEARCH LABORATORY. 21st annual blueberry open house, held at Pemberton, N. J., December 5, 1952. New Brunswick, 1952. 17 p. 94.35 N46A

41608 ORLOVA, T. G. Alteration of [grape] cuttings. (In Russian.) Vinodel. i Vinograd. SSSR. 13:44-45. Jan. 1953. 95.8 V77
Propagation.

41609 PANEVIN, K. S. Our method for growing [grape] seedlings. (In Russian.) Vinodel. i Vinograd. SSSR. 13:48-50. Jan.1953. 95.8 V77

41610 PANYCH, N. T. Innovations of grape growers on the Molotov sovkhoz. (In Russian.) Vinodel. i Vinograd. SSSR. 11:59-60. Nov.1952. 95.8 V77

41611 PANYCH, N. T. "Rejuvenation" of grape roots. (In Russian.) Sad i Ogorod 12:36-38. Dec.1952. 80 Sa13

41612 PIROVANO, A. Les hybrides et leurs exigences physiologiques. Viticult. Nouvelle 5(57):9-11. Jan.1953. 390.8 V832

41613 PODRAZHANSKII, A. L. Pruning grapes. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):36-46. Feb. 1953. 95.8 V77

41614 RAMPAL, L. L'étude pratique du comportement des porte-greffes. Réveil Agr. 62(2645):1-2. Feb. 15,1953. 14 R322
Grapes.

41615 RAMPAL, L. Notions à considérer pour le choix des porte-greffes de la vigne. Réveil Agr. 62:33-35. (Cont.) Feb.1,1953. 13 R322

41616 ROJON, P. Un grand hybrideur méridional. Viticult. Nouvelle 5(57):11-14. Jan.1953. 390.8 V832

41617 ROJON, P. La grêle vaincue. Viticult. Nouvelle 6(58):6-7. Feb.1953. 390.8 V832
France.

41618 ROJON, P. Visite à un grand champ d'expériences national. Viticult. Nouvelle 6(58):11-14. Feb. 1953. 390.8 V832
France.

41619 SCHALK, A. S. Planting raspberries. (In Dutch.) Fruitteelt 43:81. Jan.31,1953. 86 N28

41620 SCHMIDT, H. Sortenfragen im himbeeranbau. Hess. Obstbau 8:9-10. Jan.1953. 80 G1932

41621 SERMAN, N., and STEFANIC, I. Application of physico-chemical theories in viticulture. (In Serbo-Croatian.) Biljna Proizvodnja 5:225-230. Sept./Oct. 1952. 64.8 B49

41622 SERZHENKO, S. S. Grape culture in the new Five-Year Plan. (In Russian.) Sad i Ogorod 11:29-31. Nov.1952. 80 Sa13

41623 SHAKSEL', E. G. Ever bearing strawberries. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:97-98. 1952. 451 M854

41624 SHAULIS, N., KIMBALL, K., and TOMKINS, J. Training and trellising Concord grapes for high yields. Farm Res. [N. Y. Sta.] 19:2. Jan.1953. 100 N48A

41625 SIEV, S., and TICHO, Y. Raisin grape growing. (In Hebrew.) Hassadeh 33:151-154. Dec.1952. 26 H27

41626 SLATE, G. L., BRAUN, A. J., and MUNDINGER, F. G. Raspberry growing; culture, diseases, and insects. N. Y. Agr. Col. Cornell Ext. B. 719,rev.,68 p. Jan.1953. 275.29 N48E

41627 SLUVKO, N. M. Grape crop in proportion to number of buds on vines. (In Russian.) Sad i Ogorod 1: 46-47. Jan.1953. 80 Sa13

41628 SOLDATOV, P. K. Grape culture in the Fergana Valley. (In Russian.) Vinodel. i Vinograd. SSSR. 11: 41-42. Nov.1952. 95.8 V77

41629 SOLDATOV, P. K. Valuable big-berry, white Kishmish [grape] variety. (In Russian.) Sad i Ogorod 11: 34-36. Nov.1952. 80 Sa13

41630 STOUT, A. B. New seedless grapes. Gard. J. 3:56. Mar./Apr.1953. 80 G1635

41631 STROGANOV, N. A. Prospects for developing grape culture in the Volga-Caspian region. (In Russian.) Vinodel. i Vinograd. SSSR. 12:8-10. Dec.1952. 95.8 V77

41632 THERON, C. J. The selection of grape stocks for propagation. (In Afrikaans.) Wynboer 22(257):11. Feb.1953. 390.8 W724

41633 TSEITLIN, M. G. Increase in crop of "Kishmish Belyi" grape variety. (In Russian.) Sad i Ogorod 1:43-46. Jan.1953. 80 Sa13

41634 TSEITLIN, M. G. Yield of grapevines. (In Russian.) Vinodel. i Vinograd. SSSR. 11:27-32. Nov.1952. 95.8 V77

41635 TURKOVIĆ, Z. Erfahrungen mit hochkulturen. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:15-19. Jan.1953. 105.9 K696
English summary.
Grape culture in Croatia.

41636 UNGURIAN, P. N. Influence of meteorologic conditions upon the ripening of grapes and the quality of wine. (In Russian.) Vinodel. i Vinograd. SSSR. 12:37-42. Dec.1952. 95.8 V77

41637 WANDELER, C. DE., and CHALTIN, G. Que faire l'hiver, dans la serre à vignes? Cour. Hort. 15: 18-19. Jan.1953. 80 C834

41638 WEAVER, R. J. Berry size of seedless grapes; growth regulator alone or in combination with girdling increases berry size of seedless varieties. Calif. Agr. [Calif. Sta.] 7:7,15. Jan.1953. 100 C12Cag

41639 WIEMER, E. Betrachtungen zur pfropfrebenherstellung. II. Deut. Weinbau 8:89-90. Feb.20,1953. 390.8 W432

41640 WILCOX, A. N., WINTER, J. D., and TRANTANELLA, S. Freezing quality in strawberry breeding. Minn. Farm & Home Sci. [Minn. Sta.] 10(2):6, 11. Feb.1953. 100 M668

41641 WINKLER, A. J. Producing table grapes of better quality. Blue Anchor 30:28-31. Feb.1953. 286.83 B62

41642 ZIMMERMANN. Die badischen unterlagenschnittgärten und ihre holzreife 1952. Bauern-Ztg. 6(2): 6. (Cont.) Jan.16,1953. 18 B324
Grapes.

41643 ZIMMERMANN, J. Bestimmung der holzreife und ergebnisse für die unterlagen 1952. Deut. Weinbau 8: 87-89. Feb.20,1953 390.8 W432

41644 ZOTKIN, I. I. Reconstruction of too closely planted grapes without removing branches. (In Russian.) Vinodel. i Vinograd. SSSR. 13:45-46. Jan.1953. 95.8 V77

Nuts

41645 BRIERLEY, W. G. Hormones help black walnut root grafts. Minn. Hort. 81:44. Mar.1953. 81 M66

41646 DEKKER, P. Walnut culture with a future. (In Dutch.) Groenten en Fruit 8:496. Jan.8,1953. 80 G89

41647 DEKKER, P. Walnut varieties. (In Flemish.) Cult. en Handel 19:92-95. Feb.1953. 80 C892

41648 GORSHKOV, I. S. Cultivation of nut trees [in shelterbelts]. (In Russian.) Les i Step' 4(11):22-25. Nov. 1952. 99.8 L565

41649 KALMYKOV, S. S. Group plantings of walnut [Juglans regia] in Kazakhstan. (In Russian.) Lesn. Khoz. 5(10):38-41. Oct.1952. 99.8 L5622

41650 MCKAY, J. W. Grafting nut trees. Amer. Fruit Grower 73(3):20,50-51. Mar.1953. 80 G85

41651 MAURER, K. J. Ein beitrag zur walnussfreilandveredlung. Obst u. Garbau.7:180-182. Dec.1952. 80 Ob75

41652 MAURER, K. J. Ist der Juglans regia für monophylla-sämling eine zwergunterlage für die anzucht von walnussbuschbäumen? Obstbau 72:28. (Cont.) Feb. 1,1953. 80 Ob73

41653 MAURER, K. J. Der walnussbaum im landwirtschaftlichen betrieb. R. der Landfrau 4:30. Jan.22, 1953. 18 L2347

41654 OZOL, A. M. Peculiarities of blooming and fruit-bearing in Persian walnut [Juglans regia] under conditions of Moscow Area. (In Russian.) Lab. Evolîûts. Ekol. Rast. im. B. A. Kellera. Trudy 3:106-124. Ref. 1952. 451 Ak13

41655 PINCHUK, M. G. More extensive introduction of nut tree species into shelterbelts. (In Russian.) Les i Step' 4(11):18-22. Nov.1952. 99.8 L565

41656 SHCHEPOT'EV, F. L. Developing types of walnuts resistant to late frosts in spring. (In Russian.) Lesn. Khoz. 6:69-70. Jan.1953. 99.8 L5622

Shade Trees and Ornamental Plants

41657 ABE, S., and TAMURA, T. On the variation in spontaneous plants of Lilium speciosum. (In Japanese.) Kyushu Noji Shikenjo 10:33-37. Sept.1952. 107.6 K996

41658 AGARD, H. An introduction to the art of dwarfing trees. Calif. Hort. Soc. J. 14:29-33. Jan.1953. 81 C1293

41659 ALEXANDER, A. M. Growing & sharing flowers. Mo. Agr. Col. Ext. 4-H Club C. 106,19 p. Nov. 1952. 275.29 M69B

41660 ALFEROV, V. A. Experience in propagation of lilies from seeds. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:70-73. 1952. 451 M854

41661 ALTHAUSEN, H. Miltonia cloweslı and Epidendrum longispathum. Amer. Orchid Soc. B. 22:202-203. Mar.1953. 80 Am329

41662 AMELINCKX, F. A new red Acer. (In Flemish.) Cult. en Handel 19:116-117. Feb.1953. 80 C892

41663 AMELINCKX, F. Public plantings in connection with the urbanization of towns and large villages. (In Flemish.) Cult. en Handel 19:120-121. Feb.1953. 80 C892

41664 ANDERSON, E. L. Forcing bloom for the spring garden show. Calif. Hort. Soc. J. 14:17-22. Jan. 1953. 81 C1293

41665 ANLEY, G. Iris speculatrix. Iris Ybk. 1952: 96. 84 Ir4

41666 ARNOLD, R. E. Dendrobium signatum. Orchid Rev. 61:30-32. Feb.1953. 80 Or15

41667 BACKEBERG, C. Spanish succulent collections. Cactus & Succulent J. Gt. Brit. 15:20-21. Jan.1953. 450 C113

41668 BAILEY, C. O. Fun with wild flowers in central Florida. Fla. Nat. 26:5-13. Jan.1953. 413.9 F66F

41669 BARNES, A. T. A century of Dahlias. Gard. Illus. 70:65-67. Mar.1953. 80 G169

41670 BARTON, G. The world's largest rose garden. Rose 1:104-106. Winter 1952/53. 96.1 R725
Bulgaria.

41671 BARTRUM, D. Training roses on trees. Rose 1:117-119,136. Winter 1952/53. 96.1 R725

41672 BAUDEWIJN, J. New Gladiolus varieties. (In Flemish.) Tuinbouwberichten 17:27. Feb.15,1953. 80 T817

41673 BAUGH, F. A. Growing Vandas in the San Francisco Bay area. Amer. Orchid Soc. B. 22:171-174. Mar.1953. 80 Am329

41674 BEAUMONT, J. H., and STOREY, W. B. Luisianda—a new bigener. Pua Okika o Hawaii Nei 2:105-106. Jan.1953. 80 P963

41675 BEDDALL, J. L. Colour hedges. London, Faber & Faber,1953. 96 p. 97.31 B39

41676 BEER, A. Zur kultur der orchideen. Gart.—Z. Illus. Flora 76:18-21. Feb.1953. 80 G1991

41677 BEIJER, J. J. Experiments on the retardation of Dutch Irises. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 98:268-286. May 1952. 90.17 L69
Reprinted from Acta Botanica Neerlandica, v. 1, 1952.

41678 BEIJER, J. J. De ontwikkelingsstadia van de tulp [Stages of development of the tulip]. Inst. v. Phytopath. Lab. v. Bloembollenonderz. [Meded.] 92,7 p. May 1952. 90.17 L69

41679 BEL'SKAĬA, T. N. Gloxinia. (In Russian.) Priroda 42(2):104-107. Feb.1953. 410 P933

41680 BLACKBURN, B. The plant in the picture Higan [Prunus subhirtella] cherries. Pop. Gard. [Albany] 4(3):68-69,125-126. Mar.1953. 80 P812

41681 BLASDALE, W. C. Cyclamen persicum; its natural and cultivated forms. Stanford,Calif.,Stanford U. Press,1952. 49 p. 452.35 B61

41682 BLINOVSKIĬ, K. V. Landscape architecture in the zone of the Main Turkmenian canal. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:3-6. 1952. 451 M854

41683 BLOIS, P. DE. Les orchidées sont-elles difficiles à cultiver? Cour. Hort. 15:32-35. Jan.1953. 80 C834

41684 BOARDER, A. Cactus cultural notes. Cactus & Succulent J. Gt. Brit. 15:2-3. Jan.1953. 450 C113

41685 BOERS, A. Opuntia clavarioides. (In Dutch.) Succulenta 1:16. Jan./Feb.1953. 450 Su12

41686 BOĬCHENKO, E. P. Landscaping of irrigated regions in the Rostov territory. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:13-15. 1952. 451 M854

41687 BOSLEY, D. A., and BECK, G. E. How to grow African violets [Saintpaulia]. Wis. Agr. Col. Ext. C. 437, 4 p. Jan.1953. 275.29 W75C

41688 BOYLE, L. M. Out West, growing Cymbidium orchids and other flowers; the story of El Rancho Rinconada. Los Angeles,1952. 526 p. 96.2 B6920

41689 BRADLEY, R. J. Landscape planning for color and privacy. Austral. House & Gard. 8(3):40-41. Aug. 1952. 296.28 Au7

41690 BRITISH GLADIOLUS SOCIETY. The Gladiolus Annual, 1952. n.p.,1952. 107 p. 84 B772

41691 BRUYN, C. S. VAN D. DE. Utopian Gladioli. Gladiolus Annu. 1952:72-73. 84 B772
Breeding.

41692 BUCCAR, M. DE. Des orchidées australiennes croissent et fleurissent dans le sol. Nature [Paris] 3207: 213-214. July 1952. 473 N21

41693 BUCH, P. O. More about hardy Eurasian Gladiolus. Gladiolus 28:34-37. 1953. 96.43 N44

41694 BUTTERFIELD, H. M. Camellia culture for the home gardener. Calif. Agr. Col. Manual 5,24 p. 1952. 276 C121M

41695 BUZARD, J., and BUZARD, H. Camellias in the State of Washington. Camellian 4:7,17-19. Jan.1953. 97.31 C14

41696 CABRAL, A. Living hedges or fences, in the Azores; aids to their study. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):61-82. First Semes.1953. 15 Az6

41697 CHANG, A. C. Fish emulsion, a new orchid germinating medium. Amer. Orchid Soc. B. 22:200-201. Mar.1953. 80 Am329

41698 CHAPELLE, C. Successions florales dans les domaines publics et privés. B. Hort. (n.s.)8:50-54. Feb. 1953. 80 B873

41699 CHASE, S. Gladiolus in Florida. Gladiolus Mag. 17:21,23,25. Feb.1953. 96.43 N44

41700 CHEVALIER, C. Belles Acanthacées. B. Hort. (n.s.)8:39-41. Feb.1953. 80 B873

41701 CHOCHUA, T. A. Establishing year-round flower beds in Sukhim. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:77-80. 1952. 451 M854

41702 CLORE, W. J. Hardy early-blooming Chrysanthemums for irrigated central Washington. Wash. State Hort. Assoc. Proc. 48:139-143. 1952. 81 W273

41703 COCKER, H. Erica carnea. Gard. Chron. 133:58-59. Feb.14,1953. 80 G162

41704 COOKE, H. J. D. Growing Lithops. Cactus & Succulent J. Gt. Brit. 15:16-17. Jan.1953. 450 C113

41705 COUNCILMAN, E. Tea Camellia. Camellian 4:21. Jan.1953. 97.31 C14

41706 COUNT, R. D. Whence came your Fuchsias. Fuchsia Fan 13(2):4-5. Feb.1953. 96.532 F952

41707 COUTURE, U. Vos plantes de maison. Foyer Rur. [Montreal] 12(4):9,20. Feb.1953. 7 F83

41708 CRAGER, T. Garden books for the deep South: a special problem. Pub. Wk. 163:1055-1057. Feb.28,1953. 242 P962

41709 CREWDSON, C. Concerning an amateur's debt to the plant hunter. Amer. Primrose Soc. Q. 10(3): 7-9. Jan.1953. 96.575 Am3
Primulas in English gardens raised from seed and plant introductions.

41710 CUNLIFF, K. M. Trees for tomorrow. Trees So. Africa 4(3):4,6. Oct./Dec.1952. 99.8 T716

41711 DARBY, G. W. A dwarf Iris from Greece. Iris Ybk. 1952:97. 84 Ir4

41712 DARBY, G. W. Some inter-specific hybrids. Iris Ybk. 1952:109-112. 84 Ir4

41713 DAVIS, B. A. Growing cascade Chrysanthemums. Flower Grower 40(3):9,122-123. Mar.1953. 80 M72

41714 DEBRUS, J. Le rempotage des plantes d'appartement. Cour. Hort. 15:92-93. Feb.1953. 80 C834

41715 DECKER, J. S. Our orchid-house month by month. (In Portuguese.) São Paulo. Dir. de Publicidade Agr. B. de Agr. 51:347-471. 1950,pub.1952. 9.2 Sa63

41716 DEKKER, P. A walk through Danish flower gardens. (In Dutch.) Zaad-, Bloem- en Bollenwereld 16: 420,423. Nov.1952. 61.8 Z12
Greenhouse culture of ornamentals.

41717 DENTON, W. Notes on Euphorbias. Cactus & Succulent J. Gt. Brit. 15:4-5. Jan.1953. 450 C113

41718 DOOLEY, G. Hybridizing notes. No. Amer. Gladiolus Council B. 33:33,35,37,39. Mar.1953. 96.43 N81

41719 DOPF, K. Entwicklung der orchideenkultur in Europa. Gart.—Z. Illus. Flora 76:13-15. Feb.1953. 80 G1991

41720 DORMON, C. Louisiana Iris. Gard. J. 3:52-53. Mar./Apr.1953. 80 G1635

41721 DRINKWATER, G. H. Pruning to reduce blind wood. Amer. Rose Mag. 11(3):8-9. Mar.1953. 80 Am327A

41722 DUBROVITSKAĬA, N. I., and FURST, G. G. Regeneration capacity of the peony depending on the age of its rootstocks. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:42-49. 1952. 451 M854

41723 EDWARDS, MRS. C. E. Cypripediums for the fashionable lady this winter. Orchid Digest 17:16-18. Jan./Feb.1953. 80 Or172

41724 EIFERT, V. S. Flowers that bloom in the spring. Rev. Springfield,1952. 48 p. (Illinois. State Museum. Story of Illinois Series 4) 455.24 Ei3

41725 ELIOVSON, S. Some shrubs for the small garden. Trees So. Africa 4(3):3. Oct./Dec.1952. 99.8 T716

41726 ELLIOTT, H. G. Lawns, their establishment and management. West. Austral. Dept. Agr. J. (ser.3)1: 749,751,753,755,757-760. Nov./Dec.1952. 23 W52J

41727 ELTER, L. Procédés de multiplication des arbustes et arbrisseaux d'ornement. Cour. Hort. 15:90-91. (Cont.) Feb.1953. 80 C834

41728 FANCIER, A. Cacti. (In Dutch.) Succulenta 1: 1-6. Jan./Feb.1953. 450 Su12

41729 FENNER, C. A modern city forestry program. Arborist's News 18:13-17. Feb.1953. 99.8 Ar14
Street trees.

41730 FLETCHER, H. C. The tall bearded Irises of 1952. Iris Ybk. 1952:98-103. 84 Ir4

41731 FOGG, H. G. W. Gladioli under glass. Gladiolus Annu. 1952:56,58. 84 B772

41732 FORT, E. Adventures with Begonias. Gard. J. 3:42-44. Mar./Apr.1953. 80 G1635

41733 FORTNAM, B. These varieties were outstanding. Canad. Gladiolus Soc. Annu. 1953:67,69,71. 82 C164Q

41734 FOTHERGILL, H. S. Iris hoogiana and thereabouts. Iris Ybk. 1952:113-115. 84 Ir4

41735 FOTHERGILL, H. S. Running off the lines. Iris Ybk. 1952:93-96. 84 Ir4
Breeding.

41736 FREE, M. Perennial clean-up. Home Gard. 21(3):14-16. Mar.1953. 80 H756
Ornamental plants.

41737 FUJIO, R. T. Dendrobium hawaii. Pua Okika o Hawaii Nei 2:107-109. Jan.1953. 80 P963

41738 FURUTA, T. Propagation of Chrysanthemums. Natl. Chrysanthemum Soc. B. 9:23-27. Mar.1953. 96.519 Ea7

41739 GALLE, F. C., and ALEXANDER, J. S. Hardiness test of several Camellia japonica and Camellia sasanqua varieties. Camellia Rev. 14(4):3,15. Jan.1953. 97.31 So82

41740 GATES, H. E. Mexico. Cactus & Succulent J. Gt. Brit. 15:6-9. (Cont.) Jan.1953. 450 C113
Cactaceae seen on trip from El Paso, Texas, to Mexico City.

41741 GOLOVACH, A. G. Experiments in transplanting big trees from the city of Pushkin into Leningrad. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:153-167. 1952. 451 Ak15

41742 GRANT, C. R. G. Growing plants in pots & tubs. Agr. Gaz. N. S. Wales 63:625-627,667-668. Dec. 1952. 23 N472

41743 GRAY, W. A. Laeliocattleya S. J. Bracey. Orchid Digest 17:28-29. Jan./Feb.1953. 80 Or172

41744 GREEN, G. G. Frame culture. Cactus & Succulent J. Gt. Brit. 15:10,15. Jan.1953. 450 C113
Frame-growing in the propagation and culture of cacti and succulents.

41745 GRIFFIN, F. Cleft grafting. Camellian 4:25-26. Jan.1953. 97.31 C14

41746 GROENEVELDT, H. Dendrobium stratiotes and Dendrobium leporinum. Orchid Rev. 61:28-30. Feb.1953. 80 Or15

41747 GROSSBARD, E. The English and their gardens. Gard. Club Amer. B. 41(2):51-53. Mar.1953. 90.32 G16

41748 HAGER, F. D. Cymbidium moira as a specimen plant. Orchid Rev. 61:24-25. Feb.1953. 80 Or15

41749 HAGER, H. Growing Cattleyas from seed to flower in 2-1/2 years. Orchid Digest 17:12-16. Jan./Feb.1953. 80 Or172

41750 HALE, O. Choose resultful flowers for home beautification. Wash. State Hort. Assoc. Proc. 48:145-151. 1952. 81 W273

41751 HALL, H. Cacti in South Africa. Cactus & Succulent J. Gt. Brit. 15:18-19. Jan.1953. 450 C113

41752 HALLOWELL, C. K. Lawn renovating routine. Pop. Gard. [Albany] 4(3):58-59,90-91. Mar.1953. 80 P812

41753 HAMPIKIAN, H. Pitfalls of landscaping your homegrounds. MEGA 13:37-39. Mar.1953. 90.32 M52B

41754 HANGER, F. Hippeastrums today and tomorrow. Gard. Illus. 70:68. Mar.1953. 80 G169

41755 HART, G. M. Practical pruning: roses. I. Org. Gard. 21(3):28-29,61,75. Mar.1953. 56.8 Or3

41756 HASTINGS, W. R. One 1954 All-America Selection is Blaze Zinnia. Seed World 72(5):12. Mar.6, 1953. 61.8 Se52

41757 HASTINGS, W. R. Only one All-America Selection winner 1954; a Zinnia is the one flower recommended for introduction in 1954—no vegetable awards. Seed Trade News 60(9):1,3. Mar.4,1953. 61.8 Se3

41758 HAWORTH-BOOTH, M. A garden of trees. Country Life [London] 113:340-341. Feb.6,1953. 80 C83

41759 HAY, R. Setting for an ideal home; as a harsh winter ends, the exhibition at Olympia provides some ideas that can be used in the garden. Field 201:356-357. Mar.5,1953. 10 F45
The Ideal Home Exhibition.

41760 HELLER, L. N. A Wardian case. I. Orchid Digest 17:25-26. Jan./Feb.1953. 80 Or172

41761 HELLYER, A. G. L. Plants for dry walls. Country Life [London] 113:410-411. Feb.13,1953. 80 C83

41762 HILLARY, C. C. Daffodils [Narcissus] for everyone. West. Austral. Dept. Agr. J. (ser.3)1:767-770. Nov./Dec.1952. 23 W52J

41763 HIRT, R. R. Growing holly in the North. MEGA 13:40. Mar.1953. 90.32 M52B

41764 HOLLAMBY, C. Growing experiences. Sweet Pea Annu. 1953:60. 84 N214A

41765 HOPKINS, D. P. Your lawn for 1953. Rose 1: 125-127. Winter 1952/53. 96.1 R725

41766 HOUSE Beautiful's practical gardener, 14, 1953. New York,1953. 112 p. 80 H813

41767 HUBBARD, F. C. Tree Wisterias from seed to vine, to tree form in three years. Pop. Gard. [Albany] 4(3):54-55,97. Mar.1953. 80 P812

41768 HUGENTOBLER, H. Zierwert der wildgräser. Schweiz. Gärtztg. 56(8):2-5. Feb.26,1953. 80 G1939

41769 HUGHES, F. G. Changes and improvements in Gladioli. Gladiolus Annu. 1952:42,44-45. 84 B772

41770 IABROVA, V. S. Appropriate use of ornamental flora of Abkhaz. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:88-102. Ref. 1952. 451 M854
Landscape gardening.

41771 INGWERSEN, W. Hardy aroids of garden value. Gard. Chron. 133:68. Feb.21,1953. 80 G162

41772 JACOBSEN, H. Kakteen und andere sukkulenten. Aachen,Deutsche Gärtnerbörse,1952. 93 p. 96.3 J15

41773 JARDINERO, C. The Imperial family. Begonian 20:49-53. Mar.1953. 96.511 B39
Begonia imperialis.

41774 JEFFERS, R. H. Gladioli of the Cape Peninsula: a review. Gladiolus Annu. 1952:41-42. 84 B772

41775 JENKINS, J. M., HAASIS, F. A., and RITCHER, P. O. Growing Gladiolus in North Carolina. N. C. Agr. Col. Ext. C. 373,23 p. Jan.1953. 275.29 N811

41776 JOHNSON, A. T. Vigour in the albino. Gard. Illus. 70:63-64. Mar.1953. 80 G169
Hardiness in ornamental plants.

41777 JOHNSON, MRS. C. Furcraea roezlii in Mendocino County. Calif. Hort. Soc. J. 14:23-29. Jan.1953. 81 C1293

41778 JOHNSON, E. W. Ornamental hedges for the southern Great Plains. U. S. D. A. Farmers' B. 2055, 21 p. Feb.1953. 1 Ag84F

41779 JORGENSEN, S., and LARSEN, Ø. Modern potted plant of Chrysanthemum. (In Norwegian.) Gartneryrket 43:35-40. Jan.17,1953. 80 G1938

41780 JORY, S. L. The lure of Onco-breeding. Iris Ybk. 1952:79-82. 84 Ir4

41781 JOVET, P. Phénomènes analogues maís intermittents chez les orchidées de nos régions. Nature [Paris] 3207:214-216. July 1952. 473 N21
France.

41782 KAMEMOTO, H. Further studies on polyploid Cattleyas. Pacific Orchid Soc. Hawaii. B. 10:141-149. Dec.1952. 96.2 P11

41783 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Border planting, by C. E. Parks and L. R. Quinlan. Manhattan,1952? 9 p. 275.2 K41Bo

41784 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Foundation plantings, by L. R. Quinland and C. E. Parks. Manhattan?1952? 3 p. 275.2 K41Fou

41785 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Kentucky bluegrass [Poa pratensis] lawn, by L. R. Quinlan and C. E. Parks. Manhattan,1952? 2 p. 275.2 K41Ke

41786 KARNOPP, MRS. J. Notes on native American Primulas. Amer. Primrose Soc. Q. 10(3):5-6. Jan.1953. 96.575 Am3

41787 KELLENBERGER, F. S. Achimenes—warm weather treasures. Horticulture 31:102. Mar.1953. 80 H787

41788 KELLY, R. B. From seed to bulb. Gladiolus 28:129-132. 1953. 96.43 N44

41789 KING, G. S. Training qualified tree men. Natl Shade Tree Conf. Proc. 28:19-22. 1952. 99.9 N218

41790 KIRCH, W. Hawaiian Epidendrum hybrids. Amer. Orchid Soc. B. 22:167-170. Mar.1953. 80 Am329

41791 KLEIN, L. G. The "Heirloom" story. Pop. Gard. [Albany] 4(3):92-94. Mar.1953. 80 P812
Rose-orchid Gladiolus.

41792 KLUEBER, W. F. Modified hydroponic culture of Phalaenopsis. Orchid Digest 17:27-28. Jan./Feb. 1953. 80 Or172

41793 KNOWLES, R. H. Noteworthy ornamentals. Alberta. U. Dept. Plant Sci. Seasonal Notes 38:10-11. Jan.3,1953. 64.9 AL12
Canada.

41794 KNOWLTON, H. W. The American Iris Society recommends the 100 best Iris. Pop. Gard. [Albany] 4(3):60-61,108. Mar.1953. 80 P812

41795 KNOWLTON, H. W. Iris travels in 1952. Iris Ybk. 1952:59-71. 84 Ir4
Varieties seen on an American trip.

41796 KNUTSSON, A. Crossandra undulaefolia; new introduction from India. Florists' Rev. 111(2882):28. Feb.19,1953. 80 W41

41797 KOLAKOVSKIĬ, A. A. Groves of Abkhaz and their role in landscaping of resort zones. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:24-29. Ref. 1952. 451 M854

41798 KRAFT, H. D. Acer. (In Dutch.) Zaad-, Bloem- en Bollenwereld 16:439-440. Nov.1952. 61.8 Z12

41799 KRIECHBAUM. Nährböden für orchideenanzucht aus samen. Gart.—Z. Illus. Flora 76: 17-18. Feb. 1953. 80 G1991

41800 KROMDIJK, G. Begonia multiflora. (In Flemish.) Cult. en Handel 19:113-115. Feb.1953. 80 C892

41801 LAIDLAW, D. New World Gladioli. Gladiolus Annu. 1952:37-38. 84 B772

41802 LAMMERTS, W. E. The men who judge our roses. Horticulture 31:94-95,128. Mar.1953. 80 H787

41803 LARUS, C. T. What we have learned about Gladiolus varieties in our test gardens. Gladiolus 28: 42-59. 1953. 96.43 N44

41804 LIDDELL, R. W. Notes on germinating Cypripedium seed. Amer. Orchid Soc. B. 22:195-197. Mar.1953. 80 Am329

41805 LISTER, C. M. A gardener's observations. Sweet Pea Annu. 1953:91-94. 1953:91-94. 84 N214A

41806 LIVINGSTON, A. E. A garden in the Burns country. Gard. Illus. 70:60-61. Mar.1953. 80 G169
Doonholm, Ayshire, Scotland.

41807 LOOMIS, H. F. Brassavola glauca. Amer. Orchid Soc. B. 22:190-191. Mar.1953. 80 Am329

41808 LOWELL, F. E. A lawn by any other name. Org. Gard. 21(2):37. Feb.1953. 56.8 Or3
Dichondra.

41809 LOWRY, G. R. Cymbidiums in Missouri. Amer. Orchid Soc. B. 22:186-190. Mar.1953. 80 Am329

41810 LOZINA-LOZINSKAÍA, A. S. Auricula in garden arrangements. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:69-73. 1952. 451 M854

41811 LOZINA-LOZINSKAÍA, A. S. Primroses in landscape gardening. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:168-229. Ref. 1952. 451 Ak15

41812 LUNDSTAD, A. Planting and care of a rose border. (In Norwegian.) Kolonihagen 23:9-11. Feb.1953. 80 K83

41813 MCCULLY, A. Plants for the water's edge. Home Gard. 21(3):61-64. Mar.1953. 80 H756

41814 MCGREDY, S. Towards better roses. Rose 1: 113-116. Winter 1952/53. 96.1 R725

41815 MACKENZIE, A. W. Further notes on some American species. Iris Ybk. 1952:107-109. 84 Ir4

41816 MCKENZIE, M. A. Program of Shade Tree Laboratories of University of Massachusetts. Natl. Shade Tree Conf. Proc. 28:71-73. 1952. 99.9 N218

41817 MCMINN, H. E. Manzanitas [Arctostaphylos] for garden use on the Pacific Coast. Arboretum B. 15: 14-17,29-30. Spring 1952. 451 Ar1

41818 MALMO, B. G. Clematis. Arboretum B. 15: 11,34-35. Spring 1952. 451 Ar1

41819 MANIGAULT, E. L. How to prune broad-leaved evergreens. Home Gard. 21(3):45-50. Mar.1953. 80 H756

41820 MANSKE, R. H. The lure of orchids. Roy. Canad. Inst. Proc. (ser.3a)17:26-27. 1951/52. 517 T63P

41821 MARCHAL, A. Les Phlox. Cour. Hort. 15: 36-39. Jan.1953. 80 C834

41822 MARKS, Z. In sunlight? Certainly! Camellia Rev. 14(4):8-9. Jan.1953. 97.31 So82
Camellia culture in California.

41823 MARNETTE, J. Les glaieuls á grandes fleurs. B. Hort. (n.s.)8:85-87. Mar.1,1953. 80 B873

41824 MARTIN, R. R. Growing Gladiolus in New Zealand. Gladiolus 28:18-20. 1953. 96.43 N44

41825 MARTIN, V. VON. Report of the German Iris Society (Deutsche Iris Gesellschaft) for 1951-1952. Iris Ybk. 1952:115-116. 84 Ir4

41826 MASTRANGEL, W. The golden ball cactus [Notocactus leninghausii]. Cactus & Succulent J. 25:25. Jan./Feb.1953. 451 C11

41827 MAWDSLEY, H. Brilliance for beginners. Gladiolus Annu. 1952:60-62. 84 B772
Breeding.

41828 MAY, R. M. Jardins alpins et de rocailles. Nature [Paris] 3206:178-180. June 1952. 473 N21

41829 MEIJER, G. L. Caladiums all year round? (In Dutch.) Vakbl. v. de Bloemisterij 8:31. Jan.23,1953. 80 V22

41830 MERKENSCHLAGER, F. Zum jubiläum einer blume: Zinnia elegans. Unser Wegweiser im Obstbau, Gart. Kleintierhof 8:5. Jan.1953. 18 Un7

41831 MERKER, H. The beauty Rhododendron. (In Swedish.) Trädgårdstidningen 25:15-17,28. Jan.1953. 80 T67

41832 MILO, J. Gladiolus varieties: I grow them and reap. Gladiolus Mag. 17:1-3,5-7,9-11,13-15,17-19. Feb.1953. 96.43 N44

41833 MILTON, W. T. Germination of bearded Iris seed. Iris Ybk. 1952:54-58. 84 Ir4

41834 MODE, S. My favorite European varieties. Gladiolus 28:60-65. 1953. 96.43 N44

41835 MOORE, E. G. Now Azaleas move North. Farm J. 77(4):78,102,104. Apr.1953. 6 F2212

41836 MULLER-IDZERDA, A. C. What gives color to the winter. (In Dutch.) Floralia 73:10-13. Jan.14,1953. 80 F6613
Ornamentals.

41837 MULLIGAN, B. O. Note on Manzanitas in the Arboretum, Seattle. Arboretum B. 15:17. Spring 1952. 451 Ar1

41838 MUNZ, P. A. Rancho Santa Ana Botanic Garden. Gard. J. 3:36-37,44. Mar./Apr.1953. 80 G1635

41839 NATIONAL SHADE TREE CONFERENCE. Proceedings twenty-eighth conference, August 18, 19, 20, 21 and 22, 1952, Boston, Massachusetts. Wooster,Ohio, 1952. 235 p. 99.9 N218
Includes Proceedings of Nineteenth Western Chapter, National Shade Tree Conference, May 14, 15 and 16, 1952, Pasadena, California, p. 189-235.

41840 NAZAREVSKIĬ, S. I. Canna. (In Russian.) Priroda 41(11):118-119. Nov.1952. 410 P933

41841 NAZAREVSKIĬ, S. I. Inventory and evaluation of flowering ornamental plants. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:81-87. 1952. 451 M854

41842 NOBLE, M. Orchids as house plants. Horticulture 31:96-97,118. Mar.1953. 80 H787

41843 NORMAN, A. Pruning. Rose 1:89-92. Winter 1952/53. 96.1 R725

41844 NORTHEN, R. T. Cypripediums. Amer. Orchid Soc. B. 22:175-180. Mar.1953. 80 Am329

41845 OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE AGRICULTURAL EXTENSION SERV. Flower gardening, by V. H. Ries. V. Columbus,1952. 12 p. 275.29 Oh32Fo
4-H Club project.

41846 OLSCHOWY, G. Der gärtner und die landespflege. Tech. f. Bauern u. Gärt. Ausg. G 5:60-61. Feb. 10,1953. 58.8 T223G

41847 OPPENHEIMER, H. Roses under glass. Rose 1:122-124. Winter 1952/53. 96.1 R725

41848 OSBORNE, D. The magic of Iris kaempferi. Iris Ybk. 1952:51-52. 84 Ir4

41849 OTTERLOO, J. W. VAN. Berberis for gardens and parks. (In Flemish.) Tuinbouwberichten 17:28-29. Feb.15,1953. 80 T817

41850 PANNEKOEK, G. J. Conifers for the rock garden. (In Flemish.) Cult. en Handel 19:115-116. Feb. 1953. 80 C892

41851 PETROV, G. P. Influence of sex of the parent tree upon growth and rooting of cuttings from balsam poplars. (In Russian.) Lesn. Khoz. 5(12):64. Dec.1952. 99.8 L5622

41852 PETROVA, A. A. Growing trees and shrubs without stratification of seeds. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:73-77. 1952. 451 M854

41853 PIRONE, P. P. Treated bulbs make better growth. Pop. Gard. [Albany] 4(3):70,116. Mar.1953. 80 P812

41854 PLUNKETT, H. P. Think of plants as furnishings. Horticulture 31:99,130. Mar.1953. 80 H787

41855 PODDUBNAIA-ARNOL'DI, V. A., and SELEZNEVA, V. A. Orchids. (In Russian.) Priroda 41(12):120-121. Dec.1952. 410 P933

41856 POLETIKO, O. M. Two Caucasian varieties of Campanula, wild and cultivated. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:272-293. Ref. 1952. 451 Ak15

41857 POMEROY, K. Iris-growing in Jamaica. Iris Ybk. 1952:83-84. 84 Ir4

41858 PRING, G. H., and CUTAK, L. Choose the best waterlilies for your pool. Flower Grower 40(3): 54-55,124-126. Mar.1953. 80 M72

41859 RAALTE, D. VAN. Bouvardia culture. (In Flemish.) Cult. en Handel 19:107-108. Feb.1953. 80 C892

41860 RISLEY, E. B. Colchicine, "the wonder drug." Gladiolus 28:86-88. 1953. 96.43 N44

41861 ROBINSON, J. W. Still more about those hardy glads. Gladiolus 28:38-41. 1953. 96.43 N44

41862 ROBINSON, W. A. Gladioli in Western Australia. Gladiolus Annu. 1952:74,76. 84 B772

41863 ROCKWELL, F. F. Snowflowers of spring. Home Gard. 21(3):36-39. Mar.1953. 80 H756
Galanthus and Leucojum.

41864 SACKVILLE-WEST, V. A note on Iris pumila. Iris Ybk. 1952:53-54. 84 Ir4

41865 SAMBROOK, J. Make yourself a garden with a difference. Young Farmer 21:24-26. Jan./Feb.1953. 10 Y8
Varieties of ornamental plants.

41866 SAVONET, G. Grafting of cacti and succulents. (In Flemish.) Cult. en Handel 19:109-111. Feb.1953. 80 C892

41867 SCATCHERD, J. N. Cattleyas make excellent house plants. Mo. Bot. Gard. B. 41:36-38. Feb.1953. 451 M69B

41868 SCHIESL, D. Gloxinias by the dozen. Home Gard. 21(3):25. Mar.1953. 80 H756

41869 SCOTT, E. L. Rooting Chrysanthemum cuttings. Flower Grower 40(3):58,60. Mar.1953. 80 M72

41870 SEELEY, J. G. Direct benching of carnations. Pa. Flower Growers. B. 26:1,5. Feb.1953. 80 P382

41871 SECKMAN, M. C. This year's new Chrysanthemums. Pop. Gard. [Albany] 4(3):45-46,122-125. Mar.1953. 80 P812

41872 SEEMANN, G. Orchideenanzucht aus samen. Gart.—Z. Illus. Flora 76:15-17. Feb.1953. 80 G1991

41873 SENNELS, N. J. Experiences in Freesia culture this summer. (In Danish.) Frø og Gart. 17:83-88. Winter 1952/53. 80 F92

41874 SENNELS, N. J. Travel in Norway. (In Danish.) Frø og Gart. 17:71-81. Winter 1952/53. 80 F92
Greenhouse culture of ornamentals.

41875 SHAFRANSKII, T. P. Landscape gardening along the Lenin Volga-Don Canal. (In Russian.) Les i Step' 4(10):7-13. Oct.1952. 99.8 L565

41876 SHARONOV, V. A. Vegetative propagation of Delphinium. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:66-67. 1952. 451 M854

41877 SHEEHAN, T. J. Grafting Camellias. Camellian 4:14-15,23. Jan.1953. 97.31 C14

41878 SHEPHERD, R. E. Unroselike roses. Amer. Rose Mag. 11(3):12-13. Mar.1953. 80 Am327A
Species having characteristics foreign to the genus.

41879 SHEPHERD, R. E. When you order your roses choosing suitable varieties is the first step toward success. Flower Grower 40(3):52-53,141-142. Mar.1953. 80 M72
Includes culture.

41880 SHERRARD, D. Wild Iris in Oregon. Gard. J. 3:54-55. Mar./Apr.1953. 80 G1635

41881 SHMYGUN, V. N. Preserving Dahlia bulbs. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:84-85. 1952. 451 M854

41882 SHUL'GINA, V. V. Experiments with Spirea in Leningrad. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:131-149. 1952. 451 Ak15

41883 SHUTOV, P. A. Victoria [regia and V. cruziana] in Azebaijan. (In Russian.) Priroda 41(12):122-123. Dec.1952. 410 P933

41884 SIERRA L., F. Las rosas en Colombia. Soc. Antioqueña de Agr. B. Agr. 392:3771-3776. Dec.1952. 9.4 So1

41885 SIGALOV, B. [illegible]A., and SHOKHIN, M. V. Wintering of lawns. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:73-77. 1952. 451 M854
Grass varieties to plant.

41886 SIGALOVA, N. A. Grafting Azalea. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:87-89. 1952. 451 M854

41887 SILINA, Z. M. Experiments in hybridization of tulips. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:230-271. Ref. 1952. 451 Ak15

41888 SIMONET, M. Pogocyclus Irises. Iris Ybk. 1952:126-135. 84 Ir4

41889 SMITH, W P. A practical approach to drive-in landscaping. Motion Picture Herald, Feb.7,1953:14, 16,36-37. 332.8 Ex4

41890 SKINNER, H. T. Toward hardiness in Azaleas. Gard. J. 3:33-35. Mar./Apr.1953. 80 G1635

41891 SLAUGHTER, M. P. Growing spuria Iris on the Gulf Coast. Gard. J. 3:53-54. Mar./Apr.1953. 80 G1635
Texas.

41892 SMITH, A. L. Cattleya schroederae. Amer. Orchid Soc. B. 22:198-199. Mar.1953. 80 Am329

41893 SMITH, H. J. A lawn is what you make it. Prog. Farmer, Tex. Ed. 68(3):126,128. Mar.1953. 6 T311

41894 SOKOLOV, V. S. Accelerated seed stratification of Tatarian honeysuckle [Lonicera tatarica]. (In Russian.) Lesn. Khoz. 5(8):56-58. Aug.1952. 99.8 L5622

41895 SOKOLOVA, O. V. Dwarf quince (Chaenomeles maulei C. K. Schn.). (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:150-152. 1952. 451 Ak15

41896 SOKOLOVA, O. V. Time to collect fruit and seeds of tree and shrub species in Leningrad. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:367-369. 1952. 451 Ak15

41897 SPILLER, B. L. Bees can't hybridize. Gladiolus 28:106-108. 1953. 96.43 N44

41898 STAUTEMAS, E. Erica as flowering pot plant. (In Flemish.) Tuinbouwberichten 17:29-30. Feb. 15,1953. 80 T817

41899 STAUTEMAS, E. The Erica family. (In Flemish.) Tuinbouwberichten 17:12-13. Jan.15,1953. 80 T17

41900 STEVENS, J. The misuse of Iris terms. Iris Ybk. 1952:71-73. 84 Ir4

41901 SUGE, H. Studies on the flower breeding. I. Pollen development and fertility in Agapanthus umbellatus L'Her. (In Japanese.) Jap. J. Breeding 2:93-96. Ref. Dec.1952. 64.8 J27
English summary.

41902 SULIT, M. D. Field observation on tree-hosts of orchids in Palawan. Philippine Orchid Rev. 5:16. Jan.1953. 80 P53

41903 SUNDE, K. Ornamental bulbs in the flower garden. (In Norwegian.) Kolonihagen 23:6-8. Feb.1953. 80 K83

41904 SUTHERST, N. Gladioli in Kenya. Gladiolus Annu. 1952:51-52,54-56. 84 B772

41905 SYSINA, N. A. Regulating the blossoming time of Gladiolus. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:63-66. 1952. 451 M854

41906 TABONES, B. N. Samar giant ferns for orchids. Philippine Orchid Rev. 5:17. Jan.1953. 80 P53
Utilized for mounting for exhibition purposes.

41907 TEGTMEIER, A. Green and white for accent. Horticulture 31:100. Mar.1953. 80 H787

41908 TEUSCHER, H. Canadian experiences with winter hardiness, with special notes on the Metasequoia or Dawn tree. South. Florist & Nurseryman 65(51 i.e. 50):95-98. Mar.6,1953. 80 So86
Includes shrubs and trees.

41909 TEUSCHER, H. Unusual powers of regenerations in certain succulents. Cactus & Succulent J. 25:6-7. Jan./Feb.1953. 451 C11

41910 THOMAS, D. G. The National Sweet Pea Trials, 1952. Sweet Pea Annu. 1953:51-52. 84 N214A

41911 THOMAS, G. S. Decorative rose fruits. Rose 1:93-96. Winter 1952/53. 96.1 R725

41912 THOMSON, R. A new look at the hybrid perpetual class. Amer. Rose Mag. 11(3):4-7. Mar.1953. 80 Am327A

41913 TILFORD, P. E. The future of the arborist. Natl. Shade Tree Conf. Proc. 28:199-203. 1952. 99.9 N218

41914 TOURJE, E. C. About light. Camellian 4:4, 19-20. Jan.1953. 97.31 C14

41915 TOURJE, E. C. Camellias, ten outstanding varieties in the last ten years. Camellia Rev. 14(4):6-7, 12-14. Jan.1953. 97.31 So82

41916 TOY, L. Y. Water culture of Cattleyas. Orchid Digest 17:29. Jan./Feb.1953. 80 Or172

41917 UKHANOV, V. V. Effects of the winter of 1939/40 on coniferous trees and shrubs in the Leningrad region. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:76-93. 1952. 451 Ak15

41918 U. S. PATENT OFF. Plant patents. 20 Nos. 1952-53. 156.65 P69
Contents: 1143. Boerner, E. S. Rose plant. 2 p.,1 col. pl. Nov.4,1952; 1145. Howard, A. P. Rose plant. 1 p., 1 col.pl. Nov.11,1952; 1146. Byrum, R. L. Rose plant. 2 p.,1 col.pl. Nov.11,1952; 1148. Meilland, F. Rose plant. 2 p.,1 col.pl. Nov.25,1952; 1149. Meilland, F. Rose plant. 1 p.,1 col.pl. Nov.25,1952; 1151. Barcafer, E. H. Peperomia plant. 1 p.,1 col.pl. Nov.25,1952; 1152. Phelan, S. R. Rose plant. 3 p.,1 col.pl. Dec.9,1952. 1154. Williams, K. E. Ivy plant. 1 p.,1 pl. Dec.9,1952; 1155. Boerner, E. S. Rose plant. 2 p.,1 col.pl. Dec.16, 1952; 1157-1159. Brooks, L. L. Azalea plant. 6 p.,3 col.pl. Dec.23,1952; 1165-1166,1168-1169,1171. Boerner, E. S. Chrysanthemum plant. 5 p.,5 col.pl. Feb.10,17,24, 1953; 1167. Lammerts, W. E. Rose plant. 2 p.,1 col.pl. Feb.10,1953; 1173. Fischer, C. W. Saintpaulia plant. 2 p. 1 pl. Mar.10,1953; 1174. Bush, G. D. Dwarf double mock orange plant [Philadelphus]. 2 p.,1 col.pl. Mar.10,1953.

41919 UNWIN, W. J. Why bother about scent? Sweet Pea Annu. 1953:60-65. 1953:60-65. 84 N214A

41920 VAN DER SPUY, U. The lawn is an outdoor living room. (In Afrikaans.) Landbouweekblad 34(1751): 53. Feb.4,1953. 24 L232
Care.

41921 VERGEER, T. Blooming of Tulipa chrysantha after delay in planting. Bot. Gaz. 114:252. Dec.1952. 450 B652

41922 VOROSHILOV, V. N. Classification of Far East Aconites. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:48-52. 1952. 451 M854

41923 VYVYAN, C. C. Colour in the garden border. Field Annu. 1953:58-63. 10 F45A

41924 WALKER, C. F. Planning for seasonal effect. Gard. Illus. 70:62. Mar.1953. 80 G169

41925 WALKER, D. E., and MCLELLAN, R. Epidendrums—the Cattleya's country cousin. Amer. Orchid Soc. B. 22:192-195. Mar.1953. 80 Am329

41926 WALTHER, E. New Zealand plants of the Strybing Arboretum and Botanic Garden, San Francisco. Arboretum B. 16:4-5,23. Spring 1952. 451 Ar1

41927 WALTON, J. W. How to start Poinsettias from cuttings. Pop. Gard. [Albany] 4(3):47,128-129. Mar.1953. 80 P812

41928 WARNE, E. F. Hawaiiana. Pacific Orchid Soc. Hawaii. B. 10:155-164. Dec.1952. 96.2 P11

41929 WARNE, J. M. Miltonia. Pacific Orchid Soc. Hawaii. B. 10:135-137. Dec.1952. 96.2 P11

41930 WEEKS, J. How I grow my Spathoglottis. Philippine Orchid Rev. 5:13. Jan.1953. 80 P53

41931 WELCH, W. Report on dwarf bearded Irises. Iris Ybk. 1952:85-88. 84 Ir4

41932 WELLS, J. S. Pointers on propagation: importance of juvenility. Amer. Nurseryman 97(5):14, 87-89. Mar.1,1953. 80 Am371
Trees.

41933 WHALEY, J. R. News of things to come. Gladiolus Annu. 1952:47-48. 84 B772

41934 WHITE, T. H. Clematis. Minn. Hort. 81:36-37, 47. Mar.1953. 81 M66

41935 WILCKE, J. Alder and hazel. (In Dutch.) Levende Nat. 56:1-5. Jan.1953. 410 L57

41936 WILCKE, J. The snowdrop. (In Dutch.) Levende Nat. 56:21-24. Feb.1953. 410 L57
Galanthus nivalis.

41937 WISTER, J. C. Iris; its history to 1935. Gard. J. 3:48-51,55. Mar./Apr.1953. 80 G1635

41938 WOLFE, F. Some rose hedges. Rose 1:97-100. Winter 1952/53. 96.1 R725

41939 WOOD, M. C. Flower show at dawn. Horticulture 31:104,129. Mar.1953. 80 H787
Morning glories.

41940 WRIGHT, P. H. Working with lilies. Horticulture 31:107. Mar.1953. 80 H787

41941 WYMAN, D. British gardens and the woody plants that make them. Natl. Shade Tree Conf. Proc. 28: 89-93. 1952. 99.9 N218

41942 WYMAN, D. Evergreens for the small place. Horticulture 31:92-93,119. Mar.1953. 80 H787

41943 WYMAN, D. Plant for permanence, Cornelian cherry [Cornus mas]. Flower Grower 40(3):14-15. Mar.1953. 80 M72

41944 WYMAN, D. Pruning ornamental shrubs and trees. Arnoldia 13:21-24. Mar.20,1953. 451 Ar6Ba

41945 WYMAN, D. Some of the best vines and ground covers for Massachusetts gardens. Arnoldia 13(1/2),20 p. Mar.6,1953. 451 Ar6Ba

41946 YAGER, L. Plan, beautify your home grounds. Mont. State Col. Ext. B. 273,19 p. Mar.1952. 275.29 M76C

41947 YAMASAKI, N. Special mixture for Epidendrums. Pua Okika o Hawaii Nei 2:97-98. Jan.1953. 80 P963

41948 YENCH, J. The Weeks orchid project. Philippine Orchid Rev. 5:7-12. Jan.1953. 80 P53
Garden in San Juan, Rizal, Luzon.

41949 ZATVORNITSKII, G. F. Work with Dahlias from seed. (In Russian.) Moscow. Glav. Bot. Sad. B. 12: 121-122. 1952. 451 M854

Vegetable and Truck Crops (Including Potatoes)

41950 AHLBERG, G. Grow and eat more lettuce. (In Swedish.) Trädgårdstidningen 25:11-13,26. Jan.1953. 80 T67

41951 ANDERSEN, E. T., and SANDAR, N. Description of the "Manota" variety of potato. Amer. Potato J. 30:50-52. Feb.1953. 75.8 P842

41952 ANDERSON, E. Upland cress in the house and in the vegetable garden. Mo. Bot. Gard. B. 41:40. Feb. 1953. 451 M69B

41953 ANDERSON, W. S., and CAMPBELL, J. A. Allgold leads in test of five sweetpotato varieties. Miss. Farm Res. [Miss. Sta.] 16(2):1-2. Feb.1953. 100 M69Mi

41954 ARNDT, E. Gemüsesorten, die sich bewährten. Bauern-Ztg. 6(8):7. Feb.27,1953. 18 B324
Germany.

41955 BAILEY, R. Welcome, vegetables! Home Gard. 21(3):32-34. Mar.1953. 80 H756
Culture in three gardens of different size.

41956 BANDEIRA, A. T. Indicaciones prácticas para el cultivo del garbanzo. Asoc. Rur. del Uruguay. Rev. 80:52-53. Jan.1953. 9.9 As5

41957 BANGA, O. Standards for judging vegetable varieties. (In Dutch.) Zaadbelangen 6:255-256. Dec.15, 1952. 61.8 Z1

41958 BARBIER, R. Note sur un essai de pré-culture des plants de pommes de terre. Acad. d'Agr. de France. Compt. Rend. 38:726-728. Dec.3/17,1952. 14 P215Bc

41959 BIRECKI, M. The effect on Jerusalem artichokes, as regards the growth of green matter and the tuber yield, of planting seedlings from eyes and of varying the planting distances. (In Polish.) Rocz. Nauk Roln. 59:123-137. 1952. 20.5 R59
English summary.

41960 BOUGUERAULT. Maine-et-Loire. Monographie du Département concernant spécialement la pomme de terre. Pomme de Terre Franç. 16(162):3-9. Feb. 1953. 75.8 P77

41961 BOYD, D. A., and others. Rothamsted experiments on field beans. Roy. Agr. Soc. Eng. J. 113: 55-76. Ref. 1952. 10 R81
G. W. Cooke, H. V. Garner, J. R. Moffatt, M. D. Glynne, C. G. Johnson, and C. Potter, joint authors.

41962 BREZHNEV, D. D., and KAZAKOVA, A. A. Green onions the whole year round. (In Russian.) Dostizheniâ Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:29-31. Dec.1952. 20 D742

41963 CAMPBELL, J. C. Potato growers can save money in '53. N. J. Farm & Gard. 24(3):15-17. Mar. 1953. 6 G162
New developments in potato culture including fertilizers, varieties, chemical weeding, irrigation, and fungicides.

41964 CHMORA, N. IA. New problems in developing potato culture. (In Russian.) Sad i Ogorod. 1:65-67. Jan.1953. 80 Sa13

41965 CHROBOCZEK, E., ROZEGNAŁ, S., and URBANOWICZ, H. Influence of different methods of breaking dormancy on potato sprouting. (In Polish.) Rocz. Nauk Roln. 59:215-242. Ref. 1952. 20.5 R59
English summary.

41966 COMIN, D. Cauliflower and broccoli production in Ohio. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:123-126. 1952. 75.9 Oh3

41967 COX, A. E. Potato problems. Essex Farmers' J. 31(11):15-16. Jan.1953. 10 Es72
Culture.

41968 CRAWFORD, W. G., and NAPIER, C. L. Brassicas in the home garden. New Zeal. J. Agr. 86:25-27,29,31. Jan.15,1953. 23 N48J
Culture.

41969 DARKE, J. Achieving the balance. Tomato & Cucumber Mktg. Bd. J. 2(3):11-13,15,17,19-20. Mar. 1953. 280.3919 T591
Tomato culture.

41970 DARLING, H. M. The 1952 certified seed potato crop. Badger Common 'Tater 6:5-6. Jan.1953. 75.8 B14

41971 DASKALOV, KH. Active relation of science to practice. (In Russian.) Priroda 41(10):73-74. Oct.1952. 410 P933
Vegetative propagation of vegetables in Bulgaria.

41972 DEEDS, C. The county agent looks at vegetable production in Ohio. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:115-122. 1952. 75.9 Oh3

41973 DEBRUS, J. L'endive. Cour. Hort. 15:23-24. Jan.1953. 80 C834

41974 DRAGE, C. M., and FERGUSON, A. C. Vegetable varieties for Colorado. Colo. Agr. Col. Ext. C. 174-A,16 p. May 1952. 275.29 C71C

41975 DRINKWATER, W. O., and LECOMPTE, S. B. Varieties of sprouting broccoli for a fall crop. N. J. State Hort. Soc. Hort. News 34:2610-2611. Feb.1953. 81 N46

41976 DUNCAN, A. A. Maryland vegetable varieties for 1953. Md. Agr. Col. Ext. Fact Sheet 1,2 p. 1953? 275.29 M36Fa

41977 EDWARDS, R. L. Cropping experiments. Mushroom Res. Assoc. Rpt. 1951:8-16. 1952. 84 Y2

41978 ESTRADA RAMOS, N. Solanum stenotomun Juz. et Buk, una especie importante en el mejoramiento genético de la papa. Agr. Trop. 9(2):31-33. Feb.1953. 26 Ag8

41979 FEDERATION NATIONALE DES PRODUCTEURS DE PLANTS DE POMMES DE TERRE. Production du plant de pommes de terre en France. Paris,1952. 104 p. 75.9 F31

41980 FIEDLER, J. Resultate des versuches mit der nachkommenschaft von gepropften tomaten. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. 25:574-576. Dec.1952. 19.5 C332C
German summary.

41981 FISCHNICH, O. Bestimmung der sortenechtheit und sortenheit von kartoffeln. Landbforsch. Völkenrode 2:82-86. Oct.1952. 18 I 2353.

41982 FUJISE, K., and others. Studies of combining ability of varieties in sweet potato. III. (In Japanese.) Kyushu Noji Shikenjo 10:61-63. Sept.1952. 107.6 K996
T. Yunoue, T. Chishiki, and S. Wada, joint authors.

41983 GARRETT, F. E. Some practical lessons from the South. Veg. Growers Assoc. Amer. Annu. Rpt. 44: 58-60. 1952. 81 V52
Potato culture.

41984 GASSNER, A. Auch für runkelrüben einkeimiges saatgut? Osterr. Landtech. 5:277-278. Oct.1952. 58.8 L236

41985 GAVRILOV, I. S. Mixed planting of peas and white mustard. (In Russian.) Dostizheniâ Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:55-56. Dec.1952. 20 D742

41986 GILMAN, W. Same space more vegetables. Pop. Gard. [Albany] 4(3):56-57,95-97. Mar.1953. 80 P812

41987 GOL'DGAUSEN, M. K. Kul'dzhinskii--new eggplant variety. (In Russian.) Sad i Ogorod. 1:64. Jan.1953. 80 Sa13

41988 GOLITSYN, S. V. Experiments in growing Cyperus. (In Russian.) Moscow. Glav. Bot. Sad. B. 13: 95-97. 1952. 451 M854

41989 HABEKOVIC, M. Seed production of chicory. (In Serbo-Croatian.) Biljna Proizvodnja 5:245-249. Nov./Dec.1952. 64.8 B49

41990 HAHN, A. W. The South Holland onion set industry. South Holland,South Holland Trust and Savings Bank,1952. 52 p. 91.44 H12
Illinois.

41991 HEIMBURGER, A. Was lehren uns die kartoffelbauversuche? Bauern-Ztg. 6(7):5,12. Feb.20,1953. 18 B324
Germany.

41992 HILKENBAUMER, F., and FREUDL, E. Einfluss der standweiten auf ertrag und qualität bei kohlarten in trockengebieten. Z. f. Acker- u. Pflanzenbau 95:423-434. Nov.1952. 18 J825

41993 HINDMARSH, R. G. Big potato yields are produced this way. East. States Coop. 29(3):10-13. Mar.1953. 280.28 Ea7

41994 HOME GROWN THRESHED PEAS JOINT COMMITTEE. Second progress report on field experiments, 1950—1951. London,1952. 31 p. Ref. 60.39 H75P

41995 HOPPNER, E., and GEIDEL, H. Zur frage der ertragreichsten sorten. Kartoffelwirtschaft 6:49-51. Jan.30,1953. 286.83 K13
Germany.

41996 HOWLETT, F. S., and others. Fruit set of greenhouse tomatoes. (Sum.) Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:113-114. 1952. 75.9 Oh3
L. J. Alexander, E. K. Alban, I. C. Hoffman, W. Fornof, E. Moeller, C. Otto, and E. B. Wright, joint authors.

41997 HUFFINGTON, J. M. Guide for dependable tomato profits. Canning Trade 75(33):7-8,16. Mar.2, 1953. 286.83 T67
Culture and handling.

41998 HUNTER, J. A. Comparison of growth of tomato plants in impervious plastic pots and porous clay pots. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34: 365-368. Dec.1952. 514 N48A

41999 IAKUSHEVA, K. K. Large vegetable crops in the "Bol'shevik." (In Russian.) Sad i Ogorod 1:57-58. Jan.1953. 80 Sa13

42000 IUDKIN, F. M. Method for storing seed onions in the northern zone. (In Russian.) Sad i Ogorod 11:55-57. Nov.1952. 80 Sa13

42001 KATIKARN, B. Onion growing. (In Siamese.) Kasikorn 25:396-402. Sept.1952. 22.5 K15
English summary.

42002 KATIN-IARTSEV, L. New potato varieties for Siberia. (In Russian.) Kolkhoz. Proizvodstvo 12(12):56. Dec.1952. 281.8 K83

42003 KIRTPRIDI, S. Pepper planting in Bangka Island and South Sumatra. (In Siamese.) Kasikorn 25: 403-408. Sept.1952. 22.5 K15
English summary.

42004 KLIMAKIN, N. V. Practices of leaders in growing high crops of tomatoes. (In Russian.) Dostizheniâ Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:82-83. Oct.1952. 20 D742

42005 KLINAEV, N. M. Progressive sovkhoz in a suburban zone. (In Russian.) Sad i Ogorod 1:52-57. Jan.1953. 80 Sa13
Vegetable culture.

42006 KODAMA, T., and KOBAYASHI, R. Studies on the culture of direct sown sweet potato. I. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:43-48. May 1952. 107.6 K83
English summary.

42007 KOL', V. M., and VOINOV, IU. L. Growing cabbage seeds on a sovkhoz. (In Russian.) Sad i Ogorod 11:50-52. Nov.1952. 80 Sa13

42008 KOPINASHVILI, V. IA. [Vegetable] varieties developed by an expert breeder. (In Russian.) Sad i Ogorod 11:52-54. Nov.1952. 80 Sa13

42009 KUL'TIASOVA, G. M. Onions among the vegetation of the Aksu-Dzhabagly National Forest. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:104-108. Ref. 1952. 451 M854

42010 LECRENIER, A., and TILKIN, N. Etude du rendement de quelques variétés de tomates en 1952. B. Hort. (n.s.)8:42-49. Feb.1953. 80 B873

42011 LEE, H. Kansas conditions are right for sweet potatoes. Kans. Agr. Student 29(3):9,16,18. Feb.1953. 276.8 K13
Soil and climatic conditions.

42012 MCCRORY, S. A. Garden tomatoes from August to December. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:49-50. Winter 1953. 100 So82S
Tomato hybrids.

42013 MACGILLIVRAY, J. H. Vegetable production with special references to western crops. New York, Blakiston,1953. 397 p. 91 M17

42014 MAGRUDER, R. The importance of research to vegetable and potato growers. Veg. Growers Assoc. Amer. Annu. Rpt. 44:37-44. 1952. 81 V52

42015 MAKAROVSKII, A. F. Achievements of the Biryuch Selection Station in melon culture. (In Russian.) Selek. i Semen. 19(11):32-37. Nov.1952. 61.9 Se5

42016 MAST, J. J. Cucumber culture problems. (In Dutch.) Groenten en Fruit 8:580. Feb.5,1953. 80 G89

42017 MELENDEZ, G. El tomate como cultivo de primor en Coquimbo. Simiente 22:177-182. Jan./June 1952. 9.3 Si4
Culture.

42018 MOORE, E. L., and THOMAS, W. O. Reduced light intensity and hormone spray increases early yield of fall tomatoes. Miss. Agr. Expt. Sta. Inform. Sheet 473,2 p. Aug.1952. 100 M69In

42019 MOORE, J. F. Growing brussels sprouts in western Washington: adapted varieties, cultural practices, and economic aspects. Wash. Agr. Expt. Sta. C. 207,10 p. Jan.1953. 100 W27S

42020 MUSHROOM RESEARCH ASSOCIATION. Report for year 1951. Yaxley,1952. 58 p. 84 Y2

42021 NAGEL. Betrachtungen zum feld-blumenkohl-anbau in Weser-Ems. Landwirtbl. Weser-Ems 99:1007-1108. Oct.2,1952. 18 L2345

42022 NATSENTOV, D. I. Large scale experiments in growing [vegetable] seedlings in pots. (In Russian.) Sad i Ogorod 12:46-48. Dec.1952. 80 Sa13

42023 NEW BRUNSWICK. DEPT. OF AGRICULTURE. PLANT PROTECTION AND PROMOTION BR. Florida seed potato test, 1952 crop. Fredericton,1953. 16 p. 75.9 N42

42024 NIKONENKO, D. A. Cabbage varieties and time for their planting. (In Russian.) Sad i Ogorod 1:59-63. Jan.1953. 80 Sa13

42025 NISWONGER, H. R. Plant a garden. Carolina Co-op. 31(2):12-13. Feb.1953. 72.8 N81
Vegetables.

42026 OHIO VEGETABLE AND POTATO GROWERS ASSOCIATION. 37th annual proceedings, 1952. n.p., 1952. 189 p. 75.9 Oh3

42027 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Have fun, save money, be happy. Grow your own food garden. Okla. Agr. Col. Ext. C. 586,4 p. n.d. 275.29 Ok41C

42028 PAIATSYK, V. V. Ways of further development of vegetable and potato growing. (In Russian.) Sad i Ogorod 11:44-46. Nov.1952. 80 Sa13

42029 PAUCK. Die anzucht gesunder gemüsejungpflanzen. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 356-357. Feb.26,1953. 18 L2346

42030 PERSSON, A. R., and VIK, J. Growing vegetables for canning. (In Norwegian.) Tidsskr. f. det Norske Landbr. 59:305-324. Ref. Nov./Dec.1952. 11 T433

42031 PIOVANO, A. Variedades argentinas de tomate. Chacra 23(267):42-43. Feb.1953. 9 C34

42032 ROBINSON, D. H. New ideas on growing potatoes. Roy. Agr. Soc. Eng. J. 113:44-52. 1952. 10 R81

42033 RODRIGO, P. A. Potato industry faces bright future. Agr. Wk. 1(1):9. Oct.5,1952. 25 Ag83
Cultural methods in the Philippines.

42034 ROWE, P. A. Uniform conditions ensure high quality of mushrooms; culture by methods of industrial type gives large yields. Food Canada 13(2):20,22. Feb. 1953. 389.8 F7323

42035 RUYTEN, J. H. Effect of method of covering on the culture of green greenhouse cucumbers. (In Dutch.) Groenten en Fruit 8:569. Feb.5,1953. 80 G89

42036 SAYRE, C. B. Ten points for profitable pea production. Food Packer 34(3):52,54. Mar.1953. 286.83 C165

42037 SCHOENEMANN, J. A. Growing Wisconsin potatoes. Wis. Agr. Col. Ext. C. 440,7 p. Feb.1953. 275.29 W75C

42038 SCHULTZ, J. H. New tomato varieties for North Dakota. N. Dak. Agr. Expt. Sta. Bimon. B. 15:114-117. Jan./Feb.1953. 100 N813B

42039 SCHULZE, E. Pflanzgutgrösse, pflanzgutstreckung und kartoffelertrag. Z. f. Acker- u. Pflanzenbau 95:445-451. Nov.1952. 18 J825

42040 SCHULZE, W. Der einfluss der lagertemperatur auf das pflanzgut und die daraus erwachsene kartoffelstaude. Landbforsch. Völkenrode 2:80-82. Oct.1952. 18 L2353

42041 SCOTLAND. DEPT. OF AGRICULTURE. Register of potato crops certified, 1952. Edinburgh,1952. 203 p. 75.9 Sco3R

42042 SEITZ, E. Gedanken zur sortenwahl bei pflanzkartoffeln! Bad. Landwirt. Wchnbl. 120:250. Mar. 14,1953. 18 B142

42043 SINGH, J., and CHANDRA, R. Hints to the farmer: Kharif vegetables. Indian Farming (n.s.)2(10):8-9,26-27,31. Jan.1953. 22 In283
Cultivation.

42044 SINGLETON, G. A new green bean for freezing. Quick Frozen Foods 15(8):168. Mar.1953. 389.8 Q4

42045 SINOHARA, S. Studies on degeneration of variety in seed farms of cabbage. I. (In Japanese.) Jap. J. Breeding 2:1-6. Oct.1952. 64.8 J27
English summary.

42046 SMITH, O. Potato production in the Netherlands. Farm Res. [N. Y. Sta.] 19:10. Jan.1953. 100 N48A

42047 SNEEP, J. Does cross pollination occur in lettuce culture? (In Dutch.) Zaadbelangen 6:258. Dec. 15,1952. 61.8 Z1

42048 SNEEP, J. How far is cauliflower a hybrid? (In Dutch.) Zaadbelangen 6:247-248. Nov.29,1952. 61.8 Z1

42049 SOPER, M. H. R. The influence of farm practice on the productivity of field beans. Empire J. Expt. Agr. 21:22-32. Jan.1953. 10 Em7
Oxford, England.

42050 STIGTER, H. C. M. DE. Grafting of melons on rootstock F. (In Dutch.) Groenten en Fruit 8:594-595. Feb.12,1953. 80 G89

42051 STRIDSBERG, H. My way of growing. MGA Bulletin 39:71-74. Mar.1953. 80 M97
Mushroom culture.

42052 TAMMAN, A. I. Obtaining large, hardy potato crops. (In Russian.) Sad i Ogorod 11:61-64. Nov.1952. 80 Sa13

42053 TERMAN, G. L., and AKELEY, R. V. Quality, size and yield of tubers in 1951 potato variety trials. Maine. Agr. Expt. Sta. Mimeog. Rpt. 26,7 p. Jan.1952. 100 M28M

42054 TERMAN, G. L., CUNNINGHAM, C. E., and GOVEN, M. Effect of date and method of kill on yield, specific gravity and other quality factors of Maine potatoes. Amer. Potato J. 29:279-289. Ref. Dec.1952. 75.8 P842

42055 TERMAN, G. L., and others. Rate of planting and thiourea treatment for seed potatoes in Maine. Maine Agr. Expt. Sta. B. 505,33 p. Ref. Sept.1952. 100 M28S
C. E. Cunningham, M. G. Goven, and R. A. Struchtemeyer, joint authors.

42056 TICHELAAR, H. L. Forcing of witloof in peat. (In Dutch.) Groenten en Fruit 8:496-497. Jan.8,1953. 80 G89

42057 TIUTIN, M. G. Sweet potato – a forgotten crop. (In Russian.) Sad i Ogorod 11:59-60. Nov.1952. 80 Sa13

42058 TOMATO GENETICS COOPERATIVE. Report No. 3, Jan. 1953. Davis, U. Calif., Dept. of Vegetable Crops,1953. 42p. 91.58 T59

42059 TSITSINA, S. I. New species of perennial many-layer onion. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:59-61. Dec.1952. 20 D742
Aerial bulbs.

42060 TUL'ZHENKOVA, F. F. Vegetable growing at the Arctic. (In Russian.) Sad i Ogorod 11:47-50. Nov. 1952. 80 Sa13

42061 USHAKOVA, E. I. Problems of scientific workers and vegetable growers. (In Russian.) Sad i Ogorod 1:48-52. Jan.1953. 80 Sa13

42062 VASIC, A. L'influence de l'espacement sur le rendement et la maturation précoce des tomates. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:375-379. 1952. 106.6 B41
French summary.

42063 VEGETABLE GROWERS ASSOCIATION OF AMERICA. Annual report. n.p.,1952. 140 p. 81 V52

42064 VELDMAN, G. Early endive culture. (In Dutch.) Groenten en Fruit 8:595-596. Feb.12,1953. 80 G89

42065 VEREINIGUNG SCHWEIZERISCHER VERSUCHS- UND VERMITTLUNGSSTELLEN FUR SAATKARTOFFELN. Tätigskeitsbericht, 16, 1951/52. Brugg,1952. 75.9 V58

42066 VIEREGGE, G. Das vorkeimen von pflanzkartoffeln. Hannoversche Land- u. Forstwirt. Ztg. 106:86,88. Jan.24,1953. 18 H194

42067 VINOGRADOV, P. I. Improving tomatoes by means of inter-varietal crossing. (In Russian.) Selek. i Semen. 19(11):25-31. Nov.1952. 61.9 Se5

42068 VISSCHER C., E. El frijol: su cultivo en la zona de Tingo Maria. Tingo Maria. Estac. Expt. Agr. C. Ext. 38,6 p. Nov.1952. 275.249 T49

42069 VOGT. Verbesserung des pflanzgutwertes hannoverscher pflanzkartoffeln. Hannoversche Land- u. Forstwirt. Ztg. 106:85-86. Jan.24,1953. 18 H194

42070 WARNE. Plants per square foot now the maxim. Com. Grower 2983:416-417. Feb.26,1953. 80 F941
Vegetables.

42071 WEINGART, V., and others. Solving some of the problems in the harvesting and handling of potatoes in Ohio. (Sum.) Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:84-86. 1952. 75.9 Oh3
R. V. Geib, L. E. Rhoades, E. Agnew, R. C. Scott, A. H. Glaves, and E. C. Wittmeyer, joint authors.

42072 WOLF, E. A. Better sweet corn for Dixie; Aristogold Bantam Evergreen new standard for 1953. South. Seedsman 16(3):36,52. Mar.1953. 61.8 So8

42073 WOODWARD, E. J. These ideas will counter higher costs. Grower [London] 39:335. Feb.14,1953. 286.83 M34
Mushroom culture.

42074 WORK, P. Exploring the tomato world. Horticulture 31:101,118. Mar.1953. 80 H787

42075 ZIVER M., A. Epoca de siembra en frejoles. Simiente 22:201-204. Jan./June 1952. 9.3 Si4
Chile.

42076 ZUBOV, V. V. New effective method of storing seed potato tubers. (In Russian.) Dostizhenifa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:34-36. Sept.1952. 20 D742
Chiefly on planting.

WEEDS AND POISONOUS PLANTS

42077 ALBAN, E. K. Chemical weed control with commercial vegetable crops. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:163-164,166-168,170-172,174. 1952. 75.9 Oh3

42078 ALDRICH, R. J., and WILLARD, C. J. Factors affecting the pre-emergence use of 2,4-D in corn. Weeds 1:338-345. Ref. July 1952. 79.8 W41

42079 ALLEN, R. M. Ferbam controls nursery weeds. Tree Planters' Notes 12:8. Nov.1952. 1.962 C5T71

42080 ARAI, M., and KAWASIMA, R. Studies on weed control in rice culture by 2,4-dichlorophenoxyacetic acid. I. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3: 8-22. Ref. May 1952. 107.6 K83
English summary.

42081 ARASHI, K., and KUNITAKE, M. Effect of fertilizer element on the emergence and growth of weeds (Alopecurus aequalis Sobol.) in arable land. (In Japanese.) Kyushu Noji Shikenjo 10:171-172. Sept.1952. 107.6 K996

42082 BING, A. Report on weed control research. No. Amer. Gladiolus Council B. 33:13-15. Mar.1953. 96.43 N81

42083 BLACKMAN, G. E. Herbicides: their use and abuse. Fert. Feed Stuffs & Farm Supplies J. 39:173-175, 179-180. Mar.4,1953. 57.8 F413

42084 BLOUCH, R., FULTS, J. L., and THORNTON, B. J. Chemical control of annual grasses in alfalfa, sugar beets, onions, and certain truck crops. Amer. Soc. Sugar Beet Technol. Proc. 7:137. 1952. 66.9 Am35

42085 BLOUCH, R., and FULTS, J. L. Correlation between soil type and rates of sodium TCA and 3-chloro IPC application for pre-emergence grass control. Amer. Soc. Sugar Beet Technol. Proc. 7:136. 1952. 66.9 Am35

42086 BOLIVIA. MINISTERIO DE AGRICULTURA. SERV. AGRICOLA INTERAMERICANO. Matamalezas o herbicidas. Bolivia. Serv. Agr. Interamer. C. de Ext. 14,3 p. Jan.1953. 275.249 B63

42087 BRIGGS, G. M. Weeds in the feed alley; at least 25 per cent of weed seeds in hay and grain pass through an animal undisturbed; here's what you can do to prevent weed reinfestation. Hoard's Dairyman 98:167. Feb.25,1953. 44.8 H65

42088 BURLEY, R. H. It pays to get rid of brush! Agr. Leaders' Digest 34(2):8-9,13. Feb.1953. 275.28 Am3

42089 CAREW, J. They weed with sprays. Farm J. 77(3):80,173. Mar.1953. 6 F2212

42090 CARLSON, R. F. Practical weed control in Gladiolus. Gladiolus 28:83-85. 1953. 96.43 N44

42091 CIFERRI, R. Average sensibility of weeds to 2,4-D. (In Italian.) Not. sulle Mal. delle Piante 21:47-51. Oct./Dec.1952. 464.8 N84
English summary on p. 72.

42092 CINCOVIC, T. Contribution à la connaissance de la reproduction végétative du liseron (Convolvulus arvensis L.) (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:269-279. 1952. 106.6 B41
French summary.

42093 CLIFFORD, E. D. Use of 2, 4-D to control weeds in conifer nurseries. Tree Planters' Notes 12:6. Nov.1952. 1.962 C5T71

42094 COHEN, G. Herbicidal sprays to replace winter cultivations. (In Hebrew.) Hassadeh 33:174-176. Dec.1952. 26 H27
In weed control.

42095 COOK, E. D. Chemical control of Johnsongrass [Sorghum halepense] at the Blackland Station, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1544,1 p. Feb.7,1953. 100 T31P

42096 CORMANY, C. E., and ECKROTH, E. G. Results with T.C.A. on barnyard grass [Echinocloa crus-galli] control in sugar beets in Montana and Wyoming. Amer. Soc. Sugar Beet Technol. Proc. 7:126-127. 1952. 66.9 Am35

42097 CORN, W. G. Field experiments with herbicides. Alberta. U. Dept. Plant Sci. Seasonal Notes 38: 1-3. Jan.3,1953. 64.9 AL12

42098 CROWE, G. B., and HOLSTUN, J. T. Weed control studied on 30 Delta farms. Miss. Farm Res. [Miss. Sta.] 16(3):7-8. Mar.1953. 100 M69Mi

42099 CROWE, G. B., and COLVIN, E. M. Weed killers in the cotton patch. Agr. Situation [Washington] 37(3):9-10. Mar.1953. 1 Ec7Ag

42100 DOWNIE, A. R., OGDEN, D. B., and TANNER, J. C. Results of experiments on chemical weed control in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:128-133. 1952. 66.9 Am35

42101 DUNHAM, R. S., and others. Chemical weed control in Minnesota. Minn. U. Agr. Ext. Pam. 187,16 p. Jan.1953. 275.29 M66P
R. E. Nylund, R. F. Crim,and H. L. Hansen, joint authors.

42102 EGLER, F. E. Roadside brush control. Natl. Shade Tree Conf. Proc. 28:59-70. 1952. 99.9 N218

42103 ERICKSON, C., and others. The present status of the Halogeton problem. Weeds 1:321-328. Ref. July 1952. 79.8 W41
H. L. Morton, E. W. Tisdale, and G. Zappettini, joint authors.

42104 FEDOROV, A. A. Natural "group" planting and self-grafting of roots of dandelions (Taraxacum). (In Russian.) Bot. Zhur. 37(6):856-858. Nov./Dec.1952. 451 R923
Due to clay soils and tramping of cattle.

42105 GARDNER, C. A. Poison plants of Western Australia. West. Austral. Dept. Agr. J. (ser.3)1:855,857, 859. Nov./Dec.1952. 23 W52J

42106 GRANCINI, P. Problem of the proper dose in herbicide treatments. (In Italian.) Riso 2:17-21. Ref. Jan.1953. 59.8 R49

42107 GREEN, K. R. The weed patch: blackberry (Rubus fruticosus—rose family). Milk Bd. J. 4:25. Jan. 1953. 44.8 M5934

42108 GREEN, K. R. The weed patch: bracken—(Pteridium aquilinum). Milk Bd. J. 3(12):27. Dec.1952. 44.8 M5934

42109 HAMILTON, R. D., WHITFIELD, C. J., and REA, H. E. Effects of concentrated borascu and sodium chlorate on the control of bindweed [Convolvulus arvensis]. Tex. Agr. Expt. Sta. Prog. Rpt. 1523,3 p. Dec.20,1952. 100 T31P

42110 HARRIS, V. C. Chemical weed control in permanent pastures. Miss. Agr. Expt. Sta. Inform. Sheet 469, 2 p. Apr.1952. 100 M69In

42111 HARRIS, V. C. Cotton production without hand hoeing or cultivation. Miss. Agr. Expt. Sta. Inform. Sheet 468,2 p. Feb.1952. 100 M69In

42112 HATTINGH, E. R. Comments on thorn scrub control with herbicides in Africa. Weeds 1:372-373. July 1952. 79.8 W41
Acacia species and Dichrostachys glomerata.

42113 HELM, C. A. Weed control in corn through use of chemicals. Mo. Agr. Col. Ext. C. 619,7 p. Apr. 1952. 275.29 M69C

42114 HILTON, R. J. Chemicals for weed control in Alberta gardens. Alberta. U. Dept. Plant Sci. Seasonal Notes 38:3-5. Jan.3,1953. 64.9 AL12

42115 HODGSON, J. M. Controlling white top (Cardaria draba) with cropping, tillage and 2,4-D treatments. Oreg. Seed Growers League. Proc. 11:43,45,47-48. 1952. 61.9 Or3

42116 HOFFMANN, O. L. Take the hoe out of cotton. South. Seedsman 16(3):13,68. Mar.1953. 61.8 So8
Use of CIPC.

42117 HOLZ, W. Neuzeitliche mittel zur unkrautbekämpfung. Landwirtbl. Weser-Ems 100:223. Feb.26, 1953. 18 L2345

42118 HOLZ, W. Unkrautbekämpfung auf dem grünland. Landwirtbl. Weser Ems 100:282-283. Mar.12,1953. 18 L2345

42119 HOLZ, W. Unkrautbekämpfung im getreide—welche mittel? Landwirtbl. Weser-Ems 100:252-254. Mar.5,1953. 18 L2345

42120 HOLZ, W. Unkrautbekämpfung in den Niederlanden. Praxis u. Forsch. 5:19-20. Feb.20,1953. 18 P89

42121 HYDER, D. N. Controlling big sagebrush [Artemisia tridentata] with growth regulators. J. Range Mangt. 6:109-116. Mar.1953. 60.18 J82

42122 JONES, D. K. New methods of weed control. Countryman [Nicosia] 7:18. Jan.1953. 25 C83

42123 KENNAMER, E. F. "Plowing out" those pond weeds. Farm & Ranch—South. Agr. Upper So. Ed. 83(3): 28,47. Mar.1953. 6 T31
Control with sodium arsenite.

42124 KERSTING, F. Versuche zur bekämpfung des besenginsters (Sarothamnus scoparius). Nachrbl. des Deut. Pflanzenschutzdienstes 4:137-140. Sept.1952. 442.9 B832

42125 KERSTING, F. Versuche zur bekämpfung von Petasites officinalis Mnch. Nachrbl. des Deut. Pflanzenschutzdienstes 4:167-168. Nov.1952. 442.9 B832

42126 KNOBLICH. Der ginster blüht im Sauerland. Landwirt. Wchnbl. f Westfalen u. Lippe 109A:836-837. May 29,1952. 18 L2346
In pastures.

42127 KOJIC, M. V. Research on weeds in the vicinity of Belgrade. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:311-321. Ref. 1952. 106.6 B41
English summary.

42128 LATYPOV, A. SH. Effect of depth of plowing on weed infestation of soil. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 18(11):21-23. 1952. 20 Ak1

42129 LEE, O. C. Plants that kill. Outdoor Ind. 20(2): 16,19. Feb.1953. 279.8 Ou82
Plants poisonous to livestock.

42130 LOVVORN, R. L., and SHAW, W. C. Chemical hoeing comes of age. What's New Crops & Soils 5(6):9-12. Mar.1953. 6 W55

42131 LOWE, H. J., and BUCHHOLTZ, K. P. Cultural methods for control of quackgrass. Weeds 1:346-351. July 1952. 79.8 W41

42132 MCAULIFFE, J. D. Control of "salvation jane' [Echium plantagineum] on Kybybolite Experiment Station. So. Austral. Dept. Agr. J. 56:279-285. Jan.1953. 23 So84

42133 MCILVAIN, E. H. Shinnery oak is yielding to 2,4-D. Down Earth 8(4):6-7. Spring 1953. 381 D75
Quercus.

42134 MATTHEWS, L. J. Weedkillers for the home garden. New Zeal. J. Agr. 86:47,49,51,53-54. Jan.15, 1953. 23 N48J

42135 MEADLY, G. R. W. Growth regulating substances used for weed killing. West. Austral. Dept. Agr. J. (ser.3)1:761-763,765. Nov./Dec.1952. 23 W52J

42136 MIEGE, E. Un facteur trop ignoré dans la pratique du désherbage. Inform. Marocaine 631:1-2. Feb. 14,1953. 281.8 In3

42137 MILIC, M. The effect of meteorological conditions on the character of weediness in crops. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:387-403. Ref. 1952. 106.6 B41
English summary.

42138 MISSISSIPPI AGRICULTURAL EXPERIMENT STATION. Chemical weed control guides for 1953. Miss. Farm Res. [Miss. Sta.] 16(2):3-6. Feb.1953. 100 M69Mi
U. S. Department of Agriculture cooperating.

42139 MOROZOVA, O. I. Control of the poisonous plant of Karakul sheep desert pastures [Ceratocephalus falcatus]. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):32-34. Sept./Oct.1952. 49 K14

42140 MOROZOVA, O. I. Use of herbicide to control the poisonous plant Ceratocephalus falcatus. (In Russian.) Kormovaîa Baza 3(10):21-23. Oct.1952. 60.8 K84

42141 NEIGER, Y. The control of Bermuda grass in the Negev. (In Hebrew.) Hassadeh 33:176-179. Dec. 1952. 26 H27

42142 NELSON, R. T. Trials with herbicides for weed control in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:121-125. 1952. 66.9 Am35

42143 NILLE, E. Chemische unkrautbekämpfung auf der kahlfläche. Allg. Forstz. 8:94-96. Feb.18,1953. 99.8 AL52

42144 NOHARA, Y. Herbicide for bamboo-grass. (In Japanese.) Jap. J. Plant Protect. 36:266-268. June 1952. 421 J27

42145 OMURA, R. An observation on weeds growing under citrus trees. (In Japanese.) Kyushu Noji Shikenjo 10:173-174. Sept.1952. 107.6 K996

42146 ORDANINI, P. Notes on the use of selective herbicides in the rice fields. (In Italian.) Nuova Agr. Milan. 3(12):1. June 15,1952. 16 C153

42147 ORDANINI, P. Selective herbicides and wheat. (In Italian.) Nuovo Agr. Milan. 3(5):3; (6):3. Mar.1-15, 1952. 16 C153

42148 ORMROD, J. F. To spray or not to spray; some notes on selective weed control in cereals. Herefordshire Agr. J. 12:229,231,233,235,237. Spring 1952. 10 H42

42149 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Nuevos productos herbicidas. Semana Vitivinic. 8(341):2-3. Jan.10,1953. 95.8 Se5

42150 PETERSEN, H. I. Experiences on the effect of chemical weedkillers in practice in 1952. (In Danish.) Dansk Landbr. 72:69-72. Feb.5,1953. 280.28 V91

42151 POLETAEF, N. Enquête sur le désherbage sélectif pratiqué en Tunisie pendant la campagne 1950-1951. Terre Marocaine 27(278):19-21. Jan.1953. 24 T44

42152 POUND, C. E., and EGLER, F. E. Brush control in southeastern New York: fifteen years of stable tree-less communities. Ecology 34:63-73. Jan.1953. 410 Ec7

42153 PUGH, S. G. Southern Bell switches to chemical brush control. Elect. World 139(12):122-123. Mar. 23,1953. 335.8 EL2

42154 PULIGA, E. Q. Observations on cardoon-thistle. (In Italian.) Humus 8(12):28-29. Dec.1952. 16 H88

42155 RAMIREZ-SÁNCHEZ, A. Control de malezas en cereales. Simiente 22:115-122. Jan./June 1952. 9.3 Si4
Chile.
Includes discussion.

42156 REA, H. E. Pre- and post-emergence chemical treatment combinations in weeding cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1526,2 p. Jan.9,1953. 100 T31P

42157 RICHARDSON, J. M. Weeds of South Australia: horehound (Marrubium vulgare L). So. Austral. Dept. Agr. J. 56:265-267. Jan.1953. 23 So84

42158 ROBINSON, P. T., and QUAMME, A. G. Results obtained by sugar beet growers through the use of TCA for the control of pigeon grass in southern Minnesota and northern Iowa during 1951. Amer. Soc. Sugar Beet Technol. Proc. 7:134-135. 1952. 66.9 Am35
Setaria viridis and S. lutescens.

42159 ROHRIG, E. Wuchsstoffmittel zur bekämpfung von forstunkräutern. Allg. Forstz. 8:80-81. Feb.11,1953. 99.8 AL52
2,4-D sodium salts, Ammate, Methoxone.

42160 ROYCE, R. D. The distribution of some of the more important toxic plants of South-Western Australia. West. Austral. Dept. Agr. J. (ser.3)1:845-853. Nov./Dec. 1952. 23 W52J

42161 SABUROVA, P. V. Control of weeds of vegetable crops with mineral oils. (In Russian.) Sovet. Agron. 11:83-85. Jan.1953. 20 So84

42162 SCHIEFERSTEIN, H. Perennial weed control in Klamath County. Oreg. Seed Growers League. Proc. 11:39,41-42. 1952. 61.9 Or3

42163 SCHÖNBRUNNER, J. Zur chemischen unkrautbekämpfung in zwiebelkulturen. Pflanzenarzt 6(2): 4. Feb.1,1953. 464.9 P482

42164 SEALE, C. C., RANDOLPH, J. W., and STEPHENS, J. C. Aromatic solvents for the control of the submersed water weed naiad, Najas guadalupensis (Spreng.) Morong., in south Florida. Weeds 1:366-371. Ref. July 1952. 79.8 W41

42165 SHAW, W. C., and SWANSON, C. R. Techniques and equipment used in evaluating chemicals for their herbicidal properties. Weeds 1:352-365. Ref. July 1952. 79.8 W41

42166 STAHLER, L. M. FM problem study report No. 10: chemical weed and brush control. Farm Mangt. 2(4):35-50. Mar.1953. 281.8 F2225

42167 STANTON, H. S. Guerra quimica a la mala hierba. Hacienda 48(2):52. Feb.1953. 6 H11

42168 STEAVENSON, H. Experiences in using allyl alcohol for weed control. Tree Planters' Notes 12:7. Nov.1952. 1.962 C5T71

42169 TOMIZAWA, C. Some new organic herbicides. (In Japanese.) Jap. J. Plant Protect. 42:458-462. Ref. Dec.1952. 421 J27

42170 WARREN, G. F. Selective herbicides. Veg. Growers Assoc. Amer. Annu. Rpt. 44:65-69. 1952. 81 V52

42171 WATSON, A. J. Use of alkanolamine salt of dinitro-o-sec. butylphenol (Premerge) on corn as an early post-emergence spray. Down Earth 8(4):5. Spring 1953. 381 D75
For weed control.

42172 WATTERS, G. Tain't the cost, it's the upkeep. Co-op Power 10(3):6-7. Mar.1953. 335.8 C78
Brush control with chemical sprays.

42173 WENDELBO, P. Cuscuta campestris in Norway. (In Norwegian.) Blyttia 4:106-107. 1952. 450 B622
English summary.

42174 WEST, E., and EMMEL, M. W. Poisonous plants in Florida. Fla. Agr. Expt. Sta. B. 510,57 p. Dec. 1952. 100 F66S
A revision of Bulletin 468.

42175 WESTMORELAND, W. G., and KLINGMAN, G. C. Pre-emergence weed control in peanuts. Down Earth 8(4):12. Spring 1953. 381 D75

42176 WILLCOX, O. W. Weed control by pre-emergence spraying. Sugar 48(3):46-47. Mar.1953. 65.8 F11
In sugarcane fields, Queensland, Australia.

42177 YOUR 1953 chemical weed control guide. Country Gent. 123(3):44-45. Mar.1953. 6 C833

MISCELLANEOUS ECONOMIC PLANTS
(Drug, Dye, Rubber, Etc.)

42178 BARGIONI. Honey plants. (In Italian.) Apic. Mod. 44:23-24. Jan.1953. 424.8 Ap39
Phacelia tanacetifolia.

42179 BARRIENTOS, J. J. La siembra de cafe siguiendo los sistemas de conservación de suelos. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1:15,40. Oct.1952. 8 G934

42180 BECKE, R. R. Fertilizing and cultivating tung trees. Amer. Tung News 4(2/3):14-15. Feb./Mar. 1953. 307.8 Am33

42181 BECKE, R. R. The future of tung for the small farmer. Amer. Tung News 4(2/3):2. Feb./Mar. 1953. 307.8 Am33

42182 BHAT, J. V., MEHTA, S., and GEORGE, M. Studies on Indian medicinal plants. I-II. Bombay. U. J. Sect. B. Biol. Sci (n.s.)21(3):15-25. Nov.1952. 513 B633
I, An antibacterial substance from the fruit of Thespesia populnea Soland, by J. V. Bhat, S. Mehta, and M. George; II, Bryophyllin, a new antibacterial substance from the leaves of Bryophyllum calycinum Salisb., by S. Mehta, and J. V. Bhat.

42183 BICUDO, L. P. Planting coffee in São Paulo. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:998-1013. Nov.1952. 68.29 Sa63

42184 BLACK, W. A. P., and others. Manufacture of algal chemicals. VI. Laboratory-scale isolation of L-fucose from brown marine algae. J. Sci. Food & Agr. 4: 85-91. Ref. Feb.1953. 382 So12
W. J. Cornhill, E. T. Dewar, and F. N. Woodward, joint authors.

42185 BOCQUET, M. Note sur l'expérience de densité Marchal appliquée à l'Hévéaculture. Inst. des Rech. sur le Caoutchouc en Indochine. B. Tech. 1,24 p. 1952. 78.9 In7B

42186 BOLHUIS, G. G. L'emploi de la réaction par la couleur de Guignard dans la sélection du manioc. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:559-564. Nov./Dec.1952. 26 R323

42187 BOONBONGKARN, C. Introduction of Hevea braziliensis into Chantaburi. (In Siamese.) Kasikorn 25: 409-414. Sept.1952. 22.5 K15
English summary.

42188 BRØNDEGAARD, V. J. The smallholders in Bavaria grow peppermint. (In Danish.) Husmandshjemmet 3(3):1-2. Jan.20,1953. 11 H963

42189 CASSIDY, M. A. Pruning-coffee. 8. Good Husb. 2(7):15,17. Mar.1952. 24 G59

42190 CATTORINI, P. E. Muira - puama [Ptychopetalum olacoides]. (In Italian.) Fitoterapia 23:313-319. July/Sept.1952. 450 F55

42191 CHEKALIN, I. IA. Experiment in growing the warty spindle tree [Euonymus verrucosis]. (In Russian.) Lesn. Khoz. 5(12):78. Dec.1952. 99.8 L5622

42192 CHEVALIER, A. Les jujubiers ou Ziziphus du Sahara. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32: 574-577. Nov./Dec.1952. 26 R323

42193 COFFEE BOARD OF KENYA. A bibliography of technical articles published in the Coffee Board of Kenya Monthly Bulletin, 1935-1951. n.p.,1952. 115 p. 241 C65

42194 DREHER, K. Befliegt die biene kartoffelblüten? Ergebnis einer umfrage. Hess. Biene 88:242. Jan.1953. 424.8 B476

42195 DVORNIKOV, P. P. Extensive increase in propagation of spindle trees [Euonymus]. (In Russian.) Lesn. Khoz. 5(12):43-45. Dec.1952. 99.8 L5622

42196 FERWERDA, F. P. A possible explanation of the divergence between juvenile type budgrafts and their seedling mother trees in Hevea. Euphytica 2:15-24. Ref. Feb.1953. 450 Eu6

42197 FEUELL, A. J., and others. Cohune [Orbigyna cohune] nuts from British Honduras. Colon. Plant & Anim. Prod. 3:51-53. 1952/53. 472 C71
J. A. Squires, W. D. Raymond, and J. B. Ward, joint authors.

42198 GONÇALVES, L. Q. Replanting the coffee plantation. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1:56-58. Aug.1952. 9.2 M663

42199 HARIZUKA, M. Hop cultivation and sericulture (In Japanese.) Jap. J. Plant Protect. 36:269-270. June 1952. 421 J27

42200 HERB SOCIETY OF AMERICA. Report of the eighteenth annual meeting, Cambridge, Massachusetts, June 24, 25 and 26, 1952. n.p.,1952. 27 p. 81 H41R

42201 HOFFMANN, A. Ist qualitätshopfenbau im Mühlviertel möglich? Bauer 6(6):9-12. Feb.7,1953. 19 B32

42202 HOWARD, R. A. Captain Bligh and the breadfruit. Sci. Amer. 188:88-90,92,94. Mar.1953. 470 Sci25

42203 KATAR'IAN, T. G. Geographical [experiments in] planting tea in Armenia. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:120-121. 1952. 451 M854

42204 KHARITONOVICH, F. N. Advantages of the European spindle tree over the warty one in establishing unprotected plantations. (In Russian.) Lesn. Khoz. 5(12): 52-55. Dec.1952. 99.8 L5622
Euonymus.

42205 KOSHCHEEV, A. L. Development of root system of the warty spindle tree [Euonymus verrucosis]. (In Russian.) Lesn. Khoz. 5(12):55-56. Dec.1952. 99.8 L5622

42206 KRAVCHENKO, P. V. Growth and productive capacity of the wartybark and European spindle trees under conditions of unprotected plantations. (In Russian.) Lesn. Khoz. 5(12):46-51. Dec.1952. 99.8 L5622
Euonymus.

42207 KROKHIN, V. N. Tea in Armenian District, Krasnodar Territory. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:45-49. Sept.1952. 20 D742

42208 MACHADO S., A. Pronóstico de las cosechas del cafeto; algunos aspectos de los primeros trabajos exploratorios. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 3(36):36-40. Dec.1952. 68.29 C332

42209 MARIOTTI, A. La culture du géranium et du vétyver à la réunion. Rev. Internatl. des Prod. Colon. 28:27,29-31. Feb.1953. 286.8 R326

42210 MEJIA F., G. Confección del germinador para café. Soc. Antioqueña de Agr. B. Agr. 392:3783-3785. Dec.1952. 9.4 So1

42211 MEL'NICHENKO, A. N. A blooming succession of agricultural nectar-yielding plants. (In Russian.) Vsesoiùzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 18(11):43-48. 1952. 20 Ak1
Culture chiefly.

42212 NALIVAIKO, G. S., and PROCHAEV, V. P. Practices of leaders in obtaining high yields of hops. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:56-59. Dec.1952. 20 D742

42213 NALIVAĬKO, ÍÙ. S., and PROCHAEV, V. P. Practices of leaders in obtaining high yields of hops. (In Russian.) Sovet. Agron. 11:86-87. Jan.1953. 20 So84

42214 NEYBERGH, A. G. Quelques plantes à essences dans l'est de la Colonie. Belgium. Min. des Colon. B. Agr. du Congo Belge 44:1-40. (Cont.) Feb.1953. 24 K83 24 K83

42215 PAN AMERICAN UNION. Coffee. Washington, 1952. 19 p. 150.91 C65

42216 PEREIRA, S. Plants used in popular medicine in the Azores. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):111-116. First Semes.1953. 15 Az6

42217 QUESDA C, W. San Carlos es una excelente zona cafetalera. Agr. Costarricense 11:26-28. Jan.1953. 8 Ag895

42218 RAMOS, P. Culture and improvement of India tea in the state of Minas Gerais. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(10):65-82. Oct.1952. 9.2 M663

42219 RIVERA H., R. Anotaciones sobre el cultivo del cacao en Antioquia. Soc. Antioqueña de Agr. B. Agr. 392:3757-3761. (Cont.) Dec.1952. 9.4 So1

42220 ROUSSY, L. La vesce des champs Vicia craca (Légumineuses, Papilionacées). Gaz. Apic. 54(553): 7-8. Jan.1953. 424.8 G25

42221 SCHROEDER, C. A. The carob in California. Fruit Varieties & Hort. Digest 7:24-28. Dec.1952. .80 F9464

42222 SCHUBERT, A. Die bienenrauke als neuzeitliche trachtverbesserung. Deut. Kleintier-Züchter 8(1):2. Jan.5,1953. 49 D483

42223 SECONDINI B., O. La lechuguilla o ninfa, planta para abono verde. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):53-55,61. Dec.1952. 8 G937M
Seaweed.

42224 SILVA, A. Transplanting of the coffee tree. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(8):54-55. Aug.1952. 9.2 M663

42225 SIMON, F. Pflege der bienenweide. Osterr. Imker 3:12-13. Jan.1953. 424.8 Os7

42226 SKORNIAKOV, S. M. Many-sided use of white mustard. (In Russian.) Sovet. Agron. 10(12):84. Dec. 1952. 20 So84
Mixed planting with peas and other crops.

42227 SOUZA, W. W. C. DE. Restoration of coffee plantations. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:1102-1103. Dec.1952. 68.29 Sa63

42228 SPRINGER, G. The best foods in life are free. Org. Farmer 4(7):22-23,45-47. Feb.1953. 57.8 Or3
Wild plants.

42229 U. S. OFF. OF NAVAL RESEARCH. LONDON BR. Report on the International Seaweed Symposium, chemical aspects. London,1952. 4 p. (U. S. Office of Naval Research. Technical Report. ONRL-90-52) 153.87 R29

42230 VILLEGAS RODAS, M. Descubrese fuente de tanino en planta ornamental. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1:8-9,55-56. Oct.1952. 8 G934
Caesalpinia.

SOILS AND FERTILIZERS

SOIL SCIENCE

42231 SALTER, R. M. Survey of our soil resources. Soil Conserv. 18:195-200. Apr.1953. 1.6 So3S

42232 VANDECAVEYE, S. C. Soil geography and agriculture in Belgium and the Netherlands. Pacific Nowest. Fert. Conf. Proc. 2:119-125. 1951. 57.9 P11

42233 VINK, A. P. A. Soil investigation, tillage and mechanization. (In Dutch.) Bergcultures 22:3-9. Jan.1, 1953. 22.5 B45
English summary.

42234 VLASÍUK, P. A. On organizing [research] work for adapting the Dokuchaev-Kostychev-Vil'îams Complex in the Ukraine. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiríazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:343-379. Ref. 1952. 33.31 Ak13

Soil Physics

42235 ALBRECHT, W. A. How can we best use chemical soil conditioners? Better Farming Methods 25(3):14, 16. Mar.1953. 58.8 B46

42236 BERG, G. L. Krilium is playing a role at Seabrook Farms in practical soil conservation. Co. Agent & Vo-Ag Teacher 9(3):12-14. Mar.1953. 275.28 N213

42237 BOUYOUCOS, G. J. Capillary rise of water in soils under field conditions. J. Phys. Chem. 57:45-49. Jan.1953. 381 J822

42238 BOWER, C. A., and GSCHWEND, F. B. Ethylene glycol retention by soils as a measure of surface area and interlayer swelling. Soil Sci. Soc. Amer. Proc. 16:342-345. Oct.1952. 56.9 So3

42239 DEI, Y., and HAMASAKI, K. On the porosity of volcanic ash soils. (In Japanese.) Kyushu Noji Shikenjo 10:74-75. Sept.1952. 107.6 K996

42240 DONEEN, L. D., and HENDERSON, D. W. Soil conditions affecting infiltration of water and root development of crop plants. Amer. Soc. Sugar Beet Technol. Proc. 7:214-223. 1952. 66.9 Am35

42241 FIRSOVA, E. S. In regard to the problem of impermeability of soil structure. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiríazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:329-342. Ref. 1952. 33.31 Ak13

42242 FLEGG, P. B. The effect of aggregation on diffusion of gases and vapours through soils. J. Sci. Food & Agr. 4:104-108. Feb.1953. 382 So12

42243 FORCELLA, G. Flotal. (In Italian.) Rass. Chim. 4(6):27-29. Nov./Dec.1952. 385 R18
A soil corrective.

42244 GAISER, R. N. Readily available water in forest soils. Soil Sci. Soc. Amer. Proc. 16:334-338. Ref. Oct.1952. 56.9 So3

42245 GARDNER, W. H. Synthetic soil conditioners and some of their uses. Wash. State Hort. Assoc. Proc. 48:115-118,120-122. 1952. 81 W273

42246 GAREY, C. L. Soil conditioners, bridge to better crops; proper application can boost yields. South. Seedsman 16(3):14-15,66. Mar.1953. 61.8 So8

42247 HANOTIAUX, G., and MANIL, G. Note sur les résines synthétiques utilisées pour l'amélioration de la structure du sol. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:66-71. 1952. 105.1 G285

42248 HENIN, S., and LE BORGNE, E. Causes des propriétés magnétiques de certains sols. Acad. des Sci. Compt. Rend. 236:736-738. Feb.16,1953. 505 P21

42249 HORN. Der einfluss des grundwassers auf die gare des bodens. Landwirtbl. Weser-Ems 100:217-218. Feb.26,1953. 18 L2345

42250 KOLESNIKOV, D. I. New method of determining soil and ground moisture. (In Russian.) Gidrotekh. i Melior. 4(10):62-65. Oct.1952. 290.8 G362

42251 KRAG, E. Krilium. Vida Agr. [Lima] 29:1135-1140. Dec.1952. 9.8 V66

42252 MAMANINA, L. F. Water permeability of soils of the Central-Chernozem Area. (In Russian.) In Akademiîa Nauk. Institut Fiziologii Rasteniĭ im. K. A. Timiríazeva. Oroshenie sel'skokhozîaĭstvennykh kul'tur, v.1, p.26-38. Moskva,1952. 55 Ak1

42253 MAŘAN, B., and LHOTA, O. Die bedeutung der holzarten-zusammensetzung der waldbestände und der wirtschaftlichen eingriffe für die wassersickerung in den boden. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:555-570. Ref. Dec.1952. 19.5 C332C
German summary.

42254 MARTIN, W. P. Krilium, its use in arboriculture. Natl. Shade Tree Conf. Proc. 28:23-28. 1952. 99.9 N218

42255 NORVELL, L. Faust's experiment. Pop. Gard. [Albany] 4(3):48-49,127-128. Mar.1953. 80 P812
C. E. Faust's test using Krilium-treated Georgia clay soil for Dahlias.

42256 PEREZ-SALAS Y LAMO DE ESPINOSA, J. El nuevo producto "krilium." Semana Vitivinic. 8(343): 2-3. Jan.24,1953. 95.8 Se5

42257 PICARD, R. La traction mécanique en agriculture a-t-elle une incidence sur la fertilité des sols? Culture 39:7-12. (Cont.) Nov./Dec.1952. 14 C894

42258 PIRONE, P. P. All about soil conditioners. Gard. J. 3:45-47,55. Mar./Apr.1953. 80 G1635

42259 PIRONE, P. P. Soil conditioners, newest chemical aid for the gardener. House & Gard. 103(4): 222,224-225. Apr.1953. 80 H81

42260 SAFAR, R. Trockene fundamente. Landwirtschaft 23/24:382-383. Dec.1952. 19 L235
Soil mechanics in relation to foundations for buildings.

42261 SMOLIK, L. The influence of the exchangeable bases upon the height of the capillary rise of water in soil. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:473-478. Dec.1952. 19.5 C332C
English summary.

42262 SPENGLER, V. V. Microcomplexity of the soils of Kursk Regional Experimental Improvement Station and water stability of soil aggregates in carbonate and leached Chernozems. (In Russian.) In Akademiia Nauk. Institut Fiziologii Rastenii im. K. A. Timiriazeva. Oroshenie sel'skokhoziaistvennykh kul'tur, v.1,p.15-25. Ref. Moskva,1952. 55 Ak1

42263 WHELAN, D. E., MILLER, L. E., and CAVALLERO, J. B. A method of determining surface run-off by "routing" infiltrated water through the soil profiles. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 54,15 p. 1952. 1.9622 N2St22

Soil Chemistry and Mineralogy

42264 ALEIXANDRE, V. Métodos físicos empleados en el estudio de las arcillas. II. Ion 12:641-647. Ref. Dec.1952. 385 Io6

42265 ALMOND, H. Determination of traces of cobalt in soils. Analyt. Chem. 25:166-167. Jan.1953. 381 J825A

42266 ATKINSON, H. J. Applications of chemistry in soil research. Chem. Canada 5(2):31-34. Feb.1953. 381 C4236

42267 BARBIER, G., and CHABANNES, J. Sur l'adsorption des borates par des argiles. Acad. des Sci. Compt. Rend. 236:966-967. Mar.2,1953. 505 P21

42268 BEACHER, R. L. Soil tests provide basis for fertilizer efficiency. Victory Farm Forum 47:9-10. Feb. 1953. 281.8 F226

42269 BEAR, F. E., PRINCE, A. L., and TOTH, S. J. Effect of increasing fertilizer concentration on exchangeable cation status of soils. Soil Sci. Soc. Amer. Proc. 16:327-330. Oct.1952. 56.9 So3

42270 BERTRAMSON, B. R. The chemistry of soil acidity. Pacific Nowest. Fert. Conf. Proc. 2:39-45. 1951. 57.9 P11

42271 BROADBENT, F. E., and STOJANOVIC, B. F. The effect of partial pressure of oxygen on some soil nitrogen transformations. Soil Sci. Soc. Amer. Proc. 16:359-363. Ref. Oct.1952. 56.9 So3

42272 BURRIEL, F., and GALLEGO, R. Cobalto en suelos españoles. An. de Edafología y Fisiol. Veg. 11: 569-600. Ref. Nov./Dec.1952. 506 Sp12
English summary.

42273 BURSON, P. M., and KEOGH, J. L. Get the most from your soil tests. Minn. Farm & Home Sci. [Minn. Sta.] 10(2):3,5. Feb.1953. 100 M668

42274 BUTTERFIELD, N. W. Soil testing and interpretation. Gladiolus 28:69-73. 1953. 96.43 N44

42275 CHARLTON, D. B. Soil testing in a commercial laboratory. Pacific Nowest. Fert. Conf. Proc. 2: 20-21. 1951. 57.9 P11

42276 CHERNIKOVA, T. N. Method of preparing the soil for mechanical analysis. (In Russian.) Sovet. Agron. 11:62-66. Ref. Jan.1953. 20 So84

42277 COLLIER, D. Etude de l'altération des granites par la méthode de fusion au bisulfate. Acad. des Sci. Compt. Rend. 236:519-521. Feb.2,1953. 505 P21

42278 CONCHA ACUÑA, A. Análisis fisiológico de las tierras de cultivo y consideraciones generales sobre elementos menores del suelo. (Sum.) Simiente 22:21. Jan./June 1952. 9.3 Si4
Chile.

42279 DAS, A. K. Buffer capacity and related properties of some soils of Delhi and its neighbourhood. Cur. Sci. 22:24. Jan.1953. 475 Sci23

42280 DAVIES, E. B. Soil testing service of the Department of Agriculture. Massey Agr. Col. Dairy-farming Annu. 1952:13-19,21-25. 44.9 M382
Includes discussion.

42281 DROUINEAU, G., LEFEVRE, G., and BLANC-AICARD, D. Minéralisation de l'azote organique des sols au cours de la saison séche sous le climat méditerranéen. Acad. des Sci. Compt. Rend. 236:524-526. Feb.2,1953. 505 P21

42282 ENSMINGER, L. E. Loss of phosphorus by erosion. Soil Sci. Soc. Amer. Proc. 16:338-342. Ref. Oct.1952. 56.9 So3

42283 EVANS, E. J., and JACKSON, M. L. Chemical determination of sorbed water and structural hydroxyl in colloidal minerals of soils and sediments. Soil Sci. Soc. Amer. Proc. 16:364-368. Ref. Oct.1952. 56.9 So3

42284 HENIN, S., and ROBICHET, O. Sur les conditions de formation des minéraux argileux, par voie expérimentale, à basse température. Acad. des Sci. Compt. Rend. 236:517-519. Feb.2,1953. 505 P21

42285 JACKSON, M. L. Soil organic carbon determination with Fisher induction carbon apparatus. Soil Sci. Soc. Amer. Proc. 16:370-371. Oct.1952. 56.9 So3

42286 JANSSON, S. L., and CLARK, F. E. Losses of nitrogen during decomposition of plant material in the presence of inorganic nitrogen. Soil Sci. Soc. Amer. Proc. 16:330-334. Oct.1952. 56.9 So3

42287 KOBLIC, J. Borvorkommen in unseren gesteinen und böden. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:503-512. Ref. Dec.1952. 19.5 C332C
German summary.

42288 KYUSHU AGRICULTURAL EXPERIMENT STATION. On the paddy field soil developed on the old polder, and the sea mud of the Isahaya area, Nagasaki Prefecture. (In Japanese.) Kyushu Noji Shikenjo 10:87-89. Sept.1952. 107.6 K996

42289 LORENZ, O. A., and JOHNSON, C. M. Nitrogen fertilization as related to the availability of phosphorus in certain California soils. Soil Sci. 75:119-129. Feb.1953. 56.8 So3

42290 LOSSAINT, P. Influence de la composition chimique de litières forestières sur leur vitesse de décomposition. Acad. des Sci. Compt. Rend. 236:522-524. Feb.2,1953. 505 P21

42291 MAKSIMOW, A., and PAWLAK, T. Manganese sorption in peats. (In Polish.) Rocz. Nauk Roln. 59:163-179. 1952. 20.5 R59
English summary.

42292 MALAVOLTA, E., GALLI, F., and NOGUEIRA, I. R. Preliminary note on the biological determination of sulfur in soils by means of Aspergillus niger. Esc. Super. de Agr. "Luis de Queiroz." An. 8:176-183. Ref. 1951. 102.5 P66A

42293 MARSHALL, C. E., and PATNAIK, N. Ionization of soils and soil colloids. IV. Humic and hymatomelanic acids and their salts. Soil Sci. 75:153-165. Ref. Feb.1953. 56.8 So3

42294 MARTIN VIVALDI, J. L., and HENDRICKS, S. P. Reactividad de los iones H de las arcillas en disolventes no polares. I. An. de Edafología y Fisiol. Veg. 11:601-629. Ref. Nov./Dec.1952. 506 Sp12
English summary.

42295 MATSUDA, M., KANEGAWA, S., and WADA, M. Studies on the amelioration for the degraded paddy soils. II. The influence of occurrence and seasonable amount of H_2S in the degraded paddy soil on the roots and tops of rice plant. (In Japanese.) Kyushu Noji Shikenjo 10:21-24. Sept.1952. 107.6 K996

42296 MATSUO, H., TAKAGI, M., and MATSUSHITA, K. On the rapid chemical tests of soils and their applications. On their analytical techniques and mechanized equipments. (In Japanese.) Kyushu Noji Shikenjo 10:29-32. Sept.1952. 107.6 K996

42297 MOATI, P. L'analyse du sol. Rev. Agr. de l'Afrique du Nord 51:69-70. Jan.16,1953. 80 R326

42298 NAJMR, S. Der dauerhumus in der forschung der bodenbesserung unter den klee- und luzernegräsern und die angewandte laboratoriumsmethodik. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:479-494. Ref. Dec.1952. 19.5 C332C
German summary.

42299 NELLER, J. R. Effect of lime on availability of labeled phosphorus of phosphates in Rutlege fine sand and Marlboro and Carnegie fine sandy loams. Soil Sci. 75:103-108. Feb.1953. 56.8 So3

42300 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Have your soil tested-know what it needs. Okla. Agr. Col. Ext. C. 579,8 p.-folder. n.d. 275.29 Ok41C

42301 PEDERSEN, E. J. N. On phytin phosphorus in the soil. Plant & Soil 4:252-266. Ref. Jan.1953. 450 P696

42302 PHILLIPPE, M. M., and WHITE, J. L. Acid-soluble potassium and microcline content of the silt fractions of 12 Indiana soils. Soil Sci. Soc. Amer. Proc. 16:371. Oct.1952. 56.9 So3

42303 REISENAUER, H. M. Soil testing at W. S. C. [Washington State College]. Pacific Nowest. Fert. Conf. Proc. 2:3-4. 1951. 57.9 P11

42304 ROBERTSON, L. S., and SILVA PARRA, F. El valor de los análisis de suelos. Agr. Trop. 9:37-40. Jan.1953. 26 Ag8

42305 ROTINI, O. T., and others. The metaphosphoric acid absorption power of agricultural soil. (In Italian.) Chim. e l'Indus. 34:711-714. Dec.1952. 385 G43
A. del Carratore, G. Lotti, and L. Carloni, joint authors.

42306 RUZEK, C. V. Soil testing at the Oregon State Agricultural Experiment Station. Pacific Nowest. Fert. Conf. Proc. 2:8-9. 1951. 57.9 P11

42307 SCOTT, A. Cultivateurs, connaissez-vous bien vos sols? Ferme 14(6):18-19,39,42-44. Feb.1953. 7 F38

42308 SMITH, V. T. History, development and present use of soil testing in Idaho—1951. Pacific Nowest. Fert. Conf. Proc. 2:5-7. 1951. 57.9 P11

42309 SORTEBERG, A. Soil and plant analysis, especially as guide in fertilizing. (In Norwegian.) Landbrukstidende 59:89-90. (Cont.) Feb.4,1953. 11 L236

42310 STEVENS, W. L. Oklahoma tests its soil. Ranch & Farm World 3,i.e.4(9):3-4. Dec.1952. 6 R154

42311 STRØMME, E. Determination of rapid analysis for the determination of nitrates in soils. (In Norwegian.) Gartneryrket 43:59-62. Jan.24,1953. 80 G1938

42312 STRØMME, E. Determination of salt content of soils on the basis of electrical conductivity. (In Norwegian.) Gartneryrket 43:55-58. Jan.24,1953. 80 G1938

42313 TOLLEFSON, J. M. Soil testing by commercial laboratories. Pacific Nowest. Fert. Conf. Proc. 2:22-24. 1951. 57.9 P11

42314 TOLMAN, B., and JOHNSON, R. Soil testing by a commercial laboratory. Pacific Nowest. Fert. Conf. Proc. 2:10-19. 1951. 57.9 P11

42315 VERMEULEN, F. H. B. On percentage of error. (In Dutch.) T.N.O.-Nieuws 8:51-55. Feb.1953. 475 T11
Soil analysis.

42316 WEST, E. S., and HOWARD, A. Movement of salts in isolated soil columns. Austral. J. Agr. Res. 4:82-87. Jan.1953. 23 Au783

42317 ZEZSCHWITZ, E. VON. Praktische erfahrungen bei der pH-messung mit der antimonelektrode zwecks vereinfachung der kalkbedarfsbestimmung im boden. Z. f. Pflanzenernähr. Düngung. Bodenk. 58:231-244. Ref. 1952. 384 Z343A

Soil Biology

42318 ALEEM, M. I. H. Counting of Azotobacter in soils. Plant & Soil 4:248-251. Jan.1953. 450 P696

42319 BAPTISTA, C. R. Nitrogen fixed by lupines used as cover crop. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):138-141. First Semes. 1953. 15 Az6

42320 BONNIER, C. Milieu différentiel permettant la séparation de différentes souches de Rhizobium sp. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:146-147. 1952. 105.1 G285

42321 DOUIN, R. Sur la fixation de l'azote libre par les Myxophycées endophytes des Cycadacées. Acad. des Sci. Compt. Rend. 236:956-958. Mar.2,1953. 505 P21
Anabaena cycadeae.

42322 ELFIMOVA, E. N. Soil of the alluvial horizon of Solonetz soils as a bacterial fertilizer. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:164-172. Ref. 1952. 33.31 Ak13
Inoculation of legumes.

42323 ESTRADA RAMOS, N. Importancia de la activación bacterial en los suelos ácidos. Agr. Trop. 9(2):37-38. Feb.1953. 26 Ag8

42324 FEDOROV, M. Microbiology in the service of increasing productivity. (In Russian.) Kolkhoz. Proizvodstvo 12(12):26-28. Dec.1952. 281.8 K83
Soil microorganisms.

42325 KAMEN, M. D. Discoveries in nitrogen fixation. Sci. Amer. 188:38-42. Mar.1953. 470 Sci25

42326 KRASIL'NIKOV, N. A. Microorganisms and soil fertility in the light of V. R. Vil'iam's teaching. (In Russian.) Agrobiologiia 6:57-72. Ref. Nov./Dec. 1952. 20 Ag822

42327 KUHNELT, W. Behandeln wir den boden richtig? XVIII. Organismen erhalten die fruchtbarkeit des bodens. I-II. Tech. f. Bauern u. Gärt. Ausg. A 5:2-5,53-55. Jan.10,Feb.10,1953. 58.8 T223

42328 LIKAIS, R. Uber den einfluss des bodens und antagonistischer bodenmikroben auf den parasitismus von Pythium de Baryanum. Arch. f. Mikrobiol. 18:49-100. Ref. 1952. 442.8 Ar26

42329 MANIL, P. Que font les microbes du sol? Sillon Belge 23(541):1,5. Jan.3,1953. 13 Si3

42330 MISHUSTIN, E. N. Introduction of the Dokuchaev-Kostychev-Vil'iams Complex and problems of agricultural microbiology. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noi Sistemy Zeml. 1:152-163. Ref. 1952. 33.31 Ak13
Includes soil microbiology.

42331 NELSON, C. I. Co-operation at work among soils and plants. N. Dak. Agr. Expt. Sta. Bimon. B. 15: 124-127. Jan./Feb.1953. 100 N813B
Legumes and nitrogen fixation.

42332 PARKER, D. T., and ALLEN, O. N. The nodulation status of Trifolium ambiguum. Soil Sci. Soc. Amer. Proc. 16:350-353. Ref. Oct.1952. 56.9 So3

42333 PISKAREVA, L. T. Effectiveness of phosphorobacterin on slightly leached Chernozem soils. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:41-43. Jan.1953. 20 D742
Experiments with cereals chiefly.

42334 POWELL, T. Emphasis on earthworms. III. Org. Gard. 21(2):28-29,50-51. Feb.1953. 56.8 Or3

42335 PRAKASH, R., and SAKSENA, R. K. Decomposition of paddy and bajra (Pennisetum typhoideum) straws by fungi commonly found in Allahabad soils. Indian Acad. Sci. Proc. Sect. B 36:119-128. Ref. Sept. 1952. 513 In25B

42336 PRONIN, M. E., and EFIMTSEV, M. I. Phosphorobacterin as a prospective fertilizer on ordinary Chernozem soils. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:173-184. Ref. 1952. 33.31 Ak13
Experiments with field crops.

42337 RONDE, G. Vorkommen, häufigkeit und arten von regenwürmern in verschiedenen waldböden und unter verschiedenen bestockungen. 2. Untersuchungen in einem forstbetrieb des württ. Alpenvorlandes. Forstwiss. Centbl. 72:37-56. Ref. Jan./Feb.1953. 99.8 F775

42338 SPRINGER, U., and LEHNER, A. Stoffabbau und humusaufbau bei der aeroben und anaeroben zersetzung landwirtschaftlich und forstwirtschaftlich wichtiger organischer stoffe. I. Z. f. Pflanzenernähr. Düngung. Bodenk. 58:193-231. 1952. 384 Z343A

42339 TSCHAPEK, M., and GARBOSKY, A. J. Nuevos conceptos sobre enriquecimiento del suelo: el Azotobacter. Uruguay. Min. de Ganad. y Agr. B. Inform 9(449):10-11. Jan.8,1953. 9.9 G15B

42340 WILLIAMS, W. A., LENZ, J. V., and MURPHY, A. H. Establishment of subclover; inoculation with nitrogen-fixing bacteria found to be an insurance against failure of stand establishment. Calif. Agr. [Calif. Sta.] 7(2):3,16. Feb.1953. 100 C12Cag

42341 WILLIAMS, W. A. Inoculation increases legume yield. West. Feed & Seed 8(2):26,28,39. Feb. 1953. 389.78 W52

Soil-Plant-Animal Relationships

42342 ALBRECHT, W. A. The cow ahead of the plow. Mod. Nutr. 6(2):9-10. (Cont.) Feb.1953. 389.9 Am352
Soil fertility and conservation in relation to cattle nutrition.

42343 BRAY, R. H. Trace elements—have they been found wanting? Livestock Wk. 7(18):4-5. Mar.5,1953. 49 L753
Soil-plant-animal relations.

42344 THORNTON, M, K. Our food is no better than the soil. Farmer-Stockman,Tex. Ed. 56(3):28,83,93,96. Mar.1953. 6 F22127

Soil Genesis, Formation, Classification, and Mapping

42345 AALTONEN, V. T. Soil formation and soil types. Fennia 72:65-73. Ref. 1952. 511 H367

42346 ALICANTE, M. M. Philippine soil survey by provinces. III. Agr. Wk. 1(4):7. Oct.26,1952. 25 Ag83

42347 ARNOL'DI, L. V., and SHTEINBERG, D. M. General geographic description of the districts of the middle and lower course of Ural River. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:17-43. Ref. 1952. 410.9 L543
Includes soils and botany.

42348 AUER, V. Peat lands. Fennia 72:235-257. Ref. 1952. 511 H367

42349 AVERNA, V. A contribution to information on Sicilian Red soils. II. (In Italian.) Ann. della Sper. Agr. (n.s.)7:197-210. 1953. 16 An76
English summary.

42350 CARROLL, D. Description of a Montalto soil in Maryland. Soil Sci. 75:87-102. Ref. Feb.1953. 56.8 So3

42351 GORODKOV, B. N. Origin of arctic deserts and tundras. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:355-403. Ref. 1952. 451 Sa21G
Includes vegetation.

42352 GRADER, A. Die 2000. gemeindebodenkarte für die landwirtschaft. Landwirt. Wchnbl. 143:313-314. Mar.14,1953. 18 L2338

42353 HARRADINE, F. F., and others. Soil survey, Coalinga area, California. U. S. Bur. Plant Indus., Soils & Agr. Engin. Soil Survey 1944(1),91 p. Ref. Dec.1952. 1 So32F

42354 HEIKURAINEN, L. Some thoughts on the question of swamp types. (In Finnish.) Metsätaloudellinen Aikakauslehti 1:17-18,21. 1953. 99.9 F49
English summary.

42355 HOOVER, M. D., and LUNT, H. A. A key for the classification of forest humus types. Soil Sci. Soc. Amer. Proc. 16:368-370. Oct.1952. 56.9 So3

42356 KLINGELHOETS, A. J., LUMB, E. R., and BUNTLEY, G. J. Soils of Day County, South Dakota. S. Dak. Agr. Expt. Sta. B. 421,56 p. May 1952. 100 So82

42357 LEIGHTY, W. J., and WYATT, C. E. Soil survey, Graves County, Kentucky, revised by R. C. Jurney. U. S. Bur. Plant Indus., Soils & Agr. Engin. Soil Survey 1941(4),139 p. Ref. Jan.1953. 1 So32F

42358 OGG, SIR W. Los trabajos sobre clasificación de suelos en la Estación Experimental de Rothamsted. An. de Edafología y Fisiol. Veg. 11:631-640. Nov./Dec. 1952. 506 Sp12
English summary.

42359 SCHAUFELBERGER, P. Die klimabodentypen des tropischen Kolumbiens. Zurich. Natforsch. Gesell. Vrtljahrschr. 97:92-114. Ref. June 30,1952.

42360 STORIE, R. E., and WEIR, W. W. Generalized soil map of California. Calif. Agr. Col. Manual 6,52 p. 1953. 276 C121M

42361 U. S. BUR. OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING. DIV. OF SOIL SURVEY. Field and laboratory data on some Podzol, Brown Podzolic, Brown Forest, and Gray Wooded soils in northern United States and southern Canada. U. S. D. A. Soil Survey Lab. Memo. 1,191 p. 1952. 1 Ag84Soi
Agricultural Experiment Stations of Connecticut, Idaho, Montana, Minnesota, Washington, and Wisconsin, and the Experimental Farm Service, Department of Agriculture, Canada cooperating.

42362 YOSHINO, M., and KOIKE, Y. Studies on the soil morphology and the growth of crops. I. (In Japanese.) Kyushu Noji Shikenjo 10:92-94. Sept.1952. 107.6 K996

SOIL MANAGEMENT

42363 ALTEN, F. Gesunder boden, gesunder betriebsleiter. Zucker 6:46-52. Feb.1,1953. 65.8 Z82

42364 ANDERSON, R. Can land take corn every year? Farm J. 77(3):42,180. Mar.1953. 6 F2212

42365 ASTAPOV, S. V., and SPENGLER, V. V. Soil improvement outline of Kursk Regional Experimental Improvement Station. (In Russian.) In Akademiîa Nauk. Institut Fiziologii Rasteniĭ im. K. A. Timirîazeva. Oroshenie sel'skokhozîaĭstvennykh kul'tur, v.1,p.5-14. Ref. Moskva,1952. 55 Ak1

42366 BALFOUR, E. Home and abroad. Mother Earth 7:13-22. Jan.1953. 56.8 M85
Organic farming.

42367 BEAR, F. E. What's new in soil husbandry. Better Farming Methods 25(3):42-43. Mar.1953. 58.8 B46

42368 BLOW, T. H. Sixteen years of soilbuilding on Vermont farms. Better Crops Plant Food 37(2):11-14, 46-47. Feb.1953. 6 B46

42369 BOAWN, L. C., and others. Reclamation of a saline-alkali soil by leaching and gypsum treatments using sugar beets as an indicator crop. Amer. Soc. Sugar Beet Technol. Proc. 7:138-145. 1952. 66.9 Am35
F. Turner, C. D. Moodie, and C. A. Bower, joint authors.

42370 BORGMAN, H. H. Salt. (In Dutch.) Betuws Tuinbouwbl. 10(24):4. Feb.21,1953. 80 B464
Injuries to soil through inundation.

42371 BROWN, C. B. Flood prevention through watershed planning. Agr. Engin. 34:159-162,167. Mar. 1953. 58.8 Ag83

42372 BRUNE, F. Fortschritte in der bewirtschaftung von hochmoor und heidesandböden. Z. f. Pflanzenernähr. Düngung. Bodenk. 58:245-257. 1952. 384 Z343A
Germany.

42373 DUNCAN, E. R., SHRADER, W. D., and PESEK, J. Soil and crop management practices for '53. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:122-124. Jan.1953. 275.28 Io94

42374 DUNCAN, J. A. The truth about organic farming. Dairy Farmer [Ipswich] 26(3):30-31. Mar.1953. 44.8 D1414

42375 EVERS, R. A new way of life. Org. Gard. 21 (3):30-31,74. Mar.1953. 56.8 Or3
Dynamic farming.

42376 GARDNER, R., and ROBERTSON, D. W. The effect of alfalfa on the yields of non-leguminous crops in a rotation. Amer. Soc. Sugar Beet Technol. Proc. 7:224-228. 1952. 66.9 Am35

42377 GLANVILLE, E. B. Developing sand dune country at Flock House Farm of Instruction. New Zeal. J. Agr. 86:65-67,69,71. Jan.15,1953. 23 N48J

42378 GRECO, A. A concrete example of integral land reclamation. (In Italian.) Cassa per il Mezzogiorno. Nov. 1(11/12):10-16. Nov./Dec.1952. 280.8 N82

42379 HARRINGTON, E. Soil management for home fruit gardeners. Org. Gard. 21(3):16-17,46-48,54-55. Mar.1953. 56.8 Or3

42380 HUSEMANN, C. Zur bewertung und bewirtschaftung sogen. grünlandböden. Landwirtbl. Weser-Ems 100:133-135. Feb.5,1953. 18 L2345

42381 KONDION, A. K. Deep aeration of vineyards with simultaneous fertilizing. (In Russian.) Vinodel. i Vinograd. 12(9):46-47. Sept.1952. 95.8 V77

42382 KRYLATOV, A. K. Control of swamps in irrigated zones. (In Russian.) Vinodel. i Vinograd. SSSR. 13:7-8. Jan.1953. 95.8 V77
Soil management.

42383 LÖHR, L. Bergbäuerliche bodennutzung ohne egartbetrieb. Kärntner Bauer 102:645-646. Dec.20,1952. 19 K14
Soil management.

42384 MAKI, T. E. Watershed management. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.94-99. Raleigh, 1952. 279.9 C7633

42385 MULLER, J., and BILDERLING, G. DE. Les méthodes culturales indigènes sur les sols équatoriaux de plateau. Inst. Natl. pour l'Etude Agron.du Congo Belge. B. d'Inform. 2:21-30. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb.1953. 24 K83

42386 NOGUCHI, Y. Run-off coefficient as an index for comparing the water regulating function of watersheds. (In Japanese.) Tokyo U. Forests. B. 43:175-188. June 1952. 99.9 T57
English summary.

42387 ORMELING, F. J. The Timor problem. J. Sci. Res. 1:183-187. Aug./Sept.1952. 475 J822
Shifting cultivation.

42388 OSTERLI, V. P., and LOVE, R. M. From brush to grass to cattle! What's New Crops & Soils 5(6): 18-19. Mar.1953. 6 W55

42389 PANEGROSSI, T. Mountain reclamation societies. (In Italian.) Monti e Boschi 3:505-515. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

42390 PORTERES, R. Linear cultural sequences in primitive systems of agriculture in Africa and their significance. Sols Africains 2:133,135,137,139,141,143, 145,147,149. July 1952. 56.8 So4

42391 POST, G. V. Why waste rainfall? We lose a large portion of the benefits of rainfall if our soils are not fertile or we fail to fertilize enough. Hoard's Dairyman 98:188. Feb.25,1953. 44.8 H65

42392 REIS, H. Burning and soil fertilization. (In Portuguese.) Granja [Lisboa] 12:53-57. Jan./Mar.1953. 15.5 G76

42393 ROBERTSON, L. S. A study of the effects of seven systems of cropping upon yields and soil structure. Amer. Soc. Sugar Beet Technol. Proc. 7:255-264. 1952. 66.9 Am35

42394 SCHAFFER, W. Das technische feld. Uebersicht 4:65-66. Jan.1953. 18 Ub3
Dry farming in Turkey.

42395 SPANNAGEL, G. Grundlagen der bodenfruchtbarkeit. I. Die bodenentwicklung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110:170-171. Jan.29,1953. 18 L2346

42396 THORBURN, J. Two vital questions: do artificials exhaust fertility? And do they poison crops and stock? Dairy Farmer [Ipswich] 26(2):19,21. Feb.1953. 44.8 D1414
Organic farming.

42397 TILSHER, W. G. West coast organiculture. Org. Gard. 21(2):12-13,36. Feb.1953. 56.8 Or3

42398 U. S. BUR. OF RECLAMATION. The reclamation program, 1953-59. Golden Jubilee ed. Washington, 1952. 24 p. 156.85 R242

42399 VLIET, A. M. VAN. Treatment of inundated soils. II. (In Dutch.) Boer en Tuinder 7(313):6. Feb.14, 1953. 12 B632

42400 VYSOTSKII, A. A. Change in soil structure through forage crop rotations on flood plains. (In Russian.) Kormovaia Baza 4:18-23. Jan.1953. 60.8 K84

42401 WEBER, L. Strip mine rehabilitation. Outdoors Ill. 18(3):22-23. Autumn 1952. 279.9 IL6IL

42402 WELLS, L. Starting right with organic seeds. Org. Gard. 21(3):26-27,71-73. Mar.1953. 56.8 Or3

42403 ZANINI, E. Hill reclamation in the dry-hot zones. (In Italian.) Gior. di Agr. 63:45-46. Feb.8,1953. 16 It1G
Italy.

Soil Fertility

42404 AAS, J. Vegetable fertilizing. (In Norwegian.) Kolonihagen 23:14-17. Feb.1953. 80 K83

42405 ALBRECHT, H. R. More from your fertilizer dollar. Natl. Fert. Rev. 28:14. Jan./Mar.1953. 57.8 F414

42406 ALLSTETTER, W. R. Can fertilizer recommendations be geared to crop prices? The answer is "yes!" Natl. Fert. Rev. 28:6-7. Jan./Mar.1953. 57.8 F414

42407 ALVAREZ-LAVIADA, M. El nitrógeno en el cultivo de la caña. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(198):24-29. Oct./Dec. 1952. 8 R323

42408 ANDERSON, A. J., and ARNOT, R. H. Fertilizer studies on basaltic Red loam soil from the Lismore District, New South Wales. Austral. J. Agr. Res. 4:29-43. Ref. Jan.1953. 23 Au783

42409 APPLE, S. B. Fertilizer studies with vegetable crops at Oregon State College. Pacific Nowest. Fert. Conf. Proc. 2:57-58. 1951. 57.9 P11

42410 ARAUJO, W. A. DE, and others. Contribution to the study of organic matter in Minas Gerais soils. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(9):19-54. (Cont.) Sept.1952. 9.2 M663
S. de L. Viana, V. Ilchenko, and O. Viana, joint authors.

42411 ASCH, J. The plant foods in your soil. Flower Grower 40(3):66-67,127-128. Mar.1953. 80 M72

42412 BAIRD, B. L. The response of sugar beets to fertilizers in western South Dakota. Amer. Soc. Sugar Beet Technol. Proc. 7:189-195. 1952. 66.9 Am35

42413 BAKER, G. O. Nitrogen fertilization of wheat in non-irrigated areas. Pacific Nowest. Fert. Conf. Proc. 2:82-85. 1951. 57.9 P11

42414 BALKS, R. Die bedeutung des schwefels in der pflanzenernährung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:250. Feb.12,1953. 18 L2346

42415 BALKS, R. Zur magnesiumversorgung der kulturpflanzen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1613-1614. Oct.2,1952. 18 L2346

42416 BARBA, L. DELLA. Fertilize! (In Italian.) Agr. Ferrarese 56:194-196. Sept.30,1952. 16 Ag87

42417 BAUR, K. E. Why place fertilizers? Pacific Nowest. Fert. Conf. Proc. 2:100-101. 1951. 57.9 P11

42418 BAXTER, A. Corn can build soil fertility. Farm Q. 8:33-35,152-158. Spring 1953. 6 F22995
Enough fertilizer to improve the soil and increase corn yields.

42419 BEARD, J. S. Fertiliser experiments on black wattle. So. African J. Sci. 49:205-206. Jan.1953. 515 So84

42420 BENSON, N. R. Nutritional sprays for fruit trees. West. Fruit Grower 7(2):17-18. Feb.1953. 95.8 G762

42421 BERARDO, C. La fumure intensive des jardins maraichers. Agriculture [Paris] 17(142):13-14. Jan.1953. 14 Ag823

42422 BERENDES, P. Die bedeutung der kalidünger. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:340-341. Feb.26,1953. 18 L2346

42423 BERENDES, P. Zur stickstoffdüngung der kulturpflanzen. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:431-432. Mar.12,1953. 18 L2346

42424 BERG, E. Forest fertilizing. (In Norwegian.) Samvirke 48:24-30. Jan.15,1953. 280.28 Sa4

42425 BERGER, K. C. A fertilizer prescription for potatoes. Badger Common'Tater 6:4-5. Jan.1953. 75.8 B14

42426 BERGER, K. C. Minor elements for maximum economical yield. (Excerpts.) Canning Trade 75(34): 66-67. Mar.9,1953. 286.83 T67

42427 BLASER, R. E., and BRADY, N. C. Grasses and weeds—the potash robbers. Better Crops Plant Food 37(2):6-10,47-48. Feb.1953. 6 B46

42428 BOGDANOV, P. L. Biology and dynamics of the grass and moss carpet of a spruce and whortleberry grove. (In Russian.) Bot. Zhur. 37(6):864-868. Nov./Dec. 1952. 451 R923

42429 BOTTINI, E. How soils react to potassic fertilizing. (In Italian.) Ann. della Sper. Agr. (n.s.)7: 165-187. Ref. 1953. 16 An76
English summary.

42430 BRAGE, B. L. Is nitrogen needed in western South Dakota? S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:36-41,50. Winter 1953. 100 So82S

42431 BROUSE, E. M., EHLERS, P. L., and VIEHMEYER, G. Fertilizer experiments on native subirrigated meadows in Nebraska, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 28,10 p. Feb.1953. 100 N27O

42432 BRUNING, D. Beobachtungen über kali- und magnesiummangel bei der Robinie (Robinia pseudacacia) und der perennierenden lupine (Lupinus polyphyllus). Ernähr. der Pflanze 3:127-139. (Concl.) Dec.1952. 57.8 Er62
English summary.

42433 BRUNNER. Ergebnisse von nährstoffmangelversuchen unter berücksichtigung der kalkfrage. Württemb. Wchnbl. f. Landwirt. 120:32-34,56-57. Jan.10-17, 1953. 18 W96
Hay composition.

42434 BUCHER, R. Gemeindeweise bodenuntersuchung, ihre bedeutung für die düngungsberatung und für die praktische landwirtschaft. Landwirt. Jahrb. f. Bayern 30: 64-80. Ref. Jan.1953. 18 L24

42435 BUROV, D. I. Yields of grass-legume mixtures and improvement of Chernozem soil structure in the Volga area. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 18(11):8-15. 1952. 20 Ak1

42436 BYCZKOWSKI, A., and BATALIN, M. Autumn and spring fertilisation of winter-grain. (In Polish.) Rocz. Nauk Roln. 59:205-213. 1952. 20.5 R59
English summary.

42437 CAIN, J. C. How are your blueberries doing? Farm Res. [N. Y. Sta.] 19:11. Jan.1953. 100 N48A
Chiefly fertilizers.

42438 CALIL, J. Mucuna, one of the richest and most productive of legumes. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(8):43-46. Aug.1952. 9.2 M663

42439 CARSON, I. W. 18 pounds of seed cotton for one pound of nitrogen. Victory Farm Forum 47:13-14. Feb.1953. 281.8 F226

42440 CERASINO, C., and RODIO, M. Nitrogen and phosphate fertilization of the olive in relation to pruning. (In Italian.) Terra e Sole 125:15-16. Jan.1953. 16 T273

42441 CHAPMAN, C. J. Lime and fertilizer—a program that produces interest on a loan from the nation's soil bank. Co. Agent & Vo-Ag Teacher 9(3):36-39. Mar. 1953. 275.28 N213

42442 CHATEAU, R. P. Agriculture tropicale et fertilisation. Belgium. Min. des Colon. B. Agr. du Congo Belge 44:41-66. Ref. Feb.1953. 24 K83

42443 CHERRY, G. Fertilisers are good business. II. Agr. Merchant 33:50-51. Feb.1953. 10 Ag89
Crop responses.

42444 CHIBA, H., and IDE, K. Studies on the soils receiving continuous compost dressing. 1. (In Japanese.) Kyushu Noji Shikenjo 10:102-103. Sept.1952. 107.6 K996

42445 CHINLOY, T., INNES, R. F., and FINNEY, D. J. An example of fractional replication in an experiment on sugar cane manuring. J. Agr. Sci. 43:1-11. Jan.1953. 10 J822

42446 CHRISTENSEN, P. D., and LYERLY, P. J. Cotton yields in El Paso Valley as influenced by time of application of ammonium nitrate and superphosphate, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1534,2 p. Jan.26, 1953. 100 T31P

42447 CHRISTENSEN, P. D., BAYLES, J. J., and LYERLY, P. J. Cotton yields at Pecos as influenced by time of application of ammonium nitrate and superphosphate, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1535,2 p. Jan.26,1953. 100 T31P

42448 CROSBY, J. Liquid fertilizer boosts soil. Fuchsia Fan 13(2):8-9. Feb.1953. 96.532 F952

42449 COILE, T. S. Forests and soils. Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.100-102. Raleigh,1952. 279.9 C7633

42450 COLWELL, W. E., and NELSON, W. L. Make the most from your fertilizer investment. Natl. Fert. Rev. 28:10-11. Jan./Mar.1953. 57.8 F414

42451 COLWELL, W. E. More profit from more efficient use of fertilizer. Victory Farm Forum 47:8-9. Feb.1953. 281.8 F226

42452 DESAI, S. V., and SUBBIAH, B. V. Relative value of nitrogen and phosphate in some organic manures and inorganic fertilisers and their combinations as judged by their recovery by crops. Indian Acad. Sci. Proc. Sect. B 36:181-190. Nov.1952. 513 In25B

42453 DIEMER J., J. Ensayos de abonos y de dosis y época de aplicación de salitre en la hacienda Quichanmahuida. Simiente 22:53-65. Jan./June 1952. 9.3 Si4

42454 DIONIGI, A. Nitrate fertilization of wheat. (In Italian.) Italia Agr. 90:29-34. Jan.1953. 16 It1

42455 DOETSCH, J. F. Sodium is a key to greater fertilizer efficiency. Victory Farm Forum 47:2,24. Feb.1953. 281.8 F226

42456 DUCKWORTH, W. R., and HILLS, F. J. Possibilities of improved nitrogen fertilization of sugar beets through the use of leaf analysis. Amer. Soc. Sugar Beet Technol. Proc. 7:252-254. 1952. 66.9 Am35

42457 DUNTON, H. L. Fertilization of pasture. Shorthorn World 37(21):20-22. Feb.15,1953. 43.8 Sh7

42458 DUNTON, H. L. Why settle for less than 100 bushels per acre. Victory Farm Forum 47:23-24. Feb. 1953. 281.8 F226
Fertilizer utilization.

42459 DURCKHEIM, W., GRAF VON. Düngerberatung heute und morgen. Deut. Landwirt.-Gesell. Mitt. 68:184-186. Feb.19,1953. 18 N39
Program.

42460 EJSING, G. Fertilizing of fruit trees. (In Danish.) Erhvervsfrugtavleren 19:112. Feb.1,1953. 80 Er3

42461 EJSING, G. Fertilizing of fruit trees. (In Danish.) Jydsk Landbr. 35:46-47. Jan.15,1953. 11 J99

42462 ENFIELD, G. H. Fertilizer use—the farmer's best insurance policy. Natl. Fert. Rev. 28:12. Jan./Mar. 1953. 57.8 F414

42463 ENGELMANN, H. Düngung und der böse herbst 1952. Praxis u. Forsch. 5:26. Feb.20,1953. 18 P89

42464 ESPINOZA TORO, R. Contribución al estudio de la fertilización del trigo con salitre. Simiente 22: 73-83. Jan./June 1952. 9.3 Si4

42465 ETTINGER, R. Research pays off; the University of Missouri and the Soil and Health Foundation cooperate to show that rocks can feed potash to plants. Org. Farmer 4(7):16-17. Feb.1953. 57.8 Or3

42466 FALK, K. Can mulching of cucumber beds be replaced by chemical fertilizer? (In Norwegian.) Gartneryrket 43:66-69. Jan.24,1953. 80 G1938

42467 FISHER, F. L., and SMITH, J. C. Corn fertilizer-spacing-variety studies near College Station, 1949-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1538,2 p. Jan.27, 1953. 100 T31P

42468 FORSEE, W. T. Fertilizer requirements of vegetable crops growing on the organic soils of the Florida Everglades. Veg. Growers Assoc. Amer. Annu. Rpt. 44:70-82. Ref. 1952. 81 V52

42469 FRANÇOT, O., and BADOUR, C. Le diagnostic foliaire en Champagne. Potasse 27(201):3-7. Jan.1953. 57.8 P84

42470 FRANKE. Einzeldünger oder volldünger? Landwirt. Z. der Nord-Rheinprov. 120:134-135. Jan.31, 1953. 18 L2344

42471 FRODDEN, R. E. El sodio, elemento fertilizante. Simiente 22:147-150. Ref. Jan./June 1952. 9.3 Si4

42472 FULLMER, F. S. Sugar beet leaf analysis survey in five Western States. Amer. Soc. Sugar Beet Technol. Proc. 7:166-171. 1952. 66.9 Am35

42473 FULLMER, F. S. Sugar beet leaf analysis survey in five Western States. Pacific Nowest. Fert. Conf. Proc. 2:93-99. 1951. 57.9 P11

42474 FULLMER, F. S. Use of foliar diagnosis in identifying nutritional disorders. Pacific Nowest. Fert. Conf. Proc. 2:33-34. 1951. 57.9 P11

42475 GALE, J. F. Ease the squeeze with fertilizer. Natl. Fert. Rev. 28:3-5. Jan./Mar.1953. 57.8 F414

42476 GARRARD, E. H. Artificial manures and composts. Canad. Gladiolus Soc. Annu. 1953:112-113,125. 82 C164Q

42477 GARST, R. My experiences with fertilizer. Natl. Joint Comt. Fert. Appl. Proc. 28:27-32. 1952. 57.9 N216
For corn.

42478 GASPART, E. Faut-il chauler les terres acides? II. Sillon Belge 23(544):4. Jan.24,1953. 13 Si3

42479 GAUL. Wer hat das erste grünfutter? Bad. Landwirt. Wchnbl. 120:68-69. Jan.17,1953. 18 B142
Forage plant fertilization.

42480 GEIGER, A. Warum anbau- und düngungsplan? Allgäuer Bauernbl. 21:125. Feb.26,1953. 18 AL53

42481 GIESECKE, F. Bodenuntersuchung und frühjahrsdüngung. Hannoversche Land- u. Forstwirt. Ztg. 106:192-193. Feb.14,1953. 18 H194

42482 GOETSCH, F. L. Corn every year—why not? Farm Prog. 9(2):5. 1953. 281.8 F2224
Fertilizing.

42483 GOLUBEV, V. D. Green manure—important means for increasing fertility of the irrigated Chestnut soils in the Volga Area. (In Russian.) Sovet. Agron. 10 (11):51-56. Ref. Nov.1952. 20 So84

42484 GOMES, F. P. The interpolation of Mitscherlich's first approach law and the analysis of variance in experiments with fertilizers. Esc. Super. de Agr. "Luis de Queiroz." An. 8:195-204. 1951. 102.5 P66A

42485 GOMES, F. P. Mitscherlich law and the analysis of variance in fertilizer experiments. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:355-380. 1951. 102.5 P66A
English summary.

42486 GOMES, F. P., and NOGUEIRA, I. R. Polynomial tables for interpolation in the Mitscherlich equation. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:57-67. 1951. 102.5 P66A

42487 GOMES, F. P., and MALAVOLTA, E. Studies on the statistical analysis of fertilizer experiments with the aid of the Mitscherlich law. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:1-14. 1951. 102.5 P66A
English summary.

42488 GORSKI, M., and MOSKAL, S. The influence of top-dressing on barley and oats. (In Polish.) Rocz. Nauk Roln. 59:181-204. Ref. 1952. 20.5 R59
English summary.
With nitrogen fertilizer.

42489 GRAVES, B. L. Foliar feeding gives plants 'breakfast of champions.' South. Seedsman 16(3):22,74, 79. Mar.1953. 61.8 So8

42490 GRILL, F., and WOHLMUTH, N. Untersuchungen über den gehalt an kali, phosphorsäure und stickstoff von weinreben. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:20-22. Jan.1953. 105.9 K696
English summary.

42491 GRINCHENKO, A. M. Effectiveness of row application of gypsum to agricultural crops on saline soils. (In Russian.) Sovet. Agron. 10(12):61-67. Ref. Dec.1952. 20 So84

42492 GRISSOM, F. H. Nitrogen is essential for high yields of cotton. Victory Farm Forum 47:5-6. Feb.1953. 281.8 F226

42493 GUNTHER, E. Einfluss der düngung mit verschiedenen wurzeln auf das wachstum von hafer. Z. f. Acker- u. Pflanzenbau 95:435-444. Nov.1952. 18 J825

42494 HADDOCK, J. L. The nitrogen requirement of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7: 159-165. Ref. 1952. 66.9 Am35

42495 HADDON, C. B. How much nitrogen for corn and cotton? Victory Farm Forum 47:11. Feb.1953. 281.8 F226

42496 HARSTON, C. B. The A-B-C's of soil fertility, N-P-K. Pacific Nowest. Fert. Conf. Proc. 2:35-38. 1951. 57.9 P11

42497 HAUCK. Düngen wir richtig? Bad. Landwirt. Wchnbl. 120:91. Jan.24,1953. 18 B142

42498 HEINICKE, A. J. The food supply of fruit trees. Wash. State Hort. Assoc. Proc. 48:83-90. 1952. 81 W273

42499 HEINRICH, H. Die düngung im gemüsegarten. Obstbau 72:26-27. (Cont.) Feb.1,1953. 80 Ob73

42500 HELME, R. W. What we advise in Lancashire. Farmer & Stock-Breeder 67(3307):54-55. Mar.10,1953. 10 F228
Fertilizer application and response.

42501 HERNANDEZ-MEDINA, E. Filter press cake increases pineapple yields in Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. B. 104,38 p. Ref. Apr.1952. 100 P83

42502 HERVEY, R. J., and COOK, E. D. Fescue grass and legumes for soil improvement and forage production at the Blackland Station. Tex. Agr. Expt. Sta. Prog. Rpt. 1543,3 p. Feb.6,1953. 100 T31P

42503 HILL, K. W., and DUBETZ, S. Fertilizer side-dressing studies on sugar beets in southern Alberta. Amer. Soc. Sugar Beet Technol. Proc. 7:207-211. 1952. 66.9 Am35

42504 HJELTNES, A. Magnesium fertilizing in horticulture. (In Norwegian.) Gartneryrket 43:26-27. Jan.10,1953. 80 G1938

42505 HOBIGER, S. Kalkarmut des Waldviertler bodens. Landwirtschaft 3/4:46-47. Feb.1953. 19 L235

42506 HOCH, L., and BERINGER, E. Was sagen uns die ERP-düngungsbeispiele auf grünland im jahre 1952? Allgäuer Bauernbl. 21:97-99. Feb.12,1953. 18 AL53

42507 HONDA, N. Studies on the phosphorus nutrition of yellow tobacco. I. (In Japanese.) Kyushu Noji Shikenjo 10:104-106. Sept.1952. 107.6 K996

42508 HORSTMANN. Stiefkinder der düngung. Deut. Landwirt.-Gesell. Mitt. 68:189-190. Feb.19,1953. 18 N39

42509 HUNTER, A. S. Oregon's fertilizer program for sugar beets and corn. Pacific Nowest. Fert. Conf. Proc. 2:88-92. 1951. 57.9 P11

42510 IRVIN, C. J., and THORNTON, J. K. Lime and fertilizer bring productivity to "abandoned" fields on deep soil. Pa. Agr. Expt. Sta. B. 540(sup.3):2-4. June 1952. 100 P381

42511 IVANOV, V. V. Role of low areas on steppes in developing windbreaks. (In Russian.) Bot. Zhur. 37: 665-671. Sept./Oct.1952. 451 R923
Chiefly on soils.

42512 JACKSON, T. L. The use of nitrogen fertilizer in eastern Washington. Pacific Nowest. Fert. Conf. Proc. 2:80-81. 1951. 57.9 P11

42513 JEURINK, J. Versuchsergebnisse aus dem niederländischen landbau. Landwirtbl. Weser-Ems 100: 111-112. Jan.29,1953. 18 L2345
Fertilizer tests.

42514 JOHNSON, J. E. Soil fertility problems. Pacific Nowest. Fert. Conf. Proc. 2:51-53. 1951. 57.9 P11

42515 JONES, H. E., and ORTH, L. E. The diagnostic approach in corn fertilizer demonstrations in Minnesota. Better Crops Plant Food 37(2):17-20,48-51. Feb.1953. 6 B46

42516 JORDAN, J. V., and LEWIS, G. C. Effect of salts on phosphorus availability. Victory Farm Forum 47:18. Feb,1953. 281.8 F226

42517 JØRGENSEN, E. Use of fertilizers in gardening. (In Danish.) Husmandshjemmet 3(5):5. Feb.3,1953. 11 H963
Vegetables.

42518 JORRITSMA, J. Suikerbiet en bodemstructuur. I. Algemeen overzicht. Sugarbeet and soil structure. I. General review. Inst. v. Ration. Suikerprod. Meded. 5: 263-301. Dec.1952. 66.9 B45
English summary.

42519 JUNKER, A. Praktische vorschläge zum lohnkalken. Dreschen u. Pflügen 8(2):7. Feb.15,1953. 58.8 D81

42520 KALINKEVICH, A. F. Application of fertilizers containing magnesium to legumes and grasses. (In Russian.) Sovet. Agron. 10(11):57-61. Nov.1952. 20 So84

42521 KAPP, L. C., and others. Response of evergreen sweet clover and cotton to phosphorus applications on Houston black clay. Soil Sci. 75:109-118. Ref. Feb. 1953. 56.8 So3
R. J. Hervey, J. R. Johnston, and J. C. Smith, joint authors.

42522 KARRAKER, P. E. Fertilizer needs and use in Kentucky. Victory Farm Forum 47:12-13. Feb.1953. 281.8 F226

42523 KAZ'MINA, N. A., and STREKOVA, V. M. Experiments in use of mineral fertilizers in growing seedlings of trees and shrubs. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:77-84. 1952. 451 M854

42524 KELLER, K. Es fehlen die rechten nährstoffe! R. der Landfrau 4:29. Jan.22,1953. 18 L2347
Fruit trees.

42525 KHITRYKH, G. M. Experiment in granulated fertilizer application on the state farms in Kuban. (In Russian.) Dostizhenifa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:50-52. Jan.1953. 20 D742
Effect on wheat chiefly.

42526 KICK. Nochmals: warum hochprozentige volldünger? Erwiderung zum aufsatz in Nr. 2 vom 10 Januar 1953. Württemb. Wchnbl. f. Landwirt. 120: 106-107. Jan.31,1953. 18 W96

42527 KIESSELBACH, T. A. How to build soil fertility. Nebr. Farmer 95(5):7,60-61. Mar.7,1953. 6 N27

42528 KIESSELBACH, T. A. Legume and manure rotations in the Western Corn Belt. Better Crops Plant Food 37(2):23-26,39-42. Feb.1953. 6 B46

42529 KILB, A. Les fumures intensives en Bourgogne. B. des Engrais 348:3-5. Jan.1953. 57.8 B87

42530 KILBY, W. W., SITTON, B. G., and LEWIS, W. A. Anhydrous ammonia a good source of nitrogen for tung. Amer. Tung News 4(2/3):6,8,19. Feb./Mar. 1953. 307.8 Am33

42531 KILBY, W. W., SITTON, B. G., and LEWIS, W. A. Anhydrous ammonia as a good source of nitrogen for tung. Miss. Agr. Expt. Sta. Inform. Sheet 477,2 p. Nov.1952. 100 M69In

42532 KING, A. Fertilizers for forage crops in Oregon. Pacific Nowest. Fert. Conf. Proc. 2:65-71. 1951. 57.9 P11

42533 KING, G. H. Fertilizer recommendations for Georgia's major crops. Victory Farm Forum 47:15. Feb.1953. 281.8 F226

42534 KINOSHITA, M., and HOSONO, H. Results of field experiments receiving no fertilizers for 57 years. 1. On the yields of rice and barley plants. (In Japanese.) Kyushu Noji Shikenjo 10:179. Sept.1952. 107.6 K996

42535 KLEIN, K. Die düngung, grundlage für erfolgreichen obstbau. Kärntner Bauer 102:646-648. Dec.20, 1952. 19 K14

42536 KLEMME, A. W. $1000 an acre pastures? Farm J. 77(3):37,92-93. Mar.1953. 6 F2212
Effect of nitrogen on pastures.

42537 KOCH, R. M. The story of lime; protection for our greatest national resource—the soil. Natl. Grange Mon. 50(3):22-23,33. Mar.1953. 6 N215

42538 KODANEV, I. M. Soil liming as a method of improving productivity [of field crops]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9: 37-40. Sept.1952. 20 D742

42539 KOFOED, A. D. Use of fertilizers in the approaching year. (In Danish.) Jydsk Landbr. 35:117-122. Feb.19,1953. 11 J99

42540 KONDO, I. N., and fÛSUPOV, KH. S. Grape culture under soil salinity conditions. (In Russian.) Vinodel. i Vinograd. SSSR. 12:10-13. Dec.1952. 95.8 V77

42541 KOSTfÛCHENKO, A. D., and PETROVA, L. I. Lime portions in the grass-field flax crop rotations. (In Russian.) Agrobiologiîa 6:73-79. Ref. Nov./Dec.1952. 20 Ag822

42542 KOVRIZHNYKH, D., and MIKHEEV, V. Sweet clover as green manure for spring wheat. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1: 80-82. Jan.1953. 20 D742

42543 KRAMER, G. Ist unser boden hinreichend mit humus versorgt? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:255-256. Feb.12,1953. 18 L2346

42544 KREICH, M. Was kostet volldünger gegenüber einzeldünger? Deut. Landwirt.-Gesell. Mitt. 68:62-63. Jan.15,1953. 18 N39

42545 KRIEBEL, M. Die technik der mineraldüngung. Deut. Landwirt.-Gesell. Mitt. 68:191-193. Feb.19,1953. 18 N39

42546 KROGH, VON. Bedeutung der bodenbedeckung. Praxis u. Forsch. 5:22-24. Feb.20,1953. 18 P89

42547 KUDRIN, S. Most important problems in the study of the effectiveness of fertilizing methods in cotton growing. (In Russian.) Khlopkovodstvo 11:21-29. Nov. 1952. 72.8 K522

42548 LANG, A. L. Rock phosphate; raw rock phosphate builds up long lasting soil fertility while its teammate, superphosphate, gives fast nourishment to the current crop. Farm Q. 8:40-43,110-113. Spring 1953. 6 F22995

42549 LARSON, W. E. Fertilizer studies with sugar beets in south central Montana. Amer. Soc. Sugar Beet Technol. Proc. 7:237-243. 1952. 66.9 Am35

42550 LATHROPE, H. R. Nitrogen top dressing of wheat in the pocket area in 20 questions. Purdue U. Agr. Ext. L. 351,4 p. Feb.1953. 275.29 In2L

42551 LAURENT, C. Soil and fertilizers for Chrysanthemum culture. (In Flemish.) Tuinbouwberichten 17: 11-12. Jan.15,1953. 80 T817

42552 LEBEDEV, B. A., and CHAZOVA, V. V. Effect of fertilizers on the newly reclaimed lands of Northern Ural. (In Russian.) Sovet. Agron. 10(11):84-86. Nov. 1952. 20 So84

42553 LEICHT, M. Was sagt der bauer zum volldünger? Deut. Landwirt.-Gesell. Mitt. 68:62. Jan.15,1953. 18 N39

42554 LESIRE, R. Essai de fumure; premiers résultats. Belgium. Min. des Colon. B. Agr. du Congo Belge 44:67-74. Feb.1953. 24 K83

42555 LETELIER A., E. Aspectos económicos de la aplicación de abonos al trigo. Simiente 22:93-99. Jan./June 1952. 9.3 Si4
Chile.

42556 LJONES, B. Fertilizers and fertilizing of fruit and berries. (In Norwegian.) Kolonihagen 23:23-26. Feb.1953. 80 K83

42557 LOEWEL, and WEISSENBORN. Hinweise für die mineralische düngung der obstbäume. Obstbauversring. Mitt. 7:214-215. Nov.1952. 85 J76

42558 LONG, O. H. Nitrogen, rainfall, spacing of plants, and corn yields. Victory Farm Forum 47:22-23. Feb.1953. 281.8 F226

42559 LUNDBLAD, K. The hay fields should be put into good shape; good advice on how to fertilize the hay fields. (In Swedish.) Lantmannen 37:193-195. Feb.28, 1953. 11 L234

42560 LYZIN, A. A. Experiment in application of granulated fertilizers on Chernozem soils of the South East. of U.S.S.R. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:47-50. Jan.1953. 20 D742
Effect on wheat and rye chiefly.

42561 MCCALL, W. W., and DAVIS, J. F. Foliar applications of plant nutrients to crops grown on organic soils. Mich. Agr. Expt. Sta. Q. B. 35:373-383. Ref. Feb. 1953. 100 M58S

42562 MCCOLLAM, M. E. The use of foliar analysis in plant nutrition problems. Pacific Nowest. Fert. Conf. Proc. 2:25-26. 1951. 57.9 P11

42563 MACHIGIN, B. P. New methods of fertilizer application to cotton. (In Russian.) Sovet. Agron. 10(12): 49-56. Dec.1952. 20 So84

42564 MCQUEEN, G. R. Effect of various nutrient levels of soil and foliar spray applications on sugar beet yields. Amer. Soc. Sugar Beet Technol. Proc. 7:46-49. 1952. 66.9 Am35

42565 MCVICKAR, M. H. A fertilizer primer. I. Fla. Grower 61(3):6. Mar.1953. 80 F6622

42566 MAGAEVA, A. D. Effect of nitrogenous fertilizers on improvement of natural meadows. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:78-80. Jan.1953. 20 D742

42567 MARIANO, F. S., and CABRILLAS, F. O. A progress report on the residual effect of commercial fertilizers and manure upon the yield of Buk-Tux corn following the tobacco crop. Philippines. Bur. Plant Indus. Plant Indus. Digest 16:17,16. Jan.1953. 25 P544P

42568 MARQUART, B. Wozu immer wieder das thema: einzeldünger gegen volldünger? Landwirtbl. Weser Ems 100:289-290. Mar.12,1953. 18 L2345

42569 MARSHALL, J. G., and STURGIS, M. B. Effects of sodium fertilizers on yields of cotton. Victory Farm Forum 47:4. Feb.1953. 281.8 F226

42570 MARSING, E. Q. Fertilizers, farming practices and rotation. Amer. Soc. Sugar Beet Technol. Proc. 7:212-213. 1952. 66.9 Am35

42571 MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Plant food recommendations for Maryland horticultural crops. Md. Agr. Col. Ext. Misc. Ext. P. 1,chart. Jan.1953. 275.29 M36Mis
Recommendations for horticultural and field crops.

42572 MATSUDA, M., and WADA, M. Ammonium absorption of paddy rice on the different kinds of soils. (In Japanese.) Kyushu Noji Shikenjo 10:90-91. Sept.1952. 107.6 K996

42573 MATSUO, H., and IDA, K. On the productive methods of soybeans. I. On fertilizer experiments. (In Japanese.) Kyushu Noji Shikenjo 10:97-98. Sept.1952. 107.6 K996

42574 MATTHEWS, E. M. Assure greater profits through fertilization for flue-cured tobacco. Victory Farm Forum 47:16-17. Feb.1953. 281.8 F226

42575 MENEZES, W. C. DE, and ARAUJO, W. A. DE Contribution to the improvement of acid and poor soils of the Sete Lagoas Experimental Station, Minas Gerais, for cotton culture. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(8):19-34. Aug.1952. 9.2 M663

42576 MIEGE, E. Considérations sur la fumure des terres et l'emploi des engrais. Inform. Marocaine 631: 1,3. (Cont.) Feb.14,1953. 281.8 In3

42577 MIEGE, E. La fumure potassique. Inform. Marocaine 633:1,7. (Concl.) Feb.28,1953. 281.8 In3

42578 MILETTO, G. Fertilizing fruit trees. (In Italian.) Frutticolt. Campana 2(12):1-2. Dec.27,1952. 80 F9474

42579 MODENA, A. Fertilize wheat. (In Italian.) Salento Agr. 4:1-2. Jan.1953. 281.8 Sa3

42580 MOHR, W. General considerations on the fertilization and correction of soils. (In Portuguese.) Rev. de Quim. Indus. 21(245):14-18. Sept.1952. 385 R324

42581 MORAES, J. M., and others. Contribution to the solution of the fertilizer problem in Brazil. (In Portuguese.) Rev. de Quim. Indus. 21(244):12-16. Ref. Aug.1952. 385 R324
T. Coury, E. Malavolta, G. Ranzani, and C. do Brasil, joint authors.

42582 MORAES, J. M., and others. Influence on the composition of the juice of sugarcane variety Co 290 of application to the soil of salt in the form of sodium chlorate. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:115-151. Ref. 1951. 102.5 P66A
J. R. Almeida, T. Coury, F. P. Gomes, O. Valsechi, G. Ranzani, and E. J. Kiehl, joint authors.

42583 MORGADO, M. L. The fertility of agricultural soil and compost. (In Portuguese.) Gaz. do Agr. 4:314-316. (Concl.) Dec.1952. 24 G25

42584 MULVEY, R. R., and BARBER, S. A. High level fertilization for corn. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers, Jan.29,1953:5-8. 275.29 In2Em

42585 MUNSELL, R. I. Bulk spreading of limestone. Conn. Agr. Col. Ext. Folder 65,4 p. Feb.1953. 275.29 C76Ex

42586 NATIONAL JOINT COMMITTEE ON FERTILIZER APPLICATION. Proceedings of the twenty-eighth annual meeting. Washington,1952. 156 p. 57.9 N216

42587 NEWBERG, W. A glimpse at the fertilizer research program of the food processing industry. Pacific Nowest. Fert. Conf. Proc. 2:54-56. 1951. 57.9 P11

42588 NIESCHLAG, F. Bodenfruchtbarkeit und grünlandnutzung. Praxis u. Forsch. 5:1-2. Jan.20,1953. 18 P89

42589 NORUM, E. B., and others. Phosphate puts the push in barley. N. Dak. Agr. Expt. Sta. Bimon. B. 15:108-111. Jan./Feb.1953. 100 N813B

R. Young, J. C. Zubriski, and L. E. Haley, joint authors.

42590 NORWOOD, T. J. Green manure for crops in market gardens. Grower [London] 39:383. Feb.21,1953. 286.83 M34

Great Britain.

42591 ØDELIEN, M. Is it necessary to fertilize with sulfur? (In Norwegian.) Samvirke 48:60-61. Feb.1,1953. 280.28 Sa4

42592 OGG, SIR W. Much more fertilizer must be used. Farmer & Stock-Breeder 67(3305):56-57. Feb.24, 1953. 10 F228

Increase in agricultural production in Great Britain with increased use of nitrogen, phosphate and potash.

42593 OINUMA, T. An artificial induced tetraploid soybean as green manure. (In Japanese.) Jap. J. Breeding 2:7-13. Ref. Oct.1952. 64.8 J27

English summary.

42594 OLAND, K. Leaf analysis and related methods for guidance in fertilizing. (In Norwegian.) Gartneryrket 43:83-86. Jan.31,1953. 80 G1938

42595 OLIVE, F. R. Prácticas de abonamiento del suelo para cultivos de campo. Cent. Nac. de Agron. C. Agr. 50,6 p.-folder. Jan.1952. 8 Sa54C

42596 OLIVEROS, S. B. Diagnosing the health status of the sugar cane. Sugar News [Manila] 29:12-13. Jan. 1953. 65.8 Su36

Foliar diagnosis.

42597 OLSON, L. C. Value of sodium as a plant food for cotton. Victory Farm Forum 47:7. Feb.1953. 281.8 F226

42598 ORSINI, G. The fertility of the soil is what man desires. (In Italian.) Agricoltore [Perugia] 10(2):2. Jan. 16/31,1953. 281.8 Ag822

42599 OVERCASH, J. P. Peach tree fertilizer experiments in Mississippi. Tenn. State Hort. Soc. Proc. 47:30-31. 1952. 81 T25

42600 OVESON, M. M. Nitrogen fertilization of wheat in non-irrigated areas of eastern Oregon. Pacific Nowest. Fert. Conf. Proc. 2:75-79. 1951. 57.9 P11

42601 PACIFIC NORTHWEST FERTILIZER CONFERENCE. Proceedings, second annual conference, Corvallis,Oregon, June 27, 28, 29, 1951. Portland?1951. 134 p. 57.9 P11

Sponsored by the Soil Improvement Committee, Pacific Northwest Plant Food Association and Colleges and Universities of the Pacific Northwest.

42602 PADEN, W. R. Better control through efficient use of fertilizers. Victory Farm Forum 47:19-20. Feb.1953. 281.8 F226

42603 PAGE, N. R. Minor elements increase the yield of cotton. Victory Farm Forum 47:10-11. Feb. 1953. 281.8 F226

42604 PAINTER, J. H. Fertilizer experiment on filberts. Nowest. Nut Bowl 4(3):3-4. Mar.1953. 94.68 N81

42605 PALMER, E. Science takes gamble out of gardening. Veldtrust 14(12):19-21. Dec.1952. 56.8 V54

Value of sound knowledge of soils.

42606 PAVEL, L. Humus in den ackerböden des landwirtschaftlichen schulgutes in Uhřineves. (In Czech.) Československ. Akad. Zeměděl. Sborn. 25:495-502. Ref. Dec.1952. 19.5 C332C

German summary.

42607 PAVLEK, V., and PAVLEK, P. Fertilizers as a factor of productive capacity of agriculture in the country around Zagreb. (In Serbo-Croatian.) Biljna Proizvodnja 5:200-224. Ref. Sept./Oct.1952. 64.8 B49

42608 PELISEK, J. Characteristics of soils of inundated forests in the Danube Shore Region of Slovakia. (In Czech.) Ceskoslov. Akad. Zeměděl. Sborn. 25:463-472. Dec.1952. 19.5 C332C

42609 PENDLETON, R. A. Fertility problems with sugar beets and related crops. Pacific Nowest. Fert. Conf. Proc. 2:86-87. 1951. 57.9 P11

42610 PFULB, K. Denkt schon jetzt an das grünland. Bad. Landwirt. Wchnbl. 120:106-108. Jan.31,1953. 18 B142

Fertilizing.

42611 PISHNAMAZOV, A. M. Influence of mineral fertilizers upon the crop of fodder beets and their planting time in Azerbaidzhan. (In Russian.) Kormovaia Baza 4:44-48. Jan.1953. 60.8 K84

42612 PORTER, J. A., ROOD, P. J., and LONGNECKER, E. D. Lime and its use. Mich. State Col. Agr. Ext. B. 314,36 p. June 1952. 275.29 M58B

42613 POWELL, T. The coming age of rocks. Org. Farmer 4(7):12-13,36. Feb.1953. 57.8 Or3

As fertilizer.

42614 POZZI, E. Localized fertilizing and methods for carrying it out. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7:62-70. Ref. Nov./Dec.1952. 58.9 C33

42615 PRATOLONGO, U. The ungrateful clays. (In Italian.) Gior. di Agr. 63:43. Feb.8,1953. 16 It1G

Italy.

42616 PREVOT, P. Les bases du diagnostic foliaire; application à l'arachide. Oléagineux 8:67-71. Feb.1953. 77.8 OL2

42617 PRICE, O. T. W. Changes in the physical productivity of arable land in England and Wales. Farm Econ. 7:108-116. 1952. 281.8 F223

42618 PRINCE, A. B. South Carolina corn, pastures need more nitrogen. Victory Farm Forum 47:14-15. Feb.1953. 281.8 F226

42619 QUIDET, P. La betterave; étude de la fumure potassique. Potasse 27(201):13-15. Jan.1953. 57.8 P84

Fertilizers.

42620 RAJAN, S. V. G., and RAO, B. V. V. Manures and fertilizers: their efficient and effective use for increased crop production. Mysore Agr. J. 28:77-91. Oct./Dec.1952. 22 M993

42621 RAPPE, G. Seasonal variations in some properties of arable soil. I. Variations in oat plant-producing capacity. Plant & Soil 4:197-222. Ref. Jan.1953. 450 P696

42622 RATNER, E. I. In regard to the rationalization of the system of plant nutrition. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noi Sistemy Zeml. 1:110-151. Ref. 1952. 33.31 Ak13

Fertilizers effect on field crops.

42623 RENIUS, W. Gründüngungs- und zwischenfruchtsaatgut, das billigste betriebsmittel. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:390-391. Mar.5, 1953. 18 L2346

42624 REYNOLDS, E. B., and ROBERTS, J. E. Effect of plowing under legumes and applications of nitrogen on yields of cotton and corn. Tex. Agr. Expt. Sta. Prog. Rpt. 1521,3 p. Dec.16,1952. 100 T31P

42625 REYNOLDS, E. B., and WOLTERS, F. A. Hairy vetch, Willamette vetch and Dixie Wonder peas as soil-improving crops for corn on Lufkin soil. Tex. Agr. Expt. Sta. Prog. Rpt. 1531,2 p. Jan.22,1953. 100 T31P

42626 RICHARDSON, T. C. Crops will grow if you feed them. Farmer-Stockman 56(3):20-21,84-85,95. Mar. 1953. 6 Ok45

42627 RICHER, A. C., and DRISKELL, B. N. Correlation of plant tissue tests of corn deficiency symptoms and soil analyses on the Jordan fertility plots. Pa. Agr. Expt. Sta. B. 560,5 p. Ref. Oct.1952. 100 P381

42628 RIETBERG, H. The influence of soil structure on the yield of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:150-152. 1952. 66.9 Am35

42629 ROBERTSON, W. K. Efficient utilization of fertilizer supplies. Victory Farm Forum 47:4-5. Feb. 1953. 281.8 F226

42630 ROCASOLANO, C. Como actúa la cal en los cultivos. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(198):20-21. Oct./Dec.1952. 8 R323

42631 ROHRBAUGH, P. W. Cleo roots salt resistant. Tex. Farming & Citricult. 29(9):5-6. Mar.1953. 80 T31

Cleopatra mandarin orange.

42632 ROTTMANN, G. Anwendung von kalkstickstoff im frühjahr. Hannoversche Land- u. Forstwirt. Ztg. 106:222-223. Feb.21,1953. 18 H194

42633 ROUSE, R. D. What's back of Alabama's fertilizer recommendations. Victory Farm Forum 47: 20-21. Feb.1953. 281.8 F226

42634 RUSSELL, E. W. Soils and fertilizers. Roy. Agr. Soc. Eng. J. 113:145-156. Ref. 1952. 10 R81

42635 SAHL, E. Humusversorgung für erfolg des kartoffelbaues entscheidend. Landwirtbl. Weser-Ems 100:81-83. Jan.22,1953. 18 L2345

42636 SAZHIN, A. I. Effect of fertilizers and watering on irrigated potato culture. (In Russian.) Sad i Ogorod 11:68-70. Nov.1952. 80 Sa13

42637 SCHEFFER, F. Mineraldüngung erzeugt humus und hebt die bodenfruchtbarkeit. Deut. Landwirt.-Gesell. Mitt. 68:181-183. Feb.19,1953. 18 N39

42638 SCHMALZ, W. Uberwindung von trockenperioden. Deut. Landwirt.-Gesell. Mitt. 68:254. Mar.12, 1953. 18 N39
Rye fertilizing.

42639 SCHMEHL, W. R., OLSEN, S. R., and GARDNER, R. Effect of type of phosphate material and method of application on phosphate uptake and yield of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:153-158. 1952. 66.9 Am35

42640 SCHMITT, L. Hundert jahre mineraldüngungeinfluss auf ertragsentwicklung und völkischen wohlstand. Deut. Landwirt.-Gesell. Mitt. 68:174-176. Feb.19,1953. 18 N39

42641 SCHRATT, H. Kalkung im weinbau. Landwirtschaft 3/4:49-50. Feb.1953. 19 L235

42642 SCHULE, R. Gedanken zür frühjahrsdüngung. Bad. Landwirt. Wchnbl. 120:248. Mar.14,1953. 18 B142

42643 SCHUPHAN, W. Qualitätsverbesserung der nahrungspflanzen durch harmonische volldüngung. Deut. Landwirt.-Gesell. Mitt. 68:186-189. Feb.19,1953. 18 N39

42644 SCIPIO, G. Tests of winter application of nitrate to wheat. (In Italian.) Avvenire Agr. 61:41-42. Feb.1953. 16 Av9
Italy.

42645 SEARLE, G. Intensive manuring for more milk, longer grazing. Mod. Poultry Keeping 68:151. Feb.11,1953. 47.8 Eg3

42646 SEIDLER. Erfahrungen mit dem lohnkalken. Dreschen u. Pflügen 8:4-5. Jan.15,1953. 58.8 D81

42647 SHEWELL-COOPER, W. E. Good fertility. Estate Mag. 53:69-71. Feb.1953. 10 Es8

42648 SILVESTRE, V. Philippine landscape; natural arts on the soil and what they mean to us. Plowman 9: 118-119. Oct./Nov.1952. 276.8 P72
Soil fertility.

42649 SKVORTSOV, V. F. Effectiveness of liming in relation to soil acidity. (In Russian.) Sovet. Agron. 11: 37-42. Jan.1953. 20 So84

42650 SLAWSON, H. H. Problems of soil fertility discussed at Chicago meeting of Middle West Soil Improvement Committee. Agr. Chem. 8(3):55-56. Mar. 1953. 381 Ag8

42651 SMITH, G. E. Soil fertility and corn production. Mo. Agr. Expt. Sta. B. 583,67 p. June 1952. 100 M693

42652 SMITH, O. E., and FISHER, F. L. Corn-green manure-fertilizer tests at Prairie View, 1950-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1528,4 p. Jan.13,1953. 100 T31P

42653 SOKOLOV, A. V. On developing methods for increasing the fertility of turfy-Podzolic soils. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noi Sistemy Zeml. 1:291-305. Ref. 1952. 33.31 Ak13

42654 SOMOZA, A. L. El suelo y su relación con los cultivos. Bolsa de Com. Rosario. Rev. 41(984/985): 13-15. Jan.31,1953. 287 R71

42655 SORENSEN, H. B., and ALLEY, L. S. Effect of different rates of nitrogen fertilizer on the shipping quality of greenwrap tomatoes. Tex. Agr. Expt. Sta. Prog. Rpt. 1522,3 p. Dec.19,1952. 100 T31P

42656 SOUSBIES, L. Résultats et commentaires de douze essais de fumure azotée du blé dans la Haute-Garonne en 1952. Terre d'Oc 35:5-13. Jan.1953. 14 Ar5

42657 SPANNAGEL, G. Grundlagen der bodenfruchtbarkeit. II. Die bedingungen der dauerhumusbildung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:251-252. Feb.12,1953. 18 L2346

42658 SPANNAGEL, G. Die grundlagen der bodenfruchtbarkeit. III. Die bodengare als ausdrucksform hoher ertragsfähigkeit. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:343-344. Feb.26,1953. 18 L2346

42659 STAROVOITOV, K. T. From the results of experiments in soil liming. (In Russian.) Sovet. Agron. 10(11):46-50. Nov.1952. 20 So84

42660 STEPHENSON, R. E. Orchard soil fertilization Pacific Nowest. Fert. Conf. Proc. 2:59-62. 1951. 57.9 P11

42661 STOLLER, B. B. Trace elements for mushroom culture. MGA Bulletin 39:78-85. Ref. Mar.1953. 80 M97

42662 STRØMME, E. Potassium fertilizing of greenhouse tomatoes on the basis of soil analysis; preliminary report on experiments carried out in 1952. (In Norwegian.) Gartneryrket 43:62-66. Jan.24,1953. 80 G1938

42663 TAIT, N. M. Aspects of growth promotion. 2. Maintaining soil fertility. Chem. & Drug. 159:168-169. Feb.14,1953. 396.8 C42

42664 TALLARICO, G. Sweetvetch and the organic matter in the soil of the South. (In Italian.) Humus 8(12): 7-9. Dec.1952. 16 H88

42665 TAYLOR, G. V. King Corn's friend. Natl. Joint Comt. Fert. Appl. Proc. 28:33-56. 1952. 57.9 N216
Fertilizer.

42666 TERMAN, G. L., and others. Rate, placement, and source of phosphorus fertilizers for potatoes in Maine. Maine. Agr. Expt. Sta. B. 506,24 p. Ref. Sept. 1952. 100 M28S
A. Hawkins, C. E. Cunningham, and P. N. Carpenter, joint authors.

42667 THIEDE, G. Mineraldünger: in der welt—und bei uns. Ubersicht 4:59-64. Jan.1953. 18 Ub3

42668 THORNE, D. W. The soil side of fruit growing. Wash. State Hort. Assoc. Proc. 48:41-46. 1952. 81 W273

42669 TILL, M. R. Cover crops for Barossa Valley orchards and vineyards. So. Austral. Dept. Agr. J. 56: 268-271. Jan.1953. 23 So84

42670 TIULIN, V. A. A system of fertilizers for plants in the grass-field crop rotations of Kammennaia Steppe. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noi Sistemy Zeml. 1:90-109. Ref. 1952. 33.31 Ak13

42671 TKALICH, S. M. Botanical methods in geological research. (In Russian.) Bot. Zhur. 37:660-664. Ref. Sept./Oct.1952. 451 R923
Indicator plants to show soil quality.

42672 TOKUNAGA, H. Relation between ammonium sulphate dressing and growth, yield, and natures of the paddy rice. (In Japanese.) Kyushu Noji Shikenjo 10:99-101. Sept.1952. 107.6 K996

42673 TOLMAN, B., GADDIE, R. S., and JOHNSON, R. C. A survey of soil organic matter levels and their relationship to nitrogen needs. Amer. Soc. Sugar Beet Technol. Proc. 7:196-200. 1952. 66.9 Am35

42674 TREMBLAY, F. T., and DERMANIS, P. Progress report on pasture fertilization trials, Western Washington Experiment Station—1951. Pacific Nowest. Fert. Conf. Proc. 2:72-74. 1951. 57.9 P11

42675 TSIVENKO, I. A. Effect of perennial grasses on increase in soil fertility. (In Russian.) Sovet. Agron. 10(11):37-40. Nov.1952. 20 So84

42676 TUMANOVSKII, S. N. Liming of acid soils in the non-Chernozem area of European U.S.S.R. (In Russian.) Dostizhenia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:16-19. Dec.1952. 20 D742

42677 ULRICH, A., and HILLS, F. J. Petiole sampling of sugar beet fields in relation to their nitrogen, phosphorus, potassium and sodium status. Amer. Soc. Sugar Beet Technol. Proc. 7:32-45. Ref. 1952. 66.9 Am35

42678 VENNER, K. 100 tons of dung and then fertilizer. Farmer & Stock-Breeder 67(3305):69,71. Feb. 24,1953. 10 F228
Application on a farm in England.

42679 VIETS, F. G. Peculiarities of eastern Washington soils and how to handle them. Wash. State Hort. Assoc. Proc. 48:112,114. 1952. 81 W273

42680 VIETS, F. G. Principles of foliar diagnosis and plant tissue analysis. Pacific Nowest. Fert. Conf. Proc. 2:30-32. 1951. 57.9 P11

42681 VIL'DFLUSH, R. T., and others. Effectiveness of granulated superphosphate in row fertilization on clayey soils of Belorussian SSR. (In Russian.) Sovet. Agron. 11:43-49. Jan.1953. 20 So84
A. M. Bragin, A. A. Kalikinskii, and G. IA. Korobova, joint authors.
Experiments with cereals chiefly.

42682 VLASIUK, P. A., and LISOVAL, P. Z. Effect of various forms of potassium and other types of fertilizers on yields of sugar beets and cotton under irrigation conditions in the South of Ukrainian SSR. (In Russian.) Sovet. Agron. 10(12):19-26. Dec.1952. 20 So84

42683 WACKER, H. Ein einblick in die weidenarbe. Praxis u. Forsch. 5:2-5. Jan.20,1953. 18 P89
Fertilizing.

42684 WADLEIGH, C. H., AYERS, A. D., and BOWER, C. A. Effect of saline and alkali soil on growth of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:50-53. 1952. 66.9 Am35

42685 WALSH, T. Phosphates—the key to good farming. Landmark, Feb.1953:5. 281.28 L23

42686 WALTER, F. Boden und klima. Deut. Landwirt.-Gesell. Mitt. 68:258,260. Mar.12,1953. 18 N39

42687 WASSON, R. A. How we are fertilizing corn in Louisiana. Victory Farm Forum 47:6. Feb.1953. 281.8 F226

42688 WHITELAW, R. Converting to rock fertilizers. Org. Farmer 4(7):20-21. Feb.1953. 57.8 Or3

42689 WILLARD, C. J. More corn from the same land by applications of nitrogen. Ohio Farm & Home Res. [Ohio Sta.] 38(280):4,12. Jan./Feb.1953. 100 Oh3S

42690 WILLIAMS, G. Fertilisers and farm production. Manx J. Agr. (n.s.)7(3):32-35. Jan.1953. 10 M312

42691 WISE, L. N. Legume seed yields increased by borax fertilization. Miss. Agr. Expt. Sta. Inform. Sheet 475,1 p. Oct.1952. 100 M69In

42692 WOLF, B. Hidden hunger may be starving your orchard. N. J. Farm & Gard. 24(3):22,24,26-28. Mar. 1953. 6 G162
Fertilization program.

42693 WOLF, D. C. Fertilize for the good years. Country Gent. 123(3):34,105-107. Mar.1953. 6 C833
Fertilizing corn.

42694 ZALIK, S. Leaf feeding fertilizers and 2,4-D. Alberta. U. Dept. Plant Sci. Seasonal Notes 38:11. Jan.3, 1953. 64.9 AL12
Effect of nutrient enriched 2,4-D on yield of cereals or flax grown in Canadian prairies.

Soil Tilth and Tillage

42695 ASLYNG, H. C. Tillage, fertilizer and loss of moisture of soil. (In Danish.) Dansk Landbr. 72:119-120. Mar.5,1953. 280.28 V91

42696 BALLU, T. Les labours et la fertilité. Tech. Agr. 65:6-9. Feb.1953. 58.8 T222

42697 BEHRENS, O. Behandeln wir den boden richtig? XIX. Die neue geometrie des pflügens. Tech. f. Bauern u. Gärt Ausg. A 5:25-27. Jan.25,1952. 58.8 T223
Includes discussion.

42698 COOK, R. L. Are your tillage methods up to date? Hoard's Dairyman 98:271,290. Mar.25,1953. 44.8 H65

42699 DAL'SKII, N. I., and SMIRNOV, B. M. New methods of primary soil tillage. (In Russian.) Sovet. Agron. 10(12):38-48. Dec.1952. 20 So84

42700 DO YOU really need to plow? Country Gent. 123(3):35,110-112,114-115. Mar.1953. 6 C833
Stubble mulch.

42701 FEUERLEIN. Wettpflügen—berufssport und forschungsmittel. Landbforsch. Völkenrode 3:12-13. Jan.1953. 18 L2353

42702 GEMEREN, P. VAN. Subsoiling in horticulture. (In Dutch.) Groenten en Fruit 8:566-567. Feb.5, 1953. 80 G89

42703 GNEDIN, S. I. Accelerated development of seeded meadows in the Far East by harrowing. (In Russian.) Kormovaia Baza 3(12):50-56. Dec.1952. 60 K84

42704 GOTLIN, J. Preparation of soil for planting sugar beet by the Decoux method. (In Serbo-Croatian.) Biljna Proizvodnja 5:263-267. Nov./Dec.1952. 64.8 B49

42705 HANSEN, E. LA C., and SØRENSEN, H. Deep plowing of land. (In Danish.) Jydsk Landbr. 35:43-45. Jan.15,1953. 11 J99

42706 HARLEY, C. P. Mulching with high-nitrogen hay—a dynamic process. Tenn. State Hort. Soc. Proc. 47:21-23. 1952. 81 T25
Apples.

42707 IVERSEN, K. Deep plowing of soil. (In Danish.) Jydsk Landbr. 35:115-116. Feb.19,1953. 11 J99

42708 KEIJZER, R. DE. Mulching with soil covers. (In Flemish.) Tuinbouwberichten 17:7-8. Jan.15,1953. 80 T817

42709 KUKOLEV, N. I., and MAKSIMOVA, A. IA. Deepening of arable layer of Chernozem soils in the grass-field crop rotation. (In Russian.) Sovet. Agron. 10(11):28-36. Nov.1952. 20 So84

42710 LAWS, W. D. Tillage tests on Texas blacklands. Soil Sci. 75:131-136. Feb.1953. 56.8 So3

42711 LEDESMA, A. F. DE, and LEDESMA, E. M. DE. The lesson of the drought; dry farming as an aid to increased beef production. Rev. River Plate 113 (3138):17-19. Feb.20,1953. 286.8 R32

42712 LYSAK, G. N. On the effectiveness of spring harrowing of winter rye under conditions of Bashkir Ural Area. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:22-24. Jan.1953. 20 D742

42713 MACCANTI, M. Tillage and localized fertilization in the fruit plantation. (In Italian.) Agr. Ferrarese 56:219-221. Oct.31,1952. 16 Ag87

42714 MEISNER, F. Fragen der bodenbearbeitung im frühjahr! Bad. Landwirt. Wchnbl. 120:198-199. Feb. 28,1953. 18 B142

42715 MEYER, R. Ratschläge zur frühjahrsbestellung. Bauern-Ztg. 6(7):6. Feb.20,1953. 18 B324
Germany.

42716 OER, A. FREIHERR VON. Gedanken zum entwurf eines bundesgesetzes über die bereitstellung von bauland. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 829-830. May 29,1952. 18 L2346

42717 PFRANG. Frühjahrsbestellung und sortenwahl 1953. Bad. Landwirt. Wchnbl. 120:180. Feb.21,1953. 18 B142
Grain.

42718 REINBOLD, M. D. We used the ground corn cob mulch. Amer. Rose Mag. 11(3):7. Mar.1953. 80 Am327A

42719 RID, H. Die richtige bodenbearbeitung zur rechten zeit. Landwirt. Wchnbl. 143:218-219. Feb.21, 1953. 18 L2338

42720 RITGEN, G., BUDDE, and VORWERK, F. Der nasse herbst und folgerungen für die bestellung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:391-393. Mar.5,1953. 18 L2346

42721 SCHULZE. Zur kommenden frühjahrsbestellung. Hannoversche Land- u. Forstwirt. Ztg. 106:189-190. Feb.14,1953. 18 H194

42722 SCHULZE. Zur kommenden frühjahrsbestellung. Landwirtbl. Weser-Ems 100:188-189. Feb.19,1953. 18 L2345

42723 SCHWANZ, H. L. Sod seedbeds for your crops. Country Gent. 123(3):96,98. Mar.1953. 6 C833
Chemical spray in seedbed preparation is cheaper than plowing and provides a protective mulch.

42724 SHAPOVAL, A. G. Deep plowing at 25-30 centimeters in the Chernozem and Chestnut soil districts. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:37-40. Nov.1952. 20 D742

42725 SHAPOVAL, A. G. Deepening the arable layer in districts of the non-black earth area. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9: 40-44. Sept.1952. 20 D742

42726 SPRAGUE, M. A. Chemicals replace tillage in renovating worn-out pastures. What's New Crops & Soils 5(6):23. Mar.1953. 6 W55
TCA and CMU.

42727 STOJANOVIC, M. B. A study on the question of time, implements and depth of plowing under the stubble. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:235-249. Ref. 1952. 106.6 B41
English summary.

Drainage, Irrigation, Water Supply, and Flood Control

42728 AKADEMIIA NAUK. INSTITUT FIZIOLOGII RASTENII IM. K. S. TIMIRIAZEVA. Oroshenie sel'skokhoziaistvennykh kul'tur v TSentral'no-Chernozemnoi polose, RSFSR. Sbornik rabot [Irrigation of agricultural crops in the Central-Chernozem area of RSFSR. Collection of works], v. 1. Moskva,1952. 175 p. 55 Ak1

42729 ALEKSANDROV, N. P., and KORIAGIN, A. N. In regard to a mobile system of [field crop] irrigation. (In Russian.) Sovet. Agron. 10(11):20-27. Nov.1952. 20 So84

42730 ALLEN, L. C. Having trouble with irrigation? 2. Prog. Farmer, Tex. Ed. 68(3):20,188. Mar.1953. 6 T311
When to irrigate.

42731 ALMLOF, E. Digging irrigation ditches with different kinds of equipment. (In Swedish.) Lantmannen 37:195-196. Feb.28,1953. 11 L234

42732 ALYSHEV, M., and LEGOSTAEV, A. Paving irrigation canals with cobblestones. (In Russian.) Khlopkovodstvo 11:44-53. Nov.1952. 72.8 K522

42733 AMATATSU, K., and others. Studies on the time of irrigation in the non-transplanting method of rice plant. II. (In Japanese.) Kyushu Noji Shikenjo 10:5-10. Sept.1952. 107.6 K996
H. Yamakawa, F. Hazuku, and M. Wada, joint authors. English summary.

42734 ARCHIBALD, D. B., and HADDOCK, J. L. Irrigation practice as it affects fertilizer requirement, quality and yield of sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7:229-236. 1952. 66.9 Am35

42735 ARGLES, G. K., and MONTGOMERY, H. B. S. Combating flood injury. Com. Grower 2982:355-357. Feb.19,1953. 80 F941

42736 ARGLES, G. K., and MONTGOMERY, H. B. S. Nursing flooded orchards back to health. Grower [London] 39:381-382. Feb.21,1953. 286.83 M34

42737 ASAKUMA, S. Influence of temperature of irrigated water upon the growth of paddy rice. (In Japanese.) Kyushu Noji Shikenjo 10:47-48. Sept.1952. 107.6 K996

42738 ASTAPOV, S. V. Irrigation of grain and technical crops under conditions of the Central Chernozem Area. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noi Sistemy Zeml. 1:217-234. 1952. 33.31 Ak13
Wheat and sugar beets chiefly.

42739 ASTAPOV, S. V., and SHISHKOV, K. N. Water regime of the soil during irrigation of spring wheat on typical and carbonate Chernozem soils. (In Russian.) In Akademiia Nauk. Institut Fiziologii Rastenii im. K. A. Timiriazeva. Oroshenie sel'skokhoziaistvennykh kul'tur, v.1,p.51-72. Ref. Moskva,1952. 55 Ak1

42740 BARBERO, G. The development of reclamation and irrigation in the United States. (In Italian.) Riv. di Econ. Agr. 7:507-516. July/Dec.1952. 281.8 R52

42741 BASHMAKOV, N. Mechanization of work on snow retention. (In Russian.) Kolkhoz. Proizvodstvo 13: 30-31. Jan.1953. 281.8 K83

42742 BEACHER, B. F. Don't gamble with water quality. Reclam. Era 39:56-58. Mar.1953. 156.84 R24
Quality required for irrigation.

42743 BECK, V. S. Land leveling puts water to work. Soil Conserv. 18:212-214. Apr.1953. 1.6 So3S

42744 BEZMENOV, A. I. On increasing the efficiency coefficient of the irrigation system. (In Russian.) Gidrotekh. i Melior. 4(11):36-44. Nov.1952. 290.8 G362

42745 BOEGLI, W. C. The miracle of the Rio Grande. Reclam. Era 39:59-62. Mar.1953. 156.84 R24
Development of irrigation facilities in the Rio Grande Valley.

42746 BONNEN, C. A., and others. Use of irrigation water on the High Plains. Tex. Agr. Expt. Sta. B. 756, 43 p. Dec.1952. 100 T31S
W. C. McArthur, A. C. Magee, and W. F. Hughes, joint authors.

42747 BOYNTON, F. W., and MACAULEY, J. W. Pipes of aluminum make irrigation practical and profitable. Farm Equip. Retailing 15(3):24,26. Mar.1953. 58.8 F2292

42748 BUGOSLAVSKII, V. M., and VEDENEEV, P. KH. Urgent problems of water supply and afforestation of Chernigov forest area. (In Russian.) Les i Step' 4(11): 52-54. Nov.1952. 99.8 L565

42749 BUGROV, S. V., and BIZIAEV, I. A. Reclamation of Asrakhan sands. (In Russian.) Lesn. Khoz. 5(8): 13-16. Aug.1952. 99.8 L5622

42750 BUTYRIN, M. Use of open water outlets to measure irrigation water. (In Russian.) Khlopkovodstvo 11:54-59. Nov.1952. 72.8 K522

42751 CALZECCHI-ONESTI, A. Small hill lakes in reality. (In Italian.) Gior. di Agr. 63:67-68. Mar.1, 1953. 16 It1G
Irrigation in Italy.

42752 CALZECCHI-ONESTI, A. Small lakes in hill country. (In Italian.) Gior. di Agr. 63:51. Feb.15,1953. 16 It1G
Irrigation in Italy.

42753 CAMPBELL, J. A. Studies show irrigation pays with vegetable crops. Miss. Farm Res. [Miss. Sta.] 16(3):2. Mar.1953. 100 M69Mi

42754 CASTANIE, H. Barrages et périmètres irrigables du Haut-Cheliff. Rev. Internatl. des Prod. Colon. 28:38-40. Feb.1953. 286.8 R326

42755 CLYDE, G. D., and PEARSON, G. L. White gold. Soil Conserv. 18:202-203,206-207,215. Apr.1953. 1.6 So3S
Snow surveys in the Western States.

42756 COLLIER, C. P. Irrigation tests in Alabama. Ala. Farmer 32(4):5,14. Jan.1953. 276.8 AL1

42757 DARAGON, J. Commentaires sur l'arrêté du 12 mai 1952 relatif au minimum de consommation dans le périmètre d'irrigation de Sidi-Slimane. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 18:3353-3354. Aug.1952. 24 C352

42758 DELOYE, M. Les principales causes d'échec dans l'irrigation des plantes annuelles et de grande culture. Rev. Agr. de l'Afrique du Nord 51:90-94,114-118. Jan.23-30,1953. 80 R326

42759 DEMAY, J. L'irrigation de la betterave industrielle dans le Sud-Est de la France. Sucr. Franç. 94:30-41. Feb.1953. 65.8 J82
With an introduction by J. Achard.

42760 DENKS. Die kleine wasserwirtschaft. Deut. Landwirt.-Gesell. Mitt. 68:212-213. Feb.26,1953. 18 N39
Drainage and irrigation.

42761 DICKERSON, R., GRISSOM, P., and RANEY, W. A. Information on selection and use of equipment for irrigation in Mississippi. Miss. Farm Res. [Miss. Sta.] 16(3):1,3-4,8. Mar.1953. 100 M69Mi

42762 DICKERSON, R. L., and O'KELLY, J. F. Adaptation of cotton varieties for irrigation. Miss. Agr. Expt. Sta. Inform. Sheet 479,1 p. Jan.1953. 100 M69In

42763 DIEBOLD, C. H. Simple soil test tells when to irrigate. What's New Crops & Soils 5(6):14-15. Mar. 1953. 6 W55

42764 DIEBOLDER. Zur hydrotechnik im gartenbau. Tech. f. Bauern u. Gärt Ausg. G 5:36-37. Jan.25,1953. 58.8 T223G

42765 DOMBRE, E. Unterhaltung der wasserläufe eine notwendigkeit. Landwirtbl. Weser-Ems 100:87. Jan.22,1953. 18 L2345

42766 DONNAN, W. W., and BRADSHAW, G. B. Drainage investigation methods for irrigated areas in western United States. U. S. D. A. Tech. B. 1065,45 p. Ref. Sept.1952. 1 Ag84Te

42767 DRAKE, J. M. A dream come true on Oklahoma Plains. Sowest. Crop & Stock 7(2):13,60-61,65. Feb.1953. 6 So8942
Irrigation water and the W. C. Austin Irrigation Project.

42768 DREGNE, H. E., and MAKER, H. J. The quality of some irrigation waters in New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1076,13 p. Jan.1953. 100 N465

42769 DROZDOV, G. N. Irrigation methods and control of water-logging. (In Russian.) Sad i Ogorod 12:55-58. Dec.1952. 80 Sa13

42770 ELAGIN, I. N. Snow retention—a method of the leading agricultural technique. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta Sel'sk. Khoz. 1:15-21. Jan.1953. 20 D742

42771 ELAM, F. L. Corral that waste water! West. Livestock J. 31(16):56-57,77-78. Mar.1,1953. 6 F2278
Impounding waste water for pasture irrigation and recirculation systems.

42772 ELAM, F. L. 2 HP pump irrigates 40 acres. Elect. Farm Mag. 26(3):6-7. Mar.1953. 335.8 EL27

42773 ELEAZER, J. M. Uncertain water supply cramps our productive potential. Victory Farm Forum 47:17-18. Feb.1953. 281.8 F226

42774 ENDRISS, G. Die künstliche bewässerung des schwarzwaldes und der angrenzenden gebiete. Freiburg. Natforsch. Gesell. Ber. 42:77-113. Ref. 1952. 509 F88B

42775 FERNANDEZ DE LARA, G. A. Como distribuir el agua de riego. Tierra [México] 8:26-27,56. Jan.1953. 8 T445

42776 FLANAGAN, J. E., and MOLINA V., J. Requisitos de riego para El Salvador. Cent. Nac. de Agron. B. Tec. 11,21 p. May 1952. 8 Sa54B

42777 FOKEEV, P. M. Grain crops under irrigation. (Practices of the scientific institutions in the South-East). (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:29-33. Oct.1952. 20 D742
Wheat chiefly.

42778 FRANCE. MINISTERE DE L'AGRICULTURE. SERV. DU GENIE RURAL. Aménagement agricole de la plaine de Donzère-Mondragon. Avignon,1952. map. 290 F844
Drainage, irrigation, and consolidation of holdings.

42779 FRIEDMAN, A. R. Sprinklers. Farm Equip. Retailing 15(3):28. Mar.1953. 58.8 F2292

42780 FRIGGENS, P. The battle of the Blue [Valley, Kansas]. Farm J. 77(4):51,181-182. Apr.1953. 6 F2212
Use of big dams in flood control vs. reservoirs and watershed programs.

42781 FUHRIMAN, W. U., BLANCH, G. T., and STEWART, C. E. An economic analysis of the agricultural potentials of the Weber Basin Reclamation Project, Utah. Utah. Agr. Expt. Sta. Spec. Rpt. 7,39 p. Dec.1952. 100 Ut1Sp

42782 GAUL: Wasserwiesen—aber nur bei vernünftigen wassergaben. Bad. Landwirt. Wchnbl. 120:260. Mar. 14,1953. 18 B142

42783 GREAT PLAINS COUNCIL. Reducing adverse effects of reservoirs. Kans. Agr. Expt. Sta. C. 293,29 p. Oct.1952. 100 K13S

42784 GRIFFITHS, J. A. The history and organization of surface drainage in Manitoba. Engin. J. 36:101-108. Feb.1953. 290.9 En3

42785 GUALDANA, G. C. DI. Overhead irrigation at Affia and Cavaion (Verona)—story of a visit. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7:58-60. Sept./Oct.1952. 58.9 C33

42786 GUSEINOV, G. M. On introducing the new system of irrigation. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:86-87. Nov.1952. 20 D742

42787 HAGAN, R. M. Know how to water. USGA J. & Turf Mangt. 5(7):26-30. Feb.1953. 60.18 Un32
Tests on turf irrigation at Davis, Calif.

42788 HAMMAN, A. J. Measuring irrigation water on the farm. Colo. Agr. Col. Ext. C. 172-A,11 p. May 1952. 275.29 C71C

42789 HARGRAVE, H. J. Ranching was never like this; soil, water, grass and sunshine combined in the right proportions can produce fabulous amounts of feed for livestock. Country Guide 72(3):10,94. Mar.1953. 7 G76
Pasture irrigation.

42790 HELLINGA, F. Is improvement of water control possible? (In Dutch.) Ons Friese Platteland 6(272): 3. May 21,1952. 12 On72

42791 HERWEIJER, S. La réparation des dommages à l'agriculture dans les régions dévastées. (In Dutch.) Econ.-Statis. Ber. 38:169-173. Mar.4,1953. 280.8 Ec722
French summary, p. 164.
Floods in the Netherlands.

42792 IANOVSKII, D. M. A new snowplow. (In Russian.) Sovet. Agron. 11:81-83. Jan.1953. 20 So84
Used in snow retention.

42793 IDAHO. DEPT. OF RECLAMATION. Seventeenth biennial report, 1951—1952. Boise,1952. 131 p. 292.9 Id1

42794 JACOB, W. C., and others. The influence of irrigation on the yield and quality of potatoes on Long Island. Amer. Potato J. 29:292-296. Dec.1952. 75.8 P842
M. B. Russell, A. Klute, G. Levine, and R. Grossman, joint authors.

42795 JARRETT, G. Draining two thousand acres of Somerset. Power Farmer 10(2):55-56. Feb.1953. 58.8 P872

42796 JENSEN, C. W. The economics of pasture integration on irrigated farms. Mont. Agr. Expt. Sta. Mimeog. C. 67,96 p. Ref. July 1952. 100 M76M

42797 JOHNSTON, C. N. Sprinkler systems for irrigation. Calif. Farm Bur. Mon. 34(3):7,17. Mar.1953. 275.293 California

42798 KANARDOV, I. P., and SUKHORUCHKIN, G. A. A watering pipe-line from canvas [for grain irrigation]. (In Russian.) Gidrotekh. i Melior. 4(11):30-35. Nov.1952. 290.8 G362

42799 KANNENBERG, H. Odlandkultivierung? Deut. Landwirt. Presse 76:17-18. Jan.24,1953. 18 D482

42800 KARPOV, I. The great projects of communism and development of irrigated agriculture. (In Russian.) Kolkhoz. Proizvodstvo 12(11):15-17. Nov.1952. 281.8 K83

42801 KIZIMA, P. N. Effect of irrigation and fertilizers on the quality of the spring wheat crop. (In Russian.) Sovet. Agron. 10(12):27-33. Dec.1952. 20 So84

42802 KLIMOVSKII, P. Preplanting irrigation of cotton in the Ukraine. (In Russian.) Khlopkovodstvo 11: 30-34. Nov.1952. 72.8 K522

42803 KOBAYASHI, T., OGATA, T., and YOSHIDA, Y. Studies on the irrigation effects in field from the soil scientific standpoint. (In Japanese.) Kyushu Noji Shikenjo 10:25-28. Sept.1952. 107.6 K996

42804 KOSHKIN, N. A. Implementing directive of the XIX party congress for reclamation and appropriation of the Baraba swamps. (In Russian.) Kormovaia Baza 3(11): 13-16. Nov.1952. 60.8 K84

42805 KOSTIAKOV, A. Melioration problems in the Five-Year Plan. (In Russian.) 23(11):16-27. Nov.1952. 281.8 So73
Drainage and irrigation chiefly.
Similar title in Akad. Nauk. SSSR. Vest. 22(11):52-64. Nov.1952. 511 Ak14V

42806 KRIVONOSOV, I. M. Drainage of slightly permeable clayey soils. (In Russian.) Gidrotekh. i Melior. 4(10):66-77. Oct.1952. 290.8 G362

42807 KRUZHILIN, A. S. Biological role of irrigation for moisture storage. (In Russian.) Sovet. Agron. 10(12):16-18. Dec.1952. 20 So84

42808 KUVSHINOV, I. Problems of irrigated agriculture in the Fifth Five-Year Plan. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(12):3-12. Dec.1952. 281.8 So73

42809 LANDESS, W. M. The Landesses go on a diet. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68(3):28,189. Mar. 1953. 6 P945K
Garden drainage with drain tile.

42810 LARIN, I. V. Reconstruction of forage base in the semidesert between the Volga and the Ural. (In Russian.) Kormovaia Baza 3(10):8-13. Oct.1952. 60.8 K84
Irrigation.

42811 LARUE, P. Irrigation des agrumes. Feuilles Agr. 10:399-410. Oct./Dec.1952. 24 F43

42812 LEON B., A. El regadio en Chile y su solución integral. Simiente 22:151-156. Jan./June 1952. 9.3 Si4

42813 LIEDER, H. Sprinkler irrigation: pumping equipment. Farm Equip. Retailing 15(3):22-23. Mar. 1953. 58.8 F2292

42814 LYON, A. V. Soil moisture trend in irrigation frequencies for citrus in new settlements on Murray River soils. Citrus News 27:167,177. Dec.1952. 80 C494

42815 MACDONALD, M. Curbing the floods; in the upper Thames Valley in western Ontario the Fanshawe dam and its associated enterprises should save much farm land. Family Herald & Wk. Star 84(6):3,13. Feb.5, 1953. 7 F21

42816 MARTELLI, G. Privately sponsored heath reclamation in Suffolk. (In Italian.) Humus 9:22-23. Jan.1953. 16 H88

42817 MAYEUX, M. M. Does it pay to water growing crops? Prog. Farmer, Miss.-Ark.-La. Ed. 68(3):21,180. Mar.1953. 6 So81

42818 MEISNER, F. Geschlossener anbau mit beregnung. Bad. Landwirt. Wchnbl. 120:156. Feb.14, 1953. 18 B142
Tobacco culture.

42819 MERENDI, A. Apulian table-land. (In Italian.) Italia Agr. 90:45-58. Jan.1953. 16 It1
Reclamation problems.

42820 METLUSHKO, A. Drainage of marshes and their utilization. (In Russian.) Kolkhoz. Proizvodstvo 13:46-47. Jan.1953. 281.8 K83

42821 MILLER, M. D. The ABC's of irrigated pastures. Reclam. Era 39:49-50. Mar.1953. 156.84 R24

42822 MILLER, M. D., and HAGAN, R. M. The water penetration problem—an important one in California. Calif. Farm Bur. Mon. 34(3):8,13. Mar.1953. 275.293 California

42823 MISSION FRANÇAISE D'OUTRE-MER. L'utilisation et le contrôle des eaux aux Etats-Unis. France. Dir. de l'Agr., de l'Elevage et des Forêts. Sect. Tech. d'Agr. Trop. B. Sci. 4,190 p. May 1952. 26 F84Bs
An E.C.A. mission.

42824 MORAN, W. T., and SHAW, J. M. Low-cost linings for irrigation canals. What's New Crops & Soils 5(6):16-17. Mar.1953. 6 W55

42825 MORRISON, S. R. Rice irrigation tests at the Beaumont Station, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1542,2 p. Feb.5,1953. 100 T31P

42826 MUELLER, R. C. Sprinkler irrigation, a good water-mark for new profit dollars. Farm Equip. Retailing 15(3):20-22. Mar.1953. 58.8 F2292

42827 NAGLE, A. Irrigated pastures. Queensland. Bur. Invest. Annu. Rpt. 8:33-37. 1952. 282.1992 Q3

42828 NAKATOSE, K., and KONO, Y. Results of irrigation experiments in the upland field. (In Japanese.) Kyushu Noji Shikenjo 10:128-130. Sept.1952. 107.6 K996

42829 NELSON, L. B. How to irrigate corn. Farm J. 77(4):45. Apr.1953. 6 F2212

42830 NEWMAN, W. Sprinkler irrigation: fittings. Farm Equip. Retailing 15(3):26,28. Mar.1953. 58.8 F2292

42831 NICHOLSON, H. H., and FIRTH, D. H. The effect of ground water-level on the performance and yield of some common crops. J. Agr. Sci. 43:95-104. Jan.1953. 10 J822

42832 NICHOLSON, H. H. Field drainage work at Cambridge 1930-52. Cambridge U. Sch. Agr. Mem. 24: 5-7. Ref. Jan.1953. 103 C14M

42833 OBRUCHEV, V. A. Transformation of Kara-Kumy Desert. (In Russian.) Priroda 41(11):27-38. Nov. 1952. 410 P933
Principal Turkmenian Canal.

42834 OLIVA, A. Alarm of the Po River bank residents. (In Italian.) Humus 9:8. Jan.1953. 16 H88
Flood control.

42835 OPPENHEIMER, H. R. Les méthodes de contrôle de l'irrigation. Fruits et Primeurs de l'Afrique du Nord 22:437-438. Nov.1952. 80 F9482
Reported by H. Rebour.

42836 ORATOVSKII, M. T. Importance of Southern-Ukrainian Canal for the development of fruit culture. (In Russian.) Sovet. Agron. 10(11):62-68. Nov.1952. 20 So84

42837 PATTERMANN, K. Bastler bauen eine gartenwasser-versorgung. Unser Wegweiser im Obstbau, Gart. Kleintierhof 8:8-9. (Cont.) Jan.1953. 18 Un7

42838 PEIKERT, F. W. Should you irrigate in '53? New Eng. Homestead 126(5):8-9,18. Mar.14,1953. 6 N442
Sprinkler irrigation and cost.

42839 PEREZ FLORES, F. El riego con agua del subsuelo. Almanaque Agropecuario del Perú 1:157,159-160. 1953. 9.8 AL6

42840 PETINOV, N. S. Problems and results of the work of the brigade of plant physiologists on [wheat] irrigation in Kursk Region in 1949. (In Russian.) In Akademiîa Nauk. Institut Fiziologii Rasteniĭ im. K. A. Timiriîazeva. Oroshenie sel'skokhoziîaĭstvennykh kul'tur, v.1,p.73-77. Moskva,1952. 55 Ak1

42841 PHIPPEN, L. From wilderness to dairyland. Kraftsman, Prod. Ed. 2:14. Spring 1953. 44.8 K85
Irrigation in Idaho.

42842 PONTOPPIDAN, H. C. Irrigation experiments in fibre flax. (In Danish.) Lin 6:142-143. Dec.1952. 73.18 L63
English summary.

42843 PREOBRAZHENSKAIÀ, M. V. Distribution of water in the root-inhabiting layer of the soil during furrow irrigation under conditions of the Central-Chernozem Area. (In Russian.) In Akademiîa Nauk. Institut Fiziologii Rasteniĭ im. K. A. Timiriîazeva. Oroshenie sel'skokhoziîaĭstvennykh kul'tur, v.1,p.39-50. Ref. Moskva,1952. 55 Ak1

42844 PUERTO RICO WATER RESOURCES AUTHORITY. Eleventh annual report, fiscal year 1951-52. San Juan,1952. 64 p. 292.9 P96
Includes irrigation.

42845 QUEENSLAND. BUR. OF INVESTIGATION. Eighth annual report for the year 1951. Brisbane,1952. 63 p. 282.1992 Q3
Chiefly irrigation research.

42846 QUENEMOEN, M. E. Economic aspects of water spreader developments on southeastern Montana ranches. Mont. Agr. Expt. Sta. Mimeog. C. 69,89 p. Ref. Dec.1952. 100 M76M

42847 RAJAN, R. D. The Tungabhadra irrigation and power scheme. Engineering 175:161-163. Feb.6,1953. 290.8 En322
India.

42848 RAMSAUER, B. Meliorationen und grundwasserstand. Bauer 6(2):2-3. Jan.10,1953. 19 B32
Austria.

42849 REBOUR, H. Infiltration of ditches and losses of water in irrigation. (In Italian.) Italia Agr. 90:58-60. Jan.1953. 16 It1

42850 REPORT shows how crops respond to irrigation in Experiment Station tests. Miss. Farm Res. [Miss. Sta.] 16(3):1,5-6. Mar.1953. 100 M69Mi

42851 ROSTOVTSEV, M. I. Transforming the nature of Soviet Estonia. (In Russian.) Priroda 41(10):35-44. Oct.1952. 410 P933
Chiefly drainage and reclamation of marshland.

42852 RUBEY, H. Supplemental irrigation for Missouri and regions of similar rainfall. Mo. Engin. Expt. Sta. B. 33,ed.3,rev.,73 p. Feb.15,1953. 290.9 M69

42853 RYMAR', P. In regard to some results of introducing money payments for irrigation water. (In Russian.) Sotsialsit. Sel'sk. Khoz. 23(12):53-59. Dec. 1952. 281.8 So73

42854 SAPIR, P. The development of Israel. Israel & Middle East 4:61-66. Dec.1952. 286.8 P172
Irrigation and agricultural development.

42855 SATO, S., and FUNAHASHI, Y. The annual course of the depth of ground-water at Hainuzuka. (In Japanese.) Kyushu Noji Shikenjo 10:131-132. Sept.1952. 107.6 K996

42856 SHAUMIAN, V. A. Controlling the filtration of water from [irrigation] canals. (In Russian.) Priroda 41 (10):25-30. Oct.1952. 410 P933

42857 SHAW, C. Green grow the deserts. Co-op. News & Digest 33:10-11. Jan.1,1953. 280.28 C7886
Australia.

42858 SHESTAKOV, V. Snow retention—method of the leading agricultural technique. (In Russian.) Kolkhoz. Proizvodstvo 12(12):22-23. Dec.1952. 281.8 K83

42859 SHUMAKOVA, K. P. Rice culture during periodic irrigation in the irrigation area of the Volga-Don Canal. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:73-76. Sept.1952. 20 D742

42860 SHUTKIN, G. L. On methods of planning the temporary irrigation system. (In Russian.) Gidrotekh. i Melior. 4(11):13-22. Nov.1952. 290.8 G362

42861 SMALL, C. J. Flood damage to Netherlands agriculture. Overseas Rpt. Agr. Devlpmt. 7,5 p. Mar.1953. 281.9 C1642O

42862 SMALL, C. J. The floods and the farmer. Foreign Trade 13(322):10-13. Feb.28,1953. 286.8 C162
Netherlands.

42863 SMIRNOV, G. S. On snow retention. (In Russian.) Sovet. Agron. 11:80-81. Jan.1953. 20 So84

42864 SMITH, C. S. A fight against the sea and the salt. Farmers Wk. [London] 38(8):60-61. Feb.20,1953. 10 F2226
G. C. Johnson, N. H. Pizer, and C. V. Dadd answer questions raised by the author on problem of freeing the land from salt.

42865 SMITH, L. It's surprising what a drain will do. Grower [London] 39:325. Feb.14,1953. 286.83 M34

42866 SWAAN, L. DE. How the "wild wolf" was tamed; drainage of the Haarlem Sea. (In Afrikaans.) Landbouweekblad 34(1750):18-19,22. Jan.28,1953. 24 L232

42867 SWEET, F. Pasture irrigation, Tennessee. What's New Crops & Soils 5(6):21-22. Mar.1953. 6 W55

42868 TALBERT, T. J. Supplementary irrigation of horticultural crops. Tenn. State Hort. Soc. Proc. 47: 14-15. 1952. 81 T25

42869 TRIZNO, S. I. Drainage of Polesye marshes. (In Russian.) Priroda 41(10):57. Oct.1952. 410 P933

42870 TUKALOVA, E. I. On accumulation of root residues by perennial grass and legume mixtures during irrigation. (In Russian.) Sovet. Agron. 10(11):41-45. Nov.1952. 20 So84

42871 UBALDI, L. Artificial lakes for irrigation. (In Italian.) Agr. Tosc. 7:410. Dec.1952. 16 Ag827

42872 UNION OF SOUTH AFRICA. DIRECTOR OF IRRIGATION. Report for the period 1st April, 1949, to 31st March, 1950. Pretoria,1952. 29 p. 55.9 So842

42873 U. S. DEPT. OF THE INTERIOR. Years of progress 1945-1952. Washington,1953. 195 p. 156.1 Y3
Includes reclamation and public land management.

42874 VARTANIAN, G. V. New methods of measuring water horizons in [irrigation] canals and distant transmission of these readings. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:68-73. Sept.1952. 20 D742

42875 VASIL'EVA, I. A. How to retain the spring thawing waters on plots under forest plantings. (In Russian.) Les i Step' 4(10):86-88. Oct.1952. 99.8 L565

42876 VEIHMEYER, F. J. Eliminating excessive waste of water is prime requisite of California agriculture. Calif. Farm Bur. Mon. 34(3):9,19. Mar.1953. 275.293 California

42877 VERHOEVEN, B. The results of flooding with sea water. (In Dutch.) Nieuwe Veldbode 19:415. Feb.19, 1953. 12 V542N
Netherlands.

42878 WILLITS, N. A. Pasture irrigation, New Jersey. What's New Crops & Soils 5(6):20. Mar.1953. 6 W55

42879 ZAGORODNEV, S. F. Pre-planting irrigation and watering [of field crops] under conditions of the steppe zone. (In Russian.) Gidrotekh. i Melior. 4(11):23-29. Nov.1952. 290.8 G362

42880 ZAMARIN, E. A. The great projects of communism and development of new irrigation technique. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(12):3-10. 1952. 20 Ak1

Erosion and Erosion Control

42881 BASU, J. K., and PURANIK, N. B. Characteristics of the river valley erosion as a major factor in soil conservation planning. J. Soil & Water Conserv. India. 1: 11-15. Oct.1952. 56.8 J824

42882 BLAKE, N. A. Soil conservation measures on the foreshores of Burrendong Dam. N. S. Wales Soil Conserv. Serv. J. 9:38-44. Jan.1953. 56.9 N472

42883 BODDY, H. A district comes to Butte Valley. Soil Conserv. 18:208,210. Apr.1953. 1.6 So3S
Soil conservation district.

42884 BROMFIELD, L. The task before us. Audubon Mag. 55:20-22. Jan./Feb.1953. 413.8 B53
Soil conservation.

42885 BROWN, L. N. Westside dust test plots; third year of trials in Fresno, Kings, Kern Counties to find effective plants for dust control program. Calif. Agr. [Calif. Sta.] 7(2):7. Feb.1953. 100 C12Cag

42886 BUCKLEY, K. S. Pasture research for soil conservation at Wagga Research Station. N. S. Wales. Soil Conserv. Serv. J. 9:12-18. Jan.1953. 56.9 N472

42887 BURVILL, G. H. Soil conservation service basis of co-operation with, and assistance to farmers and landholders. West. Austral. Dept. Agr. J. (ser.3)1:797, 799. Nov./Dec.1952. 23 W52J

42888 CHOHLIS, J. Lesson in conservation—northern Californians investigate cooperative land improvement plan. West. Livestock J. 31(5):95,98. Jan.1953. 6 F2278

42889 CONSIGLIO NAZIONALE DELLE RICERCHE. Convegno sulla Difesa del Suolo e le Sistemazioni Fluviali e Montane Milano, 16-19 aprile 1952 [Conference on Soil Protection and River and Mountain Development, Milan, April 16-19, 1952]. Ricerca Sci. 22(4,sup.A),316 p. 1952. 475 It1

42890 DAVIS, J. Ridge farming shows advantage in erosion control—production; contour listing is known to prevent soil erosion, but it results in smaller yields. Newly introduced ridge farming appears to offer promise of both. Iowa Agr. 51(5):12,19. Jan.1953. 6 Io9

42891 DUQUE J. P. Prácticas de defensa y conservación de suelos. Lamatepec (ser.2)16:3499-3502. (Cont.) Nov.1952. 8 L16

42892 EAMES, H. F. Three remarkable years; the dramatic story of what happened in a Pennsylvania county when all major forces teamed together in spirited support of a soil conservation district. Soil Conserv. 18: 171-179,187-188. Mar.1953. 1.6 So3S

42893 GARRETT, E. B. Soil and water conservation program for North Carolina. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.153-156. Raleigh,1952. 279.9 C7633

42894 GISCARD, R. La lutte contre la désertification par les plantes. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 18:3541,3543. Dec.1952. 24 C352

42895 GUILLOTEAU, J. Le Bureau Interafricain d'Information sur la Conservation et l'Utilisation des Sols. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:564-570. Nov./Dec.1952. 26 R323

42896 HEDLIN, R. A. Erosion, fertilizers and fertility. Country Guide 72(3):11,55. Mar.1953. 7 G76
Conserving and maintaining soil fertility.

42897 ITALY. CONSIGLIO NAZIONALE DELLE RICERCHE. Convegno sulla difesa del suolo e le sistemazioni fluvioli e montane, Milano, 16-19 Aprile 1952. Ricerca Sci. 22 (4,sup.A),316 p. 1952. 475 It1

42898 JACKSON, N. New Mexico's Pecos Valley learns production efficiency. Sowest. Crop & Stock 7(3): 13,97-98. Mar.1953. 6 So8942
Water conservation and soil management.

42899 KELLOGG, C. E. The soil conservation job: the public's responsibility. Washington,U. S. Soil Conserv. Serv., 1953. 22 p. 1.965 S6K29
Address before the Farm Forum, Minneapolis, Mar. 17, 1953.

42900 KOSOV, B. F. Control of erosion—problem of state importance. (In Russian.) Les i Step' 4(11):48-52. Nov.1952. 99.8 L565

42901 LOPEZ LANGUE, F. Contribución al estudio del problema de la erosión en la comuna de Los Sauces, provincia de Malleco. Simiente 22:157-163. Jan./June 1952. 9.3 Si4

42902 LOPEZ TOURNIER, R. Experiencias realizadas con "terrazas de drenaje" para controlar la erosión en la Estación Experimental de Collipulli. Simiente 22: 145-146. Jan./June 1952. 9.3 Si4

42903 MARSH, B. A'B. The soil, our basic asset. Water erosion control. 5. West. Austral. Dept. Agr. J. (ser.3)1:793-795. Nov./Dec.1952. 23 W52J
Contouring.

42904 MASSEY, H. F., and JACKSON, M. L. Selective erosion of soil fertility constituents. Soil Sci. Soc. Amer. Proc. 16:353-358. Ref. Oct.1952. 56.9 So3

42905 MICHIGAN. STATE SOIL CONSERVATION COMMITTEE. Pave your waterways with grass. Mich. State Col. Agr. Ext. Folder F-171,6 p. n.d. 275.29 M58Ex

42906 MORSE, H. H. Guesswork vs surveys in soil conservation. Ohio Conserv. B. 17(3):22-23. Mar.1953. 279.9 Oh330

42907 MORT, H. D. Baldwin Mountain resumption area. N. S. Wales. Soil Conserv. Serv. J. 9:45-50. Jan.1953. 56.9 N472
Soil erosion control.

42908 NORTH CENTRAL SOIL CONSERVATION DISTRICT. Annual report. n.p.,1952. 4 p. 56.9 N813

42909 OGIHARA, S. A direct method of designing an open channel. Tokyo U. Forests. B. 43:167-173. June 1952. 99.9 T57
For erosion control.

42910 OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Save our soils. Okla. Agr. Col. Ext. C. 590,8 p.-folder. n.d. 275.29 Ok41C

42911 PAVARI, A. Prevention societies. (In Italian.) Monti e Boschi 3:516-521. Nov./Dec.1952. 16 M76
English summary, p. 572.
Soil conservation in Italian mountain areas.

42912 PEREIRA, H. C., and BECKLEY, V. R. S. Grass establishment on eroded soil in a semiarid African reserve. Empire J. Expt. Agr. 21:1-14. Jan.1953. 10 Em7

42913 RENDON M., H. A. Conservación de suelos en cafetales. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1:13-14,57. Oct.1952. 8 G934

42914 ROTH, B. A. Remember the CCC? Soil Conserv. 18:204-206. Apr.1953. 1.6 So3S
Includes soil conservation activities of the U. S. Civilian Conservation Corps.

42915 SALBANY, A. Problem of soil conservation in Portuguese East Africa. (In Portuguese.) Liga para a Protec. da Nat. P. 7:19-39. 1952. 279.9 L62

42916 SALTER, R. M. Soil conservation and improved soil management practices. Washington,U. S. Soil Conserv. Serv.,1952. 7 p. 1.965 A2Sa3
Talk before the National Agricultural Credit Committee, Federal Reserve Bank of Chicago, Sept. 22, 1952.

42917 SALTER, R. M. Wildlife and our soil conservation objectives. Washington,U. S. Soil Conserv. Serv.,1953. 8 p. 1.965 A2Sa3
Talk, Eighteenth North American Wildlife Conference, Washington, D. C., Mar. 10, 1953.

42918 SCOTT, J. D. A percentage conscious of danger. (In Afrikaans.) Landbouweekblad 34(1753):25. Feb. 18,1953. 24 L232
Soil erosion in the Union of South Africa.

42919 SOBOLEV, S. S. Problem of soil erosion control in the grass-field system of agriculture. (In Russian) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriàzeva. Voprosy Travopol'noi Sistemy Zeml. 1:306-328. Ref. 1952. 33.31 Ak13

42920 SUAREZ DE CASTRO, F. El primer Congreso de Agrónomos Colombianos y la conservación de los suelos. Agr. Trop. 9(2):39-40. Feb.1953. 26 Ag8

42921 TESTA, J. The mining of humus. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:1099-1101. Dec.1952. 68.29 Sa63
Soil conservation.

42922 TYMKO, M. M. Walnut [Juglans regia]—a means for the stabilization of gullies. (In Russian.) Priroda 41(10):117. Oct.1952. 410 P933

42923 U. S. SOIL CONSERVATION SERV. Our remaining land; we can use it and save it. Rev. Washington,1953. 12 p. 1 Ag84Ai

42924 U. S. SOIL CONSERVATION SERV. Progress of SCS work with soil conservation districts and with ACP participants. Washington,1952. 3 p. 1.96 Op2Pro

42925 WOODHAM, K. W. Reclamation of eroded grazing country in the Yass District. N. S. Wales. Soil Conserv. Serv. J. 9:32-37. Jan.1953. 56.9 N472

42926 YEAGER, J. H., and others. Terracing costs and problems in western Indiana. Ind. Agr. Expt. Sta. B. 583,31 p. Dec.1952. 100 In2P
L. S. Robertson, H. Kohnke, and I. D. Mayer, joint authors.

Sanitation

42927 GRUENHAGEN, R. H. Dowfume MC-2 for healthier gardens, seed beds and ornamentals. Down Earth 8(4):10-11. Spring 1953. 381 D75
Soil fumigation.

42928 MARCELLI, E. Disinfestation of soils infested with Heterodera marioni (Cornu) Goodey, by the use of DD. (In Italian.) Tabacco 57(642):25-29. Jan.1953. 69.8 T115

42929 MARTIN, J. P., and others. Effect of soil fumigation on growth and chemical composition of citrus plants. Soil Sci. 75:137-151. Ref. Feb.1953. 56.8 So3
D. G. Aldrich, W. S. Murphy, and G. R. Bradford, joint authors.

42930 MUNNECKE, D. E. How to treat soils to prevent disease. Pacific Coast Nurseryman 12(2):21,36-39. Feb.1953. 80 P116

42931 PASINI, B. Soil sanitation and yield of wheat. (In Italian.) Agr. Ferrarese 56:245-246. Nov.30,1952. 16 Ag87

42932 WYCOFF, H. B. Methyl bromide controls soil organisms which cause mortality of eastern white pine [Pinus strobus] seedlings. Tree Planters' Notes 12:11-15. Nov.1952. 1.962 C5T71

MATERIALS FOR SOIL IMPROVEMENT

Primary Materials

42933 YATES, L. D., and others. Enriched and concentrated superphosphates. Indus. & Engin. Chem. 45: 681-690. Ref. Mar.1953. 381 J825
F. T. Nielsson, E. J. Fox, and R. M. Magness, joint authors.

Secondary and Minor Element Materials

42934 CARPENTER, C. F. Trace elements in new form. Org. Gard. 21(3):36-37. Mar.1953. 56.8 Or3

42935 DEAN GUELBENZU, M., and others. Application de l'analyse spectrographique semiquantitative à l'investigation biochimique des oligo-éléments. Cong. Internatl. de Biochim. Résumés des Commun. 2:142-143. 1952. 386.2 In84
A. Santos Ruiz, J. M. Lopez Azcona, M. Comenge Gerpe and A. Sampedro Pineiro, joint authors.

42936 HOPKINS, D. P. New ways with trace elements. Com. Grower 2985:521-522. Mar.12,1953. 80 F941

42937 MAKSIMOW, A. Fertilization value of by-products of the boron industry. (In Polish.) Rocz. Nauk Roln. 59:139-162. Ref. 1952. 20.5 R59
English summary.

42938 MARSH, A. W. Minor elements, their importance in Northwest agriculture. Pacific Nowest. Fert. Conf. Proc. 2:46-50. 1951. 57.9 P11

Mixed Fertilizers and Fertilizer Technology

42939 ADELANTADO FERNANDEZ, L. Fertilizante integro concentrado. Rev. Indus. y Fabril 8(76):22-25. Jan.1953. 297.8 R322

42940 BRIDGER, G. L., BOYLAN, D. R., and MARKEY, J. W. Colorimetric determination of phosphorus pentoxide in fertilizers using a standard calibration plot. Analyt. Chem. 25:336-338. Ref. Feb.1953. 381 J825A

42941 BRIDGER, G. L. Fertilizers. Analyt. Chem. 25:17-24. Ref. Jan.1953. 381 J825A
Analysis.

42942 KELLER, W. D. Mineral content determines fertilizer value. Org. Farmer 4(7):14-15,42. Feb.1953. 57.8 Or3

42943 MAASTRICHT, NETHERLANDS. RIJKSLAND-BOUWPROEFSTATION. Gegevens meststoffenbesluit [Information on fertilizer regulations]. Ed. 5. Maastricht,1952. 31 p. 57.2 M11

42944 MALAVOLTA, E. Fertilizer mixtures. (In Portuguese.) São Paulo. Dir. de Publicidade Agr. B. de Agr. 51:519-537. 1950,pub.1952. 9.2 Sa63

42945 MINNESOTA.DEPT. OF AGRICULTURE, DAIRY AND FOOD. Fertilizer analyses and registrations. St. Paul,1952. 88 p. 57.9 M66

42946 MISSOURI. AGRICULTURAL EXPERIMENT STATION. Fertilizer inspection and analysis: fall, 1951. Mo. Agr. Expt. Sta. B. 585,63 p. July 1952. 100 M693

42947 NEW MEXICO. FEED AND FERTILIZER CONTROL OFF. Twenty-third annual report, year ending December 31,1952. State College,1953. 12 p. 57.9 N46

42948 SCHWAIBOLD, J., and KOHLER, M. Die anwendung einer neuen methode zur bestimmung des K_2O- und N-gehaltes der düngemittel. Landwirt. Jahrb. f. Bayern 30:55-63. Jan.1953. 18 L24

42949 SEISCHAB, F. Prüfung neuerer handelsdünger ("Kamp-dünger", "Humka" und "Wichteldünger"). Z. f. Pflanzenbau u. Pflanzenschutz 3:124-141. 1952. 464.8 P88

Fertilizer Statistics

42950 ALLSTETTER, W. R. The economics of fertilizer usage. Com. Fert. 86(3):75-78. Mar.1953. 57.8 C73

42951 ALLSTETTER, W. R. Fertilizer salesmen: clinch the sale with these figures. Farm Chem. 116(3): 37-39. Mar.1953. 57.8 Am3

42952 BAADE, F. Entwicklung und leistungsstand der deutschen düngerindustrie. Deut. Landwirt.-Gesell. Mitt. 68:176-180. Feb.19,1953. 18 N39

42953 BRIDGER, G. L., and BOYLAN, D. R. Production of fertilizer from phosphate rock. Indus. & Engin. Chem. 45:646-652. Ref. Mar.1953. 381 J825

42954 COLEMAN, R. Fifty years of progress with fertilizer. Natl. Grange Mon. 50(3):6-7. Mar.1953. 6 N215

42955 COWIE, G. A. Potash in agriculture; postwar increase in consumption. (Sum.) Chem. Trade J. & Chem. Engin. 132:561-562. Mar.6,1953. 382 C422

42956 CRUMPLER, R. Conservation of fertilizer materials. Pacific Nowest. Fert. Conf. Proc. 2:111-114. 1951. 57.9 P11

42957 CURTIS, H. A. Changes in the fertiliser industry of the United States. World Crops 5:105-108. Mar.1953. 281.8 W892

42958 DAUJAT, A. Mise au point, au point final, espérons-le! Motorisation Agr. 8(76):21. Jan.1953. 58.8 M85
Fertilizer prices.

42959 FUDGE, J. F. Distribution of fertilizer sales in Texas, July 1-December 31, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1546,3 p. Feb.9,1953. 100 T31P

42960 GROS, A. La betterave à sucre, élément fondamental du progrès agricole, est aussi un gros débouché pour l'industrie française des engrais. B. des Engrais 348:9-12. Jan.1953. 57.8 B87

42961 KAPUSTA, E. C. Fertilizer industry. Chem. & Engin. News 31:28-30. Jan.5,1953. 381 J825N

42962 KING, A. S. Fertilizer supplies now and in the future. Oreg. Seed Growers League. Proc. 11:31, 33-34. 1952. 61.9 Or3

42963 KRISTIANSSON, S. Fertilizer consumption. (In Swedish.) Lantmannen 37:197-199,205. Feb.28,1953. 11 L234

42964 MINOR, W. A. Fertilizer programs. Natl. Grange Mon. 50(3):10-11,21,24. Mar.1953. 6 N215

42965 SCHOLL, W., and WALLACE, H. M. Preliminary report on consumption of commercial fertilizer in the United States; year ended June 30, 1952 with preceding nine-year trend. Com. Fert. 86(3):20-22. Mar.1953. 57.8 C73

42966 SCHOLL, W., and WALLACE, H. M. U.S. uses 22 million tons of fertilizer, 1952. Agr. Chem. 8(3):48-49, 129. Mar.1953. 381 Ag8

42967 SHEARON, W. H., and DUNWOODY, W. B. Ammonium nitrate. Indus. & Engin. Chem. 45:496-504. Ref. Mar.1953. 381 J825

42968 SPEYER, F. C. O. Reflections on the world nitrogen position. Empire J. Expt. Agr. 21:49-54. Jan. 1953. 10 Em7

42969 TOBEY, E. R., and others. Commercial fertilizers, 1952. Maine. Agr. Expt. Sta. Off. Insp. 225,24 p. Oct.1952. 100 M28S

42970 TRUITT, P. T. Fertilizer and the future. Natl. Grange Mon. 50(3):14-15,24,37. Mar.1953. 6 N215

42971 WILSON, L. H. Fertilizer picture for '53. Agr. Leaders' Digest 34:20,34. Jan.1953. 275.28 Am3

42972 WOERMANN. Entwicklungsstufen der düngerwirtschaft. Deut. Landwirt.-Gesell. Mitt. 68:171-174. Feb.19,1953. 18 N39

Mineral Soil Amendments

42973 ELPHICK, B. L. The stockpiling of lime. Canterbury Chamber Com. Agr. B. 282,4 p. Jan.1953. 23 C162

42974 PENTON, A. Big news about lime. Org. Farmer 4(7):18-19,42,44-45. Feb.1953. 57.8 Or3

42975 WEBSTER, R. H., and others. Surface areas and relative solubility of agricultural limestone. Agron. J. 45:39-42. Feb.1953. 4 Am34P
C. E. Evans, G. W. Volk, and P. F. Pratt, joint authors. Samples used were obtained from dealers in Ohio.

Manures and Composts

42976 AHRER, K. Jauchedüngung. Bauer 6(6):14-15. Feb.7,1953. 19 B32
Austria.

42977 AMES, J. B. Maine coast composting. Org. Gard. 21(3):32-33,59-61. Mar.1953. 56.8 Or3

42978 ATKINS, F. C. Synthetic compost. Mushroom Res. Assoc. Rpt. 1951:51-54. 1952. 84 Y2

42979 BOGUSLAWSKI, E. VON, and IMHOF, E. Versuche über die wirkung von schafpferch. Deut. Landwirt.-Gesell. Mitt. 68:206-208. Feb.26,1953. 18 N39
Effect of manure.

42980 BYNGHAM, D. Charcoal and coal dust as manures; hints from horticulturists of hundred years ago. Soil Mag. 4:135-139. Mar.1953. 56.8 So36

42981 CHRIST. Herstellung und anwendung von kompost im bäuerlichen betrieb. Landwirt. Z. der Nord-Rheinprov. 120:107-108. Jan.24,1953. 18 L2344

42982 DOPTER, P., and BEERENS, H. Étude expérimentale sur la fermentation méthanique de la paille. Acad. d'Agr. de France. Compt. Rend. 38:745-750. Ref. Dec.3/17,1952. 14 P215Bc

42983 DUQUE, J. P. La fabricación del humus por procedimiento Indore. Lamatepec (ser.2)16:3480-3481. (Cont.) Oct.1952. 8 L16

42984 EDWARDS, R. L., and FLEGG, P. B. Casing soil. Mushroom Res. Assoc. Rpt. 1951:21-43. 1952. 84 Y2

42985 EDWARDS, R. L. Straw supplies and some possible alternatives. Mushroom Res. Assoc. Rpt. 1951: 55. 1952. 84 Y2

42986 GROETZNER, E. Gewinnung und anwendung von stallmistkompost. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:795-796. May 22,1952. 18 L2346

42987 JOHNSON, J. R. Recovery of granular fertilizer from ion exchange spent regenerants. Amer. Soc. Sugar Beet Technol. Proc. 7:729-732. 1952. 66.9 Am35

42988 KOROVKIN, M. A. Utilization of phosphorite fertilizer in the preparation of organic-mineral composts. (In Russian.) Sovet. Agron. 10(12):57-60. Dec.1952. 20 So84

42989 LONGHOUSE, A. D., and others. Liquid manure is valuable. W. Va. Agr. Expt. Sta. B. 357(2):3, 13. Dec.1952. 100 W52
J. T. Reid, O. J. Burger, and I. D. Porterfield, joint authors.

42990 MORGADO, M. L. Fertility of agricultural soil and compost. (In Portuguese.) Gaz. do Agr. 4:290-291. (Cont.) Nov.1952. 24 G25

42991 PCHELKIN, V. U., and OZOLINA, Z. D. Utilization of composts for increasing the yields of agricultural crops. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:43-47. Jan.1953. 20 D742

42992 RAM, C. S. V., and PAI, K. V. S. Fertilization value of tank silts. II. Phosphorus and reproductive vigour of Oryza sativa L. Indian Acad. Sci. Proc. Sect. B 36: 81-94. Aug.1952. 513 In25B

42993 REMUS, J. Compost d'Indore. Culture 39:16-17. Nov./Dec.1952. 14 C894

42994 RODALE, J. I. Are we using too much compost? I. Org. Farmer 4(7):26. Feb.1953. 57.8 Or3

42995 SCHEFFER, F., and KEMMLER, G. Biologische gasgewinnung aus stallmist. Deut. Landwirt.-Gesell. Mitt. 68:27-29. Jan.8,1953. 18 N39

42996 SLAGLE, A. B. Composting cotton gin wastes. Sowest. Crop & Stock 7(2):12,91-92. Feb.1953. 6 So8942

42997 TAGGER, H. Abfallverwertung der städte; bericht über eine intereuropäische studienreise der OEEC im jahre 1951. Wien,Osterreichisches Produktivitäts-Zentrum,1952. 45 p. (Die Studienreise; Schriftenreihe des Osterreichischen Produktivitäts-Zentrums) 309 T12
Includes use as fertilizer.

42998 TEREGULOV, I. KH. Utilization of peat for fertilizer on Krasnyĭ Oktîabr' Collective Farm. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:33-36. Oct.1952. 20 D742

42999 THOMANN. Stallmist-verschlauchung. Württemb. Wchnbl. f. Landwirt. 120:198-199. Feb.21,1953. 18 W96

43000 VAN KLEECK, L. W. Digested sewage sludge as a soil conditioner and fertilizer. Conn. State Dept. Health. Conn. Health B. 67:55-62. Mar.1953. 449.7 C76C

43001 VELBERG, A. M. The manufacture of gas from manure. II. (In Dutch.) Friesch. Landbbl. 49:719. Nov.28,1952. 12 F91

43002 WEAVER, E. A., and others. Aerobic microbiological treatment of potato starch factory wastes. U. S. Bur. Agr. & Indus. Chem. AIC-350,8 p. Feb.1953. 1.932 A2Ag82
E. G. Heisler, N. Porges, M. S. McClennan, R. H. Treadway, W. W. Howerton, and T. C. Cordon, joint authors.

43003 WIELAND, A. Ein humusersatzschlüssel. Deut. Landwirt.-Gesell. Mitt. 68:101-102. Jan.29,1953. 18 M39
Compost.

43004 WOLFE, L. P., DUNN, S., and MACDONALD, W. A. Sawdust composts in soil improvement. I-II. Plant & Soil 4:223-247. Jan.1953. 450 P696

43005 ZENDY-ZUCKER, F. El estiercol artificial. Argentina. Inst. de Suelos y Agrotec. Tirada Int. 23,60 p. 1952. 9 Ar32
Compost.

FORESTRY

GENERAL

43006 BOOTH, G. A. The forests of Upper Nile Province, 1862-1950. Sudan Notes & Rec. 33:113-128. June 1952. 515 Su2

43007 CHAMPION, H. G. Special report on the Sixth British Commonwealth Forestry Conference. Brit. Agr. B. 5:381-382. Mar.1953. 10 B776

43008 DAVYDOV, A. V. Conference on collaboration of science and production. (In Russian.) Lesn. Khoz. 5(10):70-74. Oct.1952. 99.8 L5622
Sponsored by The Central Scientific-Research Institute of Forestry.

43009 ECKMÜLLNER, O. Forstliche wallfahrt ins Pitztal. Salzburger Bauer 8(3):2-3. Jan.15,1953. 19 Sa3

43010 EDLIN, H. L. Britain's new forest villages. Unasylva 6:151-159. Dec.1952. 99.8 Un1

43011 FEDERATION DES ASSOCIATIONS DE COMMUNES FORESTIERES FRANCAISES. L'assemblée générale fédérale s'est tenue a Paris le samedi 22 novembre 1952. Fed. des Assoc. de Communes Forest. Franc. B. Off. 11/12:10-15. Nov./Dec.1952. 99.9 F313

43012 FEIERABEND, P. Berechnung eines sortentarifs aus dem EHT. Allg. Forst- u. Jagdztg. 124:64-78. Jan.15,1953. 99.8 AL3
Calculation of wood cutters' wage scale.

43013 GIORDANO, G. Forest conservation. (In Italian.) Ricerca Sci. 22(4,sup.A):151-160. 1952. 475 It1
English summary.

43014 GONZALEZ PENA, C. La civilización y los arboles. Mex. Forest. 30:62-64. July/Oct.1952. 99.8 M57
From El Universal.

43015 HAWES, A. F. A brief history of forestry in Connecticut. (Sum.) Conn. Woodlands 18:10. Jan.1953. 99.8 C76

43016 HESKE. Forest situation of the Near East region. Istanbul. U. Facul. des Sci. Forest. Commun. 1: 2-5. July 1952. 99.9 Is72C

43017 HESKE, F. Forests and agriculture in Turkey, with special reference to the necessity of water economy under semiarid conditions. Istanbul. U. Facul. des Sci. Forest. P. 21:4-12. 1952. 99.9 Is72P

43018 HOME, SIR J. M. The correlation of afforestation and agricultural land improvement. Brit. Agr. B. 5: 339-342. Mar.1953. 10 B776

43019 HOVDE, S. B. Forestry in Narrows Creek watershed. Narrows Creek Rippe 1:5. Jan.1953. 292.8 N16

43020 HOWERTON, T. M. Forestry consultants in Florida. Forest Farmer 12(5):28. Feb.1953. 99.8 F7692

43021 KING, N. L. Some notes on forestry in Northern Rhodesia. So. African Forestry Assoc. J. 22:34-37. Oct.1952. 99.9 So82

43022 KOTSCHWAR, A. Forst- und holzwirtschaftliche übersicht kolumbiens. Internatl. Holzmarkt 43(26): 19-22; 44:23-26. (Cont.) Ref. Dec.20,1952,Jan.10,1953. 99.81 In82

43023 KUZIN, I. G. Leaders [workers] of Ilek Forest Conservation Station. (In Russian.) Lesn. Khoz. 5(10):91-92. Oct.1952. 99.8 L5622

43024 LOYCKE, H. J. Grundvoraussetzungen der menschenführung in forstbetrieben. Allg. Forstz. 8:77-79. Feb.11,1953. 99.8 AL52

43025 NESTEROV, V. G. Soviet forestry. (In Russian.) Les i Step' 4(11):11-17. Nov.1952. 99.8 L565

43026 NIMSHI, J. BEN. Arboricultural terminology. (In Hebrew.) Hassadeh 33:157-158. Dec.1952. 26 H27

43027 PEET, C. History of forest tools: the ax and adz. Amer. Forests 59(3):19,50. Mar.1953. 99.8 F762

43028 PETRIN, C. Aspects of Brazilian forestry. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizazazione agricola in Brasile, v.1.p.193-410. Firenze,1952. 282.2 R66

43029 SAARI, E. Some conceptional problems and other difficulties of tropical forestry. (In Finnish.) Metsätaloudellinen Aikakauslehti 12:341-343. 1952. 99.9 F49

43030 SHABLYGA, M. I. Improving the work records and accounts with [forest] workers. (In Russian.) Lesn. Khoz. 5(10):74-76. Oct.1952. 99.8 L5622
Calculations of wages chiefly.

43031 SI, L. Forestry of new China on higher level. (In Russian.) Lesn. Khoz. 5(8):84-88. Aug.1952. 99.8 L5622

43032 SMIDA, M. Forests aiding socialist agriculture. (In Czech.) Za Socialist. Zeměděl. 2:1241-1243. Nov.1952. 19.5 Z1

43033 SOUTH AFRICAN FORESTRY ASSOCIATION. Annual report for the year ended 31st May, 1951. Pretoria,1952. 4 p. In South African Forestry Assoc. J., No. 22. Oct.1952 99.9 So82

43034 SPURR, S. H. Post-war forestry in western Europe. 1. England and Scotland. J. Forestry 51:195-199. Mar.1953. 99.8 F768

43035 STAPLETON, C. C. The critical faculty in forestry. So. African Forestry Assoc. J. 22:48-50. Oct. 1952. 99.9 So82

43036 THIESMEYER, L. R. Forestry goes into the insurance business. Pulp & Paper Mag. Canada 54(2):49-52. Feb.1953. 302.8 P96
Research.

43037 TURC, L. Les sources de la sylviculture de Maclot: la réformation de 1542. Rev. Forest. Franç. 2: 94-112. Ref. Feb.1952. 99.8 R329

43038 WARD, J. D. U. A woodman's diary. London, Routledge and Kegan Paul,1952. 352 p. 99 W213

43039 WILLIAMSON, J. Q. The ancient crown woodlands. Roy. Inst. Chartered Surveyors. J. 32:578-581. Feb.1953. 282.9 C38J

Education

43040 ADAMS, E. J. School forests—'conservation educators.' Conserv. Volunteer 15(90):30-32. Nov./Dec. 1952. 279.8 C765

43041 CARLSON, F. E. Television and forestry. (Sum.) Pulp & Paper Mag. Canada 54(2):86,88. Feb.1953 302.8 P96

43042 DEAN, G. W. Industry develops youthful foresters at Holiday Lake Camp. Pulp & Paper Mag. Canada 54(3):272,275-276. 1953. 302.8 P96

43043 ESAÎAN, A. S. Training of young cadres of foresters in Armenian SSR. (In Russian.) Lesn. Khoz. 5 (8):75-76. Aug.1952. 99.8 L5622

43044 KAUFMAN, C. M. What the University of Florida is doing to advance forestry. Forest Farmer 12 (5):33-35,42. Feb.1953. 99.8 F7692

43045 KOENINGS, R. H. Future Farmers of America school forests. Wis. Conserv. B. 18(2):41-43. Feb.1953. 279.8 W752

43046 KUZNETSOV, V. V. Higher education without a break in production. (In Russian.) Lesn. Khoz. 5(8):77. Aug.1952. 99.8 L5622
Correspondence courses for foresters.

43047 PRESTON, R. J. The role of the general forestry course in the professional forestry curriculum. (Sum.) Pulp & Paper Mag. Canada 54(2):86. Feb.1953. 302.8 P96

43048 SMITH, M. E. Forestry in 4-H. Minn. U. Agr. Ext. 4-H B. 26,39 p. Dec.1952. 275.29 M662M

43049 SUWE, E. G. Holzhandelsschule in Norddeutschland? Norddeut. Holzwirt. 7(8):1-2. Jan.17,1953. 99.82 N75

43050 VAN CAMP, J. L. Interpreting professional forestry to the layman. (Abs.) Pulp & Paper Mag. Canada 54(3):306. 1953. 302.8 P96

Policies, Programs, Administration

43051 ALVAREZ DE MON, R. De economía forestal repoblación e ingenieria. Montes 8:450-452. Nov./Dec. 1952. 99.8 M763

43052 BICKERSTAFF, A. Silvicultural research program of the Forestry Branch. Canada. Forest Res. Div. Misc. P. 2,10 p. 1952. 99.9 C1692M

43053 BOVIN, A. I. Four years of work on the Stalin Plan to change nature. (In Russian.) Lesn. Khoz. 5(10): 1-13. Oct.1952. 99.8 L5622
Chiefly on forestry plans.

43054 COLLINGWOOD, G. H. Traditional GOP land policies. Amer. Forests 59(2):14,28,30,32. Feb.1953. 99.8 F762

43055 CONNELLY, B. J. Melrose plants trees. Conserv. Volunteer 15(90):26-27. Nov./Dec.1952. 279.8 C765
Minnesota.

43056 COULTER, C. H. Florida moves ahead in forestry. Forest Farmer 12(5):14-15,40. Feb.1953. 99.8 F7692

43057 DEHRA DUN. FOREST RESEARCH INSTITUTE. Forest research in India, 1948-49. II. Reports for Burma and Indian provinces. Delhi,1952. 72 p. 99.9 In23

43058 DIETERICH, V. Ertragssteigerung—produktionslenkung forstpolitisch gesehen. Forstwiss. Centbl. 72:14-28. Jan./Feb.1953. 99.8 F775

43059 FEVRE. Les groupements de propriétaires forestiers. Forêts de France et Action Forest. 43:18,23. Dec.1952. 99.9 F315

43060 FEVRIER, J. G. La politica francesa de repoblación forestal. Montes 8:439-440. Nov./Dec.1952. 99.8 M763

43061 GAN, G. On developing a shelterbelt in the western part of North-Eastern China. (In Russian.) Lesn. Khoz. 5(8):88-90. Aug.1952. 99.8 L5622

43062 GILL, T. A forest policy and program for Taiwan. Chin.-Amer. Econ. Coop. 1(11):1-17. Nov. 1952. 173.2 M98C

43063 GOISLARD, P. H. Reboisement du plateau de Millevaches en France. Forêt Conserv. 19(2):16-17. Feb.1953. 99.8 F792

43064 GRACHEV, A. G. At the State shelterbelt, Kamyshin-Stalingrad. (In Russian.) Les i Step' 4(10):55-60. Oct.1952. 99.8 L565
Policy.

43065 HAGMAN, P. The French forest service. (In Swedish.) Skogen [Stockholm] 39:208-209. Oct.1,1952. 99.8 Sk51

43066 IDAHO. STATE FORESTER. Fourteenth biennial report. Boise,1952? 26 p. 99.9 Id15

43067 INSTITUTE OF FOREST GEOGRAPHY AND FOREST PROBLEMS OF THE NEAR EAST. Foundation of the Institute. Istanbul. U. Facul. des Sci. Forest. Commun. 1:1-2. July 1952. 99.9 Is72C

43068 JOHNSON, V. E. L'administration de la forêt. Forêt Conserv. 19:9-14. Jan.1953. 99.8 F792

43069 KARSUDJONO. Planning division of the Forest Service in Indonesia. (In Indonesian.) Rimba Indonesia 1:151-168. Nov.1952. 99.8 R46
English summary.

43070 KLEPAC, D. Forest management in France. (In Serbo-Croatian.) Šumarski List 76:347-364. Ref. Oct./Nov.1952. 99.8 Su6
French summary.

43071 KNIGGE-BREDENBECK, FREIHERR. Zur forstpolitischen lage. Hannoversche Land- u. Forstwirt. Ztg. 106:219-220. Feb.21,1953. 18 H194

43072 KOTOK, E. I. Algunas observaciones sobre politica forestal. Simiente 22:164-166. Jan./June 1952. 9.3 Si4
Chile.

43073 KRINITSKIĬ, V. V. In the Usman pine forest. (In Russian.) Priroda 41(12):80-83. Dec.1952. 410 P933
Research carried on by the Voronezh State National Forest Reservation.

43074 LIHTONEN, V. The work of the 1949 Forestry Committee. (In Finnish.) Metsätaloudellinen Aikakauslehti 11:287-288,293. 1952. 99.9 F49
English summary, p. 325.

43075 LITTLEFIELD, E. W. The forest preserve controversy. Gard. J. 3:38-39,59. Mar./Apr.1953. 80 G1635

43076 LITTLEFIELD, E. W. The future of the Forest Practice Act; where do we go from here? N. Y. State Conserv. 7(4):17. Feb./Mar.1953. 279.8 N48

43077 LOUISIANA FORESTRY COMMISSION. Fourth progress report, 1950-1951. Baton Rouge?1952? 24 p. 99.9 L933P

43078 MAINE FOREST SERV. Directory and manual, 1952. Augusta,Maine,1952. 131 p. 99.9 M282M

43079 MASSACHUSETTS FOREST AND PARK ASSOCIATION. Report for the year 1952. Forest & Park News 27:3-4. Jan.1953. 99.8 F7693

43080 MORRISON, M. B. The relation of changing economic conditions and other factors on public policy regarding forest lands in Canada. (Abs.) Pulp & Paper Mag. Canada 54(3):304. 1953. 302.8 P96

43081 NAGOVITSYN, N. A. Shelterbelts along the Volga-Don [Canal]. (In Russian.) Lesn. Khoz. 5(11):7-10. Nov.1952. 99.8 L5622
Policy.

43082 NEBENZIA, A. The route of youth. (In Russian.) Lesn. Khoz. 5(10):30-32. Oct.1952. 99.8 L5622
Shelterbelt planting by young communists.

43083 NIGERIA FOREST DEPT. Annual report for the year 1950-51. London,1952. 64 p. 99.9 N562

43084 NIKITIN, P. L. We're developing State shelterbelts. (In Russian.) Lesn. Khoz. 5(10):23-27. Oct.1952. 99.8 L5622
Policy.

43085 NOVA SCOTIA. DEPT. OF LANDS AND FORESTS. Report, 1951. Halifax,1952. 82 p. 99.9 N85

43086 NOWELL, J. S. A conservation land use plan for the town of Groton,Massachusetts. Mass. Forest and Park Assoc. B. 175,11 p. Oct.1952. 99.9 M38

43087 NUILA LOPEZ, L. Reforestacion nacional. Agr. Salvadoreño 2(12):7. Dec.1952. 8 Ag896

43088 PALMA, P. Encouragement of silviculture; fiscal exemptions and financial contributions of the State for the formation of new forests and the reconstruction of greatly deteriorated forests. (In Italian.) Monti e Boschi 3:540-549. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

43089 PETROV, G. E. Efficiency in and mechanization of agricultural forest developments in the Main Turkmenian Canal zone. (In Russian.) Lesn. Khoz. 5(12):8-10. Dec.1952. 99.8 L5622

43090 PIPPIN, J. A. Piedmont. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.79-81. Raleigh,1952. 279.9 C7633
Work of the North Carolina Department of Conservation and Development.

43091 POLIAKOV, A. M. On the route of the State shelterbelt, Kamyshin—Stalingrad. (In Russian.) Lesn. Khoz. 5(10):28-30. Oct.1952. 99.8 L5622
Achievements of young communists and workers of forest conservation stations in growing forests.

43092 POMEROY, K. Cooperative research, key to the future. Forest Farmer 12(5):19,38. Feb.1953. 99.8 F7692

43093 RIQUELME INDA, J., and PEREZ CASTRO, L. El grave problema de los bosques; es urgente contener la devastación forestal. Mex. Forest. 30:55-60. July/Oct.1952. 99.8 M57
Reforestation plan.

43094 ROBERTSON, F. C. F. The work of the Commonwealth Forestry Bureau, Oxford, 1947-1951. London, Forestry Comn.,1952. 7 p. 99.9 R54

43095 SACCHI, G. Enlargement of the State forest domain. (In Italian.) Monti e Boschi 3:500-504. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

43096 SAWYER, R. W. The whole story. Amer. Forests 59(3):10-12,39. Mar.1953. 99.8 F762
Federal land ownership.

43097 SBORSHCHIKIAN, A. V. Armenian foresters are developing new forest plantations. (In Russian.) Lesn. Khoz. 5(8):17-18. Aug.1952. 99.8 L5622
Policy.

43098 SENKEVICH, A. A Organizational and economic policies for forests of group I. (In Russian.) Lesn. Khoz. 5(12):21-24. Dec.1952. 99.8 L5622
Regeneration.

43099 SINGER, J. Man steht am fenster; eine rückschau auf die in den nachkriegsjahren erfolgte entwicklung der österreichischen forst- und holzwirtschaft. Internatl. Holzmarkt 43(26):15-17. Dec.20,1952. 99.81 In82

43100 SOLDATOV, A. G. Forestry workers of Ukrainian SSR in the effort for fulfillment of socialist obligations. (In Russian.) Lesn. Khoz. 5(10):15-22. Oct. 1952. 99.8 L5622

43101 STRAUB, W. Remaniements forestiers en Thurgovie. Forêt 6:43-46. Dec.1952. 99.8 F7683

43102 SUKACHEV, V. N., and ZONN, S. V. Science to the assistance of changing nature. (In Russian.) Priroda 41(11):49-54. Nov.1952. 410 P933
Chiefly on accomplishments of the Complex Scientific Expedition on Problems of Shelterbelt Silviculture.

43103 TASMANIA. FORESTRY COMMISSION. Report for the year ended 30th June, 1952. Hobart,1952. 26 p. 99.9 T182

43104 TUCKER, L. The South leads the Nation in growing crops in the woods. Prog. Farmer, Miss.-Ark.-La. Ed. 68(3):204-205. Mar.1953. 6 So81
Tree farming.

43105 U. S. FOREST SERV. NORTHERN ROCKY MOUNTAIN FOREST & RANGE EXPERIMENT STATION. Forty-second annual report for the calendar year 1952. Missoula,1953? 52 p. 1.9 F7628An

43106 VEKSHEGONOV, V. A., and PATRIKEĬ, N. M. To restore and complete shelterbelts according to plan. (In Russian.) Les i Step' 4(10):36-40. Oct.1952. 99.8 L565

43107 VOLKOV, A. I. Leaders-mechanizers of Sloboda, Livny, and Sampur forest conservation stations. (In Russian.) Lesn. Khoz. 5(10):90. Oct.1952. 99.8 L5622

43108 WEDDELL, J. R. Far-sighted Florida industries push full forest development. Forest Farmer 12(5):17,43,46. Feb.1953. 99.8 F7692

43109 ZOLONTSEV, P. I. Mechanizers of Uriupin Forest Conservation Station are fulfilling their obligations. (In Russian.) Les i Step' 4(11):54-58. Nov.1952. 99.8 L565

Legislation and Taxation

43110 BONISCONTI, V. Notes on Law 991 on forestry; rationalization of silvicultural technique and utilization. (In Italian.) Humus 8(11):18-23. Nov.1952. 16 H88
Italy.

43111 DORIGUZZI, G. The mountains and the mountaineers. (In Italian.) Ricerca Sci. 22(4,sup.A):275-278. 1952. 475 It1
English summary.
Forest laws in Italy.

43112 EICHEL-STREIBER, H. VON. Zu "Betrachtungen und wünsche zu einem hessischen forstgesetz." Allg. Forstz. 8:88. Feb.11,1953. 99.8 AL52

43113 LECLERE, A. Un arrêt récent de la Cour de Paris sur l'article 40 du Code Forestier. Bois 70(3):1-2. Feb.10/15,1953. 99.82 B632

43114 LEMIEUX, F. A close look at Federal forest taxes. Lumberman 80(2):64,66,69. Feb.1953. 99.81 W52

43115 LIAUTEY, A. Les taxes forestières devant le Parlement. Bois 70(3):1,3. Feb.10/15,1953. 99.82 B632

43116 MAIER, P. Die kleine steuerreform und die holzwirtschaft. Holz-Zentbl. 79:169-170. Feb.7,1953. 99.81 H742

43117 PASSMANN, B. Die abgaben des forstwirts nach dem Lastenausgleichsgesetz. Allg. Forstz. 8:35-36, 46-49,54-60. Jan.14-28,1953. 99.8 AL52

43118 RATHBUN, L. W. New Hampshire taxes the ax. Amer. Forests 59(3):14-15,48-49. Mar.1953. 99.8 F762

43119 SCHIETHART, L. J. Plan for a new forest law. II. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:1-6. Jan.1953. 12 N282

43120 WILLIAMS, E. T. The small timber owner and his Federal income tax. U. S. D. A. Agr. Handb. 52, 55 p. Feb.1953. 1 Ag84Ah

43121 ZUMWALT, E. V. Forest taxation. Conn. Woodlands 18:14. Jan.1953. 99.8 C76

Forest Description and Resources

43122 CREUS VIDAL, L. El Valle de Arán, vivero nacional de celulosa noble. Rev. Indus. y Fabril 7:658-668. Dec.1952. 297.8 R322

43123 CRUIKSHANK, J. W. Forest survey and timber resources review. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.103-106. Raleigh,1952. 279.9 C7633

43124 DUPLAQUET, L. Quelques aspects forestiers des provinces méridionales de Madagascar. Rev. Forest. Franç. 2:81-93. Feb.1952. 99.8 R329

43125 ECKBO, N. B High veld plantations on the Modderfontein B. Gold Mines, Limited. So. African Forestry Assoc. J. 22:60-62. Oct.1952. 99.9 So82

43126 FROHLICH, J. Die tropen- und subtropengebiete der erde als zukünftige nutzholz-lieferanten. Internatl. Holzmarkt 44:20-22. Jan.10,1953. 99.81 In82

43127 GT. BRIT. FORESTRY COMMISSION. Census of woodlands. 1947—1949; woodlands of five acres and over. Gt. Brit. Forestry Comn. Census Rpt. 1,264 p. 1952. 99.9 G795C

43128 HUGUET, L. Utilisation intégrale des ressources de la forêt tropicale (etude d'un complexe agro-sylvo-industriel). Rev. Forest. Franç. 2:69-80. Feb.1952. 99.8 R329

43129 ILVESSALO, Y. Forests and forestry. Fennia 72:474-494. Ref. 1952. 511 H367

43130 ITALY. ISTITUTO CENTRALE DI STATISTICA. Statistica forestale [Forestry statistics] 1950-51. Roma, 1952. 187 p. 261 It15St

43131 KEEVER, C. Present composition of some stands of the former oak-chestnut forest in the southern Blue Ridge Mountains. Ecology 34:44-54. Jan.1953. 410 Ec7

43132 LEESON, E. Australia's forest resources. Austral. To-day 1953:100-101,103,105,107,109-110. 280.8 Au72

43133 MIRHAYDARI. Aperçu sur les forêts de l'Iran. Rev. Forest. Franç. 2:113-118. Feb.1952. 99.8 R329

43134 MOORE, C. H. Forests—an important asset of the Southwest. Fed. Reserve Bank Dallas. Mon. Business Rev. 38:17-24. Feb.1,1953. 284.8 F31D

43135 MROCZKIEWICZ, L. Podział Polski na krainy i dzielnice przyrodniczo-leśne. Distinction of natural forest regions and districts within Poland. Inst. Badawczy Leśn. Prace 80,119 p. Ref. 1952. 99.9 W26
English summary.

43136 RANCOURT, E. DE. Les ressources forestières françaises ne correspondent plus aux besoins de la France. Rev. Internatl. du Bois 20:27,29,31,33. Feb.1953. 99.8 R326

43137 SEARS, P. B. A new look at an old State. Conn. Woodlands 18:7-10. Jan.1953. 99.8 C76
Includes forest resources and agriculture in Connecticut.

43138 SECONDINI B., O. Mapa industrial forestal de Guatemala. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):32-33. Dec.1952. 8 G937M

43139 SKRIPNIKOV, V. S. A valuable forest massif of the Lenin Forestry Enterprise. (In Russian.) Lesn. Khoz. 5(8):34-35. Aug.1952. 99.8 L5622

43140 TAMESIS, F. Forest resources of the Philippines. Rev. Internatl. des Prod. Colon. 28(280):15-16. Jan.1953. 286.8 R326

43141 TAMESIS, F. Forest resources of the Philipines. Rev. Internatl. du Bois 20:36-37. Feb.1953. 99.8 R326

43142 TORTORELLI, L. A. El delta del rio Parana es region privilegiada para maderas blandas y de crecimiento rapido. B. Argentino Forest. 9(96):7. (Cont.) Oct.1952. 99.9 B632

43143 TORTORELLI, L. A. El delta del Rio Parana es region privilegiada para maderas blandas y de crecimiento rapido. B. Argentino Forest. 9(97):11. (Cont.) Nov.1952. 99.9 B632

43144 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Speical report series, No. 17. Timber and wattle plantations (farms occupied by whites). Pretoria, 1952. 58 p. 270 So87L

43145 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Special report series, No. 18. Timber and wattle plantations (Department of Forestry). Pretoria, 1952. 23 p. 270 So87L

43146 U. S. FOREST SERV. CALIFORNIA FOREST AND RANGE EXPERIMENT STATION. Area and ownership of forest land in Humboldt County, California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 16,23 p. Nov.1952. 1.9 F7626F

43147 U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Forest statistics of central and northern Indiana. U. S. Forest Serv. Cent. States Forest Expt. Sta. Forest Survey Release 14,29 p. Dec.1952. 1.9622 C3F76

43148 U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Forest statistics of Indiana. U. S. Forest Serv. Cent. States Forest Expt. Sta. Forest Survey Release 15,36 p. Jan.1953. 1.9622 C3F76

43149 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Mount Hood National Forest. Washington,1952. Map. 1 F76Mhy
Illustrations and text on back of map.

43150 VENET, J. Forêts de hêtre et de chêne en Yougoslavie. Rev. Forest. Franç. 2:124-135. Feb.1952. 99.8 R329

43151 WIKSTROM, J. H. Surveying Montana's forest resources. Mont. Acad. Sci. Proc. 12:115-122. 1952. 500 M762

43152 WRAY, R. D. Forest statistics for West Virginia. U. S. Forest Serv. Noeast. Forest Expt. Sta. Forest Statis. Ser. W. Va. 1,48 p. Oct.1952. 1.9622 N2F7622

43153 ZEHNGRAFF, P. Forest conditions in Taiwan. Chin.-Amer. Econ. Coop. 1(9):79-87. Sept.1952. 173.2 M98C

Individual Genera and Species

43154 AGUILAR, J. I. Coniferas guatemaltecas. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1:24-27. Oct.1952. 8 G934

43155 ANDRADE, J. L. DE. Notes on Eucalyptus. (In Portuguese.) Granja [Lisboa] 12:3-10. Jan./Mar. 1953. 15.5 G76
Culture.

43156 BARBA, L. DELLA. Proper poplar culture. (In Italian.) Agr. Ferrarese 56:241-243. Nov.30,1952. 16 Ag87

43157 BERKEL, A. Technical and economical properties of some important Turkish timber species. Istanbul. U. Facul. des Sci Forest. P. 21:31-35. 1952. 99.9 Is72P

43158 BROCKMAN, C. F. Native trees of the Pacific Northwest No. 1-Douglas fir (Pseudotsuga taxifolia). Arboretum B. 15:6-8. Spring 1952. 451 Ar1

43159 BURGER, H. Holz, blattmenge und zuwachs. XII. Fichten im plenterwald. Schweiz. Anst. f. das Forstl. Versw. Mitt. 28:109-156. Ref. 1952. 99.9 Sch92

43160 CAPON, M. Les noms vernaculaires des principales essences forestières à Yangambi (Turumbu). Belgium. Min. des Colon. B. Agr. du Congo Belge 44:91-118. Feb.1953. 24 K83

43161 COSTA, A. E. Notable trees of San Miguel. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):121-125. (Cont.) First Semes.1953. 15 Az6

43162 COSTA, C. DA. Trees of the Azores, some notes on their history. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):1-24. (Cont.) Ref. First Semes.1953. 15 Az6

43163 DIAS, S. C. Contribution to the study of the introduction of the rubber tree (Hevea brasiliensis Arg. Mull) into the State of São Paulo. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):52-55. Nov.1952. 9.2 B733

43164 ECHEVERRIA BALLARIN, I. Producción del Eucalyptus globulus. Spain. Inst. Forest. de Invest. y Exper. B. 23(62),39 p. 1952. 99.9 Sp1
English summary.

43165 EECKHOUT, L. E. Twee kongolese gymnospermen van belang: Podocarpus usambarensis Pilg en Podocarpus milanjianus Rendle [Two important Congo gymnosperms: P. usambarensis Pilg and P. milanjianus Rendle]. Rlandbhogesch. Lab. v. Houttechnol. Meded. 11, 8 p. Ref. Sept.1952. 99.9 G34
English summary.

43166 FARRAR, M. C. The big tree. Fla. Nat. 26:14. Jan.1953. 413.9 F66F

43167 FIRAT, F. Quelques données sur la production en bois des boisements d'Eucaliptus rostrata dans la région Mediterranéenne d'Anatolie. Istanbul. U. Facul. des Sci. Forest. P. 21:26-29. 1952. 99.9 Is72P

43168 GALOUX, A. Le sapin de Douglas aux Etats-Unis, son introduction en Europe et specialement en Belgique. Soc. Roy. Forest. de Belg. B. 59:457-499. Ref. Nov.1952. 99.9 B83

43169 GANENKO, I. G. Mongolian oak [Quercus mongolica]. (In Russian.) Lesn. Khoz. 5(11):78-81. Nov. 1952. 99.8 L5622

43170 GAUSSEN, H. Les résineux d'Afrique du Nord. Ecologie, reboisements. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:505-532. Nov./Dec.1952. 26 R323

43171 GERRY, E. Mancono "Philippine lignumvitae" Philippine iron wood, Xanthostemon verdugonianus Naves, family: Myrtaceae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1936,4 p. 1952. 1.9 F761R

43172 GRABOVSKAIA, A. A. Birches [Betula] and the velvet tree [Gynura] among the forest crops in the South of the forest-steppe. (In Russian.) Lesn. Khoz. 5(10):41-44. Oct.1952. 99.8 L5622

43173 HAYASHI, Y. The natural distribution of important trees indigenous to Japan. Conifer report 2. (In Japanese.) Rin-Go-Shiken-Hokoku 55,251 p.,and atlas. Oct.1952. 99.8 R47
English summary.

43174 HERMAN, F. R. A growth record of Utah juniper in Arizona. J. Forestry 51:200-201. Mar.1953. 99.8 F768
Juniperus utahensis.

43175 HILDEBRAND, F H. Daftar nama pohon-pohonan "Samarinda." Revised list of treespecies, collected in the division "Samarinda" (East-Borneo). Indonesia. Bosbouwproefsta. Rap. 58,107 p. Nov.1952. 99.9 Ea72R

43176 HOUGH, A. F. Preliminary recommendations for the management of black cherry [Prunus serotina] on the northern Allegheny Plateau. J. Forestry 51:184-188. Mar.1953. 99.8 F768

43177 HYLANDER, C. J. Trees and trails. New York, MacMillan,1952. 237 p. 99.3 H992

43178 INAL, S. Distribution of the Valonea-oak (Quercus aegilops) in Turkey and its ecological basis. Istanbul. U. Facul. des Sci. Forest. P. 21:38-42. 1952. 99.9 Is72P

43179 IVANNIKOV, S. P. Fast growing and rot resistant aspen variety. (In Russian.) Lesn. Khoz. 5(12): 37-38. Dec.1952. 99.8 L5622

43180 IVCHENKO, S. I. Sorbus torminalis—a valuable species for forest plantations in the steppe. (In Russian.) Lesn. Khoz. 5(8):35-37. Aug.1952. 99.8 L5622

43181 JAGERSCHMIDT, M. La disparition du chêne en France. Rev. Internatl. du Bois 20(175):10-12. (Cont.) Jan.1953. 99.8 R326

43182 JAGERSCHMIDT, M. La disparition du chêne en France. Rev. Internatl. du Bois 20:40-42. (Cont.) Feb.1953. 99.8 R326

43183 KAPPER, O. G. European mountainash [Sorbus aucuparia]. (In Russian.) Lesn. Khoz. 5(8):37-38. Aug. 1952. 99.8 L5622

43184 KAYACIK, H. The importance of cork-oak, Quercus suber, for Turkey. Istanbul. U, Facul. des Sci. Forest. P. 21:36-37. 1952. 99.9 Is72P

43185 KLAEHN, F. U. Die wichtigsten erlenarten der erde. Holz-Zentbl. 79:146. Jan.31,1953. 99.81 H742

43186 LENSI, G. Southern poplar culture. (In Italian.) Terra e Sole 126:51-53. Feb.1953. 16 T273
Italy.

43187 LIU, S. H., and YANG, P. L. Studies on the increment of four introduced species in Heng-Chun. (In Chinese.) Taiwan. Forest Res. Inst. B. 30,33 p. Ref. Feb.1952. 99.9 F7652
English summary.
Garcinia spicata, Swietenia mahagoni, Cassia siamea and Agathis alba.

43188 MANN. Das "lärchenrätsel." Hannoversche Land- u. Forstwirt. Ztg. 106:62-64. Jan.17,1953. 18 H194
Origins and culture.

43189 MARQUEZ, D. R. Buri—the versatile Philippine palm. Agr. & Indus. Life 15:21,43. Jan.1953. 25 Ag8

43190 NIKITIN, F. A. Growth characteristics of pure birch saplings of the Central Urals. (In Russian.) Lesn. Khoz. 5(12):35-37. Dec.1952. 99.8 L5622

43191 ODISHARIIA, K. IU. Palms on the Black Sea coast of western Gruziia. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:102-112. 1952. 451 M854

43192 PAVARI, A. A position of honor for the Eucalyptus in the forest and agricultural economy. (In Italian.) Agricoltura 1(12):19-23. Dec.1952. 16 Ag8226
English summary.

43193 PESCOTT, E E. King Willow reigns. Westralian Farmers Co-op Gaz. 23:233-234. Nov.1952. 280.28 W522

43194 PETRACIC, A., and ANIC, M. Le frêne commun dans la montagne de Zagreb. (In Serbo-Croatian) Glasnik za Sumske Pokuse 10:25-62. Ref. 1952. 99.1 Z1
French summary.

43195 PETROV, M. P. On the cultivation of tamarisks [Tamarix]. (In Russian.) Lesn. Khoz. 5(8):23-26. Aug.1952. 99.8 L5622

43196 PIATTELLI, E. The cedars of Lebanon in the Bible. (In Italian.) Rass. del Mercato Internaz. del Legno 4:170-172. Oct.1952. 99.82 R18

43197 POPOV, P. V. Eucommia in the Transcarpatian Region. (In Russian.) Lesn. Khoz. 5(12):58. Dec. 1952. 99.8 L5622

43198 POZDNIAKOV, L. K. Tree-like form of Pinus pumila. (In Russian.) Bot. Zhur. 37:688-691. Sept./Oct. 1952. 451 R923

43199 PUENTE, J. M. DE LA. Observaciones sobre el "pino campeón" de Durango. Mensajero Forest. 98:5, 8,24. Oct.1952. 99.8 M522

43200 PYNAERT, L. Le kapok [Ceiba pentandra]. Belgium. Dir. de l'Agr. des Forêts et de l'Elevage. Tract 17,rev.,32 p. 1952. 13 B412

43201 REICHENSTEIN. Nordamerikanische hölzer: namen, handelsbezeichnungen. Norddeut. Holzwirt. 7(21): 4; (23):3. (Cont.) Feb.17,21,1953. 99.82 N75
Coniferae.

43202 ROSSMASSLER, W. Die Weymouthskiefer — die pappel unter den nadelhölzern. Holz-Zentbl. 79:191. Feb.10,1953. 99.81 H742

43203 SCHMIDT, E. Westafrikanische Ceiba. Ceiba pentandra (L.) Gaertner. Uberseehölzer 34,4 p.. 1952. 99.82 Ub3

43204 SCHMITZ-LENDERS, B. Pappelprobleme. Forst u. Holz 8:13-20. (Cont.) Jan.16,1953. 99.8 F7724

43205 SEVEROVA, A. I. Chosenia--a valuable tree species. (In Russian.) Lesn. Khoz. 5(11):82-83. Nov. 1952. 99.8 L5622

43206 SMITH, N. F. Hemlock. Timber Prod. B. 118: 10-11. Jan.1953. 99.9 T482B

43207 SMITH, N. F. Jack pine [Pinus banksiana]. Timber Prod. B. 119:10-11. Feb.1953. 99.9 T482B

43208 TOOVEY, F. W. Oil palm research. N.M.B. Journal 1:12-19. Mar.1952. 24 N564
Culture.

43209 TSCHERMAK, L. Die fichte in Österreich. Internatl. Holzmarkt 43(26):13-15. Dec.20,1952. 99.81 In82

43210 VEIGA, A. DE A. Eucalyptus and Brasilian pine. (In Portuguese.) Soc. Rur. Bras. Rev. 32(383):38. Dec.1952. 9.2 B733
Culture.

FOREST MANAGEMENT AND FINANCE

43211 AMIDON, G. Planning for sustained yield operations. (Sum.) Pulp & Paper Mag. Canada 54(2):95. Feb.1953. 302.8 P96

43212 AMIDON, G. B. M & O forestry program. Pulp & Paper Mag. Canada 54(2):76-77. Feb.1953. 302.8 P96

43213 BARANOV, I. S., and KONCHITS, M. P. On the structure of forest management in Belorussian SSR. (In Russian.) Lesn. Khoz. 5(8):78. Aug.1952. 99.8 L5622

43214 BRAGINA, F. G. Improvement of accounting at MTSs and on kolkhozes for windbreak establishment. (In Russian.) Les i Step' 5:36-40. Jan.1953. 99.8 L565

43215 CHAMBLEE, G. V. Bladen Lakes State Forest. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.86-88. Raleigh, 1952. 279.9 C7633
Forest management.

43216 CORPENING, B. H. Mountains. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.82-85. Raleigh,1952. 279.9 C7633
Forest management.

43217 FALCHI, M. Particular aspects of forest arrangement in Sardinia. (In Italian.) Ricerca Sci. 22(4,sup. A):181-185. 1952. 475 It1
English summary.

43218 GAINES, E. M. Management problems on second-growth longleaf pine [Pinus palustris] forests. Ala. Acad. Sci. J. 21/22:23-26. Feb.1952. 500 AL12

43219 GORIACHEV, I. V. Is it necessary to transfer the forestry enterprises to cost accounting. (In Russian.) Lesn. Khoz. 5(8):70-74. Aug.1952. 99.8 L5622

43220 GRIFFITHS, P. A. Forest management and forest nurseries. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v. 1, p.72-75. Raleigh,1952. 279.9 C7633

43221 HILF, R. B. Das waldeigentum als geschichtliches problem. Allg. Forstz. 8:101-105. Feb.25,1953. 99.8 AL52

43222 HOUTERMANS. Wirtschaftlichter waldwegebau. Forstl. Mitt. 5:280,283. Dec.20,1952. 99.8 F7725

43223 JACOB, M. C. Regeneration of the Bonsum-Amari forests of Assam. Indian Forester 78:602-608. Dec.1952. 99.8 In2

43224 JAMES, N. D. G. A forestry letter. V. Hearts of oak. Land Agents' Soc. J 52:62-65. Feb.1953. 282.9 L22
Management of oak forests.

43225 JAMES, N. D. G. General estate forestry. Land Agents' Soc. J. 52:23-28. Jan.1953. 282.9 L22
Management in Great Britain.

43226 KALNIN'SH, A. I. Feasibility of increasing productivity of forests in the Latvian SSR. (In Latvian.) Latv. PSR Zinatnu Akad. Vest. 12:1903-1910. 1951. 511 R442

43227 KIENHOLZ, R. The role of forests in Connecticut. Conn. Woodlands 18:12-13. Jan.1953. 99.8 C76

43228 KLEPAC, D. L'aménagement des futaies régulières. (In Serbo-Croatian.) Glasnik za Sumske Pokuse 10:225-351. Ref. 1952. 99.1 Z1
French summary.

43229 LEIBER, L. Fragen des waldwegebaues. Allg. Forstz. 8:107. Feb.25,1953. 99.8 AL52

43230 LEROY, P. La forêt de Haguenau. III. Les exploitations. Rev. du Bois 7(12):16-18. Dec.1952. 99.82 R32

43231 MASON, D. T. Relation of changing economic conditions and other factors to forest practices on privately owned lands in the United States. (Sum.) Pulp & Paper Mag. Canada 54(2):92. Feb.1953. 302.8 P96

43232 MUKIN, A. On documents [maps and graphs] of operational management of forest conservation stations. (In Russian.) Lesn. Khoz. 5(11):83-84. Nov.1952. 99.8 L5622

43233 ORCHARD, C. D. Sustained yield forest management in British Columbia. (Sum.) Pulp & Paper Mag. Canada 54(2):96. Feb.1953. 302.8 P96

43234 PAQUET, L. H. Some views on woodlot management. Pulp & Paper Mag. Canada 54(2):78,81-82. Feb.1953. 302.8 P96

43235 PROKOPLJEVIĆ, N. Commenting on the article "Differential rent of site in forestry." (In Serbo-Croatian.) Sumarski List 76:400-403. Oct./Nov.1952. 99.8 Su6
English summary.

43236 PUTKISTO, K. Forest truck road or winter road for motor vehicles? (In Finnish.) Metsätaloudellinen Aikakauslehti 12:351-356. 1952. 99.9 F49
English summary.

43237 RAZOUS, P. La productivité en exploitation forestière en scierie et dans les industries du bois. Bois et Scieries 59:153,155. (Cont.) Feb.5,1953. 99.81 B632

43238 SCHOBER, R. Ertragstafel und forsteinrichtung. Forstwiss. Centbl. 72:1-13. Jan./Feb.1953. 99.8 F775

43239 SHAW, R. G. Wider use of forestry equipment. Food & Agr. Organ. United Nations. United Kingdom. Rpt. 1950/51:57. 1951. 389.9 G795

43240 SHERRILL, A. Five year management plan for a 2,000 acre forest. Forest Farmer 12(5):26-27. Feb. 1953. 99.8 F7692

43241 SKARPENGLAND, B. The most unruly is the most honest. What is the utilization value of forests? (In Norwegian.) Skogbrukeren 28:12-13. Jan.15,1953. 99.8 Sk54
Forest assessment.

43242 SMART, R. A. Sawtimber and Christmas tree management practices in young ponderosa pine-Douglas-fir stands. J. Forestry 51:192-194. Mar.1953. 99.8 F768
Montana.

43243 TUFTS, N. Owning and holding timber for profit. (Condensed.) Vt. Wood Prod. Conf. Rpt. 12:18-21. June 19,1952. 99.9 V594
Includes discussion.

43244 USHAKOV, V. P. What does the cost analysis of a growing stand indicate. (In Russian.) Les i Step' 4 (10):40-43. Oct.1952. 99.8 L565

43245 VIDAL. Ventes de bois sur pied et tendances des cours. Agr. Prat. 116:255-256. May 1952. 14 J82
France.

43246 WADSWORTH, F. H. Forest management in the Luquillo Mountains. III. Selection of products and silvicultural policies. Caribbean Forester 13:93-119. Ref. July 1952. 1.9622 T2C23
Text also in Spanish.

43247 WEBER-NISTITZ, F. K., and NEUHAUSER, H. Stellungnahmen zu: "Wo stehen wir in der praxis der waldbewirtschaftung." Allg. Forstz. 8:96-98. Feb.18, 1953. 99.8 AL52

43248 WEITBRECHT, P. Bewirtschaftungsprobleme in einem buntsandsteinrevier des hochschwarzwaldes. Allg. Forst- u. Jagdztg. 124:79-90. (Concl.) Jan.15,1953. 99.8 AL3

43249 WEITZMAN, S. Mine timbers—growth and harvest. W. Va. Conserv. 16(10):4-5,22-24. Dec.1952. 279.8 W524

43250 WHALEN, E. J. Management problems and research in the forests of southern and western New York. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 10:16-17. Feb.1953. 99.9 So13N

43251 WORRELL, A. C. Costs of practicing forestry in the South. South. Lumberman 186(2325):43-44. Feb.15, 1953. 99.81 So82

Farm Woodlands

43252 DAVIDS, R. C. Just like money in the bank. Farm J. 77(3):38-39. Mar.1953. 6 F2212
Forest products from farm woodlands.

43253 DAVIS, R. E. Measuring, marketing farm timbers. Forest Farmer 12(5):36-37,46. Feb.1953. 99.8 F7692

43254 DELISLE, R. Futaies et taillis après dix ans. Ferme 14(5):24,55. Jan.1953. 7 F38
Farm woodlands in Quebec.

43255 ECKMÜLLNER, O. Frischer wind in der bauernwaldfrage! Kärntner Bauer 102:643-645. Dec. 20,1952. 19 K14

43256 FORD, R. E. Tree plantings show value on farms and ranches. Colo. Agr. Col. Colo. A. & M. News 7(7):4-5. Jan.1953. 6 C713

43257 GROSSMANN, A. Der bauernwald. Allg. Forstztg. 64:32-33. Feb.1953. 99.8 AL53

43258 HASEL. Die aufgaben des bauernwaldes im wandel der zeit. Bad. Landwirt. Wchnbl. 120:33-34. Jan.3,1953. 18 B142

43259 KRONSKII, E. A. Young forests are emerging in the steppe. (In Russian.) Les i Step' 4(10):66-71. Oct. 1952. 99.8 L565
Achievements of collective farms in shelterbelt silviculture.

43260 KÜPPER, F. P. Windschutz tut not! Landwirt. Z. der Nord-Rheinprov. 120:39-41. Jan.10,1953. 18 L2344

43261 LUDVIGSEN, F. P. Management program for farm woods. (In Norwegian.) Skogen [Oslo] 18:6-8. 1953. 99.8 Sk56

43262 MEDING, VON. Zusammenschlüsse im privaten kleinwald. Deut. Landwirt.-Gesell. Mitt. 68:107-108. Jan.29,1953. 18 N39

43263 OREGON. STATE COLLEGE. FEDERAL COOPERATIVE EXTENSION SERV. Trees against the wind. Pacific Nowest. B. 5,31 p. Jan.1953. 275.29 W27Pn
Extension Services of the State College of Washington and the University of Idaho cooperating.

43264 PACKMAN, D. J. Farm forestry in Ontario. Econ. Annal. 23:5-10. Feb.1953. 281.8 Ec72

43265 SHMIDT, N. Plantings [of shelterbelts] on plots of collective farm production centers. (In Russian.) Sel'sk. Stroitel' 7(5):14-15. Sept./Oct.1952. 296.28 Se4

43266 SMITH, J. Windbreaks pay their way. Iowa Agr. 51(5):9,17. Jan.1953. 6 Io9

43267 STREYFFERT, and MALMBORG, VON. Farm forest economy. (In Swedish.) Skogen [Stockholm] 40:24-32. Feb.1,1953. 99.8 Sk51

43268 WALKER, J. Fifty years of tree planting. Country Guide 72(2):11,35. Feb.1953. 7 G76
Shelterbelts in the prairies of Canada.

43269 WEITZMAN, S. Management for farm forests. W. Va. Conserv. 16(11):20-23. Jan.1953. 279.8 W524

43270 WESTBERG, D. L. The Alabama farm forestry pilot plant study. (Abs.) Ala. Acad. Sci. J. 21/22:109-110. Feb.1952. 500 AL12

Mensuration, Surveying, Photogrammetry

43271 BAUGER, E. Volume tables for Scots pine in West-Norway. (In Norwegian.) Norway. Vestlandets Forstl. Forsøkssta. Meddel. 9:213-237. 1952. 99.9 N832
English summary.

43272 BOROWSKI, M. Effect of errors in rounding off diameters on volume of logs. (In Polish.) Sylwan 96: 269-282. July/Sept.1952. 99.8 Sy52
Russian summary.
Formula for tree measurement.

43273 CHASE, C. D., and GEVORKIANTZ, S. R. Volume in tops and limbs of sawlog trees. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 390,2 p. Jan.1953. 1.9 F7625T

43274 CHERNOBROVTSEV, M. S. Classification of trees by growth and development as applied to deciduous groves. (In Russian.) Lesn. Khoz. 5(11):42-44. Nov. 1952. 99.8 L5622

43275 IURRE, N. A. Inventory of forest crops. (In Russian.) Lesn. Khoz. 5(11):20-22. Nov.1952. 99.8 L5622

43276 KONDO, M. On the efficiency of sample plots of varying shape and size. (In Japanese.) Utsunomiya U. Col. Agr. B. 1:351-359. Mar.1952. 107.6 Ut7B
English summary.

43277 KONDO, M. On the so-called sample-tree method. (In Japanese.) Utsunomiya U. Col. Agr. B. 1: 340-350. Mar.1952. 107.6 Ut7B
English summary.

43278 LEVAKOVIC, A. Structure des peuplements—sa description analitique. (In Serbo-Croatian.) Glasnik za Sumske Pokuse 10:5-24. 1952. 99.1 Z1
French summary.

MANGNEY, M. Air photos aid forest manage-
nserv. Voluntter 15(90):36-37. Nov./Dec.1952.
65

43280 MØLLER, C. M., and NIELSEN, J. Testing of the Danish yield tables of 1933 for beech, oak and Norway spruce. (In Danish.) Dansk Skovfor. Tidsskr. 38:1-176. Jan.1953. 99.8 D23
English summary.

43281 OLLINMAA, P. J. The accuracy of some volume formulas and volume tables in the cubing of entire trunks. (In Finnish.) Metsätaloudellinen Aikakauslehti 1: 22-28. 1953. 99.9 F49

43282 ORCHARD, C. D. Cubic scale in B. C. Brit. Columbia Lumberman 37(2):43,89,92,94,96,98,100,104, 107. Feb.1953. 99.81 B77

43283 PETROV, V. T. Development and rate of growth of oak brush plantings in the steppe area. (In Russian.) Lesn. Khoz. 5(10):51-54. Oct.1952. 99.8 L5622

43284 SOKOLOV, V. S. Growth of pine in the group plantings of various density. (In Russian.) Agrobiologiia 6:104-106. Nov./Dec.1952. 20 Ag822
Tree measurement chiefly.

43285 STOFFELS, A. Le cubage des peuplements de pins sylvestres avec la méthode des tarifs. (In Dutch.) Nederland. Boschbouw-Tijdschr. 25:29-42. Ref. Feb. 1953. 99.8 N28
French summary.

43286 TOMASEGOVIC, Z. Weiterer beitrag zur direkten bestimmung von koordinatenunterschieden in polygonzügen. (In Serbo-Croatian.) Glasnik za Sumske Pokuse 10:199-224. 1952. 99.1 Z1
German summary.

43287 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST EXPERIMENT STATION. Volume tables for lodgepole pine in Oregon & Washington, based on diameter, height & form, by F. A. Johnson, Portland,1952. 32 p. 1.9622 P2V88

43288 VUOKILA, Y. Observations on inaccuracies in the callipering of trees. (In Finnish.) Metsätaloudellinen Aikakauslehti 12:357-358. 1952. 99.9 F49
English summary.

43289 ZHILKIN, B. D. Classification of trees by their productivity in stands of one-species and same age and method of using it. (In Russian.) Lesn. Khoz. 5(11): 35-41. Nov.1952. 99.8 L5622

Silviculture

43290 ADRIANOV, S. N. Effect of additional moisture and number of seedlings in the group on growth of oak. (In Russian.) Lesn. Khoz. 5(11):11-15. Nov.1952. 99.8 L5622

43291 AFANAS'EVA, E. A., and others. Silvicultural properties of southern Chernozem soils and growth of tree plantations on them. (In Russian.) Kompleksnaia Nauch. Eksped. po Voprosam Polezashch. Lesorazved. Trudy 2:7-122. Ref. 1952. 99.9 K832
S. N. Karandina, T. IA. Kissis, and I. N. Oloviannikova, joint authors.

43292 ARKHIPOVA, N. K., and ZGIRSKII, S. I. Experiment in shelterbelt silviculture in Azerbaijan. (In Russian.) Lesn. Khoz. 5(10):34-35. Oct.1952. 99.8 L5622

43293 DEVALL, W. B. Invasion of a longleaf pine [Pinus palustris] site by slash pine [P. caribaea] and inferior hardwoods. (Abs.) Ala. Acad. Sci. J. 21/22: 106-107. Feb.1952. 500 AL12

43294 DVORNIKOV, P. P. Toward a high adaptation of forest crops. (In Russian.) Lesn. Khoz. 5(8):5-10. Aug.1952. 99.8 L5622

43295 EISMONT, L. A. We're struggling for the full preservation of plantings. (In Russian.) Les i Step' 4(11): 79-80. Nov.1952. 99.8 L565
Silvicultural brigade of Zeremlianskoe Forestry Enterprise in Zhitomir Region.

43296 FEDOROV, P. F. Improvement of implements and machines for the cultivation of shelterbelts. (In Russian.) Les i Step' 4(10):44-48. Oct.1952. 99.8 L565

43297 GOLGOFSKAIA, K. IU. On growth of oak [Quercus robur] in the ravine forests in relation to forest type. (In Russian.) Akad. Nauk SSSR. Dok. 88:345-347. Ref. Jan.11,1953. 511 P444A

43298 GURVICH, S. S. D. I. Mendeleev on steppe silviculture. (In Russian.) Les i Step' 4(10):82-83. Ref. Oct.1952. 99.8 L565

43299 IRMAK, A. A summary of research on forest soils in Turkey. Istanbul. U. Facul. des Sci. Forest. P. 21:13-16. 1952. 99.9 Is72P

43300 KORIAKIN, D. A. Peculiarities of growth of oak in plantations developed by V. D. Cgievskii's method. (In Russian.) Lesn. Khoz. 5(11):16-19. Nov.1952. 99.8 L5622

43301 KRAHL-URBAN, J. Eichen- und buchen-plusbäume. Allg. Forstz. 8:69-72. Feb.4,1953. 99.8 AL52

43302 KRIVOSHEIN, L. N., and SEMENOVA, M. A. Data and documents on the history of silviculture in Russia. (In Russian.) Les i Step' 4(10):84-85. Oct.1952. 99.8 L565

43303 ORGANISATION FOR EUROPEAN ECONOMIC COOPERATION. American sylviculture and tropical forest problems. Technical assistance mission No. 18a, v.2. Paris,1952. 95 p. (OEEC Documentation) 99.12 Or3

43304 POLUÍÀKHTOV, K. K. Groves of the Sverdlov Region. (In Russian.) Lesn. Khoz. 5(12):24-26. Dec. 1952. 99.8 L5622

43305 PROKOPLJEVIĆ, N. Formes et espèces de travaux dans la production forestiére (production du bois sur pied). (In Serbo-Croatian.) Šumarstvo 5:197-201. May/June 1952. 99.8 Su63
French summary.

43306 RADIMIR, D. A silvicultural measure to which one does not pay sufficient attention in our country. (In Serbo-Croatian.) Sumarski List 76:416-418. Oct./Nov. 1952. 99.8 Su6

43307 REKUS, G. A. Shelterbelt silviculture on Bolshevik Collective Farm [in Azov District, Rostov Region]. (In Russian.) Les i Step' 4(11):70-73. Nov.1952. 99.8 L565

43308 ROE, E. I. Comparative height growth of native conifers in northeastern Minnesota. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 389,1 p. Jan.1953. 1.9 F7625T

43309 SALZMANN. Der anbau ausländischer holzarten im Sauerland. I. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:879-880. June 5,1952. 18 L2346

43310 SENDA, S., and others. Some aspects of growth in stands (a preliminary report)—an analysis on pine stands of different spacing. (In Japanese.) Tokyo U. Forests. B. 43:49-57. June 1952. 99.9 T57
K. Nakamura, S. Takahara, and T. Satoo, joint authors.
English summary.
Pinus densiflora.

43311 SMITH, G. E. Observations on managing hardwoods in the Delaware Valley of southern New Jersey. J. Forestry 51:189-191. Mar.1953. 99.8 F768

43312 SOEST, J. VAN. On permanent and temporary sample plots of the Forest Research Station T.N.O. (In Dutch.) Nederland. Boschbouw-Tijdschr. 25:43-45. Feb. 1953. 99.8 N28
English summary.

43313 SULLAND, A. Statistically correct research results. (In Norwegian.) Skogbrukeren 28:10-12. Jan.15, 1953. 99.8 Sk54
Cutting systems.

43314 TÍÛPENKO, ÍA. S. Shelterbelt silviculture in the arid steppe of the South-East, Chkalov Region. (In Russian.) Dostizheniía Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:59-64. Sept.1952. 20 D742

43315 TOTSENKO, V. P. Achievements of Varvara Starikova's squad [in pine culture on sandy massifs]. (In Russian.) Les i Step' 4(11):78-79. Nov.1952. 99.8 L565

43316 VYSTAVKIN, P. S. Shelterbelts of Odessa Region. (In Russian.) Les i Step' 4(11):73-77. Nov.1952. 99.8 L565
Silviculture.

Silvicultural Practices

43317 ALBÍÀKOV, M. P., and ELPAT'EVSKIĬ, M. P. A forest trench digger. (In Russian.) Lesn. Khoz. 5(10): 66-69. Oct.1952. 99.8 L5622
For drainage.

43318 AREND, J. L., and COULTER, L. L. Chemical frill girdling for pine release in Lower Michigan. Down Earth 8(4):2-4. Spring 1953. 381 D75

43319 BAKULIN, I. N. Theory and practice of improvement cutting. (In Russian.) Lesn. Khoz. 5(11):64-66. Nov.1952. 99.8 L5622

43320 BAUER, F. Die roteiche zwischen schwacher und starker durchforstung. Allg. Forstz. 8:108-109. Feb.25,1953. 99.8 AL52

43321 BELÍÀKOV, M. N. Utilization of manganese waste as a growth stimulator for trees. (In Russian.) Lesn. Khoz. 5(10):81. Oct.1952. 99.8 L5622

43322 BOE, K. N. Effects of slash disposal on lodgepole pine [Pinus contorta var. latifolia] regeneration. Mont. Acad. Sci. Proc. 12:27-33. 1952. 500 M762

43323 CHERTOLIN, P. P. On improvement cutting in the forest. (In Russian.) Lesn. Khoz. 5(11):66. Nov. 1952. 99.8 L5622

43324 DANNECKER, K. Femelschlag- und plenterbetrieb in der Schweiz ein problem von allgemein forstlicher bedeutung. Allg. Forstztg. 64:26-32. Feb.1953. 99.8 AL53

43325 DANNECKER, K. Um das plenterprinzip im hochgebirgswald. Allg. Forstztg. 64:37. Feb.1953. 99.8 AL53

43326 ELENEV, A. KLT-4,5B tri-sectional cultivator for forests. (In Russian.) Mashinno-Traktornaía Sta. 12(12):19-20. Dec.1952. 58.8 M11

43327 GEORGIEVSKII, N. P. In regard to Professor V. G. Nesterov's proposals on improvement cutting in the forest. (In Russian.) Lesn. Khoz. 5(11):51-58. Nov. 1952. 99.8 L5622

43328 GRACHEV, A. P. On Professor V. G. Nesterov's methods of improvement cutting. (In Russian.) Lesn. Khoz. 5(11):48-51. Nov.1952. 99.8 L5622

43329 GRISWOLD, N. B. Improvement cuttings as a means of increasing the value of forest lands in north-central Alabama. Ala. Acad. Sci. J. 21/22:30-32. Feb. 1952. 500 AL12

43330 HOLCOMB, C. J., and BICKFORD, C. A. Growth of yellow-poplar [Liriodendron tulipifera] and associated species in West Virginia, as a guide to selective cutting. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 52,28 p. Ref. 1952. 1.9622 N2St22

43331 ILVESSALO, Y. On the performance of thinning experiments. (In Finnish.) Metsätaloudellinen Aikakauslehti 12:331-334. 1952. 99.9 F49
English summary.

43332 IVANOV, N. For a very productive utilization of equipment in silvicultural work. (In Russian.) Lesn. Khoz. 5(8):66-69. Aug.1952. 99.8 L5622

43333 JOERGENSEN, C. A commercial thinning experiment in Douglas fir. Brit. Columbia. Forest Serv. Res. Notes 22,22 p. 1952. 99.9 B771

43334 JOHNSON, J. W. Delta timber lands thrive after undesirable trees are cut. Miss. Agr. Expt. Sta. Serv. Sheet 425,2 p. Jan.1953. 100 M69

43335 JOHNSON, J. W. 1940 improvement cutting experiment has resulted in good stand of sound trees. Miss. Farm Res. [Miss. Sta.] 16:1,8. Jan.1953. 100 M69Mi

43336 JOHNSON, R. S. Logging and utilization in spruce-fir in the East. (Sum.) Pulp & Paper Mag. Canada 54(2):91. Feb.1953. 302.8 P96

43337 KAZANSKII, N. A. Experiment in using new methods of improvement cutting. (In Russian.) Lesn. Khoz. 5(11):45-48. Nov.1952. 99.8 L5622

43338 LAZAREV, N. A. Regeneration of coniferous forests through concentrated cutting. (In Russian.) Lesn. Khoz. 5(12):30-31. Dec.1952. 99.8 L5622

43339 LITTLE, S. Prescribed burning as a tool of forest management in the Northeastern States. (Sum.) Pulp & Paper Mag. Canada 54(2):96. Feb.1953. 302.8 P96

43340 LITTLE, S. Silvicultural objectives and methods on upland sites in the New Jersey Pine Region. Bartonia 26:44-47. Dec.22,1952. 451 P532

43341 LONGWOOD, F. R. Results of improvement cutting in second-growth northern hardwoods in upper Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 386,1 p. Jan.1953. 1.9 F7625T

43342 MARTIN, S. C. Apparent kill of persimmon [Diospyros] and Sassafras by application of 2, 4-D and 2, 4, 5-T. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 132,8 p. Dec.1952. 1.9622 C3T222

43343 NESTEROV, V. G. New methods of improving the quality and productivity of forests. (In Russian.) Lesn. Khoz. 5(11):28-35. Nov.1952. 99.8 L5622
Improvement cutting chiefly.

43344 ORLOV, I. I. An essential remark in regard to biological reasons of improvement cutting by P. V. Voropanov's method. (In Russian.) Lesn. Khoz. 5(11):63. Nov.1952. 99.8 L5622

43345 SIBIRÌAKOVA, M. D. Resistance [to drought] of Picea crops during the biological method of care. (In Russian.) Lesn. Khoz. 5(8):27-28. Aug.1952. 99.8 L5622
Introduction of earthworms and fertilization with leaves.

43346 TIMOFEEV, A. F. Techniques of [forest] drainage systems. (In Russian.) Lesn. Khoz. 5(12):41-42. Dec.1952. 99.8 L5622

43347 VEIGA, A. DE A. Pruning in silviculture. (In Portuguese.) Soc. Rur. Bras. Rev. 32(382):60. Nov. 1952. 9.2 B733

43348 VOROB'EVA, A. M. Excellent care—basis of preservation of [oak] plantings. (In Russian.) Lesn. Khoz. 5(10):86. Oct.1952. 99.8 L5622

43349 VOROPANOV, P. V. A reply to the advocates of "pure" silvicultural practice. (In Russian.) Lesn. Khoz. 5(11):59-63. Nov.1952. 99.8 L5622
Discussion of N. P. Georgievskiĭ's ideas on improvement cutting.

43350 YOUNGBERG, C. T. Slash burning and soil organic matter maintenance. J. Forestry 51:202-203. Mar.1953. 99.8 F768

43351 ZIEGLER, H. Der plenterbetrieb in den fichten-reinbeständen des hochgebirges. Allg. Forstztg. 64:35-37. Feb.1953. 99.8 AL53

Seeding and Planting

43352 ABDURAZAKOV, V. On seeds of the principal tree species in Uzbekistan. (In Russian.) Lesn. Khoz. 5 (8):44-46. Aug.1952. 99.8 L5622

43353 ALEKSIEVICH, V. Successful experiment in growing seedlings of Siberian larch. (In Russian.) Lesn. Khoz. 5(12):77-78. Dec.1952. 99.8 L5622

43354 BAGLAĬ, E. A. Exotic plants on forest farms in Chernigov Region. (In Russian.) Lesn. Khoz. 5(12):56-57. Dec.1952. 99.8 L5622

43355 BINGHAM, R. T., SQUILLACE, A. E., and DUFFIELD, J. W. Breeding blister-rust-resistant western white pine. J. Forestry 51:163-168. Mar.1953. 99.8 F768

43356 BJØRN-HANSEN. Cultivation of hill pastures. (In Norwegian.) Skogen [Oslo] 18:1-3. 1953. 99.8 Sk56
Reforestation.

43357 BORCHERS. Die forstpflanzenzüchtung im rahmen der waldbaulichen planung. Allg. Forstz. 8:61-63. Feb.4,1953. 99.8 AL52

43358 BORISENKO, T. T. On the possibility of vegetative propagation of oak [Quercus robur] with single-bud shoots. (In Russian.) Akad. Nauk SSSR. Dok. 86:1045-1048. Ref. Oct.11,1952. 511 P444A

43359 BUCKLAND, D. C. Reforestation, one man's opinion. Brit. Columbia Lumberman 37(2):40-41,58,60, 62,66. Feb.1953. 99.81 B77

43360 BYKOVSKIĬ, V. A. Preplanting treatment of acorns with zinc phosphide in order to protect them from Siberian marmots and other rodents. (In Russian.) Vsesoĭuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(12):21-23. 1952. 20 Ak1

43361 CHAPMAN, G. W. Afforestation techniques in Cyprus. Unasylva 6:160-165. Dec.1952. 99.8 Un1

43362 CHEREPAKHA, F. G. Practices of the tractor brigade [of Salsk Forest Conservation Station] in planting and care of shelterbelts. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:53-56. Sept. 1952. 20 D742

43363 DERIUZHKIN, R. I. Geographical planting of pine in the Voronezh Region. (In Russian.) Lesn. Khoz. 5(12):33-34. Dec.1952. 99.8 L5622

43364 DEVALL, W. B. Factors affecting the establishment of longleaf pine [Pinus palustris] seedlings from the 1947 seed crop. Ala. Acad. Sci. J. 21/22:16-20. Feb.1952. 500 AL12

43365 DEVALL, W. B. The story of 100 seed; Auburn seeking way to produce more and better trees in less time. Ala. Lumberman 5:12-13,26. Jan.1953. 99.81 AL1

43366 EDWARDS, M. V. The effects of partial soil sterilization with formalin on the raising of Sitka spruce and other conifer seedlings. Gt. Brit. Forestry Comn. Forest Rec. 16,20 p. 1952. 99.9 G795Fo

43367 EVDOKIMOV, D. V. Group planting in squares method of growing forest crops. (In Russian.) Lesn. Khoz. 5(10):77. Oct.1952. 99.8 L5622

43368 FESHCHENKO, P. I. To intensify the inspection of forest seed quality. (In Russian.) Lesn. Khoz. 5(10):65. Oct.1952. 99.8 L5622

43369 FIL'BERT, P. A. Method of developing shelterbelts by planting seeds on dark Chestnut soils. (In Russian.) Lesn. Khoz. 5(10):77-78. Oct.1952. 99.8 L5622

43370 GAINES, E. M. Scrub oak as a nurse crop for longleaf pine [Pinus palustris] on deep sandy soils. (Abs.) Ala. Acad. Sci. J. 21/22:107-108. Feb.1952. 500 AL12

43371 GARIN, G. I. Establishment of loblolly [Pinus taeda] and shortleaf pine [P. echinata] reproduction on a clearcut strip. Ala. Acad. Sci. J. 21/22:20-23. Feb.1952. 500 AL12

43372 GIPERBOREJSKI, B. Tree species for afforestation of Dalmatian Karst lands. (In Serbo-Croatian.) Sumarski List 76:390-400. Oct./Nov.1952. 99.8 Su6
German summary.

43373 GOISLARD, P. H. Le reboisement en France. Forêt Conserv. 19:21-22. Jan.1953. 99.8 F792

43374 GOLIKOV, A. I. Use of method of dense forest plantings in the mountain forests of the Caucasus. (In Russian.) Lesn. Khoz. 5(12):15-17. Dec.1952. 99.8 L5622

43375 GRACHEV, A. G. Standardizing the quota for planting acorns. (In Russian.) Lesn. Khoz. 5(12):62-63. Dec.1952. 99.8 L5622

43376 GRISHCHENKO, G. L., and SLOVTSOV, A. M. To store forest seeds only of high quality. (In Russian.) Lesn. Khoz. 5(8):46-50. Aug.1952. 99.8 L5622

43377 GURSKII, A. V., and OSTAPOVICH, L. F. Forms of natural regeneration of the woody vegetation [forest trees and shrubs] in mountainous Badakhshan. (In Russian.) Agrobiologiia 6:106-110. Nov./Dec.1952. 20 Ag822

43378 HOPPENSTEDT. Die bedeutung des saatgutes in der forstwirtschaft. Landwirtbl. Weser-Ems 100:165-166. Feb.12,1953. 18 L2345

43379 HOSIE, R. C. Forest regeneration in Ontario. Roy. Canad. Inst. Proc. (ser.3a)17:33-34. 1951/52. 517 T63P

43380 HUSS, E. Viability of pine and spruce seed in 1952. (In Swedish.) Skogen [Stockholm] 40:9*-10*. Jan. 15,1953. 99.8 Sk51.

43381 ISAAKIAN, A. E. Planting [tree] seeds in trenches. (In Russian.) Lesn. Khoz. 5(8):81-82. Aug. 1952. 99.8 L5622

43382 ISSINSKIĬ, P. A. Regeneration of oak in the forests of the Black Sea Coast. (In Russian.) Lesn. Khoz. 5(10):54-56. Oct.1952. 99.8 L5622

43383 IUNASH, G. G. Autumn planting of oak with sprouted acorns. (In Russian.) Les i Step' 4(11):33-37. Nov.1952. 99.8 L565

43384 IVASHIN, D. S. Natural regeneration of denuded forest areas in the Southern Urals. (In Russian.) Lesn. Khoz. 5(12):27-29. Dec.1952. 99.8 L5622

43385 IVCHENKO, S. I. Bird cherry [Prunus avium]—into the shelterbelt plantations. (In Russian.) Lesn. Khoz. 5(10):44-46. Oct.1952. 99.8 L5622
Planting chiefly.

43386 JOVANOVIĆ, S. La fumure microbiologique des pépinières forestères et des cultures forestières. (In Serbo-Croatian.) Šumarstvo 5:212-215. May/June 1952. 99.8 Su63
French summary.

43387 KHARLAMOV, G. I. Forest seeds—most important factor in the success of steppe silviculture. (In Russian.) Lesn. Khoz. 5(8):39-42. Aug.1952. 99.8 L5622

43388 KHLATIN, S. I. Regeneration of forests under Siberian forest zone conditions. (In Russian.) Lesn. Khoz. 5(12):31-33. Dec.1952. 99.8 L5622

43389 KLEINSCHMIDT, R. Aus der züchtungsarbeit im lehrforstamt Escherode. Allg. Forstz. 8:72-74. Ref. Feb.4,1953. 99.8 AL52

43390 KRIVKOVA, Z. V. Planting acorns and care of young stands. (In Russian.) Lesn. Khoz. 5(10):84-85. Oct.1952. 99.8 L5622

43391 KURILO, I. I. Preparation of [forest] seeds for planting. (In Russian.) Lesn. Khoz. 5(8):58-59. Aug. 1952. 99.8 L5622
Stratification.

43392 KUTSUBIN, and AGEEV. Experiments in growing and care of cork oak [Quercus suber]. (In Russian.) Lesn. Khoz. 5(8):33. Aug.1952. 99.8 L5622
Vegetative propagation.

43393 KUZNETSOV, G. S. On norms of sowing tree and shrub seeds for the forest nurseries in Stalingrad Region. (In Russian.) Lesn. Khoz. 5(8):51-54. Aug.1952. 99.8 L5622

43394 LANGNER, W. Die aufgabe der forstgenetik und forstpflanzenzüchtung. Deut. Baumsch. 5:4-9. Jan.1, 1953. 80 D486

43395 LHOTA, O., and MAŘAN, B. Instructions for reforestation and for developing windbreaks. (In Czech.) Za Socialist. Zeměděl. 2:1266-1287. Nov.1952. 19.5 Z1

43396 LOKHOV, V. P. Reasons for drying up of plantings in the Buzuluk pine grove. (In Russian.) Lesn. Khoz. 5(12):17-20. Dec.1952. 99.8 L5622

43397 LOZOVOĬ, A. A. Certificate on planting stock in [forest] nurseries. (In Russian.) Lesn. Khoz. 5(10):64. Oct.1952. 99.8 L5622

43398 LUCKE, H. Erfahrungen bei der plusbaumauswahl. Allg. Forstz. 8:67-69. Feb.4,1953. 99.8 AL52

43399 LUK'IANOV, A. K. Method of storing poplar cuttings for planting under conditions of the Ural River valley flood plain. (In Russian.) Lesn. Khoz. 5(12):80. Dec.1952. 99.8 L5622

43400 L'VOV, P., PASTUKHOVA, P., and VISHNIAKOVA, A. Seed tree groups during mechanized hauling. (In Russian.) Lesn. Promysh. 12(11):16-17. Nov.1952. 99.82 L56

43401 MCDERMOTT, R. E. Light as a factor in the germination of some bottomland hardwood seeds. J. Forestry 51:203-204. Mar.1953. 99.8 F768

43402 MAGUIRE, W. P. Some observations on the use of the transpiration inhibitor "plantcote" on lifted tree seedlings. Tree Planters' Notes 12:15-17. Nov. 1952. 1.962 C5T71

43403 MARAKULIN, I. V. Autumnal group planting of oak with split and sprouted acorns in White Russian SSR. (In Russian.) Lesn. Khoz. 5(8):19-23. Aug.1952. 99.8 L5622

43404 MEYER. Pfropfmethoden mit waldbäumen. Allg. Forstz. 8:66-67. Feb.4,1953. 99.8 AL52

43405 MEYER, H. Uber die beweggründe für die anlage von Douglasienplantagen. Allg. Forstz. 8:74-76. Feb.4,1953. 99.8 AL52

43406 MORON, I. El vivero como empresa. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(448):4,14. (Cont.) Dec.31,1952. 9.9 G15B

43407 MOROZOV, I. Utilization of willows in the afforestation of river beds and reservoirs. (In Russian.) Lesn. Khoz. 5(10):36-38. Oct.1952. 99.8 L5622

43408 MOROZOV, V. A. Choice of nurse crop. (In Russian.) Les i Step' 4(10):78-79. Oct.1952. 99.8 L565
Quercus planting under shelter of corn.

43409 NAKAMURA, K., SATOO, T., and GOO, M. Influence of parent Cryptomeria trees upon the progeny. III. (In Japanese.) Tokyo U. Forests. B. 43:39-47. June 1952. 99.9 T57
English summary.

43410 NENASHEV. Growing pine in Omsk Region. (In Russian.) Lesn. Khoz. 5(10):79-80. Oct.1952. 99.8 L5622

43411 NIKITENKO, N. A. Winter storage of seedlings [in forest nurseries]. (In Russian.) Lesn. Khoz. 5(10):82. Oct.1952. 99.8 L5622

43412 NOSKOV, V. I. Importance of collecting pine seeds by forest types. (In Russian.) Lesn. Khoz. 5(8):54-56. Aug.1952. 99.8 L5622

43413 NYHOLM, J. Impressions from a visit to Swedish forest tree nurseries. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 74:22-30. Feb.10,1953. 11 H35

43414 OGIEVSKIĬ, V. V. Organization of forest seed plots in the pine groves. (In Russian.) Lesn. Khoz. 5(10): 62-63. Oct.1952. 99.8 L5622

43415 OLBRICH, A. Breitsaat oder rillensaat? Deut. Baumsch. 5:10-12. Jan.1,1953. 80 D486
Pinus sylvestris.

43416 ORLOV, F. B., and VESNIN, V. M. Greater attention to the regeneration of northern forests. (In Russian.) Lesn. Khoz. 5(11):72-74. Nov.1952. 99.8 L5622

43417 OSTROM, C. E. More and better trees, the activities of the Committee on Southern Forest Tree Improvement. South. Lumberman 186(2326):35-36. Mar.1, 1953. 99.81 So82

43418 PARIĬ, F. D. In the effort for a high adaptation of plants. (In Russian.) Lesn. Khoz. 5(10):88-89. Oct. 1952. 99.8 L5622
Planting and care of trees.

43419 PEJOSKI, B. About the number of grains in fruit of Juniperus excelsa. (In Serbo-Croatian.) Sumarski List 76:408-413. Ref. Oct./Nov.1952. 99.8 Su6
French summary.

43420 PIATNITSKIĬ, S. S. Mass reproduction of hybrid acorns. (In Russian.) Lesn. Khoz. 5(8):42-44. Aug.1952. 99.9 L5622
Quercus pollination.

43421 PICHEL, B. J. The cypress in reforestation. (In Portuguese.) Soc. Rur. Bras. Rev. 32(383):36. Dec. 1952. 9.2 B733
Culture.

43422 POBEDINSKIĬ, A. V. Seed trees and tree group screen plots on clearings with mechanized logging. (In Russian.) Lesn. Khoz. 5(11):90-92. Nov.1952. 99.8 L5622

43423 PODHORSKI, I. About sycamore and raising of its seedlings. (In Serbo-Croatian.) Sumarski List 76: 376-390. Ref. Oct./Nov.1952. 99.8 Su6
French summary.

43424 PRAVDIN, L. F. Acorn storage in ice storehouses of M. M. Krylov's system. (In Russian.) Lesn. Khoz. 5(11):86-90. Nov.1952. 99.8 L5622

43425 RALSTON, R. A. Some effects of spacing on jack pine [Pinus banksiana] development after 25 years. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 388,1 p. Jan.1953. 1.9 F7625T

43426 RAMBO, R. Forest seedling stock goes up; planting prospects brighter. Outdoor Ind. 20:6,10. Jan. 1953. 279.8 Ou82

43427 RIABININ, V. P. For a high quality of stored forest seeds. (In Russian.) Lesn. Khoz. 5(8):50-51. Aug. 1952. 99.8 L5622

43428 ROHMEDER, E. Wie sichern waldbäume die erhaltung ihrer art? Umschau 53:105-108. Feb.15,1953. 474 Um7

43429 RUBTSOV, N. I. Propagation of spruce [Picea] by cuttings. (In Russian.) Bot. Zhur. 37:685-687. Sept./Oct.1952. 451 R923

43430 SAATCIOĞLU, F. Importance and methods of afforestation in Turkey, a general view. Istanbul. U. Facul. des Sci. Forest. P. 21:17-23. 1952. 99.9 Is72P

43431 SAKHAROV, IU. I. Rotary implements for cultivation of seeded and planted forests. (In Russian.) Les i Step' 4(10):52-54. Oct.1952. 99.8 L565

43432 SAZONOV, I. N. For a high agricultural technique in group sowing of oak. (In Russian.) Sovet. Agron. 11:50-55. Jan.1953. 20 So84

43433 SEPULVEDA D., J. M. Plantaciones de pinos en Bio-Bio. Simiente 22:213-217. Jan./June 1952. 9.3 Si4
Planting.

43434 SCHMUCKER, T. Gedanken über forstpflanzenzüchtung am beispiel der fichte. Allg. Forstz. 8:63-65. Feb.4,1953. 99.8 AL52
Picea abies.

43435 SHERVARLI, P. D. Growing oak in Tadzhikistan nurseries. (In Russian.) Lesn. Khoz. 5(12):14. Dec. 1952. 99.8 L5622

43436 SODERSTROM, V. Time studies in forest planting. (In Swedish.) Skogsägaren 29:18,20. Jan. 1953. 99.8 Sk55

43437 SOLJANIK, I. A contribution to the study of preparatory treatment of forest soils intended for artificial restocking afforestation. (In Serbo-Croatian.) Sumarski List 76:364-376. Ref. Oct./Nov.1952. 99.8 Su6

43438 STEFANSSON, E. On the problem of collecting and extracting seed from pine cones. II. (In Swedish.) Skogen [Stockholm] 40:6*-8*. Jan.15,1953. 99.8 Sk51

43439 STONE, E. L. The progress and needs of planting research in New York. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 10:14-16. Feb.1953. 99.9 So13N

43440 TOMASHEVSKIĬ, B. K., and SHITKO, A. E. Mechanization of wide-row sowing of pine in the forest nurseries. (In Russian.) Les i Step' 4(11):61-62. Nov. 1952. 99.8 L565

43441 TSULAIA, V. I. Vegetative propagation of eastern plane tree [Platanus orientalis]. (In Russian.) Les i Step' 4(10):76-78. Oct.1952. 99.8 L565

43442 U. S. FOREST SERV. Forest and shelterbelt planting in the United States during 1952. Tree Planters' Notes 13,8 p. Jan.1953. 1.962 C5T71
Statistics.

43443 U. S. FOREST SERV. Forest tree nurseries of the United States 1952; location and ownership, name of resident nurseryman, production in fiscal year 1952. Tree Planters' Notes 13,25 p. Jan.1953. 1.962 C5T71

43444 WYCOFF, H. B. Green manure crop causes seedling mortality. Tree Planters' Notes 12:9-10. Nov. 1952. 1.962 C5T71
Forest nurseries for Coniferae.

43445 ZASADA, Z. A. Reproduction on cut-over swamplands in the Upper Peninsula of Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Paper 27,15 p. Dec.1952. 1.9622 L2St2

43446 ZHELTIKOVA, T. A., and MIKHAĬLOVA, E. V. Increased production of irrigated nurseries in Central Asia. (In Russian.) Lesn. Khoz. 5(12):59-62. Dec.1952. 99.8 L5622

43447 ZHIVAEV, N. Shelterbelt planting on a collective farm in the Volga Area. (In Russian.) Kolkhoz. Proizvodstvo 13:26-27. Jan.1953. 281.8 K83

Forest Protection and Damage

43448 ACATAY, G. Necessity to improve pastures to reach efficient forest protection. Istanbul. U. Facul. des Sci. Forest. P. 21:24-25. 1952. 99.9 Is72P

43449 ARRIGHI, A. A. La defensa del patrimonio forestal argentino. Res 21:27785-27786. Feb.5,1953. 286.85 R31

43450 BASHENINA, N. V., and KUCHERUK, V. V. In regard to methods for controlling small rodents in the shelterbelts. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):3-11. 1952. 511 M85

43451 BINDSEIL. Rinde, die mutter des holzes. Holz-Zentbl. 79:170-171. Feb.7,1953. 99.81 H742

43452 DARROW, R. W. Overbrowsing. N. Y. State Conserv. 7(4):8-10. Feb./Mar.1953. 279.8 N48
By deer.

43453 FROHLICH, J. Zur wald- und weidefrage in den Alpen. Allg. Forstztg. 64:34-35. Feb.1953. 99.8 AL53

43454 INUKAI, T., and WAKAZONO, T. On the damage done by the vole in the reforesting area at Ichinohashi, Teshio of Hokkaido and a consideration on the vole damage in Hokkaido in general. (In Japanese.) Hokkaido U. Fac. Agr. Mem. 1:127-131. Ref. 1952. 107.6 H682
English summary.

43455 KOLEHMAINEN, V. A. Squirrel attacks upon larch. (In Finnish.) Metsätaloudellinen Aikakauslehti 1: 15. 1953. 99.9 F49

43456 KORNEV, V. P. Snow cover--a sure protection of oak against freezing. (In Russian.) Les i Step' 4(11): 68-70. Nov.1952. 99.8 L565

43457 KREFTING, L. W. Deer damage to a jack pine [Pinus banksiana] plantation in Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Notes 387,1 p. Jan.1953. 1.9 F7625T

43458 POLOSUKHIN, G. G., and MODIN, G. V. Methods of protecting shelterbelts from hares. (In Russian.) Les i Step' 4(11):84-85. Nov.1952. 99.8 L565

43459 PRIAULX, A. W. Nature on the rampage. Amer. Forests 59(3):20-22,36-39. Mar.1953. 99.8 F762
Blowdown and Dendroctonus pseudotsugae in Oregon and Washington.

43460 ROBLES, L. R. La lucha por el bosque. Mensajero Forest. 99:6,38-39. Nov./Dec.1952. 99.8 M522

43461 SCHUBERT, G. H. Ponderosa pine cone cutting by squirrels. J. Forestry 51:202. Mar.1953. 99.8 F768

43462 STEINGASS, K. P. Ein rotwildrevier sucht sein pflanzenschutzverfahren. Forstl. Mitt. 5:157-158. July 20,1952. 99.8 F7725
Repellents.

43463 TEMPLIN, E. Abwehr der hasen- und wildkaninchenschäden mit mechanischen und chemischen mitteln. Wald 2:356-358. Dec.1952. 99.8 W143

43464 USTINOV, A. A. Machine for setting up mechanical protection [for forest crops] on sands. (In Russian.) Les i Step' 4(11):59-60. Nov.1952. 99.8 L565

43465 VAN DRESSER, C. Abuses under the mining laws: profiteering with impunity. Amer. Forests 59(3):9, 30-31. Mar.1953. 99.8 F762

43466 VAN DRESSER, C. Abuses under the mining laws: two determined women. Amer. Forests 59(2):20-22. Feb.1953. 99.8 F762

Fire

43467 DILLON, J. C. Forest protection in Ontario. Canad. Geog. J. 46:42-59. Feb.1953. 470 C162

43468 FORBES, R. H. Buzzing forest fires by airplane. Lumberman 80(3):64-65. Mar.10,1953. 99.81 W52

43469 GARCIA ESCUDERO, P. El seguro de incendios en los montes. Montes 8:405-411. (Cont.) Nov./Dec.1952. 99.8 M763

43470 P'IAVCHENKO, N. I. Reasons why burned-over forest areas become swampy. (In Russian.) Lesn. Khoz. 5(12):39-40. Dec.1952. 99.8 L5622

43471 POTLATCH TIMBER PROTECTIVE ASSOCIATION. Combined annual report, 1951-1952. Potlatch? Idaho,1952. 69 p. 99.9 P84
Chiefly fire control.

43472 SEKIKAWA, B. On forest-fire insurance. (In Japanese.) Norin Jihō 12(2):13-15. Feb.1953. 22.5 N772

43473 SIMSKII, A. M. Forest fire chemical stations. (In Russian.) Lesn. Khoz. 5(8):60-61. Aug.1952. 99.8 L5622

43474 SOUTHERN ST. LAWRENCE FOREST PROTECTIVE ASSOCIATION. Thirty-sixth annual report 1952. Val-Brillant,Quebec,1952. 42 p. 99.9 So86
Chiefly fire control.

43475 TORBET, E. R. Fire protection in Victoria. Austral. Timber J. 18:749-750,753-754,757-758,760,762, 764. Oct.1952. 99.81 Au7

43476 WINKWORTH, R. C. Forest fire control and forestry problems: Coastal Plain. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.76-78. Raleigh,1952. 279.9 C763

43477 WISCONSIN. STATE CONSERVATION DEPT. Forest fires and forest-fire control in Wisconsin, by J. A. Mitchell and N. LeMay. St. Paul,1952. 75 p. 99.51 W752
In cooperation with U. S. Forest Service. Lake States Forest Experiment Station.

Forest Influences

43478 BAUER, L. Die rolle des waldes im wasserhaushalt der natur. Urania 16:64-69. Feb.1953. 474 UrL

43479 BUBANI, D. The arrangement of the mountain basins and the reafforestation in the Apennines range of Emilia and Romagna. (In Italian.) Ricerca Sci. 22(4,sup. A):169-179. 1952. 475 It1
English summary.

43480 BURNATSKII, D. P. Effect of shelterbelts on the air climate near the ground, soil and yields of agricultural crops. (In Russian.) Akad. Nauk SSSR. Inst. Fiziol. Rast. im. K. A. Timiriazeva. Voprosy Travopol'noĭ Sistemy Zeml. 1:24-57. 1952. 33.31 Ak13

43481 CEBALLOS, L., and ORTUÑO, F. El bosque y el agua en Canarias. Montes 8:418-423. Nov./Dec.1952. 99.8 M763

43482 HAIMES, B. J. The hungry steppes. Amer. Forests 59(3):24-25,47-48. Mar.1953. 99.8 F762
Russian desert.

43483 KALASHNIKOV, A. F. Effect of shelterbelts on soil moisture and yields of winter wheat. (In Russian.) Agrobiologiia 6:123-130. Nov./Dec.1952. 20 Ag822

43484 KOSHCHEEV, A. L. Importance of woody vegetation in moistening and drying of soils in forest clearings. (In Russian.) Akad. Nauk SSSR. Dok. 87:297-299. Nov.11,1952. 511 P444A

43485 LHOTA, O., and UHLÍŘ, P. Influence of windbreaks upon climate and agricultural production. (In Czech.) Za Socialist. Zeměděl. 2:1249-1258. Nov. 1952. 19.5 Z1

43486 MASLENNIKOV, S. A. Creation of the Voronezh—Rostov-on-Don government shelter belt. (In Russian.) Lesn. Khoz. 5(12):5-8. Dec.1952. 99.8 L5622
Reforestation policies.

43487 MUHAMMAD, K. A note on the afforestation of shifting sand dunes area in the Thal (desert) area of the Punjab. Pakistan J. Forestry 2:276-279. Oct.1952. 99.8 P17

43488 NĚMEC, F., and RYŠKA, A. Climatic and hydrologic importance of forests in agriculture. (In Czech.) Za Socialist. Zeměděl. 2:1243-1249. Nov.1952. 19.5 Z1

43489 OBERLANDER. Wald und wasser. Unser Wald 6:8,10. Jan.1953. 99.8 Un7

43490 PAVARI, A. The management of forests. (In Italian.) Ricerca Sci. 22(4,sup.A):135-149. 1952. 475 It1
English summary.
Flood control by reforestation.

43491 SOKOLOV, D. D. Strengthening and afforestation of the Terek-Kuma sands. (In Russian.) Les i Step' 4(12):7-14. Dec.1952. 99.8 L565

43492 WOODRUFF, N. P., and ZINGG, A. W. Wind tunnel studies of shelterbelt models. J. Forestry 51:173-178. Mar.1953. 99.8 F768

43493 ZEMLIANITSKII, L. T. Effect of shelterbelts on change of Chestnut soils. (In Russian.) Lesn. Khoz. 5(11):67-72. Nov.1952. 99.8 L5622

Miscellaneous Forest Uses

43494 MOSSER, H. Der genossenschaftsförster. Allg. Forstztg. 64:33-34. Feb.1953. 99.8 AL53
Forestry and wildlife.

43495 PIKE, G. W. Recreation plans for the Superior National Forest. (Abs.) Pulp & Paper Mag. Canada 54 (3):304,306. 1953. 302.8 P96

43496 SCOTT, D. R. M., and FOWLE, C. D. The coordination of silvicultural systems and wildlife management. (Sum.) Pulp & Paper Mag. Canada 54(2):94-95. Feb.1953. 302.8 P96

43497 SWIFT, E. Examples of wildlife habitat betterment through modifications of forest practices in the Lake States. (Sum.) Pulp & Paper Mag. Canada 54(2):84, 86. Feb.1953. 302.8 P96

43498 WAGAR, J. V. K. An analysis of the wilderness and natural area concept. J. Forestry 51:178-183. Ref. Mar.1953. 99.8 F768

FOREST INDUSTRIES AND TRADE

43499 BEEKMAN, W. B. Wood from the Ivory Coast to the Netherlands. (In Dutch.) Houthandel 5:400. Jan.16, 1953. 99.81 H81

43500 BRAEUER, J. Die verkaufs- und zahlungsbedingungen für die holzverkäufe aus bayerischen staatswaldungen. Holz-Zentbl. 79:207. Feb.14,1953. 99.81 H742

43501 CHAPMAN, P. W. Forest industries move South. Prog. Farmer, Tex. Ed. 68(3):62,64-65. Mar. 1953. 6 T311

43502 CONKLIN, E. W. Sell to survive. Canada Lumberman 73(3):56. Mar.1953. 99.81 C16

43503 DIETRICH, A. Die regionalen strukturwandlungen in der skandinavischen ausfuhr von holzprodukten. Wirtschaftsdienst 33:54-56. Jan.1953. 280.8 W74
Lumber, cellulose, and paper.

43504 DUBRET, R. Malaises; les exportations. Bois et Scieries 59:150-151. Feb.5,1953. 99.81 B632
Lumber.

43505 GAINES, H. D. Trade trends. Canada Lumberman 73(3):54-55. Mar.1953. 99.81 C16

43506 GALLEGO QUERO, F. La evolución de precios en el mercado internacional de maderas. Montes 8: 483-485. (Cont.) Nov./Dec.1952. 99.8 M763

43507 GARRATT, G. A. Connecticut industry's stake in her forests. (Sum.) Conn. Woodlands 18:11. Jan.1953 99.8 C76

43508 GLÜCK. Zur holzmarktlage. (Sum.) Internatl. Holzmarkt 43(26):11-13. Dec.20,1952. 99.81 In82

43509 GOLDENSTERN. Die rundholzmarktlage mit berücksichtigung des holzimportes. Landwirtbl. Weser-Ems 100:139-140. Feb.5,1953. 18 L2345

43510 HANDEL-MAZZETTI, P. Die entwicklung der forst- und holzwirtschaft 1952 und die aussichten für 1953. Internatl. Holzmarkt 44:5-6. Jan.10,1953. 99.81 In82
Wood and paper trade.

43511 HANGER, M. R. Electric energy use in primary wood manufacture in the Douglas fir region. Timberman 54(5):54-60. Mar.1953. 99.81 T484

43512 HEINRICHS, W. Was tut sich bei uns und anderswo? Holz-Zentbl. 79:223. Feb.17,1953. 99.81 H742
Wood import and export.

43513 JAGERSCHMIDT. Production et consommation du bois. Forêts de France et Action Forest. 43:17,23. Dec.1952. 99.9 F315

43514 LIAUTEY, A. L'exportation des bois français. Rev. Internatl. du Bois 20(175):3,5,9. Jan.1953. 99.8 R326

43515 THE LUMBERMAN'S handbook and directory of the Southern forest industries 1953. n.p.,1952. 244 p. 225 L972

43516 SCHALTENBRAND, W. Vente des coupes de bois de l'exercice 1952/53 à Montbéliard (France). Forêt 6:51-53. Dec.1952. 99.8 F7683

43517 SPEER, J. Zur holzpreisentwicklung in Westdeutschland. Wald u. Holz 34:90-96. Jan.1953. 99.8 W14

43518 STEPHENSON, W. J. W. I. Das "Houtvoorlichtings-Instituut," Amsterdam. Internatl. Holzmarkt 43(26):25. Dec.20,1952. 99.81 In82

Lumbering

43519 BARBER, O. The lady and the lumberjack. New York,Crowell,1952. 250 p. 99.76 B23

43520 BENVENUTI, G. Accident insurance for persons engaged in the cutting or felling of trees and their transportation. (In Italian.) Previdenza Sociale nell'Agr. 3:255-264. Dec.1952. 281.8 P92

43521 CROWE, W. S. Historical notes on Michigan's lumber industry. 12. Timber Prod. B. 119:6-7. Feb. 1953. 99.9 T482B

43522 DEABAY, H. J. Selling safety to woodsmen. Timber Prod. B. 119:8-9. Feb.1953. 99.9 T482B

43523 HAKKARAINEN, A. E. The development of truck transportation of timber and the Automobile Act. (In Finnish.) Metsätaloudellinen Aikakauslehti 1:11-14. 1953. 99.9 F49
English summary.

43524 NESBITT, J. K. Statistical story of 1952 forests. Brit. Columbia Lumberman 37(2):38,107. Feb. 1953. 99.81 B77

43525 SMIRNOV, I. I. To improve the operational planning in logging enterprises. (In Russian.) Lesn. Promysh. 12(11):29-31. Nov.1952. 99.82 L56

Lumbering Equipment

43526 ADAIR, N. T. Basic suggestions for the care and filing of chains on power saws. Pulp & Paper Mag. Canada 54(3):279-283. 1953. 302.8 P96

43527 BAKONINA, N. A. Floating crib pier for storage booms. (In Russian.) Lesn. Promysh. 12(10):23-24. Oct.1952. 99.82 L56

43528 BELAIA, N. M. A funicular railway with automotive winch for transporting logs. (In Russian.) Lesn. Promysh. 12(11):4-7. Nov.1952. 99.82 L56

43529 BREDELEV, N. V. Ring lock of [log] hauling cables. (In Russian.) Lesn. Promysh. 12(12):16. Dec. 1952. 99.82 L56

43530 BURROUGHS, R. D. The big wheels. Amer. Forests 59(2):16-18,43. Feb.1953. 99.8 F762

43531 CHIKOV, IA. I., and PIIR, A. I. A [log] loading winch operated by the wheels of the truck. (In Russian.) Lesn. Promysh. 12(11):13-16. Nov.1952. 99.82 L56

43532 COOKMAN, J. H. The Fitchburg wood ch. Vt. Wood Prod. Conf. Rpt. 12:3-4. June 19,1952. 99.9 V594

43533 IAKOVLEV, G. S. Complex mechanization [in logging] at Novo-Ialinsk forestry enterprise. (In Russian.) Lesn. Promysh. 12(10):7-11. Oct.1952. 99.82 L56

43534 JUTA, E. H. P. Mechanized logging. (In Dutch) Rimba Indonesia 1:183-188. Nov.1952. 99.8 R46
English summary.

43535 KOKOREV, V. I. Self-unlocking chokers on log hauling windlasses. (In Russian.) Lesn. Promysh. 12(12):17. Dec.1952. 99.82 L56

43536 OSSIPOW, A. I. Vereinfachte elektrische kettensägen. Deut. Agrartech. 2:278-280. Sept.1952. 58.8 D482

43537 PARFENOV, G. M. Efficient utilization of machinery [in logging]. (In Russian.) Lesn. Promysh. 12(10):11-13. Oct.1952. 99.82 L56

43538 RESHETOV, A. V. Truck electric cranes for loading logs. (In Russian.) Lesn. Promysh. 12(10):13-15. Oct.1952. 99.82 L56

43539 SHAW, R. G. Extraction of thinnings by chutes. Farm Mech. 5:71. Feb.1953. 58.8 B772

43540 SHAW, R. G. The use of large diameter wheels and tyres on forest extraction vehicles. Gt. Brit. Forestry Comn. Forest Rec. 18,8 p. 1953. 99.9 G795Fo

43541 SHEBALIN, IU. A. Testing the NAMI-012 steam-driven truck [in log transportation]. (In Russian.) Lesn. Promysh. 12(11):10-13. Nov.1952. 99.82 L56

43542 TROMP, P. H. M. Good forestry equipment. III. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64: 22-23. Jan.1953. 12 N282

43543 WENTZEL, K. F. Eine maschine ersetzt das schäleisen. Allg. Forstz. 8:110-111. Feb.25,1953. 99.8 AL52

Logging

43544 COLLIER, R. D. Effect of water transportation on forest utilization in eastern Canada. (Sum.) Pulp & Paper Mag. Canada 54(2):88. Feb.1953. 302.8 P96

43545 DELFS, J. Die flösserei auf dem Rhein. Holz-Zentbl. 79:97-98. Jan.24,1953. 99.81 H742

43546 GARIN, A. A. Calculation of load capacity of shore raft-tying places. (In Russian.) Lesn. Promysh. 12(12):19-21. Dec.1952. 99.82 L56
Logging.

43547 GUT, R. C. Le débardage. Forêt 6:63-67. Jan.1953. 99.8 F7683

43548 HOSMER, W. A. The integration of pulpwood and lumber uses in Northeastern hardwoods. (Sum.) Pulp & Paper Mag. Canada 54(2):92,94. Feb.1953. 302.8 P96

43549 KINCAID, F. H. Salvage operations in beetle infested areas. Lumberman 80(2):57,103. Feb.1953. 99.81 W52

43550 KOGAN, IU. A. Log carrying auto [trailer-truck]-trains in Siberia. (In Russian.) Lesn. Promysh. 12(12):4-6. Dec.1952. 99.82 L56
Transportation.

43551 LIPP, T. Zum problem stammholzrücken. Holz-Zentbl. 79:135. Jan.31,1953. 99.81 H742

43552 LOBODANOV, N. S., and KVACHADZE, N. I. Winter road clearer for auto plank roads. (In Russian.) Lesn. Promysh. 12(12):18-19. Dec.1952. 99.82 L56
Forest equipment.

43553 MCCRAW, W. E. Pulpwood handling. Paper Mill News 76(7):11-13. Feb.14,1953. 302.8 P195
Logging.

43554 NEVSKII, E. G. Winter fastening of logs with the utilization of log haulers. (In Russian.) Lesn. Promysh. 12(11):19. Nov.1952. 99.82 L56

43555 PARFENOV, G. M. Loading logs with KT-12 tractors. (In Russian.) Lesn. Promysh. 12(12):8-9. Dec. 1952. 99.82 L56

43556 PARSONS, J. Access roads are a must, how do we get them built? Wood & Wood Prod. 58(3):27-28. Mar.1953. 99.82 W856

43557 RECHARDT, A. E. On loggings on the Canadian West Coast. (In Finnish.) Metsätaloudellinen Aikakauslehti 12:345-349. 1952. 99.9 F49

43558 REINAS, P. D. Plank automobile roads for log transportation. (In Russian.) Lesn. Promysh. 12(12):6-8. Dec.1952. 99.82 L56

43559 SCHUELER, J. E. Hazards and safeguards of skidding and loading. South. Lumberman 186(2325):62,64, 66. Feb.15,1953. 99.81 So82

43560 STENER. Fällung, wie sie nicht sein soll! Allg. Forstz. 8:84-85. Feb.11,1953. 99.8 AL52

43561 STENZEL, G. Uphill felling reduces breakage. Wash. Inst. Forest Prod. New Wood-Use Ser. C. 24,4 p. Jan.1953. 99.9 W278N

43562 VEDENEEV, A. G. From the experience of building automobile roads for transportation of logs in Transcarpathia. (In Russian.) Lesn. Promysh. 12(11):7-8. Nov.1952. 99.82 L56

43563 WOODS, E. W. Hazards and safeguards in falling and bucking. South. Lumberman 186(2325):86,88. Feb.15,1953. 99.81 So82

Sawmills

43564 BROWN, A. J. Early sawmills in Texas. Tex. Forest News 32:4-5,7. Jan./Feb.1953. 99.8 T31

43565 COMPTON, K. C. How to get the most out of the log. South. Lumberman 186(2327):42-44. Mar.15, 1953. 99.81 So82

43566 DEMCHENKO, K. V. Sawmilling oak clapboard at the mills of Ukraine. (In Russian.) Lesn. Promysh. 12 (10):30. Oct.1952. 99.82 L56

43567 DUNSCHEN. Holzaushaltung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:219-220. Feb.5,1953. 18 L2346
Cutting spruce and beech to obtain highest grade wood.

43568 FORSBERG, P. Några provsågningsresultat [Some test sawing results]. Svenska Träforskinst. Trätek. Avd. Meddel. 33B, 20 p. 99.9 St6

43569 HUBNER, R. Die brauchbare gatterleistungszahl. Norddeut. Holzwirt. 7(22):4. Feb.19,1953. 99.82 N75

43570 IUFEROV, V. M. Technology of production and quality of saws. (In Russian.) Lesn. Promysh. 12(12):24-25. Dec.1952. 99.82 L56

43571 KING, W. W. Survey of sawmill residues in east Texas. Tex. Forest Serv. Tech. Rpt. 3,59 p. Feb. 1952. 99.9 T31T

43572 KNEŽEVIĆ, M. Les voies de l'accroissement de la productivité des scies circulaires. (In Serbo-Croatian.) Šumarstvo 5:191-197. May/June 1952. 99.8 Su63
French summary.

43573 KOLOBOV, V. D. Improving the quality of frame saws. (In Russian.) Lesn. Promysh. 12(12):22-24. Dec.1952. 99.82 L56

43574 LEHMANN, C. A. Die gatterleistungszahl und der gesteuerte sägewerker. Norddeut. Holzwirt. 7(8):6. Jan.17,1953. 99.82 N75

43575 ORLOV, M. N. New method of setting up and fastening of frame saws. (In Russian.) Lesn. Promysh. 12(10):25-29; (11):24-28. Oct.-Nov.1952. 99.82 L56

43576 PILLER, K. Sägewerker achtung! Internatl. Holzmarkt 44:22-23. Jan.10,1953. 99.81 In82

43577 PLATZER, H. B., and SACKEL, W. Uber die randlückensäge. Allg. Forstz. 8:99-101. Feb.18,1953. 99.8 AL52

43578 TODD, A. S. Small sawmills as buyers of southern pine timber. J. Forestry 51:169-172. Mar.1953. 99.8 F768

43579 WEGELT. Sägeindustrie in der derzeitigen markt- und einkaufssituation. Norddeut. Holzwirt. 7(10): 1-2. Jan.22,1953. 99.82 N75
Prices in lumber industry.

43580 WRIGHT, D. Profitable milling. Canad. Woodworker 53:48,71. Jan.1953. 99.82 C162

Processing and Woodworking

43581 HIRSCH, J. Die mittelschnitteinrichtung der trennbandsäge. Internatl. Holzmarkt 43(26):24-25. Dec. 20,1952. 99.81 In82

Seasoning, Conditioning and Finishing

43582 BROWN, W. H. Seasoning. Timber Technol. & Mach. Woodworking 61(2163):17-18. Jan.1953. 99.81 T482

43583 EECKHOUT, L. E. Wordt de duurzaamheid van het hout door het stomen verminderd? [The natural durability of timbers influenced by steaming]. Rlandbhogesch. Lab. v. Houttechnol. Meded. 10,5 p. Ref. Sept. 1952. 99.9 G34
English summary.

43584 KNIGHT, F. J. The painting of oil-preserved wood. Wood [London] 18:56-58. Feb.1953. 99.82 W855

43585 LUTHGENS, M. Moderne methoden der holzoberflächenbehandlung. Norddeut. Holzwirt. 7(14):3-4. Ref. Jan.31,1953. 99.82 N75

43586 MATHIEU, H. Les séchoirs à bois à haute température et à réglage automatique. Bois et Scieries 59:129,131. (Concl.) Jan.29,1953. 99.81 B632

43587 MOTTET, A. L. Kiln drying costs. Lumberman 80(3):77-79. Mar.10,1953. 99.81 W52

43588 SIMMONS, F. C. Air drying in unit packages. Vt. Wood Prod. Conf. Rpt. 12:5-12. June 19,1952. 99.9 V594

43589 STEVENS, W. C. The effect of temperature & drying rate on the shrinkage of beech. 2. Timber Technol. & Mach. Woodworking 61(2163):27-28. Jan.1953. 99.81 T482

43590 STRENGE, F. A. You can dry lumber with a crop drier. Hoard's Dairyman 98:171. Feb.25,1953. 44.8 H65

43591 TARANENKO, A. D. Simplified extension psychrometer. (In Russian.) Lesn. Promysh. 12(12):25-27. Dec.1952. 99.82 L56
To determine humidity in kiln-drying.

Wood Preservation and Damage

43592 AMERICAN WOOD-PRESERVERS' ASSOCIATION. Proceedings, forty-eight annual meeting, New York City, April 22, 23, 24, 1952. Washington, 1952. 568 p. 300.9 Am3

43593 ANDREWS, J. W. Volatility of some of the compounds in creosote produced from high-temperature tar. Amer. Wood-Preserv. Assoc. Proc. 48:85-98. 1952. 300.9 Am3
Includes discussion.

43594 ASHBAUGH, F. A. Relation between quality and pole service life. Amer. Wood-Preserv. Assoc. Proc. 48:328-334. 1952. 300.9 Am3
Includes discussion.

43595 BARKER, W. J., and others. Longer life for fence posts. Clemson Agr. Col. S. C. Ext. C. 262,rev., 15 p. Nov.1952. 275.29 So8E
G. H. Stewart, W. C. Nettles, and G. H. Dunkelberg, joint authors.

43596 BEEKMAN, W. B. Wooden buildings and fireproofing preparations. (In Dutch.) Houthandel 5:406-407. Jan.23,1953. 99.81 H81

43597 BORSHCHEVSKII, A. N. Wood destroying fungus and measures for controlling it. (In Russian.) Priroda 41(10):105-110. Oct.1952. 410 P933
Merulius lacrymans.

43598 COZZI, F. H., and HORIGAN, F. D. Oil soluble wood preservatives. U. S. QM Res. & Devlpmt. Lab. Tech. Libr. Bibliog. Ser. 25,124 p. 1952. 152.7 B47

43599 DUNCAN, C. G. Evaluating wood preservatives by soil-block tests: 5. Lignite-tar and oil-tar creosotes. (Sum.) Amer. Wood-Preserv. Assoc. Proc. 48:99-106. 1952. 300.9 Am3
Includes discussion.

43600 DUNCAN, C. G. Soil-block and agar-block techniques for evaluation of oil-type wood preservatives: creosote, copper naphthenate and pentachlorophenol. U. S. Bur. Plant Indus., Soils & Agr. Engin. Forest Path. Spec. Release 37,39 p. Ref. Jan.1953. 1.965 F3F76

43601 EECKHOUT, L. E. Duurzaamheidsbepalingen op kongolese houtsoorten [Decay resistance of Congo-woods]. Rlandbhogesch. Lab. v. Houttechnol. Meded. 9, 16 p. Ref. Sept.1952. 99.9 G34
English summary.

43602 EJSING, G. Durable posts. (In Danish.) Dansk Landbr. 72:78-79. Feb.5,1953. 280.28 V91

43603 GUAY, J. J. Préservation du bois contre la pourriture. Foret Conserv. 19(2):12. Feb.1953. 99.8 F792

43604 HEIKS, R. E. Investigation of the fundamental characteristics of creosote oils: 1. Preliminary studies. Amer. Wood-Preserv. Assoc. Proc. 48:53-83. 1952. 300.9 Am3
Includes discussion.

43605 HOPF, P. P. Developments in fungicide-containing paints. Paint Mfr. 23:49-50. Feb.1953. 306.8 P162

43606 KOTTHOFF. Der hausschwamm. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1346. Aug.28,1952. 18 L2346

43607 LEERSKOV, T. Durable posts. (In Danish.) Dansk Landbr. 72:104, Feb.19,1953. 280.28 V91

43608 LINDGREN, R. M. Permeability of southern pine as affected by [Trichoderma] mold and other fungus infection. Amer. Wood-Preserv. Assoc. Proc. 48:158-174. 1952. 300.9 Am3
Includes discussion.

43609 LIVINGSTON, K. W. The effects of species, diameter, and density of wood on absorption of an oil solution of pentachlorophenol by fence posts with the cold-soaking method. Ala. Acad. Sci. J. 21/22:43-45. Feb.1952. 500 AL12

43610 LUMSDEN, G. Q. A quarter century of evaluation of wood preservatives in poles and posts at the Gulfport test plot. Amer. Wood-Preserv. Assoc. Proc. 48:27-52. 1952. 300.9 Am3
Includes discussion.

43611 LUXMOORE, M. C. A question of preservation. MGA Bulletin 38:44-45. Feb.1953. 80 M97
Creosote as a preservative of wood in mushroom houses.

43612 MCGEHEE, H. T., and VAN ALLEN, R. G. Laboratory studies on the emulsification properties of petroleum oils used with pentachlorophenol at treating plants. Amer. Wood-Preserv. Assoc. Proc. 48:224-245. 1952. 300.9 Am3
Includes discussion.

43613 MACLEAN, J. D. Preservative treatment of wood by pressure methods. U. S. D. Agr. Handb. 40, 160 p. Ref. Dec.1952. 1 Ag84Ah
Supersedes U. S. Department of Agriculture Miscellaneous Publication 224.

43614 NUCKOLS, L. T. Diversified uses of treated wood on railroads. Amer. Wood-Preserv. Assoc. Proc. 48:282-287. 1952. 300.9 Am3
Includes discussion.

43615 PURUSHOTHAM, A., PANDE, J. N., and JADHAVE, Y. G. Wood preservation in India. Indian Forester 78:627-634. (Cont.) Dec.1952. 99.8 In2

43616 RABBAGE, L. H. Use of pressure treated wood in New York city's waterfront structures. Amer. Wood-Preserv. Assoc. Proc. 48:288-300. 1952. 300.9 Am3
Includes discussion.

43617 RICHARDS, A. P. Preliminary progress report on marine exposure panels. Amer. Wood-Preserv. Assoc. Proc. 48:15-26. 1952. 300.9 Am3
Creosote oil as wood preservative.
Includes discussion.

43618 STEER, H. B. Wood preservation statistics, 1951. Amer. Wood-Preserv. Assoc. Proc. 48:363-404. 1952. 300.9 Am3

43619 WALTERS, C. S. The effects of copper naphthenate and pentachlorophenol on livestock. Amer. Wood-Preserv. Assoc. Proc. 48:302-313. 1952. 300.9 Am3
Includes discussion.

43620 WANG, S. F. A comparative test on the decay durability of timbers treated by seven kinds of oil. (In Chinese.) Taiwan. Forest Res. Inst. B. 31,15 p. Ref. Oct.1952. 99.9 F7652
English summary.

FOREST PRODUCTS

43621 CALLWARD, F. M. Markets for low grade products needed to encourage widespread forest practices in State. (Sum.) Conn. Woodlands 18:14-15. Jan.1953. 99.8 C76

43622 CHAUDHURI, K. N. The utilization of inferior tree species and logging wastes in the moist sub-tropical forests of Eastern India. Indian Forester 78:609-626. Ref. Dec.1952. 99.8 In2

43623 JAHN, E. C. Utilization research. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 10:5-7. Feb.1953. 99.9 So13N

43624 JAMES, N. D. G. A forestry letter. VI. Making the most of it. Land Agents' Soc. J. 52:110-112. Mar. 1953. 282.9 L22
Uses for different kinds of wood.

43625 LUNDSTROM, C. B. Development & use of modified woods. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 10:17-19. Feb.1953. 99.9 So13N
Includes material on wood waste utilization.

43626 SCOTT, C. W. The forest products of Yugoslavia. Unasylva 6:166-169. Dec.1952. 99.8 Un1

43627 SMITH, W. R. Utilization of wood waste. In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.1,p.107-110. Raleigh, 1952. 279.9 C7633

43628 VERMONT WOOD PRODUCTS CONFERENCE, 12, NORTHFIELD, 1952. Report. Northfield,1952. 21 p. 99.9 V594

43629 YOHO, J. G. Income from timber products in the South. South. Lumberman 186(2326):37-38. Mar.1, 1953. 99.81 So82

Lumber and Rough Products

43630 CAMP, H. W. Pole production in 1951. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 112,3 p. Oct.1952. 1.9622 N3R31

43631 DEGLER, R. H. Posts and poles. Mo. Conserv. 14(2):8-9. Feb.1953. 279.8 M69
Manufacture of pine posts and poles.

43632 FENTON, R. H. Profit from thinnings. Amer. Forests 59(2):23,51. Feb.1953. 99.8 F762
Poles and posts treated with preservatives.

43633 GT. BRIT. MINISTRY OF WORKS. Care in the use of timber. Gt. Brit. Min. Works. Adv. L. 29,8 p.-folder. 1952. 296.9 G793A
Lumber.

43634 KOCH, W. Der bauernwald um neujahr. Bad. Landwirt. Wchnbl. 120:56-57. Jan.10,1953. 18 B142
Wood grading.

43635 KRAMER. P. R. Log grade classification based on standard lumber recovery for inferior upland hardwoods in east Texas. Tex. Forest Serv. Tech. Rpt. 4,34 p. Mar.1952. 99.9 T31T

43636 MCKNIGHT, J. S., and JOHNSON, J. W. Fence posts from Delta hardwoods give good service. Miss. Agr. Expt. Sta. Serv. Sheet 426,2 p. Jan.1953. 100 M69

43637 MCKNIGHT, J. S., and JOHNSON, J. W. Fence posts from Delta hardwoods give good service. Miss. Farm Res. [Miss. Sta.] 16:3,7. Jan.1953. 100 M69Mi
Treated and untreated posts.

43638 MATSON, E. E. Lumber grades from Douglas-fir [Pseudotsuga taxifolia] peeler logs. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Note 83, 5 p. Nov.1952. 1.9 F7629Fr

43639 MAY, R. H. Forest products used in mines in California and Nevada, 1950. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 15,8 p. Nov.1952. 1.9 F7626F

43640 PALAZZO, J. T. Brazilian wood exports. (In Portuguese.) Orientação Econ. e Financ. 10(109):33-34. Oct.1952. 280.8 Or42

43641 ROSS, W. Helping the man who buys. Brit. Columbia Lumberman 37(2):51,116. Feb.1953. 99.81 B77
Lumber grading.

43642 SAWNWOOD. Unasylva 6:170-175. Dec.1952. 99.8 Un1

43643 TRENK, F. B. Producing boltwood. Mich. State Col. Agr. Ext. B. 311,15 p. Nov.1952. 275.29 M58B

Building Construction

43644 DENNEY, F. R. The use of treated lumber for railway car repair and construction. Amer. Wood-Preserv. Assoc. Proc. 48:271-281. 1952. 300.9 Am3
Includes discussion.

43645 FILICHKIN, G. L. Assembling [prefabricated] board houses in the forest settlements. (In Russian.) Lesn. Promysh. 12(10):5-7. Oct.1952. 99.82 L56

43646 MALYNICH, V. I. On the quality of wood slabs utilized in car construction. (In Russian.) Derevopererabatyvaûshchaîâ i Lesokhim. Promysh. 1(8):17-19. Nov. 1952. 99.82 D44
Veneers.

43647 ROMANOV, N. T. Utilization of small-dimensional wood in construction. (In Russian.) Lesn. Promysh. 12(11):22-24. Nov.1952. 99.82 L56

43648 STREHLKE, E. G. Fussboden aus deutscher Douglasie. Holz-Zentbl. 79:159. Feb.5,1953. 99.81 H742

43649 TICKLE, C. G. Plywood silo gains favor in the United Kingdom. Veneers & Plywood 47(2):12-13. Feb.1953. 99.82 V55

43650 VAULTIER, R. Les maisons à pans de bois. Rev. du Bois 7(12):3-5. Dec.1952. 99.82 R32

43651 WOOD SYMPOSIUM, CHICAGO, 1952. Proceedings, one hundred years of engineering progress with wood. The centennial of engineering convocation, September 3-13, 1952, Chicago, Illinois. Washington, Timber Engin. Co., Washington, D. C.,1952. 11 p. 99.9 W85

Veneers, Plywood and Adhesives

43652 ANDREVSKII, V. G. Furniture veneers and their standardization. (In Russian.) Derevopererabatyvaûshchaîâ i Lesokhim. Promysh. 1(9):11-12. Dec.1952. 99.82 D44

43653 ARNOLDT, W. Wissenswertes aus dem kauritleimgebiet. Holztechnik 32:473-474,528-529,587-588,642-644; 33:20-21. Sept.1952-Jan.1953. 99.82 H745

43654 BETHEL, J. S., and HADER, R. J. Hardwood veneer drying. 1. Canad. Woodworker 53:41,55,64. Jan. 1953. 99.82 C162

43655 BIRIÛKOV, V. A. Rapid gluing and veneering [of wood] by dielectric heating. (In Russian.) Derevopererabatyvaûshchaîâ i Lesokhim. Promysh. 1(8):5-8. Nov.1952. 99.82 D44

43656 BLACK, R. S. Glue costs go up when poor spreading equipment is used. Veneers & Plywood 47(2): 14,16. Feb.1953. 99.82 V55

43657 HYLER, J. E. Glues and gluing. 6. South. Lumberman 186(2325):71-74. Feb.15,1953. 99.81 So82

43658 HYLER, J. E. Glues and gluing. 7. South. Lumberman 186(2326):49-50,52. Mar.1,1953. 99.81 So82

43659 HYLER, J. E. Glues and gluing. 8. South. Lumberman 186(2327):69-70,72. Mar.15,1953. 99.81 So82

43660 PERRY, T. D. Manufacturing methods in veneer and plywood. South. Lumberman 186(2325):45-46, 48,50,52,54,56. Feb.15,1953. 99.81 So82

43661 PERRY, T. D. What's the right moisture content for good gluing? Wood & Wood Prod. 58(3):31-32,72-74. Mar.1953. 99.82 W856

43662 STERLIN, D. M. Quick peeling of [veneer] logs. (In Russian.) Derevopererabatyvaûshchaîâ i Lesokhim. Promysh. 1(9):15-17. Dec.1952. 99.82 D44
Equipment.

43663 TIMBER DEVELOPMENT ASSOCIATION. Have you thought of plywood? London,1952? 17 p. 99.77 T48H

43664 TINDOLPH, A. G. Inside a Japanese plywood plant. Lumberman 80(3):49-50. Mar.10,1953. 99.81 W52

43665 TSIMBEROV, L. K., and PRUSAKOVA, I. R. Potentialities for decreasing the cost of veneer drying. (In Russian.) Derevopererabatyvaûshchaîâ i Lesokhim. Promysh. 1(8):28-30. Nov.1952. 99.82 D44

43666 ZANDSTRA, K. A. Wood glueing in industry. 2. Timber Technol. & Mach. Woodworking 61(2163):30-31. Jan.1953. 99.81 T482

Furniture

43667 DUBOIS, G. Industrie du meuble et séchage du bois. Forêt Conserv. 19(2):19. Feb.1953. 99.8 F792

43668 KRECHETOV, I. V. Urgent problems of wood drying at the furniture establishments. (In Russian.) Derevopererabatyvaûshchaîâ i Lesokhim. Promysh. 1(8): 3-4. Nov.1952. 99.82 D44

43669 PRYCE, S. D. Kiln drying and moisture control in a furniture factory. Furniture Mfr. 73(2):18,23,30,34-35,43. Feb.1953. 300.8 F982

Containers

43670 KELLICUTT, K. Q., LANDT, E. F., and SETTERHOLM, V. C. Basic design data for the use of fiberboard in shipping containers; box strength calculator. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1911-A,9 p. Dec.1952. 1.9 F761R

43671 RHODES, J. H. Steady growth in container grades by plywood industry. Wooden Box & Crate 15:19-21,40,42. Jan./Feb.1953. 99.82 W857

43672 SHEININ, I. A. G. Container [manufacturing] shop of woodworking plant. (In Russian.) Lesn. Promysh. 12(12):10-14. Dec.1952. 99.82 L56

43673 SOULILLOU, A. Le métier d'emballeur, maître métier. Rev. du Bois 7(12):23-24. Dec.1952. 99.82 R32

Pulp and Paper

43674 ABRAMS, A. The progress of research in the pulp and paper industry. Paper Mill News 76(8):136,138, 140. Feb.21,1953. 302.8 P195

43675 ABRAMS, A. The progress of research in the pulp and paper industry. Tappi 36(3):22A,24A,26A,28A, 30A. Mar.1953. 302.8 T162

43676 AITKEN, K. G. Peroxides to bleach sulphate pulp. Canad. Chem. Processing 37(2):42,44. Feb.1953. 381 C16

43677 AITKEN, K. G. The use of peroxides for bleaching sulphate pulp. Canad. Pulp & Paper Indus. 6(3): 8-9,18. Mar.1953. 302.8 W52

43678 ASCHE, W., and SANDERMANN, W. Tallöl als nebenprodukt der sulfatzellstoffindustrie und seine bedeutung als harzquelle für papierleime. Papier 7:6-12. Jan.10,1953. 302.8 P1934
English summary.

43679 BENARD. Application aux pates de bois de la methode Schwalbe-Braidy de mesure de l'indice de cuivre. Assoc. Tech. de l'Indus. Papetière B. 6:162-163. Oct. 1952. 302.9 As5

43680 BEYER. Die rohstoffversorgung der zellstoff- und papierindustrie in den Vereinigten Staaten. Allg. Forst- u. Jagdztg. 124:90-91. Jan.15,1953. 99.8 AL3

43681 BRASCH, L. W. Effect of sodium chlorite treatment of unbleached pulps on apparent chain-length. (Condensed.) Pulp & Paper Mag. Canada 54(2):63. Feb. 1953. 302.8 P96

43682 CANADIAN PULP AND PAPER ASSOCIATION. President's report for the year 1952, by R. M. Fowler. Pulp & Paper Mag. Canada 54(3):141-142,377-378,381-382,384. 1953. 302.8 P96

43683 CARDEW, J. Rumania steps up paper output for home use and export. World's Paper Trade Rev. 139: 384,386,388. Feb.5,1953. 302.8 W89

43684 CARVALHO, J. DA S. Bleaching of cellulose pulps. (In Portuguese.) Assoc. Bras. de Quim. B. 10: 91-96,108. Ref. Sept./Oct.1952. 385 As7B

43685 CHAMPION, F. J. The U. S. Forest Products Laboratory and its Pulp and Paper Division. Paper Maker 22:43-55. Feb.1953. 302.8 P1952

43686 CONVERSE, C. W. Bleached semichemical pulp. Paper Mill News 76(12):60,77. Mar.21,1953. 302.8 P195

43687 CONVERSE, C. W. Bleached semichemical pulp. South. Pulp & Paper Mfr. 16(2):30,32. Feb.10,1953. 302.8 So8

43688 CONVERSE, C. W. Semichemical pulping—a process study. Paper Mill News 76(12):48,50,52,54,56. Mar.21,1953. 302.8 P195

43689 COOMBER, H. E. Pulping studies with Colonial tropical hardwoods as paper-making materials. Colon. Plant & Anim. Prod. 3:13-27. 1952/53. 472 C71

43690 CRAIG, F. A. Practical beating. Brit. Paper & Bd. Makers' Assoc. Tech. Sect. Proc. 33:451-464. May 1952. 302.9 P193
Includes discussion.

43691 FOWLER, R. M. Pulp and paper 1945-1952. Pulp & Paper Mag. Canada 54(3):137-140. 1953. 302.8 P96

43692 GAZONNAUD. La forêt d'A.E.F.—source inépuisable de pâte à papier. Rev. Internatl. du Bois 20 (175):7,9. Jan.1953. 99.8 R326

43693 HAGGLUND, E. Sulfitkochung mit ablaugen-zurückführung. Papier 7:41-46. Feb.5,1953. 302.8 P1934
English summary.

43694 HALL, J. A. Today's semichemical pulp industry. Paper Mill News 76(12):110-112. Mar.21,1953. 302.8 P195

43695 HEBBS, L. G. S. An approach to the problem of increasing cellulose supplies. Brit. Paper & Bd. Makers' Assoc. Tech. Sect. Proc. 33:277-304. May 1952. 302.9 P193
Includes discussion.

43696 HOBBS, R. B., and WILSON, W. K. Pulp and paper. Chem. & Engin. News 31:40-42. Jan.5,1953. 381 J825N

43697 HORSTMAN, A. J. Low consistency refining of groundwood tailings. Pulp & Paper Mag. Canada 54(3): 163-165. 1953. 302.8 P96

43698 HUBERTY, A. W. Up-flow screening of chemical pulp. Paper Mill News 76(12):93-94,96,98. Mar.21, 1953. 302.8 P195

43699 HUTCHINSON, H. SIR. Supplies of fibre for paper and board making. Brit. Paper & Bd. Makers' Assoc. Tech. Sect. Proc. 33:264-276. May 1952. 302.9 P193
Includes discussion.

43700 IL'INSKAÏA, A. A., and KITAEVA, S. KH. Determination of iron and sulfate content in pulp by the photo electric colorimeter. (In Russian.) Bumazhnaïa Promysh. 27(12):7-10. Ref. Dec.1952. 302.8 B88

43701 IRVINE, J. E., and HENDERSON, E. W. Wood chipper and chipper motor selection. Pulp & Paper Mag. Canada 54(3):247-252. 1953. 302.8 P96

43702 JONES, N. Man's great search. Amer. Forests 59(3):17-18,40,43. Mar.1953. 99.8 F762
For an abundant fiber from which to make paper.

43703 KALININA, T. I. Effect of ammonium base on the process of sulfite digestion and quality of pulp. (In Russian.) Bumazhnaïa Promysh. 27(12):5-7. Dec.1952. 302.8 B88

43704 LEUGERING, H. J. Zur kenntnis der zellstoff-veredelung durch heissalkalisierung. Papier 7:47-51. Feb.5,1953. 302.8 P1934
English summary.

43705 MCGOVERN, J. N. Semichemical pulping research at the Forest Products Laboratory. Paper Mill News 76(12):78,124. Mar.21,1953. 302.8 P195

43706 MACGREGOR, J. J. World timber and pulp—requirements and supplies. World Crops 5:93-97. Mar. 1953. 281.8 W892

43707 MALCOVE, N. L. Burning of calcium base spent sulphite liquor. Paper Mill News 76(12):114-115, 130. Mar.21,1953. 302.8 P195

43708 MONZIE, P. Dosage de la "cellulose noble." Assoc. Tech. de l'Indus. Papetière B. 6:163-166. Oct. 1952. 302.9 As5

43709 MURDOCK, H. R. Chlorine dioxide bleaching process advocated for paper mills. Paper Mill News 76 (12):65-66. Mar.21,1953. 302.8 P195

43710 THE PAPER year book. Ed. 11. New York, Davidson,1953. 528 p. 302.8 P1926

43711 PEARL, W. L. A method for the estimation of decay in Douglas-fir wood chips. Tappi 36(3):133-136. Mar.1953. 302.8 T162

43712 PESSOLANO, V. Poplar for the pulp and paper industry. (In Italian.) Indus. della Carta 7:2-7. Jan. 1953. 302.8 In22

43713 PORTER, R. R. Market pulp outlook. Paper Mill News 76(8):132-134. Feb.21,1953. 302.8 P195

43714 PORTER, R. R. U. S. market pulp outlook. (Excerpts.) Pulp & Paper 27(3):30-31. Mar.1953. 302.8 P11

43715 QUERTON. Le Canada, royaume du papier. Forêt Conserv. 19(2):6-10. Feb.1953. 99.8 F792

43716 RECKNAGEL, A. B. Possible uses of hardwoods from farm woodlots for pulp. Vt. Wood Prod. Conf. Rpt. 12:15-17. June 19,1952. 99.9 V594

43717 RITCHIE, J. L. Wood pulp outlook. Paper Mill News 76(8):98,100. Feb.21,1953. 302.8 P195

43718 ROSCHIER, R. H., and HYVARINEN, S. On hydroxoanionic compounds of cellulose. 1. Paperi ja Puu. B. 35:1-7. Ref. Jan.15,1953. 302.8 P1991

43719 SANDWELL, P. R. Papermaking in the second industrial revolution. Pulp & Paper Mag. Canada 54(3): 170-173. 1953. 302.8 P96

43720 SAPP, J. E. Semichemical process flowsheets. Paper Mill News 76(12):84,88,90,124. Mar.21,1953. 302.8 P195

43721 SILVER, F. P., and BEATH, L. R. Development of 65 per cent yield sulphite for newsprint furnish. Pulp & Paper Mag. Canada 54(3):215-219,224. 1953. 302.8 P96

43722 SIMMONDS, F. A., and others. Purified hardwood pulps for chemical conversion. I. Aspen sulphite and prehydrolysis-sulphate pulps. Tappi 36:103-110. Ref. Mar.1953. 302.8 T162
R. M. Kingsbury, J. S. Martin, and E. L. Keller, joint authors.

43723 STEVENS, W. C. Chip testing and influence of chip size on pulping variables. Paper Mill News 76(12): 80-82. Mar.21,1953. 302.8 P195

43724 STOCKMAN, L. Ammonia bisulfite cooking. (In Swedish.) Svensk Papperstidn. 56:11-14. Jan.15,1953. 302.8 Sv2

43725 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. 1953 year book. New York, 1953. 342 p. 302 T22

43726 TINKER, E. W. Growth-rate of paper industry good. Paper Mill News 76(8):107,148. Feb.21,1953. 302.8 P195

43727 TROUT, P. E., and others. Routine determination of lignin in semichemical pulps by a modified Tingle procedure. Tappi 36:123-126. Mar.1953. 302.8 T162
P. A. Franckowiak, J. L. Ham, B. L. Browning, and L. O. Bublitz, joint authors.

43728 UNDERHAY, G. F. Raw materials for paper. Roy. Soc. Arts. J. 101:153-174. Ref. Feb.6,1953. 501 L847J
Includes discussion.

43729 VIDAL, J. J. Elaboración de papel de diario en el país. Chacra 23(267):26-27. Feb.1953. 9 C34
Argentina.

43730 VOORN, H. Random rambles through the glorious past of German papermaking. Paper Maker 22: 1-9. Ref. Feb.1953. 302.8 P1952

43731 WEGELIUS, T. Bridging the gap between the bush and the mill. Pulp & Paper Mag. Canada 54(3):166-169. 1953. 302.8 P96
Finland.

43732 WINCHESTER, A. J., and CUTHBERTSON, A. M. High-load grinding. Pulp & Paper Mag. Canada 54 (3):195-201. 1953. 302.8 P96

Chemical Products and Distillates

43733 BAILEY, J. H. Vente du charbon de bois canadien. Forêt Conserv. 19(2):13. Feb.1953. 99.8 F792
To the United States.

43734 BEEBE, C. W., LUVISI, F. P., and HAPPICH, M. L. Tennessee Valley oak bark as a source of tannin. Shoe & Leather Rptr. 269(12):18-21. (Cont.) Ref. Mar. 21,1953. 303.8 Sh7

43735 GANSHIN, A. A. Another instance of the information of static electricity. (In Russian.) Derevopererabatyvaïushchaïa i Lesokhim. Promysh. 1(9):14-15. Dec.1952. 99.82 D44
Wood distillation and properties.

43736 GILLET, A., and URLINGS, J. Pyrolyse du bois dans l'huile de palme. Chim. & Indus. 69:252-257 Feb.1953. 383 C42

43737 HERGERT, H. L., and KURTH, E. F. The chemical nature of the extractives from white fir [Abies concolor] bark. Tappi 36:137-144. Ref. Mar.1953. 302.8 T162

43738 MORGAN, L. W., ARMSTRONG, G. M., and LEWIS, H. C. Distillation of hardwood in a fluidized bed. Chem. Engin. Prog. 49(2):98-101. Feb.1953. 381 C4232

43739 SHIBAMOTO, T., and KAWANA, A. Studies on carbonization of wood. XII. (In Japanese.) Tokyo U. Forests. B. 43:127-138. June 1952. 99.9 T57
English summary.

Naval Stores

43740 CALHEIROS E MENESES, J. L. Para uma melhor resinagem [Toward better resin]. Lisboa, União dos Grémios de Industriais Exportadores de Produtos Resinosos, 1952. 29 p. 286.377 C12
The industry in Portugal.

43741 CARRANZA O., F. Resinación del pino en los bosques de Coníferas. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1:30-32,59. Oct.1952. 8 G934
Guatemala.

43742 ĐUDIĆ, M. Gemmage en Serbie. (In Serbo-Croatian.) Sumarstvo 5:185-191. May/June 1952. 99.8 Su63
French summary.

43743 HILBERT, G. E. Twenty years of research by the Naval Stores Station. AT-FA Journal 15(4):5-9. Jan. 1953. 309.8 Am3

43744 IMMEL, K. Harzgewinnung. Urania 15:470-477. Dec.1952. 474 Ur1

43745 MERGEN, F. Gum yield in longleaf pine inherited. Nav. Stores Rev. 62(47):18-19. Feb.21,1953. 99.81 N22

43746 OUDIN, M. Activation, par projection d'acide sulfurique, de la production de gemme du pin maritime (Pinus pinaster Sol.). Soc. de Biol. Compt. Rend. 146: 1618-1619. Oct.1952. 442.9 P2

43747 SNESAREV, K. A., and VOL'PIAN, B. L. New method for determining moisture of rosin slivers. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 1(9):13-14. Dec.1952. 99.82 D44

43748 STALLCUP, W. D. Our gum naval stores industry. Paint Indus. Mag. 68(2):29-30. Feb.1953. 306.8 D84

43749 STRANGE, J. D. Profitable integration of modern naval stores practices. Nav. Stores Rev. 62(47): 16-17,27. Feb.21,1953. 99.81 N22

Other Forest Products

43750 ALMEIDA, G. T. DE. Home industry. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 15(169): 5-6. Nov.1952. 309.9 J96

43751 BUBENISEK, V. Resonanzholz aus Österreich. Internatl. Holzmarkt 43(26):18-19. Dec.20,1952. 99.81 In82

43752 JAGOW, VON. Der "weihnachtsbaum" kann sich bezahlt machen. Landwirtbl. Weser Ems 100:287-289. Mar.12,1953. 18 L2345

43753 METCALF, W., and GRAH, R. F. Christmas tree production; winter season is favorable planting time for tree crop to meet expanding California market. Sacramento Val. Rancher 7(2):11,19. Feb.1953. 6 Sa12

43754 SAKHAROV, M. D. Ways of improving the quality of skis. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 1(9):7-9. Dec.1952. 99.82 D44
Processing and woodworking.

43755 SHEÍDIN, I. A. Use of accessories made of wooden lamina. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 1(9):18-19. Dec.1952. 99.82 D44
Chiefly bearings.

43756 STROKOV, V. V. Accelerated accretion and industrial bark removal of cork oak [Quercus suber]. (In Russian.) Lesn. Khoz. 5(8):29-33. Aug.1952. 99.8 L5622

43757 THOMPSON, H. Ways to sell wood products. (Condensed.) Vt. Wood Prod. Conf. Rpt. 12:13-14. June 19,1952. 99.9 V594

43758 U. S. EXTENSION SERV. State publications on growing Christmas trees, by A. M. Sowder. Washington, 1953. 1 p. 1.913 F2St22

43759 WACEK, A., and MERALLA, S. Faserverfilzung und faserverklebung. Holzforschung 6:65-70. Ref. 1952. 99.8 H74
English summary.
Influence on fiberboard strength.

WOOD TECHNOLOGY

43760 DADSWELL, H. E. Identification of eucalypt timbers. 2. Forest Prod. News Let. 191:1-2. July/Aug. 1952. 99.9 Au722F

43761 JONES, J. K. N. Les techniques modernes d'étude des polyoses. Application technique à l'étude de certaines hémicelluloses. Assoc. Tech. de l'Indus. Papetière B. 6:157-161. Oct.1952. 302.9 As5
Text in English.

43762 KLAUDITZ, W. Zur biologisch-mechanischen wirkung des lignins im stammholz der nadel- und laubhölzer. Holzforschung 6:70-82. Ref. 1952. 99.8 H74
English summary.

43763 KRATZL, K., TSCHAMLER, H., and SILBERNAGEL, H. The behaviour of lignin on treatment with water at elevated temperature (infrared spectroscopy of wood). Cong. Internatl. de Biochim. Résumés des Commun. 2:312. 1952. 386.2 In84

43764 LAMB, G. N. Foreign woods. Wood & Wood Prod. 58(3):46,75. Mar.1953. 99.82 W856
Haematoxylon campechianum; and Centrolobium and Lecythis species.

43765 LANG, H. Polymerisationsgrad und einheitlichkeit von holzcellulosen. Papier 7:52-56. Feb.5,1953. 302.8 P1934
English summary.

43766 LINDBERG, B. Dehydroguiaretic acid by dehydrogenation of isoeugenol. Svensk Papperstidn. 56: 6-7. Jan.15,1953. 302.8 Sv2

43767 MIGITA, N., NAKANO, J., and NAGANO, T. On the mechanism of color reaction of lignin. I-II. (In Japanese.) Tokyo U. Forests. B. 43:139-149. Ref. June 1952. 99.9 T57
English summary.
I, by N. Migita and J. Nakano; II, by N. Migita, J. Nakano, and T. Nagano.

43768 MILLETT, R. S. Variation in moisture content in wood exposed to indoor conditions. Timber Canada 13(7):21-23,34,36. Mar.1953. 99.81 T487

43769 MONNBERG, R., ORA, A., and LEHMUSKOSKI, U. Pentamethyl phenol and duroquinone from a lignin substance. (In Finnish.) Paperi ja Puu. B. 35:8-12. Ref. Jan.15,1953. 302.8 P1991
English summary.

43770 MROST, M. Investigation of the thermal decomposition of wood. So. African Indus. Chem. 6:245-250,243. Ref. Oct.1952. 385 So8

43771 SANDMO, J. K. Wood structure. (In Norwegian.) Skogbrukeren 28:1-2. Jan.1,1953. 99.8 Sk54
Chiefly wood chemistry.

43772 SCHWEGMANN, L. M. A key based on macroscopic and microscopic detail on the more important softwoods grown in or imported into South Africa. So. African Forestry Assoc. J. 22:51-59. Oct.1952. 99.9 So82

43773 SCOTT, M. H. Burglars and bordered pits. So. African Forestry Assoc. J. 22:2-6. Oct.1952. 99.9 So82
Wood identification.

43774 STAMM, A. J. Diffusion and penetration mechanism of liquids into wood. Pulp & Paper Mag. Canada 54(2):54-63. Ref. Feb.1953. 302.8 P96

43775 TACHI, I., and YAMAMORI, N. Studies on the hemicellulose. 6. On the carboxyl group of wood polyuronide hemicellulose. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:392-397. 1952. 385 Ag8
English summary.

43776 TACHI, I., and YAMAMORI, N. Studies on the hemicellulose. 7. Relation between polyuronide hemicellulose and lignin. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:521-525. Ref. 1952. 385 Ag8
English summary.

43777 TREIBER, E., and FELBINGER, W. Die lichtabsorption von cellulosederivaten. III. Papier 7:13-17. Ref. Jan.10,1953. 302.8 P1934

43778 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. A hundred definitions pertaining to wood and other forest products. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 240,rev.,11 p. Dec.1952. 1.9 F761

43779 VOGEL, F. H. Impregnation of wood with solid metal alloys. (Abs.) Ala. Acad. Sci. J. 21/22:58. Feb.1952. 500 AL12

Properties and Structure

43780 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Variation of shrinkage, density and fibre and vessel dimensions with position in one tree of Eucalyptus regnans F. v. M., by K. E. Kelsey and I. J. W. Bisset. South Melbourne,1952. 18 p. (Its Sub-Projects T. P. 2-3 and W. S. 3-5, Progress Report 23) 99.79 Au7I

43781 BRYAN, L. W. Timber qualities of some exotic timber trees in Hawaii (a preliminary report). Hawaii Bd. Comnr. Agr. & Forestry. Rpt. 1952:106-113. 25 H314Re
Includes Appendix B: Preliminary report on uses and milling characteristics of exotic timber trees, by M. L. Wold.

43782 DEVAUX, P. Les bois améliorés. Nature [Paris] 3207:220-223. July 1952. 473 N21

43783 DROW, J. T. Strength of western larch [Larix occidentalis] and its suitability for poles. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1758,rev.,3 p. Dec.1952. 1.9 F761R

43784 HIRAI, S., and OGAWARA, J. Studies on bamboo. VIII. Adhesive strength of Phyllostachys pubescens Magel in relation to cut face. (In Japanese.) Tokyo U. Forests. B. 43:159-166. June 1952. 99.9 T57
English summary.

43785 JANE, F. W. The structure of world timbers. 16. Pycnanthus, makoré and nyankom. Timber Technol. & Mach. Woodworking 61(2163):19-21. Jan.1953. 99.81 T482

43786 JANICZEK, M., and BOBROWICZ, E. Wilgotność drewna świezego buków Pomorskich i Karpackich. Humidity of fresh beech-wood (Fagus silvatica L.) in Pomorze and Karpaty. Inst. Badawczy Leśn. Prace 78, 43 p. Ref. 1952. 99.9 W26

43787 KAEISER, M. Microstructure of wood of Juniperus virginiana L. x J. ashei Buchh. Ill. State Acad. Sci. Trans. 44:45-50. 1951,pub.1952. 500 IL6

43788 MACLEAN, J. D. Effect of temperature on the dimensions of green wood. Amer. Wood-Preserv. Assoc. Proc. 48:136-157. 1952. 300.9 Am3
Includes discussion.

43789 SCOTT, M. H. The quality of the wood of young trees of Pinus caribaea grown in South Africa. So. African Forestry Assoc. J. 22:38-47. Oct.1952. 99.9 So82

43790 SIEMINSKI, R. Investigations on the resistance of pine wood containing oleoresin. (In Polish.) Sylwan 96: 332-335. July/Sept.1952. 99.8 Sy52
Russian summary.

43791 SUZUKI, Y. Studies on bamboo. VII. Stopping of pit pore in bamboo parenchyma cell and its effect on gas and liquid permeability into bamboo. (In Japanese.) Tokyo U. Forests. B. 43:151-157. June 1952. 99.9 T57
English summary.
Phyllostachys pubescens.

43792 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Methods of determining the specific gravity of wood. U. S. Forest Serv. Forest Prod. Lab. Tech. Note B-14,rev.,4 p. Dec.1952. 1.9 F761

43793 ŽUPANSKI, V. Certaines causes de l'abrasion du bois et las possibilités de la réduction et de l'élimination de ces causes. (In Serbo-Croatian.) Šumarstvo 5: 216-219. May/June 1952. 99.8 Su63
French summary.

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

43794 ADAM, J. Hérédité et croissance. Etude pondérale. Paris,Foulon,1952. 110 p. Ref. 40 Ad13
Thèse - Ecole Nationale Vétérinaire, Alfort.

43795 ANAKAMA, Y. Chikusan-gaku soron (zoteiban) [Introduction to zootechny]. Tokyo,Sangyo Tosho K. K.,1952. 392 p. 40 An1

43796 AURIOL, P., and DUMONT, B. L. Génétique moderne et sélection animale. Agriculture [Paris] 17: 15-20,53-55. Jan.-Feb.1953. 14 Ag823

43797 BAIER, W. Klinische erhebungen und deren genetische zuordnung in der zuchtschädenbekämpfung. Zootechnia 1(6):11-20. Nov./Dec.1952. 41.8 Z73
English summary.

43798 BERSELLI, C. A. The law on artificial insemination. (In Italian.) Agr. Ferrarese 56:254-255. Nov.30,1952. 16 Ag87

43799 BERTONI, A. Aspects of the organization of artificial insemination. (In Italian.) Prog. Vet. 8:59-60, 62,64. Jan.15,1953. 41.8 P942

43800 BONADONNA, T. Artificial insemination of animals is probably lessening in the world? (In Italian.) Zootechnia 1(6):41-48. Nov./Dec.1952. 41.8 Z73
English summary.

43801 CANADIAN NATIONAL LIVE STOCK RECORDS RECORD COMMITTEE. Forty-eighth annual report for the year 1952. Ottawa,1953. 58 p. 49.9 C163

43802 CARLEVARO CASTELLA, C. H. Importancia de la inseminación artificial. Asoc. Rur. del Uruguay. Rev. 80:45-46. Jan.1953. 9.9 As5

43803 CAVINA, R. Genealogical books. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6(54):27-28. Jan.1953. 44.8 B634

43804 COMBERG, G. Tierzucht in der DDR. Interagra 6:330-334. 1952. 28 In825
Artificial insemination chiefly.

43805 CONTI, V. La inseminación artificial en la práctica. Uruguay. Min. de Ganad. y Agr. B. Inform. 9 (447):4-5;(448):6;(449):6-7;(450):11-12;(451):6;(452):10. (Cont.) Dec.24,1952-Jan.29,1953. 9.9 G15B

43806 CRAIG, J. V., and CHAPMAN, A. B. Experimental test of predictions of inbred line performance in crosses. J. Anim. Sci. 12:124-139. Ref. Feb.1953. 49 J82

43807 DESSELMANN, P. Uber biologische grundgesetze: was ist vererbung des geschlechts über kreuz? Thür. Kleintierzüchter 7:31-32. (Concl.) Jan.30,1953. 49 T42

43808 DOBRENOV, D. Main features of American livestock breeding. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(15):2-5. Nov.1952. 21.5 V87

43809 GIFFORD, C. W. Have purebreds jumped the track. Farm J. 77(3):40-41,176-178. Mar.1953. 6 F2212

43810 GONZALEZ ALVAREZ, R. La herencia patológica en los animales domésticos. Pampa Argentina 25(300):4. Dec.1952. 9 P19

43811 GONZALEZ MARTINEZ, J. M. La inseminación artificial en la repoblación ganadera de México. Crédito y Téc. Agr. 3(53):3-8. Feb.15,1953. 284.28 C864

43812 LEIBFRIED, E. Zur künstlichen besamung—das wort eines bauern. Bad. Landwirt. Wchnbl. 120:228-229. Mar.7,1953. 18 B142

43813 MACLEOD, W. J. Nova Scotia's A. I. program is expanding with new and larger facilities at the Truro Central Unit. Family Herald & Wk. Star 84(8):5,19. Feb. 19,1953. 7 F21

43814 MAHAL, H. Die indikationsgebiete des vitamins E bei der bekämpfung der unfruchtbarkeit unserer haustiere. Tierärztl. Umschau 8:56-57. Ref. Feb.1953. 41.8 T445

43815 MAIGNAN, R. Rôle du pH dans les voies génitales femelles sur la biologie des spermatozoïdes. Maisons-Alfort,Au Manuscrit,1952. 44 p. 444 M286
Thèse - Ecole Nationale Vétérinaire, Alfort.

43816 MESSERSCHMIDT, H. Züchterische probleme der künstlichen besamung. Übersicht 4:46-48. Jan. 1953. 18 Ub3

43817 MILOVANOV, V. K. Methods of increasing the vitality of farm animals. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:84-89. Sept. 1952. 20 D742
Genetics.

43818 NORTON, J. M. Growth of artificial insemination [Great Britain]. Farmers' Gaz. 111:62. Jan.17, 1953. 10 F221

43819 ORCUTT, E. P., and JACOBSEN, N. A. Montana breeders of registered beef cattle, sheep, and horses. Mont. State Col. Ext. C. 209,26 p. Apr.1952. 275.29 M76Ci

43820 PETERS, J. Vergleichende untersuchungen über die brauchbarkeit des eidottermilchverdünners. Fortpflanzung u. Besamung der Haustiere 3:14-15. (Cont.) Feb.15,1953. 41.8 F773
Semen dilution.

43821 PONOMAREV, A. S. Proper organization of breeding work in the reindeer industry. (In Russian.) Sotsialist. Zhivotnovod. 14(12):64-68. 1952. 49 So71

43822 RIGUTTO, A. Report on Law n. 1009 of July 25, 1952 establishing "Standards for artificial insemination of animals". (In Italian.) Prog. Vet. 8:37-38,40. Jan.15,1953. 41.8 P942

43823 ROWSON, L. E. A. The deep freezing of semen. Zootechnia 1(6):7-8. Nov./Dec.1952. 41.8 Z73

43824 SIENBECK, S. Züchtergedanken zur münsterlandschau. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 1322-1323. Aug.28,1952. 18 L2346

43825 SUTISNO, R. Possibilities to improve livestock produce. (In Indonesian.) Hemera Zoa 59:529-550. Nov./Dec.1952. 41.8 V51
English summary.
Increasing meat and milk production through breeding.

43826 VELAZQUEZ ANCHONDO, S. Factores zootécnicos que debe conocer todo criador. Tierra [Mexico] 8:115-117. Feb.1953. 8 T445
Selection.

FEEDS AND FEEDING

43827 ALI-ZADE, M. M. Sweet potatoes - a new green and succulent fodder in Azerbaidzhan. (In Russian.) Kormovaîa Baza 3(11):35-39. Nov.1952. 60.8 K84

43828 ALLISON, R. M., and THURSTON, W. G. Digestibility trials on single and combined fodders. 1. Sweet lupins and rape. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:341-346. Ref. Dec.1952. 514 N48A

43829 AMSCHLER, L. Und nochmal: die freilandhaltung. Allgäuer Bauernbl. 21:49-50. Jan.22,1953. 18 AL53
Livestock.

43830 BARTHOW, E. C. Danish fodder beet. Pig Prog., Sept.1952(sup.),8 p. 46.8 P622

43831 BASU, K. P. Trace elements in the nutrition of animals. Indian Dairyman 5:7-9. Jan.1953. 44.8 In282

43832 BELLOUARD, B. La madera como fuente de materias alimenticias. Agr. Venezol. 17(157):10-11. Nov.1952. 9.95 Ag8
Sugar and molasses from wood for feed and yeast production for food.

43833 BENTLEY, O. G., and KLOSTERMAN, E. W. Quality of roughage may be key to need for trace minerals. Ohio Farm & Home Res. [Ohio Sta.] 38(280):6,15. Jan./Feb.1953. 100 Oh3S

43834 BINDERT, A. Gärfutterbereitung auf natürliche art. Bauern-Ztg. 8(8):1-2. Feb.27,1953. 18 B324

43835 BOHME-SKASSA, C. Bekämpfung von mangelkrankheiten und steigerung der futterausnutzung. Deut. Landwirt.-Gesell. Mitt. 68:255-256. Mar.12,1953. 18 N39

43836 BOHSTEDT, G. What's the best way to preserve silage? Better Farming Methods 25(3):44,46. Mar. 1953. 58.8 B46

43837 BRIGGS, G. M. There's a place for feed mixing concentrates. Hatchery & Feed 27(3):17-19. Mar. 1953. 47.8 H28

43838 CARD, P. It's nutritious, but do they like it—flavor expert asks. South. Livestock J. 12(9):36. Mar. 1953. 43.8 F66A
Palatability of feed.

43839 CARD, P. Q. Flavor in feeds. Flour & Feed 53(10):14. Mar.1953. 298.8 F66

43840 CARD, P. Q. What's new in feed palatability? Feeds Illus. 4(3):30,33. Mar.1953. 389.78 F326

43841 CERUTTI, V. Technique of ensiling. (In Italian.) Nuova Agr. Milan. 3(13):2-3. July 1952. 16 C153

43842 CLEMMER, C. W. Grass is your best crop. East. States Coop. 29(3):6-7. Mar.1953. 280.28 Ea7
Nutritive value.

43843 CONNELL, W. E. The relative feeding value of dried molasses beet pulp produced with various types of saccharate filtrates. Amer. Soc. Sugar Beet Technol. Proc. 7:265-268. 1952. 66.9 Am35

43844 DANKENBRING, R. A new family of cheaper feeds. Farm J. 77(4):50,184. Apr.1953. 6 F2212
Ammoniated feeds made from corn cobs, molasses, and other farm wastes.

43845 DINI, D. Utilization of farm byproducts in livestock feeding. (In Italian.) Agr. Tosc. 7:411-417. Dec.1952. 16 Ag827

43846 DUBLIANSKAIA, N. F. Ashes of sunflower stems as a source of obtaining mineral feed for farm animals. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:83-84. Nov.1952. 20 D742

43847 DUCKWORTH, J. The feeding of livestock. Roy. Agr. Soc. Eng. J. 113:171-181. Ref. 1952. 10 R81

43848 EBERLI, O. Das kraut von konservenerbsen als winterfutter. Grüne 81:177-178. Feb.13,1953. 17 Sch9

43849 EGOROV, V. N. Supplementary mineral feeding for livestock and poultry. (In Russian.) Sotsialist. Zhivotnovod. 15(1):19-21. Jan.1953. 49 So71

43850 ELLIS, N. R., and DAVIS, R. E. Bibliography on the use of molasses in livestock feeding. U. S. Bur. Anim. Indus. A. H. D. 151,11 p. Feb.1953. 1.9 An52Ah

43851 FAULER, O. Gärfutterbereitung—ohne baukostenaufwand und einfach! Kärntner Bauer 103:76-77. Mar.1,1953. 19 K14

43852 FEED facts. Farm Q. 8:58-61,145-149. Spring 1953. 6 F22995
Balanced ration for farm animals and nutritive value of feed.

43853 GMELIN. Die fütterung in der zweiten winterhälfte. Württemb. Wchnbl. f. Landwirt. 120:105-106. Jan.31,1953. 18 W96

43854 GMELIN. Hafer nicht gefragt. Bad. Landwirt. Wchnbl. 120:201. Feb.28,1953. 18 B142
As livestock feed.

43855 HANSEN, S. I. A revolution in fodder production; Danish farmers grow more coarse fodder and make better use of it. Dan. Foreign Off. J. 7:10-12. 1953. 286.8 D22

43856 HARTFIEL, W. Der einfluss der erntebedingungen auf den heu- und grünfutterwert. Ausbild. u. Beratung in der Landwirt. 6:19. Jan.1953. 18 N11

43857 HAY, J. G. The quality of cereals and their industrial uses: the by-products of wheat and their nutritive values. Chem. & Indus. 9:185-190. Ref. Feb.28, 1953. 382 M31C
As feed.

43858 HOARD'S Dairyman round table: "how we put up grass silage." Hoard's Dairyman 98(5):223,240-241. Mar.10,1953. 44.8 H65

43859 HOMB, T. Kjemisk sammensetning og fordøyelighet av engvekster. Chemical composition and digestibility of grassland crops. Norges Landbrhøgsk. Fôringsforsøkene. Beret. 71,214 p. Ref. Feb.7,1953. 104 N762
English summary.
Thesis (Ph.D)-Norges Landbrukshøgskole.

43860 HORNICH. Das wichtigste bei der mineralstoffversorgung bleibt das viehsalz. Landwirt. Mitt. 93 (3):2. (Concl.) Feb.1,1953. 19 L236

43861 HUNTER, H. High protein feeding barley. Gt. Brit. Min. Agr. Agriculture 69:536-540. Feb.1953. 10 G79J

43862 JENSEN, H. L. Silage problems. (In Danish.) Jydsk Landbr. 35:127-128. Feb.19,1953. 11 J99
Nutritive value.

43863 JUAREZ G., L. La hoja de yuca como forraje. Agr. Trop. 9:7-10. Jan.1953. 26 Ag8

43864 KANDATSU, M., and NISHI, H. Studies on the nutritive value of grass proteins. 1. On the isolation of proteins from leaves of red clover and orchard grass. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:562-567. Ref. 1952. 385 Ag8
English summary.

43865 KOLLER, R. Wuchsmittel. Bauer 6(4):2-3. Jan.24,1953. 19 B32
Vitamins in animal nutrition.

43866 KONDYREV, V. E. Ensiling waste products of fields and vegetable gardens. (In Russian.) Kormovaîa Baza 3(10):43-46. Oct.1952. 60.8 K84

43867 KÖRBER, F. Tierhaltung nach trockenjahren. Kärntner Bauer 102:641-643. Dec.20,1952. 19 K14
Feeding.

43868 KORMSHCHIKOV, P. A. Practical method for processing straw with lime to increase its nutritive value. (In Russian.) Kormovaîa Baza 3(12):38-41. Dec.1952 60 K84

43869 KUPPERS-SONNENBERG, G. A. Der futterwert von topinamburkraut. Praxis u. Forsch. 5:24. Feb. 20,1953. 18 P89

43870 LAVEZZINI, V. Advantages of ensiling forage plants. (In Italian.) Avvenire Agr. 61:31-35. Feb.1953. 16 Av9
Nutritive value.

43871 LIVINGSTON, J. "Dry hope"—in the South. Kraftsman, Prod. Ed. 2:13. Spring 1953. 44.8 K85
Silage as feed.

43872 LOOSLI, J. K. Efficiency of farm animals in the conversion of feed to human use. Canad. Milling & Feed 34(3):33-34,46,56. Mar.1953. 298.8 C162

43873 LUSHCHIKOVA, A. V. Silage sunflower for the Ulyanovsk Region. (In Russian.) Kormovaîa Baza 3(10): 41-42. Oct.1952. 60.8 K84

43874 MEDNIS, Î A. A. Utilization of liquid feeds during winter feeding of livestock. (In Russian.) Sotsialist. Zhivotnovod. 14(12):18-20. 1952. 49 So71

43875 MEDVEDEV, P. F. Malva - new silage crop. (In Russian.) Kormovaîa Baza 3(10):38-41. Oct.1952. 60.8 K84

43876 MELVILLE, J., JEPSON, W., and MURPHY, B. E. Symposium on the principles and practices of making silage. Massey Agr. Col. Dairyfarming Annu. 1952:45-59. 44.9 M382

43877 MICKELSEN, O. Nutritional aspects of antibiotics. Amer. Dietet. Assoc. J. 29:221-229. Ref. Mar.1953. 389.8 Am34
Livestock.

43878 MOLEN, H. V. D., and KAPELLE, D. The use of whey paste and powder in the manufacture of silage. (In Dutch.) Zuivelbereiding en -Handel 58:735-737,739-741. Aug.12,1952. 44.8 N282

43879 MOORE, L. A., IRVIN, H. M., and SHAW, J. C. Relationship between TDN [Total Digestible Nutrient content] and energy values of feeds. J. Dairy Sci. 36:93-97. Ref. Feb.1953. 44.8 J822

43880 MORDVINTSEV, G. G. Experiment in ensiling seed and grass remainders [after harvesting]. (In Russian.) Kormovaîa Baza 3(11):47. Nov.1952. 60.8 K84

43881 NATIONAL COTTONSEED PRODUCTS ASSOCIATION. 1953 feeding practices. Natl. Cottonseed Prod. Assoc. B. 30,44 p. 1953. 72.9 N213B

43882 ORTH. Gärfutter und halbheu. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:24-25. 1953. 18 K96

43883 PEDRO, G. L'alimentation du bétail en Basse-Kabylie. Elevage et Cult. 5(49):7,10. Jan.1953. 24 EL2

43884 PORTER, J. W. G. Present knowledge of the metabolic role of vitamin B_{12} and related compounds, with particular reference to the role of cobalt in ruminant metabolism. Nutr. Soc. Proc. 12:106-114. Ref. 1953. 389.9 N953

43885 PRADT, A. Das wichtigste zukauffutter für den bauernhof: eiweisskonzentrat mit futterhefe. Übersicht 4:105-106. Jan.1953. 18 Ub3

43886 RISI, J. La forêt au service de l'agriculture. 10. Mélasses fourragéres à base de sucre de bois. Forêt Conserv. 19(2):11. Feb.1953. 99.8 F792

43887 ROBINSON, D. H. Modern methods of making silage. Field Annu. 1953:119-120,122,125. 10 F45A

43888 ROCHA, G. L. DA. Feed reserves for the drought period. (In Portuguese.) São Paulo. Dir. de Publicidade Agr. B. de Agr. 51:503-518. 1950,pub.1952. 9.2 Sa63

43889 ROL, C. Calculation of feed rations. IV. (In Dutch.) Drents Landbbl. 34(7):14. Feb.12,1953. 12 D812

43890 ROSAGER, H. K. Fat content of feed concentrates. (In Danish.) Jydsk Landbr. 35:100-101. Feb. 12,1953. 11 J99

43891 ROSAGER, H. K. More fat in concentrated feed mixtures. (In Danish.) Jydsk Landbr. 35:57. Jan. 22,1953. 11 J99

43892 RUFIN, G. Résultats d'ensilage de fourrage vert. Jura Agr. (n.s.)117:1. Feb.15,1953. 14 J97

43893 SALGANSKIÏ, A. A. Experiment in pasture maintenance without enclosures of spotted reindeer. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):52-58. Sept./Oct.1952. 49 K14

43894 SCHACHL, M. Futterwerbungsverluste. Bauer 6(3):2-3. Jan.17,1953. 19 B32

43895 SCHEPP. Gegenüberstellung der neuesten versuche über APF und mitwirkende faktoren. Deut. Tierärztl. Wchnschr. 60:96-98. Feb.15,1953. 41.8 D482

43896 SCHOORL, P. Views on byproducts of rice hullingworks. (In Dutch.) Hemera Zoa 59:551-558. Nov./Dec.1952. 41.8 V51
English summary.
Value of rice bran and rice polish as feed.

43897 SCHRENK, W. G., and others. Dehydrated alfalfa. Kans. Agr. Expt. Sta. B. 356,64 p. Ref. Feb. 1953. 100 K13S
H. L. Mitchell, R. E. Silker, C. O. Grandfield, W. H. Honstead, and R. G. Taecker, joint authors.

43898 SHEEHY, E. J. Separated milk and substitutes. Agr. Ireland 10:63-64. Mar.1953. 10.5 Ag8
Nutritive value of skim milk as feed.

43899 SHEEHY, E. J. Some general features of farm feeding. Agr. Ireland 10:37-39. Feb.1953. 10.5 Ag8

43900 SIMON, E. Preparation of feeds for feeding. (In Russian.) Kolkhoz. Proizvodstvo 12(12):36-37. Dec. 1952. 281.8 K83

43901 SIMON, L. Neuere erkenntnisse und erfahrungen in der gärfutterbereitung. Allgäuer Bauernbl. 21: 126-127. Feb.26,1953. 18 AL53

43902 SIMON, M. Comment améliorer les ensilages de pulpe, de feuilles et de collets de betterave sucrière? Inst. Belge pour l'Amélior. de la Betterave. P. de Vulg. 2:15-32. Aug.1952. 66.9 In7P

43903 SKRIGAN, A. I. Saccharification (hydrolysis) and fermenting of rough feed for the purpose of increasing its nutritive value. (In Russian.) Kormovaîa Baza 4:52-55. Jan.1953. 60.8 K84

43904 SKRIPOV, I. V. Turnips on the steppe belt of Siberia. (In Russian.) Kormovaîa Baza 3(12):34-37. Dec. 1952. 60 K84
Feed.

43905 SMALCELJ, I. Provision of our livestock fund with animal, namely "biologically" valuable proteins. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:854-860. 1952. 41.8 V6494

43906 SRETENSKIÏ, V. M. Influence of the feeding area upon the vegetative growth and the nutritive value of sunflowers for silage. (In Russian.) Kormovaîa Baza 4(2):40-44. Jan.1953. 60.8 K84

43907 STAEHLER, H. Portionsweide besser als umtriebsweide? Deut. Landwirt. Presse 76:2-3. Jan. 10,1953. 18 D482

43908 STAZZI. We should protect our zootechnic heritage. (In Italian.) (Extr.) Allevatore 9(6):4,7. Feb. 8,1953. 49 AL55
Feeding and sanitation of Italian livestock.

43909 TINDALL, C. Why all this talk about vitamin-A? Poor quality roughages can be made into better feed by adding vitamins nature failed to put in them. Mo. Rur. 94(3):6-7,44-45. Feb.14,1953. 6 R8891

43910 TURNER, J. H., NIGRO, J., and COTTON, R. H. A study of siloed beet pulp. Amer. Soc. Sugar Beet Technol. Proc. 7:700-704. 1952. 66.9 Am35

43911 UBALDI, L. Feed requirements of animals—mineral and vitamin contents. (In Italian.) Allevatore 9 (5):5-6. Feb.1,1953. 49 AL55

43912 VIMEUX, J. Ce que les utilisateurs de farine de viande doivent savoir. Indus. de l'Aliment. Anim. 29: 9. Jan.1953. 389.78 In2

43913 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Stretching your winter feed supplies. Va. Agr. Col. Ext. C. 567,5 p. Nov.1952. 275.29 V81C

43914 WACHLI, E. Ernährungsgrundsätze der viehfütterung. Grüne 81:203-209. Feb.20,1953. 17 Sch9

43915 WILSON, C. P. The livestock-feed balance. Flour & Feed 53(10):12. Mar.1953. 298.8 F66
Kansas.

43916 ZAPPA, R. How to select concentrated feeds on the basis of nutritive value and price. (In Italian.) Terra e Sole 126:43-45. Feb.1953. 16 T273

43917 ZELTER, S. Z. Du pressoirà l'auge, les pommes et les marcs dans l'alimentation des animaux. Rev. de l'Élevage 8:129,131. Feb.1953. 49 B462

43918 ZORN, W. Die futterwirtschaft im landwirtschaftlichen betrieb. Allgäuer Bauernbl. 21:63-64. Jan. 29,1953. 18 AL53

43919 ZUBRILIN, A. A. Ensuring increased production in livestock raising during the winter season. (In Russian.) Kormovaîa Baza 3(11):40-46. Nov.1952. 60.8 K84
Nutritive value of green feed.

VETERINARY MEDICINE

43920 ANDERSEN, S. The foot and mouth disease problem. (In Danish.) Jydsk Landbr. 35:111-114. Feb. 19,1953. 11 J99

43921 ANDRADE, H. A. Free veterinary assistance. (In Portuguese.) Granja [Porto Alegre] 9(67):36. Oct. 1952. 9.2 G76
Brazil.

43922 ANNUNZIO, G. D'. Reason is with the strong. (In Italian.) Prog. Vet. 8:42-44. Jan.15,1953. 41.8 P942
Status of Italian veterinarians.

43923 BARNETT, A. J. G. The reduction of nitrate in mixtures of minced grass and water. J. Sci. Food & Agr. 4:92-96. Ref. Feb.1953. 382 So12
Nitrite toxic to livestock.

43924 BEAMER, E. V. Blood counts in small-animal practice. No. Amer. Vet. 34:192-193,196. Mar.1953. 41.8 N812

43925 BELIN, C. Le-vaccin anti-aphteux Belin. Off. Internatl. des Epiz. B. 39,i.e.38:103-107. Jan./Feb. 1953. 41.8 Of2

43926 BELTRAN MONFERRER, J. M. Zoonosis transmisibles a la especie humana. II-III. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:54-57,79-80. Mar.-Apr. 1952. 15 C14
Trichinosis.

43927 BERTI, R. Statistics in modern veterinary organization. (In Italian.) Prog. Vet. 7:785-786. Dec.1, 1952. 41.8 P942

43928 BIESTER, H. E. Veterinary research at Iowa State College. Iowa Vet. 24(2):9-11,24,26,28,30. Mar./Apr.1953. 41.8 Io9

43929 BORG, H. TER. Control of contagious abortion. (In Dutch.) Landbode 7(3):2. Jan.15,1953. 12 L234

43930 BOUCKAERT, J. H., and OYAERT, W. Fate of some nitrogen compounds in the rumen. Zootechnia 1(6): 21-29. Ref. Nov./Dec.1952. 41.8 Z73

43931 BOURNE, R. F. Photosensitization. No. Amer. Vet. 34:173-175. Mar.1953. 41.8 N812

43932 BURCH, G. R. Use of progesterone in preparturient prolapse of the vagina. Calif. Vet. 6(3):19,31. Jan./Feb.1953. 41.8 C12

43933 BURNS, R. H. G. A review of veterinary anaesthesia. Austral. Vet. J. 28:313-322. Ref. Dec. 1952. 41.8 Au72

43934 BUSHOFF. Wichtiges zur tierseuchenbekämpfung. Tierärztl. Umschau 8:57-58. Feb.1953. 41.8 T445

43935 CALIFORNIA STATE VETERINARY MEDICAL ASSOCIATION. Report of the winter conference, January 26, 27 and 28, 1953, at the University of California at Davis. Calif. Vet. 6(3):20-27. Jan./Feb.1953. 41.8 C12

43936 CASTELLA BERTRAN, E. Primeros cuidados a los animales enfermos. 1. Agr. Trop. 9:11-16. Jan. 1953. 26 Ag8

43937 CATCOTT, E. J., THARP, V. L., and JOHNSON, L. E. Beta ray therapy in ocular diseases of animals. Amer. Vet. Med. Assoc. J. 122:172-175. Mar.1953. 41.8 Am3

43938 CEDRO, V. C. F. Diferenciación de la Brucella suis por la prueba de la ureasa. Rev. de Med. Vet. [Buenos Aires] 34:81-84. Apr./June 1952. 41.8 B86
English summary.

43939 COHRS, P., SCHULTE, F., and SCHNEIDER, B. Die pathologischen veränderungen der nach infektion mit dem maul- und klauenseuche-virus abgestorbenen hühnerembryonen. Monatsh. f. Tierheilk. 5:8-13. (Cont.) 1953. 41.8 M74

43940 CONFERENCE FOR THE STUDY OF PROBLEMS OF IMMUNIZATION AGAINST FOOT-AND-MOUTH DISEASE. 6, COPENHAGEN, 1952. Procès-verbal. Off. Internatl. des Epiz. B. 39,i.e.38:17-198. Jan./Feb.1953. 41.8 Of2
Some sections in French and English.

43941 CYPRUS. VETERINARY SERV. Annual report for 1951. Nicosia?1952? 8 p. 21 C99

43942 DALLING, T. Diseases of animals. Roy. Agr. Soc. Eng. J. 113:192-200. Ref. 1952. 10 R81

43943 DALRYMPLE-CHAMPNEYS, SIR W. Brucella infections in man and animals in Great Britain: epidemiology and the future. Vet. Rec. 65:99-104. Feb.14,1953. 41.8 V641
Includes discussion.

43944 DAVIES, D. R , RISLEY, J. E., and RUTLAND, J. P. The hydrolysis of choline esters by tissues of the ruminant. (Abs.) Biochem. J. 53:513. Feb.1953. 382 B52

43945 DE BURGH-O'BRIEN, P. Ye ancient veterinary art. Thoroughbred Calif. 16:230-231,292. Mar.1953. 42.8 T393

43946 DEMNITZ, A. Mesures d'immunisation prises contre la fièvre aphteuse règnant actuellement en Allemagne. Off. Internatl. des Epiz. B. 39,i.e.38:79-89. Jan./Feb.1953. 41.8 Of2

43947 DENMARK. LANDØKONOMISKE DRIFTSBUR. Undersøgelser over landbrugets driftsforhold periodiske beretninger. VIII. Tab ved mund- og klovesygeangerebene 1951-52 [Farm management investigations. Periodic reports. VIII. Losses from foot and mouth disease, 1951-52]. København,1953. 15 p. 11 D414P
English summary.

43948 DESLIENS, L. Traitement préventif de la fièvre aphteuse par transfusion de sang de convalescents. Acad. d'Agr. de France. Compt. Rend. 38:768-775. Dec.3/17,1952. 14 P215Bc
Includes discussion.

43949 DOUGHERTY, R. W. Physiological studies of eructation in ruminants. Amer. Vet. Med. Assoc. J. 122: 220. Mar.1953. 41.8 Am3

43950 DURRELL, W. B. How Canada stamped out foot and mouth. Hoard's Dairyman 98:276-277,284. Mar. 25,1953. 44.8 H65

43951 EGGLETON, P., and FEGLER, G. The oxidation of oxyhæmoglobins from different animal species. Q. J. Expt. Physiol. & Cog. Med. Sci. 37:85-89. May 1952. 447.8 Q1

43952 ENIGK, K. Behandlung des lungenwurmbefalles der wiederkäuer durch aërosole. Monatsh. f. Tierheilk. 5:14-22. Ref. 1953. 41.8 M74

43953 ESSERMAN, H. B. The mode of action of phenothiazine as an anthelmintic. II. Austral. J. Sci. Res. Ser. B, Biol. Sci. 5:485-495. Ref. Nov.1952. 442.8 Au72

43954 FARQUHARSON, J., DELAHANTY, D. D., and MILNE, F. J. Terramycin in large animal medicine. Amer. Vet. Med. Assoc. J. 122:176-181. Mar.1953. 41.8 Am3

43955 FRANCO, H. F. Bases for modern chemotherapy. (In Portuguese.) Granja [Porto Alegre] 9(67): 35-36. Oct.1952. 9.2 G76
Knowledge of the physiology of disease producing organisms as a means of controlling disease in animals and man.

43956 FRENKEL, H. S. Research on foot-and-mouth disease: on the use of bovine tongue epithelium imported from countries free of foot-and-mouth disease virus for practical scale cultivation in vitro of this virus. Off. Internatl. des Epiz. B. 39,i.e.38:137-139. Jan./Feb.1953. 41.8 Of2

43957 FRENKEL, H. S. Research on foot and mouth disease: the cultivation of the virus on a practical scale in explantations of bovine tongue epithelium. Off. Internatl. des Epiz. B. 39,i.e.38:98-102. Jan./Feb.1953. 41.8 Of2

43958 GALLINA, L. Little-known facts of obstetrical character. (In Italian.) Riv. di Zootec. 26:28-29. Jan. 1953. 49 R52

43959 GANNUSHKIN, M. S. In regard to reorganization of the teaching of epizootiology in veterinary higher institutions of learning on the basis of Michurinite biology and Pavlov physiology. (In Russian.) Veterinariia 30:15-21. Jan.1953. 41.8 V6426

43960 GEIGER, W. Types de virus déterminés au cours de l'épizootie de fièvre aphteuse de 1951. Off. Internatl. des Epiz. B. 39,i.e.38:167-173. Jan./Feb. 1953. 41.8 Of2

43961 GEIGER, W. Les vaccins adsorbés pendant l'épizootie de 1951-1952. Off. Internatl. des Epiz. B. 39,i.e.38:70-78. Jan./Feb.1953. 41.8 Of2
Foot-and-mouth disease vaccines.

43962 GOLOSHCHAPOV, ÎU. N. The work of the zooveterinary system—at the level of the new problems. (In Russian.) Veterinariia 29(12):9-14. Dec.1952. 41.8 V6426

43963 GONCHAROV, A. F. Tuberculosis and lung diseases of northern reindeer. (In Russian.) Veterinariia 30:30-32. Jan.1953. 41.8 V6426

43964 GOVOROV, N. P., and KOROLEV, V. M. Roots of Caucasian Gomphocarpus as a medicinal remedy for intestinal diseases of young animals. (In Russian.) Veterinariia 30:44-45. Jan.1953. 41.8 V6426

43965 GRAHAME, T. The pelvis and calyces of the kidneys of some mammals. Brit. Vet. J. 109:51-55. Feb.1953. 41.8 V643

43966 HARDENBERGH, J. G. AVMA research. (Extr.) Iowa Vet. 24(2):18. Mar./Apr.1953. 41.8 Io9

43967 HAUSMANN, W. Trockenimpfstoffe unter besonderer berücksichtigung von rotlauf- und bangimpfstoff. Berlin. u. Münch. Tierärztl. Wchnschr. 66:40-43. Feb.1,1953. 41.8 B45

43968 HEGAZI, A. E. The spleen of the camel compared with other domesticated animals and its microscopic examination. Amer. Vet. Med. Assoc. J. 122:182-184. Mar.1953. 41.8 Am3

43969 HEPDING, L. Anthelminthische und toxikologische untersuchungen mit dem anthelminthicum "Evultin." Berlin. u. Münch. Tierärztl. Wchnschr. 66:53-56. Ref. Feb.15,1953. 41.8 B45

43970 HERRERO CONESA, D. Profilaxis de la rabia. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 54:4-5. (Cont.) Nov.1952. 15 Sa7

43971 HERRERO CONESA, D. Profilaxis de la rabia. Saragossa. Cám. Ofic. Sind. Agr. Rev. Mens. 56:26-28. Jan.1953. 15 Sa7
In man.

43972 HERRICK, J. B. Livestock diseases, 1953. Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:118-119. Jan. 1953. 275.28 Io94

43973 HOLM, P. Essais comparatifs sur cobayes entre le vaccin anti-aphteux V.A.P. et le vaccin anti-aphteux courant (Schmidt-Waldmann). Off. Internatl. des Epiz. B. 39,i.e.38:116-118. Jan./Feb.1953. 41.8 Of2

43974 JORDAN, J. E. Clinical experience with polycin in a small animal practice. Amer. Vet. Med. Assoc. J. 122:185-188. Mar.1953. 41.8 Am3

43975 KATALINIC, H. Vaccination anti-aphteuse en Yougoslavie. Off. Internatl. des Epiz. B. 39,i.e.38:175-179. Jan./Feb.1953. 41.8 Of2
English summary.

43976 KESTEVEN, K. V. L. International co-operation in pest control. Roy. Agr. Soc. Eng. J. 113:77-81. 1952. 10 R81
Rinderpest.

43977 KODRNJA, E. Wolves and other wild animals as a reservoir of the rabies virus and destroyers of domestic animals. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:687-702. 1952. 41.8 V6494
English summary.

43978 KOLLIGS, A. Verbreitung parasitärer tierkrankheiten im kreise Geilenkirchen-Heinsberg. Giessen, 1952. 47 p. 41.2 K837
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

43979 KRAFZEL, E. Untersuchungen über die dissoziation der Brucella abortus Bang. Giessen,1952. 46 p. 41.2 K856
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

43980 KRÄMER, H. H. Neue untersuchungen über die totenstarre. Monatsh. f. Vetmed. 8:12-14. Ref. Jan.1, 1953. 41.8 M742

43981 KUIUMDZHIEV, I. Une méthode élective de coloration du Mycobacterium paratuberculosis, comme modification du procédé de Hallberg appliqué au M. tuberculosis. (In Bulgarian.) Bulgarska Akad. na Nauk. Mikrobiol. Inst. Izv. 3(3):91-100. 1952. 448.39 B87
French summary.

43982 KUIUMDZHIEV, I. Une nouvelle méthode de coloration de l'agent pathogéne de l'agalaxie contagieuse (Borrelomyces agalactiae). (In Bulgarian.) Bulgarska Akad. na Nauk. Mikrobiol. Inst. Izv. 3(3):83-90. 1952. 448.39 B87
French summary.

43983 LAISNE, M. Devrons-nous reviser nos conceptions au sujet de la fièvre aphteuse? Rustica 26:147-148. Feb.15,1953. 14 R92

43984 LARSEN, L. H. Recent advances in anaesthesia. Austral. Vet. J. 28:323-332. Ref. Dec.1952. 41.8 Au72
Includes discussion.

43985 LATTEUR, J. P. Les brucelloses. Rev. de l'Agr. 6:135-200. Feb.1953. 13 R322
English summary.

43986 LIEGEOIS, F., and DERIVAUX, J. Considérations sur l'étiopathogénie des ostéopathies malaciques chez les animaux domestiques. Cong. Internatl. de Biochim..Résumés des Commun. 2:335. 1952. 386.2 In84

43987 LOCKHART, G. P. Investigación y nuevos productos en medicina veterinaria. Res 21:27742-27743. Jan.20,1953. 286.85 R31

43988 LÜHRS. Zum verlauf der maul- und klauenseuche. Landwirtbl. Weser-Ems 99:1012-1013. Oct.2, 1952. 18 I 2345

43989 MARKOV, G. P. Simplified method for taking blood samples for laboratory investigations. (In Russian.) Veterinariia 29(11):40-41. Nov.1952. 41.8 V6426

43990 MARSILI, S. Provisions, veterinary medicine and sanitation. (In Italian.) Prog. Vet. 8:87-88. Feb.1, 1953. 41.8 P942
Foods of animal origin in Italy.

43991 MATOV, K. Academician K. I. Skriabin-our honorable guest! (In Russian.) Veterinariia 29(12):14-17. Dec.1952. 41.8 V6426
Effect of his visit to Bulgaria on the development of veterinary medicine in that country.

43992 MICHALZIK, K. Trichomonas vaginalis und positive seroreaktion auf toxoplasmose. Deut. Med. Wchnschr. 78:307. Ref. Feb.27,1953. 448.8 D48
Includes livestock.

43993 MICHELSEN, E. Expérimentations et résultats d'expériences sur un vaccin anti-aphteux tétravalent. Off. Internatl. des Epiz. B. 39,i.e.38:65-69. Jan./Feb.1953. 41.8 Of2

43994 MOOSBRUGGER, G. A., and MAYER, K. La teneur en formol libre dans le vaccin anti-aphteux. Off. Internatl. des Epiz. B. 39,i.e.38:123-130. Jan./Feb.1953. 41.8 Of2

43995 MOSIN, V. V. Innovation in methods of novocaine block in animals. (In Russian.) Veterinariia 30:33-37. Jan.1953. 41.8 V6426

43996 MÜLLER, R., and ERICHSEN, L. VON. Der schwefel im stoffwechsel des wiederkäuers. 1. Z. f. Tierzücht. u. Züchtbiol. 60:285-295. Ref. Nov.1952. 442.8 Z35

43997 NEMTSOV, B. A. Utilization of formalin for treatment of foot-and-mouth disease. (In Russian.) Veterinariia 29(12):29-30. Dec.1952. 41.8 V6426

43998 NETCHAEV, P. Sarna. Agr. Costarricense 11:14-18,38-42. Jan.-Feb.1953. 8 Ag895

43999 NICHOLS, R. E. A flap operation for small ruminal fistulas. Amer. J. Vet. Res. 14:35-36. Jan.1953. 41.8 Am3A

44000 NICHOLS, R. E. An isolated rumen pouch. Amer. J. Vet. Res. 14:37-39. Jan.1953. 41.8 Am3A

44001 NIGERIA. VETERINARY DEPT. Annual report, 1950-51. Kaduna,1952. 60 p. 41.9 N56

44002 OREKHOV, M. D., and PED'KO, G. M. On enzootic encephalomyelitis in camels. (In Russian.) Veterinariia 29(11):27-29. Nov.1952. 41.8 V6426

44003 POLIAKOV, A. A. Sanitary measures in the control of foot-and-mouth disease. (In Russian.) Veterinariia 30:49-54. Jan.1953. 41.8 V6426

44004 POPKOVA, G. A. Potential methods of affecting the organism through the nervous system. (In Russian.) Veterinariia 30:38-40. Jan.1953. 41.8 V6426
X-ray and other methods.

44005 POPOV, V. G. On a head disease in reindeer. (In Russian.) Veterinariia 29(11):32-34. Nov.1952. 41.8 V6426
Necrobacillosis.

44006 PRUDKOGLIAD, F. N. Practices of the Novo-Titarov Central Zoo-Veterinary Section. (In Russian.) Veterinariia 30:9-14. Jan.1953. 41.8 V6426
Services to collective farms in Krasnodar Territory.

44007 RAKO, A. Studies in animal constitution. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:818-828. Ref. 1952. 41.8 V6494
English summary.

44008 RAMON, G. Address delivered on behalf of the International Office of Epizootics at the close of the Copenhagen Conference. Off. Internatl. des Epiz. B. 39,i.e.38:189-192. Jan./Feb.1953. 41.8 Of2

44009 RAMON, G. Introduction to the VIth Conference for the Study of the Problems of Immunisation against Foot-and-mouth Disease (Copenhagen, September 22nd-27th 1952). Off. Internatl. des Epiz. B. 39,i.e.38:50-56. Jan./Feb.1953. 41.8 Of2

44010 RAMON, G. A propos du vaccin anti-aphteux "trivalent": les vaccins associés polyvalents, leur base, leurs applications, résultats. Off. Internatl. des Epiz. B. 39,i.e.38:199-215. Ref. Jan./Feb.1953. 41.8 Of2
English summary.

44011 RASE, F., and LATTEUR, J. P. La fièvre aphteuse en 1951-1952. Rev. de l'Agr. 6:3-38. Jan.1953. 13 R322
English summary.

44012 RASPINI, J. M. Observaciones sobre la brucelosis en el nord-este de la Provincia de Salta. Rev. de Med. Vet. [Buenos Aires] 34:99-101. Apr./June 1952. 41.8 B86

44013 REINHARD, K. R. Newer knowledge of leptospirosis in the United States. Expt. Parasitol. 2:87-115. Ref. Jan.1953. 436.8 Ex7

44014 ROBERTSON, A., and THIN, C. A study of starvation ketosis in the ruminant. Brit. J. Nutr. 7:181-195. Ref. 1953. 389.8 B773

44015 ROGERS, A. A stockman's views on animal health. West. Live Stock 38(7):23,74-75,78. Feb.1953. 49 W523

44016 ROHRER, H. L'evolution de l'épizootie dans la République Démocratique Allemande aprés l'emploi preventif de vaccin O A. Off. Internatl. des Epiz. B. 39,i.e.38:140-147. Jan./Feb.1953. 41.8 Of2
Foot-and-mouth disease.

44017 ROLLE, M., and KALICH, J. Zur entstehung des tetanus aus dem darmkanal. Berlin. u. Münch. Tierärztl. Wchnschr. 66:37-39. Feb.1,1953. 41.8 B45

44018 RUST, J. H., and TRUM, B. F. Civil defense problems confronting the veterinarian in an atomic age. Vet. Med. 48:106-110. Mar.1953. 41.8 M69

44019 SACCO, P. The future of Italian veterinary medicine as seen by an eighty-year-old veterinarian. (In Italian.) Prog. Vet. 8:82-84,86. Feb.1,1953. 41.8 P942

44020 SCHILLING, E. Studien zur kausalität vorgeburtlicher sterblichkeit. Z. f. Tierzücht. u. Züchtbiol. 60: 263-281. Ref. Nov.1952. 442.8 Z35

44021 SCHMIDT FUNES, E. Sensibilidad de la reacción de fijación del complemento en el diagnostico de los virus aftosos. Rev. de Med. Vet. [Buenos Aires] 34: 69-74. Apr./June 1952. 41.8 B86
English summary.

44022 SCHMIDT-HOENSDORF, R., and HOLZ, J. Versuche zur klärung der serologischen verwandtschaft zwischen sarcoplasmen und Toxoplasmen. Berlin. u. Münch. Tierärztl. Wchnschr. 66:12-13. Jan.1953. 41.8 B45

44023 SERRAN, M. La brucellose, maladie d'avenir. Nature [Paris] 3204:122-124. Apr.1952. 473 N21

44024 SEVASTIANOVA, N. A. Inactivation and reactivation of [Salmonella enteritidis] phage. (In Russian.) Veterinariia 29(12):18-21. Dec.1952. 41.8 V6426

44025 SISSON, S., and GROSSMAN, J. D. The anatomy of the domestic animals. Ed. 4, rev. Philadelphia, Saunders,1953. 972 p. 41 Si82

44026 STEWART, J., and MOODIE, E. W. The absorption of magnesium from the alimentary tract of ruminants. Cong. Internatl. de Biochim. Résumés des Commun. 2: 147. 1952. 386.2 In84

44027 STORMORKEN, H., and TEIGE, J. Hypoprothrombinemia as a cause of fatal hemorrhage on expression of corpus luteum. (In Norwegian.) Nord. Vetmed. 5: 148-159. Ref. Feb.1953. 41.8 N813
English summary.

44028 TEERI, A. E., and others. Effect of sulfur dioxide-silage on vitamin excretion by ruminants. J. Anim. Sci. 12:15-18. Feb.1953. 49 J82
D. Josselyn, N. F. Colovos, and H. A. Keener, joint authors.

44029 THOMAS, J. A. La production du virus aphteux. Off. Internatl. des Epiz. B. 39,i.e.38:108-114. Jan./Feb.1953. 41.8 Of2

44030 THOMAS, J. A., and others. Le virus aphteux de culture in vivo sur embryome spécifique et électif, et la vaccination antiaphteuse. Acad. des Sci. Compt. Rend. 236:758-760. Feb.16,1953. 505 P21
C. Boulignat, J. Farges, and L. Cauchy, joint authors.

44031 TODD, F. A. Veterinary medicine in civil defense. Mil. Surg. 112:190-193. Mar.1953. 448.8 M59

44032 TSAREV, S. G. Synthetic arecoline. (In Russian.) Veterinariia 29(11):57-59. Nov.1952. 41.8 V6426
Effect on livestock.

44033 TSION, R. A., and KARKADINOVSKAIA, I. A. Experiment in preparation and utilization of therapeutic serum against brucellosis. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 18(11):39-42. 1952. 20 Ak1

44034 TWICKEL, C., FREIHERR VON. Gedanken zur bekämpfung der maul- und klauenseuche. Landwirt. Wchnbl. f. Westfalen u. Lippe ..0A:389. Mar.5,1953. 18 L2346

44035 UBERTINI, B. Observations et recherches sur l'infection aphteuse européenne du type A de 1951-1952. Off. Internatl. des Epiz. B. 39,i.e.38:148-166. Jan./Feb.1953. 41.8 Of2

44036 VALADAO, F. G. General outline of the present situation of rabies in Mozambique. (In Portuguese.) Gaz. do Agr. 4:310. Dec.1952. 24 G25

44037 VITTOZ, R. La fièvre aphteuse en Asie. Off. Internatl. des Epiz. B. 39,i.e.38:233-246. Jan./Feb.1953. 41.8 Of2

44038 VOCINO, G. Efficacy of antibiotics in practice. (In Italian.) Croce Azzurra 3(6):17-24. Nov./Dec. 1952. 41.8 C87

44039 WEINSHEIMER, P. A. Verbreitung parasitärer tierkrankheiten im Kreise Daun. Giessen,1952. 35 p. 41.2 W438
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

44040 WELLS, K. F. La fièvre aphteuse au Canada. Off. Internatl. des Epiz. B. 39,i.e.38:180-184. Jan./Feb. 1953. 41.8 Of2

44041 WILKINSON, G. T. The pathology of navicular disease. II. The histopathological features of the disease. Brit. Vet. J. 109:55-59. Ref. Feb.1953. 41.8 V643

44042 WILLEMS, R., and LEUNEN, J. Essais d'immunisation trivalente O-A-C. Off. Internatl. des Epiz. B. 39,i.e.38:57-64. Jan./Feb.1953. 41.8 Of2
Foot-and-mouth disease virus vaccines.

44043 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. DEPT. OF VETERINARY SCIENCE. Foot and mouth disease. Wis. Agr. Col. Ext. C. 431,4 p. Dec.1952. 275.29 W75C

44044 ZAITSEV, N. V. Riàpinan Central Zootechnical-Veterinary Section. (In Russian.) Veterinariia 29 (11):9-13. Nov.1952. 41.8 V6426
Services for collective farms.

44045 ZAVAGLI, V. Paralytic rabies transmitted by a bat in the Central and South American countries. (In Italian.) Zooprofilassi 7:489-493. Nov.1952. 41.8 Z72

MISCELLANEOUS

44046 AMERICAN SOCIETY OF ANIMAL PRODUCTION. A summary of the minutes of the forty-fourth business meeting. J. Anim. Sci. 12:227-234. Feb.1953. 49 J82

44047 CIARROCCHI, E. The powers of the Directorate of Slaughterhouses with respect to municipal veterinary service. (In Italian.) Prog. Vet. 7:780-781. Dec. 1,1952. 41.8 P942

44048 GARCIA CARLOS, S. El peso en los animales de carnicería. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:81. Apr.1952. 15 C14

44049 GATTI, L. Livestock raising in central-southern Brazil. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2,p.435-510. Firenze,1952. 282.2 R66

44050 GIFFORD, C. W. Purebred shows and sales—they need some changes! Farm J. 77(4):52,191-193. Apr. 1953. 6 F2212

44051 GIUFFRIDA, S. On the attributes of directors of slaughterhouses. (In Italian.) Prog. Vet. 8:112,114. Feb.15,1953. 41.8 P942

44052 GREVE S., G. Los torneos zootécnicos del Sur. Agr. Austral 20:352-353. Nov./Dec.1952. 9.3 Ag842
Chile.

44053 HADZIDEDIC, I. Demand for modern slaughterhouses in Bosnia and Herzegovina. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:861-867. 1952. 41.8 V6494

44054 HAMMOND, J. Farm animals; their breeding, growth and inheritance. Ed. 2. London,Arnold,1952. 266 p. Ref. 40 H18

44055 JOHNSON, G. F. "Shoot" better livestock and poultry pictures and enjoy it! Co. Agent & Vo-Ag Teacher 9(2):10,12-14. Feb.1953. 275.28 N213

44056 JONES, E. Just your meat, or, The judging of meat animals. London,Natl. Fed. Young Farmers Clubs, 1952. 39 p. 50 J712

44057 JORDANO BAREA, D. La clasificación decimal zootécnia. B. de Zootec. 8:351-354. (Cont.) Nov.1,1952. 41.9 So16

44058 JOYCE, E. B. Aspects of station management. I. Management and labour. Past. Rev. 63:14-16. Jan.19, 1953. 23 Au75

44059 KEIFL, K. Norrbottens Län und seine schlächtereigenossenschaft. Agr. Rundschau 9:36-40. Winter 1952/53. 280.8 Ag82

44060 LITTON, G. W., and HERRING, G. Spring care of hogs, sheep, and beef cattle. Prog. Farmer, Carolinas-Va. Ed. 68(3):23,28. Mar.1953. 6 P945

44061 LĬUBIMOV, M. P. Branding marals. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):59-61. Sept./Oct.1952. 49 K14

44062 MAKSIMOVIĆ, M. Measures for improvement of animal husbandry. (In Serbo-Croatian.) Vojvodanski Poljoprivrejnik 8(15):1-2. Nov.1952. 21.5 V87

44063 NEVZOROV, G. A. Organization of livestock wintering on Lenin Collective Farm [in Sinedel'nikov District, Dnepropetrovsk Region]. (In Russian.) Sotsialist. Zhivotnovod. 15(1):12-16. Jan.1953. 49 So71

44064 NIKOL'SKĬĬ, A. Achievements of Kollektivist Collective Farm livestock raisers. (In Russian.) Kolkhoz. Proizvodstvo 12(11):54-55. Nov.1952. 281.8 K83

44065 OBEE, H. 42. DLG-wanderausstellung; eine sehr vielseitige tierschau wird vorbereitet. Deut. Landwirt.-Gesell. Mitt. 68:204-206. Feb.26,1953. 18 N39

44066 ONVLEE, L. Livestock and for what to own it in Sumba. (In Dutch.) Hemera Zoa 59:568-584. Nov./Dec.1952. 41.8 V51
English summary.

44067 PROULX, J. R. Avant l'hivernage des bestiaux. Digeste de l'Eleveur 7:7-10. Sept.1952. 49 D56

44068 RASMUSSEN, I. Création des abattoirs coopératifs au Danemark. Inst. Prov. de Coop. Agr. B. 12: 29-44. Feb.1953. 280.29 L62

44069 RUDENKO, A. K. A leading demonstration farm [of the Mainov Zootechnical School]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1: 84-86. Jan.1953. 20 D742

44070 SACCO, P. The organization of livestock raising in Belgium. (In Italian.) Humus 8(12):22-25. Dec. 1952. 16 H88

44071 SERIC, H. Production of livestock in Bosnia and Herzegovina in the prehistoric period. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:814-817. 1952. 41.8 V6494
English summary.

44072 SIDDHIJAI, P. Farm animal in Thailand. (In Siamese.) Kasikorn 25:361-366. Sept.1952. 22.5 K15
English summary.

44073 SIMAKOVA, E. A. Zootechnical study at Politotdelets Kolkhoz. (In Russian.) Sotsialist. Zhivotnovod. 14(11):8-11. Nov.1952. 49 So71

44074 SLUTSKER, M. N. In regard to the introduction of scientific achievements and leading practices on livestock raising farms. (In Russian.) Sovet. Zootekh. 7 (11):84-88. Nov.1952. 49 So822

44075 SOLNTSEV, K. M. On the achievements of the South-Eastern Zonal Scientific-Research Institut of Animal Husbandry and Feed Production. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1: 63-68. Jan.1953. 20 D742

44076 STAFFE, A. Die haustiere Kolumbiens. Umschau 53:111-113. Feb.15,1953. 474 Um7

44077 STAROVEROV, N. A. Collective farm experimentation in animal husbandry. (In Russian.) Sotsialist. Zhivotnovod. 14(11):36-39. Nov.1952. 49 So71

44078 TORRENS PASTOR, A. Fara una mayor efectividad en los concursos de ganado. Balearic Isl. Diputación Prov. B. de Agr. 99:1-2. Dec.1952. 15 B19

44079 USPENSKĬĬ, G. A., and SALGANSKĬĬ, A. A. Experiment in domesticating the common eland. (In Russian.) Priroda 41(12):118-120. Dec.1952. 410 P933

44080 VOINOV, P. T. To carry out in an organized manner the wintering of livestock on collective farms in Gomel Region. (In Russian.) Sotsialist. Zhivotnovod. 15(1):7-11. Jan.1953. 49 So71

44081 YOHE, R. S. Improving livestock; progeny testing proves useful tool in Denmark. Colo. Rancher & Farmer 7(3):8,35. Feb.14,1953. 6 C714

44082 ZAL'TSMAN, L. M. Systems of livestock management and their special features in various areas of U.S.S.R. (In Russian.) Sovet. Zootekh. 7(12):17-30. Dec.1952. 49 So822

44083 ZHELEZNIAK, P. G. Animal husbandry of Moguchii Collective Farm. (In Russian.) Sotsialist. Zhivotnovod. 14(11):15-19. Nov.1952. 49 So71

44084 ZHELEZNIAK, P. G. Stalin Collective Farm [in Ukrainian SSR] is successfully developing its animal industry. (In Russian.) Sotsialist. Zhivotnovod. 15(1):24-28. Jan.1953. 49 So71

44085 ZUBRILIN, A. Important conditions for increasing the productivity of animals. (In Czech.) Za Socialist. Zemedel. 2:1380-1389. Dec.1952. 19.5 Z1

CATTLE

Breeds and Breeding

44086 ABERDEEN-ANGUS CATTLE SOCIETY. The Aberdeen-Angus herd book, v. 77. Aberdeen,1953. 548 p. 43.9 P76

44087 ADAM, R. M. Maintaining the quality of beef cattle. Scot. Farmer 61:284-285. Jan.10,1953. 10 Sco8
Line breeding.

44088 AERSØE, H. Chances of Red Danish dairy cattle in Italy. (In Danish.) Dansk Landbr. 72:55-56. Jan.29,1953. 280.28 V91

44089 ARNOLD, R. M. The "Jamaica-Hope"—a new breed of tropical dairy cattle; brief account of the development of the new breed. Agr. Soc. Trinidad & Tobago J. 52:295-297,299-302. Sept.1952. 8 T73

44090 AUSTRALIAN JERSEY HERD SOCIETY. Jersey stud book of Australia, v. 38, 1951. Brisbane,1952. 813 p. 43.9 Au7

44091 AVELSFÖRENINGEN FÖR SVENSK RÖD OCH VIT BOSKAP. Report of the activities of the Association for the Breeding of Swedish Red and White Cattle during the year 1952. (In Swedish.) Avelsför. f. Svensk Röd och Vit Boskap. Tidskr. 26:2-34. 1953. 43.9 Av32

44092 AYRSHIRE cattle in 1952. Scot. Farmer 61(3141):168-173. Jan.1,1953. 10 Sco8

44093 BANCO NACIONAL DE FOMENTO. Por la superación de la ganaderia hondureña. Banco Nac. de Fomento. B. 11(sup.),22 p. Nov.1952. 284.29 B2222
Cattle breeds and breeding.

44094 BEATTIE, W. A. Santa Gertrudis cattle. Past.Rev. 62:1302-1303. Dec.16,1952. 23 Au75

44095 BELIC, J. Recherches sur l'intensité de croissance de la race Simmental depuis la naissance jusqu'à sa croissance accomplie. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:11-64. Ref. 1952. 106.6 B41
French summary.

44096 BIANCHI, A. The progress of milk production of Brown Alpine and Black Pied cattle. (In Italian.) Allevatore 9(5):3-4. Feb.1,1953. 49 AL55

44097 BLOMKVIST, M. S. Importance of herdbooks in the system of measures for improvement of [dairy] cattle. (In Russian.) Sotsialist. Zhivotnovod. 14(11):49-55. Nov.1952. 49 So71

44098 BONDE, N. Cattle breeding in Jutland 1952. (In Danish.) Jydsk Landbr. 35:102-107. (Cont.) Feb.12, 1953. 11 J99

44099 BONFERT, A. Untersuchungen über die eignung verschiedener verschlüsse von samentransportgläschen. Fortpflanzung u. Besamung der Haustiere 3:11-12. Feb.15,1953. 41.8 F773

44100 BOWDEN, W. E. Artificial insemination—a review. Brit. Agr. B. 5:349-355. Mar.1953. 10 B776
Cattle breeding.

44101 BRIGUET, R. Advantages in crossing dairy cattle. (In Portuguese.) Granja [Porto Alegre] 9(67):46-47. Oct.1952. 9.2 G76

44102 BRIGUET, R. Alternate crossing does not cause herd degeneration. (In Portuguese.) Granja [Porto Alegre] 9(67):34. Oct.1952. 9.2 G76
Cattle.

44103 BURTON, A. C. British breeds of livestock. XVII. The Red Poll. Brit. Agr. B. 5:371-374. Mar.1953. 10 B776

44104 CARNEIRO, G. G. Testing dairy bulls under the penkeeping system in Brazil. J. Dairy Sci. 36:57-63. Ref. Jan.1953. 44.8 J822

44105 CASADY, R. B., MYERS, R. M., and LEGATES, J. E. The effect of exposure to high ambient temperature on spermatogenesis in the dairy bull. J. Dairy Sci. 36:14-23. Ref. Jan.1953. 44.8 J822

44106 COMTE, O. La race bovine Rouge du Danemark. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 18:3487-3492. (Cont.) Nov.1952. 24 C352

44107 COMTE, O. La race bovine Rouge du Danemark. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 18:3533-3535,3537-3540. (Cont.) Dec.1952. 24 C352

44108 CROSS, D. Ideal Red Poll in England and America almost identical. Red Poll News 17:9,58-61. Jan./Feb.1953. 43.8 R245

44109 DRACY, A. E., GRAHAM, E. F., and HIRSCH, M. Some similarities of monozygotic cattle noseprints. J. Dairy Sci. 36:11-13. Jan.1953. 44.8 J822

44110 DURNO, J. W. Can we do more to encourage use of Shorthorn bulls on the range herds. Mkt. Examiner 37(44):7-8. Feb.26,1953. 280.38 M34

44111 ELLENA, G. Quo vadis? (In Italian.) Nuova Agr. Milan. 3(5):1. Mar.1,1952. 16 C153
Cattle breeding.

44112 EMRICH, E. Bullenprüfstationen. Deut. Landwirt.-Gesell. Mitt. 68:208-209. Feb.26,1953. 18 N39

44113 ENGELER, W., and AMBROGIO, A. DELL'. On dimension and weight characteristics of Brown Alpine cattle in its original home. (In Italian.) Riv. di Zootec. 26:12-14. Jan.1953. 49 R52

44114 FAGOT, V. Voila comment j'ai ameliore mon betail. Sillon Belge 23(541):1,5. Jan.3,1953. 13 Si3
Breeding and care of cattle.

44115 FERRARI, E. Classification of the tested or breeding bull. (In Italian.) Nuova Agr. Milan. 3(7):1-2. Apr.1,1952. 16 C153

44116 FERRARI, E. On continuous stall maintenance of dairy bulls. (In Italian.) Riv. di Zootec. 26:14-15. Jan. 1953. 49 R52

44117 FISCHER, H. Die letalfaktoren des rindes. Fortpflanzung u. Besamung der Haustiere 3:1-2. Ref. Jan.7,1953. 41.8 F773

44118 FRASER, A. Successful breeding—science, or what? Young Farmer 21:19-20. Jan./Feb.1953. 10 Y8
Cattle breeding.

44119 FRIESCH rundvee-stamboek [Friesian cattle herdbook], 1950, v. 116. Leeuwarden,1952. 220 p. 43.9 F91

44120 FRIESCH rundvee-stamboek [Friesian cattle herdbook], 1950, v. 117. Leeuwarden,1953. unpaged. 43.9 F91

44121 FUNKQUIST, B. Boxholm's SRB herd. (In Swedish.) Lantmannen 37:154-156. Feb.14,1953. 11 L234

44122 GMELIN. Erbwertuntersuchungen an bullen der Württembergischen Fleckviehzucht. Tierzüchter 5: 115-117. Mar.5,1953. 49 T445

44123 GOMES, F. P., and PEIXOTO, A. M. Study on the variation in milk production in the Holstein Friesian breed. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:69-86. Ref. 1951. 102.5 P66A

44124 GOMIEN C., R. Razas de la ganaderia francesa: la raza bovina Normanda. Simiente 22:205-212. Ref. Jan./June 1952. 9.3 Si4

44125 HAMMOND, J. Contributions of artificial insemination and milk recording to the dairy industry. Soc. Dairy Technol. J. 6:15-21. Jan.1953. 44.8 So12
Includes discussion.

44126 HARDY, W. J. Ganado lechero Shorthorn. Agr. Austral 20:333-334. Nov./Dec.1952. 9.3 Ag842

44127 HARING, F. Züchterisch beeinflussbare faktoren der leistungssteigerung in der rinderzucht. (Extr.) Hannoversche Land- u. Forstwirt. Ztg. 106:149-150. Feb.7,1953. 18 H194

44128 HIGNETT, P. G. Infertility in dairy cattle. Iodine Inform. 36,41 p. Dec.1952. 382 Io22

44129 HINSHAW, K. Those sturdy red Devons, the grassfarmer's cow. Breeder's Gaz. 118(2):16. Feb.1953. 49 B74

44130 HOBSON, G. British Friesians in Scotland in 1952. Scot. Farmer 61(3141):73-77. Jan.1,1953. 10 Sco8

44131 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Holstein-Friesian herd-book, containing a record of all Holstein-Friesian cattle approved and admitted for entry since the close of the last volume, v. 125. Brattleboro,Vt.,1953. unpaged. 43.9 H74

44132 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Holstein-Friesian herd-book, containing a record of all Holstein-Friesian cattle approved and admitted for entry since the close of the last volume, v. 126. Brattleboro,Vt.,1953. unpaged. 43.9 H74

44133 HOLSTEIN-FRIESIAN ASSOCIATION OF CANADA. Holstein-Friesian herd-book, containing a record of all Holstein-Friesian cattle approved and admitted for registry from Jan. 1 to Sept. 24, 1952, v. 57. Brantford,1952. various pagings. 43.9 H743

44134 HURST, V. Dilution of bull semen with frozen egg yolk-sodium citrate. J. Dairy Sci. 36:181-184. Ref. Feb.1953. 44.8 J822

44135 JARDIM, W. R., and PEIXOTO, A. M. Note on a possible sublethal factor in Holstein-Friesian cattle. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An 8:381-386. 1951. 102.5 P66A
English summary.

44136 JOHNSON, W. Watch breeding practices now. Pacific Stockman 19(3):11. Mar.1953. 286.85 W52

44137 KARSTEN. Erfahrungen beim fortpflanzungs-überwachungs-verfahren. I-III. Hannoversche Land- u. Forstwirt. Ztg. 106:117-118,197,229-230. Jan.31,Feb. 14-21,1953. 18 H194
Cattle.

44138 KENNEDY, C. California, our Pacific Angus empire. Aberdeen-Angus J. 34(8):56-63,196,200,202,204. Mar.1953. 43.8 Ab3

44139 KOGUT, M. T. Breeding work on the dairy farms in the area of Khorol State Breeding Station. (In Russian.) Sotsialist. Zhivotnovod. 14(12):51-56. 1952. 49 So71

44140 KONIG. Allgäuer rinderleistungsstiere. Allgäuer Bauernbl. 21:79-80. Feb.5,1953. 18 AL53

44141 KRUSE, H. Holstein dairy farming in France. Holstein-Friesian World 50:497,589. Mar.7,1953. 43.8 H742

44142 KULISH, I. U. Artificial insemination of cattle on collective farms in the area of Molochansk State Breeding Station. (In Russian.) Sotsialist. Zhivotnovod. 15(1):77-79. Jan.1953. 49 So71

44143 LAING, J. C. Belted Galloway cattle in 1952. Scot. Farmer 61(3141):64. Jan.1,1953. 10 Sco8

44144 LAMOND, H. G. Battle of the breeds. Past. Rev. 63:18-19. Jan.19,1953. 23 Au75
Cattle breeds.

44145 LEWIS, C. Raising that Jersey calf. Jersey B. 72:314-315,354-359. Mar.10,1953. 43.8 J48

44146 LIKAR, I. Hypoerosis in cattle. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:801-809. Ref. 1952. 41.8 V6494
English summary.
Treatment with estrual hormones.

44147 LOVERING, F. W. Charbray breed spurs interest of Florida ranchers. Fla. Grower 61(3):15,24-25. Mar.1953. 80 F6622

44148 MCCULLOCH, D. Les bovins Shorthorn, race d'avenir. Digeste de l'Eleveur 7:21-23. Sept.1952. 49 D56

44149 MACKENZIE, A. Highland cattle in 1952. Scot. Farmer 61(3141):65-68. Jan.1,1953. 10 Sco8

44150 M'QUEEN, D. M. Galloway cattle in 1952. Scot. Farmer 61(3141):69-72. Jan.1,1953. 10 Sco8

44151 MAHADEVAN, P. The general life and production statistics of the Sinhala cattle of Ceylon. Empire J. Expt. Agr. 21:55-60. Jan.1953. 10 Em7

44152 MARANGON, A. Artificial insemination in 1952. (In Italian.) Gior. Econ. 37:614-619. Dec.1952. 280.8 G432
Cattle in Italy.

44153 MEAD, S. W. Effect of environment on sire provings. West. Dairy J. 9(5):32-34,36. Mar.1,1953. 44.8 W524

44154 MILLAR, G. C. Aberdeen-Angus cattle in 1952. Scot. Farmer 61(3141):57-63. Jan.1,1953. 10 Sco8

44155 MILLAR, G. C. Shorthorn cattle in 1952. Scot. Farmer 61(3141):49-56. Jan.1,1953. 10 Sco8

44156 MULLER, W. Normalisierung der milchleistung als grundlage für den erbwertvergleich. Bodenkultur 6:257-267. Ref. 1952. 19 B635

44157 NEWELL, P. F. Herd improvement. Livestock Wk. 7(13):26-27,78,86,88,90,92. Jan.29,1953. 49 L753
Beef cattle.

44158 OLDS, D., and SEATH, D. M. Repeatability, heritability and the effect of level of milk production on the occurrence of first estrus after calving in dairy cattle. J. Anim. Sci. 12:10-14. Ref. Feb.1953. 49 J82

44159 OVSIANNIKOV, G. F. Methods of improving the Yaroslavl breed of cattle (Uspenskaia Ferma Breeding State Farm). (In Russian.) Sovet. Zootekh. 7(12):49-60. Dec.1952. 49 So822

44160 PEDERSEN, K. Bull progeny tests 1951-52. (In Danish.) Jydsk Landbr. 35:69-71. Jan.29,1953. 11 J99

44161 PETROVIC, V. The results obtained from testing the gestation period of the Simmental cow. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:363-374. Ref. 1952. 106.6 B41
English summary.

44162 PINOTTI, B. Artificial insemination of heifers. (In Italian.) Prog. Vet. 8:107-109. Feb.1,1953. 41.8 P942

44163 PLANK, VAN D. Cattle breeding and artificial insemination. (In Dutch.) Tijdschr. v. Diergeneesk. 78: 165-166. Feb.15,1953. 41.8 T431

44164 POHL, A. Die österreichische Fleckviehzucht—stand, aufgaben und ziele. Tierzüchter 5:79-82. Feb.20, 1953. 49 T445

44165 POPE, L. S. The best age to breed heifers. Shorthorn World 37(20):9-10,36-38. Feb.1,1953. 43.8 Sh8

44166 PROCE, M. DE. Amélioration et extension de la race bovine Hollandaise "Pie Noire." Agr. Prat. 117: 22-25. Jan.1953. 14 J82

44167 RAITHBY, G. E. Dairy herd management. 10. Family matters. Holstein-Friesian J. 15(10):28,30,57. Jan.1953. 43.8 H743
Breeding.

44168 RONNING, M., and others. The carotene requirements for reproduction in Guernsey cattle. J. Dairy Sci. 36:52-56. Jan.1953. 44.8 J822
E. R. Berousek, A. H. Kuhlman, and W. D. Gallup, joint authors.

44169 ROSSI, C. The Piedmont cattle breed. (In Italian.) Terra e Sole 125:4-7. Jan.1953. 16 T273

44170 RUTHER. Züchterische probleme in der Westfälischen Rotbuntzucht. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1325,1327. Aug.28,1952. 18 L2346

44171 SANFILE, V. Milk as a diluter of [bovine] seminal liquid. (In Italian.) Zooprofilassi 7:523-525. Nov.1952. 41.8 Z72
English summary.

44172 SCHMEHL, R. Die Westfälische Herdbuchgesellschaft für die zucht des Schwarzweissen Tieflandrindes. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1327-1328. Aug.28,1952. 18 L2346

44173 SCHMIDT, K. Der einfluss der fütterung mit weissen und roten möhren auf die spermaproduktion des zuchtbullen. I. Quantitative untersuchung des spermas. Monatsh. f. Vetmed. 8:47-51. Ref. Feb.1,1953. 41.8 M742

44174 SCHWEIZERISCHER BRAUNVIEHZUCHTVERBAND. Die milchleistungsprüfungen im kontrolljahr 1950/51. Schweiz. Braunviehzuchtverband. Mitt. 6:213-445. Dec.1952. 43.9 Sch93M

44175 SHAW, H. J. A breeder looks ahead. (Sum.) Holstein-Friesian J. 15(12):19,66. Mar.1953. 43.8 H743

44176 SHORTHORN SOCIETY OF GT. BRIT. AND IRELAND. List of members, December 31st, 1951. London,1951. 123 p. 225 Sh8Ae

44177 SHUL'GIN, P. S. Best times of mating heifers and cows of the Yaroslavl breed. (In Russian.) Dostizhenia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:61-64. Dec.1952. 20 D742

44178 STEIM, J. M. Sterility research center. Q. Alpha Zeta 46:12-14. Jan.1953. 275.8 AL7
Dairy cattle research at Pennsylvania State College.

44179 STEWART, A. The maintenance of a commercial dairy herd. Massey Agr. Col. Dairyfarming Annu. 1952:101-103,105-107,109-117,119-121. 44.9 M382
Breeding, disease control, and culling.
Includes discussion.

44180 STUMBO, R. W. Brown Swiss, their characteristics and development. Milk Prod. [Houston] 18(3): 16-17,26. Mar.1953. 44.8 M5993

44181 SULZBERGER, J. J. L. Whitefaces flourish "Down Under." Amer. Hereford J. 43(20):36,50. Feb.15, 1953. 43.8 Am32
New Zealand.

44182 TAVEGGIA, T. Carnation or Holstein? (In Italian.) B. dell'Agr. 87(5):1. Jan.30,1953. 16 B87

44183 THACKER, D. L., and ALMQUIST, J. O. Diluters for bovine semen. I. Fertility and motility of bovine spermatozoa in boiled milk. J. Dairy Sci. 36: 173-180. Feb.1953. 44.8 J822

44184 THIBOUMERY, M. La régénérescence d'une excellente Jersiaise. Vie à la Campagne 42:57. Feb.1953. 80 V67

44185 TORTORELLI, N. Simmental cattle in the Tavoliere di Puglis. 3. (In Italian.) Riv. di Zootec. 26:16-20. Jan.1953. 49 R52
Includes meat and milk production.

44186 VSIAKIKH, A. S., CHASHKIN, G. N., and SOSEDOV, S. S. Method of improving the Ala-Tau [cattle] breed on the state farms of Kirgizia. (In Russian.) Dostizhenia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10: 58-63. Oct.1952. 20 D742

44187 WANDHOFF. Die züchter des Angler rindes und die künstliche besamung. Tierzüchter 5:83-84. Feb. 20,1953. 49 T445

44188 WIENER, G. Breed structure in the pedigree Ayrshire cattle population in Great Britain. J. Agr. Sci. 43:123-130. Ref. Jan.1953. 10 J822

44189 ZAKHAROV, N. I. Artificial insemination of cows on collective farms in Molotov Region. (In Russian.) Sotsialist. Zhivotnovod. 15(1):76-77. Jan.1953. 49 So71

44190 ZAYAS, C. El Cebú como productor de carne. Rev. Ganad. [Habana] 13(2):40-41,55. Feb.1953. 49 R321

44191 ZUEV, A. G. To improve the quality of pedigreed young cattle of Kholmogor breed. (In Russian.) Sotsialist. Zhivotnovod. 14(12):80-82. 1952. 49 So71

Feeds and Feeding

44192 ABGAROWICZ, F., and SZYFTER-ZIOŁECKA, A. Industrial by-products for fattening culled cattle. (In Polish.) Rocz. Nauk Roln. 59:5-43. 1952. 20.5 R59
English summary.

44193 ABGAROWICZ, F., and SEIDLER, S. Industrial by-products for fattening young cattle. (In Polish.) Rocz. Nauk Roln. 59:45-68. Ref. 1952. 20.5 R59
English summary.

44194 AMSCHLER, J. W., and PAMMER, H. Harnstoff-fütterungsversuch an milchkühen. Bodenkultur 6:235-245. 1952. 19 B635

44195 AMSCHLER, J. W., and PAMMER, H. Kälberaufzucht mit Kaff-A. Bodenkultur 6:225-234. 1952. 19 B635

44196 ANDERSON, K. L. Prevent bloat with rationed grazing. Hoard's Dairyman 98:278. Mar.25,1953. 44.8 H65

44197 ANTONSEN, H. Vitamin injection—yes or no? (In Danish.) Husmandshjemmet 3(6):5. Feb.10,1953. 11 H963
Of cattle and pigs.

44198 BAILEY, G. L., CASTLE, M. E., and FOOT, A. S. Fodder-beet. III. Feeding trials with dairy cattle. Empire J. Expt. Agr. 21:42-48. Jan.1953. 10 Em7

44199 BARTLEY, E. E., and others. Antibiotics in dairy cattle nutrition. I. The effect of an aureomycin product (Aurofac) on the growth and well-being of young dairy calves. J. Dairy Sci. 36:103-111. Ref. Feb.1953. 44.8 J822
F. C. Fountaine, F. W. Atkeson, and H. C. Fryer, joint authors.

44200 BEESON, W. M. Supplementing roughages for feeding cattle. Livestock Wk. 7(20):4-5. Mar.19,1953. 49 L753

44201 BEHRENDT-RUPENNEST. Von der weide zur stallfütterung—rechtzeitiger abtrieb. Landwirtbl. Weser-Ems 99:1008-1009. Oct.2,1952. 18 L2345
Dairy cattle.

44202 BLAXTER, K. L., and others. The nutrition of the young Ayrshire calf. 11-12. Brit. J. Nutr. 7:38-50, 105-123. Ref. 1953. 389.8 B773
W. A. Wood, A. M. MacDonald, and F. Brown, joint authors.

44203 BOROVKOVA, E. I. Feeding silage to milch cows. (In Russian.) Sotsialist. Zhivotnovod. 14(12):13-14. 1952. 49 So71

44204 CHISTOV, T. I. Experience in the use of chopped twigs for cattle feed. (In Russian.) Kormovaia Baza 3(12):42-44. Dec.1952. 60 K84

44205 CORRIE, F. E. Feeding farm animals. 67. Rearing and fattening cattle. Fert. Feed Stuffs & Farm Supplies J. 39:133-135. Feb.18,1953. 57.8 F413

44206 CORTEZ G., J. A. Alimentación racional de las vacas lecheras. Almanaque Agropecuario del Perú 1:275-280. 1953. 9.8 AL6

44207 COUP, M. R., and LANCASTER, R. J. The measurement of feed intake by grazing cattle and sheep. II. The determination of chromic oxide, and monastral blue in cow faeces. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:347-353. Dec.1952. 514 N48A

44208 CUNNINGHAM, I. J. Trace elements of importance to dairy stock in New Zealand. Massey Agr. Col. Dairyfarming Annu. 1952:5-11. 44.9 M382
Includes discussion.

44209 DUNLOP, G. Effect of a copper supplement to the rations of milking cows. Nature [London] 171: 356-357. Feb.21,1953. 472 N21

44210 DUNLOP, G. Feeding of seaweed meal to lactating cows. Nature [London] 171:439-440. Mar.7, 1953. 472 N21

44211 ĖKTOV, V. A. Effect of level of nutrition on the postembryonic weight increase of muscles in young cattle. (In Russian.) Zhur. Obshch. Biol. 13:363-376. Sept./Oct.1952. 442.8 Z6

44212 ELAM, F. L. Bunk-type feeding; [Sacramento] Valley dairymen are making many advances in better feed and handling methods. Sacramento Val. Rancher 7(2):6-7, 18. Feb.1953. 6 Sa12
Silage preparation and handling.

44213 EMBRY, L. B., and KING, G. T. Urea, a satisfactory protein substitute in rations for wintering range calves. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4: 27-29. Winter 1953. 100 So82S

44214 FEDTKE. Von der kunst des fütterns unserer milchkühe. Blatt f. den Melker, p.1-2. In Unser Milchvieh 5(2). Feb.1953. 43.8 Un7

44215 GALLETTI, A. C. Calculation of pasture extent taking the existing cattle capital as basis. (In Italian.) Agr. Tosc. 7:418-420. Dec.1952. 16 Ag827

44216 GAZTAMBIDE ARRILLAGA, C. La miel de caña como alimento para el ganado. Rev. Ganad. [Habana] 13(2):47-49. Feb.1953. 49 R321
In cattle feeding.

44217 GROVES, D. E. Grass silage has changed our way of feeding cattle. Ohio Farmer 211(3):4-5,44-46. Feb.7,1953. 6 Oh3

44218 HARLAND, F. G., and DAVIS, R. N. Dried grapefruit pulp as a concentrate for dairy heifers. J. Dairy Sci. 36:112-114. Feb.1953. 44.8 J822

44219 HARRIS, W. A., and COTTON, R. H. Preliminary experiments with feeding beet by-products to cattle. Amer. Soc. Sugar Beet Technol. Proc. 7:281-289. Ref. 1952. 66.9 Am35

44220 HAU, H. Achtung, hier spricht die kuh. Landwirt. Wchnbl. 143:325,328. Mar.14,1953. 18 L2338
Feeding.

44221 HENNAUX, L., and others. Administration d'avoine germée et lactation. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:72-81. 1952. 105.1 G285
A. Antoine, P. Seilleur, and R. Lecomte, joint authors.

44222 HOLLARD, M. G. Utilisation of pasture by dairy cows. Rur. Educ. B. 8:15-20. Feb.1953. 109 C162

44223 HOLLARD, M. G. The winter feeding of dairy cows. Canterbury Chamber Com. Agr. B. 281,4 p. Dec. 1952. 23 C162

44224 HUSEMANN, C., and GALENSA, F. Ertrag u. wirtschaftlichkeit auf umtriebsweiden mit fettvieh. Landwirtbl. Weser-Ems 100:109-110. Jan.29,1953. 18 L2345

44225 HUSEMANN, C., and GALENSA, F. Umtriebsweide und milcherzeugung. Landwirtbl. Weser-Ems 100: 194-196. Feb.19,1953. 18 L2345

44226 ILLINGWORTH, J. A thousand gallons of milk per acre. Farmers Wk. [London] 38(10):72-73. Mar.6, 1953. 10 F2226
Productive grazing season eleven months in the year in the North of England.

44227 INUDO, Y., and ISHII, S. Feeding of dairy cattle with Digitaria ciliaris Pers. 2. (In Japanese.) Kyushu Noji Shikenjo 10:109-110. Sept.1952. 107.6 K996

44228 JACOBSEN, N. A. Wintering cattle. Mont. Stockgrower 25(2):7. Feb.15,1953. 49 M76
Feeding.

44229 JARDIM, W. R., PEIXOTO A. M., and SILVEIRA, S. Comparative study of corn silage and sugarcane as supplementary feed for dairy cattle. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:153-164. 1951. 102.5 P66A
English summary.

44230 JONES, I. R. What poor hay can do to your herd. Hoard's Dairyman 98:269,282. Mar.25,1953. 44.8 H65

44231 KANSAS. AGRICULTURAL EXPERIMENT STATION. Winter feeding problems, 1952-53. Kans. Agr. Expt. Sta. Rpt. 5,4 p. Dec.1952. 100 K13S
Feeding dairy cattle.

44232 KIMURA, S., and ISHII, S. Experiments on feeding with urea in pregnant and suckling cows. (In Japanese.) Kyushu Noji Shikenjo 10:111-112. Sept.1952. 107.6 K996

44233 KING, J. O. L. The nutrition of dairy cows. Vet. Rec. 65:117-120. Feb.21,1953. 41.8 V641

44234 KIRK, W. G. Salt help in protein feeding. Fla. Cattleman 17(6):43,98-99. Mar.1953. 43.8 F66
Regulating intake of cottonseed meal by mixing it with salt.

44235 KONIG, H. Untersuchungen über solaninwirkung bei rind und schaf im zusammenhang mit kartoffelkraut-fütterung. Schweiz. Arch. f. Tierheilk. 95:97-120. Ref. Feb.1953. 41.8 Sch9
English summary.

44236 LASNIER, G. Pacage bien fourni—vache bien nourrie! Foyer Rur. [Montreal] 12(4):10. Feb.1953. 7 F83

44237 LEGORI, E. Ground feed and feed in pellets. (In Italian.) Nuova Agr. Milan. 3(15/16):1. Aug. 1/15,1952. 16 C153
For cattle.

44238 LUTZ, J. Jungviehmast von früher jugend auf. Grüne 81:246-248. Feb.27,1953. 17 Sch9

44239 MCCALL, R. Creep feed 'em for a running start to market. West. Livestock J. 31(16):52-53,71-72, 74-75. Mar.1,1953. 6 F2278
Feeding calves and portable creep feeders.

44240 MACKAY, A. M., RIDDELL, W. H., and FITZSIMMONS, R. Terramycin supplement for dairy calves. J. Anim. Sci. 12:19-23. Feb.1953. 49 J82

44241 MALIMON, A. IA. Sweet potatoes as a feed crop in the South of Central Asia. (In Russian.) Kormovaîa Baza 4:49-51. Jan.1953. 60.8 K84
For cattle.

44242 MILES, J. T., and LUSK, J. W. The value of silage as a supplement to winter pasture for dairy cows. Miss. Agr. Expt. Sta. Inform. Sheet 476,1 p. Oct.1952. 100 M69In

44243 MILLER, R. F. Green chopped alfalfa—range supplement with a punch. West. Livestock J. 31(5):51,161-162,164. Jan.1953. 6 F2278
For cattle.

44244 MOLLER, E. Sobre el aumento de la producción de la carne. Agr. Austral 20:375-377. Nov./Dec. 1952. 9.3 Ag842
Cattle-feed relationships.

44245 MORRISON, F. B. Some recent developments in livestock feeding. Holstein-Friesian World 50:573,576-577. Mar.7,1953. 43.8 H742
Chiefly cattle.

44246 MOVSISIANTS, A. P. Substantial fodder base—the foundation of cattle maintenance while they are in the barn. (In Russian.) Kormovaîa Baza 3(12):1-7. Dec.1952 60 K84

44247 MURPHY, W. J. B. Hand feeding of beef cattle. Agr. Gaz. N. S. Wales 63:618-622. Dec.1952. 23 N472

44248 PACKHAM, A. Feeding dairy cows for production. Austral. Dairy Rev. 21:14-15. Jan.1,1953. 44.8 Au73

44249 PETERS, H. F. Range investigations at the Manyberries Station. Canad. Cattlemen 16(3):26-27,38. Mar.1,1953. 49 C16
Experiments with cattle and sheep.

44250 PFULB, K. Lohnt sich leistungsfütterung beim rauhfutter? Bad. Landwirt. Wchnbl. 120:87-88. Jan.24, 1953. 18 B142
Cattle feeding.

44251 RAITHBY, G. E. Dairy herd management. 12. Silage making. Holstein-Friesian J. 15(12):22-23,30. Mar.1953. 43.8 H743

44252 RASTEN, J. Preliminary trials with turnip varieties and green fodder as supplementary feed on pastures. (In Norwegian.) Forsk. og Forsøk i Landbr. 3: 261-271. 1952. 11 F772
English summary.
Cattle.

44253 RECHKA, J. Feeding cattle in the winter season of the current year. (In Czech.) Za Socialist. Zemedel. 2:1370-1380. Dec.1952. 19.5 Z1
Includes formulas.

44254 RICHTER, K. Getreide-kartoffelwalzmehlschlempe. Landbforsch. Völkenrode 2:94. Oct.1952. 18 I 2353
In dairy cattle feeding.

44255 RICHTER, K. Kälbermast mit magermilch. Landbforsch. Völkenrode 2:90. Oct.1952. 18 L2353

44256 RUFFER, VON. Rationelle milchviehfütterung. Landwirt. Z. der Nord-Rheinprov. 120:197. Feb.14,1953. 18 L2344

44257 RUSOFF, L. L., ALFORD, J. A., and HYDE, C. E. Effect of type of protein on the response of young dairy calves to aureomycin with data on the intestinal microflora. J. Dairy Sci. 36:45-51. Ref. Jan.1953. 44.8 J822

44258 SCHMIDT, M. Fütterung der milchkühe - fütterung nach leistung. Salzburger Bauer 8:4-6. (Cont.) Jan.1,1953. 19 Sa3

44259 SCHMIDT, M. Fütterung der milchkühefütterung nach leistung. Salzburger Bauer 8:5-7. (Concl.) Jan.8,1953. 19 Sa3

44260 SLANGER, B. Please pass the salt. Mont. Stockgrower 25(3):16. Mar.15,1953. 49 M76
In cattle nutrition.

44261 STINNETT, L. H. Facing winter feeding problems. Okla. Agr. Col. Ext. C. 578,7 p. n.d. 275.29 Ok41C
Feeding dairy cattle.

44262 SUAREZ NELSON, M. Alimentación artificial del ternero. Asoc. Rur. del Uruguay. Rev. 80:50-51. Jan.1953. 9.9 As5

44263 THOMAS, O. O. Value of good hay in a wintering ration. Mont. Stockgrower 25(2):8-10. Feb.15,1953. 49 M76
Cattle.

44264 TSYNKOV, M. IU. Method of utilizing the stable system of cattle maintenance. (In Russian.) Dostizheniia Nauk i Peredovogo Opyta v Sel'sk. Khoz. 12:32-35. Dec.1952. 20 D742
Chiefly green feeds.

44265 UREA, the synthetic chemical that helps cattle digest cheap waste feeds. Farm Q. 8:56-57,94,96,98,126. Spring 1953. 6 F22995

44266 VALDMAN, A. R. Increasing the vitamin content in milk. (In Russian.) Sotsialist. Zhivotnovod. 14(12): 8-12. 1952. 49 So71
Effect of dairy cattle nutrition.

44267 VOGEL, H. Weidebeifütterungsversuch mit presskartoffeln bei milchkühen. Landwirt. Jahrb. f. Bayern 30:100-103. Jan.1953. 18 L24

44268 WHAT is Supplement A? Livestock Wk. 7(13): 30-31,64,72,76,84. Jan.29,1953. 49 L753
Corn cobs for wintering beef cows, by R. Totusek, E. C. Hornback, T. W. Perry, and W. M. Beeson; Progress report, by T. W. Perry and W. M. Beeson; Testing modifications of Purdue cattle Supplement "A", by W. M. Beeson, T. W. Perry, and M. Mohler.

44269 WILCOX, E. B., and others. The effect of feeding sucrose to beef cattle and swine on the dressing percentage and quality of meat. J. Anim. Sci. 12:24-32. Feb.1953. 49 J82
M. B. Merkley, L. S. Galloway, D. A. Greenwood, W. Binns, J. A. Bennett and L. E. Harris, joint authors.

44270 WINCHESTER, C. F. A tale of two calves. Natl. Live Stock Prod. 31(5):6,20. Mar.1953. 280.38 N21
Feeding beef calves.

44271 ZHANDAROV, I. E. Use of waste from food industry as feed for cattle. (In Russian.) Kormovaia Baza 4:62. Jan.1953. 60.8 K84

44272 ZIMMERMANN. Die bedeutung der weiden für die rinderzucht. Bad. Landwirt. Wchnbl. 120:224-225. Mar.7,1953. 18 B142

Veterinary Medicine

44273 AEHNELT, E. Die anwendung von stilbenpräparaten zur erweiterung des gebärmutterhalskanals beim rinde. Deut. Tierarztl. Wchnschr. 60:89-92. Feb. 15,1953. 41.8 D482

44274 AKATOV, V. A., and POPOV, P. A. On the treatment of trichomoniasis in bulls. (In Russian.) Veterinariia 30:27-30. Jan.1953. 41.8 V6426

44275 ALIVERDIEV, A. A. Complications during foot-and-mouth disease [in cattle] and their prevention. (In Russian.) Veterinariia 29(12):28-29. Dec.1952. 41.8 V6426

44276 ARKHANGEL'SKII, I. I., and others. Vaccines against paratyphoid in calves. (In Russian.) Veterinariia 30:21-26. Jan.1953. 41.8 V6426
P. F. IArovoi, D. D. Novak, V. E. Arkhangel'skaia, and K. I. Kholdin, joint authors.

44277 ARTIOLI, D., and GIANELLI, F. Isolation of a "Candida" with pathogenic action from a case of Roeckl's granuloma. (In Italian.) Arch. Vet. Ital. 3:485-497. Ref. Dec.31,1952. 41.8 Ar25
English summary.
From a cow.

44278 ARTIUKH, I. A., OSTASHEVSKII, A. G., and GUROVA, E. I. On properties of microbes which were separated from a killed vaccine against brucellosis in cattle. (In Russian.) Veterinariia 29(11):23-25. Nov. 1952. 41.8 V6426

44279 ARUNACHALAM, T. V., LAZARUS, A. J., and ANANTAKRISHNAN, C. P. Observations on some Indian cattle. III. Factors influencing the gestation period and birth weight of Murrah buffaloes. Indian J. Dairy Sci. 5:117-123. Sept.1952. 44.8 In28

44280 ARZUMANIAN, E. A. Microstructure of the skin of Tagil-East Friesian [cattle] hybrids. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(12):31-38. Ref. 1952. 20 Ak1

44281 BAILEY, J. W. A bovine fetal monstrosity. Amer. Vet. Med. Assoc. J. 122:165-166. Mar.1953. 41.8 Am3

44282 BAILEY, J. W. Keep 'em healthy. Amer. Hereford J. 43(20):90. Feb.15,1953. 43.8 Am32
Mange.

44283 BAILEY, J. W. Veterinary problems discussed. Shorthorn World 37(20):76-81,89. Feb.1,1953. 43.8 Sh8

44284 BARON, D. Mastitis, control it in the barn. Country Guide 72(3):12,62. Mar.1953. 7 G76
Mastitis in dairy cattle.

44285 BATHKE, F. H. Wound closure following laparotomy. No. Amer. Vet. 34:180. Mar.1953. 41.8 N812
Cattle.

44286 BECK, W. Allergische seröse glossitis des rindes bei maul- und klauenseuche. Deut. Tierärztl. Wchnschr. 60:65-67. Feb.1,1953. 41.8 D482

44287 BELL, W. B., RICE, A. W., and CONNER, B. V. An outbreak of bovine leptospirosis in Virginia. Vet. Med. 48:87-88. Mar.1953. 41.8 M69

44288 BLAXTER, K. L., and ROOK, J. A. F. The heat of combustion of the tissues of cattle in relation to their chemical composition. Brit. J. Nutr. 7:83-91. Ref. 1953. 389.8 B773
Determination of nitrogen and carbon contents of tissues.

44289 BLAXTER, K. L., and others. α-Tocopherol and other antioxidants in the prevention of experimental muscular dystrophy in calves. Cong. Internatl. de Biochim. Résumés des Commun. 2:326. 1952. 386.2 In84
F. Brown, W. A. Wood, and A. M. Mac Donald, joint authors.

44290 BOIARSKII, I. V. Experiment in eradicating paratyphoid in calves in stationary unsafe nuclei. (In Russian.) Veterinariia 30:27. Jan.1953. 41.8 V6426

44291 BOWLBY, G. L., and COMFORT, C. F. Cortisone in the treatment of ketosis. Canad. J. Compar. Med. 17:79-82. Feb.1953. 41.8 C162
Cattle.

44292 BUHL, K. Die rindertuberkulosebekämpfung, eine lebensfrage der rinderzüchter. Tierzüchter 5:77-78. Feb.20,1953. 49 T445

44293 BUNTAIN, D., and FIELD, H. I. An outbreak of mastitis in cattle due to infection with an organism of the Friedlander (Klebsiella) group. Vet. Rec. 65:91-93. Feb.7,1953. 41.8 V641

44294 BUYSSE, F. The determination of the endogenous phosphorus in cow's feces with the radioactive isotope P_{32}. (In Dutch.) Gent. Landbhogesch. Meded. 17: 391-405. Sept.1952. 105.1 G344
English summary.

44295 CASTRO, R. Tratamiento antiamémico de la anaplasmosis bovina mediante transfusión de sangre. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(448):12. Ref. Dec.31,1952. 9.9 G15B

44296 CAUTHEN, G. E. The effect of small daily doses of phenothiazine on the development of larvae of the gastrointestinal parasites of cattle. Amer. J. Vet. Res. 14:30-32. Ref. Jan.1953. 41.8 Am3A

44297 CAUTHEN, G. E. The toxic effect of phenothiazine on cattle of the Gulf Coastal Plain area of Texas, and its efficacy in removing Ostertagia ostertagi and Trichostrongylus axei. Amer. J. Vet. Res. 14:33-34. Jan.1953. 41.8 Am3A

44298 CHANDA, R., and OWEN, E. C. The effect of dietary carotene on the partition of carotenoids and vitamin A in the blood serum of lactating cows. Cong. Internatl. de Biochim. Résumés des Commun. 2:328. 1952. 386.2 In84

44299 CHANDA, R., and OWEN, E. C. L'influence de l'infection des glandes mammaires sur les caroténoïdes, la vitamine A, et la relation entre la phosphatase et les esters phosphoriques du lait de vache. Cong. Internatl. de Biochim. Résumés des Commun. 2:254. 1952. 386.2 In84

44300 CHANDA, R. The partition of carotenoids and vitamin A in the colostrum and milk of the cow and the goat. J. Agr. Sci. 43:54-71. Ref. Jan.1953. 10 J822

44301 CHIEFFI, A. Mechanization of let-down of milk. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 5:363. Dec.1952. 44.8 B634

44302 COATES, M. E., and others. Some properties of vitamin B_{12}-like factors from calf faeces. Cong. Internatl. de Biochim. Résumés des Commun. 2:6. 1952. 386.2 In84
G. F. Harrison, J. E. Ford, S. K. Kon , and J. W. G. Porter, joint authors.

44303 COOPER, C. M. Acetonemia. Jen-Sal J. Mar. 1952:12-13. 41.8 J45
Cattle.

44304 CRAIG, J. Diseases of dairy cattle. Warts [Papilloma] and eye cancer. West. Austral. Dept. Agr. J. (ser.3)1:861-862. Nov./Dec.1952. 23 W52J

44305 CROSS, R. F. Observations on the bovine hemorrhagic disease caused by trichloroethylene processed soy bean oil meal. Hawaii. Bd. Comnr. Agr. & Forestry. Rpt. 1952:94-97. 25 H314Re
Caused by Pasteurella multocida.

44306 CROWLEY, J. W., and ALLEN, N. N. The effect of ethyl alcohol on the plasma vitamin A levels of calves and goats. J. Dairy Sci. 36:156-160. Ref. Feb. 1953. 44.8 J822

44307 DAIGELER, A. Tuberkelbakterienausscheidung aus klinisch gesundem euter von tuberkulinpositiven kühen. Tierärztl. Umschau 8:38-41. Ref. Feb.1953. 41.8 T445

44308 DANNENBURG, W. N., and HARRIS, J. R. In vitro testing of sulfonamides against known microorganisms and those isolated from a scouring calf. Amer. J. Vet. Res. 14:26-27. Jan.1953. 41.8 Am3A

44309 DIMANT, E., SMITH, V. R., and LARDY, H. A. Lactose synthesis in the mammary gland perfused with 1-C^{14}-glucose. J. Biol. Chem. 201:85-91. Ref. Mar.1953. 381 J824

44310 DOETSCH, R. N., and ROBINSON, R. Q. The bacteriology of the bovine rumen: a review. J. Dairy Sci. 36:115-142. Ref. Feb.1953. 44.8 J822

44311 EASTERBROOKS, H. L., and PLASTRIDGE, W. N. Management of vibriosis. Jen-Sal J. Mar.1952:18-19. 41.8 J45

44312 EDGINGTON, B. H., and KING, N. B. Strain 19 vaccine offers greater protection against brucellosis. Ohio Farm & Home Res. [Ohio Sta.] 38(280):7,15. Jan./Feb.1953. 100 Oh3S
Protective value in cattle.

44313 EHRLICH, C. Wie steht es mit dem tuberkulosetilgungsverfahren in Westfalen-Lippe? Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:797. May 22,1952. 18 L2346
In cattle.

44314 EL'ŤSOV, S. G. Problems of intrathoracic surgery in cattle. (In Russian.) Veterinariia 30:42-44. Jan.1953. 41.8 V6426

44315 EVELETH, D. F. Paratuberculosis [Johne's disease] of cattle and sheep. N. Dak. Agr. Expt. Sta. Bimon. B. 15:106-107. Jan./Feb.1953. 100 N813B

44316 FOWLER, G. R. Beef cattle practice. (Extr.) Haver-Glover Messenger 33(2/3):5-6,36. Mar./Apr.1953. 41.8 H29
Disease treatment.

44317 FROMM, G., and WIESMANN, E. Der mit offener tuberkulose behaftete mensch als ansteckungsquelle für rind und ziege; infektionen mit tuberkelbakterien des typus humanus. Schweiz. Arch. f. Tierheilk. 95:69-97. (Cont.) Feb.1953. 41.8 Sch9

44318 GALLINA, L. Synesthesia of the genital apparatus of the cow and sterility. (In Italian.) Croce Azzurra 3(6):31-34. Nov./Dec.1952. 41.8 C87

44319 GARÇÃO, A. M. S. Action of Azorians in the study of the etiology of "ferrujão" (bovine piroplasmosis). (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):116-119. First Semes.1953. 15 Az6

44320 GAUNYA, W. S., and EATON, H. D. Prepartum milking. IV. The effect of prepartum milking on milk production and length of time required to reach peak of lactation. J. Dairy Sci. 36:168-172. Ref. Feb.1953. 44.8 J822

44321 GITTINGS, B. L. Why immunize against blackleg? Single treatment insures against herd losses through year. Fla. Grower 61(3):8,20. Mar.1953. 80 F6622

44322 GOTZE, R. Aborteinleitung bei zu früh gedeckten jungrindern (gutachten). Fortpflanzung u. Besamung der Haustiere 3:2-4. Jan.7,1953. 41.8 F773

44323 GRINER, L. A. Acute Clostridium perfringens type C infection in baby calves. Colo. Vet. Med. Assoc. B. 1(11):4. Nov.1952. 41.9 C7132

44324 GRISA, B. Gout in the Livno plain. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:846-848. 1952. 41.8 V6494
English summary.
Of cows.

44325 HAFEZ, E. S. E. Conception-rate and periodicity in the buffalo. Empire J. Expt. Agr. 21:15-21. Ref. Jan.1953. 10 Em7

44326 HAMMOND, P. B. Dihydrostreptomycin dose-serum level relationships in cattle. Amer. Vet. Med. Assoc. J. 122:203-206. Ref. Mar.1953. 41.8 Am3

44327 HENNESS, K. K. Podredumbre del pie en el ganado vacuno. Bolivia. Serv. Agr. Interamer. C. de Ext. 8,4 p.-folder. Nov.1952. 275.249 B63

44328 HENTGES, J. F. Dehorning practicality discussed. Fla. Cattleman 17(6):82,120. Mar.1953. 43.8 F66

44329 HOFSTRA, S. T. Diarrhea of cattle pastured on peatland in South West Friesland. (In Dutch.) (Sum.) Tijdschr. v. Diergeneesk. 78:146-153. Feb.15,1953. 41.8 T431
English summary.

44330 HUDDLESON, I. F. The milk ring test for brucellosis in dairy cattle. Mich. State Col. Agr. Ext. Folder F-169,4 p. June 1952. 275.29 M58Ex

44331 ILANCIC, D. Congenital outgrowth of third ear in calf. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:852-853. 1952. 41.8 V6494
English summary.

44332 INEICHEN, F. Schätzung der durch die deckseuchen verursachten schäden. Grüne 81:232-238. Feb. 27,1953. 17 Sch9
In cattle.

44333 JACKSON, F. C. Infectious keratoconjunctivitis of cattle. Amer. J. Vet. Res. 14:19-25. Jan.1953. 41.8 Am3A

44334 JARDIM, W. R., and SPALLINI, A. Observations on Papilloma in cattle. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:165-170. 1951. 102.5 P66A
English summary.

44335 JEZIC, J. Reasons of the abatement of tuberculosis in man in the West. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:829-840. Ref. 1952. 41.8 V6494
English summary.
Includes tuberculosis of cattle.

44336 KAISER, F. "Zum Problem des ansteckenden Scheidenkatarrhs der Rinder." Stellungnahme zu dem gleichlautenden artikel von Dr. Voigt BMTW 52 Nr. 11. Berlin. u. Münch. Tierärztl. Wchnschr. 66:43-44. Feb.1, 1953. 41.8 B45

44337 KANEGIS, L. A., TONELLI, G., and FALK, H. Aureomycin milk and serum concentrations in dairy cows. J. Dairy Sci. 36:152-155. Ref. Feb.1953. 44.8 J822

44338 KARSTEN. Sammelweiden und seuchenhaftes verkalben. Deut. Tierärztl. Wchnschr. 60:92-93. Feb.15, 1953. 41.8 D482

44339 KATUNARIC, M. The so-called emaciated shoulders disease in the plain of Livno. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:849-851. 1952. 41.8 V6494
English summary.
Deficiency disease of cattle.

44340 KERRUISH, D. W. Some observations on the interpretation of the single intradermal comparative tuberculin test. Vet. Rec. 65:67-70. Jan.31,1953. 41.8 V641
Cattle.

44341 KLUSSENDORF, R. C. Hyperkeratosis. No. Amer. Vet. 34:176-177. Mar.1953. 41.8 N812
Cattle.

44342 KOHLER, H., and ROSENER, P. Veränderungen vegetativer ganglien bei der fremdkörper-peritonitis des rindes. Deut. Tierärztl. Wchnschr. 60:93-96. Feb.15,1953. 41.8 D482

44343 KORCHAK, G. K. Fundamental principles of trichomoniasis therapy in cattle. (In Russian.) Veterinariia 29(12):30-32. Dec.1952. 41.8 V6426

44344 KUHN, F. Eineinhalb jahre tuberkulosebekämpfung im Kreise Wittgenstein (Nordrhein-Westfalen). Giessen,1952. 35 p. Ref. 41.2 K955
Inaug.-Diss.—Giessen.
Cattle.

44345 KUNKEL, H. O., COLBY, R. W., and LYMAN, C. M. The relationship of serum protein bound iodine levels to rates of gain in beef cattle. J. Anim. Sci. 12:3-9. Ref. Feb.1953. 49 J82

44346 KUSLYS, A., and BIRN, K. Zur frage der säurefesten saprophyten in den plazenten von abortierenden rindern. Schweiz. Arch. f. Tierheilk. 95:123-125. Feb.1953. 41.8 Sch9
English summary.

44347 LAMIKHOV, K. F. Utilization of phenolated blood of foot-and-mouth disease convalescents. (In Russian.) Veterinariia 29(12):25-27. Dec.1952. 41.8 V6426
Immunization of cattle.

44348 LAUTERBACH, D. Abgrenzung der tuberkulinreaktionen gegen aspezifische reaktionen. Rindertuberkulose 2(1):1-6. In Monatsh. f. Tierheilk. 5(1). 1953. 41.8 M74
Of cattle.

44349 LE GEAR, D. H. New method in combatting metritis and retained placenta. Holstein-Friesian World 50:582-583. Mar.7,1953. 43.8 H742

44350 LESLIE, A. Schemes for TB. eradication. Massey Agr. Col. Dairyfarming Annu. 1952:85-100. 44.9 M382

44351 LEWIS, R. C., and RALSTON, N. P. Protein-bound iodine levels in dairy cattle plasma. J. Dairy Sci. 36:33-38. Jan.1953. 44.8 J822

44352 LOGINOV, V. P. On the importance of mechanical factors in the origin of gastroenteritis in calves. (In Russian.) Veterinariia 30:40-41. Jan.1953. 41.8 V6426

44353 LOHNER, J. Ein praktisches beispiel der rinder- tuberkulosebekampfung. Landwirt. Wchnbl. 143: 60. (Concl.) Jan.17,1953. 16 L2338

44354 LÜHRS. Bekämpfung des abortus Bang des rindes. Deut. Landwirt.-Gesell. Mitt. 68:58-59. Jan.15, 1953. 18 N39

44355 LUMAINE. L'organisation de la prophylaxie antituberculeuse. Sillon Belge 23(543):1-2. Jan.17,1953. 13 S13
In cattle.

44356 MACFARLANE, I. M. Eradication of tuberculosis from New Zealand dairy herds. Massey Agr. Col. Dairyfarming Annu. 1952:71-83. 44.9 M382

44357 MACKEY, D. R. Case report on a cow with septic metritis. Colo. Vet. Med. Assoc. B. 1(9):9. Sept. 1952. 41.9 C7132

44358 MAMEDOV, T. A. On emphysematous carbuncle in buffaloes. (In Russian.) Veterinariia 29(11):30-32. Nov.1952. 41.8 V6426

44359 MARICZ, M. L'hématurie essentielle au Congo Belge. Inst. Natl. pour l'Etude Agron.du Congo Belge. B. d'Inform. 2:5-20. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb.1953. 24 K83
In cattle.

44360 MARULANDA CAICEDO, L. Campaña contra las epizootias del ganado. Rev. Agr. y Ganad. 13(153):12-13. Oct.1952. 9.4 R327
Brucellosis in cattle.

44361 MARULANDA CAICEDO, L. Informe sobre contaminación aftosa. Rev. Agr. y Ganad. 13(152):9-10. Sept.1952. 9.4 R327
Sanitary inspection of cattle in Colombia.

44362 MERRIMAN, G. M. Medical treatment in suspected traumatic gastritis of bovines. No. Amer. Vet. 34:178-180. Mar.1953. 41.8 N812

44363 MORRISON, S. R. The small herd. V. Disease prevention and control. Amer. Hereford J. 43(21):64,264. Mar.1,1953. 43.8 Am32

44364 MOSS, S., WRENN, T. R., and SYKES, J. F. Alkaline phosphatase, glycogen, and periodic acid Schiff (PAS) positive substances in the bovine ovary. (Abs.) Anat. Rec. 115:350. Feb.1953. 447.8 An1

44365 MULLER, W. Untersuchungen über die verbreitung der rindertuberkulose in gemeinden und einzelnen beständen in Hessen und vorschläge zu deren bekämpfung. Giessen,1952. 38 p. Ref. 41.2 M9124
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

44366 NARAYANAN, T. Diseases of dairy cattle. I. Mastitis or inflammation of the udder. Indian Dairyman 4:91-94,97. Dec.1952. 44.8 In282

44367 NEKOVAR, J. Das Weltmannband und das nephelogramm unter besonderer berücksichtigung der rindertuberkulose. (Sum.) Giessen,1952. 32 p. 41.2 N312
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

44368 NIEPAGE, H. Erhebungen über die rinderleukose und untersuchungen des blutbildes. Monatsh. f. Vetmed. 8:21-25. Ref. Jan.15,1953. 41.8 M742

44369 PAAVOLA, O. A. An auxiliary use for a jack-type fetal extractor. Amer. Vet. Med. Assoc. J. 122:163. Mar.1953. 41.8 Am3
Correction of a dislocated shoulder joint in a cow.

44370 PANGRAZI, A. Esophageal obstructions and means of removing them. (In Italian.) Clin. Vet. 75:377-380. Dec.1952. 41.8 C61
Especially in cattle.

44371 PEREZ MATUS, M., and PONCE PACHECO, E. Lactación inducida por hormonas. Zootechnia 1(5):18-28. Ref. Sept./Oct.1952. 41.8 Z73
English summary.
Implanting stilbestrol in cows.

44372 PIERCY, S. E. Studies in bovine malignant catarrh. III. The effect of storage and temperature on the viability of virus. Brit. Vet. J. 109:59-65. Feb.1953. 41.8 V643

44373 POPOVA-BATUEVA, L. V., and SOKOLOV, V. M. Treatment and prevention of thelaziasis in cattle. (In Russian.) Veterinariia 29(12):33-34. Dec.1952. 41.8 V6426
Thelazia rhodesi chiefly.

44374 PROULX, J. R. Prenez soin de la vache tarie. Ferme 14(5):25,49,51. Jan.1953. 7 F38

44375 QUANDER, J. Das tuberkulose-tilgungsverfahren im lande Nordrhein-Westfalen. Tierzüchter 5:58-60. Feb.5,1953. 49 T445
Cattle.

44376 RAS CROTTO, N. Algo mas sobre los epitelios vaginales en la vaca. Rev. de Med. Vet. [Buenos Aires] 34:91-98. Ref. Apr./June 1952. 41.8 B86
English summary.

44377 RIVERA MARTIN, E. La rabia paralítica bovina en Costa Rica. Zooprofilassi 7:493-494,497-520. Ref. Nov.1952. 41.8 Z72

44378 ROWLAND, S. J., and others. The effect of prepartum milking on the composition of the prepartum and postpartum secretions of the cow. J. Dairy Res. 20: 16-28. Ref. Feb.1953. 44.8 J823
J. H. B. Roy, H. J. Sears, and S. Y. Thompson, joint authors.

44379 SACCO, V. Latent mastitis and manifest consequences. (In Italian.) Mondo del Latte 12:723-724, 727. Ref. Dec.1952. 44.8 M74
English summary.
In cattle.

44380 SCHAAL, E. Uber den kulturellen nachweis von Trichomonas fetus. Fortpflanzung u. Besamung der Haustiere 3:9-10. Feb.15,1953. 41.8 F773

44381 SCHIPPER, I. A. Mastitis—a U.S.A. comment. Austral. Dairy Rev. 21(2):8-9. Feb.2,1953. 44.8 Au73

44382 SEGHETTI, L., and MARSH, H. Liver biopsy in cattle. Amer. J. Vet. Res. 14:9-11. Jan.1953. 41.8 Am3A

44383 SEGHETTI, L. A simple apparatus for collecting urine from steers. Amer. J. Vet. Res. 14:28-29. Jan.1953. 41.8 Am3A

44384 SIKES, D. Sensitivity studies with repeated intradermal johnin tests in cattle naturally infected with Mycobacterium paratuberculosis (Johne's disease). Amer. J. Vet. Res. 14:12-15. Jan.1953. 41.8 Am3A

44385 SIKORA, A. Serumlabilitätsreaktionen bei rindern und schweinen. (Sum.) Giessen,1952. 27 p. 41.2 Si22

Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

44386 SJOLLEMA, B. Tetany of dairy cattle. (In Dutch.) Landbode 7(9):9-10. Feb.26,1953. 12 L234

44387 SKAGGS, S. R. Predicting production from the udder development in calves. N. Mex. Agr. Expt. Sta. Press B. 1079,6 p. Feb.1953. 100 N465

44388 STEWART, S. L. Recurrent milk fever. No. Amer. Vet. 34:182. Mar.1953. 41.8 N812

Cattle.

44389 SWINGLE, K. F., and MARSH, H. The relation of limited water consumption to the development of urinary calculi in steers. Amer. J. Vet. Res. 14:16-18. Jan.1953. 41.8 Am3A

44390 SWOPE, R. E. Unilateral ureterectasia and pyosis. Vet. Med. 48:125-126. Mar.1953. 41.8 M69

In a calf.

44391 TADDEI, G. Serological research on the antibodies for Q fever in the human population and the slaughterhouse cattle of the Province of Massa-Carrara. (In Italian.) Zooprofilassi 7:527-534. Ref. Nov.1952. 41.8 Z72

English summary.

44392 TARASOV, V. R. Cesarian section in cattle. (In Russian.) Veterinariia 29(12):38-39. Dec.1952. 41.8 V6426

44393 TAVEGGIA, T. Ulcerous hoof. (In Italian.) Nuova Agr. Milan. 3(8):1. Apr.15,1952. 16 C153

In cattle.

44394 THOMAS, W. E. Bloat; there's a lot of uncertainty about what causes it, but little doubt about the results. It can be prevented. Farm Q. 8:64-65,86,90-91. Spring 1953. 6 F22995

Chiefly in cattle.

44395 TOMPPERT, H. Zur frage der anwendung der klinischen und bakteriologischen untersuchungsverfahren in der tuberkulosebekämpfung. Rindertuberkulose 2(1):7-16. In Monatsh. f. Tierheilk. 5(1). 1953. 41.8 M74

44396 TRAUTWEIN, K. Stand der rindertuberkulose in Südbaden. Bad. Landwirt. Wchnbl. 120:164-165. Feb. 14,1953. 18 B142

44397 TURNER, H. G. Dependence of residual milk in the udder of the cow upon total yield: its bearing upon supposed inhibition of secretion. Austral. J. Agr. Res. 4:118-126. Ref. Jan.1953. 23 Au783

44398 UNSWORTH, K., and CHANDLER, R. L. Field trials with prophylactic antrycide in West Africa. Ann. Trop. Med. & Parasitol. 46:240-249. Nov.1952. 448.9 L75A

Against bovine trypanosomiasis.

44399 VELIMIROVIC, S. A contribution to the cognizance of parasite fauna of the cattle in the P. R. Serbia. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:810-813. 1952. 41.8 V6494

English summary.

44400 VENEMA, H. It is necessary to tighten up the control of foot and mouth disease. (In Dutch.) Tijdschr. v. Diergeneesk. 78:177-179. Feb.15,1953. 41.8 T431

Cattle.

44401 WARD, G. M., and others. Blood levels of some inorganic and organic constituents in normal parturient cows and cows with parturient paresis. J. Dairy Sci. 36:39-44. Ref. Jan.1953. 44.8 J822

T. H. Blosser, M. F. Adams, and J. B. Crilly, joint authors.

44402 WEHMEYER, P. La concentration des protéines plasmatiques chez les bovidés et les cobayes immunisés contre la fièvre aphteuse. Off. Internatl. des Epiz. B. 39,i.e.38:119-122. Jan./Feb.1953. 41.8 Of2

44403 WILDE, J. K. H., and ROBSON, J. The effect against Trypanosoma congolense in Zebu cattle of three new phenanthridine compounds. Vet. Rec. 65:49-51. Jan.24,1953. 41.8 V641

44404 WILDHAGEN, A. Zur therapie von verletzungen und entzündungen der gemeinschaftlichen beugesehnenscheide bei pferd und rind. Tierärztl. Umschau 8:35-38. Ref. Feb.1953. 41.8 T445

44405 WILKINS, H. F. Some current disease problems. Mont. Stockgrower 25(3):11-12,14. Mar.15,1953. 49 M76

Cattle.

44406 WINFREY, C. Can bloat be caused by parasites? Polled Hereford World Mag. 7(3):32,140. Mar. 1953. 43.8 P76

44407 WISCHHUSEN, J. F. Bang's disease in cattle. Flour & Feed 53(10):30. Mar.1953. 298.8 F66

44408 WITHERS, F. W. Mortality rates and disease incidence in calves in relation to feeding, management and other environmental factors. IV. Brit. Vet. J. 109:65-73. Feb.1953. 41.8 V643

44409 WOELFFER, E. A. Off feed, fever, and abortion; these are the primary symptoms of leptospirosis, a comparatively new disease in dairy herds. Hoard's Dairyman 98(5):253. Mar.10,1953. 44.8 H65

44410 WOELFFER, E. A. Trouble in reproductive tract. Hoard's Dairyman 98:294-295. Mar.25,1953. 44.8 H65

44411 WRIGHT, N. Diseases of cattle. Some common cattle poisons (Arsenical poisoning). Canad. Cattlemen 16(3):42-43,46. Mar.1,1953. 49 C16

44412 YORK, C. J., and BAKER, J. A. Vaccination for bovine leptospirosis. Amer. J. Vet. Res. 14:5-8. Ref. Jan.1953. 41.8 Am3A

44413 ZINGHI, A. On the utility of anticollapse treatment in milk fever or puerperal collapse of the cow. (In Italian.) Prog. Vet. 8:30,32,34. Jan.1,1953. 41.8 P942

44414 ZUBRILIN, A. A., and others. In regard to the physiological role of the rumen in the process of digesting cellulose of coarse feeds. (In Russian.) Sovet. Zootekh. 7(12):61-68. Dec.1952. 49 So822

P. E. Evseev, N. P. Drozdenko, and A. I. Kukoleva, joint authors.

Experiments with heifers.

Miscellaneous

44415 ASSIS, F. DE. P. Care of calves. (In Portuguese.) São Paulo. Dir. de Publicidade Agr. B. de Agr. 51:483-501. 1950,pub.1952. 9.2 Sa63

44416 BAILEY, J. W. You can raise more calves. Guernsey Breeders' J. [Peterborough] 87:587,598,602. Mar.1,1953. 43.8 G93

44417 BENEZRA R., M. V. Nueva formula para medir la adaptabilidad de los bovinos en ambientes tropicales. Venezuela. U. Cent. Facul. de Ingen. Agron. Rev. 1:69-78. June 1952. 9.95 V555

44418 BOER, H. DE. Raising of calves. (In Dutch.) Landbode 7(9):11. Feb.26,1953. 12 L234

44419 BOER, P. B. DE. Twenty five years of intensive grassland farming. VI. (In Dutch.) Friesch Landbbl. 50:64. Jan.30,1953. 12 F91

Mechanical milking.

44420 BOGORODSKIĬ, P. A. Highly productive animals in Yaroslavl Region. (In Russian.) Sotsialist. Zhivotnovod. 15(1):81-82. Jan.1953. 49 So71

Chiefly on milk production of cows.

44421 BONADONNA, T. La situation de l'élevage bovin en Italie. Zootechnia 1(5):6-15. Sept./Oct.1952. 41.8 Z73

44422 BROOKES, A. J. Levels of rearing in beef production. Herefordshire Agr. J. 12:239,241,243,245, 247,249,251. Spring 1952. 10 H42

Care, feeding, and cost of production.

44423 BULAKH, A. K. Cattle kept in corrals at the "Terezino" experimental base. (In Russian.) Kormovaia Baza 4(2):8-15. Feb.1953. 60.8 K84

44424 BURKE, J. D. Dairymen come to rescue of DHIA. Hoard's Dairyman 98:165,175. Feb.25,1953. 44.8 H65

44425 COX, C. P. Concerning the interpretation of observations, obtained from records and experiments, on milking dairy cows. J. Dairy Res. 20:1-12. Feb. 1953. 44.8 J823

44426 DANILENKO, I. Organization of stable maintenance of [dairy] cattle during the summer. (In Russian.) Kolkhoz. Proizvodstvo 12(12):40-41. Dec.1952. 281.8 K83

44427 ELBAEK, P., and HANSEN, R. J. Control accounts before and now. (In Danish.) Dansk Landbr. 72: 111-112. Feb.26,1953. 280.28 V91
Cattle.

44428 FABBRI, R. Livestock producers in Valtellina. (In Italian.) Agr. Ferrarese 56:222-224. Oct.31,1952. 16 Ag87
Cattle.

44429 GORBATOV, V., GURARI, N., and ĬAKOVLEV, V. Automatic electric stunning of cattle. (In Russian.) Miasnaia Indus. SSSR. 23(5):14-19. Sept./Oct.1952. 50.8 M58

44430 GUILBERT, H. R., and HART, G. H. California beef production. Calif. Agr. Col. Manual 2,39 p. Ref. 1952. 276 C121M

44431 HALDER, G. Bericht über die ergebnisse der milchleistungskontrolle in Osterreich im jahre 1951. Osterr. Milchwirt. 8:35-37. Feb.7,1953. 44.8 Os72

44432 HARRIS, J. Mostly sheer laziness that more calves are not dehorned. Farmer & Stock-Breeder 67(3304):58-59. Feb.17,1953. 10 F228

44433 HECKER. Ist der erfolgreiche einsatz der melkmaschine gewährleistet? Tierzüchter 5:53-54. Feb. 5,1953. 49 T445

44434 HELDEN, P. J. J. VAN. Most common movements in mechanical milking. (In Dutch.) Boerderij 37(20):7-8. Feb.11,1953. 12 B63

44435 HIGO, S. Studies on dairy farming in Kagoshima Prefecture. (In Japanese.) Kyushu Noji Shikenjo 10: 115-117. Sept.1952. 107.6 K996

44436 HODGSON, S. A calf worth raising is worth raising well. Nowest. Farm News 36(3):6. Feb.9,1953. 275.293 N81

44437 HOWALD, O. Beiträge zur rationalisierung der milchviehhaltung in der Schweiz. Schweiz. Landwirt. Monatsh. 31:1-18. Jan.1953. 17 Sch93

44438 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Dairy farm sanitation for clean milk production. Purdue U. Agr. Ext. B. 382,31 p. 1953. 275.29 In2E
Indiana State Board of Health cooperating.

44439 KAY, H. D. Causes of variation in the quality of milk. Times Agr. Rev. 2:8-9. Autumn 1952. 10 T48

44440 KOCH, E. H. Control records before and now. (In Danish.) Dansk Landbr. 72:75. Feb.5,1953. 280.28 V91

44441 KRISTIANSTADS LÄNS HUSHÅLLNINGSSÄLLSKAP. Redogörelse över Kristianstads Läns Centrala Kontrollförenings u. p, a. samt C-kontrollkretsarnas verksamhet 1950-1951 [Report of Kristianstad Province Central Control Association, Ltd. as well as the work of the C control districts 1950-1951]. Hässleholm,1952. 39 p. 11 K89

44442 KUZNETSOVA, T. S. Practices of the Ilyk sisters in improving the quality of livestock products. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:77-82. Sept.1952. 20 D742
Chiefly care of dairy cattle and swine.

44443 KYD, C. Combatting decline—14 points for producing beef on a falling market. West. Livestock J. 31(16):111-113. Mar.1,1953. 6 F2278

44444 LEBEDEV, I. A. For studying and scientific unification of leading practices in raising young cattle. (In Russian.) Sovet. Zootekh. 7(12):31-38. Dec.1952. 49 So822

44445 LEGGE, T. Dearer by the yard. Farmers Wk. [London] 38(7):73,75. Feb.13,1953. 10 F2226
Management of a beef cattle farm in England.

44446 LEONHARD, I. Studies on the red cattle in the Cieszyn district with special consideration of the environment. (In Polish.) Rocz. Nauk Roln. 60:5-85. Ref. 1952: 20.5 R59

44447 LESLIE, N. Raising calves at minimum cost. Hoard's Dairyman 98(5):222. Mar.10,1953. 44.8 H65
Includes figures for costs.

44448 LĬAPUSTIN, A. K., and BULAKH, A. K. Some results of research work on increasing milk production and on testing the method proposed by the dairy husbandry specialist, K. M. Letsko for increasing the fat content in milk. (In Russian.) Sovet. Zootekh. 7(11):37-41. Nov. 1952. 49 So822

44449 LOUGHARY, I. W. Cull for profit, not certificates. Oreg. Farmer 76:177,215. Mar.5,1953. 6 Or32
Dairy cattle.

44450 MADSEN, B. V. New rules for selecting cattle. (In Danish.) Jydsk Landbr. 35:114-115. Feb.19,1953. 11 J99
Judging.

44451 MANOĬLENKO, A. P. Achievements of the dairy farm of Zhovten' Collective Farm. (In Russian.) Sotsialist. Zhivotnovod. 14(11):12-14. Nov.1952. 49 So71

44452 MELLO, O. DE. The extent and improvement of dairy cattle in the region of São João da Boa Vista. (In Portuguese.) Rev. dos Criadores 23(12):23. Dec. 1952. 43.8 R32

44453 MELVIN, F. R. Beef production from dairy steers. Essex Farmers' J. 31(12):24-25. Feb.1953. 10 Es72

44454 MILLER, W. W. 4-H beef calf manual. Okla. Agr. Col. Ext. C. 585,21 p. n.d. 275.29 Ok41C

44455 MURASHKO, ĬU. V., and SHADRUKHINA, E. A. For further increase of milk production of cattle on state farms. (In Russian.) Sotsialist. Zhivotnovod. 14(12):21-26. 1952. 49 So71

44456 NEVZOROV, G. A. Achievements of Adler State Farm in increasing milk production in cattle. (In Russian.) Sotsialist. Zhivotnovod. 14(11):25-35. Nov. 1952. 49 So71

44457 NOCE, G. DALLA. Cattle and mountain. (In Italian.) Avvenire Agr. 61:36-38. Feb.1953. 16 Av9
Italy.

44458 PEARSON, N., and SNYDER, W. W. 4-H dairy club manual. Mich. State Col. Agr. Ext. Club B. 17,rev., 70 p. Mar.1953. 275.29 M58C

44459 PELCHAT, V. Doit-on ou non produire des veaux de lait? Ferme 14(6):51-52,83. Feb.1953. 7 F38
Canada.

44460 PERRY, E. J. What's new in dairy husbandry. Better Farming Methods 25(3):48-49. Mar.1953. 58.8 B46

44461 PHILLIPS, R. Meat production from cattle in West Wales 1943-8. J. Agr. Sci. 43:72-76. Ref. Jan. 1953. 10 J822

44462 POPE, L. S. What's new in beef husbandry. Better Farming Methods 25(3):52,54. Mar.1953. 58.8 B46

44463 PROULX, J. R. Le contrôle laitier postal, moyen efficace de sélection. Ferme 14(5):23,33,52,74. Jan.1953. 7 F38

44464 PULVER, E. Zur rationalisierung der rindviehhaltung. Grüne 81:148-150. Feb.6,1953. 17 Sch9

44465 RAITHBY, G. E. Dairy herd management. 11. Records and record keeping. Holstein-Friesian J. 15(11): 34,36-37. Feb.1953. 43.8 H743

44466 RAMIREZ, N. Elogio del buey. Soc. Antioqueña de Agr. B. Agr. 392:3769-3770. Dec.1952. 9.4 So1

44467 ROTH, F. J. Die bedeutung der färsenkurzleistung von 200 tagen der ersten laktation als hinweis auf die lebensleistung, dargestellt an kühen des oldenburger zuchtgebietes. Ausbild. u. Beratung in der Landwirt. 6: 20-21. Jan.1953. 18 N11

44468 ROY, J. H. B. Calf rearing for beef production. Milk Indus. 33(8):79-81. Feb.1953. 44.8 M593

44469 RUEDEMAN, D. W. Pre-stimulation, stimulation, de-stimulation; a New York dairy farmer criticizes "efficiency expert" advice on timed milking. Hoard's Dairyman 98:296. Mar.25,1953. 44.8 H65

44470 SCHULLSTROM, W. W. Milk production at the Pan American Agricultural School. (In Portuguese.) Fazenda 48(2):28-29. Feb.1953. 6 H11P
Cattle care and feeding.

44471 SCOTT, I. W. Official recording of pure bred registered cows; leading cows and herds, 1951-52. Agr. Gaz. N. S. Wales 63:628-630,645-649. Dec.1952. 23 N472

44472 SELEKH, M. A., and PSHENICHNAIA, A. D. Practices of leaders in raising calves on the collective farms in Dnepropetrovsk Region. (In Russian.) Sotsialist. Zhivotnovod. 15(1):45-51. Jan.1953. 49 So71

44473 SEZEMOV, M. K. Effectiveness of planned introduction of scientific achievements and leading practices. (In Russian.) Sovet. Zootekh. 7(12):80-82. Dec. 1952. 49 So822
Increase of milk production on dairy cattle farms in Voronezh Region.

44474 SIRRI, A. Il vitello [The calf]. Manuali per l'Istr. ai Contadini 2,92 p. 1952. 16 M313
Care.

44475 SKURATOV, I. S., and DANILEVSKII, N. V. Practices of a leading dairy husbandry specialist. (In Russian.) Dostizhenila Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:36-38. Dec.1952. 20 D742

44476 SYBRANDY, S. R. Milk recording in the Netherlands. Windmill 9:6-7. Feb.1953. 12 W72

44477 TAVEGGIA, T. Summer care in the barn. (In Italian.) Nuova Agr. Milan. 3(14):1-2. July 15,1952. 16 C153
Cattle.

44478 TIARKIN, S. S. Method of increasing the fat content of milk in cows by temperature action on the udder. (In Russian.) Sotsialist. Zhivotnovod. 15(1):75-76. Jan.1953. 49 So71
Washing it with hot water.

44479 TSYNKOV, M. IU. On the stable system of [dairy] cattle maintenance. (In Russian.) Sovet. Zootekh. 7(11):26-36. Nov.1952. 49 So822

44480 TURNER, R. J. The cow—a most substantial thing. South. Livestock J. 12(9):14,134-136,140. Mar. 1953. 43.8 F66A

44481 VINCENT, G. Quelques considérations sur la production laitière en période hivernale et en période estivale. Rev. de l'Agr. 6:201-211. Feb.1953. 13 R322
English summary.

44482 VULCANI, R. Productive capacity of ewe and cow. (In Hebrew.) Hassadeh 33:180-181. Dec.1952. 26 H27
Milk production.

44483 WOODWARD, R. R. Beef bulls on the production line. Rur. New-Yorker 103:122,142. Feb.21,1953. 6 R88
Gaining ability of steers tested at the U. S. Range Livestock Station, Miles City, Montana.

DOGS AND CATS

Breeds and Breeding

44484 ANGEL, G. M. El Hor—el Baraka; the romance of the Saluki. Dog World [Bradford] (n.s.)36:185-186. Feb.6,1953. 48.8 D674

44485 ANTOINE, J. Contribution à l'étude de l'insémination artificielle chez le chien; étude systématique du sperme de chien. Vierzon,Poivert,1952. 50 p. Ref. 48 An8
Thèse - Ecole Nationale Vétérinaire, Alfort.

44486 BERLOWITZ, P. W. One solution to the Cocker popularity loss. Cocker Spaniel Visitor 15(3):10-11. Mar.1953. 48.8 C64

44487 CASTAING, J. Braque français? Pas mort. Chasse, Chiens et Vénerie (n.s.)14:20-21. Jan.1953. 48.8 C43

44488 GLOVER, L. H. H. The new Afghan looks at the old. Dog World [Bradford] (n.s.)36:329. Feb.27,1953. 48.8 D674

44489 KEHL, L. W. Study of Cocker pedigrees. Cocker Spaniel Visitor 15(3):6-9. Mar.1953. 48.8 C64

44490 LUCCANTONI, P. Ce qu'est actuellement le Bouvier des Flandres. Vie à la Campagne 42:61-62. Feb.1953. 80 V67

44491 LUCENA SOLA, R. Razas de perros de caza—el "Setter." B. de Zootec. 8:333-348. Ref. Nov.1,1952. 41.9 So16

44492 PALMER, G. F. The Weimaraner. N. Z. Dog World 7(12):2-3. Jan.1953. 48.8 N48

44493 PESCE, P. A. Raising a Pointer in Italy. (In Italian.) Prog. Vet. 8:142-144. Feb.15,1953. 41.8 P942

44494 SCALES, H. A. Labrador, dog you've been looking for. Fur-Fish-Game 48(3):42-43. Mar.1953. 410 F962

44495 STEFFENS, H. Der Schottische Terrier. Deut. Kleintier-Züchter 8(3):3. Feb.5,1953. 49 D483

44496 VEREIN FUR DEUTSCHE SCHAFERHUNDE. 1952 zuchtbuch für Deutsche Schäferhunde, v. 44. Augsburg,1952. 347 p. 48.9 D48

Feeds and Feeding

44497 MEHLS, H. J. Bemerkungen über die biologische fütterung des hundes. Pirsch 5:14-16. Jan.3,1953. 410 P66

44498 UDALL, R. H., RANKIN, A. D., and MOSS, L. C. Energy requirements of dogs. Vet. Med. 48:111-114. Mar.1953. 41.8 M69

Veterinary Medicine

44499 ANDERSON, W. D., SCHLOTTHAUER, C. F., and JANES, J. M. Method for treatment of fractures of the femoral neck in the dog. I. An experimental study. Amer. Vet. Med. Assoc. J. 122:158-160. Mar.1953. 41.8 Am3

44500 BAKER, D. L., RAMSEY, F. K., and SYLWESTER, E. P. Suspected poisoning of dogs from eating grasses treated with 2,4-D. No. Amer. Vet. 34:194. Mar.1953. 41.8 N812

44501 BINDRICH, H. Vorläufige mitteilung über eine vakzine gegen die hundestaupe. Monatsh. f. Vetmed. 8:34. Jan.15,1953. 41.8 M742

44502 BJERKNES, C. The reason for our hunting tests. (In Norwegian.) Norsk Kennel Klub. Tidsskr. 54: 3-5. Jan.1953. 48.9 N81T

44503 BORGMAN, R. F. Dosage studies of surital sodium in dogs. Amer. Vet. Med. Assoc. J. 122:161-163. Mar.1953. 41.8 Am3

44504 BOYD, W. J. Carsickness in dogs. Amer. Vet. Med. Assoc. J. 122:198-199. Mar.1953. 41.8 Am3

44505 CARRETERO, F. La rabia. Agr. Venezol. 17 (157):14-16. Nov.1952. 9.95 Ag8
In dogs.

44506 CHELLERI, F., and CASO, E. Sulfonamides in the treatment of canine otitis. (In Italian.) Prog. Vet. 8:105-107. Feb.1,1953. 41.8 P942

44507 CHITWOOD, M. B., and ENZIE, F. D. The domestic cat a new host for Capillaria plica in North America. Helminthol. Soc. Wash. Proc. 20:27-28. Ref. Jan.1953. 436.9 H36

44508 COTCHIN, E. Primary carcinoma of the choroid plexus of the fourth ventricle in a dog. J. Path. & Bact. 65:257-258. Jan.1953. 448.8 J82

44509 DALY, I. DE B., and HEBB, C. Pulmonary vasomotor fibres in the cervical vagosympathetic nerve of the dog. Q. J. Expt. Physiol. & Cog. Med. Sci. 37:19-43. Ref. Feb.1952. 447.8 Q1

44510 DARNIS, L. La résistance globulaire chez le chien. Maisons-Alfort,Au Manuscrit,1952. 62 p. Ref. 444 D25
Thèse - Ecole Nationale Vétérinaire, Alfort.

44511 DRILL, V. A., and HIRATZKA, T. Toxicity of 2,4-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid; a report on their acute and chronic toxicity in dogs. A. M. A. Arch. Indus. Hyg. & Occup. Med. 7:61-67. Jan.1953. 449.8 Ar24

44512 DYSON, E. Before the pups come. Dog World [Bradford] (n.s.)36:281-282. Feb.20,1953. 48.8 D674

44513 EISENACK, W. Beitrag zum problem der myopathien beim hunde. Tierärztl. Umschau 8:41-44. Feb.1953. 41.8 T445

44514 FLATLA, J. L. Vaccine with inactivated virus in distemper prophylaxis in dog. (In Norwegian.) Nord. Vetmed. 5:160-165. Feb.1953. 41.8 N813
English summary.

44515 HARTHOORN, A. M. The effect of various forms of fluid replacement during circulatory imbalance in the dog. II-III. Vet. Rec. 65:51-57,70-74. Ref. Jan. 24-31,1953. 41.8 V641

44516 HERZBERGER, A. C. Mesenteric hernia in the dog. Colo. Vet. Med. Assoc. B. 1(11):11. Nov.1952. 41.9 C7132

44517 HEUER, R. Uber die erfahrungen mit aureomycin "Lederle" bei verschiedenen hundekrankheiten. Tierärztl. Umschau 8:50-51. Feb.1953. 41.8 T445

44518 JONAS, S. Compound comminuted fracture of the patella. No. Amer. Vet. 34:189-191. Mar.1953. 41.8 N812
Dog.

44519 KNIRK, H. W., and EADS, F. E. Clinical experience with surital sodium as an anesthetic in over 400 dogs and cats. No. Amer. Vet. 34:195-196. Mar.1953. 41.8 N812

44520 KOUTZ, F. R., and GROVES, H. F. Strongyloides stercoralis from a dog in Ohio. Amer. Vet. Med. Assoc. J. 122:211-213. Ref. Mar.1953. 41.8 Am3

44521 LAMBERT, N. H. Some experiences with "mysoline" in dogs. Vet. Rec. 65:123-124. Feb.21,1953. 41.8 V641
Anticonvulsant.

44522 LINKE, E. Die entzündlichen rückenmarkserkrankungen des hundes und ihre behandlung mit einem neuen injektionspräparat "Wamysol." Monatsh. f. Vetmed. 8:7-9. Jan.1,1953. 41.8 M742

44523 MCKERCHER, D. G. Feline pneumonitis. II. The effect of antibiotics on the experimental infection. Amer. J. Vet. Res. 14:105-110. Jan.1953. 41.8 Am3A

44524 MCLEOD, W. L. Information on rabies (hydrophobia). Pee Dee Hi-Lite 4(2):3,6. Feb.1953. 335.8 P34

44525 MALANDRINO, E., and CALDORA, L. A step forward in the control of [canine] distemper. (In Italian.) Prog. Vet. 7:806,808,810. Dec.1,1952. 41.8 P942
Treatment with "Helvezine."

44526 MATHER, G., and LOW, D. Chronic pulmonary osteoarthropathy in the dog. Amer. Vet. Med. Assoc. J. 122:167-171. Mar.1953. 41.8 Am3

44527 MONGE, D. L'harmonicité chez le chien. Paris,Borrel,1952. 60 p. Ref. 444 M744
Thèse - Ecole Nationale Vétérinaire, Alfort.

44528 MORQUER, R., PUGET, E., and BAZEX, A. Sur un nouvel agent de blastomycose chez le chien. Acad. des Sci. Compt. Rend. 236:546-548. Feb.2,1953. 505 P21

44529 NIELSEN, S. W., and HOLZWORTH, J. Visceral lymphosarcoma of the cat. Amer. Vet. Med. Assoc. J. 122:189-197. Ref. Mar.1953. 41.8 Am3

44530 RIBELIN, W. E. The incidence of distemper in canine encephalitis cases. Amer. J. Vet. Res. 14:96-104. Ref. Jan.1953. 41.8 Am3A

44531 SCHAME. Beobachtungen am haarkleid des hundes. Pirsch 5:12-14. (Cont.) Jan.3,1953. 410 P66

44532 SCHAME. Beobachtungen am haarkleid des hundes. Pirsch 5:77-79. (Cont.) Jan.31,1953. 410 P66

44533 SCHAME. Beobachtungen am haarkleid des hundes. Pirsch 5:140-141. (Concl.) Feb.28,1953. 410 P66

44534 SCHEU, O. Untersuchungen über die ansteckende leberentzündung des hundes oder hepatitis contagiosa canis (Rubarth). Tierärztl. Umschau 8:48-50. Ref. Feb.1953. 41.8 T445

44535 SEIBOLD, H. R., ROBERTS, C. S., and JORDAN, E. M. Cryptococcosis in a dog. Amer. Vet. Med. Assoc. J. 122:213-215. Mar.1953. 41.8 Am3

44536 SENET, A. Un petit ver du chien dangereux pour l'homme: le ténia échinocoque [Taenia solium]. Nature [Paris] 3203:94-95. Mar.1952. 473 N21

44537 SODERBERG, P. M. ABC of cat diseases. Fond du Lac,Wis.,1952. 64 p. 41 So126

44538 STUNZI, H., and POPPENSIEK, G. C. Zur pathogenese der hepatitis contagiosa canis. 2. Teil: Untersuchungen an rekonvaleszenten versuchshunden. Schweiz. Z. f. Allg. Path. u. Bakt. 16:79-85. Ref. 1953. 448.8 Sch9
English summary.

44539 THALMEIER, H. Gefässveränderungen bei leptospirose des hundes. Deut. Tierärztl. Wchnschr. 60: 67-69. Feb.1,1953. 41.8 D482

44540 VANDERBRIGGHE, A. Un cas singulier d'hemopéricarde par rupture de l'oreillette droite. Ann. de Méd. Vet. 96:492-494. Dec.1952. 41.8 An78
Case of a dog.

44541 ZUNKER, M. Uber atypischen verlauf von experimentellen tollwutinfektionen. Monatsh. f. Tierheilk. 5:2-8. 1953. 41.8 M74

Miscellaneous

44542 ADIE, R. J. Sledge dogs of the Falkland Islands Dependencies Survey, 1947-50. Polar Rec. 6: 631-641. Jan.1953. 472 P75

44543 FULLER, J. L. Cross-sectional longitudinal studies of adjustive behavior in dogs. N. Y. Acad. Sci. Ann. 56:214-224. Ref. Feb.25,1953. 500 N484

44544 MATHESON, C. The status and influence of the domestic dog in towns. Roy. Sanit. Inst. J. 73:143-146. Ref. Mar.1953. 449.9 R812

44545 PESCE, P. A. Let's not neglect dog-raising. (In Italian.) Prog. Vet. 8:6. Jan.1,1953. 41.8 P942

44546 QUIROGA Y LOSADA, D. El cazador con perro de muestra, es el verdadero cazador? Montes 8:413-417. Nov./Dec.1952. 99.8 M763

44547 STEFFENS, H. Verständigung mit dem hunde. Deut. Kleintier-Züchter 8(1):1-2. Jan.5,1953. 49 D483

44548 STEIN, E. VON. Zwingerfragen. Pirsch 5: 141-143. Feb.28,1953. 410 P66
Hunting dogs.

FUR ANIMALS - PEN RAISED

Breeds and Breeding

44549 ALEKSANDROV, K. K. Results of double mating of Silver Black vixens with different foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):75-76. Nov./Dec.1952. 49 K14

44550 BERGSTROM, S. Breeding of mink. (In Swedish.) Vara Pälsdjur 24:30-31. Feb.1,1953. 410 V42

44551 HAMMOND, J. Gonadotrophin-induced ovulation in mink. J. Mammal. 33:218-233. May 1952. 410 J823

44552 KING, A. W. Breeding mink genetically. Natl. Fur News 25(2):14,34. Mar.1953. 412.628 R59

44553 MCNICHOL, H. L. Mating mink. Fur-Fish-Game 48(3):44-45. Mar.1953. 410 F962

44554 PAUSE, K. Gewissensfragen unserer nerzzucht. Deut. Pelztierzüchter 27:11-13. Jan.25,1953. 412.628 D48

44555 SCHUMACHER, A. E. Tattle-tale tails. Natl. Chinchilla Breeder 9:18,29. Mar.1953. 412.628 N21
Color.

44556 ZANKER, S. Das qualitätsproblem in der nutriazucht. Österr. Kleintierzüchter 8:8-9. (Cont.) Jan. 1953. 49 Os7
Breeding.

44557 ZANKER, S. Das qualitätsproblem in der nutriazucht. Osterr. Kleintierzüchter 8:29. (Cont.) Feb. 1953. 49 Os7
Breeding.

Feeds and Feeding

44558 ERKOMAISHVILI, S. K. Pupae of the mulberry silkworm—a valuable product. (In Russian.) Tekstil'. Promysh. 12(12):40-41. Dec.1952. 304.8 T23
Utilization as feed for fur-bearing animals.

44559 LALOR, R J. How to use antibiotics for feed and disease. Black Fox Mag. & Mod. Mink Breeder 36 (10):15,30-31,33. Feb.1953. 410 B56

44560 RIMESLÄTTEN, H. Experiments with supplements of various fatty substances to Silver fox kits. (In Norwegian.) Norsk Pelsdyrbl. 27:17-23. Jan.20,1953. 412.628 N812

44561 ROBERTS, W. L. New developments in feeding mink. Black Fox Mag. & Mod. Mink Breeder 36(10):12-13,22-24. Feb.1953. 410 B56

44562 SOLDATOVA, P. E. Use of local wild-growing grasses in rations of fur-bearing animals. (In Russian.) Karakulevodstvo i Zverovodstvo 6:75-76. Jan./Feb.1953. 49 K14

44563 TEWKSBURY, H. G. Whale meat high in protein content. Black Fox Mag. & Mod. Mink Breeder 36 (10):16,28-29. Feb.1953. 410 B56

44564 THIERSTEIN, O. Mink food out on the boards can stay wholesome—need not get foulsome. Nat. Fur News 25(2):16-17,27-28. Mar.1953. 412.628 R59

Veterinary Medicine

44565 BUZINOV, I. A., and others. Infectious gastroenteritis in sables. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):57-62. Nov./Dec.1952. 49 K14
E. A. Zuikova, S. L. Petrosian, and A. P. Titova, joint authors.

44566 BUZINOV, I. A. Infectious gastroenteritis of sables. (In Russian.) Karakulevodstvo i Zverovodstvo 6:64-68. Jan./Feb.1953. 49 K14

44567 ELISEEV, K. M. Ear mange of Silver Black foxes and measures for controlling it. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):75-76. Sept./Oct. 1952. 49 K14

44568 KRAHNERT, R., and KUPKY, M. Vergiftung durch taumelkerbel (Chaerophyllum temulum) beim sumpfbiber. Monatsh. f. Vetmed. 8:9-12. Ref. Jan.1, 1953. 41.8 M742

44569 KUZNETSOV, G. A. Effect of light on sexual function of male Silver Black foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):41-47. Nov./Dec.1952. 49 K14

44570 MØLLER, T. Toxoplasmosis vulpis vulpis (fox toxoplasmosis). Acta Path. et Microbiol. Scand. Sup. 93:308-320. Ref. 1952. 448.3 Ac8

44571 MOMBERG-JØRGENSEN, H. C. Investigations on "yellow fat" of mink. (In Danish.) Dansk Pelsdyravl 16:44-50. Feb.1,1953. 412.628 D23

44572 NEWBERNE, P. M. A preliminary report on the blood picture of the South American chinchilla. Amer. Vet. Med. Assoc. J. 122:221-222. Mar.1953. 41.8 Am3

44573 NEWBERNE, P. M. An outbreak of bacterial gastro-enteritis in the South American chinchilla. No. Amer. Vet. 34:187-188,191. Mar.1953. 41.8 N812

44574 NEWBERNE, P. M. Treatment of anomalies of the eye in South American chinchilla. Vet. Med. 48: 126. Mar.1953. 41.8 M69

44575 RUSSKIKH, A. P. Age and seasonal variation in hair cover of minks. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):47-52. Sept./Oct.1952. 49 K14

44576 SHCHERBAKOV, I. G. Colibacillus in sables and its control. (In Russian.) Karakulevodstvo i Zverovodstvo 6:69-72. Jan./Feb.1953. 49 K14

44577 VASIL'EVA, N. S. Examination of discharge from sex organs of female minks. (In Russian.) Karakulevodstvo i Zverovodstvo 6:77. Jan./Feb.1953. 49 K14

44578 VASIL'EV, N. T. Gastritis of Silver Black foxes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6): 63-68. Nov./Dec.1952. 49 K14

44579 VOSTROPIATOV, P. A. Pasteurellosis of minks. (In Russian.) Karakulevodstvo i Zverovodstvo 6:77-78. Jan./Feb.1953. 49 K14

Miscellaneous

44580 BROMBERG, I. S. For further development of collective farm fur animal production. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):37-44. Sept./Oct. 1952. 49 K14

44581 CHKHIKVADZE, D. I., and BALAEV, N. P. On semi-free raising of young nutria. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):64-66. Sept./Oct.1952. 49 K14

44582 DONAHUE, J. Production line care. Natl. Chinchilla Breeder 9:14-15. Mar.1953. 412.628 N21

44583 KULL, K. E. Hygienic problems in connection with fur farming. (In Swedish.) Vära Pälsdjur 24:32-37. Feb.1,1953. 410 V42

44584 LUND, A. Home judging of entire fur farms. (In Swedish.) Vära Pälsdjur 23:331-334. Dec.15,1952. 410 V42

44585 RAPP, B. On nutria fur. (In Swedish.) Vära Pälsdjur 24:37-39. Feb.1,1953. 410 V42

44586 ROCHMANN, R. Association of Fur Farmers of Finland 25 years. (In Norwegian.) Norsk Pelsdyrbl. 27: 26-28. Jan.20,1953. 412.628 N812

44587 SCHMIDT, F. Der nerz, einmal anders betrachtet! Deut. Pelztierzüchter 27:24-27. Feb.25, 1953. 412.628 D48

44588 STAKHROVSKII, E. V. Fur animal raising [on collective farms] in Turin District, Sverdlovsk Region. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):45-47. Sept./Oct.1952. 49 K14

44589 STEVENSON, J. H. F. Fur farming in Great Britain. (In Danish.) Dansk Pelsdyravl 16:53-55. Feb.1, 1953. 412.628 D23

44590 TORCHIO, E. E. Expanding the activities of the National Board. Natl. Fur News 25(2):18,32. Mar. 1953. 412.628 R59

44591 ZIESKE, R. Die bewertung der sumpfbiber in Kiel. Deut. Pelztierzüchter 27:2-5. (Cont.) Jan.25,1953. 412.628 D48

44592 ZIESKE, R. Die bewertung der sumpfbiber in Kiel. Deut. Pelztierzüchter 27:28-31. (Concl.) Feb.25, 1953. 412.628 D48

HORSES AND MULES

Breeds and Breeding

44593 AEHNELT, E. Zur samenübertragung beim pferd. Fortpflanzung u. Besamung der Haustiere 3:4-6. (Concl.) Jan.7,1953. 41.8 F773

44594 BARTOLOVIC, T. On the development of Arabian foals in the first year of life. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:752-761. 1952. 41.8 V6494
English summary.

44595 BRITISH PERCHERON HORSE SOCIETY. Stud book. Vol. X, 1952. Cambridge,1952. 89 p. 42.9 B77

44596 BUCHANAN, A. N. M. Clydesdales in 1952. Scot. Farmer 61(3141):161-167. Jan.1,1953. 10 Sco8

44597 CARTWRIGHT, J. Arab blood in the cow horse. West. Horseman 18(3):10-11. Mar.1953. 42.8 W522

44598 CHASHKIN, I. N., and BORKUM, V. Z. Clinical and hematological indexes of training young horses of the New Kirghiz breeding group in connection with the high-mountain factor. (In Russian.) Konevodstvo 22(11):23-30. Nov.1952. 42.8 K832

44599 CHASHKIN, I. N., and PANCHENKO, S. D. Results of testing horses of the New Kirghiz type under load in high mountain conditions. (In Russian.) Konevodstvo 22(10):32-36. Oct.1952. 42.8 K832

44600 COCHRAN, K. Gray coats and gray blood. Thoroughbred Calif. 16:250-251,260. Mar.1953. 42.8 T393
Breeding.

44601 COWAN, W. A. Stallions—importance for progress. Morgan Horse Mag. 13(3):11. Mar.1953. 42.8 M82
As sires.

44602 GARCIA CARLOS, S. La mula Catalana. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:162. July 1952. 15 C14

44603 GASANOV, S. O. Rehabilitation of the Karabakh breed of horses in Azerbaijan. (In Russian.) Konevodstvo 22(11):20-22. Nov.1952. 42.8 K832

44604 HELLBUSCH, C. E. Quarter Horse show—competition keynotes steady progress of breed at Denver. West. Livestock J. 31(5):237-239. Jan.1953. 6 F2278

44605 ILANCIC, D. Statistics and structure of horse breeding in Bosnia and Herzegovina. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:715-725. 1952. 41.8 V6494
English summary.

44606 KARPOV, S. K. Results of crossing the local Chuvash horse with the Soviet Draft horse. (In Russian.) Konevodstvo 22(11):14-18. Nov.1952. 42.8 K832

44607 MERKENS, J. Color inheritance of horses. (In Dutch.) Tijdschr. v. Diergeneesk. 78:189-216. Ref. Mar.1,1953. 41.8 T431
English summary.

44608 NASKE, A. Oberösterreichs pferdezucht. Bauer 6(6):12-13. Feb.7,1953. 19 B32

44609 NORWAY. STATENS STAMBOKKONTOR FOR HEST. Stambok over Fjordhest, 19. bandet Hopper [Stud book for Fjordhest, volume 19. Mares]. Oslo,1952. 387 p. 42.9 N83S

44610 PARSHUTIN, G. V., and SKATKIN, P. N. Role of artificial insemination in horse-breeding. (In Russian.) Konevodstvo 23:18-22. Jan.1953. 42.8 K832

44611 PORTER, W. H. Speed begets speed. West. Livestock J. 31(16):142-145. Mar.1,1953. 6 F2278
Breeding Quarter Horses.

44612 PRAWOCHENSKI, R. The halfblood horse of Nowy Sacz. (In Polish.) Rocz. Nauk Roln. 59:69-91. Ref. 1952. 20.5 R59
English summary.

44613 REMIZOV, A. A. New breed of horses, Soviet Draft. (In Russian.) Konevodstvo 22(10):1-9. Oct.1952. 42.8 K832

44614 SHCHETNEV, M. I. Method of utilizing the best stallions. (In Russian.) Konevodstvo 22(12): 33-36. Dec.1952. 42.8 K832

44615 TEMNIKOV, L. A. On artificial insemination in tabun horse breeding. (In Russian.) Konevodstvo 22 (10):22-23. Oct.1952. 42.8 K832

44616 WILLIAMS, H. F. New 4-H Club project. Natl. Horseman 89(3):20-21,106-107. Mar.1953. 42.8 N21
Horse breeding.

44617 ZHIVOTKOV, KH. I. In regard to winter and early spring breeding of mares. (In Russian.) Konevodstvo 22(10):16-22. Oct.1952. 42.8 K832

Feeds and Feeding

44618 BIGGLE, J. Feeding horses. Mont. State Col. Farmer 6(2):9,22. Feb.1953. 276.8 M76

44619 HOWELL, C. E. Horse feeding is related to work performed. West. Feed & Seed 8(3):26,54,67-68. Mar.1953. 389.78 W52

Veterinary Medicine

44620 ALEKSANDROVA, S. V. Some peculiarities in changes of the blood picture in horses during various forms of proportioned work. (In Russian.) Konevodstvo 22(11):30-38. Nov.1952. 42.8 K832

44621 ALEXANDER, F. Some functions of the large intestine of the horse. Q. J. Expt. Physiol. & Cog. Med. Sci. 37:205-214. Ref. Dec.1952. 447.8 Q1

44622 BOOTH, N. H., and RANKIN, A. D. Studies on the pharmacodynamics of curare in the horse. I-II. Amer. J. Vet. Res. 14:51-59. Ref. Jan.1953. 41.8 Am3A

44623 CHASHKIN, I. N., and BOGDANOV, P. P. Some regularities of embryonic and post-embryonic growth and development of Don-Kirghiz horses under tabun conditions. (In Russian.) Konevodstvo 22(12):6-16. Dec.1952. 42.8 K832

44624 CRONIN, M. T. I. Exchange transfusion in the foal. Vet. Rec. 65:120-123. Feb.21,1953. 41.8 V641

44625 DAVIDSON, A. H. Lameness; inflammation, joint and tendon troubles. Blood-Horse 65:638,641,643-644,647. (Cont.) Mar.14,1953. 42.8 T392

44626 DOLGOV, M. G. Professor G. M. Bosh'ian's method of treating horses against infectious anemia. (In Russian.) Veterinariia 29(11):25-26. Nov.1952. 41.8 V6426

44627 DOLL, E. R., and others. Complement-fixation antibody response following administration of equine virus abortion vaccine. Amer. J. Vet. Res. 14:46-48. Jan.1953. 41.8 Am3A

M. E. Wallace, J. T. Bryans, and M. G. Richards, joint authors.

44628 DOLL, E. R., and others. Complement-fixation reactions in equine virus abortion. Amer. J. Vet. Res. 14:40-45. Ref. Jan.1953. 41.8 Am3A

W. H. McCollum, M. E. Wallace, J. T. Bryans, and M. G. Richards, joint authors.

44629 DOLL, E. R., and HULL, F. E. Virus abortion research. Thoroughbred Calif. 16:244,284. (Cont.) Mar. 1953. 42.8 T393

44630 ECKELL, O. A. Ictericia de los mulares recién nacidos—anemia de los potrillos recién nacidos. Caballo 98:31-33. Ref. Mar.1952. 42.8 C11

44631 ESCUDER, D. Anemia infecciosa de los equinos. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(449):4. Jan.8,1953. 9.9 G15B

44632 ESIUTIN, A. V. On the treatment of feather grass [Stipa] disease [in horses] by a surgical method. (In Russian.) Veterinariia 29(11):50-54. Nov.1952. 41.8 V6426

44633 GALLINA, L. Obstetrical notes. XIII. (In Italian.) Prog. Vet. 7:836-837; 8:34-36. Dec.15,1952-Jan.1,1953. 41.8 P942

Cases of dystocia in horses.

44634 GALLINA, L. Obstetrical notes. XVI-XVIII. (In Italian.) Prog. Vet. 8:72,144. Jan.15,Feb.15,1953. 41.8 P942

Dystocia in horses.

44635 GARDE, M. Conceptos generales sobre el esparaván. Caballo 98:34-36. Mar.1952. 42.8 C11

44636 GOFFINET. La pathologie dentaire chez le cheval. Ann. de Méd. Vet. 96:467-491. Dec.1952. 41.8 An78

44637 GOMEZ, A. V. Stalking the stork. Thoroughbred Calif. 16:232-233,286-287. Mar.1953. 42.8 T393

Parturition.

44638 GONZALEZ CUBILLO, J. La gestacion de la burra, la yegua y la vaca. Cam. Ofic Sind. Agr. de Barcelona. B. 7:218-219. Sept.1952. 15 C14

44639 GONZÁLEZ CUBILLO, J. Modificaciones técnicas del metodo Cuboni en el diagnóstico de gestacion en la yegua y la burra. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:238. Oct.1952. 15 C14

44640 GROSHEVA, M. E. Etiopathogenesis of acute distention of the stomach in a horse. (In Russian.) Veterinariia 29(11):46-49. Nov.1952. 41.8 V6426

44641 HARMS, A. J. Studies on the blood proteins of hyperimmune horses. I-III. J. Sci. Food & Agr. 4:65-80. Feb.1953. 382 So12

44642 HEINIG, A. Uber den wert des kreuzinfektionsversuches zur feststellung der infektiösen anämie. Monatsh. f. Vetmed. 8:45-47. Feb.1,1953. 41.8 M742

44643 HIRTZ, J. Etude électrophorétique du sérum de chevaux infectés expérimentalement d'anémie infectieuse. Rev. d'Immunol. 16:397-405. 1952. 448.8 R323

44644 LUBKE, A. Der ausfall der xanthoproteinreaktion bei der virusanämie des pferdes. Deut. Tierärztl. Wchnschr. 60:79-80. Feb.1,1953. 41.8 D482

44645 LUKACEVIC, J., and VRANKA, M. Comparison of results of allergic reaction and complement fixation test in glanders. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:797-800. 1952. 41.8 V6494

English summary.

44646 MAAS, D. VAN D. Muscular rheumatism of horses. (In Dutch.) Tijdschr. v. Diergeneesk. 78:217-218. Mar.1,1953. 41.8 T431

44647 MCGEE, W. R. Veterinary notes for the Standardbred breeder. Hoof Beats 21:8-16. Mar.1953. 42.8 H76

Parturition and diseases of foals.

44648 MANAKOV, I. D. Investigation of conditioned motor reflexes in horses. (In Russian.) Konevodstvo 22(11):6-13. Nov.1952. 42.8 K832

44649 MANAKOV, I. D. Methods of investigating motor reflexes in horses. (In Russian.) Konevodstvo 22 (10):10-15. Oct.1952. 42.8 K832

44650 MONTEVERDE, J. J., and GARBERS, G. V. Infecciones a estreptococos beta-hemolíticos en potrillos P. S. C. comprobadas en Argentina. (Sum.) Rev. de Med. Vet. [Buenos Aires] 34:103-104. Apr./June 1952. 41.8 B86

44651 NICHOLS, R. E. Can calcium, inorganic phosphate, and magnesium values of horse blood be expressed as ratios? Amer. J. Vet. Res. 14:60-61. Jan. 1953. 41.8 Am3A

44652 ONEGOV, A. P. Mioglobinuriia loshadeĭ [Myoglobinuria in horses]. Moskva,Gos. Izd-vo Selkhoz Litry,1952. 59 p. Ref. 41 On2

44653 OVCHINNIKOV, P. A. On therapeutic and preventive action of hemosporidin (LP_2) during piroplasmosis in horses. (In Russian.) Veterinariia 29(12):21-23. Dec.1952. 41.8 V6426

44654 POKUDIN, A. A. Chronic alveolar emphysema of the lungs in horses of an unexplained etiology. (In Russian.) Veterinariia 29(12):35-37. Dec.1952. 41.8 V6426

44655 POMMIER, G. H. Les maladies du cheval. Paris,Vigot,1952. 163 p. (His Collection des Maladies des Animaux Domestiques, Fasc. 3) 41 P772Mc

44656 POPKOV, V. P. Change of the leukoformula of the blood, cells of the mucous secretion of genital glands during the maturing of follicles in mares. (In Russian.) Konevodstvo 22(10):28-31. Oct.1952. 42.8 K832

44657 QUIRING, D. P., and BAKER, R. J. The equine heart. Amer. J. Vet. Res. 14:62-67. Jan.1953. 41.8 Am3A

44658 ROSENKRANTZ, S. A clinical contribution to toxic autoinfection of intestinal origin in the horse. (In Italian.) Prog. Vet. 7:811-812. Dec.1,1952. 41.8 P942

44659 SALT, H. A. Ruptured prepubic tendon. No. Amer. Vet. 34:184. Mar.1953. 41.8 N812

In a horse.

44660 SCOTT, M. L. Bleeding in race horses: a new way to control it. Vet. Med. 48:95-97. Ref. Mar.1953. 41.8 M69

44661 SEGAL, M. Algo sobre el pie del caballo y su herrado. Caballo 98:37-39. Mar.1952. 42.8 C11

44662 SENNIKOV, M. I. Experiment in eradicating infectious anemia in horses by Professor G. M. Bosh'ian's method. (In Russian.) Veterinariia 29(12):23-25. Dec. 1952. 41.8 V6426

44663 SINCLAIR, L. R., and ENZIE, F. D. Toluene against ascarids and bots [Gasterophilus spp.] in horses. Amer. J. Vet. Res. 14:49-50. Jan.1953. 41.8 Am3A

44664 VANDEPLASSCHE, M., and VANHEUVERSWIJN, A. Treatment of dystocia with prolapse of bladder with intestines in a mare. (In Flemish.) Vlaams Diergeneesk. Tijdschr. 22:8-11. Jan.1953. 41.8 V84

English summary.

44665 VASIL'EV, K. M. Obtaining and utilizing products of animal and plant protein pyrolysis for medicinal purposes. (In Russian.) Veterinariia 29(11):42-46. Nov.1952. 41.8 V6426

Chiefly on treatment of diseases in horses.

44666 ZHIVOTKOV, KH. Abortion in mares during the early stage of pregnancy. (In Russian.) Veterinariia 29(11):55-57. Nov.1952. 41.8 V6426

Miscellaneous

44667 BARANOV, I. How we're utilizing draft animals [horses and oxen.] (In Russian.) Kolkhoz. Proizvodstvo 13:38-39. Jan.1953. 281.8 K83

44668 CHODNIKIEWICZ, S. The Podlaski horse. (In Polish.) Rocz. Nauk Roln. 59:93-121. 1952. 20.5 R59

English summary.

44669 DEGENHARDT, E. M. El ganado equino en la guerra y en la paz. Caballo 98:14-16. Mar.1952. 42.8 C11

44670 DOBIE, J. F. The mustangs. Boston,Little, Brown,1952. 376 p. Ref. 42 D65M

44671 FINBORUD, A. Forestry and the horse. (In Norwegian.) Skogbrukeren 28:14. Jan.15,1953. 99.8 Sk54

44672 GAMIZ-ZADE. Our problems in developing horse raising [in Azerbaijan]. (In Russian.) Konevodstvo 22(12):40-41. Dec.1952. 42.8 K832

44673 ISHIZAKI, S., HONZAWA, S., and SHINOHARA, A. Experiments on the mule production in Japan. I. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:80-85. May 1952. 107.6 K83
English summary.

44674 JUNQUEIRA, J. F. D. Practical demonstrations in the selection of the saddle horse. (In Portuguese.) Granja [Porto Alegre] 9(67):37-38. Oct.1952. 9.2 G76

44675 KING, D. Let's train our own cutting horse. West. Horseman 18(3):8-9. Mar.1953. 42.8 W522

44676 KOGAN, A. IA., and others. Experiment in raising [Soviet Draft] foals on the collective farms of Pochinkov State Breeding Station. (In Russian.) Konevodstvo 22(12):16-21. Dec.1952. 42.8 K832
V. A. Gavrikov, A. P. Khmelev, N. A. Ageev, and E. A. Kulemena, joint authors.

44677 KUTYEV, V. S. Fifteen-day race of horses of Budennyi Stud Farm. (In Russian.) Konevodstvo 22(10): 37-43. Oct.1952. 42.8 K832

44678 MACKENZIE, A. Light horses and ponies in 1952. Scot. Farmer 61(3141):145-148. Jan.1,1953. 10 Sco8
Types and breeds, shows and sales.

44679 MARSAN, G. L'hivernement des poulains. Digeste de l'Eleveur 7:11-13. Sept.1952. 49 D56

44680 MARTIN, L. Ein besuch bei den ponys Grossbritanniens. Tierzüchter 5:112-113. Mar.5,1953. 49 T445

44681 MUN'KIN, V. Horse raising farm of Chkalov Kolkhoz in Amangeldy District, Kustanay Region. (In Russian.) Konevodstvo 22(12):1-5. Dec.1952. 42.8 K832

44682 RICE, J. C. Transport for injured horses. Vet. Rec. 65:89-91. Feb.7,1953. 41.8 V641

44683 RIES, L. W. Vereinfachte und verbilligte pferdehaltung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:429-430. Mar.12,1953. 18 L2346

44684 SAIGIN, I. A. On milking mares and raising foals. (In Russian.) Konevodstvo 22(10):24-27. Oct.1952. 42.8 K832

44685 SANDSTRÖM, G. The forest horse and its care. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 31:3-5,15-16. Jan.1953. 49.9 Sk1

44686 SCHAUS, R. Don't break 'em—train 'em! West. Livestock J. 31(5):221-222. Jan.1953. 6 F2278
Horses.

44687 TAYLOR, L. Stallion management. West. Livestock J. 31(16):133-134,136-138. Mar.1,1953. 6 F2278

44688 TROITSKII, B. One way of lowering the cost of stud farm production. (In Russian.) Konevodstvo 22 (11):18-20. Nov.1952. 42.8 K832
Utilization of mares for draft work.

44689 VETULIANI, T. The problem of the tarpan in the light of the latest works of the Academy of Sciences of U.S.S.R. on the history of horses in the Old World. (In Russian.) Zool. Zhur. 31:727-735. Ref. Sept./Oct.1952. 410 R92

44690 VIDAURRE, J. M. Apuntes sobre la equitacion antigua. Caballo 98:17-19. Mar.1952. 42.8 C11

LABORATORY ANIMALS, SMALL

Veterinary Medicine

44691 GODGLÜCK, G. Eine primäre geschwulst der milz bei einem syrischen Goldhamster. Monatsh. f. Vetmed. 8:31-32. Jan.15,1953. 41.8 M742

44692 JACOTOT, H., and VALLEE, A. Essai d'exaltation du pouvoir pathogène des brucelles pour le cobaye par addition de mucine. Inst. Pasteur. Ann. 84:445-447. Feb.1953. 448.3 An75

POULTRY

Breeds and Breeding

44693 BERGE, H. Weisse Plymouth-Rocks. Deut. Kleintier-Züchter 8(2):3. Jan.20,1953. 49 D483

44694 BERGE, H. Weisse Plymouth-Rocks. Deut. Kleintier-Züchter. Ausg. Geflügel 8(2):2. Jan.20,1953. 47.8 D484

44695 BOHREN, B. B. What can we expect from our poultry breeders? Ind. Poultry Blue Book 1953:16,73,77. 47.9 In2

44696 COGAN, B. Letters on the Muscovies. Mag. Ducks & Geese 1,i.e.4:9-10. Winter 1953. 47.8 M27

44697 COLLINS, W. F. Breeding for white broilers. Broiler Growing 4(3):16-17,54-56. Mar.1953. 47.8 B782

44698 DAVYDOV, S. G., and FOMIN, A. I. Experiment in introducing industrial crossing into poultry breeding. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:70-75. Oct.1952. 20 D742

44699 FARNECK, J. Die Kropftauben. Osterr. Kleintierzüchter 8:27. (Cont.) Feb.1953. 49 Os7

44700 FELS, O. Die rassen im spiegel. Deut. Kleintier-Züchter. Ausg. Geflügel 8(2):4-6. Jan.20,1953. 47.8 D484
Minorca.

44701 FERDINANDOV, V. V. Investigation of methods of vegetative hybridization of animals. (In Russian.) Uspekhi Sovrem. Biol. 34:307-313. Ref. Sept./Oct.1952. 442.8 Er3
Experiments with poultry.

44702 GLAZENER, E. W., and BLOW, W. L. Will the future broiler be a white chicken? Farmers Fed. News 33(6):8,10. Feb.1953. 280.28 F225

44703 HAGEDOORN, A. L., and SYKES, G. Poultry breeding; theory and practice. London,Lockwood,1953. 240 p. Ref. (Crosby Lockwood's Agricultural and Horticultural Series) 47 H1232

44704 HEINZE, G. Die Orpingtons als wirtschaftshühner. Geflügel-Börse. Westdeut. Ausg. 73(14):1. July 25,1952. 47.8 G278

44705 HURRY, H. F., and NORDSKOG, A. W. A genetic analysis of chick feathering and its influence on growth rate. Poultry Sci. 32:18-25. Ref. Jan.1953. 47.8 Am33P

44706 JAAP, R. G. What kind of breeding makes the best broiler chicks? Everybodys Poultry Mag. 58(3):10, 48-50. Mar.1953. 47.8 F213P

44707 JEFFREY, F. P. Selection—thoughts on dollars and sense. Turkey World 28(3):15,72. Mar.1953. 47.38 T84
About poultry breeding programs.

44708 JEROME, F. N. Color inheritance in geese and its application to goose breeding. Poultry Sci. 32: 159-165. Jan.1953. 47.8 Am33P

44709 KIMBALL, E. Genetics of secondary plumage patterns in the fowl. Poultry Sci. 32:13-17. Ref. Jan. 1953. 47.8 Am33P

44710 FARNECK, J. Die Kropftauben. Osterr. Kleintierzüchter 8:11-12. (Cont.) Jan.1953. 49 Os7

44711 KUSHNER, KH. F., and KOREPANOVA, G. IA. Effect of intensive feeding of roosters on quality of progeny. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:175-181. Ref. 1952. 442.9 P44

44712 KUSHNER, KH. F., and KITAEVA, O. N. Experiment in overcoming the negative results of inbreeding and effectiveness of adding fresh blood in poultry breeding. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:164-174. Ref. 1952. 442.9 P44

44713 KUSHNER, KH. F., GANTSHEL', M. A., and LEONOV, D. G. Interspecific crossing of hens [Leghorn x New Hampshire] on Kommunarka State Farm. (In Russian.) Sotsialist. Zhivotnovod. 14(12):57-63. 1952. 49 So71

44714 LEVERLAND, M. Domestication and forgotten poultry breeds. (In Dutch.) Plattelands-Post 9(9):15. Mar.5,1953. 12 P69

44715 LILLIE, R. J., KNOX, C. W., and BIRD, H. R. Inherited variation of response of feather pigment to vitamin D deficiency. Poultry Sci. 32:65-69. Jan.1953. 47.8 Am33P

44716 MACKLIN, H. P. Pigeon portraits: the clean legged Magpie Cropper. Amer. Pigeon J. 42:72. Mar. 1953. 47.8 Am35

44717 MILNE, F. N. J. Cross breeding of poultry. Victorian Poultry J. 39(5):17. Dec.1,1952. 47.8 V662

44718 MILSTEAD, E. Further explanation of static breeding. Amer. Pigeon J. 42:70-71. Mar.1953. 47.8 Am35

44719 MOORE, A. C. Flock-matings call for careful selection. Poultry 112:37. Jan.20,1953. 47.8 P869

44720 MUELLER, C. D. What every good hatcheryman should know about breeding. Kans. Poultry News 9: 7. Jan.1953. 47.8 K13

44721 OLDENBURG, C. F. The white fryer and the experts. Co-op Chick News 25:3,7. Jan./Mar.1953. 47.8 C783

44722 OSBORNE, R. The inheritance of egg weight in the domestic fowl: further evidence of sex-linkage. Poultry Sci. 32:60-65. Jan.1953. 47.8 Am33P

44723 PENIONZHKEVICH, E. E. Methods of breeding work in the improvement of native poultry. (In Russian.) Ptitsevodstvo 11:5-9. Nov.1952. 47.8 P95

44724 ROF CODINA, J. Huevos de colores que se cotizan de 12 a 50 dólares uno. Agr. Venezol. 17(157): 34-35. Nov.1952. 9.95 Ag8
Production of colored eggs for Easter through breeding the Araucana fowl.

44725 ROSE, MRS. R. Artificial insemination of geese. Mag. Ducks & Geese 1,i.e.4:14. Winter 1953. 47.8 M27

44726 SCHAEFER, F. Die Römertaube. Thür. Kleintierzüchter 7:3-4. Jan.10,1953. 49 T42

44727 STOTTS, C. E., and DARROW, M. I. Yields of edible meat from Cornish crossbreds, non-Cornish crossbreds, and purebred broilers. Poultry Sci. 32:145-150. Jan.1953. 47.8 Am33P

44728 TURNILL, L. C. What can be done about odd coloured crosses? Mod. Poultry Keeping 68:205. Feb. 25,1953. 47.8 Eg3

44729 TUTVEDT, P. Crossbreeding poultry. Mont. State Col. Farmer 6(2):10,16. Feb.1953. 276.8 M76

44730 ZHELNIN, V. A. In regard to the phenomenon of metaxenia in hens. (In Russian.) Ptitsevodstvo 11:9-10. Nov.1952. 47.8 P95

Feeds and Feeding

44731 ALMQUIST, H. J. Evaluation of vitamin requirement data. Poultry Sci. 32:122-128. Ref. Jan.1953. 47.8 Am33P

44732 ANDERSON, G. W., CUNNINGHAM, J. D., and SLINGER, S. J. Effect of aureomycin on the intestinal flora of chickens fed diets varying in protein content. Canad. J. Compar. Med. 17:83-91. Ref. Feb.1953. 41.8 C162

44733 BALLOUN, S. L., and JOHNSON, E. L. Anticoagulant properties of unheated soybean meal in chick diets. Arch. Biochem. & Biophys. 42:355-359. Feb.1953. 381 Ar2

44734 BERGAMIN, A. Cow manure in feeding growing chicks. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:687-691. 1951. 102.5 P66A
English summary.

44735 BETHKE, R. M. Developments in nutrition research. Fla. Poultry & Farm J. 19(2):9,14. Feb.1953. 47.8 F66

44736 BIELY, J., and MARCH, B. Nutrients in the poultry ration. Feedstuffs 25(13):20-25,28-31. Mar.28, 1953. 286.81 F322

44737 BIRD, F. H. The lysine requirement of eight-week old chickens. Poultry Sci. 32:10-13. Jan.1953. 47.8 Am33P

44738 BRANION, H. D., and HILL, D. C. Antibiotics and the growth of goslings. Mag. Ducks & Geese 1,i.e.4: 18-19. Winter 1953. 47.8 M27

44739 BRANION, H. D., and HILL, D. C. Fish meal and the response of chicks to antibiotics. Poultry Sci. 32:151-158. Ref. Jan.1953. 47.8 Am33P

44740 CARLSON, C. W., and others. The effect of penicillin and streptomycin in diets for breeding hens. Poultry Sci. 32:176-178. Jan.1953. 47.8 Am33P
R. A. Wilcox, W. Kohlmeyer, and D. G. Jones, joint authors.

44741 CARTANYA ALEU, P. La fabricación de piensos en avicultura. Reus Avíc. 1:165-166. (Cont.) Dec.1, 1952. 47.8 R31

44742 CARTANYA ALEU, P. Por favor, un poco de seriedad. Reus Avíc. 1:174. Dec.1,1952. 47.8 R31
Chick losses through feeding.

44743 CATE, D., and JEFFRIES, G. Changing times. San Joaquin Val. Poultryman 23(9):5-6. Feb.1953. 47.8 Sa53
Feed.

44744 CORDIEZ, E. La vitamine B_{12} dans l'alimentation des volailles. Sillon Belge 23(545):1-2. Jan.31, 1953. 13 Si3

44745 COUCH, J. R. Dehydrated alfalfa meal vital in poultry feeds. Feed Age 3(3):37-38,56. Mar.1953. 389.78 F327

44746 DEAMBROSIS, J. R. La alimentación avícola. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(447):5. Dec.24,1952. 9.9 G15B

44747 DEMBINSKY, J., and GROSS, M. Weitere versuche zur schnellmast von geflügel. Österr. Kleintierzüchter 8:3. Jan.1953. 49 Os7

44748 EGGERSH. Fütterung des geflügels mit modernen wirkstoffen. R. der Landfrau 4:27-28. Jan.22, 1953. 18 L2347
Vitamins and antibiotics.

44749 ĖL'BERT, G. K. Utilization of potatoes in rations for hens. (In Russian.) Ptitsevodstvo 11:11-15. Nov.1952. 47.8 P95

44750 FANGAUF, K. W. Welche faktoren beeinflussen den vitaminbedarf des geflügels? Futter u. Fütterung 26:196-198. (Cont.) Jan.1953. 389.78 F98

44751 FANGAUF, K. W. Zwanzig fragen im zusammenhang mit der fütterung von antibiotika. Deut. Wirtgeflügelzucht. 5:250-251. Feb.7,1953. 47.8 D483

44752 FOSTER, J. C. Pigeon racing. Amer. Racing Pigeon News 69(3):1-2. (Cont.) Mar.1953. 47.8 H75
This installment is on feeding.

44753 GIVEN, W. T. Vitamins. Gamecock 15(11):17-20. Mar.1953. 47.8 G142

44754 GOFF, S., RUSSELL, W. C., and TAYLOR, M. W. Hematology of the chick in vitamin deficiencies. I. Riboflavin. Poultry Sci. 32:54-60. Ref. Jan.1953. 47.8 Am33P

44755 HEUSER, G. F., and SCOTT, M. L. Studies in duck nutrition. 5. Bowed legs in ducks, a nutritional disorder. Poultry Sci. 32:137-143. Jan.1953. 47.8 Am33P

44756 HILL, F. W. Do antibiotics increase eggs? Hatchery & Feed 27(3):28,30. Mar.1953. 47.8 H28

44757 HILL, F. W., and others. Recommendations for formulating poultry rations. N. Y. Agr. Col. Ext. Cornell Feed Serv. 38:1-5. Feb.1953. 275.29 N48Cf
L. C. Norris, G. F. Heuser, and M. L. Scott, joint authors.

44758 HOGSETT, H. Feeding for eggs or meat vs. "just feeding." Nulaid News 30(10):18-19. Mar.1953. 47.8 N917
From Chicken Chatter.

44759 HORTON, D. H. High efficiency rations. Poultry Indus. [Boston] 59(3):2. Mar.1953. 47.8 N44

44760 KENNEDY, G. H., and others. The assay of vitamin D using a strain of chickens selected for their uniformity of response. Poultry Sci. 32:29-38. Ref. Jan. 1953. 47.8 Am33P
J. P. Marvel, J. Waddell, H. W. Titus, and A. L. Mehring, joint authors.

44761 KLOSE, A. A., and others. Quality and stability of turkeys as a function of dietary fat. Poultry Sci. 32: 82-88. Jan.1953. 47.8 Am33P
H. L. Hanson, E. P. Mecchi, J. H. Anderson, I. V. Streeter, and H. Lineweaver, joint authors.

44762 KOREPANOVA, G. FA. Experiment in contrasting feeding of hens in the course of two generations. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:182-198. Ref. 1952. 442.9 P44

44763 KRATZER, F. H. Efficiency of feed utilization in turkeys. Feedstuffs 25(12):60-61. Mar.21,1953. 286.81 F322

44764 KRATZER, F. H. Efficiency of feed utilization in turkeys. Nulaid News 30(10):10-11. Mar.1953. 47.8 N917

44765 LEE, C. E. Las últimas novedades en nutrición avícola. Agr. Austral 20:378-380. Nov./Dec.1952. 9.3 Ag842

44766 LINDSTROM, R. G. What's new in the field of nutrition. Albers Egg Maker 31:9,20-22. Spring 1953. 47.8 AL1
Chicks.

44767 MARGGRAFF, I. Wachstumsversuche mit dem animal protein factor an küken. Tierärztl. Umschau 8: 54-56. Feb.1953. 41.8 T445

44768 MARIAKULANDAI, A., and MCGINNIS, J. The vitamin B_{12} requirement for hatchability of chicken eggs. Poultry Sci. 32:3-7. Jan.1953. 47.8 Am33P

44769 MARTY, J. La production du foie gras dans les Landes. Chambre d'Agr. de Casablanca. B. 24(261): 37-39. Jan.1953. 24 C26
Feeding geese and processing livers.

44770 MILLER, M. W., and JOUKOVSKY, V. V. Availability of phosphorus from various phosphate materials for chicks. Poultry Sci. 32:78-81. Jan.1953. 47.8 Am33P

44771 MOORE, M. Today and tomorrow. Albers Egg Maker 31:3-4. Spring 1953. 47.8 AL1
Chick feeding.

44772 MOROZOV, M. G. Comparative data on fattening ducks of various breeds. (In Russian.) Ptitsevodstvo 11:15-16. Nov.1952. 47.8 P95

44773 MUÑOZ GARCÉS, C. Avicultura práctica elemental. II. Alimentación. Avicult. Téc. 5:209-211. Dec. 1952. 47.8 Av57

44774 NORRIS, L. C. Antibiotics, arsenicals and surfactants in poultry rations. Coop. Poultryman 18(3):4-6,20-21. Mar.1953. 47.8 C782

44775 PEROTTI, R. M. Clasificación de alimentos para aves. Chacra 23(267):48-49. Feb.1953. 9 C34
Nutritive value.

44776 RINGROSE, R. C. High efficiency feeds increase poultry profits. Co-op. Farmer [Fitchburg] 9(2): 6,15. Feb.1953. 280.28 C7868
Egg and meat production.

44777 ROSENBERG, M. M. Low-grade sugar, a potential carbohydrate feedstuff for laying chickens. Poultry Sci. 32:69-77. Ref. Jan.1953. 47.8 Am33P

44778 SCOTT, H. M. The significance of alfalfa meal as a source of unidentified factors required for chick growth. Feedstuffs 25(13):54. Mar.28,1953. 286.81 F322

44779 SLINGER, S. J. Formulating poultry feeds. Family Herald & Wk. Star 84:3,23. Jan.22,1953. 7 F21

44780 SMITH, R. M. Broiler feeding trials. Ark. Agr. Expt. Sta. B. 529,35 p. Ref. Jan.1953. 100 Ar42

44781 SOMMERFELD. Hühnerfütterung. Deut. Kleintier-Züchter 8(2):1-2. Jan.20,1953. 49 D483

44782 TAUB, J. All-mash is all right! East. Feed Merchant 4(4):45-46. Apr.1953. 389.78 Ea7
Poultry feeding.

44783 TEMPERTON, H. Economics of egg production; controlling the feed. Farmers' J. (n.s.)4(5):8. (Cont.) Mar.1953. 10 F2234

44784 TITUS, H. W., and others. The response of New Hampshire chicks to a fixed allowance of vitamin D. Poultry Sci. 32:39-53. Ref. Jan.1953. 47.8 Am33P
A. L. Mehring, J. P. Marvel, G. H. Kennedy, and J. Waddell, joint authors.

44785 TORRES, A. P., and BERGAMIN, A. The cereal adlay, a study of its agricultural value and nutritional value for poultry. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:669-685. Ref. 1951. 102.5 P66A
English summary.

44786 TORRES, A. P., and SANTOS, J. M. Experiments in fattening chickens. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:705-711. 1951. 102.5 P66A
English summary.

44787 TRIVELIN, A. P. Soil in chick nutrition. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:693-704. 1951. 102.5 P66A
English summary.

44788 WEST, J. W., and HILL, J. E. Aureomycin cuts protein required in broiler rations. Miss. Farm Res. [Miss. Sta.] 16(3):1,8. Mar.1953. 100 M69Mi

44789 WHITE-STEVENS, R. Antibiotics. (Abs.) Poultry Indus. [Boston] 59(3):14. Mar.1953. 47.8 N44

Veterinary Medicine

44790 ABREU, E. F. DE. Newcastle disease. (In Portuguese.) Gaz. do Agr. 4:282-283. Nov.1952. 24 G25

44791 ADAMS, H. The leukosis-complex. (In Dutch.) Pluimveeteelt 6(3):1,3. Jan.30,1953. 47.8 P722
Poultry.

44792 AKPINAR, A. C., and SHAFFNER, C. S. Reproductive ability of chickens implanted at nine weeks of age with estrogen pellets. Poultry Sci. 32:119-122. Jan. 1953. 47.8 Am33P

44793 AKUN, R., and SCHULTE, F. Die gewebsalkaliphosphatase in gehirn und milz bei der Newcastle-disease des huhnes. Deut. Tierärztl. Wchnschr. 60:77-79. Ref. Feb.1,1953. 41.8 D482

44794 ALEXANDER, G. V., and SCHJEIDE, O. A. Studies of the New Hampshire chicken embryo. I. The red blood cell. (Abs.) Anat. Rec. 115:383-384. Feb.1953. 447.8 An1

44795 AMICH GALI, J. Algo nuevo sobre la leucosis? Avicult. Téc. 5:214-215. Dec.1952. 47.8 Av57

44796 ARTEMICHEV, M. A. Fowl pox. (In Russian.) Ptitsevodstvo 11:25-28. Nov.1952. 47.8 P95

44797 BARRETT, J., and BERRIDGE, N. J. The bacteriostatic effects of extracts of chicken duodenum on certain micro-organisms. I. Crude extracts. J. Sci. Food & Agr. 4:81-85. Feb.1953. 382 So12

44798 BENITEZ VELEZ, J. La endocrinologia y el caponaje. Campo [Tacuba] (ser.2)20(731):50-51,54. Jan.31,1953. 8 C157

44799 BLERSCH, O. Zur bakteriologie pathologisch veränderter legeapparate von hühnern. Giessen,1952. 51 p. Ref. 41.2 B614
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

44800 BOLTON, W. Observations on the vitamin metabolism of the common fowl. III-IV. J. Agr. Sci. 43:116-122. Ref. Jan.1953. 10 J822
III, The effects of oestradiol dipropionate, testosterone propionate and progesterone injections in immature pullets on the riboflavin content of the magnum; IV, Free and combined riboflavin in the magnum and liver of the laying hen fed a diet high in riboflavin.

44801 BUCKNER, G. D., and others. Influence of vitamin D on bone formation in keels of chickens and rate of change of marrow to intraosseous air spaces. Cong. Internatl. de Biochim. Résumés des Commun. 2: 334-335. 1952. 386.2 In84
W. M. Insko, E. F. Wachs, and A. H. Henry, joint authors.

44802 BUIL PALACIO, D. J. Pollitos que no nacen. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 55:13-14. Dec.1952. 15 Sa7

44803 COATES, M. E., and others. The effect of antibiotics on the growth of chicks. Cong. Internatl. de Biochim. Résumés des Commun. 2:101-102. 1952. 386.2 In84
G. F. Harrison, S. K. Kon, and J. W. G. Porter, joint authors.

44804 COVER, M. S. The gross and microscopic anatomy of the respiratory system of the turkey. I. Amer. J. Vet. Res. 14:113-117. Jan.1953. 41.8 Am3A

44805 COX, B. F. Common poultry diseases. N. C. Agr. Col. Ext. C. 344,rev.,23 p. Feb.1953. 275.29 N811

44806 CRAWLEY, J. F. Spraying Newcastle and bronchitis vaccine. (Abs.) Poultry Indus. [Boston] 59(3): 6. Mar.1953. 47.8 N44

44807 CRETSCHMAR, M. Versuche zur hormonalen geschlechtsumstimmung bei hühnern. Deut. Kleintier-Züchter 8(1):7-8. (Cont.) Jan.5,1953. 49 D483

44808 CRETSCHMAR, M. Versuche zur hormonalen geschlechtsumstimmung bei hühnern. Deut. Kleintier-Züchter. Ausg. Geflügel 8(3):9-12. (Concl.) Feb.5,1953. 47.8 D484

44809 DARROW, M. I., and STOTTS, C. E. Debeaking prevents bareback broilers. Broiler Growing 4(3):11, 61-63. Mar.1953. 47.8 B782

44810 DAVIES, S. F. M., and KENDALL, S. B. Toxicity of sulphaquinoxaline (2-sulphanilamidoquinoxaline) for chickens. Vet. Rec. 65:85-88. Feb.7,1953. 41.8 V641

44811 DICKINSON, E. M., and BABCOCK, W. E. Controlling "worms" in poultry. Oreg. Agr. Expt. Sta. C. Inform. 522,8 p. Feb.1953. 100 Or3C

44812 DORSSEN, C. A. VAN. Rhamnose negative Salmonella typhimurium in pigeons. (In Dutch.) Tijdschr. v. Diergeneesk. 78:161-163. Ref. Feb.15,1953. 41.8 T431
English summary.

44813 DOTSENKO, T. K. Interpretation of the biological cycle of the nematode, Cheilospirura hamulosa, parasite of hens. (In Russian.) Akad. Nauk SSSR. Dok. 88:583-584. Jan.21,1953. 511 P444A

44814 DOUGLASS, C. D., and others. The influence of X-irradiation and atabrine upon feathering in the chick. Science 117:274. Mar.13,1953. 470 Sci2
P. L. Day, B. Kelley, and I. Meschan, joint authors.

44815 DUTTLINGER, E. Bäuerliche geflügelhaltung; die halsmauser der hühner. Grüne 81:178-180. Feb.13, 1953. 17 Sch9

44816 ECHARDI LOIDI, J. M. El caponaje bioquímico. Res 21:27812. Feb.20,1953. 286.85 R31
Poultry.

44817 EDGAR, S. A. Coccidiosis vaccination. (Abs.) Poultry Indus. [Boston] 59(3):6,14. Mar.1953. 47.8 N44

44818 EGGERT, M. J., and BARNHART, J. V. A case of egg-borne aspergillosis. Amer. Vet. Med. Assoc. J. 122:225. Mar.1953. 41.8 Am3

44819 EMMEL, M. W. Coccidiosis in chickens. Fla. Poultry & Farm J. 19(2):3,21-22. Feb.1953. 47.8 F66

44820 FADDOUL, G. Disorders of early brooding period. Poultry Indus. [Boston] 59(3):12. Mar.1953. 47.8 N44

44821 FERRER, P., and PEREZ, J. Ahora hablemos de coccidiosis. Avicult. Téc. 5:189-193. Dec.1952. 47.8 Av57

44822 FRAPS, R. M., and CASE, J. F. Premature ovulation in the domestic fowl following administration of certain barbiturates. Soc. Expt. Biol. & Med. Proc. 82: 167-171. Ref. Jan.1953. 442.9 So1

44823 GERRIETS, E. Die Forschungsabteilung für Geflügelkrankheiten der Humboldt-Universität zu Berlin in Damsdorf, Kr. Zauch-Belzig. Monatsh. f. Vetmed. 8:51-53. Feb.1,1953. 41.8 M742

44824 GILDOW, E. M. Controlling diseases of baby chicks. Albers Egg Maker 31:5,13-14,16,18. Spring 1953 47.8 AL1

44825 GORDON, R. F. Nothing so common as [leukosis]. Farmers Wk. [London] 38(10):86-87. Mar.6,1953. 10 F2226

44826 GRIGNASCHI, V. J. Observaciones sobre la biologia del Plasmodium gallinaceum Brumpt 1935. Riv. di Parassitol. 13:261-264. Oct.1952. 436.8 R52
English summary.

44827 HARPER, J. A., and BABCOCK, W. E. The effect of penicillin on early mortality and growth in poults. Poultry Sci. 32:179-180. Jan.1953. 47.8 Am33P

44828 HARPER, T. A., BOUCHER, R. V., and CALLENBACH, E. W. The influence of vitamin A liver storage and strain differences on survival in adult bobwhite quail. Poultry Sci. 32:166-175. Ref. Jan.1953. 47.8 Am33P

44829 HENDERSON, E. W. Is the size of broilers affected by the size of eggs from which they are hatched? Mich. Agr. Expt. Sta. Q. B. 35:405-409. Feb.1953. 100 M58S

44830 HENNEPE, B. J. C. TE. Die geflügelkokzidiose Deut. Wirtgeflügelzucht. 5:265-266. Feb.14,1953. 47.8 D483

44831 HINSHAW, W R. Poultry practice problems: aspergillosis. Vet. Med. 48:122. Mar.1953. 41.8 M69

44832 HOELSCHER, H. Lähmefrei oder lähmefest? Deut. Wirtgeflügelzucht. 5:246-247. Feb.7,1953. 47.8 D483
Anmerkung zu dem artikel des Herrn Hoelscher, by K. Fritzsche, p. 247.

44833 HOFFMANN, E., SHAFFNER, C. S., and COMSTOCK, R. E. Strain comparisons of gland weights of twelve-week-old broilers. Poultry Sci. 32:106-110. Jan. 1953. 47.8 Am33P

44834 HUSTON, T. M., and NALBANDOV, A. V. Neurohumoral control of the pituitary in the fowl. Endocrinology 52:149-156. Feb.1953. 448.8 En2

44835 JULIAN, L. M., and COLE, L. J. Studies on the developing chicken embryo with the use of radioactive phosphorus. I-II. Amer. J. Vet. Res. 14:129-140. Ref. Jan.1953. 41.8 Am3A
I, by L. M. Julian; II, by L. M. Julian and L. J. Cole.

44836 JUNCA, L. F. El rio Magdalena "colchón de plumas" por la Newcastle. Rev. Agr. y Ganad. 13(152): 14. Sept.1952. 9.4 R327

44837 KENZY, S. G., and NEUZIL, P. V. Studies in avian neoplasia. II. Incidence of Rous virus-neutralizing antibodies in serums collected from flocks experiencing losses due to lymphomatosis. Amer. J. Vet. Res. 14:123-128. Ref. Jan.1953. 41.8 Am3A

44838 KLEIN, G. T. Have we whipped coccidiosis? We're controlling it with new drugs, but we're building up fresh problems with deep litter. Farm J. 77(3):89-90. Mar.1953. 6 F2212

44839 KORNFELD, W., and NALBANDOV, A. V. The effect of androgen and estrogen on the development of the right, rudimentary gonad of female chickens. (Abs.) Anat. Rec. 115:337. Feb.1953. 447.8 An1

44840 KRAHNERT, R. Magenwürmer beim huhn. Monatsh. f. Vetmed. 8:33. Jan.15,1953. 41.8 M742

44841 KUTLESA, I. A contribution to the diagnostics of the Newcastle disease. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:762-776. Ref. 1952. 41.8 V6494
English summary.

44842 LIENHART, R. Le rôle des cailloux contenus dans le gésier des oiseaux granivores et principalement des gallinacés. Acclimatation 80:37-38. Feb.14,1953. 14 Ac2

44843 LILLIE, F. R. Development of the chick; an introduction to embryology. Ed. 3, rev. by H. L. Hamilton. New York,Holt,1952. 624 p. Ref. 442 L62

44844 LIVET, L. Les moyens prophylactiques nouveaux de l'aviculture. Paysan Franç. 28(421):8. Jan.1953. 14 P29
Drugs.

44845 LUZZIO, A. J., BUSHNELL, L. D., and ERWIN, L. E. The antigenic variation of Salmonella pullorum. Poultry Sci. 32:7-10. Jan.1953. 47.8 Am33P

44846 MOORE, E. N. Turkey disease control. (Abs.) Poultry Indus. [Boston] 59(3):14. Mar.1953. 47.8 N44

44847 NALBANDOV, A. V. Endocrine control of physiological functions. Poultry Sci. 32:88-103. Ref. Jan.1953. 47.8 Am33P

44848 NICKEL, E. A. Der haarwurmbefall der hühner und seine bekämpfung. Deut. Tierärztl. Wchnschr. 60:71-77. Ref. Feb.1,1953. 41.8 D482

44849 NOLD, R. Studie über die feder. Geflügel-Börse. Westdeut. Ausg. 73(13):2-3. July 11,1952. 47.8 G278

44850 NORDIO, C. B. Variations in erythrocyte resistance and oxygen consumption in anemia from onions. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1703-1704. Aug./Oct.1952. 442.8 So12
Tests with poultry.

44851 NORDIO, G. B., and CURTO, G. M. Variation in the histological prehypophysial picture and in oxygen consumption following removal of comb and wattles in Gallus gallus. (In Italian.) Soc. Ital. di Biol. Sper. B. 28: 1679-1680. Aug./Oct.1952. 442.8 So12

44852 OTA, H., GARVER, H. L., and ASHBY, W. Heat and moisture production of laying hens. Agr. Engin. 34:163-167. Ref. Mar.1953. 58.8 Ag83

44853 POMEROY, B. S. Salmonella infections in turkey poults. Minn. Gobbles 7(9):11,18. Feb.1953. 47.38 M66

44854 REMLINGER, P., and BAILLY, J. La rage expérimentale du canard. Acad. Natl. de Méd. B. (ser.3) 136:564-567. Nov.25/Dec.2.1952. 448.9 P21

44855 RICHTER, J., DORSSEN, C. A. VAN, and DONKER-VOET, J. Phtisis bulbi from Mycobacterium avium infection of a Carrier pigeon. (In Dutch.) Tijdschr. v. Diergeneesk. 78:154-160. Ref. Feb.15,1953. 41.8 T431
English summary.

44856 ROY, J. B. Caractéristiques de l'élevage du dindon en 1952; enquête sur la mortalité. Avicult. Québecois 8:23-24. Jan./Feb.1953. 47.8 Av55

44857 SACCO, P. Poultry raising. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statis. 5(11):7-11 Nov.1952. 280.9 M587B
Chiefly on diseases.

44858 SANGER, V. L., and others. A disease of turkeys characterized by deformity of the tongue. Amer. Vet. Med. Assoc. J. 122:207-210. Mar.1953. 41.8 Am3
D. M. Chamberlain, C. R. Cole, F. L. Docton, and R. L. Farrell, joint authors.

44859 SCHIEL, O. Zur geflügelcholera. Deut. Wirtgeflügelzucht. 5:229-230. Jan.31,1953. 47.8 D483

44860 SINGSEN, E. P. Encephalomalacia (crazy chick disease). (Abs.) Poultry Indus. [Boston] 59(3):6. Mar. 1953. 47.8 N44

44861 SKY, T. A study of the diseases of poultry especially apoplectiform septicemia. Pa. Acad. Sci. Proc. 24:186-189. 1952. 500 P383

44862 SMITH, W. M. Findings on leucosis. Ind. Poultry Blue Book 1953:88,90-91,94. 47.9 In2

44863 SONDERGAARD, E., PRANGE, I., and DAM, H. Muscular degeneration (white striation of muscles) in chicks reared on vitamin E deficient, low fat diets. Cong. Internatl. de Biochim. Résumés des Commun. 2: 330. 1952. 386.2 In84

44864 STERN, J. R., and MCGINNIS, J. Comparative growth response of chicks to detergents, germicides and penicillin. Poultry Sci. 32:26-28. Jan.1953. 47.8 Am33P

44865 TAYLOR, L. W., and others. Effect of a respiratory disease on reproduction. Poultry Sci. 32:129-137. Ref. Jan.1953. 47.8 Am33P
C. A. Gunns, C. R. Grau, and S. Lepkovsky, joint authors.

44866 TORRES, A. P., and GRANER, E. A. Study of the correlation between laying and size of the pelvis in Rhode Island Red. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:713-725. 1951. 102.5 P66A
English summary.

44867 TRENCHI, H. La industria avícola y las enfermedades de las aves. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(447):7,10. Dec.24,1952. 9.9 G15B

44868 URICCHIO, W. A. Destruction of coccidial oocysts of chickens by means of chemicals. Expt. Parasitol. 2:16-18. Jan.1953. 436.8 Ex7

44869 UTRECHT. GEZONDHEIDSDIENST VOOR POSTDUIVEN. Annual report of the Veterinary Service for Carrier pigeons for the year 1952. (In Dutch.) Tijdschr. v. Diergeneesk. 78:223-225. Mar.1,1953. 41.8 T431

44870 VEITSMAN, L. N. Peculiarities of sex dimorphism in guinea fowl. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:271-278. Ref. 1952. 442.9 P44

44871 WALLER, E. F. Chronic respiratory disease. (Abs.) Poultry Indus. [Boston] 59(3):6. Mar.1953. 47.8 N44

44872 WEBSTER, H. D., and THORP, F. A study of the pathology of embryonating chicken eggs inoculated with Vibrio fetus. (Condensed.) Amer. J. Vet. Res. 14: 118-122. Ref. Jan.1953. 41.8 Am3A

44873 WHITE, F. H., HANSON, L. E., and ALBERTS, J. O. Studies on Newcastle disease. X. Vaccination studies with Newcastle disease vaccine (intranasal type) in parentally immune and susceptible chicks. Poultry Sci. 32:103-106. Jan.1953. 47.8 Am33P

44874 WINTERFIELD, R. W. Pigeons as a source of the turkey sinusitis agent. Vet. Med. 48:124-125. Mar. 1953. 41.8 M69

44875 WORDEN, A. N. Functional anatomy of birds. 24. The eyes and vision. Cage Birds 103:162. Feb.5, 1953. 413.8 C11C

44876 WORDEN, A. N. Functional anatomy of birds. 25. Further notes on the eyes and vision. Cage Birds 103:228. Feb.19,1953. 413.8 C11C

44877 ZANGERLE, O. Uber veränderungen im rückenmark bei pestkranken hühnern. Berlin. u. Münch. Tierärztl. Wchnschr. 66:39-40. Feb.1,1953. 41.8 B45

44878 ZELJKO, M., and ZARNIC, I. Salt vaccine against Newcastle disease prepared from Mukteswar strain. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1: 788-790. 1952. 41.8 V6494
English summary.

Miscellaneous

44879 ANDERSON, C. F., MCARDLE, A. A., and JONES, M. D. Trials at Parafield Poultry Station, 1951-52. So. Austral. Dept. Agr. J. 56:275-277. Jan.1953. 23 So84
Feeding, egg production under free range and intensive housing systems, and hormone caponising.

44880 APARICIO LOPEZ, D. Convocatoria de la VII Asamblea Nacional de Avicultores y Exposición de Avicultura. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:132-133. June 1952. 15 C14
Spain.

44881 BERGIERS, M. Lumière et aviculture. Paris, Didot,1952. 64 p. Ref. 335 B454
Thèse - Ecole Nationale Vétérinaire, Alfort.

44882 BLAKELY, R. M. Comprehensive program for artificial brooding of turkey poults. Canad. Poultry Rev. 77(3):53-55. (Cont.) Mar.1953. 47.8 C16

44883 BLAKELY, R. M. This year's crop of turkeys. Canada Poultryman 40(2):16,26-30. Feb.1953. 47.8 C166
Early brooding of poults.

44884 BLANCO ESTEVEZ, F. Reglamentación sanitario-comercial de la avicultura. Reus Avíc. 1:181-184. (Cont.) Dec.1,1952. 47.8 R31

44885 CANFIELD, T. H. The chicktester is here to stay. Hatchery & Feed 27(3):20,22-23. Mar.1953. 47.8 H28

44886 CANFIELD, T. H. Sex segregation—does it pay? Turkey World 28(3):11,73-74. Mar.1953. 47.38 T84
Turkeys.

44887 CASTELLO, F. A propósito de un "negocio" avícola frustrado. Avicult. Téc. 5:185-188. Dec.1952. 47.8 Av57

44888 CASTILLO, J. DEL. Organización avícola nacional. Reus Avíc. 1:167. (Concl.) Dec.1,1952. 47.8 R31

44889 CECIL, L. Warming up for chick rearing. Mod. Poultry Keeping 68:146-147. Feb.11,1953. 47.8 Eg3

44890 CHAPMAN, E. F. Rational chick brooding. Poultry Indus. [Milford] 18:124-125. Feb.26,1953. 47.8 P8644

44891 COLES, R., and PRESTON, A. R. Materials for deep litter. Gt. Brit. Min. Agr. Agriculture 69:524-527. Feb.1953. 10 G79J

44892 COLLIGNON. Die leistungsprüfungen in Stoke Manderville (England). Deut. Wirtgeflügelzucht. 5: 248-249. Feb.7,1953. 47.8 D483

44893 COOK, R. C. A practical application of the Poultry Improvement Plan. Amer. Poultryman 15(10):15, 17. Feb.1953. 47.8 So86

44894 COROMINAS CORTES, E. Sobre los concursos avícolas de puesta. Avicult. Téc. 5:173-175. Dec.1952. 47.8 Av57

44895 CREIGHTON, H. Does quality pay in the egg business? (Abs.) Poultry Indus. [Boston] 59(3):5. Mar. 1953. 47.8 N44

44896 DAVIES, W. C. Raising the [poultry] replacement stock. Herefordshire Agr. J. 12:255,257,259,261, 263,265,267. Spring 1952. 10 H42

44897 DENMARK. LANDSUDVALGET FOR FJERKRAEAVLEN. Beretning om Landsudvalget for Fjerkraeavlens konkurrence mellem hele hønsehold og konkurrence mellem kalkun-, gaase- og andehold 1951-52 [Report on the competition of entire poultry flocks and on the competition of turkey, geese and duck flocks of the Committee for Poultry Breeding] 1951-52. København, 1952. 29 p. 47.9 D41

44898 DORNIK, O. Fragen der geflügelhaltung—in Amerika beantwortet. Landwirtschaft 3/4:59-60. Feb. 1953. 19 L235

44899 FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Florida National Egg-Laying Test, Chipley, Florida, October 1, 1951, to September 15, 1952, by A. W. O'Steen, N. R. Mehrhof, and J. S. Moore. Gainesville,1952. 30 p. 275.29 F66Fi

44900 GALLEGO PIEDRAFITA, J. Posibilidades de la cría industrial del pollo de kilo (broiler) en España. Avicult. Téc. 5:205-208. Dec.1952. 47.8 Av57

44901 GARCIAGUIRRE HERNANDEZ, M. Incubación artificial. Campo [Tacuba] (ser.2)20(731):34-36,38,40-41. Jan.31,1953. 8 C157

44902 GOWE, R. S. A fast method for detecting fertility in unincubated eggs. Hatchery & Feed 27(3):37-38. Mar.1953. 47.8 H28

44903 HALE, M. Deep litter brooding works. Poultry World 92:281. Mar.12,1953. 47.8 P8682

44904 HENNEPE, B. J. C. TE. Wunderbare neuigkeiten in der geflügelwissenschaft. Deut. Wirtgeflügelzucht. 5:199-201. Jan.17,1953. 47.8 D483

44905 HITCHCOCK, H. B. How do they find their way home? Anim. Kingdom 56:9-14. Jan./Feb.1953. 410.9 N483B
Pigeons.

44906 ISARASENA, M. L. Y. Note on the improvement of poultry. (In Siamese.) Kasikorn 25:388-395. Sept.1952. 22.5 K15
English summary.
Care.

44907 IVANOV, A. I. Greater attention to production and zootechnical records of eggs at the hatcheries. (In Russian.) Ptitsevodstvo 11:21-22. Nov.1952. 47.8 P95

44908 JOHNSON, L. Management practices determine broiler profits. (Abs.) Poultry Indus. [Boston] 59(3):18. Mar.1953. 47.8 N44

44909 JULL, M. A. What's new in poultry husbandry. Better Farming Methods 25(3):56. Mar.1953. 58.8 B46

44910 KOLOBOV, G. High egg production of hens during the winter. (In Russian.) Kolkhoz. Proizvodstvo 12(12):42. Dec.1952. 281.8 K83

44911 KRAMER, G., and RIESE, E. Die dressur von Brieftauben auf kompassrichtung im wahlkäfig. Z. f. Tierpsychol. 9:245-251. Nov.1952. 410 Z35

44912 KRIELLAARS, F. W. J. Pluimveehouderij en gezinsbedrijf [Poultry farming and family farms]. n.p., 1952. 12 p. 47 K892

44913 KRONE, W. F. Poultry shows suffer from breeder laxity. Amer. Poultryman 15(10):5. Feb.1953. 47.8 So86

44914 LATTEUR, F. Pour une forte ponte d'hiver. Sillon Belge 23(544):1-2. (Cont.) Jan.24,1953. 13 S13
Poultry.

44915 LESLIE, V. Examen manual de las gallinas ponedoras. Chile Avic. 11:7060-7061. Dec.1952. 47.8 C43

44916 LINTIN, W. J. Rearing turkeys. Herefordshire Agr. J. 13:53,55,57,59,61. Winter 1952/53. 10 H42

44917 LITZKI, A. H. Kükenaufzucht, so und so. Deut. Wirtgeflügelzucht. 5:266-269. Feb.14,1953. 47.8 D483

44918 LOVERING, F. W. Florida turkeys top-notch. Fla. Grower 61(2):14,18. Feb.1953. 80 F6622

44919 MACDONALD, J. L. Promote interest in poultry raising among young people. Poultry Supply World 29(12):13,28. Dec.1952. 47.8 B11

44920 MCGINNIS, R. J. Turkeys. Farm Q. 8:50-51, 135-139. Spring 1953. 6 F22995
Production of Beltsville Whites on a Washington farm.

44921 MALINOVSKY, E. The junior 4-H poultryman. Ohio. Agr. Col. Ext. 4-H C. 157,rev.,16 p. Feb.1952. 275.29 Oh322

44922 MARBLE, D. R. Factors affecting egg production. N. Y. Agr. Col. Ext. Cornell Feed Serv. 38:5-7. Feb.1953. 275.29 N48Cf

44923 MARTHEDAL, H. E. Care of chicks during the first weeks. (In Danish.) Jydsk Landbr. 35:116-117. Feb.19,1953. 11 J99

44924 MARTJANA, M. Duck keeping in the area of Purwakarta and how to improve it. (In Indonesian.) Hemera Zoa 59:559-567. Nov./Dec.1952. 41.8 V51
English summary.

44925 MARZI, G. DE. Clearing of all skepticism is the duty of our aviculture. (In Italian.) Allevatore 9(3): 1-2. Jan.18,1953. 49 AL55

44926 MAZZINI, C. Rural poultry keeping. (In Italian.) Agr. Ferrarese 56:250-253. Nov.30,1952. 16 Ag87

44927 MEHNER, A. Aus der arbeit des holländischen geflügelzüchters. Deut. Wirtgeflügelzucht. 5:214-215. (Cont.) Jan.24,1953. 47.8 D483

44928 MEHNER, A. Aus der arbeit des holländischen geflügelzüchters. Deut. Wirtgeflügelzucht. 5:232. (Concl.) Jan.31,1953. 47.8 D483

44929 MESEROLL, W. S. There's nothing like a good range! N. J. Farm & Gard. 24(3):64-67. Mar.1953. 6 G162
Four-point range program for poultry.

44930 MITTAG, U. Erfolge bei drahtaufzucht. Deut. Wirtgeflügelzucht. 5:201-202. Jan.17,1953. 47.8 D483

44931 MORRIS, L. Check your turkey efficiency; efficient methods can expand the turkey industry. Norbest Turkey News 17(9):1,3,6-7. Mar.1953. 47.38 N75

44932 MORTENSON, W. P. Egg money thrown away—$111.76 of it. Amer. Poultry J. East. Ed. 84(3):11. Mar. 1953. 47.8 Am32
Egg quality.

44933 MULLER, W. Kückenaufzucht mit infrarotstrahlern. Geflügelhof 16:84-87. Feb.13,1953. 47.8 G276

44934 MULLINS, H. K. Importance of sanitation on the poultry farm. New Zeal. J. Agr. 86:11,13. Jan.15, 1953. 23 N48J

44935 NATIONAL FARMERS' UNION. The register of records in laying trials. Vol. 26, 1951-52 trials. London,1952. 36 p. 47.9 N218

44936 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Deep litter poultry keeping. North. Ireland. Min. Agr. L. 127,11 p. Jan.1953. 10 N81

44937 PACI, C. Turkeys. (In Italian.) Riv. di Zootec. 26:25-27. Jan.1953. 49 R52

44938 PAIEMENT, R. J. Des aviculteurs en panne comme le voit un propagandiste. Ferme 14(5):45-46. Jan.1953. 7 F38
Poultry care.

44939 PAIEMENT, R. J. Comment naître, vivre et mourir pour laisser des profits les races de poules. Ferme 14(6):20-37. Feb.1953. 7 F38
Photography.

44940 PARRISH, C. F., and others. Chick raising. N. C. Agr. Col. Ext. C. 251,rev.,15 p. Feb.1953. 275.29 N811
W. G. Andrews, T. B. Morris, and C. J. Maupin, joint authors.

44941 PAYNE, L. F. The poultry situation in Kansas is changing. Kans. Poultry News 9:1-2. Jan.1953. 47.8 K13

44942 PENIONZHKEVICH, E. E., ed. Ptitsevodstvo [Poultry raising]. Ed. 2, rev. and enl. Moskva,Gos. Izdvo Selkhoz Lit-ry,1952. 335 p. (Uchebniki i Uchebnye Posobiia Dlia Podgotovki Sel'skokhoziaĭstvennykh Kadrov Massovoĭ Kvalifikatsii) 47 P37

44943 PEYTON, J. L. The season's work. Mag. Ducks & Geese 1,i.e.4:15-16. Winter 1953. 47.8 M27
Advertising for duck breeders and hatcheries.

44944 PLATT, C. S. Maintaining high records in egg laying tests. Amer. Poultry J. East. Ed. 84(2):50-51,64. Feb.1953. 47.8 Am32

44945 PLATT, C. S. Maintaining winter egg production by the use of dim red light. Poultry Sci. 32:143-145. Jan.1953. 47.8 Am33P

44946 PLATT, F. L. James E. Rice Memorial Poultry Library takes form. Everybodys Poultry Mag. 58(3): 32-33. Mar.1953. 47.8 F213P

44947 PONSIGNON, M. Quand les poussins d'un jour voyagent. Vie à la Campagne 42:58-59. Feb.1953. 80 V67

44948 POULTRY WORLD. Easy reference encyclopaedia. 2. Poultry World 92(7,sup.),8 p. Feb.12,1953. 47.8 P8682

44949 POULTRY WORLD. Easy reference encyclopaedia. 3-4. Poultry World 92(8,sup.),8 p.; (9,sup.),16 p. Feb.19-26,1953. 47.8 P8682

44950 POULTRY WORLD. Easy reference encyclopedia. 5. Poultry World 92(10,sup.),8 p. Mar.5,1953. 47.8 P8682

44951 POULTRY WORLD. Easy reference encyclopædia. 6. Poultry World 92(11,sup.),8 p. Mar.12,1953. 47.8 P8682

44952 POWELL-OWEN, W. Progeny-test ducks for high egg production. Mag. Ducks & Geese 1,i.e.4:8. Winter 1953. 47.8 M27

44953 RAIMO, H. F. What is a broiler? (In Portuguese.) Rev. dos Criadores 23(12):14. Dec.1952. 43.8 R32

44954 RÈ, R. DA. Ducks that lay an egg a day. (In Italian.) Terra e Sole 125:21-22. Jan.1953. 16 T273

44955 REIMAN, R. Baby chick experts say "sex is our business." Iowa Agr. 51(6):10-11. Feb.1953. 6 Io9

44956 RICHTER, F. Das federfressen beim huhn und dessen bekämpfung auf züchterischem wege. Landbforsch. Völkenrode 2:77-79. Oct.1952. 18 L2353

44957 ROMIJN, C., and VISSCHEDIJK, A. H. J. Onderzoekingen over kunstmatig broeden [Investigations on artificial incubation]. 1-2. Utrecht. Ru. Lab. v. Vet. Physiol. Onderz. 6(14),47 p; (15),35 p. 1952. 444.9 Ut7
1, by C. Romijn; 2, by A. H. J. Visschedijk.

44958 SIMPSON, R. But it needn't be damp litter. Farmers Wk. [London] 38(11):82-83. Mar.13,1953. 10 F2226
Poultry litter.

44959 STATE POULTRY ASSOCIATION OF INDIANA. Indiana poultry blue book and buyer's guide. Lafayette, 1953. 104 p. 47.9 In2

44960 SZEPESY, I. Suggestions for improving hatchability of goose eggs. Mag. Ducks & Geese 1,i.e.4:7. Winter 1953. 47.8 M27

44961 TERMOHLEN, W. D. Past history and future developments. Amer. Poultryman 15:2,6-7,19. (Cont.) Feb.1953. 47.8 So86

44962 TERMOHLEN, W. D. Past history and future developments. Amer. Poultryman 16:2,17-19. (Cont.) Mar.1953. 47.8 So86

44963 THAXTON, J. E. More money from turkeys with better management. Amer. Poultry J. East. Ed. 84 (2):68,16. Feb.1953. 47.8 Am32

44964 TINDALL, C. Key to quality eggs is extra time and effort required to produce them. Mo. Rur. 94(5):6-7, 26-27. Mar.14,1953. 6 R8891

44965 TRET'IAKOV, N. P. New form of contact between science and [poultry] production. (In Russian.) Sovet. Zootekh. 7(11):89-91. Nov.1952. 49 So822
Assistance.

44966 U. S. BUR. OF ANIMAL INDUSTRY. Chickens in NPIP hatchery supply flocks and their distribution by States and varieties 1941-42, 1950-51 and 1951-52. U. S. Bur. Anim. Indus. A. H. D. 69,rev.,4 p. Sept.1952. 1.9 An52Ah

44967 U. S. BUR. OF ANIMAL INDUSTRY. State participation in the National Poultry Improvement Plan and the National Turkey Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 25,4 p. Oct.1,1952. 1.9 An52Ah

44968 U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries and dealers participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 36(sup.3),8 p. Mar.12,1953. 1.9 An52Ah

44969 USPENSKII, A., and FEDOROVA, G. Comparative evaluation of poultry slaughtering methods. (In Russian.) Mîasnaía Indus. SSSR. 24:51-52. Jan./Feb.1953. 50.8 M58

44970 VONDELL, J. H. Cull or keep? Co. Agent & Vo-Ag Teacher 9(2):18-19. Feb.1953. 275.28 N213

44971 WADSWORTH, J. H. Notes on baby chick husbandry. Poultry Indus. [Boston] 59(3):8. Mar.1953. 47.8 N44

44972 WESTERVELD, W. VON. Erfahrungen der letzten jahre. Deut. Wirtgeflügelzucht. 5:261-262. Feb. 14,1953. 47.8 D483

44973 WHITE-STEVENS, R. Science and the broiler industry. Amer. Poultryman 16:12-14. Mar.1953. 47.8 So86

44974 WHITLOCK, R. The land first. IX. The advance of poultry farming [Great Britain]. Field 201:361-362. Mar.5,1953. 10 F45

44975 WIJK, P. J. The raising of turkeys. (In Dutch.) Plattelands-Post 9(9):7. Mar.5,1953. 12 P69

44976 WILHELM, L. A. For the turkeyman in 1953. Amer. Poultry J. East. Ed. 84(2):70. Feb.1953. 47.8 Am32

44977 WILHELM, L. A. How should we brood turkeys? Amer. Poultry J. East. Ed. 84(3):71. Mar.1953. 47.8 Am32

44978 WINNER, E. B., and others. Poultry management (for 4-H poultry projects). Mo. Agr. Col. Ext. 4-H Club C. 108,47 p. Nov.1952. 275.29 M69B

S. H. Bodenhamer, T. Joule, and R. Ricketts, joint authors.

Also Leader's Guide, June 1952, for poultry project leaders to be used with 4-H Circular 108. (275.29 M69Le)

44979 WINTER, A. R., and COTTERILL, O. Superphosphate fertilizer helps keep ammonia from escaping built-up litter. Ohio Farm & Home Res. [Ohio Sta.] 38(280):13. Jan./Feb.1953. 100 Oh3S

44980 YAGI, Y. Study on the management of poultry husbandry. (In Japanese.) Kyushu Noji Shikenjo 10:118-120. Sept.1952. 107.6 K996

44981 ZHUKOV, I. Development of public poultry raising on collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(12):31-32. Dec.1952. 281.8 K83

RABBITS

Breeds and Breeding

44982 FISCHER, R. Augenfehler bei Holländern. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(3):1-2. Feb. 5,1953. 40.28 D48

44983 HOLHAUSEN, H. How the "long-ears" fare in western Germany. Fur & Feather 116:173. Mar.12, 1953. 49 F96

44984 SPREITZ, E. Unsere deutschen Grosssilber Schwarz. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(3): 2. (Cont.) Feb.5,1953. 40.28 D48

44985 THOMAS, H. Durch rassebeschränkung zur leistungssteigerung. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(4):14. Feb.20,1953. 40.28 D48

Rabbits.

44986 VAYSSE, J. Le lapin. Elevage et Cult. 5(49): 9-10. Jan.1953. 24 EL2

Breeds and care.

44987 WÄCHTERSHÄUSER, J. Der zuchtrammler. Deut. Kleintier-Züchter 8(2):8. Jan.20,1953. 49 D483

Feeds and Feeding

44988 COLLINS, B. R. Balancing the diet. Angora Rabbit Mag. 7(6):1-2. Feb./Mar.1953. 40.28 An42

44989 SANDFORD, J. C. A first report on antibiotics. Fur & Feather 116:103. Feb.12,1953. 49 F96

Rabbits.

44990 SANDFORD, J. C. What happens to food. Fur & Feather 115:816. Dec.11,1952. 49 F96

Rabbits.

Veterinary Medicine

44991 BOBYLEVA, E. A. Disinfection with a stabilized emulsion during coccidiosis in rabbits. (In Russian) Karakulevodstvo i Zverovodstvo 5(5):73-75. Sept./Oct. 1952. 49 K14

44992 DIETRICH, G. Untersuchungen über die giftigkeit von Salmonella gallinarum für kaninchen. Giessen,1952. 26 p. 41.2 D5623

Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

44993 DUBERT P, J. M., and others. Nouvelle méthode de séparation des protéines sériques par le méthanol. Application aux sérums de lapin et de cheval. Inst. Pasteur. Ann. 84:370-375. Feb.1953. 448.3 An75

P. Slizewicz, P. Rebeyrotte, and M. Macheboeuf, joint authors.

44994 JACOTOT, H., and VALLEE, A. Un foyer de myxome infectieux chez des lapins de garenne dans la région de Rambouillet. Inst. Pasteur. Ann. 84:448-450. Feb.1953. 448.3 An75

44995 KORDTS, E. Untersuchungen über die eignung der elektrophorese zur trennung der männchen- und weibchenbestimmenden spermien beim kaninchen (zugleich eine nachprüfung der befunde von Vera Schröder). Z. f. Tierzücht. u. Züchtbiol. 60:221-240. Nov.1952. 442.8 Z35

44996 KUSHKOVA, G. P. Utilization of roentgenography in the rabbit industry for studying the interior. (In Russian.) Dostizheniîà Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:76-78. Oct.1952. 20 D742

44997 MARTIN, L. A. Conservation sur les rongeurs de laboratoire du virus de Carré adapté ou non au lapin. Inst. Pasteur. Ann. 84:478-481. Feb.1953. 448.3 An75

44998 TEMPLETON, G. S. Mucoid enteritis, domestic rabbit killer number one. Fur & Feather 116:135. Feb.26,1953. 49 F96

44999 TEMPLETON, G. S. Rabbit mucoid enteritis. Small Stock Mag. 37(3):A2-A3. Mar.1953. 48.8 P442

Miscellaneous

45000 BLAGODATSKII, G. K. Rabbit raising on Molotov Collective Farm [in Verkhne-Mulin District]. (In Russian.) Sotsialist. Zhivotnovod. 14(12):38-41. 1952. 49 So71

45001 GAUBE, G. Kaninchenhaltung im winter. Osterr. Kleintierzüchter 8:7. Jan.1953. 49 Ös7

45002 GAUBE, G. Kritik, die grundlage zum erfolg. Osterr. Kleintierzüchter 8:20. (Cont.) Feb.1953. 49 Ös7

Standards for judging rabbits.

45003 HEISSNER, E. Nur mit gesunden, leistungsfähigen und erbfesten stämmen ziehen! Thür. Kleintierzüchter 7:8-9. Jan.10,1953. 49 T42

Rabbits.

45004 MININA, I. S. New system of rabbit maintenance on the collective farms of Moscow Region. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):61-63. Sept./Oct.1952. 49 K14

45005 WEIPPERT, H. Leistungssteigerung bei Angora. Deut. Kleintier-Züchter 8(4):6. Feb.20,1953. 49 D483

SHEEP AND GOATS

Breeds and Breeding

45006 ASLANÎAN, M. M. In regard to the effect of method of transportation on quality of ram's semen. (In Russian.) Vsesofuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(12):39-43. 1952. 20 Ak1

45007 AVER'ÎANOV, I. Î. To carry out the mating of Karakul sheep on a high zootechnical level. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):3-7. Sept./Oct.1952. 49 K14

45008 BELOBROVA, N. F. From the experiment of inseminating Karakul sheep with a mixture of semen. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):23-27. Sept./Oct.1952. 49 K14

45009 BILGEMRE, K., and DUZGUNES, O. Hornlessness in Angora goat. Z. f. Tierzücht. u. Züchtbiol. 60:282-284. Nov.1952. 442.8 Z35

45010 BIRNIE, A. Oxford Down sheep in 1952. Scot. Farmer 61(3141):157. Jan.1,1953. 10 Sco8

45011 BLACKFACE sheep in 1952. Scot. Farmer 61(3141):78-79. Jan.1,1953. 10 Sco8

45012 BLAZHIS, A. S. One of the methods in improving the sheep of Kuibyshev breed. (In Russian.) Sotsialist. Zhivotnovod. 14(12):42-46. 1952. 49 So71

45013 BORDER Leicester sheep in 1952. Scot. Farmer 61(3141):149-152. Jan.1,1953. 10 Sco8

45014 BRAILOV, S. F., and BUTIKOV, L. P. Experiment in breeding [artificial insemination] and wintering of Karakul sheep on [pastures with] wells with bitter-salt water. (In Russian.) Karakulevodstvo i Zverovodstvo 5 (5):14-19. Sept./Oct.1952. 49 K14

45015 BRIGIS, O. I. Influence of age of the rams and mother sheep upon the breeding and curling qualities of the progeny. (In Russian.) Karakulevodstvo i Zverovodstvo 6:17-25. Jan./Feb.1953. 49 K14

45016 CAYSSIALS, A. L. Quince años de mejoramiento ovino. Uruguay. Min. de Ganad. y Agr. B. Inform. 9 (449):3-4. Jan.8,1953. 9.9 G15B
Chiefly through breeding.

45017 CHAUSOVSKIĬ, A. A. Artificial insemination of sheep with mixed semen of two rams. (In Russian.) Sotsialist. Zhivotnovod. 14(11):45-48. Nov.1952. 49 So71

45018 CHEVIOT hill sheep in 1952. Scot. Farmer 61(3141):153-154. Jan.1,1953. 10 Sco8

45019 COSTA, R. The Romney Marsh, Ideal, and Merino breeds in the national livestock contest. (In Portuguese.) Granja [Porto Alegre] 9(67):39-40,47. Oct. 1952. 9.2 G76

45020 COUCY, S. DE. La race ovine de l'Ile-de-France; son introduction en Afrique du Nord. Elevage et Cult. 5(49):5-6. Jan.1953. 24 EL2

45021 DONALD, H. P. L'élaboration d'un plan d'élevage pour un troupeau expérimental de moutons de montagne (Blackface). France. Min. de l'Agr. B. Tech. d'Inform. 76:65-67. Jan./Feb.1953. 14 F844B

45022 ESAULOV, P. A. Potentialities for the development of fine-wooled sheep breeding. (In Russian.) Kolkhoz. Proizvodstvo 13:35-37. Jan.1953. 281.8 K83

45023 ESAULOV, P. A. Toward further advancement of fine-wooled and semi-fine-wooled sheep breeding. (In Russian.) Sovet. Zootekh. 7(12):9-16. Dec.1952. 49 So822

45024 HAGMANN, P. It pays in France. (In Danish.) Husmandshjemmet 3(7):1-2. Feb.17,1953. 11 H963
Breeding of Rambouillet sheep.

45025 HENDERSON, A. E. Fleece development and wool growth on the Romney lamb. J. Agr. Sci. 43:12-53. Ref. Jan.1953. 10 J822

45026 HOGG, W. North Country Cheviots in 1952. Scot. Farmer 61(3141):158. Jan.1,1953. 10 Sco8

45027 KAHMI, S. Practical field method in fixing sheep at the time of artificial insemination. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:791-796. 1952. 41.8 V6494
English summary.

45028 KING, M. The South African Angora goat. (In Afrikaans.) Land [Port Elizabeth] 2:9-10. 1952. 24 L22

45029 KRICHEVSKII, I. I. Kul'turnik Collective Farm—producer of breeding rams. (In Russian.) Sotsialist. Zhivotnovod. 14(11):43-45. Nov.1952. 49 So71

45030 LADE, A. W. Early Polwarth history. Past. Rev. 63:19. Jan.19,1953. 23 Au75

45031 LADE, A. W. Thoughts on the Merino. Past. Rev. 62:1306-1307. Dec.16,1952. 23 Au75

45032 LARROSA BOREAN, J. R. Selección de padres en majadas de doble finalidad. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(447):10. Dec.24,1952. 9.9 G15B
Rams.

45033 LAURANS, R., and POLY, J. Sélection et croisements en matière d'élevage ovin. France. Min. de l'Agr. B. Tech. d'Inform. 76:53-64. Ref. Jan./Feb.1953. 14 F844B

45034 LEBEL', L. D., and ZELENSKII, G. G. Methods of breeding downy and wooly goats. (In Russian.) Sotsialist. Zhivotnovod. 15(1):60-63. Jan.1953. 49 So71

45035 LETARD, E., and THÉRET. A propose de l'hybridation entre moutons et chèvres. Acad. d'Agr. de France. Compt. Rend. 38:739-741. Dec.3/17,1952. 14 P215Bc

45036 LETARD, E. A propos d'un centenaire: Édouard Malingié (1800-1852) et la race ovine de la Charmoise. Acad. d'Agr. de France. Compt. Rend. 38: 764-768. Dec.3/17,1952. 14 P215Bc

45037 LIKHACHEV, A. N. Innovation in the technique of artificial insemination of sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):19-22. Sept./Oct.1952. 49 K14

45038 LÖFVENBERG, S., and JOHANSSON, I. Uber die farbenvererbung beim Gotländischen Landschaf. Z. f. Tierzücht. u. Züchtbiol. 60:253-262. Nov.1952. 442.8 Z35

45039 LOLIGER, H. C. Beitrag zum problem der samenstauung bei ziegenböcken. Fortpflanzung u. Besamung der Haustiere 3:6-7. (Cont.) Jan.7,1953. 41.8 F773

45040 LOLIGER, H. C. Beitrag zum problem der samenstauung bei ziegenböcken. Fortpflanzung u. Besamung der Haustiere 3:12-14. (Concl.) Feb.15,1953. 41.8 F773

45041 LUCHUK, M. S. Development of fine-wooled sheep breeding in the North of Kazakhstan. (In Russian.) Sotsialist. Zhivotnovod. 15(1):79-81. Jan.1953. 49 So71

45042 MADDOX, L. A., MOWREY, R. C., and MILLER, J. C. Crossbreeding Rambouillet ewes with rams of the mutton breeds to determine the most profitable market lamb for the High Plains. Tex. Agr. Expt. Sta. Prog. Rpt. 1540,5 p. Jan.30,1953. 100 T31P

45043 MIROV, N. I. Lambing on set dates and increase in [Karakul fur] productivity of Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):10-14. Sept./Oct.1952. 49 K14
Breeding chiefly.

45044 PESHKOV, A. N., and BENEVOLENSKAIA, N. N. Development of downy [Orenburg] goat raising on Kozovod Collective Farm [in Mustaev District, Chkalov Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(12):30-37. 1952. 49 So71

45045 RAYNS, F. Last of their line; attempts are being made to increase the numbers of the Norfolk Horned sheep which throve in the eighteenth century. Field 201: 285. Feb.19,1953. 10 F45

45046 SANDE, E. A year among Merino sheep. (In Norwegian.) Produsenten 21:11-12. Jan.1953. 11 P94

45047 SERRA, J. A. Aplicações da genética no melhoramento de ovinos [Applications of genetics in the improvement of sheep]. III. Portugal. Junta Nac. dos Prod. Pecuários. Serv. da Prod. e Com. de Lãs. P. Sér. B, Ser. de Divulg. e de Apl. Prat. 3, 117 p. 1952. 45.9 P83P

45048 SOMMER, J. Winke zur vermeidung von fehlern und enttäuschungen für ziegenzüchter und -halter. Thür. Kleintierzüchter 7:17-18. Jan.20,1953. 49 T42

45049 SUFFOLK sheep in 1952. Scot. Farmer 61(3141):155-156. Jan.1,1953. 10 Sco8

45050 SWAIN, P. J. Mating of sheep, selection of breeding rams and ewes. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 29(4):19-20. Nov.1952. 24 T684

45051 TIMCHENKO, P. F. On organizing a flock of Karakul ewes. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):51-55. Nov./Dec.1952. 49 K14

45052 VESELOV, N. A. On the importance of set dates for lambing in breeding work. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):8-10. Sept./Oct. 1952. 49 K14

45053 WINTERS, L. M. Research in sheep breeding. Minn. Farm & Home Sci. [Minn. Sta.] 10(2):9,11. Feb. 1953. 100 M668

45054 ZHANDERKIN, A. I. Breeding downy [Kazakh] goats in Kazakhstan. (In Russian.) Sotsialist. Zhivotnovod. 14(11):72-75. Nov.1952. 49 So71

Feeds and Feeding

45055 CHARON, A. J. Conduite au pâturage des chèvres fougueuses. Rustica 26:115. Feb.1,1953. 14 R92

45056 COLLINS, R. A., and others. The influence of trace-mineralized salt upon the vitamin B_{12} and folic acid content of goat's milk. J. Dairy Sci. 36:29-32. Jan.1953. 44.8 J822
R. E. Boldt, C. A. Elvehjem, and E. B. Hart, joint authors.
Iodized salt.

45057 GESSAT, R. Aspect technique et économique de l'alimentation des ovins en parcours de pays pauvre. France. Min. de l'Agr. B. Tech. d'Inform. 76:133-144. Jan./Feb.1953. 14 F844B
Includes discussion.

45058 GILCH. Die futtergrundlage für ziegen. Deut. Kleintier-Züchter 8(2):7. Jan.20,1953. 49 D483

45059 GORB, T. V., and GRISHPAK, B. F. Feeding and maintenance of Karakul ewes in the Ukraine. (In Russian.) Karakulevodstvo i Zverovodstvo 6:26-33. Jan./Feb.1953. 49 K14

45060 GRIESSACHER, J. Fütterung der ziegen nach leistung. Osterr. Kleintierzüchter 8:8. Jan.1953. 49 Ös7

45061 HONEKER. Durch ernährung bedingte krankheitsursachen der ziegen. Deut. Kleintier-Züchter 8(3):1-3. Feb.5,1953. 49 D483

45062 JACLOT, and LEVACHER. Problèmes d'alimentation: mouton et assolement en culture intensive. France. Min. de l'Agr. B. Tech. d'Inform. 76:105-109. Jan./Feb.1953. 14 F844B
Includes discussion.

45063 KEDROVA, S. I. Processing of coarse feeds and feeding them to Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):16-20. Nov./Dec.1952. 49 K14

45064 KLINGER, M. Poisons—they ain't hay. Better Goatkeeping 8:1728-1729. Dec.1952. 40.18 B46

45065 KLOSTERMAN, E. W., and others. Protein requirements of ewes during breeding and pregnancy. J. Anim. Sci. 12:188-200. Ref. Feb.1953. 49 J82
D. W. Bolin, M. L. Buchanan, F. M. Bolin, and W. E. Dinusson, joint authors.

45066 NEMCHENKO, T. P. Proper utilization of winter pastures and economical consumption of feeds. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):8-11. Nov./Dec.1952. 49 K14
Sheep feeding on state farms.

45067 OPITZ, E. Leistungssteigerung in der ziegenzucht. Thür. Kleintierzüchter 7:41-42. Feb.10,1953. 49 T42
Feeding.

45068 STOECKEL, R. Problèmes d'alimentation: économie comparée des productions ovines en culture industrielle. France. Min. de l'Agr. B. Tech. d'Inform. 76: 111-120. Jan./Feb.1953. 14 F844B
Feeding.
Includes discussion.

45069 TILLMAN, A. D., and SWIFT, R. W. The utilization of ammoniated industrial by-products and urea by sheep. J. Anim. Sci. 12:201-212. Ref. Feb.1953. 49 J82

45070 VAN HORN, J. L., and THOMAS, O. O. Importance of adequate feed after lambing. Mont. Wool Grower 27(3):21. Mar.1953. 45.8 M762

45071 VAN HORN, J. L., and others. Value of dehydrated alfalfa for growth, wool production, and reproduction in sheep; progress report for 1951-1952. Mont Agr. Expt. Sta. Mimeog. C. 70,16 p. Jan.1953. 100 M76M
O. O. Thomas, A. E. Flower, J. Drummond, and A. Hoversland, joint authors.

45072 WEIR, W. C., and MILLER, R. F. The use of salt as a regulator of protein supplement intake by breeding ewes. J. Anim. Sci. 12:219-225. Ref. Feb.1953. 49 J82

45073 ZELTER, S. Z. Problèmes d'alimentation: allaitement et sevrage précoce de l'agneau. France. Min. de l'Agr. B. Tech. d'Inform. 76:121-130. Ref. Jan./Feb. 1953. 14 F844B
Includes discussion.

Veterinary Medicine

45074 ANDREWS, F. N., and BEESON, W. M. The effects of various methods of estrogen administration on the growth and fattening of wether lambs. J. Anim. Sci. 12:182-187. Feb.1953. 49 J82

45075 AUSTIN, E. D. Lactation curves of milk goats. Better Goatkeeping 8:1707. Nov.1952. 40.18 B46

45076 AUSTRALIAN VETERINARY ASSOCIATION. Investigations into the etiology and control of enzootic (toxaemic) jaundice of sheep. Austral. Vet. J. 28:309-312. Dec.1952. 41.8 Au72
Study of poisoning from grazing.

45077 BARTON, R. C. Take care of the doe's udder. Dairy Goat J. 31(3):4-6. Mar.1953. 40.18 M592

45078 BEGANOVIC, A. H. Streptococcus agalactiae in sheep. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1: 843-845. 1952. 41.8 V6494
English summary.
From sheep affected with mastitis.

45079 BELOV, E. M. To tie up the formation of [sheep] flocks with problems of disease prevention. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):56. Nov./Dec.1952. 49 K14

45080 BULLEN, J. J., SCARISBRICK, R., and MADDOCK, A. Enterotoxæmia of sheep: the fate of washed suspensions of Clostridium welchii type D introduced into the rumen of normal sheep. J. Path. & Bact. 65:209-219. Ref. Jan.1953. 448.8 J82

45081 CASOS, G. A. Teniasis de los ovinos. Campo [Tacuba] (ser.2)20(730):36,38,40-42,44,46. Dec.31,1952. 8 C157

45082 DAVIS, C. L., and HOVORKA, J. W. Lesions due to vaccination may cause sheep loss. Colo. Vet. Med. Assoc. B. 1(9):1,7,9. Sept.1952. 41.9 C7132

45083 DEMIN, N. N. Vitamin A content in the liver of grey and black Karakul sheep of different age and their embryos. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:252-254. 1952. 410.9 Ak13

45084 DUNLOP, G. The answer to bent-leg. Farmers Wk. [London] 38(7):78-79. Feb.13,1953. 10 F2226
Rickets in sheep.

45085 EAST, J. Oestrogenic effects of subterranean clover: studies on the female guinea pig. Austral. J. Sci. Res. Ser. B, Biol. Sci. 5:472-484. Ref. Nov.1952. 442.8 Au72
In connection with disease of sheep.

45086 EILER, M. A. Untersuchung über das vorkommen des grossen und kleinen leberegels bei den württembergischen wanderschafherden auf grund von schlachtbefunden. Giessen,1952. 31 p. Ref. 41.2 Ei53
Inaug.- Diss. - Justus Liebig-Hochschule, Giessen.
Sheep.

45087 GHISLENI, P. On the presumed cause of death of a ram of particular value. (In Italian.) Prog. Vet. 8: 16,18-20,22-24,26. Jan.1,1953. 41.8 P942

45088 GROSS, H. G. Euterkrankheiten bei ziege und schaf. Giessen,1952. 152 p. Ref. 41.2 G919
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

45089 HALL, J. W. D. Snow in spring creates a lambing hazard. Straight Furrow 12(4):7. Feb.1953. 281.8 St8

45090 HARSHFIELD, G. S. Worm infestation in range sheep. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:30-32. Winter 1953. 100 So82S

45091 HARWOOD, P. D. The use of lead arsenate mixed with phenothiazine for the removal of tapeworms from sheep and goats. Helminthol. Soc. Wash. Proc. 20: 29-31. Jan.1953. 436.9 H36

45092 HEALD, P. J., OXFORD, A. E., and SUGDEN, B. The fermentation of carbohydrates by ciliates of the sheep's rumen. Cong. Internatl. de Biochim. Résumés des Commun. 2:82. 1952. 386.2 In84

45093 HEALD, P. J. The fermentation of xylans in the rumen of the sheep. Brit. J. Nutr. 7:124-130. Ref. 1953. 389.8 B773

45094 JAMIESON, N. D., and SWAN, J. B. Photosensitivity diseases in New Zealand. VI. Some liver function tests on congenitally photosensitive Southdown, normal Southdown, and normal Romney sheep. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:354-359. Ref. Dec.1952. 514 N48A

45095 JEZIC, J., and JANJATOVIC, M. The so called southern wind disease (zaguživanje) a phenomenon of deranged acclimatization. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:703-714. Ref. 1952. 41.8 V6494
English summary.
Mountain sheep transferred to low altitudes.

45096 KARGAPOLOV, E. A., and KRIUKOV, K. F. Spring poisoning of sheep with Ceratocephalus falcatus. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):34-36. Sept./Oct.1952. 49 K14

45097 KATES, K. C., and TURNER, J. H. Experimental studies on the pathogenicity of Nematodirus spathiger, a trichostrongylid parasite of sheep. Amer. J. Vet. Res. 14:72-81. Ref. Jan.1953. 41.8 Am3A

45098 KOROVAEV, N. M. Experiment in de-worming sheep from Dictyocaulus filaria during the winter. (In Russian.) Veterinariia 29(11):34-36. Nov.1952. 41.8 V6426

45099 KOTOV, M. I. Economic importance of the skin structure in Karakul lambs. (In Russian.) Karakulevodstvo i Zverovodstvo 6:12-16. Jan./Feb.1953. 49 K14

45100 LEE, H. J., and KUCHEL, R. E. The aetiology of Phalaris staggers in sheep. I. Preliminary observations on the preventive role of cobalt. Austral. J. Agr. Res. 4:88-99. Ref. Jan.1953. 23 Au783

45101 LOTZE, J. C. The identity of Eimeria arloingi and E. faurei of sheep and goats. Helminthol. Soc. Wash. Proc. 20:55-58. Ref. Jan.1953. 436.9 H36

45102 LOTZE, J. C. Life history of the coccidian parasite, Eimeria arloingi, in domestic sheep. Amer. J. Vet. Res. 14:86-95. Jan.1953. 41.8 Am3A

45103 LYSOV, M. V. Utilization of penicillin and ASD f-2 preparation during pneumonia in lambs. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):72-73. Sept./Oct. 1952. 49 K14

45104 MEANS, T. M., ANDREWS, F. N., and BEESON, W. M. The effects of hormones on the growth and fattening of lambs. J. Anim. Sci. 12:176-181. Feb.1953. 49 J82

45105 MESSMORE, H. L. Erysipelas in lambs. No. Amer. Vet. 34:183. Mar.1953. 41.8 N812

45106 MICHAEL, D. T. Ovine ophthalmia: some observations, response to riboflavin. Vet. Rec. 65:88-89. Feb.7,1953. 41.8 V641

45107 MORAILLON, P. Aspects techniques de la prophylaxie collective des maladies des moutons en France Métropolitaine. France. Min. de l'Agr. B. Tech. d'Inform. 76:151-159. Jan./Feb.1953. 14 F844B
Includes discussion.

45108 NIKOL'SKIĬ, M. N. On paratyphoid in sheep. (In Russian.) Veterinariîa 29(11):14-19. Nov.1952. 41.8 V6426

45109 PASHOV, T. V., and SEREDA, D. I. Epizootic importance of lamb paratyphoid to Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 6:72-73. Jan./Feb.1953. 49 K14

45110 PEARSON, P. B., STRUGLIA, L., and LINDAHL, I. L. The fecal and urinary excretion of certain B vitamins by sheep fed hay and semi-synthetic rations. J. Anim. Sci. 12:213-218. Feb.1953. 49 J82

45111 POPOVA, N. V. Comparative morphology of the elastic connective tissue and white blood Karakul lambs. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:44-90. Ref. 1952. 410.9 Ak13

45112 PRICE, D. A., and HARDY, W. T. Activity of certain drugs against the fringed tapeworm. Amer. Vet. Med. Assoc. J. 122:216-220. Ref. Mar.1953. 41.8 Am3
Sheep.

45113 PRICE, D. A., and HARDY, W. T. Guajillo [Acacia berlandieri] poisoning of sheep. Amer. Vet. Med. Assoc. J. 122:223-225. Mar.1953. 41.8 Am3

45114 PUNGS, K. S. Die tuberkulose der ziegen, ihre bedeutung und verbreitung sowie vorschläge für ihre bekämpfung. Giessen,1952. 39 p. Ref. 41.2 P692
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

45115 SCHINCKEL, P. G. Follicle development in the Australian Merino. Nature [London] 171:310-311. Feb.14,1953. 472 N21

45116 SCHJERNING-THIESEN, K. Experiments on the stability of sheep erythrocytes stored in Alsever's solution. Acta. Path. et Microbiol. Scand. 32-198-203. Ref. 1953. 448.3 Ac8

45117 SHELTON, M., and others. Skin folds in fine-wool sheep. Sheep & Goat Raiser 33(5):18-20. Feb.1953. 45.8 Sh3
J. C. Miller, W. T. Hardy, and O. L. Carpenter, joint authors.

45118 SOPEL'CHENKO, M. I. Cestoda of sheep parasitic in the sex-maturing stage. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):68-69. Nov./Dec.1952. 49 K14

45119 STEWART, D. F. Studies on resistance of sheep to infestation with Haemonchus contortus and Trichostrongylus spp. and on the immunological reactions of sheep exposed to infestation. V. The nature of the "self-cure" phenomenon. Austral. J. Agr. Res. 4:100-117. Ref. Jan.1953. 23 Au783

45120 STORY, L. F. Use of copper sulphate in dipping sheep and its effect on the subsequent processing of the wool. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:287-293. Dec.1952. 514 N48A

45121 STROGOV, A. K. ASD [Dorogov's antiseptic stimulator]--useful remedy for treatment of hoof rot in sheep. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:48-50. Dec.1952. 20 D742

45122 STUBBS, E. L. Sheep blood for laboratory use. Amer. Vet. Med. Assoc. J. 122:226-227. Mar.1953. 41.8 Am3

45123 TAGLE V., I. Un caso de cisticercosis muscular en la oveja. Chile. U. Dept. de Parasitol.B. de Inform. Parasitarias Chilenas 7:68. Oct./Dec.1952. 436.9 C43
Possible Cysticercus cellulosae infestation.

45124 TETLEY, J. H. Inhibition of populations of Haemonchus contortus in sheep fed on white clover (Trifolium repens) high in lotaustralin. Nature [London] 171:311. Feb.14,1943. 472 N21

45125 TODD, A. C., and others. On the blood picture of sheep exposed to the medium stomach worms. III. Second and third exposures. Vet. Med. 48:102-105,110. Mar.1953. 41.8 M69
Z. N. Wyant, G. W. Elam, and W. M. Stone, joint authors.

45126 ULRICH, A. Untersuchungen über die laktation von nichtmilchschafen mit vergleichenden betrachtungen zur laktation von kühen. Milchwissenschaft 8: 96-98. (Cont.) Mar.1953. 44.8 M5933

45127 VAGIN, I. E. Epizootiology of foot-and-mouth disease in sheep and goats. (In Russian.) Veterinariîa 30:26. Jan.1953. 41.8 V6426

45128 WOOLSEY, J. H., and RICHARDS, B. Enterotoxemia (pulpy kidney) strikes fast; must be met with immediate action. Calif. Livestock News 28(9):4. Mar.3, 1953. 45.8 C12
Sheep.

45129 YOSHIOKA, Z., and IDE, K. Judgment of the oestrus from vaginal secretion in ewes. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:86-91. May 1952. 107.6 K83
English summary.

Miscellaneous

45130 ALI, K. T., NEALE, P. E., and MCFADDEN, W. D. A rapid method for the estimation of clean fleece weight with the aid of a new wool density device. J. Anim. Sci. 12:165-175. Ref. Feb.1953. 49 J82

45131 BARRIOLA, J. P. El mejoramiento de la producción de lana. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(450):5. Jan.15,1953. 9.9 G15B

45132 BARRIOLA, J. P. El plantel y la majada. Asoc. Rur. del Uruguay. Rev. 80:23-25. Jan.1953. 9.9 As5

45133 BOIKO, D. F. From the practices of the chief shepherd, Dzhaksa Kendzhabaev, in management of Karakul sheep. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):11-15. Nov./Dec.1952. 49 K14

45134 BOIKO, D. F. Successful husbandry of Karakul sheep during the winter and faultless care during lambing. (In Russian.) Karakulevodstvo i Zverovodstvo 6:3-6. Jan./Feb.1953. 49 K14

45135 BONINO LAURNAGA, R. Nuestro medio ambiente y la oveja. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(447):3,2. Dec.24,1952. 9.9 G15B

45136 BUTYRINA, P. F. Practices of the leading shepherds. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:61-63. Nov.1952. 20 D742
Sheep care.

45137 CABEE, M. Problèmes de l'élevage ovin en Algérie. France. Min. de l'Agr. B. Tech. d'Inform. 76: 77-84. Jan./Feb.1953. 14 F844B

45138 CAPURRO, M. Erradicación de la mala oveja. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(448):3-4. Dec.31,1952. 9.9 G15B

45139 CHEKHUTA, F. S., and KOVALENKO, F. Z. Our method of raising lambs. (In Russian.) Sotsialist. Zhivotnovod. 14(12):47-50. 1952. 49 So71

45140 CLEAVES, M. The goat's place in literature. Dairy Goat J. 31(3):10. Mar.1953. 40.18 M592

45141 FRANCE. MINISTERE DE L'AGRICULTURE. Le mouton. France. Min. de l'Agr. B. Tech. d'Inform. 76,163 p. Ref. Jan./Feb.1953. 14 F844B

45142 GLADKOV, G. M. Practices of the shepherd, Dzhusupbekov Choko. (In Russian.) Sotsialist. Zhivotnovod. 14(11):40-42. Nov.1952. 49 So71

45143 GRIESSACHER, J. Aufzucht der ziegenlämmer. Osterr. Kleintierzüchter 8:28-29. Feb.1953. 49 Os7

45144 HUGO, W. J. Vital importance of milk yield in Merino. Wolboer 6(6):33-34. Jan.1953. 45.8 W83

45145 KARAM, H. A., CHAPMAN, A. B., and POPE, A. L. Selecting lambs under farm flock conditions. J. Anim. Sci. 12:148-164. Ref. Feb.1953. 49 J82

45146 LEROY, A. M. La production ovine dans la Métropole et en Afrique du Nord; ses possibilités d'amélioration. France. Min. de l'Agr. B. Tech. d'Inform. 76:95-104. Jan./Feb.1953. 14 F844B

45147 LINK, P. Cómo obtener más lana de las ovejas. Asoc. Rur. del Uruguay. Rev. 80:34-35. Jan.1953. 9.9 As5

45148 MASON, J. Programme de sélection en matière d'élevage ovin. France. Min. de l'Agr. B. Tech. d'Inform. 76:69-75. Ref. Jan./Feb.1953. 14 F844B
Includes discussion.

45149 NICHOLS, J. E. Sheep farming problems. Roy. Agr. Soc. Eng. J. 113:103-111. 1952. 10 R81

45150 NIKOLIC, D. About the effects of climatic factors on the fineness of wool. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:75-86. Ref. 1952. 106.6 B41
English summary.

45151 ORCUTT, E. P. What's new in sheep husbandry. Better Farming Methods 25(3):62-63. Mar.1953. 58.8 B46

45152 PISSALOUX, R. Les problèmes de l'élevage ovin en Tunisie. France. Min. de l'Agr. B. Tech. d'Inform. 76:91-93. Jan./Feb.1953. 14 F844B

45153 POPE, A. L. Shear ewes before lambing. Wis. Coop. Wool Growers News 18(7):4-5. Feb.1953. 280.28 W882

45154 PUECH, G. Orientation et amélioration de la production du lait de brebis. France. Min. de l'Agr. B. Tech. d'Inform. 76:39-51. Jan./Feb.1953. 14 F844B
Raising of sheep for milk for Roquefort cheese manufacture.
Includes discussion.

45155 REID, P. A. Woolgrowing in South Africa. Past. Rev. 62:1304-1306. (Concl.) Dec.16,1952. 23 Au75

45156 SAFONOV, I. Our method of increasing [wool] productivity of fine-wooled sheep. (In Russian.) Kolkhoz. Proizvodstvo 12(12):38-39. Dec.1952. 281.8 K83

45157 SMIRNOV, L. F. Leading sheep raising farm of Nachalo Kolkhoz [in Kharov District, Vologda Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(12):85-86. 1952. 49 So71

45158 SOTOLA, J. Scientific management best hope. (Excerpts.) Mont. Wool Grower 27(3):11-12,14-16. Mar. 1953. 45.8 M762
Care and feeding of sheep.

45159 STAROSTIN, S. N. Effect of winter walks on the development and health of lambs of the Romanov breed. (In Russian.) Veterinariia 30:54-57. Jan.1953. 41.8 V6426

45160 VARDEHAUG, O. Sheep on pasture. IV-V. Cooperative shepherding. (In Norwegian.) Landbruks-tidende 59:64-67,84-85. Jan.28-Feb.4,1953. 11 L236

45161 WHITLOCK, R. The land first: VII. Twenty million sheep. Field 201:201-202. Feb.5,1953. 10 F45
Management in Britain.

SWINE

Breeds and Breeding

45162 BAUER, H., and ENGLERT, H. K. Tierhygienisch-züchterische untersuchungen zur zuchttauglichkeit und sterilität der herdbucheber. Berlin. u. Münch. Tierärztl. Wchnschr. 66:33-37. (Cont.) Feb.1, 1953. 41.8 B45

45163 BAUER, H., and ENGLERT, H. K. Tierhygienisch-züchterische untersuchungen zur zuchttauglichkeit und sterilität der herdbucheber. Berlin. u. Münch. Tierärztl. Wchnschr. 66:58-61. (Cont.) Ref. Feb 15,1953. 41.8 B45

45164 BLUNN, C. T., BAKER, G. N., and HANSON, L. E. Heritability of gain in different growth periods in swine. J. Anim. Sci. 12:39-50. Feb.1953. 49 J82

45165 BRIGGS, H. The Landrace in Britain. Farmers Wk. [London] 38(11):75,77. Mar.13,1953. 10 F2226

45166 ECKHOFF, H. Erbstämme und erblinien der prämien-schweine auf den letzten DLG-schauen. Tierzüchter 5:54-57. Feb.5,1953. 49 T445

45167 HALLER, A. How to buy a boar. Farm Q. 8:48-49,104-110. Spring 1953. 6 F22995

45168 JEPPESEN, R. Work at the hog breeding centers in 1951-52. (In Danish.) (Sum.) Jydsk Landbr. 35:24-26. Jan.5,1953. 11 J99

45169 LADAN, P. E. Raising of Novocherkassk bacon type pigs. (In Russian.) Sotsialist. Zhivotnovod. 15(1):52-59. Jan.1953. 49 So71

45170 MATIC, R. Hungry sterility of swine. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:841-842. 1952. 41.8 V6494
English summary.

45171 SAVAGLIO, L. Results of the first review of Large White selected swine raised under partly outdoor conditions and the 1st Fat Swine Concourse at Castiglion Fiorentino. (In Italian.) Agr. Tosc. 7:405-409. Dec. 1952. 16 Ag827

45172 SCHWITTEK, W. Untersuchungen über die vererbung der fruchtbarkeit in der Edelschweinzucht von Sachsen-Anhalt. Z. f. Tierzücht. u. Züchtbiol. 60:241-252. Nov.1952. 442.8 Z35

45173 SIMOVIC, B. M. A study on the characteristics of the "Zdravinjska" pig. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:297-309. Ref. 1952. 106.6 B41
English summary.

45174 U. S. BUR. OF ANIMAL INDUSTRY. American breed record associations; swine. U. S. Bur. Anim. Indus. A. H. D. 6,rev.,2 p. Mar.1953. 1.9 An52Ah

45175 USTINOV, V. G. Five tons of production from one sow in a year. (In Russian.) Sovet. Zootekh. 7(11): 42-54. Nov.1952. 49 So822
Increased litters and breeding methods.

45176 VOITKO, D. I. Methods of breeding on the swine breeding state farms. (In Russian.) Sotsialist. Zhivotnovod. 14(11):56-66. Nov.1952. 49 So71

Feeds and Feeding

45177 AMSCHLER, J. W., and PAMMER, H. Mastversuch normaler schweine und kümmerer mit Aurofac-2A. Bodenkultur 6:246-256. 1952. 19 B635

45178 BECKER, D. E., and others. The influence of heat treatment and solvent upon the nutritive value of soybean oil meal for swine. J. Anim. Sci. 12:107-116. Ref. Feb.1953. 49 J82
C. R. Adams, S. W. Terrill, and R. J. Meade, joint authors.

45179 BLOSS, R. E., and others. Supplementation of a corn-meat and bone scrap ration for weanling pigs. J. Anim. Sci. 12:102-106. Ref. Feb.1953. 49 J82
R. W. Luecke, J. A. Hoefer, F. Thorp, and W. N. McMillen, joint authors.

45180 BRAUDE, R. Recent developments in pig nutrition. Roy. Agr. Soc. Eng. J. 113:112-118. Ref. 1952. 10 R81

45181 CATRON, D. V., and others. Development of practical synthetic milk formulas for baby pigs. J. Anim. Sci. 12:62-76. Feb.1953. 49 J82
L. F. Nelson, G. C. Ashton, and H. M. Maddock, joint authors.

45182 CATRON, D. V., and others. Effect of certain antibiotics and vitamin B_{12} on pantothenic acid requirements of growing-fattening swine. J. Anim. Sci. 12:51-61. Ref. Feb.1953. 49 J82
R. W. Bennison, H. M. Maddock, G. C. Ashton, and P. G. Homeyer, joint authors.

45183 COOPER, M. M. There's no point in growing water. Farmers Wk. [London] 38(8):80-81. Feb.20,1953. 10 F2226
Home production of fodder beets for feed for pigs.

45184 DAMMERS, J. The importance of vitamin B_{12} for pig feeding. J. Agr. Sci. 43:92-94. Jan.1953. 10 J822

45185 DE PAPE, J. G., BURKITT, W. H., and FLOWER, A. E. Dehydrated alfalfa and antibiotic supplements in gestation-lactation rations for swine. J. Anim. Sci. 12:77-83. Ref. Feb.1953. 49 J82

45186 ERDELJAN, V. Some problems about the industrial fattening of pigs. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:323-337. Ref. 1952. 106.6 B41
English summary.

45187 FAZIO, F. On the subject of swine production. (In Italian.) Humus 8(12):19-21. Dec.1952. 16 H88
Chiefly feeding.

45188 FEVRIER, R. Production agricole et production porcine. Porc 24:23-24. Jan.1953. 46.8 P822
Farm food supply for swine.

45189 FORSHAW, R. P. Antibiotics in hog feed. Macdonald Farm J. 13(6):16-17. Feb.1953. 101 M144

45190 GORB, T. V., PLIUSHCH, M. G., and ROS', I. F. Effect of vitamins A, D, and C on growth and health condition of baby pigs. (In Russian.) Sovet. Zootekh. 7 (12):82-84. Dec.1952. 49 So822

45191 HENNAUX, L., and HOLVOET, J. Effet des antibiotiques et de la vitamine B_{12} sur la croissance du porcelet. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:82-90. Ref. 1952. 105.1 G285

45192 KHIRIA, E. A. Our method of swine fattening. (In Russian.) Sotsialist. Zhivotnovod. 15(1):42-44. Jan. 1953. 49 So71
Chkalov Kolkhoz in Dnepropetrovsk Region.

45193 KOROLEV, N. A. Feeding sprouting seeds of leguminous plants to young swine. (In Russian.) Sotsialist. Zhivotnovod. 15(1):17-18. Jan.1953. 49 So71

45194 KRÜGER, L., HINRICHSEN, J. K., and BIEDERMANN, F. Schweineschnellmast mit trockenmolke und trockenbuttermilch. Futter u. Fütterung 26: 193-194. Jan.1953. 389.78 F98

45195 MOTORNYI, M. N. Experiment in swine fattening at a varied preparation of feeds. (In Russian.) Sotsialist. Zhivotnovod. 15(1):22-23. Jan.1953. 49 So71

45196 NELSON, L. F., and others. Baby pigs have a sweet tooth! Iowa State Col. Agr. Ext. Iowa Farm Sci. 7: 127-130. Feb.1953. 275.28 Io94

L. N. Hazel, A. A. Moore, H. M. Maddock, G. C. Ashton, C. C. Culbertson, and D. V. Catron, joint authors.

Nutrient recommendations for a pig starter.

45197 PIAL'ZING, E. G. Fattening swine on food waste. (In Russian.) Sotsialist. Zhivotnovod. 14(11):19-22. Nov.1952. 49 So71

45198 PICCIONI, M. Protein needs of swine. (In Italian.) Allevatore 9(6):3. Feb.8,1953. 49 AL55

45199 PLAGER, W. The practical use of synthetic sow's milk. Breeder's Gaz. 118(2):11,17. Feb.1953. 49 B74

45200 RICHTER, K., and LEZIUS, G. Trockengrünfutter im austausch mit getreideschrot bei der kartoffelmast der schweine. Deut. Landwirt.-Gesell. Mitt. 68:56-57. Jan.15,1953. 18 N39

45201 ROINE, P., ANTILA, M., and SUHONEN, I. Transmittance of foreign organic compounds from the feed to the flesh of swine. J. Anim. Sci. 12:117-123. Feb. 1953. 49 J82

45202 ROMANCHUK, I. I. A meat factory. (In Russian.) Sotsialist. Zhivotnovod. 15(1):29-35. Jan.1953. 49 So71

Chiefly on swine fattening at Vyborg State Farm.

45203 SAMARTSEV, M. I. Utilization of chopped hay in swine fattening. (In Russian.) Sotsialist. Zhivotnovod. 14(12):27-29. 49 So71

45204 SCHENDEL, H. E., and JOHNSON, B. C. Comparison of anti-bacterial and anti-yeast mold antibiotics with baby pigs in the presence of several levels of B vitamins. J. Anim. Sci. 12:88-95. Ref. Feb.1953. 49 J82

45205 SCHENDEL, H. E., and JOHNSON, B. C. Raising baby pigs on dried skim milk: effect of the addition of aureomycin and of lard. J. Anim. Sci. 12:84-87. Feb. 1953. 49 J82

45206 SHAFRAN, A. M. Feeding silage to swine. (In Russian.) Sotsialist. Zhivotnovod. 14(12):15-17. 1952. 49 So71

45207 SHEFFY, B. E. Antibiotics and their use in hog production. Better Farming Methods 25(3):26,28,30. Mar.1953. 58.8 B46

45208 SHEFFY, B. E., and others. Is "synthetic" sow's milk practical? Farm Res. [N. Y. Sta.] 19:8-9. Jan.1953. 100 N48A

R. F. Sewell, R. G. Eggert, and J. K. Loosli, joint authors.

45209 SOUZA, J. S. DE. Protein in swine nutrition. (In Portuguese.) Granja [Porto Alegre] 9(67):50. Oct. 1952. 9.2 G76

45210 SUZDAL'TSEVA, N. V. Two tons of pork from every 100 hectares of pasture. (In Russian.) Sotsialist. Zhivotnovod. 14(12):84-85. 1952. 49 So71

45211 TOMMÉ, L. Utilization of vitamin preparations in swine fattening. (In Russian.) Miasnaia Indus. SSSR. 23(6):68-69. Nov./Dec.1952. 50.8 M58

45212 TRIBE, D. Avoid these mistakes when feeding fodder beet. Dairy Farmer [Ipswich] 26(3):52. Mar.1953. 44.8 D1414

To swine.

45213 VOGEL, H. Schweinemastversuche mit presskartoffeln. Landwirt. Jahrb. f. Bayern 30:81-99. Jan. 1953. 18 L24

45214 WARD, H. H. Antibiotics and animal feeding. II. Agr. Merchant 33:45-46. Feb.1953. 10 Ag89

Antibiotics in pig feeding.

45215 WITT, M. Futterverwertung und schlachtqualität in ihrer bedeutung für das zuchtziel in der schweinezucht. Deut. Landwirt.-Gesell. Mitt. 68:123-126. (Cont.) Feb.5,1953. 18 N39

45216 WITT M. Futterverwertung und schlachtqualität in ihrer bedeutung für das zuchtziel in der schweinezucht. Deut. Landwirt.-Gesell. Mitt. 68:156-158. (Concl.) Feb.12,1953. 18 N39

45217 ZINCHENKO, M. S. Our method of efficient swine feeding. (In Russian.) Sotsialist. Zhivotnovod. 15(1):82-84. Jan.1953. 49 So71

Veterinary Medicine

45218 ANGELOV, S., and KUIUMDZHIEV, I. Recherches sur les nouveaux principes d'immunisation active contre le rouget du porc, avec une considération particulière sur le vaccin adsorbant concentré. (In Bulgarian.) Bulgarska Akad. na Nauk. Mikrobiol. Inst. Izv. 3(3):5-32. 1952. 448.39 B87

French summary.

45219 BAILEY, J. W. Facts about the new hog cholera vaccine. Berkshire News 18(5):8. Mar.1953. 46.8 B454

45220 BAILEY, J. W. Leptospirosis in Wisconsin. Amer. Vet. Med. Assoc. J. 122:222. Mar.1953. 41.8 Am3

Swine and cattle.

45221 BAIN, L. R. Postcastration hemorrhage of pigs following worming with sodium fluoride. Vet. Med. 48:124. Mar.1953. 41.8 M69

45222 BAKEEVA, E. N., and UTEKHIN, B. P. Stimulation of digestion in swine. (In Russian.) Sovet. Zootekh. 7(11):62-67. Nov.1952. 49 So822

45223 BAKER, L. N., and others. Occurrence of estrus in sows following parturition. J. Anim. Sci. 12:33-38. Feb.1953. 49 J82

H. L. Woehling, L. E. Casida, and R. H. Grummer, joint authors.

45224 BAY, W. W., DOYLE, L. P., and HUTCHINGS, L. M. Transmissible gastroenteritis of swine, a study of immunity. Amer. Vet. Med. Assoc. J. 122:200-202. Mar.1953. 41.8 Am3

45225 BIANCHI, E. Special aspects of swine pathology in Emilia. (In Italian.) Clin. Vet. 75:353-363. Dec. 1952. 41.8 C61

45226 BORGMANN, R. Infectious atrophic rhinitis unrelated to swine erysipelas. Vet. Med. 48:97,101. Mar.1953. 41.8 M69

45227 BRIDGES, J. H., DYER, I. A., and POWERS, J. J. Penicillin and streptomycin affect the micro-flora of the intestinal tract of pigs. J. Anim. Sci. 12:96-101. Ref. Feb.1953. 49 J82

45228 CHARBIT, and SENDRAL. La pyobacillose porcine au Maroc. Terre Marocaine 27(278):5-6. Jan. 1953. 24 T44

Abscesses caused by Corynebacterium pyogenes.

45229 DICKE, B. Untersuchungen über das vorkommen von salmonellen im darminhalt gesunder schweine. Giessen,1952. 24 p. Ref. 41.2 D552

Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

45230 FERRANDO, R. Le "microbisme" de porcherie. (Sum.) Porc 23(11):17-19,21-23. Dec.1952. 46.8 P822

45231 FOURNIER, J. C. Les antibiotiques et le bacille du rouget. Recherches sur le pouvoir inhibiteur in vitro. Maisons-Alfort,Au Manuscrit,1952. 44 p. Ref. 41.2 F822

Thèse - Ecole Nationale Vétérinaire, Alfort.

45232 GARDINER, M. R., SIPPEL, W. L., and MCCORMICK, W. C. The blood picture in newborn pigs. Amer. J. Vet. Res. 14:68-71. Jan.1953. 41.8 Am3A

45233 GARIO, L. On a case of melanosis diffusa in swine. (In Italian.) Prog. Vet. 8:69-70,72. Jan.15,1953. 41.8 P942

45234 GRUMMER, R. H. Low cost medicine. Hoard's Dairyman 98:297. Mar.25,1953. 44.8 H65

Control of swine diseases.

45235 HOFF-JØRGENSEN, E., and LANDBOE-CHRISTENSEN, E. The distribution of the B_{12} binding factor within the gastrointestinal canal of the hog. Arch. Biochem. & Biophys. 42:474-475. Feb.1953. 381 Ar2

45236 HORTER, R. Maul- und klauenseuche bei schweinen. Deut. Tierärztl. Wchnschr. 60:80-81. Feb.1, 1953. 41.8 D482

45237 HOW WE can eradicate vesicular exanthema. Natl. Provisioner 128(9):65-67,71. Feb.28,1953. 286.85 N21

Summaries of talks.

In swine.

45238 HRUŠKA, K. Les études comparatives sur le rouget du porc. I-II. (In Czech.) Českoslov. Akad. Zeměděl. Sborn. 25:541-554. Ref. Dec.1952. 19.5 C332C

French summary.

45239 HUPKA, E., and BEHRENS, H. Der einfluss von "entan" auf die gewichtszunahme und den gesundheitszustand von ferkeln mit aufzuchtkrankheiten. Deut. Tierärztl. Wchnschr. 60:69-71. Ref. Feb.1,1953. 41.8 D482

45240 KITCHELL, R. L., and STEVENS, C. E. Cardiac, aortic arch and other anomalies in newborn pigs. (Abs.) Anat. Rec. 115:398. Feb.1953. 447.8 An1

45241 KITCHELL, R. L., SAUTTER, J. H., and YOUNG, G. A. The experimental production of malformations and other abnormalities in fetal pigs by means of attenuated hog cholera virus. (Abs.) Anat. Rec. 115:334. Feb.1953. 447.8 An1

45242 LUTJE, F. Nochmals bemerkungen zum rotlaufproblem. Berlin. u. Münch. Tierärztl. Wchnschr. 66:56-58. (Cont.) Ref. Feb.15,1953. 41.8 B45

45243 MAAS, A. Die Riemser rotlaufadsorbatvakzine nach Traub in der praxis 1947 bis 1951. Monatsh. f. Vetmed. 8:1-5. Ref. Jan.1,1953. 41.8 M742

45244 MALCIC, B. Excretory urography in swine. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:777-787. Ref. 1952. 41.8 V6494
English summary.

45245 NARDELLI, L. Recent knowledge on vaccination in the prevention of swine erysipelas. (In Italian.) Clin. Vet. 75:371-376. Ref. Dec.1952. 41.8 C61

45246 NEVILLE, A. Profitable pig keeping. 3. Interference at farrowing time should be avoided. Poultry 112: 39. Jan.20,1953. 47.8 P869

45247 OLSON, C., DUNN, L. A., and ROLLINS, C. L. Methods for isolation of Listeria monocytogenes from sheep. Amer. J. Vet. Res. 14:82-85. Jan.1953. 41.8 Am3A

45248 PETERSEN, W. W. Can baby pigs be saved in cases where the sow has to be slaughtered? (In Danish.) Dansk Landbr. 72:97. Feb.19,1953. 280.28 V91

45249 RASBECH, N. O. Studies on the employment of aphrodisiacs for gilts and sows. Heat-promoting effect and size of litter in 1655 animals treated. (In Danish.) Nord. Vetmed. 5:131-148. Ref. Feb.1953. 41.8 N813
English summary.

45250 RISLAKKI, V., and PENTTINEN, K. On the etiology of infectious pig cough occurring in Finland. 1-2. (In Norwegian.) Nord. Vetmed. 5:113-130. Ref. Feb. 1953. 41.8 N813
English summary.
1, by V. Rislakki; 2, by K. Penttinen and V. Rislakki.

45251 SALOMON, J. Ein beitrag zur fraktur der wirbelsäule beim schwein. Monatsh. f. Vetmed. 8:30-31. Jan.15,1953. 41.8 M742

45252 SHAL'NEV, V. F. Experiment in mass castration of swine intended for fattening on the state farms of the Ministry of State Farms in Ukrainian SSR. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:64-70. Oct.1952. 20 D742

45253 SHANKS, P. L. Big liver disease in pigs. Vet. Rec. 65:58. Jan.24,1953. 41.8 V641

45254 SHANKS, P. L. Can meal-dust cause coughing in pigs? Vet. Rec. 65:58-59. Jan.24,1953. 41.8 V641

45255 SHANKS, P. L. Diarrhoea in pigs. Vet. Rec. 65:109-110. Feb.14,1953. 41.8 V641

45256 SHOEMAKER, R. L. Tips for farrowing time. Ala. Farmer 32(4):10-11. Jan.1953. 276.8 AL1

45257 SPINDLER, L. A., SHORB, D. A., and HILL, C. H. The role of trichomonads in atrophic rhinitis of swine. Amer. Vet. Med. Assoc. J. 122:151-157. Ref. Mar.1953. 41.8 Am3

45258 STOVIN, G. H. T., and STOVIN, P. G. I. Keratitis in pigs. Vet. Rec. 65:74-76. Jan.31,1953. 41.8 V641

45259 SUBBOTINA, L. G. Castration of old boars. (In Russian.) Veterinariia 29(12):40-43. Dec.1952. 41.8 V6426

45260 TERRY, E. E. Enteritis and dysentery in garbage fed swine: a clinical report. Vet. Med. 48:98-101. Ref. Mar.1953. 41.8 M69

45261 TIMM, W. Ein beitrag zur behandlung des endoparasitenbefalls von läuferschweinen mit natriumfluorid. Monatsh. f. Vetmed. 8:26-29. Ref. Jan.15,1953. 41.8 M742

45262 U. S. BUR. OF ANIMAL INDUSTRY. Report of developments on eradication of vesicular exanthema. Washington?1952. 5 p. (Report No. 1) 1.972 A2R297
In swine.

45263 WHITTLESTONE, W. G. The milk-ejection response of the sow to standard doses of oxytocic hormone. J. Dairy Res. 20:13-15. Feb.1953. 44.8 J823

45264 ZARNACK, U., and BRUHANN, W. Uber den kaiserschnitt beim schwein in der tierärztlichen praxis. Tierärztl. Umschau 8:44-47. Ref. Feb.1953. 41.8 T445

Miscellaneous

45265 ANDERSON, A. L. What's new in swine husbandry. Better Farming Methods 25(3):32,34. Mar.1953. 58.8 B46

45266 BARNES, H. Sow and litter, a 4-H project record. Ohio. Agr. Col. Ext. 4-H C. 169,8 p. Feb.1952. 275.29 Oh322

45267 CARSE, G. M. D. Rearing pigs on deep litter. Agr. Gaz. N. S. Wales 63:623-624. Dec.1952. 23 N472

45268 CHIEFFI, A. Conditions for success in swine production. (In Portuguese.) Granja [Porto Alegre] 9 (67):51. Oct.1952. 9.2 G76

45269 DUTTON, W. Pig production and management. (Sum.) Manx J. Agr. (n.s.)7(3):21,23,27,29,31. Jan.1953. 10 M312

45270 ECKHOFF. Fettschweine unerwünscht! Tierzüchter 5:105-106. Mar.5,1953. 49 T445

45271 ELLENA, G. Various things. (In Italian.) Nuova Agr. Milan. 3(11):1. June 1952. 16 C153
Swine care.

45272 JACKSON, W. C. Selective hog grading. Amer. Hampshire Herdsman 28(3):10,12,14,48,50. Mar.1953. 46.8 Am33

45273 KOTLOV, N. D. Method of highly productive work on a collective swine raising farm. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:40-43. Dec.1952. 20 D742

45274 LASLEY, J. This pig weighed 201 pounds at 4 months. Feed Age 3(3):20-23. Mar.1953. 389.78 F327
Care.

45275 LLOYD, W. Pigkeeping in Denmark. Mod. Poultry Keeping 68:150. Feb.11,1953. 47.8 Eg3

45276 LONGWILL, A. Survey of losses in pigs on New Zealand farms, 1949/51. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:294-305. Dec.1952. 514 N48A

45277 MATSUMARU, S. Yoton keiei no shin chishiki [New knowledge of hog raising]. Tokyo,Kawade Shobo, 1952. 260 p. 46 M422

45278 MILLER, E. C. Raising hogs in Indiana. Purdue U. Agr. Ext. B. 359,rev.,40 p. 1952. 275.29 In2E

45279 ROSSI, R. P. Meaty and fat swine. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:15-16. Jan.1953. 16 C72

45280 ROTERMEL', Z. A. Effect of controlled raising of baby pigs on their subsequent fattening. (In Russian.) Sovet. Zootekh. 7(11):55-61. Nov.1952. 49 So822

45281 SCHONKWILER, O. Why these fat hogs? Farmer [St. Paul] Gen. Ed. 71(4):1,22-23,71. Feb.21,1953. 6 F2211
Swine types and carcass quality.

45282 SEVERSON, H. Top hogs for top 4-H'ers. Co. Agent & Vo-Ag Teacher 9(2):16-17. Feb.1953. 275.28 N213

45283 SILVESTRINI, G. Raising baby pigs in the winter. (In Italian.) Riv. di Zootec.26:21-25. Jan.1953. 49 R52

45284 SMITH, W. W. Hog types and the surplus lard problem. Hog Breeder 28(3):4,16. Mar.1953. 46.8 H672

45285 STEINBACH, M. Jetzt beginnen wieder die ferkelsorgen. Landwirtbl. Weser-Ems 99:34. Jan.10, 1952. 18 L2345

45286 TISSERAND, R. L'abatage électrique du porc. Paris,Foulon,1952. 64 p. Ref. 50 T52
Thèse - Ecole Nationale Vétérinaire, Alfort.

45287 WHITLOCK, R. The land first. VII. The pig farmers' task. Field 201:283-284. Feb.19,1953. 10 F45
Care and feeding in Great Britain.

45288 ZVIAGINTSEV, K. F. Practices of a swine raising farm. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:68-70. Jan.1953. 20 D742

ENTOMOLOGY

GENERAL

45289 AUCLAIR, J. L. Amino acids in insects. Canad. Ent. 85:63-68. Ref. Feb.1953. 421 C16

45290 BRUNS, H. Warn- und tarntrachten im tierreich. Stuttgart,1952. 76 p. Ref. (Kosmos Bändchen 196) 442 B832
Includes insects.

45291 CASEY, J. Insects inspire many odd beliefs. Soil & Water Mag. 2(2):38-39. Feb.1953. 54.8 So3

45292 DENNELL, R., and MALEK, S. R. A. Homology of the layers of the epicuticle of insects. Nature [London] 171:298-299. Ref. Feb.14,1953. 472 N21

45293 DUPORTE, E. M. The protocephalon: a critique of recent interpretations. Canad. Ent. 85:41-55. Ref. Feb.1953. 421 C16

45294 GARDNER, A. E. Odonata and Hymenoptera with prey. Entomologist 86:52. Feb.1953. 421 En8

45295 GAUL, A. T. The wonderful world of insects. New York,Rinehart,1953. 290 p. Ref. 422 G23W

45296 HICKS, E. A. Observations on the insect fauna of birds' nests. Kans. Ent. Soc. J. 26:11-18. Ref. Jan. 1953. 420 K13

45297 HILLER, R. Uber mikroaufnahmen von bernsteininklusen. Beitr. z. Ent. 2:458-460. Oct.1952. 421 B392

45298 HOLLOWAY, P. H. Seasonal change. Ent. Rec. & J. Variation 65:46-48. Feb.1953. 421 En89
Collecting.

45299 JORDAN, K. H. C. Nabis succini n. sp., eine Nabide aus dem bernstein Ostpreussens (Hemiptera Heteroptera). Beitr. z. Ent. 2:455-457. Oct.1952. 421 B392

45300 KRUSEMAN, G. Consideraciones entomológicas. Inst. Trop. de Invest. Cient. Comun. 4:5-10. Oct. 1952. 330.9 Sa3C

45301 MINNION, W. E. Whither M. V.? Ent. Rec. & J. Variation 65:34-36. Feb.1953. 421 En89
Mercury vapor lamps.

45302 OSBORN, H. A brief history of entomology, including time of Demosthenes and Aristotle to modern times; with over five hundred portraits. Columbus,Ohio, Spahr & Glenn,1952. 303 p. Ref. 422 Os1B

45303 PALMER, E. L. Some more water insects. Nat. Mag. 46:137-144. Mar.1953. 409.6 N214

45304 PANTIN, C. F. A. Flight-tone and wing-stroke frequency of insects. Nature [London] 171:225. Jan.31, 1953. 472 N21

45305 PAVLOVSKIĬ, E. N. Problems of zoological science in the light of resolutions of the 19th Congress of the Communist Party of the Soviet Union. (In Russian.) Zool. Zhur. 31:785-792. Nov./Dec.1952. 410 R92
Chiefly on entomology.

45306 RICHARDS, A. G. Some notes on the role of epidermis in insects and ticks. Ent. News [Philadelphia] 64:73-76. Ref. Mar.1953. 421 En88

45307 ROEDER, K. D., ed. Insect physiology. New York,Wiley,1953. 1100 p. Ref. 422 R62

45308 STANLEY, J. Studies from the autotrephon. I-II. Ecology 34:21-43. Jan.1953. 410 Ec7
Rearing insects under controlled conditions.

45309 YAGI, N. On fluorescent light trap. (In Japanese.) Jap. J. Plant Protect. 36:263-265. June 1952. 421 J27

GENERAL - ECONOMIC

45310 ANTHON, E. W. Stone fruit insect control recommendations for Washington. West. Fruit Grower 7(2):36-37. Feb.1953. 95.8 G762

45311 BACHMANN, F. Das mutmassliche auftreten der wichtigsten schädlinge am kernobst. Schweiz. Z. f. Obst- u. Weinbau 62:91-92. Mar.7,1953. 80 Sch9
Insect pests.

45312 BARBOSA, A. J. DA S. Brief notes on the entomological panorama of the 1951-52 cotton season. (In Portuguese.) Gaz. do Agr. 4:283-289. Nov.1952. 24 G25
Brazil.

45313 BEAR, P. K. Spraying with something old, something new. Grower [London] 39:375. Feb.21,1953. 286.83 M34
Fruit spraying for pest control.

45314 BERDENNIKOVA, C. P. Controlling leaf miner on ornamental plants. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:74-80. 1952. 451 M854
NIUIF-100, DDT and nicotine sulfate.

45315 BESS, H. A., SHERMAN, M., and MITCHELL, W. C. Household pests and their control. Hawaii. U. Agr. Ext. B. 58,24 p. Jan.1953. 275.29 H312E

45316 BISHOPP, F. C. Where do we stand on cotton insects? Cotton Gin & Oil Mill Press 54(6):44. Mar.14, 1953. 304.8 C822

45317 BRANNON, D. H. Dont let bugs keep your flowers out of the blue ribbon class. Wash. State Hort. Assoc. Proc. 48:123-126. 1952. 81 W273

45318 BURK, V. F., and JENKINS, L. Controlling garden insect pests. Mo. Agr. Col. Ext. Folder 6,rev., 4 p. Mar.1952. 275.29 M69FoL

45319 BUSH, R. The war against pests. Country Life [London] 113:486-487. Feb.20,1953. 80 C83
Insects.

45320 ČAMPRAG, D. The significance of determining the number of insects in soil. (In Serbo-Croatian.) Vojvodanski Poljoprivrejnik 8(15):15-18. Nov.1952. 21.5 V87

45321 CARVAJALINO JACOME, L. J. Un producto de trascendental importancia. Rev. Agr. y Ganad. 13 (154):8-9. Nov.1952. 9.4 R327
Pyrenone.

45322 CHENOWETH, M. O. Synergized insect control. Fruit & Veg. Rev. 14(12):28. Mar.1953. 80 C1224

45323 CHIAROMONTE, A. Materials for the revision and completion of the "Introduction to the Agricultural Entomology of Italian Somaliland." (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:338-341. Ref. Oct./Dec.1952. 26 Ag82
English summary.

45324 COCHRAN, J. H., and others. Peach pest control in South Carolina. Clemson Agr. Col. S. C. Ext. C. 360,rev.,16 p. Jan.1953. 275.29 So8E
R. J. Ferree, H. H. Foster, W. C. Nettles, and D. H. Petersen, joint authors.

45325 COTTERELL, G. S. Major pests of crops in Afghanistan: a preliminary note. Plant Protect. B. [Rome] 1:52-55. Jan.1953. 421 P692
Chiefly insects.

45326 COTTON insect control Supplement. Cotton Trade J. 33(8,sup.),12 p. Feb.20,1953. 72.8 C8214

45327 DAY, J. W. Poison on the land. Country Life [London] 113:267. Jan.30,1953. 80 C83
Insecticides and herbicides.

45328 DITMAN, L. P. New insecticides—descriptions and recommendations. Canning Trade 75(35):7-8. Mar. 16,1953. 286.83 T67
For vegetable crops.

45329 DUNNAM, E. W., CHAPMAN, A. J., and CARNS, H. R. Defoliation: promising aid in controlling insects. Cotton Gin & Oil Mill Press 54(6):89-90. Mar.14,1953. 304.8 C822

45330 EASTER, S. S. Infestation control in stored rice. Plant Protect. B. [Rome] 1:40-41. Dec.1952. 421 P692

45331 EDMONTON, W. E. Fifty years of pest war. Com. Grower 2983:418-419. Feb.26,1953. 80 F941

45332 ENDO, K. Some injurious insects of corn and their control. (In Japanese.) Jap. J. Plant Protect. 37/38:326-328. Aug.1952. 421 J27

45333 ENJOJI, S. Application of organic phosphorous insecticides for controlling garden pea leaf miner. (In Japanese.) Jap. J. Plant Protect. 36:276. June 1952. 421 J27

45334 FARRAR, M. D. Limitations of sprays and dusts partly overcome by application of granular insecticides. Agr. Chem. 8(3):131,133,135-137. Mar.1953. 381 Ag8

45335 FAVREAU, A. Les éleveurs n'ont pas les moyens de refuser ces $ supplémentaires. B. des Agr. 35(2):17,70. Feb.1953. 7 B872
Costs and returns from dairy cattle pest control in Canada.

45336 FJELDDALEN, J., and RAMSFJELL, T. Remedies against the most important pests and fungus diseases of vegetables and potatoes. (In Norwegian.) Kolonihagen 23:19-22. Feb.1953. 80 K83

45337 FORD, D. L. Application of insecticides by the ancients. Banana B. 16:12. Jan.1,1953. 93.42 B22

45338 FOSTER, L. R. High quality fruit hinges on effective pest control. West. Fruit Grower 7(2):31-32. Feb.1953. 95.8 G762
Oregon.

45339 FREEMAN, J. A. Grain infestation: problems of control. Milling 122:260,262,264. Mar.7,1953. 298.8 M622
Storage pests.

45340 FREEMAN, J. A. Insects and mites in stored grain. Essex Farmers' J. 31(11):23-24. Jan.1953. 10 Es72

45341 FULLAWAY, D. T. Biological control of insect pests in the Hawaiian Islands since 1925. Hawaii. Bd. Comnr. Agr. & Forestry. Rpt. 1952:98-105. 25 H314Re

45342 GAMAN, G. B. Method of obtaining high yields of seeds of perennial grasses and legumes. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1: 32-33. Jan.1953. 20 D742
Chiefly on airplane dusting of alfalfa with DDT and benzene hexachloride.

45343 GAPRINDASHVILI, N. K., and NOVITSKAIA, T. N. In regard to studying the action of organic phosphate insecticides on Entomophaga of pests of subtropical crops in Georgian SSR. (In Russian.) Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(12):11-15. Ref. 1952. 20 Ak1

45344 GEORGIA.DEPT. OF ENTOMOLOGY. Annual report, July 1, 1951 - June 30, 1952. Ga. Dept. Ent. B. 98,15 p. Dec.1952. 423 G29

45345 GLEN, R. Insects and agriculture. Agr. Inst. Rev. 8:11-13,36. Jan/Feb.1953. 7 Ag8
Control methods and utilization of beneficial insects.

45346 GOLZ, H. H. Organic phosphates must be used with care. West. Fruit Grower 7(2):35. Feb.1953. 95.8 G762
Insecticides.

45347 GUNDERSON, H. The PCO, the FDA and the grain sanitation program. Pest Control 21(3):9-10. Mar. 1953. 449.8 Ex8

45348 GUNDERSON, H., and LILLY, J. H. Pest and rodent prospects for 1953. Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:117-118. Jan.1953. 275.28 Io94

45349 GUPTA, B. D. A preliminary survey of sugarcane pests in Uttar Pradesh. Sugar Technol. Assoc. India,Proc. 21:148-154. 1952. 65.9 Su33P

45350 HATAI, N. Airplane applications of pesticides. (In Japanese.) Jap. J. Plant Protect. 41:400-402. Nov. 1952. 421 J27

45351 HATAI, N., and SUZUKI, T. Field tests on the method of pesticide application. (In Japanese.) Jap. J. Plant Protect. 37/38:301-303. Aug.1952. 421 J27

45352 HERVEY, G. E. R. Insect-free broccoli. Farm Res. [N. Y. State Sta.] 19:7. Jan.1953. 100 N48A
Effective insecticides.

45353 HEY, G. L. Advice on using PCPBS this season. Grower [London] 39:333-334. Feb.14,1953. 286.83 M34

45354 HOGAN, T. W. The chemical control of insects and mites. II. Properties of the synthetic organic insecticides. Victoria. Dept. Agr. J. 50:559-564. Dec.1952. 23 V66J

45355 IVY, E. E. Systemic insecticides. Cotton Gin & Oil Mill Press 54(6):85-86. Mar.14,1953. 304.8 C822

45356 JAMES, W. S. More about Systox. Fruit & Veg. Rev. 14(12):20. Mar.1953. 80 C1224

45357 JENKINS, L. How to know the apple insects. Mo. Agr. Col. Ext. C. 617,12 p. Apr.1952. 275.29 M69C

45358 JOHNSTON, H. G. Cotton insects can be profitably controlled. Cotton Gin & Oil Mill Press 54(6): 17-18. Mar.14,1953. 304.8 C822

45359 JOLY, R. Etat sanitaire des forêts pendant l'année 1952. Rev. Forest. Franç. 2:136-137. Feb.1952. 99.8 R329
Pests.

45360 JORDAN, C. R., and others. Cotton insect control. Ga. Agr. Col. Ext. C. 372,8 p.-folder. Mar.1953. 275.29 G29C

45361 KATO, M. Oil paper covered seed bed of rice plant and insect pests. (In Japanese.) Jap. J. Plant Protect. 34:162-165. Apr.1952. 421 J27

45362 KAWAI, S. Revision of the law of exterminating and preventing destructive forest insects and diseases and control schedules for 1952. (In Japanese.) Jap. J. Plant Protect. 36:241-246. June 1952. 421 J27

45363 KELSEY, J. M. New Zealand grown Pinus and insect attack. New Zeal. Ent. 1(2):4-5. Sept.1952. 421 N48

45364 KENNELLY, A. G. Garden friends and enemies. New Zeal. J. Agr. 86:57,59,61,63-64. Jan.15, 1953. 23 N48J
Control measures used against insect pests.

45365 KHRAMTSEV, N. N. Situation and nearest tasks of forest conservation. (In Russian.) Lesn. Khoz. 5(12):67-72. Dec.1952. 99.8 L5622
DDT and benzene hexachloride in pest control.

45366 KILL that bug. Farm Q. 8:44-47,126-132. Spring 1953. 6 F22995

45367 KIRCHBERG, E. Krankheitsübertragende und plageerregende Arthropoden in den Vereinigten Staaten. (Ergebnisse einer studienreise 1951. III). Z. f. Hyg. Zool. u. Schädlingsbekämpf. 40:202-217. July 1952. 449.8 Z36

45368 KLIMENKO, M. A. Study of benzene hexachloride and familiarization with its use. (In Russian.) Lesn. Khoz. 5(12):72-74. Dec.1952. 99.8 L5622

45369 KULKARNY, H. L. Insect pests of cruciferous & other allied vegetables. Indian Farming (n.s.)2(11):24-25. Feb.1953. 22 In283

45370 LEHKER, G. E., and DAVIS, J. J. Poultry lice and mites and other external parasites. Purdue U. Agr. Ext. B. 378,11 p. Nov.1952. 275.29 In2E

45371 LEWIS, J. M., and NETTLES, W. C. Tobacco insect control chart, South Carolina, 1953. Clemson Agr. Col. S. C. Ext. Inform. Card 82. Jan.1953. 275.29 So8I

45372 LIEBERMAN, F. V. Alfalfa insect control. Utah. State Agr. Col. Ext. M. S. 95,3 p. Feb.4,1953. 275.29 Ut1Ms

45373 LIMA. ESTACION EXPERIMENTAL AGRICOLA DE LA MOLINA. Entomologia agricola del Peru, by J. E. Wille. Ed. 2, rev. and enl. Lima,1952. 543 p. Ref. 423 L62

45374 LORBEER, H. B. Grower organization for citrus pest control. Calif. Citrog. 38:155,164,166-168. Mar.1953. 80 C125

45375 LOZOVOI, D. I. Laurocerasus officinalis and insects which damage it in Tbilisi. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):45-46. Ref. 1952. 511 M85

45376 MADSEN, H. F., and BORDEN, A. D. Insect damage to apricots; DDD as petal fall spray and parathion as properly timed May spray control fruit-feeding insects Calif. Agr. [Calif. Sta.] 7:4-5. Jan.1953. 100 C12Cag

45377 MADSEN, H. F. Insect outbreaks. West. Fruit Grower 7(2):9-10. Feb.1953. 95.8 G762

45378 MARCOVITCH, S. Observations on insect pests in Israel. Plant Protect. B. [Rome] 1:25-26. Nov.1952. 421 P692

45379 MARTINELLI TIZON, R. Los insecticidas orgánicos en el combate de las plagas de los insectos y su situación actual en el Perú. Almanaque Agropecuario del Perú 1:231-232,234-236. 1953. 9.8 AL6

45380 MARUCCI, P. E., and FORT, W. Z. Illustrated commentary on maggot, cherry fruitworm [Grapholitha packardi] and other blueberry insects. N. J. Agr. Expt. Sta. Cranberry-Blueberry Res. Lab. Annu. Blueberry Open House 21:11-15. Dec.5,1952. 94.35 N46A

45381 MESSENGER, K. The use of aircraft in controlling insects. Cotton Gin & Oil Mill Press 54(6):48. Mar.14,1953. 304.8 C822

45382 MILLIMAN, L. H. Pest control suggestions for 1953 are outlined. Better Fruit 47(8):9-10,22-29. Feb.1953. 80 B46

45383 NAKAZATO, Y. Calcium cyanide as a disinfectant. (In Japanese.) Jap. J. Plant Protect. 37/38: 313-315. Aug.1952. 421 J27

45384 NANDO, E. Let us also think of protecting fruit trees. (In Italian.) Avvenire Agr. 61:43-44. Feb. 1953. 16 Av9
Insect control.

45385 NETTLES, W. C. Garden and truck crop insects. Clemson Agr. Col. S. C. Ext. B. 102,rev.,40 p. Oct.1952. 275.29 So8F

45386 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Insect pests. Agr. Gaz. N. S. Wales 63:661-664. Dec.1952. 23 N472

45387 OLALQUIAGA FAURE, G., and CORTÉS P., R. Insectos que afectan el cultivo del trigo en Chile. Simiente 22:101-111. Ref. Jan./June 1952. 9.3 Si4
Includes discussion.

45388 O'NEILL, W. J., and HANTSBARGER, W. M. Apple and pear pest investigations. West. Fruit Grower 7(2):23-25. Feb.1953. 95.8 G762

45389 O'NEILL, W. J., and HANTSBARGER, W. M. Apple and pear insect investigations at the Tree Fruit Experiment Station. Wash. State Hort. Assoc. Proc. 48: 170-173. 1952. 81 W273

45390 PALMA, L. DE. Disinfestation and equipment under vacuum. (In Italian.) Rass. Chim. 4(6):13-17. Nov./Dec.1952. 385 R18

45391 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Los nuevos insecticidas orgánicos. Semana Vitivinic. 8(342):2-3. Jan.17,1953. 95.8 Se5

45392 PFANNENSTIEL, W. Uber lindane. Mühle 90:136-137. Ref. Mar.5,1953. 298.8 M89
For grain pests.

45393 PHILLIPS, G. L., and LATTA, R. The value of forced circulation in the fumigation of bulk commodities in freight cars. Down Earth 8(4):13-15. Spring 1953. 381 D75
Tests in cottonseed pest control.

45394 PIANKA, M. Research developments: Sytam, a new systemic insecticide. World Crops 5:117. Mar. 1953. 281.8 W892

45395 PLATE, H. P., and FROMMING, E. Die tierischen schädlinge unserer gewächshauspflanzen; ihre lebensweise und bekämpfung. Berlin,Duncker & Humblot, 1953. 288 p. Ref. 423 P693
Chiefly insects.

45396 PRICE, N. Ship and shore fumigation control and infestation from railcar to boat and mill. Canad. Milling & Feed 34(3):25-26. Mar.1953. 298.8 C162

45397 RAMPON. La lutte contre la vermine dans les basses-cours. Elevage et Cult. 5(49):8. Jan.1953. 24 EL2
Insects.

45398 REED, G. L., and others. An evaluation of five procedures for the determination of internal insect infestation of wheat. I-VI. Assoc. Off. Agr. Chem. J. 36: 138-159. Feb.15,1953. 381 As7
I, Berberine sulfate fluorescent stain for weevil egg plugs (in wheat and corn), by G. L. Reed, and K. L. Harris; II, Gelatinization in sodium hydroxide, by G. E. Keppel, and K. L. Harris; III, Buhler milling of the wheat, by J. F Nicholson, K. L. Harris, F. R. Smith, and M. G. Yakowitz; IV, Visual examination for insect exit holes, by J. F. Nicholson, J. C. Akers, K. L. Harris, and O. L. Kurtz; V, The use of X-rays, by J. F. Nicholson, M Milner, W H. Munday, O. L. Kurtz, and K. L. Harris; VI, Investigations on the X-ray inspection of wheat, by J. F. Nicholson, O. L. Kurtz, and K. L. Harris.

45399 REED, T. W. Question & answer session about TEPP insecticides. Co. Agent & Vo-Ag Teacher 9(3):24-25. Mar.1953. 275.28 N213

45400 RICHMOND, T. R. Future may give us insect resistance in cotton. Cotton Gin & Oil Mill Press 54(6): 28,30. Mar.14,1953. 304.8 C822

45401 RIVERO, J. M. DEL. Sobre los insecticidas fluorados orgánicos. Asoc. Nac. de Ingen. Agrón. B. 3 (33):7-10. Ref. Dec.1952. 58.9 As5
Chemistry.

45402 RUBTSOV, I. A. Breaks in the distribution of specialized entomophagous insects and their possible practical importance [in biological control]. (In Russian.) Vsesoiuzn. Ent. Obshch. Chteniia Pamiati Kholodkovskogo 1951:3-28. Ref. 1952. 420 V96

45403 SAFAR, R. Tierische und pflanzliche holzschädlinge im haus. Landwirtschaft 3/4:62-63. Feb.1953. 19 L235

45404 SASAMOTO, K. Application of DDT treated paper bags to peach for control of insect pests. (In Japanese.) Jap. J. Plant Protect. 41:414. Nov.1952. 421 J27

45405 SCHENK, P. J. Systemic insecticides. (In Dutch.) Groenten en Fruit 8:576-577. Feb.5,1953. 80 G89

45406 SCHWARDT, H H Freeing livestock of insects and diseases. (In Portuguese.) Fazenda 48(2):36-37. Feb.1953. 6 H11P

45407 SELLKE, K. Die wirkung von berührungsgiften auf verschiedene insektenarten und eine biologische methode zur quantitativen bestimmung von gamma-hexachlorcyclohexan in pflanzenschutzmitteln. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:201-207. Nov.1952. 464.9 N11

45408 SHARVELLE, E., and others. Pest control for Indiana fruits. Purdue U. Agr. Ext. B. 310,rev.,39 p. Feb.1953. 275.29 In2E
G. Lehker, R. Klackle, R. Shay, and C. L. Burkholder, joint authors.

45409 SHTEINBERG, D. M. Fundamental features of dendrophilous insect distribution in the Ural River Valley in connection with the possibility of their spreading into shelterbelts. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:111-125. Ref. 1952. 410.9 L543

45410 SMIT, B. The preservation of stored foods from insect attack in South Africa. So. African J. Sci. 49:211-214. Jan.1953. 515 So84
Grain.

45411 SWAIN, R. B. Insect problems in Nicaragua. Plant Protect. B. [Rome] 1:27-28. Nov.1952. 421 P692

45412 THIELMANN, K. Forstliche schädlingsbekämpfung und waldbiozönose. Allg. Forstz. 8:91-92. Feb.18,1953. 99.8 AL52

45413 TIRELLI, M. Treatment of tobacco with systemic insecticides. (In Italian.) Tabacco 56:355-361. Dec.1952. 69.8 T115

45414 TOMASI. Pflanzenschutz in Salzburg. Salzburger Bauer 8(6):6-7. Feb.5,1953. 19 Sa3
Insect and disease control.

45415 TOMLINSON, W. E. Some insect pests of New England trees. Natl. Shade Tree Conf. Proc. 28:85-88. 1952. 99.9 N218

45416 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine and inspection officials of the states, territories, District of Columbia, Canada, and Mexico. Washington?1953. 4 p. 1.967 D2P694

45417 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the French colonies Guadeloupe, Guiana, and Martinique; importation of cacao, coffee, and sugarcane plants authorized. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 465(sup.3),2 p. Jan.26,1953. 1.9 F73

45418 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of Switzerland. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 413,rev.(sup.2),1 p. Jan.23,1953. 1.9 F73

45419 U. S. MUTUAL SECURITY AGENCY. MISSION TO GREECE. Medical and sanitary data on Greece (based on a study made in Oct. 1947, by the Medical Intelligence Branch, Preventive Medicine Division, Office of the Surgeon General, U. S. Army). Rev. by Public Health Division. Washington,1952. 107 p. 173.2 M98M
Includes insects.

45420 USMAN, S., and RAJU, R. N. Some local practices prevalent in the Mysore State in the control of insect pests. Mysore Agr. J. 28:73-76. Oct./Dec.1952. 22 M993

45421 VEGA MACCHIAVELLO, J. A. Insecticidas de contacto desde el punto de vista químico. Almanaque Agropecuario del Perú 1:239-240. 1953. 9.8 AL6

45422 VEGA MACCHIAVELLO, J. A. Insecticidas modernos: para su aplicación es necesario conocer sus propiedades y los efectos tóxicos. Almanaque Agropecuario del Perú 1:241-243. 1953. 9.8 AL6

45423 VERGNAUD, H. Deux puissants nouveaux insecticides: aldrin et dieldrin. Agr. Prat. 117:27. Jan. 1953. 14 J82

45424 VESPIGNANI, A. Calcium polysulfide and other products in the winter spraying of peach trees. (In Italian.) Italia Agr. 90:69-78. Jan.1953. 16 It1
Pest control.

45425 WARD, J. For the best in pest control. Food Serv. 15(3):28,37. Mar.1953. 389.2538 F732

45426 WARE, H. G., and WARREN, A. G. Poultry parasites. Okla. Agr. Col. Ext. C. 417,11 p. n.d. 275.29 Ok41C
Ticks, fleas, lice, and internal parasites.

45427 WILEY, J. S., and STEPHENS, P. A. Insect and rodent control in epidemics and disasters. Pub. Health Rpt. 68:334-337. Mar.1953. 151.65 P96

45428 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Insect control for Wisconsin in 1953. Wis. Agr. Col. Ext. Stencil C. 287,rev.,18 p. Jan.1953. 275.29 W75B

45429 WOODHAMS, G E. Modern garden pest control. Fuchsia Fan 13(2):10-11. Feb.1953. 96.532 F952
Mainly insecticides.

45430 WOODSON, W. D. Insect commandos aid the orchard. Nat. Hist. 62:113-117. Mar.1953. 500 N483J

45431 WYSONG, N. B. Midwestern shade tree conference considers control methods for forest insect pests. Agr. Chem. 8(3):105,113. Mar.1953. 381 Ag8

45432 ZELL. Vorbeugen ist besser als heilen. Hess. Obstbau 8:8-9. Jan.1953. 80 G1932
Insect pests.

INSECTICIDES

45433 BEROZA, M. Alkaloids from Tripterygium wilfordii Hook. The structure of wilforine, wilfordine, wilforgine and wilfortrine. Amer. Chem. Soc. J. 75:44-49. Jan.5,1953. 381 Am33J

45434 BEROZA, M. Differential multicomponent spectrophotometry; spectrophotometric method for determination of benzyl benzoate and N-butyl acetanilide in clothing impregnant M-1960. Analyt. Chem. 25:112-115. Ref. Jan.1953. 381 J825A

45435 BEROZA, M. Microdetermination of carboxy groups in aromatic and aromatic-type heterocyclic acids. Analyt. Chem. 25:177-179. Jan.1953. 381 J825A

45436 CHAMBERLIN, H. R., and COOKE, R. E. Organic phosphate insecticide poisoning. A. M. A. Amer. J. Dis. Children 85:164-172. Feb.1953. 448.8 Am38

45437 COULTER, E., and CREERY, R. D. G. "Lethane" poisoning: report of a fatal case. Brit. Med. J. 4806:379. Feb.14,1953. 448.8 B77

45438 DEICHMANN, W. B., and RAKOCZY, R. Buscopan in treatment of experimental poisoning by parathion, methyl parathion, and systox. A. M. A. Arch. Indus. Hyg. & Occup. Med. 7:152-156. Feb.1953. 449.8 Ar24

45439 EDWARDS, M. G. Rate of extraction of ground pyrethrum flowers in contact with dilute miscellae. J. Sci. Food & Agr. 4:97-101. Feb.1953. 382 Sol2

45440 EYER, J. R., FAULKNER, L. R., and MCCARTY, R. T. The effect of toxaphene and DDT on geese in cotton fields. N. Mex. Agr. Expt. Sta. Press B., 1078,6 p. Jan.1953. 100 N465

45441 GODFREY, G. F., HOWELL, D. E., and GRAYBILL, F. Effect of lindane on egg production. Poultry Sci. 32:183-184. Jan.1953. 47.8 Am33P

45442 HIROSE, K. How to treat the data of insecticidal test. 6. (In Japanese.) Jap. J. Plant Protect. 34: 178-181. Apr.1952. 421 J27

45443 HISANAGA, M. Poisoning caused by organic phosphorus insecticide occured at Shizuoka Prefecture. (In Japanese.) Jap. J. Plant Protect. 36:247-248. June 1952. 421 J27

45444 ISHIKURA, H., and ISHII, S. Review of chemical and insecticidal properties of parathion. (In Japanese.) Jap. J. Plant Protect. 33:105-107. Mar.1952. 421 J27

45445 JOHNSTON, J. M. Parathion poisoning in children. J. Ped. 42:286-291. Mar.1953. 448.8 J8291

45446 KAY, K., and BALL, W. L. A practical approach to the toxicological evaluation of insecticides and fungicides. (Abs.) Canad. Phytopath. Soc. Proc. 20:18. 1952,pub.1953. 464.9 C162

45447 KNOWLTON, G. F. Hazards to operators in handling and applying pest control materials. Utah. State Agr. Col. Ext. M. S. 94,4 p. Feb.4,1953. 275.29 Ut1Ms

45448 LUERS, H. Zum problem der resistenz gegenüber kontaktinsektiziden. Deut. Akad. der Wiss. Wiss. Ann. 1:506-514. Nov.1952. 509 D48W

45449 MISATO, A., and FUKUNAGA, K. Quantitative analysis of γ-BHC by partition chromatography. (In Japanese.) Jap. J. Plant Protect. 36:249-252. Ref. June 1952. 421 J27

45450 MITCHELL, R. T., BLAGBROUGH, H. P., and VANETTEN, R. C. The effects of DDT upon the survival and growth of nestling songbirds. J. Wildlife Mangt. 17: 45-54. Jan.1953. 410 J827

45451 MONTIAGUE, T., and TIMBOL, P. Dilution factors for locally grown tobacco varieties for use as insecticidal spray. Philippines. Bur. Plant Indus. Plant Indus. Digest 16:18-19. Jan.1953. 25 P544P

45452 ROMANO, E. Evaporation of chlorinated organic insecticides exposed to light. III. (In Italian.) Ann. della Sper. Agr. (n.s.)7:347-350. 1953. 16 An76 English summary.

45453 SHEEHAN, H. L., SUMMERS, V. K., and NICHOLS, J. D.D.D. therapy in Cushing's syndrome. Lancet 264:312-314. Feb.14,1953. 448.8 L22

45454 SOENEN, A. Toxicité des esters phosphoriques Agriculture [Paris] 17(142):23-25. Jan.1953. 14 Ag823 Danger from thiophosphates.

45455 STEARNS, C. R., and THOMPSON, W. L. Parathion can be used safely. Citrus Indus. 34(3):20,22. Mar.1953. 80 C49

45456 UEDA, K., and others. Some problems on toxicity of organic phosphorous insecticides to man. (In Japanese.) Jap. J. Plant Protect. 42:463-468. Dec. 1952. 421 J27
Y. Ishido, S. Sakaino, K. Takahashi, and Takada, joint authors.

45457 WRENCH, P. G. Parathion tests needed under varying local conditions of improved forms which reduce health hazards. Citrus News 27:170,179. Dec. 1952. 80 C494

45458 YAMAMOTO, T. Toxicities and antidotes of organic phosphorous insecticides. (In Italian.) Jap. J. Plant Protect. 34:170,169. Apr.1952. 421 J27

45459 YUASA, H. How to manage common names of agricultural chemicals. (In Japanese.) Jap. J. Plant Protect. 41:396-399. Nov.1952. 421 J27
Insecticides.

APICULTURE AND APIS MELLIFERA

45460 ALBER, M. A. The ancient craft of the Arabs. Brit. Bee J. 81:86-87. Feb.5,1953. 424.8 B77

45461 ALTMANN, G. Hormonale regelung des wasserhaushaltes der honigbiene. Z. f. Bienenforsch. 2: 11-16. Jan.1953. 424.8 Z3

45462 ANDERSON, E. J. Inexpensive honey house equipment. Pa. Agr. Expt. Sta. B. 540(sup.3):6. June 1952. 100 P381

45463 ANDREU, E. L'apiculture en Algérie. Gaz. Apic. 54(553):12-13. Jan.1953. 424.8 G25

45464 APPERT-COLLIN, H. Le nourrissement stimulant. Rucher Wallon 15:16-17. Jan./Feb.1953. 424.8 R824

45465 BABICH, I. A. From the practices in efficient wintering of honeybees. (In Russian.) Pchelovodstvo 29 (11):43-45. Nov.1952. 424.8 P295

45466 BAERØY, S. Queen brood in honeycombs and other abnormalities. (In Danish.) Birøkteren 69:23-24. Feb.1953. 424.8 B53

45467 BAILEY, L. Effect of fumagillin upon Nosema apis (Zander). Nature [London] 171:212-213. Jan.31,1953. 472 N21

45468 BALTZRUD, K. Working bees and drone eggs. (In Norwegian.) Birøkterne 69:22-23. Feb.1953. 424.8 B53

45469 BERICHTE über das bienenjahr 1952. 2. Niedersächs. Bienenfr. 12:313-318. Dec.1952. 424.8 N552

45470 BITTNER, A. Einsperrung von bienen während der durchführung von schädlingsbekämpfungsmassnahmen. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:52-54. Ref. Feb./Mar.1952. 464.9 N11

45471 BONE, D. John Geddy and the transparent octagon hive. Brit. Bee J. 81:40-42. (Cont.) Jan.15,1953. 424.8 B77

45472 BONE, D. John Geddy and the transparent octagon hive. Brit. Bee J. 81:59-60. (Cont.) Jan.22,1953 424.8 B77

45473 BONE, D. John Geddy and the transparent octagon hive. Brit. Bee J. 81:93-94. (Cont.) Feb.5,1953. 424.8 B77

45474 BONE, D. John Geddy and the transparent octagon hive. Brit. Bee J. 81:108-109. (Cont.) Feb.12, 1953. 424.8 B77

45475 BONE, D. Some early records of the tiered or supered hive. Canad. Bee J. 61(2):15-17. Feb.1953. 424.8 C16

45476 BRAUN, E., and GEIGER, J. E. Perte de poids en hiver et facteurs entrant en cause (résultats d'expériences de dix ans, 1935-1946). II. Abeille et l'Erable (ser. 2)22:26-28. Feb.1953. 424.8 Ab32

45477 BRAUN, E., and GEIGER, J. E. Pertes dans les colonies durant l'hiver et facteurs entrant en cause; (résultats d'expériences effectuées durant dix années, 1935-1946). I. Abeille et l'Erable (ser.2)22:12-16. Jan. 1953. 424.8 Ab32

45478 BROKER, W. Vom zucker und seiner anwendung in der imkerlichen praxis. 1-2. Niedersächs. Bienenfr. 1:6-7; 2:38. Jan.-Feb.1953. 424.8 N552
Pt. 2 has title: Zuckerrübensaft und zuckerrubensirup.

45479 BRUCKNER, F. Bessere königinnen — mehr honig und mehr wachs. Osterr. Imker 3:9-10. Jan.1953. 424.8 Os7

45480 BULANKOVA, A. M. Youthful beekeepers. (In Russian.) Pchelovodstvo 29(11):28-30. Nov.1952. 424.8 P295

45481 BURNHAM, J. We need bees. Dakota Farmer 73(6):6,21. Mar.21,1953. 6 D14
Alfalfa pollination.

45482 CAILLAS, A. Le secret des bonnes récoltes; exposé des techniques employées par l'auteur dans son rucher d'expérience et de production; Bucy-bee à Bucy-Saint-Liphard (Loiret). Orléans,1952. 233 p. Ref. 424 C12S

45483 CLEMSON, A. A. Paralysis and nosema disease [of bees]. Agr. Gaz. N. S. Wales 63:665-666. Dec. 1952. 23 N472

45484 CLOUT, G. A. Acarine. 1. Bee Craft 35:6-7. Jan.1953. 424.8 B3925

45485 CLOUT, G. A. Acarine. II. Bee Craft 35:16-17. Feb.1953. 424.8 B3925

45486 DELPEREE, R. A propos du venin thérapeutique. Cour. Apic. Franç. 6(31):9. Jan./Feb.1953. 424.8 C832

45487 DIOSET. Réconciliation entre fixistes et mobilistes. Cour. Apic. Franç. 6(31):8. Jan./Feb.1953. 424.8 C832
On hive types.

45488 DOULL, K. M. The honey bee. I. Rur. Educ. B. 8:2-14. Feb.1953. 109 C162
Anatomy and physiology.

45489 DUMAS, C. G. Apiculture in early Texas. Dallas,1952. 259 p. 424 D89
Thesis (M.S.) - Southern Methodist University.

45490 ECKERT, J. E. Palletizing hives of bees. Gleanings Bee Cult. 81:150-151. Mar.1953. 424.8 G47

45491 EDWARDS, S. W. Bees for dual profit; start a bee colony to pollenize plants and provide invaluable food. Org. Gard. 21(2):14-15,38-40. Feb.1953. 56.8 Or3

45492 ERMISHIN, N. F. An outside feed box. (In Russian.) Pchelovodstvo 29(12):39-40. Dec.1952. 424.8 P295

45493 EVENIUS. Bienenzucht und pflanzenschutz. Deut. Landwirt.-Gesell. Mitt. 68:128-129. Feb.5,1953. 18 N39
Insecticides, herbicides, and growth substances.

45494 FERRER, J. F. Mis conocimientos prácticos sobre la abeja doméstica. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(198):36. Oct./Dec.1952. 8 R323
Habits of Apis mellifera.

45495 FISCHER, E. Eine praktische raubabwehr. Schweiz. Bienen-Ztg. 76:80-81. Feb.1953. 424.8 Sch9
Apis mellifera pests.

45496 FORISCOT, A. P. Temas apícolas: el establecimiento de colmenares. I. Avicult. Téc. 5:213. Dec. 1952. 47.8 Av57

45497 FORTUNE, M. S. Shipping bees and queens. Gleanings Bee Cult. 81:139-142. Mar.1953. 424.8 G47

45498 FREYMARK, E. Bienen und U 46. Niedersächs. Bienenfr. 11:296-297. Nov.1952. 424.8 N552
Poisoning.

45499 FRISCH, R. What qualities do we wish the bees to have? (In Norwegian.) Birøkteren 69:13-19. Feb.1953. 424.8 B53

45500 GADIENT-STEINER, J. Pollenmangel und pollenersatz. Schweiz. Bienen-Ztg. 76:82-83. Feb.1953. 424.8 Sch9

45501 GEHRIG, F. Ein beitrag zur frage "oberflugloch." Schweiz. Bienen-Ztg. 76:14-17. Jan.1953. 424.8 Sch9

45502 GHIDINI, G. M. L'ape [The bee]. Brescia, La Scuola,1952. 73 p. (Scienza e Lavoro; Collana di Divulgazione Scientifica) 424 G34

45503 GLUSHKOV, N. M. To introduce the achievements of science into collective and state farm apiaries. (In Russian.) Pchelovodstvo 29(11):14-20. Nov.1952. 424.8 P295

45504 GONTARSKI, H. Biologische erkenntnisse als grundlage der betriebsweise. Schweiz. Bienen-Ztg. 76: 84-87. Feb.1953. 424.8 Sch9

45505 GONTARSKI, H. Zur brutbiologie der honigbiene. Z. f. Bienenforsch. 2:7-10. Jan.1953. 424.8 Z3

45506 GOSPOSVETSKI, J. Let's reduce winter losses! (In Serbo-Croatian.) Slovenski Čebelar 54:249-250. Dec.15,1952. 424.8 SL5

45507 GREENWOOD, E. Frame proportions. Brit. Bee J. 81:106. Feb.12,1953. 424.8 B77

45508 HADLEY, P. Wild bee trees in the Ozarks. Mod. Beekeeping 37:17-18. Jan.15,1953. 424.8 B397

45509 HADULPHE, FRERE. Les abeilles. Abeille et l'Erable (ser.2)22:31. Feb.1953. 424.8 Ab32
Behavior.

45510 HAMMER, O. Is there any solution to the spray-poisoning problem? Bee World 34:43-48. Mar. 1953. 424.8 B399

45511 HIETT, A. D. Some bee problems. Mountaineer Grower 23(195):37-38. Feb.1953. 80 M86
Bee poisoning with parathion.

45512 HIGGINS, A. G. Survey of beekeeping in Yorkshire 1950. Yorkshire Beekeeper 3:90-93. Dec.1952. 424.8 Y8

45513 HODGSON, N. B. Feeding honey waste. Brit. Bee J. 81:102. Feb.12,1953. 424.8 B77

45514 HOFMANN, C. S. When and how to set bees out of a cellar. Gleanings Bee Cult. 81:148-149. Mar. 1953. 424.8 G47

45515 HUNKELER, M. Die rassenzucht im jahre 1952. Schweiz. Bienen-Ztg. 76:12-14. Jan.1953. 424.8 Sch9

45516 INTERNATIONAL UNION OF BIOLOGICAL SCIENCES. INTERNATIONAL COMMISSION FOR BEE BOTANY. Report, 1952, by A. Maurizio. Bee World 34: 48-51. Mar.1953. 424.8 B399

45517 IVANOV, A. Transportation of honeybees during the winter in a taiga locality. (In Russian.) Pchelovodstvo 29(12):36. Dec.1952. 424.8 P295

45518 KADESJO, S. The wintering problem again. (In Swedish.) Bitidningen 52:27-28. Feb.1953. 424.8 B54

45519 KENNERLY, A. B. Wanted: some good vetch farmers. Mod. Beekeeping 37:13-15. Jan.15,1953. 424.8 B397
Bees as pollinators.

45520 KIRBY, A. J. Government support for pollination service. Brit. Bee J. 81:45. Jan.15,1953. 424.8 B77

45521 KISELEV, N. V. Beekeeping in Ternopol Region. (In Russian.) Pchelovodstvo 29(11):20-22. Nov. 1952. 424.8 P295

45522 KLEEMANN, C. W. Die frühreizmethode. Niedersächs. Bienenfr. 2:43-44. Feb.1953. 424.8 N552
Apis mellifera nutrition.

45523 LEMAISTRE, W. G. A good honey filter. Canad. Bee J. 61(2):10-11. Feb.1953. 424.8 C16

45524 LEOPOLD, O. Uralte bienenzucht in Frankreich. Osterr. Imker 3:2-3. Jan.1953. 424.8 Os7

45525 LEVENETS, I. P. Experiment in wintering honeybees in box-hives. (In Russian.) Pchelovodstvo 29 (11):39-42. Nov.1952. 424.8 P295

45526 LIPATOVA, TS. P. At a Ural apiary. (In Russian.) Pchelovodstvo 29(12):9-14. Dec.1952. 424.8 P295
Colony management.

45527 LUNDER, R., and HARDANG, A. Control stations for apiculture 1952. (In Norwegian.) Birøkteren 69:3-10. Jan.1953. 424.8 B53

45528 L'VOV, O. S. Factors which determine the place for cluster formation in the colony of honeybees in the autumn. (In Russian.) Pchelovodstvo 29(12):15-21. Dec.1952. 424.8 P295

45529 MACWHIRTER, G. D. Horizontal bee-keeping. Brit. Bee J. 81:88-89. Feb.5,1953. 424.8 B77

45530 MAINELLI, M. Pillaging of bees. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:20-22. Jan.1953. 16 C72

45531 MALLACH, N. Schädlingsbekämpfung mit chemischen mitteln und bienenzucht. Pflanzenschutz, Wiss. u. Wirt. 1,52 p. Ref. 1952. 464.8 P485

45532 MARCHI, R. DE. Factors which influence honey production. (In Italian.) Allevatore 9(6):5-6. Feb.8,1953. 49 AL55

45533 MENGHI, V. For the apiculturists of Italy. (In Italian.) Apic. Mod. 44:7-8. Jan.1953. 424.8 Ap39

45534 MEYER, H. Berufsimker und das wandergesetz. Niedersächs. Bienenfr. 2:58-60. (Cont.) Feb. 1953. 424.8 N552

45535 MIHELIC, S. Modern AZ-beehive. Grilled honey-comb and feeder. (In Serbo-Croatian.) Slovenski Čebelar 54:253-258. Dec.15,1952. 424.8 SL5

45536 MRYKIN, N. I. An alabaster hive. (In Russian.) Pchelovodstvo 29(12):22-23. Dec.1952. 424.8 P295

45537 MULLER, E. Unterstützungen des Osterreichischen Imkerbundes. Osterr. Imker 3:4-7. Jan.1953. 424.8 Os7

45538 NASENKOV, A. Apiculture of Nanaĭ District, Khabarovsk Territory. (In Russian.) Pchelovodstvo 29 (11):23-25. Nov.1952. 424.8 P295

45539 NEUMANN, D. Schwierigkeiten der leistungsprüfung. Niedersächs. Bienenfr. 1:15-16. Jan.1953. 424.8 N552
Honey production of Apis mellifera.

45540 NOLD, R. Merkwürdige erscheinungen bei meinem volk 16 und ihre deutung. Hess. Biene 88:239-242. Jan.1953. 424.8 B476
Lethal factor.

45541 NUSSDORFER, B. Dimension of honey-comb in the AZ-beehive. (In Serbo-Croatian.) Slovenski Čebelar 54:251-252. Dec.15,1952. 424.8 SL5

45542 NUZHDIN, A. S. Methods of strengthening honeybee colonies. (In Russian.) Pchelovodstvo 29(11): 53-58. Nov.1952. 424.8 P295

45543 OBYDENNOV, N. I. Treatment of European foulbrood with increased dosages of sodium sulfathiazole. (In Russian.) Pchelovodstvo 29(12):34. Dec.1952. 424.8 P295

45544 ONCKEN, W. Schnelle oder langsame auffutterung der bienenvölker im herbst. Niedersächs. Bienenfr. 11:290-291. Nov.1952. 424.8 N552

45545 ONCKEN, W. Der wintersitz der bienen. Niedersächs. Bienenfr. 1:17-19. Jan.1953. 424.8 N552

45546 PASHO, I. KH. Wintering of honeybees in the open in Leningrad Region. (In Russian.) Pchelovodstvo 29(12):35-36. Dec.1952. 424.8 P295

45547 PESCIO, M. El humo en el manejo de las colmenas. Campesino [Santiago] 84(12):11. Dec.1952. 9.3 So12

45548 PETELIN, S. Deception? of bees and winter. (In Serbo-Croatian.) Slovenski Čebelar 54:269-271. Dec. 15,1952. 424.8 SL5

45549 PIANA, G. P. A question to be resolved. (In Italian.) Apic. d'Italia 19:162-164. July/Aug.1952. 424.8 Ap372
Cell-size effect on bees.

45550 PISKOVOI, F. R. On protecting honeybees from poisoning. (In Russian.) Pchelovodstvo 29(12):31-32. Dec.1952. 424.8 P295

45551 RÅMAN, C. A. The thermometer in the apiary. (In Swedish.) Bitidningen 52:25-27. Feb.1953. 424.8 B54

45552 RAUTENBERG, H. J. Wert und wirtschaftlichkeit der verschiedenen heute üblichen betriebsmethoden. Niedersächs. Bienenfr. 1:13-15. Jan.1953. 424.8 N552
Apiculture.

45553 RECORDATI, A. Z. Italian apiculture in 1951. (In Italian.) Apic. d'Italia 19:155-160. July/Aug.1952. 424.8 Ap372

45554 RENKEN, W. Imker, zeichne deine königinnen? Niedersächs. Bienenfr. 2:45-46. Feb.1953. 424.8 N552

45555 RESHETNEV, P. T. Beekeeping in Arctic regions. (In Russian.) Pchelovodstvo 29(12):25-27. Dec. 1952. 424.8 P295

45556 ROTHAMSTED EXPERIMENTAL STATION. BEE DEPT. Report, 1951. Bee Craft 35:5. (Cont.) Jan. 1953. 424.8 B3925

45557 ROTHAMSTED EXPERIMENTAL STATION. BEE DEPT. Report, 1951. Bee Craft 35:18. (Cont.) Feb.1953. 424.8 B3925

45558 ROZE, A. M. Comb foundation with soldered in wire. (In Russian.) Pchelovodstvo 29(12):23-24. Dec. 1952. 424.8 P295

45559 ROZOV, S. A. Management of strong colonies in horizontal hives. (In Russian.) Pchelovodstvo 29(12): 42-48. Dec.1952. 424.8 P295

45560 RUFFIN, W. A. Tales about insects. Ala. Farmer 32(4):12. Jan.1953. 276.8 AL1
Apiculture.

45561 SANDEMAN, A. L. Introducing a valuable queen. Bee Craft 35:20. Feb.1953. 424.8 B3925

45562 SCHIPHOLT, A. H. L. Two years of Krainer queen breeding by the Heino Division and what happened before. (In Dutch.) Maandschr. v. Bijenteelt 55:30-31. Feb.1953. 424.9 V58

45563 SCHULZE-EVERDING. Aus der kulturgeschichte der westfälischen bienenzucht. Westfälischer Bauernkal. 1952:58-61. 18 W524

45564 SCHWEISHEIMER, W. Bee poison and other animals. Mod. Beekeeping 37:42-43. Feb.15,1953. 424.8 B397

45565 SCHWIEBERT, H. Betäubung des bien vor hundert jahren. Niedersächs. Bienenfr. 1:19. Jan.1953. 424.8 N552
History.

45566 SHCHEPETOVA, A. State farm beekeeping. (In Russian.) Pchelovodstvo 29(11):26-27. Nov.1952. 424.8 P295

45567 SIMONNET, H. Les reines vierges ouvrent de larges possibilités à l'apiculture. Gaz. Apic. 54:(553):14-15. Jan.1953. 424.8 G25

45568 SPIELMANN, O. 68. jahresbericht über die apistischen beobachtungsstationen pro 1952. Schweiz. Bienen-Ztg. 76:59-72. Feb.1953. 424.8 Sch9
Honey production.

45569 SYNZYNIS, B. Z. Apiculture in the area of the great projects of communism. (In Russian.) Pchelovodstvo 29(11):9-14. Nov.1952. 424.8 P295

45570 TEGTMEIER, R. Trachtaussichten. Niedersächs. Bienenfr. 11:288-290. (Cont.) Nov.1952. 424.8 N552

45571 TINSLEY, J. The rearing of queen bees. Beekeepers' Rec. 71:20-21. (Cont.) Feb.1953. 424.8 B398

45572 TUSCHHOFF, O. Stimmt das wirklich? Niedersächs. Bienenfr. 12:322-324. Dec.1952. 424.8 N552
Sugar as bee nutrition.

45573 VIALA, M. Les enterites non legalement contagieuses chez l'abeille adulte. Paris,Foulon,1952. 90 p. Ref. 424 V65
Thèse - Ecole Nationale Vétérinaire, Alfort.

45574 VOMSATTEL, M. Verbesserung der rendite durch "kampf dem verderb." Schweiz. Bienen-Ztg. 76: 73-77. Feb.1953. 424.8 Sch9
Apiary management.

45575 VYMORKOV, I. I. A leading collective farm apiary. (In Russian.) Pchelovodstvo 29(12):14-15. Dec. 1952. 424.8 P295

45576 WACHTERSHAUSER, W. Frühjahrspollen für 1953. Hess. Biene 88:243-244. Jan.1953. 424.8 B476

45577 WEDMORE, E. B. Swarm control. Bee Craft 35:5-6. Jan.1953. 424.8 B3925

45578 WILDER, W. M. E. The British standard frame. Brit. Bee J. 81:39. Jan.15,1953. 424.8 B77

45579 WILLSON, R. B. Beekeeping in Mexico. II. Gleanings Bee Cult. 81:143-146. Mar.1953. 424.8 G47

45580 WOLFE, E. A. The best hive lifter we have found. Mod. Beekeeping 37:29-30. Feb.15,1953. 424.8 B397

45581 WULFRATH, A., and SPECK, J. J. De la colmena antigua al lucrativo negocio de la colmena moderna. Tierra [México] 8:23-25,53-54. (Cont.) Jan. 1953. 8 T445

45582 YAMADA, I., and EBARA, K. Studies on the fertilization of red clover, Trifolium pratense, by bumble bees and honey bees. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Rpt. 45,33 p. Ref. Dec.1952. 107.6 N68N
English summary.

45583 ZHURAVLEV, V. ÎA. Practices of a district breeding apiary. (In Russian.) Pchelovodstvo 29(11):31-39. Nov.1952. 424.8 P295

ARACHNIDA, MYRIAPODA, ETC.

45584 ANTHON, E. W., and BURTS, E. Peach silver mite and its control. Wash. State Hort. Assoc. Proc. 48:37-38. 1952. 81 W273
Vasates cornutus.

45585 AUBRY, J., and MASSON, C. Contribution a la faune endogée du Sahara. Symphyles. Mus. Natl. d'Hist. Nat. B. (ser.2)24:368-370. July 1952. 410.9 P213

45586 BERLAND, L. Les mygales et leurs terriers. Nature [Paris] 3205:129-132. May 1952. 473 N21

45587 BOERO, J. J. Notas sobre acarologia. Rev. de Med. Vet. [Buenos Aires] 34:85-88. Apr./June 1952. 41.8 B86
English summary.
Ornithodoros rostratus, Oribatidae, and Rhipicephalus sanguineus as pests of animals in Argentina.

45588 BREGETOVA, N. G. New species of ticks of the genus Haemolaelaps (Gamasoidea, Laelaptidae) parasitic on rodents. (In Russian.) Zool. Zhur. 31:866-874. Ref. Nov./Dec.1952. 410 R92

45589 BRENY, R., and BOLLAERTS, D. Pediculoïdes ventricosus Newport, un acarien prédateur polyphage. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20: 23-32. Ref. 1952. 105.1 G285
English summary.

45590 DREES, O. Untersuchungen über die angeborenen verhaltensweisen bei springspinnen (Salticidae). Z. f. Tierpsychol. 9:169-207. Ref. Nov.1952. 410 Z35

45591 DUBININ, V. B., and BREGETOVA, N. G. Parasitic blood-sucking mites of vertebrates in Turkmenia. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 10:45-60. Ref. 1952. 410.9 L543

45592 DUFFEY, E. On a lycosid spider [Pirata uliginosus] new to Britain and two rare spiders taken near Oxford. Ann. & Mag. Nat. Hist. (ser.12)6:149-157. Ref. Feb.1953. 410 An77

45593 END, J. Delacan: ein deutsches antimilbinmittel. Niedersächs. Bienenfr. 12:325. Dec.1952. 424.8 N552

45594 FINCH, F. H. Soliloquies of a stockman; mainly concerning cattle tick and dipping. VII. Past. Rev. 63: 20-21. Jan.19,1953. 23 Au75

45595 FJELDDALEN, J. Veksthusspinnmidden [Red spider] (Tetranychus althaeae). Norway. Stat. Plantevern. Flygeskr. 44,ed.2,4 p. Nov.1952. 86 N83F

45596 FREZAL, P. L'acarien des bourgeons des citrus en Algérie. Rev. Agr. de l'Afrique du Nord 51:64-66. Jan.16,1953. 80 R326
Aceria sheldoni.

45597 FURMAN, D. P., and TARSHIS, I. B. Mites of the genera Myialges and Microlichus (Acarina: Epidermoptidae) from avian and insect hosts. J. Parasitol. 39: 70-78. Ref. Feb.1953. 448.8 J824

45598 GRANDJEAN, F. Observations sur les Palaeacaroïdes (Acariens). Mus. Natl. d'Hist. Nat. B. (ser.2) 24:360-367. July 1952. 410.9 P213
Stomacarus n. g.

45599 GREGOIRE, C. La gale des bovidés peut mettre toute l'étable à mal. Sillon Belge 23(546):1-2. Feb.7,1953. 13 Si3

45600 HACKMAN, W. Contributions to the knowledge of Finnish spiders. Soc. pro Fauna et Flora Fenn. Memo. 27:69-79. Ref. 1950/51,pub.1952. 511 H365Me
Includes Horcotes holmi n. sp.

45601 HACKMAN, W. A gynandromorph of the spider Troxochrus scabriculus Westr. Soc. pro Fauna et Flora Fenn. Memo. 27:67-69. 1950/51,pub.1952. 511 H365Me

45602 HACKMAN, W. Spiders collected by W. Hellén and N. E. Saris in Kilpisjärvi. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:65-67. 1950/51,pub.1952. 511 H365Me

45603 HACKMAN, W. Two interesting spider finds at Karlö. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:64-65. 1950/51,pub.1952. 511 H365Me
Agelena labyrinthica and Tarentula barbipes.

45604 HAMMEN, L. VAN DER. The Oribatei (Acari) of the Netherlands. Rmus. van Nat. Hist. Zool. Verhandel. 17,139 p. Ref. Sept.24,1952. 410.9 L59Z
Includes new species in Allogalumna, Parachipteria n.g., Chamobates, Metabelba, Trimalaconothrus, Malaconothrus, Synchthonius n.g., and Eobrachychthonius.

45605 HÄYREN, E. Eine beobachtung über reichliches tierleben auf algbedecktem meeresboden an der westküste Finnlands. Soc. pro Fauna et Flora Fenn. Memo. 27:90-91. Ref. 1950/51,pub.1952. 511 H365Me
Includes Arthropods.

45606 KHEĬSIN, E. M. Behavior of adult Ixodes persulcatus P. Sch. in relation to temperature and moisture of environment. (In Russian.) Zool. Zhur. 32:77-87. Ref. Jan./Feb.1953. 410 R92

45607 LAMB, K. P., and JACKS, H. Screening trials of acaricides for control of tomato russet mite (Phyllocoptes lycopersici Masee) in the glasshouse. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:327-334. Dec. 1952. 514 N48A

45608 LEVI, H. W. Observations on two species of pseudoscorpions. Canad. Ent. 85:55-62. Ref. Feb.1953. 421 C16
Chelifer cancroides and Lamprochernes minor.

45609 LIPOVSKY, L. J. Polyvinyl alcohol with lactophenol, a mounting and clearing medium for chigger mites. Ent. News [Philadelphia] 64:42-44. Feb.1953. 421 En88

45610 LOOMIS, R. B., and CROSSLEY, D. A. A new species [Trombicula trisetica] of chigger from eastern Kansas (Acarina, Trombiculidae). Kans. Ent. Soc. J. 26: 32-34. Jan.1953. 420 K13

45611 LUNDBLAD, O. Hydracarinen von den ostafrikanischen gebirgen. Arkiv f. Zool. (ser.2)3:391-525. Ref. 1952. 410.9 Sv22

45612 MAY, R. M. L'évolution des tardigrades de la vie aquatique à la vie terrestre. Nature [Paris] 3203: 91-94. Mar.1952. 473 N21

45613 MIHELCIC, F. Contribución al estudio de la ecologia de los tardigrados que habitan suelos de humus. II. An. de Edafología y Fisiol. Veg. 11:651-680. Nov./Dec.1952. 506 Sp12
English summary.

45614 NEHRING, K. Die bedeutung der milbenfrage in der futtermittelwirtschaft. Deut. Akad. der Landwirtwiss. Sitzber. 1(5),9 p. 1952. 18 D4825

45615 NUSSBAUMER, H. Bekanntmachung betreffs Mito A2. Osterr. Imker 3:2. Jan.1953. 424.8 Os7
Bee parasite control.

45616 PRECHT, H. Über das angeborene verhalten von tieren. Versuche an springspinnen (Salticidae). Z. f. Tierpsychol. 9:207-230. Ref. Nov.1952. 410 Z35

45617 RADFORD, C. D. A revision of the fur mites Myobiidae (Acarina). Mus. Natl. d'Hist. Nat. B. (ser.2) 24:371-381. (Cont.) July 1952. 410.9 P213
Calcarmyobia and Neomyobia new genera.

45618 REHN, J. W. H. The lone star tick [Amblyomma americanum] in Staten Island, New York (Acarina: Ixodidae). Ent. News [Philadelphia] 64:46. Feb.1953. 421 En88

45619 ROESLER, R. Die obstbaumspinnmilbe an reben Deut. Weinbau 8:37-38. Jan.20,1953. 390.8 W432
Metatetranychus ulmi.

45620 SACHS, H. Zur morphologie von Acarapis. III. Bau und funktion der beine von Acarapis woodi woodi Rennie 1921. Z. f. Bienenforsch. 2:1-7. Ref. Jan.1953. 424.8 Z3

45621 SANTOS, E. Considerations on the control of ticks. (In Portuguese.) Granja [Porto Alegre] 9(67):33. Oct.1952. 9.2 G76

45622 SHATAS, I. F. Ecological and faunistic description of Ixodidae ticks in Stalingrad and northern districts of Astrakhan Regions in connection with the new projects. (In Russian.) Zool. Zhur. 31:802-818. Ref. Nov./Dec.1952. 410 R92

45623 SOROKIN, S. V. Peculiarities of distribution of grain mites [Tyroglyphoidea] in nests of mice-like rodents on farm land. (In Russian.) Zool. Zhur. 32:60-76. Ref. Jan./Feb.1953. 410 R92

45624 SUITER, W. J. Strawberry mites [Tarsonemus pallidus]. Fruit & Veg. Rev. 14(12):21. Mar.1953. 80 C1224

45625 SUMMERS, F. M. Red spider mites [Tetranychidae] on almonds and peaches. West. Fruit Grower 7(2):19-20. Feb.1953. 85.8 G762

45626 TENDEIRO, J. Ixodidae of Portuguese Guinea. Key to the identification of ticks in Guinea. Lists of hosts and species. (In Portuguese.) Inst. de Med. Trop. An. 9: 195-263. Ref. Mar.1952. 448.9 L68
English summary.

45627 TOVSTOLES, T. A. Use of extract of onion flakes in control of cobweb mites. (In Russian.) Sad i Ogorod 12:67-68. Dec.1952. 80 Sa13

45628 TULLGREN, A. Zur kenntnis schwedischer spinnen. I. Ent. Tidskr. 73:151-177. 1952. 421 En891

45629 TURK, F. A. A synonymic catalogue of British Acari. II. Ann. & Mag. Nat. Hist. (ser.12)6:81-99. Feb. 1953. 410 An77

45630 UNSWORTH, K. The ixodid parasites of cattle in Nigeria, with particular reference to the northern territories. Ann. Trop. Med. & Parasitol. 46:331-336. Dec.1952. 448.9 L75A

45631 VIETS, K. Ergänzungen und berichtigungen in Hydrachnellae und Halacaridae (Acari) zu Neaves "Nomenclator zoologicus." Ent. Tidskr. 73:183-194. 1952. 421 En891

45632 VRIE, M. VAN DE. Difficulties and possibilities for the control of the fruit spider mite. (In Dutch.) Fruitteelt 43:122-124. Feb.7,1953. 86 N28

45633 WARD, G. W. Sheep dipping. Westralian Farmers Co-op Gaz. 23:245,247-249. Nov.1952. 280.28 W522
Control of keds and lice.

45634 WILLMANN, C. Parasitische milben an kleinsäugern. Z. f. Parasitenk. 15:392-428. Ref. 1952. 442.8 Z33F

45635 ZAKHVATKIN, A. A. Evolution and morphological bases of a system of mites [Acarina]. (In Russian.) Vsesoiuzn. Ent. Obshch. Chteniia Pamiati Kholodkovskogo 1951:53-65. Ref. 1952. 420 V96

COLEOPTERA

45636 ARNOL'DI, L. V. General review of the beetles of the middle and lower course of Ural River region, their ecological distribution and economic importance. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:44-65. 1952. 410.9 L543

45637 BASILEWSKY, P. Sur quelques Coleoptéres Carabidae de Fernando Poo. Eos 28:233-248. Apr./Sept. 1952. 421 Eo7
Includes new genus Paracoryza; new species in Metalebia and Egadroma.

45638 BESUCHET, C. Larves et nymphes de Plectophloeus (Col. Pselaphidae). Schweiz. Ent. Gesell. Mitt. 25:251-256. Oct.20,1952. 420 Sw6

45639 BLACKBURN, N. D., and STIVERS, J. O. Spittlebug [Cercopidae] spray treatments fail to control root borers [Hylastinus obscurus]. Pa. Agr. Expt. Sta. B. 540(sup.3):7-8. June 1952. 100 P381

45640 BOLLOW, H., and BRANDT, H. Käfer (Coleoptera). I-III. Natwiss. Grundbegriffe f. die Landbauliche Praxis. Zool. Reihe 22,8 p.; 23,4 p.; 24,8 p. 1952. 410 N2127
I, III, by H. Bollow; II, by H. Brandt.

45641 BOLLOW, H. Stärkeres auftreten des getreidehähnchens (Lema) in Bayern. Pflanzenschutz 4:108-110. Sept.1952. 464.8 P48

45642 BONNEMAISON, L. Méthodes de lutte à appliquer contre le charançon des siliques (Ceuthorrhynchus assimilis Payk). Acad. d'Agr. de France. Compt. Rend. 38:759-764. Dec.3/17,1952. 14 P215Bc

45643 BRANDT, H. Käfer (Coleoptera). IV. Natwiss. Grundbegriffe f. die Landbauliche Praxis, Zool. Reihe 25, 6 p. In Pflanzenschutz 4(9). Sept.1952. 464.8 P48

45644 BRAUNS, A. Scheckiger pochkäfer als schädling in fachwerkhäusern. Norddeut. Holzwirt. 7(12): 4. Jan.27,1953. 99.82 N75
Xestobium rufovillosum in wood.

45645 BROKER, W. Kartoffelkäferbekämpfung ohne bienenvergiftung. Niedersächs. Bienenfr. 2:48. Feb. 1953. 424.8 N552
Leptinotarsa decemlineata.

45646 BRUCE, N. Revision der im Deutschen Entomologischen Institut befindlichen Hapalips-arten (Coleoptera: Cryptophagidae). Beitr. z. Ent. 2:461-473. Oct. 1952. 421 B392
Includes new species.

45647 BRUNDIN, L. Acrotona-studien (gattung Atheta, Col., Staphylinidae). Ent. Tidskr. 73:129-145. (Cont.) Ref. 1952. 421 En891
Includes new species.

45648 BUCK, F. D. Otiorrhynchus sulcatus F. (Col. Curculionidae) eating Sedum pachyphyllum Rose. Ent. Gaz. 4:12. Jan.1953. 421 En834

45649 BYTINSKI-SALZ, H. Two important tree borers in Israel. Plant Protect. B. [Rome] 1:38-39. Dec. 1952. 421 P692
Batocera rufomaculata and Phoracantha semipunctata.

45650 CLEMENT, L. L'opération hanneton dans le départment de l'Aisne en 1952. Culture 39:13-15. Nov./Dec.1952. 14 C894
Melolontha control.

45651 CLEU, H. Les fibres de soies végétales attaquées par Dermestes lardarius L. (Col. Dermestidae). Soc. Ent. de France. B. 57:143-144. 1952. 420 F84B

45652 COLAS, G. Une sous-espèce nouvelle de Ceuthosphodrus oblongus Dej. (Col. Carabidae). Soc. Ent. de France. B. 57:133. 1952. 420 F84B

45653 CROWSON, R. A. The classification of the families of British Coleoptera. Ent. Mon. Mag. 89:49-59. (Cont.) Mar.1953. 421 En86
Includes new families Inopleplidae and Cononotidae.

45654 DAME. Der buchenprachtkäfer, ein besorgniserregender schädling. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1357-1358. Aug.28,1952. 18 L2346
Agrilus viridis.

45655 DELMAS, H. G., and THERMES, R. Essai de lutte chimique contre le capnode [Capnodis tenebrionis] adulte. Fruits 8:53-67. Feb.1953. 80 F9492

45656 DESCARPENTRIES, A. Les Scarabées Goliaths. Nature [Paris] 3203:70-71. Mar.1952. 473 N21

45657 DURAN M., L. Aspectos ecológicos de la biologia del San Juan verde. (Sum.) Simiente 22:17-18. Jan./June 1952. 9.3 Si4
Hylamorpha elegans.

45658 ĐURKIĆ, J. Contribution à la connaissance de la biologie et des mesures de lutte contre Omophlus. Lepturoides F. (In Serbo-Croatian.) Zaštita Bilja 12: 3-17. Ref. 1952. 464.8 Z1
French summary.

45659 EBBE-NYMAN, E. Rapsjordloppan Psylliodes chrysocephala L. Bidrag till kännedom om dess biologi och bekämpning. The rape flea-beetle, Psylliodes chrysocephala L. Contributions to the knowledge of its biology and control. Sweden. Stat. Växtskyddsanst. Meddel. 63,103 p. Ref. 1952. 464.9 Sw3M
English summary.

45660 FILATOVA, T. I. Control of May beetle larvae in forest nurseries. (In Russian.) Les i Step' 4(10):71-72. Oct.1952. 99.8 L565
Melolontha.

45661 FLOROV, D. N. On the zoo-geographic importance of the permanent frozen state (May beetle [Melolontha hippocastani] in Eastern Siberia). (In Russian.) Zool. Zhur. 31:875-882. Nov./Dec.1952. 410 R92

45662 FROESCHNER, R. C., and MEINERS, E. P. The Languriidae and Erotylidae (Coleoptera) of Missouri with notes and keys. Kans. Ent. Soc. J. 26:18-25. Ref. Jan.1953. 420 K13

45663 GOŁĘBIOWSKA, Z. Investigations about the fighting against the corn-weevil (Calandra granaria L.) with the home-made and foreign insecticides. (In Polish.) Rocz. Nauk Roln. 59:243-258. Ref. 1952. 20.5 R59
English summary.

45664 GRANOVSKY, A. A. New insecticides control white grubs in strawberries. Minn. Farm & Home Sci. [Minn. Sta.] 10(2):7. Feb.1953. 100 M668

45665 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Flea beetles. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 109,rev.,4 p. Sept.1952. 10 G79La

45666 GROSSLIGHT, J. H., and TICKNOR, W. Variability and reactive inhibition in the meal worm [Tenebrio molitor] as a function of determined turning sequences. J. Compar. & Physiol. Psychol. 46:35-38. Feb.1953. 410 J822

45667 HAARLØV, N., and PETERSEN, B. B. Measurements of temperature in bark and wood of Picea sitchensis with special regard to the temperature in galleries of Hylesinus (Dendroctonus) micans. (In Danish) Denmark. Forstl. Forsøgskomm. Forstl. Forsøgsvaes. i Danmark 21:43-91. Ref. 1952. 99.9 D41
English summary.

45668 HAMILTON, C. C. Tests develop sure weapon against black vine weevil [Brachyrhinus sulcatus]. Florists Exch. 120(11):17,54-55. Mar.14,1953. 80 F666

45669 HEQVIST, K. J. Beiträge zur kenntnis der käferlarven. I. Ent. Tidskr. 73:228-230. 1952. 421 En891
Chrysanthia viridissima.

45670 HINCKS, W. D. Passalidae (Col.) from Sumba, Flores and Timor. Natforsch. Gesell. in Basel. Verhandl. 63:307-309. Dec.12,1952. 508 B29

45671 HODGSON, E. S. Collection and laboratory maintenance of Dytiscidae (Coleop.). Ent. News [Philadelphia] 64:36-37. Feb.1953. 421 En88

45672 HOFFMANN, A. Curculionides inédits de Nord de l'Afrique. Soc. Ent. de France. B. 57:134-143. 1952. 420 F84B
In Kocheriana n.g., Cathormiocerus, Trachyphloeus, Strophosomus, Sitona, Ceutorhynchus, Bagous, Thaenellus [i.e. Theanellus?] Pachytychius, Tychius and Apion.

45673 HOPF, M. Schwarzfleckenkrankheit des kartoffelkäfers [Leptinotarsa decemlineata] durch Beauveriabefall. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 6:96-97. May 1952. 464.9 N11

45674 HOY, J. M. Note on the occurrence of nematodes in larvae of Odontria zealandica White. New Zeal. Ent. 1(2):5-6. Sept.1952. 421 N48

45675 HUNTER, F. A. Collecting notes on cerambycid Coleoptera, 1952. Ent. Rec. & J. Variation 65:60-63. Feb.1953. 421 En89

45676 ISAEVA, A. IA. Onion snout beetle and measures for its control. (In Russian.) Sad i Ogorod 11:57-59. Nov.1952. 80 Sa13

45677 JANSSON, A. Coleopterological contributions. 41-42. (In Swedish.) Ent. Tidskr. 73:244-247. 1952. 421 En891

41, Mass occurrence of Lathridius constrictus Gyll.; 42, Bohemiellina paradoxa found again in Sweden.

45678 JENKINS, C. F. H. Fuller's rose weevil (Pantomorus godmani Crotch). West. Austral. Dept. Agr. J. (ser.3)1:813-817. Nov./Dec.1952. 23 W52J

45679 JENKINS, L., and BURK, V. F. Bean beetle control. Mo. Agr. Col. Ext. Folder 18,4 p. Feb.1952. 275.29 M69FoL

Cerotoma trifurcata and Epilachna varivestis.

45680 KARSLIOGLU, S. Experiments with insecticides against Anisoplia sp. in Polatli and its vicinity and the results obtained. (In Turkish.) Bitki Koruma B. 4:29-37. Oct.1952. 464.8 B54

English summary.

45681 KNOWLTON, G. F. Controlling the pea weevil [Bruchus pisorum]. Utah. State Agr. Col. Ext. C. 175,2 p. Jan.1953. 275.29 Ut1

45682 KONIG, E. Bockkäfer. Norddeut. Holzwirt. 7(23):4. Feb.21,1953. 99.82 N75

45683 KOURMOUSSIS, A. G. Rapport sur les travaux de lutte contre le Sitona limosus Rossi, ennemi des légumineuses dans la Morée. Inst. Phytopath. Benaki. Ann. 6:23-31. Ref. 1952. 464.9 At4

45684 KOVACEVIC, Z. Ökologie des buchdruckers (Ips typographus L.) und versuche seiner bekämpfung mit chemischen mitteln. (In Serbo-Croatian.) Glasnik za Sumske Pokuse 10:63-104. Ref. 1952. 99.1 Z1

German summary.

45685 KOVACEVIC, Z. Quelques renseignements sur le vol du hanneton en Croatie. (In Serbo-Croatian.) Zaštita Bilja 12:30-42. 1952. 464.8 Z1

French summary.

Melolontha melolontha.

45686 KOZLOFF, E. N. The morphogenesis of Pyxinia crystalligera Frenzel, a gregarine parasite of Dermestes vulpinus Fabr. J. Morph. 92:39-78. Ref. Jan.1953. 444.8 J826

45687 KUTHE, K. Kann die kartoffelkäferbekämpfung weiter verbilligt werden? Nachrbl. des Deut. Pflanzenschutzdienstes 4:161-166. Nov.1952. 442.9 B832

45688 LANDIN, B. O. Harpalus autumnalis Dft. in Sweden (Col. Carab.). (In Swedish.) Ent. Tidskr. 73:146-150. 1952. 421 En891

German summary.

45689 LAULAN, R. La vrillette [Anobium] des bibliothèques. Nature [Paris] 3204:109-110. Apr.1952. 473 N21

45690 LENGERKEN, H. VON. Der mondhornkäfer und seine verwandten. Neue Brehm-Bücherei 58,57 p. 1952. 409 N392

Copris species.

45691 LOWIG, E. Der speisebohnenkäfer [Acanthoscelides obtectus] eine ernste gefahr für die lagerbestände. Saatgut-Wirt. 5:6-8. Jan.1953. 61.8 Sa1

45692 LUGINBILL, P., and CHAMBERLIN, T. R. Control of common white grubs in cereal and forage crops. U. S. D. A. Farmers' B. 1798,rev.,14 p. Feb. 1953. 1 Ag84F

45693 LUTTMER, F. Hausbock—die grosse gefahr für unsere gebäude. Landwirtbl. Weser-Ems 100:169. Feb.12,1953. 18 L2345

Wood-destroying beetles.

45694 MACANDREWS, A. H. Prevention and control of ambrosia beetle damage to wind thrown timber. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 10:4-5. Feb.1953. 99.9 So13N

45695 MACHATSCHKE, J. W. Beiträge zur kenntnis des genus Mimela Kirby (Coleoptera: Scarabaeidae, Rutelinae). I. Beitr. z. Ent. 2:333-369. Ref. Oct.1952. 421 B392

45696 MELIS, A., and MARINARI, A. New contribution to a study of control of the sugar beet beetle (Temnorrhinus mendicus Gyll.) (In Italian.) Indus. Sac. Ital. 45: 410-422. Nov./Dec.1952. 65.8 In23

45697 MIRE, P. B. DE. Coléoptères Carabiques endémiques ou d'origine tropicale de la région du Sous (Maroc méridional). Soc. Ent. de France. B. 57:130-133. 1952. 420 F84B

Includes a new species in Dyschirius.

45698 MURBACH, R. Infestation du trèfle violet en Suisse romande par Bruchidius varius Ol. (Col. Bruchid.) Schweiz. Ent. Gesell. Mitt. 25:263-264. Oct.20,1952. 420 Sw6

45699 NIKITIUK, A. I. Predatory and parasitic insects as regulators of the damaging activity and spread of bark beetles in a coniferous forest. Communication II. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):40-44. Ref. 1952. 511 M85

45700 NOLTE, H. W., and FRITZSCHE, R. Untersuchungen über das vorkommen verschiedener Meligethes-arten auf raps. Beitr. z. Ent. 2:434-448. Ref. Oct.1952. 421 B392

45701 NOLTE, H. W. Untersuchungen zur bekämpfung der rapsschädlinge. I. Die wirkung von ester- und hexa-mitteln auf die larve des rapserdflohs (Psylliodes chrysocephala L.). Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:222-227. Dec.1952. 464.9 N11

45702 NYHOLM, T. Cercyon janssoni n. sp., eine neue Cercyon-art aus Schweden (Col., Hydrophilidae). Ent. Tidskr. 73:207-211. 1952. 421 En891

45703 NYHOLM, T. Zur kenntnis der Curculionidenfauna Schwedens. 3. Die schwedischen Acalyptus-arten. Ent. Tidskr. 73:219-227. Ref. 1952. 421 En891

45704 OCHS, G. Gyrinidae de El Salvador. (Resultado del viaje de exploración Dr. Adolf Zilch 1951 en El Salvador, 1). Inst. Trop. de Invest. Cient. Comun. 4:18-21. Oct.1952. 330.9 Sa3C

45705 OLESEN, J. Control of wireworms and other pests living in the soil. (In Danish.) Dansk Landbr. 72: 123-124. Mar.5,1953. 280.28 V91

45706 OLSON, H. Beetle rout in the Rockies. Audubon Mag. 55:30-32. Jan./Feb.1953. 413.8 B53

Woodpeckers in the control of Dendroctonus engelmanni

45707 ORLOWSKI, P. Über die spanische fliege. Apoth.-Ztg. 5:5-7. Jan.1953. 396.8 Ap4

Cantharidin, from Lytta vesicatoria.

45708 PADII, N. N. Use of benzene hexachloride for controlling cockchafer [Melolontha] larvae in a forest nursery. (In Russian.) Lesn. Khoz. 5(8):61-63. Aug. 1952. 99.8 L5622

45709 PALM, T. On two Staphylinidae found again in Sweden. (In Swedish.) Ent. Tidskr. 73:239-243. 1952. 421 En891

Quedius ventralis and Amarochara forticornis.

45710 PARK, O. New or little known pselaphid beetles of the United States, with observations on taxonomy and evolution of the family Pselaphidae. Chicago Acad. Sci. B. 9:249-283. Ref. Jan.16,1953. 500 C43B

Includes new tribe Valdiini; new genera Mipseltyrus and Prespelea; new subgenus and species in Pselaptrichus.

45711 PIC, M. Coléoptères nouveaux de Fernando-Poo. Inst. Franç. d'Afrique Noire. B. 15:152-170. Jan. 1953. 515 D14

New species in Lycus, Adoceta, Stadenus, Cautires, Silidius, Microstygmatium, Gyponyx, Xenogena, Derolagria, Cryptocephalus, Coenobius, Micromenius n.g., Menius, Paraivongius, Pseudocolaspis, Colasposoma, and Dicolectes; new sp. and sgen. in Lopholagria.

45712 REDLINGER, L. M., and others. Evaluation of fumigants for shelled corn. U. S. Bur. Ent. & Plant Quar. E-855,11 p. Mar.1953. 1.9 En83

B. R. Wilson, R. T. Cotton, and H. H. Walkden, joint authors.

Control of weevils in stored corn.

45713 RIECK, W., and VITE, P. Beobachtungen über den kleinen fichtenzapfennagekäfer Ernobius abietis F. (Col., Anobiidae). Forstwiss. Centbl. 72:28-37. Ref. Jan./Feb.1953. 99.8 F775

45714 SAVARY, A. Présence d'un important foyer de Melolontha hippocastani F. en Suisse romande. Schweiz. Ent. Gesell. Mitt. 25:268. Oct.20,1952. 420 Sw6

45715 SCHENK, P. J. Pine beetles. (In Dutch.) Zaad-, Bloem- en Bollenwereld 16:440-441. Nov.1952. 31.8 Z12

Myelophilus piniperda and M. minor.

45716 SCHNEIDER, F. Auftreten und ovarialentwicklung der maikäfer Melolontha vulgaris F., M. hippocastani F. und M. hippocastani v. nigripes Com. an der alpinen verbreitungsgrenze im hinterrheintal. Schweiz. Ent. Gesell. Mitt. 25:111-130. Ref. May 15,1952. 420 Sw6

45717 SCHWENBER O., O. Estudio fototropismo del Hylamorpha elegans Burm y Brachysternus prasinus Guer. (Sum.) Simiente 22:18. Jan./June 1952. 9.3 Si4

45718 SCHWERDTFEGER, F. Weitere untersuchungen zur engerlingsbekämpfung mit gamma-mitteln auf der unbestockten kulturfläche. Allg. Forstz. 7:484-489. Ref. Nov.19,1952. 99.8 AL52

Melolontha.

45719 STEEL, W. O. On the identity of the British species hitherto known as Bledius denticollis [sic] (Col., Staphylinidae). Ent. Mon. Mag. 89:64. 1953. 421 En86

45720 STEPHAN. Der apfelblütenstecher [Anthonomus pomorum]. Bauer 6(3):14. Jan.17,1953. 19 B32
Austria.

45721 STEPHAN, F. Erfolg der schädlingsbekämpfung. Bauer 6(5):9-10. Jan.31,1953. 19 B32
Control of Leptinotarsa decemlineata.

45722 STRANEO, S. L. On Caelostomini (Coleopt. Carabid.) of Fernando Poo. (In Italian.) Eos 28:271-275. Apr./Sept.1952. 421 Eo7

45723 TADIC, M. D. The pear bud weevil [Anthonomus cinctus] biology in some orchard regions of P. R. of Serbia and Macedonia. (In Serbo-Croatian.) Zastita Bilja 12:52-69. Ref. 1952. 464.8 Z1
English summary.

45724 TAMURA, I. Some scarabaeid beetles attacking soy bean and grape. (In Japanese.) Jap. J. Plant Protect. 37/38:329-331. Aug.1952. 421 J27

45725 TAMURA, M. On the chemical control of the curculios (Curculionidae), feeding on tobacco leaves. (In Japanese.) Kyushu Noji Shikenjo 10:169-170. Sept.1952. 107.6 K996

45726 TELENGA, N. A. On the role of entomophagous insects in the mass outbreaks of insects. (In Russian.) Zool. Zhur. 32:14-24. Ref. Jan./Feb.1953. 410 R92
Stegobium paniceum chiefly.

45727 THEODORIDES, J. Note complémentaire sur l'allotrophie chez les Coléoptères. Feuille des Nat. (n.s.) 7:87-90. Ref. Nov./Dec.1952. 410 F432

45728 THEODORIDES, J. Les parasites et commensaux des Geotrupini (Coleoptera Scarabaeidae Geotrupinae). Riv. di Parassitol.13:277-298. Ref. Oct.1952. 436.8 R52
English summary.

45729 TOMFORDE, H. Der heideblattkäfer. Niedersächs. Bienenfr. 12:320. Dec.1952. 424.8 N552
Chrysomelidae.

45730 TOTTENHAM, C. E. Philonthus quisquiliarius Gyllenhal (Coleoptera: Staphylinidae) and its allies. Ann. & Mag. Nat. Hist. (ser.12)6:143-148. Feb.1953. 410 An77
Including new species.

45731 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The elm leaf beetle [Galerucella xanthomelaena]. U. S. D. A. L. 184,rev.,4 p. 1953. 1 Ag84L
Revision of earlier edition by C. W. Collins.

45732 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. 1952 Japanese beetle [Popillia japonica] trap-scouting and control activities. Washington,1953. 4 p. 1.9 En86D

45733 VOGEL, W. Vergleichende messungen an den fühlern der larven von Melolontha vulgaris F. und M. hippocastani F. Schweiz. Ent. Gesell. Mitt. 25:131-139. May 15,1952. 420 Sw6

45734 WATERHOUSE, D. F. Studies on the digestion of wool by insects. VII. Some features of digestion in three species of dermestid larvae and a comparison with Tineola larvae. Austral. J. Sci. Res. Ser. B, Biol. Sci. 5:444-459. Ref. Nov.1952. 442.8 Au72
Anthrenocerus australis, Anthrenus verbasci, and Attagenus piceus.

45735 WEAL, R. D. Prionus coriarius L. (Col. Prionidae), a teratological specimen. Ent. Gaz. 4:12. Jan.1953. 421 En834

45736 WEISS, H. B. Pseudocneorrhinus bifasciatus Roelofs extending its range in New Jersey (Col. Curculionidae). Ent. News [Philadelphia] 64:45-46. Feb.1953. 421 En88

45737 WICHMANN, H. E. Rindenbrüter und hallimasch. Forstwiss. Centbl. 72:57-63. Jan./Feb.1953. 99.8 F775
As sites of infection for fungus diseases.

DIPTERA

45738 ANDREWS, H. W. Flies at parsley blossom. Ent. Rec. & J. Variation 65:58-59. Feb.1953. 421 En80

45739 BEQUAERT, J. C. Hippoboscidae (Diptera) collected in Indonesia by the Sumba Expedition. Naturforsch. Gesell. in Basel. Verhandl. 63:218-220. July 30, 1952. 508 B29

45740 BEQUAERT, J. C. The Hippoboscidae or louse-flies (Diptera) of mammals and birds. I. Structure, physiology and natural history. Ent. Amer. (n.s.)32,209 p. 1952,pub.Feb.20,1953. 420 B792

45741 BISSELL, T. L. Heel flies [Hypoderma lineatum] and cattle grubs [Hypoderma bovis] are costly. East. Feed Merchant 4(4):40-42. Apr.1953. 389.78 Ea7

45742 BOLLOW, H. Ist die bekämpfung der fritfliege (Oscinella frit L.) mit chemischen mitteln möglich? Pflanzenschutz 4:107-108. Sept.1952. 464.8 P48

45743 BOLLOW, H. Körnerschäden an hafer durch die fritfliege (Oscinella frit L.) Pflanzenschutz 4:115-116. Oct.1952. 464.8 P48

45744 BOLLOW, H. Massenauftreten zweier bisher in Bayern unbeachteter getreidegallmücken-arten, der gemeinen und der orangegelben weizengallmücke (Contarinia tritici Kirby und Sitodiplosis mosellana (Geh.) Pflanzenschutz 4:99-102. Ref. Sept.1952. 464.8 P48

45745 BOLLOW, H. Stärkeres auftreten der sattelmücke (Haplodiplosis equestris Wagn.) in Bayern. Pflanzenschutz 4:110-111. Sept.1952. 464.8 P48

45746 BORCHERT, A. Die dasselfliegen des rindes: übersichtsreferat unter besonderer berücksichtigung der neueren literatur. Monatsh. f. Vetmed. 8:53-59. (Concl.) Feb.1,1953. 41.8 M742
Hypoderma.

45747 BÖTTCHER, H. Bekämpfung von kohlfliege [Hylemya brassicae] und drehherzmade [Contarinia nasturtii] mit modernen insektengiften. Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:92-94. May 1952. 464.9 N11

45748 BOUVIER, G., BURGISSER, H., and SCHNEIDER, P. A. Développement des larves de Cephenomyia stimulator Clark (Dipt. Calliphorid.) du chevreuil en Suisse. Schweiz. Ent. Gesell. Mitt. 25:265-267. Oct.20, 1952. 420 Sw6

45749 BRAUNS, A. Sind schnakenlarven immer nur schädlich? Gesunde Pflanzen 5:39-41. Feb.1953. 464.8 G33
Tipulidae.

45750 BRITTEN, H. A list of Staffordshire Diptera. II. No. Staffordshire Field Club. Trans. & Annu. Rpt. 86: 44-58. 1952. 501 N81

45751 CATCHESIDE, D. G. Genetic effects of radiations. In Haddow, A., ed. Biological hazards of atomic energy, p.47-55. Ref. Oxford,Clarendon,1952. 444 H119
Drosophila used as example.

45752 CHAGNON, G. Etudes préliminaires sur les Diptères du Québec. Montreal. U. Inst. de Biol. Gén. et de Zool. Contrib. 32,34 p. Ref. 1952. 410.9 M764

45753 CHERESHNEV, N. A. Something new about the stomach botfly with black antennae, Gastrophilus nigricornis Low. (In Russian.) Akad. Nauk SSSR. Dok. 88:169-172. Jan.1,1953. 511 P444A

45754 COLEMAN, R. W. A new blackfly species from California (Diptera, Simuliidae). Ent. Soc. Wash. Proc. 55:45-46. Feb.1953. 420 W27
Cnephia stewarti.

45755 DOBZHANSKY, T. Experimental evolution in Drosophila. Tex. J. Sci. 4:545-550. Dec.30,1952. 470 T31

45756 DODGE, H. R. Identifying common flies. Pub. Health Rpt. 68:345-350. Mar.1953. 151.65 P96

45757 DOWNES, J. A. The hippoboscid fly Crataerina pallida in Scotland. Scot. Nat. 64:166. Winter 1952. 410 Sco3

45758 EHRLICH, C. Bekämpft die dasselfliegenplage! Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 436. Mar.12,1953. 18 L2346
Hypoderma.

45759 ENIGK, K. Versuche zur bekämpfung des dasselbefalles [Hypoderma bovis] der rinder. Berlin. u. Münch. Tierärztl. Wchnschr. 66:49-53. Ref. Feb.15,1953. 41.8 B45

45760 FERREIRA, T. Mutual aspects of trypanosomiasis and the tsetse fly [Glossina morsitans] problem. (In Portuguese.) Inst. de Med. Trop. An. 8:171-274. Ref. June 1951. 448.9 L68
English summary.
Mozambique.

45761 FOX, R. M., and STABLER, R. M. Basilia calverti n. sp. (Diptera: Nycteribiidae) from the interior long-legged bat. J. Parasitol. 39:22-27. Feb.1953. 448.8 J824

45762 FRICK, K. E. The cherry or Rhagoletis fly is still with us; plan your 1953 fight now. Wash. State Hort. Assoc. Proc. 48:109-111. 1952. 81 W273
R. cingulata and R. fausta.

45763 FRICK, K. E. Some additions and corrections to the species list of North American Agromyzidae (Diptera). Canad. Ent. 85:68-76. Feb.1953. 421 C16

45764 GOLDSMITH, E. D. The ineffectiveness of cortisone acetate in preventing the toxicity of Aminopterin in the fruit fly, Drosophila melanogaster. (Abs.) Anat. Rec. 115:393. Feb.1953. 447.8 An1

45765 GOŁĘBIOWSKA, Z. A contribution to the investigation of the seasonal appearances of the frit-fly (Oscinella frit L.). (In Polish.) Rocz. Nauk Roln. 59: 259-272. 1952. 20.5 R59
English summary.

45766 GONZALEZ MENDOZA, R. Contribucion al estudio de las moscas Anastrephas en Colombia. Columbia. U. Nac. Facul. Nac. de Agron. Rev. 12:423-549. Ref. Nov.1952. 9.4 C717
English summary.

45767 HARDY, D. E. Dipteren von den Kleinen Sunda-Inseln aus der ausbeute der Sunda-Expedition Rensch. V. Bibionidae. Beitr. z. Ent. 2:425-434. Oct.1952. 421 B392
Text in English.
Includes new species in Bibio and Plecia.

45768 HARVEY, J. L. Factory inspection—the vinegar fly [Drosophila] problem—status of standards. (Excerpts.) Canning Trade 75(34):60-63. Mar.9,1953. 286.83 T67

45769 HERING, E. M. Trypetidae (Dipt.) von Sumba und Flores. Natforsch. Gesell. in Basel. Verhandl. 63: 41-48. July 30,1952. 508 B29
Includes new species in Paradacus, Cribrorioxa n. g., Pseudacidia, and Platensina.

45770 HOPKINS, C. A., and NICHOLAS, W. L. Culicoides austeni, the vector of Acanthocheilonema perstans. Ann. Trop. Med. & Parasitol. 46:276-283. Ref. Nov. 1952. 448.9 L75A

45771 JACKSON, C. H. N. A new specific character for tsetse-flies (Glossina) of the morsitans group. Ann. Trop. Med. & Parasitol. 46:218-219. Nov.1952. 448.9 L75A

45772 JAMES, M. T. The Diptera collected on the Cockerell and Hubbell Expeditions to Honduras. II. Asilidae. Wash. Acad. Sci. J. 43:46-57. Feb.1953. 500 W276J
Includes new species in Eicherax, Erax, Pachychoeta, Atomosia, Cerotainia, and Taracticus.

45773 JONES, E. W., and others. Experiments on control of the sugar-beet root maggot. Amer. Soc. Sugar Beet Technol. Proc. 7:490-496. 1952. 66.9 Am35
J. R. Douglass, C. P. Parrish, and V. Jensen, joint authors.
Tetanops myopaeformis.

45774 KEISER, F. Syrphidae (Dipt.) von Sumba, Sumbawa, Flores und Timor. Natforsch. Gesell. in Basel. Verhandl. 63:153-175. Ref. July 30,1952. 508 B29
Includes new species in Paragus, Epistrophe, Baccha, Eumerus, and Microdon.

45775 KIRK, R., and LEWIS, D. J. Some Ethiopian Phlebotominae. Ann. Trop. Med. & Parasitol. 46:337-350. Ref. Dec.1952. 448.9 L75A
Includes new species in Flebotomus.

45776 KUHL, R. Der stand der dasselbekämpfung [Hypoderma bovis] in der Bundesrepublik. Tierzüchter 5: 113-115. Mar.5,1953. 49 T445

45777 LOCKER, B. Parasites of bison in northwestern U. S. A. J. Parasitol. 39:58-59. Feb.1953. 448.8 J824
Includes Hypoderma species.

45778 MCKAY, K. V. Rotenone for control of cattle grubs. Calif. Cattleman,Mar.1953:10-11. 43.8 C12
Hypoderma.

45779 MAERCKS, H. Uber brauchbarkeit und dosierung einiger insektizider wirkstoffe für die winter- und spätbekämpfung von Tipula paludosa L. Nachrbl. des Deut. Pflanzenschutzdienstes 4:129-133. Sept.1952. 442.9 B832

45780 MEHLS, H. J., and REICHENBACH, M. Untersuchungen zur prophylaktischen dasselbekämpfung [Hypoderma bovis]. Tierärztl. Umschau 8:47-48. Feb. 1953. 41.8 T445

45781 MITJANS ESCALA, J. Experiencias en la lucha contra la "Ceratitis capitata" mosca de la fruta, en Begas (III zona agricola). Cam. Ofic. Sind. Agr. de Barcelona. B. 7:139-140. June 1952. 15 C14

45782 MONCHADSKII, A. S. Letaiushchie krovososushchie dvukrylye--gnus [Flying blood-sucking Diptera—gnats]. Moskva,Akademiia Nauk SSSR,1952. 65 p. Ref. (Akademiia Nauk. Zoologicheskii Institut. V. Pomoshch' Rabotaiushchim na Polezashchitnykh Lesnykh Polosakh i na Velikikh Stroikakh Kommunizma 16) 410.9 Ak12

45783 MYERS, K. Rhythms in emergence and other aspects of behaviour of the Queensland fruit-fly (Dacus (Strumeta) tryoni, Frogg.) and the Solanum fruit-fly (Dacus (Strumeta) cacuminatus, Hering). Austral. J. Sci. 15:101-102. Dec.1952. 475 Au72

45784 NAGASAWA, S. Some problems on rearing of test insects for insecticidal tests. 3. The rearing method of house fly by bean curd refuse. (In Japanese.) Jap. J. Plant Protect. 41:393-395. Nov.1952. 421 J27

45785 PEFFLY, R. L. Crossing and sexual isolation of Egyptian forms of Musca domestica (Diptera, Muscidae). Evolution 7:65-75. Mar.1953. 443.8 Ev62

45786 PFADT, R. E., and DEFOLIART, G. R. Control of sheep ked [Melophagus ovinus] by dusting. Wyo. Agr. Expt. Sta. Mimeog. C. 23,8 p. Nov.1952. 100 W99M

45787 PINTO, A. R. DA C. Report on the activities of the Mission for the Study and Control of Sleeping Sickness in Portuguese Guinea for the year 1951. (In Portuguese.) Inst. de Med. Trop. An. 9:265-293. Mar.1952. 448.9 L68
Contains information on Glossina in transmission of trypanosomiasis.

45788 RINGDAHL, O. Ubersicht der mir bekannten skandinavischen Pegohylemyia-arten (Diptera: Muscidae). Ent. Tidskr. 73:231-238. 1952. 421 En891

45789 RUBTSOV, I. A. Blood-sucking gnats [Simulidae] of the Ural River Valley. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:182-189. 1952. 410.9 L543

45790 SABROSKY, C. W. Chloropidae (Diptera) from the Island of Sumba. Natforsch. Gesell. in Basel. Verhandl. 63:215-217. July 30,1952. 508 B29

45791 SABROSKY, C. W. The scientific name of the screw-worm, with a note on Paralucilia fulvicrura (Diptera, Calliphoridae). Ent. Soc. Wash. Proc. 55:36-38. Feb.1953. 420 W27
Author believes correct scientific name of screw-worm is Callitroga hominivorax.

45792 SABROSKY, C. W. Two new species of Milichiidae, with miscellaneous notes on the family (Diptera). Ent. News [Philadelphia] 64:38-42. Feb.1953. 421 En88
In Eusiphona and Costalima new genus.

45793 SANTORO, R. Researches with organico-synthetic products in relation to olive fly (Dacus oleae), their parasites and other insects, performed in Ascea, Salerno, in 1951. (In Italian.) Ann. della Sper. Agr. (n.s.)7:31-62. 1953. 16 An76
English summary.

45794 SCHREIER, O. Uber auftreten und bekämpfung der zwiebelfliege (Hylemyia antiqua Meigen). Pflanzenschutzberichte 10:4-13. Ref. Jan.1953. 464.9 P48
English summary.

45795 SEBASTIAN, V. O. A case of natural adaptability of Anopheles larvae to sea-water. Cur. Sci. 22: 23. Jan.1953. 475 Sci23

45796 SHURA-BURA, B. L. On findings of naturally infected flies in the surroundings of dysentery sick. (In Russian.) Vsesoiuzn. Ent. Obshch. Chteniia Pamiati Kholodkovskogo 1951:29-52. Ref. 1952. 420 V96

45797 SKUF'IN, K. V. Ecology of Chrysops relictus Mg. (Diptera, Tabanidae). (In Russian.) Zool. Zhur. 31: 664-668. Ref. Sept./Oct.1952. 410 R92

45798 SNYDER, F. M. Notes and descriptions of some Ethiopian Muscidae (Diptera). Amer. Mus. Novitates 1608,21 p. Ref. Jan.28,1953. 500 N483N
Includes new species in Pectiniseta, Limnophora, Spilogona, Helina, Euspilaria and Mydaea.

45799 TATE, P. Prepupal moult in the blowfly (Calliphora erythrocephala). Nature [London] 171:341-342. Feb.21,1953. 472 N21

45800 THOMSON, A. G. Control of blow-flies; experiments with DDT powder at a London slaughter-house and a refuse depôt have resulted in an effective method being developed for the control of blow-flies. Food [London] 22(258):106-107,99. Mar.1953. 389.8 F738

45801 TOKUNAGA, C. Genetic studies on Aphiochaeta sp. IV. Genetic analysis of the peculiar Y chromosome derived from a reversion of the short arista mutant. (In Japanese.) Jap. J. Genet. 27:100-106. Aug. 1952. 442.9 J27
English summary.

45802 VOGEL, W. Die bekämpfung der kirschenfliege [Rhagoletis cerasi] im jahre 1953. Schweiz. Z. f. Obst- u. Weinbau 62:87-91. Mar.7,1953. 80 Sch9

45803 WILSON, H. G., ANDERS, R. S., and HUSMAN, C. N. Tests of several insecticides for the control of resistant house flies [Musca domestica]. U. S. Bur. Ent. & Plant Quar. E-854,9 p. Feb.1953. 1.9 En83

45804 YOTHERS, M. A., WESTLAKE, W. E., and BUTLER, L. I. Studies on deposits of insecticides used by growers against the cherry fruit fly (second report, 1951-1952). Wash. State Hort. Assoc. Proc. 48:213-214, 216-219. 1952. 81 W273
Rhagoletis cingulata.

45805 ZURECK, F. Uber das vorkommen von puppen der Drosophila-fliege in leeren milchflaschen. Molk.-Ztg. 7:213-214. Feb.26,1953. 44.8 M735

Culicidae

45806 AZUETA FLORES, V. Exploración sanitaria y terapéutica antipaludica actual en la villa de Nueva Italia de Ruíz, Michoacán. Medicina 33:49-60. Feb.10,1953. 448.8 M4693
Includes Anopheles as vector.

45807 DERRYBERRY, O. M. Health conservation activities of TVA. Pub. Health Rpt. 68:327-333. Mar. 1953. 151.65 P96
Includes control of Anopheles quadrimaculatus.

45808 GRIFFITHS, R. B., and GORDON, R. M. An apparatus which enables the process of feeding by mosquitoes to be observed in the tissues of a live rodent; together with an account of the ejection of saliva and its significance in malaria. Ann. Trop. Med. & Parasitol. 46:311-319. Ref. Dec.1952. 448.9 L75A

45809 HEDEEN, R. A. The biology of the mosquito Aedes atropalpus Coquillett. Kans. Ent. Soc. J. 26:1-10. Jan.1953. 420 K13

45810 HSU, S. C. Malaria control program in Taiwan. Chin.-Amer. Econ. Coop. 1(7):62-68. July 1952. 173.2 M98C
Includes Anopheles as vector.

45811 HUNNINEN, A. V. Comparative development of Plasmodium relictum oocysts in Anopheles quadrimaculatus, A. albimanus, and Culex pipiens. J. Parasitol. 39:28-32. Feb.1953. 448.8 J824

45812 KARTMAN, L. Factors influencing infection of the mosquito with Dirofilaria immitis (Leidy, 1856). Expt. Parasitol. 2:27-78. Jan.1953. 436.8 Ex7

45813 KOERBER, R. En dix ans, l'Institut Pasteur a vaincu la fièvre jaune. Chron. d'Outre-Mer 6:8-11. June 1952. 280.8 C46
Includes Aedes aegypti as vector.

45814 LOVE, G. J., WILKIN, S. A., and GOODWIN, M. H. Incidence of blood parasites in birds collected in southwestern Georgia. J. Parasitol. 39:52-57. Ref. Feb. 1953. 448.8 J824
Anopheles as vectors.

45815 MEDNIKOVA, M. V. Endocrine glands, corpora allata and corpora cardiaca of mosquitoes (Fam. Culicidae). (In Russian.) Zool. Zhur. 31:676-685. Ref. Sept./Oct.1952. 410 R92

45816 MEIRA, M. T. V. DE. A campaign for the eradication of Culicidae on Sal Island (Cape Verde) (December 1948 to December 1950). (In Portuguese.) Inst. de Med. Trop. An. 9:43-125. Ref. Mar.1952. 448.9 L68
English summary.

45817 MUIRHEAD-THOMSON, R. C., and MERCIER, E. C. Factors in malaria transmission by Anopheles albimanus in Jamaica. II. Ann. Trop. Med. & Parasitol. 46:201-213. Nov.1952. 448.9 L75A

45818 NIELSEN, E. T., and NIELSEN, A. T. Field observations on the habits of Aedes taeniorhynchus. Ecology 34:141-156. Ref. Jan.1953. 410 Ec7

45819 PETERS, W. Records of mosquitoes (Dipt., Culicidae) in the Southern Highlands of Tanganyika. II. Ent. Mon. Mag. 89:65-67. Mar.1953. 421 En86

45820 PRATT, H. D. Notes on American Mansonia mosquitoes (Diptera, Culicidae). Ent. Soc. Wash. Proc. 55:9-19. Ref. Feb.1953. 420 W27

45821 RAGEAU, J., and ADAM, J. P. Cuclicinae du Cameroun. Ann. de Parasitol. Humaine et Compar. 27: 610-635. Ref. 1952. 436.8 An7

45822 ROUBAUD, E. Sur certaines fluctuations culicidiennes observées en Vendée littorale, depuis l'occupation allemande. Acad. des Sci. Compt. Rend. 236:645-648. Feb.16,1953. 505 P21

45823 SAUTET, J., LEVASSEUR, G., and VUILLET, J. Action biologique des ultrasons sur les culicides. Cong. Internatl. de Biochim. Résumés des Commun. 2: 456-457. 1952. 386.2 In84

45824 VUILLET, J., and LEVASSEUR, G. Excitation biologique des ultrasons sur les oeufs d'Anopheles maculipennis. Cong. Internatl. de Biochim. Résumés des Commun. 2:458. 1952. 386.2 In84

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

45825 ARMITAGE, H. M. Hall's scale [Nilotaspis halli] eradication. West. Fruit Grower 7(2):10. Feb. 1953. 95.8 G762

45826 ASQUITH, D. The periodical cicada in Pennsylvania orchards. Pa. Agr. Expt. Sta. Prog. Rpt. 88,3 p. Dec.1952. 100 P381P
Magicicada septendecim.

45827 BARBER, H. G. A second revision of the genus Ptochiomera Say and its allies (Hemiptera, Lygaeidae). Ent. Soc. Wash. Proc. 55:19-27. Feb.1953. 420 W27
Including new species in Exptochiomera.

45828 BECK, E. G. Near extinction of the Celtis petiole gall insect [Pachypsylla venusta] in north Georgia. Ecology 34:207. Jan.1953. 410 Ec7

45829 BORDEN, A. D., and MADSEN, H. F. Control of stink bug [Euschistus conspersus] on pears. Calif. Agr. [Calif. Sta.] 7(2):8. Feb.1953. 100 C12Cag

45830 CHIAROMONTE, A. A propos of Empoasca facialis Jac. and of Anagrus scassellatii Paoli. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:341-343. Oct./Dec.1952. 26 Ag82
English summary.
The latter a parasite of the ova of the former. Reference is made to effects on the cotton plant.

45831 DRAKE, C. J. Synonymical data and description of a new Hydrometra (Hemiptera: Hydrometridae). Kans. Ent. Soc. J. 26:40-42. Jan.1953. 420 K13

45832 DUŠKOVÁ, F. Vergleich der morphologischen hauptmerkmale der schildläuse Quadraspidiotus piri (Lichtenstein) und Quadraspidiotus marani Zahradnik (Coccoidea: Diaspididae). Beitr. z. Ent. 2:452-455. Oct. 1952. 421 B392

45833 FRITZSCHE, R. Schädliche und nützliche wanzenarten an möhren (Daucus carota L. ssp. sativa). Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:228-229. Dec.1952. 464.9 N11

45834 FUKUDA, J. Application of folidol E-605 to scale insects in orchard. (In Japanese.) Jap. J. Plant Protect. 41:413-420. Nov.1952. 421 J27

45835 FURUTANI, Y., and KUKII, M. On the fruiting habits of soybeans. VI. Influence of the damage caused by Nezara antenata Scott at different stages of pod development on the fruiting habits of soybeans. (In Japanese.) Kyushu Noji Shikenjo 10:167-168. Sept.1952. 107.6 K996

45836 GAJARDO TOBAR, R. Capacidad de ayuno de los triatomideos chilenos. Chile. U. Dept. de Parasitol. B. de Inform. Parasitarias Chilenas 7:56-59. Oct./Dec. 1952. 436.9 C43
English summary.

45837 GEIER, P., and BAGGIOLINI, M. Malacocoris chlorizans Pz. (Hem. Het. Mirid.), prédateur des Acariens phytophages. Schweiz. Ent. Gesell. Mitt. 25: 257-259. Oct.20,1952. 420 Sw6

45838 GENTILE, G. Summer control of scale insects. (In Italian.) Frutticolt. Campana 2(11):1. Nov.25,1952. 80 F9474

45839 HUNGERFORD, H. B. A new Agraptocorixa from Australia. Kans. Ent. Soc. J. 26:43-44. Jan.1953. 420 K13

45840 HUNGERFORD, H. B. A new Agraptocorixa from New Guinea (Corixidae-Hemiptera). Kans. Ent. Soc. J. 26:39. Jan.1953. 420 K13

45841 ITOGA, S., and SAKAI, H. An example of hibernation of brown planthopper (Nilaparvata lugens Stal). (In Japanese.) Kyushu Noji Shikenjo 10:164-166. Sept. 1952. 107.6 K996

45842 JOHNSTON, C. J. R. Red Cliffs tests: entomologist's report on treatments employed in red scale [Aonidiella aurantii] control campaign. (Abridged.) Citrus News 27:171. Dec.1952. 80 C494

45843 KIRICHENKO, A. N. General features of true hemipteroid insect fauna of the Ural Area in connection with peculiarities of their nutrition. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:126-132. 1952. 410.9 L543

45844 KIRICHENKO, A. N. New and little-known hemipteroid insects (Hemiptera-Heteroptera) of Tadzhikistan. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 10:140-198. Ref. 1952. 410.9 L543
Includes new species in Dalpada, Iskenderia n.g., Mustha, Sciocoris, Holcostethus, Alloeoglypta n.g., Carpocoris, Eurydema, Capnoda, Coriomeris, Corizus, Geocoris, Eremocoris, Monanthia, Agramma, Anthocoris, Hissaritus n.g., Phytocoris, Deraeocoris, Scirtetellus, Atractotomimus n.g., and Erianotus.

45845 KJELLANDER, E. Undersökningar över blodlusens biologi jämte några bekämpningsförsök. Investigations on the biology of the apple woolly aphis [Eriosoma lanigerum] together with some experiments on the control of the aphis. Sweden. Stat. Växtskyddsanst. Meddel. 64,51 p. Ref. 1953. 464.9 Sw3M
English summary.

45846 KOREISHI, K., and NOGAKI, K. A forecasting method of white-back planthopper and brown planthopper in Kumamoto Prefecture. (In Japanese.) Kyushu Noji Shikenjo 10:163. Sept.1952. 107.6 K996
Nilaparvata ? species.

45847 KOVAČEVIC, Ž. Fir tree louse, Dreyfusia nüsslini. (In Serbo-Croatian.) Šumarski List 76:413-416. Oct./Nov.1952. 99.8 Su6
German summary.

45848 LAFON, J., and COUILLAUD, P. Phylloxera. Paysan Franç. 28(421):24-25. Jan.1953. 14 P29
On grapes.

45849 LA RIVERS, I. Two new naucorid bugs of the genus Ambrysus. U. S. Natl. Mus. Proc. 103(3311),7 p. 1953. 500 Sm65P

45850 LESTON, D. The suprageneric nomenclature of the British Pentatomoidea (Hemiptera). Ent. Gaz. 4: 13-25. Ref. Jan.1953. 421 En834
Includes Amyotinae new name.

45851 MALDONATO CAPRILES, J. Redescription of the genus Burtinus Stal and description of a new species from Puerto Rico (Hemiptera, Coreidae). Ent. Soc. Wash. Proc. 55:40-44. Feb.1953. 420 W27

45852 MILETIC, R. The winter host of Aphis fabae Scop. (In Serbo-Croatian.) Zaštita Bilja 12:74-77. 1952. 464.8 Z1
English summary.

45853 MILLER, P. W. Aphid Myzus solani does not transmit strawberry yellows virus complex. Plant Dis. Rptr. 37:89. Feb.15,1953. 1.9 P69P

45854 MULLER, F. P. Der jahreszeitliche massenwechsel der grünen pfirsichblattlaus (Myzodes [i.e. Myzus] persicae Sulz.). Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)6:28-32. Ref. Feb./Mar.1952. 464.9 N11

45855 MURTHY, D. V. The effects of conserving healthy and parasitised eggs of Pyrilla spp. in wire gauze cages. Sugar Technol. Assoc. India. Proc. 21:1-2. 1952. 65.9 Su33P

45856 NOWAK, W. Weitere untersuchungen über das vorkommen der grünen pfirsichblattlaus (Myzodes [i.e. Myzus] persicae Sulzer) als luftplankton. Z. f. Planzebau u. Pflanzenschutz 3:182-189. Ref. 1952. 464.8 P88

45857 OSSIANNILSSON, F. Specimina typorum insectorum a Carolo Linnaeo descriptorum in Museo Degeeriano asservata. II-III. Ent. Tidskr. 73:195-206. Ref. 1952. 421 En891
II, Hemiptera; III, Neuroptera.

45858 PERUCCI, E. Control of aphids on tobacco plants with systemic insecticides. (In Italian.) Tabacco 56:362-369. Dec.1952. 69.8 T115

45859 PESANTE, A. On a form of association between lichens and scale insects. (In Italian.) Ann. della Sper. Agr. (n.s.)7:63-72. 1953. 16 An76
English summary.

45860 RICHARDSON, B. H. Control of Rhodesgrass scale [Antonina graminis] in St. Augustinegrass lawns. Tex. Agr. Expt. Sta. Prog. Rpt. 1541,2 p. Feb.4,1953. 100 T31P

45861 RYBIN, V. A. DDT preparations for control of false scale insect. (In Russian.) Sad i Ogorod. 12:44-45. Dec.1952. 80 Sa13
On fruit.

45862 SCHØYEN, T. H. Engtegen [The meadow bug] (Lygus pratensis L.). Norway. Stat. Plantevern. Flygeskr. 45,4 p. 1952. 86 N83F

45863 SHAPOSHNIKOV, G. KH. Dendrophilous aphids of the steppe and desert zones of the Ural Area. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:92-110. Ref. 1952. 410.9 L543

45864 SHAPOSHNIKOV, G. KH. Nastavlenie k sobiraniû tleĭ [Instruction on collecting aphids]. Moskva, Akademiâ Nauk SSSR,1952. 18 p. Ref. (Akademiâ Nauk. Zoologicheskiĭ Institut. V Pomoshch' Rabotaûshchim na Polezashchitnykh Lesnykh Polosakh i na Velikikh Stroikakh Kommunizma 18) 410.9 Ak12

45865 SHAW, M. W. A new host of Schizaphis geijskesi H.R.L. (Hem., Aphididae). Entomologist 86:41. Feb.1953. 421 En8

45866 SIMONS, J. N., and SYLVESTER, E. S. Acquisition threshold period of western celery mosaic virus for four species of aphids. Phytopathology 43: 29-31. Ref. Jan.1953. 464.8 P56
Myzus persicae, M. solani, M. circumflexus and Aphis apii.

45867 STRUKAN, D. A contribution to the understanding of California scale (Aspidiotus perniciosus Comst.) in our area. (In Serbo-Croatian.) Biljna Proizvodnja 5:282-285. Nov./Dec.1952. 64.8 B49

45868 SUENAGA, H. Where do leaf-hoppers hibernate? (In Japanese.) Jap. J. Plant Protect. 42:446-451. Ref. Dec.1952. 421 J27

45869 VARMA, P. M. Studies on the relationship of the bhendi yellow vein-mosaic virus and its vector, the white-fly (Bemisia tabaci Gen.). Indain J. Agr. Sci. 22:75-91. Ref. Mar.1952. 22 Ag83I

45870 WOOD-BAKER, C. S. Records of forty-two European aphids (Hem.). Ent. Mon. Mag. 89:68-70. Mar. 1953. 421 En86

45871 WOODROFFE, G. E. Notes on some Hemiptera-Heteroptera from Hounslow Heath, Middlesex. Entomologist 86:34-40. Feb.1953. 421 En8

45872 WOODWARD, T. E. The occurrence of Hydrometra ribesci Hungerford in New Zealand (Heteroptera: Hydrometridae). New Zeal. Ent. 1(2):9-10. Sept.1952. 421 N48

45873 ZAHRADNIK, J. Eine neue schildlausart-Quadraspidiotus marani n. sp. (Coccoidea: Diaspididae). Beitr. z. Ent. 2:449-451. Oct.1952. 421 B392

HYMENOPTERA

45874 AINO, S. Black spotted Paine saw-fly [Diprion nipponica] and its control. (In Japanese.) Jap. J. Plant Protect. 39/40:356-358. Oct.1952. 421 J27

45875 ALAM, S. M. Studies on the structure and working of the "egg-laying mechanism" in Stenobracon deesae Cam. (Braconidae, Hymenoptera). Z. f. Parasitenk. 15:357-368. Ref. 1952. 442.8 Z33F

45876 ALEĬNIKOVA, M. M., and UTROBINA, N. M. On some pests of oak in Tatar ASSR. (In Russian.) Les i Step' 4(11):85-86. Nov.1952. 99.8 L565
Megachile and Haltica oleracea L.

45877 AYYAPPA, P. K., and CHEEMA, P. S. An ectoparasite [Laelius sp.] on the larvae of Anthrenus vorax Waterhouse. Indian Acad. Sci. Proc. Sect. B 36: 215-222. Nov.1952. 513 In25B

45878 BAGGIOLINI, M. Un nouveau parasite de la tordeuse orientale du pêcher (Laspeyresia molesta Busk.): Lissonota buolianae Hart. (Hym. Ichn.). Schweiz. Ent. Gesell. Mitt. 25:260-262. Oct.20,1952. 420 Sw6

45879 BARDIA BARDIA, R. La Hoplocampa [H. brevis] de las peras. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:163-165. July 1952. 15 C14

45880 BEARD, R. L. The toxicology of Habrobracon venom: a study of a natural insecticide. Conn. (State) Agr. Expt. Sta. B. 562,27 p. Ref. Dec.1952. 100 C76St

45881 BEAUMONT, J. DE. Contribution à l'étude du peuplement de la Mauritanie. Hyménoptères, Sphecidae. Inst. Franç. d'Afrique Noire. B. 15:171-177. Jan.1953. 515 D14
With ecological notes by L. Berland.

45882 BEAUMONT, J. DE. Les Hoplisoides et les Psammaecius de la région paléarctique (Hym. Sphecid). Schweiz. Ent. Gesell. Mitt. 25:211-238. Ref. Oct.20, 1952. 420 Sw6

45883 BECKER, G., and WEBER, W. Theocolax formiciformis Westwood (Hym. Chalcid.), ein anobienparasit. Z. f. Parasitenk. 15:339-356. Ref. 1952. 442.8 Z33F

45884 BENSON, R. B. A new British Nematus (Hym., Tenthredinidae) attacking black-currant. Ent. Mon. Mag. 89:60-63. Mar.1953. 421 En86
N. olfaciens n. sp.

45885 BENSON, R. B. The northward spread of the Solomon's seal sawfly (Phymatocera aterrima Klug) (Hym., Tenthredinidae). Ent. Mon. Mag. 89:63. Mar. 1953. 421 En86

45886 BERNARD, J. Essais de lutte contre les Hoplocampes du prunier. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:9-22. Ref. 1952. 105.1 G285

45887 BERNARD, J. Observations sur le vol et la ponte chez Hoplocampa minuta Christ. (Hymen. Tenthredinidae). Parasitica 8:159-173. 1952. 464.8 P21
English summary.

45888 BOLLOW, H. Hautflügler (Hymenopteroidea). IV. Ameisen (Formicidae). Natwiss. Grundbegriffe f. die Landbauliche Praxis. Zool. Reihe 21,6 p.-folder. 1952. 410 N2127

45889 BRUN, R. Das zentralnervensystem von Teleutomyrmex schneideri Kutt. (Hym. Formicid.). III. Schweiz. Ent. Gesell. Mitt. 25:73-86. Ref. May 15,1952. 420 Sw6

45890 BURKS, B. D. The genus Metacolus in North America (Hymenoptera, Chalcidoidea). Ent. Soc. Wash. Proc. 55:44. Feb.1953. 420 W27

45891 CANTELO, W. W. Birch leaf miner [Fenusa pusilla] and its control. Natl. Shade Tree Conf. Proc. 28: 45-58. 1952. 99.9 N218

45892 CHAMBERS, V. H. Hymenoptera in Dutch art. Ent. Mon. Mag. 89:71. Mar.1953. 421 En86

45893 CHAUVIN, R. Sur le déterminisme de l'effet de groupe chez les abeilles. Physiol. Compar. et Oecologia 2:282-288. Ref. June 30,1952. 444.8 P56
English summary.

45894 COLE, A. C. Notes on the genus Leptothorax in New Mexico and a description of a new species (Hymenoptera, Formicidae). Ent. Soc. Wash. Proc. 55:27-30. Feb.1953. 420 W27

45895 COOPER, K. W. The wasps of Penikese Island, Buzzards Bay, Massachusetts (Hymenoptera). Ent. News [Philadelphia] 64:29-36. Ref. Feb.1953. 421 En88

45896 DIMMICK, J. F. An ecological study of Formica formica exsectoides. Ill. State Acad. Sci. Trans. 44: 197-204. 1951,pub.1952. 500 IL6

45897 EVANS, H. E. The Mexican species of Allaporus (Hymenoptera: Pompilidae). Kans. Ent. Soc. J. 26: 26-31. Jan.1953. 420 K13
Includes new species.

45898 FEDDER, M. L. House ants [Monomorium pharaonis L.]. (In Russian.) Priroda 41(10):119. Oct. 1952. 410 P933

45899 GOMES, F. P. A system of equations in connection with a mathematical model for populations of endogamic Hymenoptera. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:87-97. 1951. 102.5 P66A
English summary.

45900 GRASSE, P. P. L'effet de groupe chez les insectes. Union Internatl. pour l'Etude des Insectes Sociaux. Sect. Franç. B. 1:32-43. Ref. Apr.1952. 420 In83
English summary.

45901 GUSSAKOVSKII, V. V. New and little-known species of Psammocharidae and Sphecidae (Hymenoptera) of Western Tadzhikistan. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 10:199-288. Ref. 1952. 410.9 L543
New species in Salius, Paracyphononyx, Episyron, Psammochares, Tachyagetes, Sophropompilus, Homonotus, Pemphredon, Passaloecus, Spilomena, Ammoplanus, Dolichurus, Astatus, Laphyragogus, Tachytes, Tachysphex, Psammosphex n.g., Haplognatha n.g., Prosopigastra, Trypoxylon, Oxybelus, Belomicrus, Crabro, Nysson, Gorytes, Stizus, Bembicinus, Stizobembex n.g., Shestakoviella n.g., Philoponidea, and Cerceris.

45902 HABER, A. Próba wyjaśnienia wpływu kręgowcow na populację osnui gwiazdzistej. An attempt to explain the influence of vertebrates upon the population of Acantholyda nemoralis Thoms. (Hym.) (with special account of the role of birds). Inst. Badawczy Leśn. Prace 85,157 p. Ref. 1952. 99.9 W26
English summary.

45903 HURD, P. D. Notes on the melectine bees of Mexico (Hymenoptera: Anthophoridae). Kans. Ent. Soc. J. 26:35-38. Jan.1953. 420 K13

45904 JANSSON, A. Studies on Swedish Chalcididae. 3. Hatched species. (In Swedish.) Ent. Tidskr. 73:178-182. 1952. 421 En891
German summary.
Parasitic Chalcididae hatched from host insects.

45905 KERR, W. E. Bases for a genetic study of the populations of Hymenoptera in general and the social Apinae in particular. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:219-354. Ref. 1951. 102.5 P66A
English summary.

45906 KUTTER, H. Uber Plagiolepis xene Stärcke (Hym. Formicid.). Schweiz. Ent. Gesell. Mitt. 25:57-72. May 15,1952. 420 Sw6

45907 LAMB, K. P. Two braconid parasites of clothes moths. New Zeal. Ent. 1(2):8-9. Sept.1952. 421 N48
Chremylus rubiginosus and Apanteles carpatus.

45908 LIM, M. How I prevent ants from bothering my orchids. Philippine Orchid Rev. 5:15. Jan.1953. 80 P53

45909 MORLEY, D. W. The organisation of the ant colony. Discovery 14:45-49. Feb.1953. 472 D63

45910 PHILLIPS, W. J., and POOS, F. W. The wheat strawworm [Harmolita grandis] and its control. U. S. D. A. Farmer's B. 1323,rev.,6 p. Mar.1953. 1 Ag84F

45911 POPOV, V. V. Bee fauna [as pollinators] and its distribution in the middle part of the State shelterbelt route, Vishnevaia Mountain—Caspian Sea. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:142-165. Ref. 1952. 410.9 L543

45912 POPOV, V. V. Fauna of bees (Hymenoptera, Apoidea) of South-Western Turkmenia and its distribution by landscape. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 10:61-117. Ref. 1952. 410.9 L543

45913 SCHNEE, L. Triplaris caracasana Cham. y las hormigas. Venezuela. U. Cent. Facul. de Ingen. Agron. Rev. 1:99-102. June 1952. 9.95 V555

45914 SHEVCHENKO M. I. In regard to the geographic distribution and silvicultural importance of the oak gall-flies (Cynipidae) in U.S.S.R. (In Russian.) Zool Zhur. 31:659-663. Ref. Sept./Oct.1952. 410 R92

45915 SKAIFE, S. H. The banded bee pirate [Palarus latifrons]. So. African Bee J. 27(5):13,15. Nov./Dec. 1952. 424.8 So82

45916 SPEYER, E. R. White-fly parasite. Tomato & Cucumber Mktg. Bd. J. 2(3):23,25-26. Mar.1953. 280.3919 T591
Encarsia formosa.

45917 STELFOX, A. W. The association of Dacnusa ampliator Nees (Hym., Braconidae) with hogweed. Ent. Mon. Mag. 89:67. Mar.1953. 421 En86

45918 SULLIVAN, R. L., and GROSCH, D. S. The radiation tolerance of an adult wasp. Nucleonics 11(3): 21-23. Ref. Mar.1953. 334.8 N88
Effects of x-rays on Habrobracon.

45919 VAN DER VECHT, J A preliminary revision of the oriental species of the genus Ceratina (Hymenoptera, Apidae). Rmus. van Nat. Hist. Zool. Verhandel. 16,88 p. Sept.4,1952. 410.9 L59Z

45920 VASIL'EVSKII, A. P. Hornet - a pest of ornamental trees. (In Russian.) Moscow. Glav. Bot. Sad. B. 11:120. 1952. 451 M854
Control with arsenic compounds.

45921 WALRECHT, B. J. J. R. The building instinct of the social wasps [Vespidae]. X. (In Dutch.) Levende Nat. 56:13-18. Jan.1953. 410 L57

45922 WALRECHT, B. J. J. R. The building instinct of the social wasps [Vespidae]. X. (In Dutch.) Levende Nat. 56:35-38. Feb.1953. 410 L57

45923 WHITING, P. W. X-ray induction of eye-color mutations in wasp parasites of blow-fly pupae, a genetics class laboratory exercise. Pa. Acad. Sci. Proc. 24:21-22. 1952. 500 P383

45924 WILLIAMS, C. B. From an entomologist's notebook. 4. The forester's friend. Countryman [Burford] 47:133-134. Spring 1953. 281.28 C832
Rhyssa persuasoria as parasite of the wood wasp Sirex.

See also Apiculture and Apis mellifera.

LEPIDOPTERA

45925 AKAISHI, Y., and SEKIGUCHI, T. Control of peach fruit moth by using of fungi. (In Japanese.) Jap. J. Plant Protect. 36:253-255. June 1952. 421 J27

45926 ARBUTHNOT, K. D., and WRIGHT, J. M. Parasites of the European corn borer [Pyrausta nubilalis] in Illinois. Ill. State Acad. Sci. Trans. 44:222-234. Ref. 1951,pub.1952. 500 IL6

45927 BAKER, E. Light traps; this relatively new method of trapping tobacco moths offers relief to long-suffering tobacco growers. Rur. Kentuckian 6:22-23. Jan.1953 335.8 R41
Heliothis virescens and Protoparce sexta.

45928 BEIRNE, B. P. The curious entomological activities of the Hon. R. E. Dillon. Ent. Gaz. 4:67-72. Jan.1953. 421 En834
Lepidoptera in Ireland.

45929 BENLLOCH, M. La polilla de los cereales. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 54:21-24. Nov.1952. 15 Sa7

45930 BERNARD, J. Note sur deux Cacoecia (Lépidoptère, Tortricidae) occasionnellement nuisibles aux cultures florales. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:148-150. 1952. 105.1 G285

45931 BOLLOW, H. Die "grossen raupennester" des goldafter (Euproctis chrysorrhoea L.) Pflanzenschutz 4:111-112. Sept.1952. 464.8 P48

45932 BRADLEY, J. D. Microlepidoptera from the Bantry—Glengarriff area, West Cork. Irish Nat. J. 11:16-18. Jan.1953. 410 Ir42

45933 BRANDT, H. Schmetterlinge (Lepidoptera). I. Natwiss. Grundbegriffe f. die Landbauliche Praxis, Zool. Reihe 27,8 p. In Pflanzenschutz 4(11). Nov.1952. 464.8 P48

45934 CARR, F. M. B. A year's field work. Ent. Rec. & J. Variation 65:39-41. Feb.1953. 421 En89
Lepidoptera collecting.

45935 CARROLL, J. Eelworm and insect pests. VI. Caterpillars. II. Agr. Ireland 10:30-31. Feb.1953. 10.5 Ag8

45936 CARTER, W. A. C. Unusual sex-ratio in Strymonidia w-album (Knoch). Entomologist 86:56. Feb. 1953. 421 En8

45937 CHALMERS-HUNT, J. M., and OWEN, D. F. Nymphalis polychloros L. (Lep. Nymphalidae) in Kent. Ent. Gaz. 4:3-11. Ref. Jan.1953. 421 En834

45938 CLOUDSLEY-THOMPSON, J. L. Caterpillars eaten by a Zulu. Entomologist 86:51-52. Feb.1953. 421 En8

45939 COCKAYNE, E. A. Aberrations of British Macrolepidoptera. Ent. Rec. & J. Variation 65:33-34. Feb.1953. 421 En89

45940 COLAMARIA, F. New attacks of Noctuidae. (In Italian.) Agr. Ferrarese 56:175-176. Aug.31,1952. 16 Ag87

45941 COLLENETTE, C. L. The family Lymantriidae (Lep.). Entomologist 86:32-33. Feb.1953. 421 En8

45942 DANNREUTHER, T. Preliminary report on the 1952 winter immigration of Vanessa cardui and other Lepidoptera recorded in the British Isles. Entomologist 86:50-51. Feb.1953. 421 En8

45943 DEWICK, A. J. The year 1952 in East Essex. Ent. Rec. & J. Variation 65:37-39. Feb.1953. 421 En89
Lepidoptera.

45944 DIAKONOFF, A. Microlepidoptera. I. Natforsch. Gesell. in Basel. Verhandl. 63:137-152. July 30, 1952. 508 B29
Includes new species in Homona, Isodemis n.g., and Mimeoclysia.

45945 DOUGLASS, J. R., and ROMNEY, V. E. Comparative toxicity of some new insecticides to the beet webworm in Colorado, 1951. Amer. Soc. Sugar Beet Technol. Proc. 7:503-506. 1952. 66.9 Am35
Loxostege sticticalis.

45946 DUNK, H. C. Hypocrita jacobaeae (L.) larvae on coltsfoot. Entomologist 86:51. Feb.1953. 421 En8

45947 DUNK, H. C. Strymon pruni (L.) attracted to flowers. Entomologist 86:51. Feb.1953. 421 En8

45948 EWING, K. P. Expanded research program on the pink bollworm [Pectinophora gossypiella]. Cotton Gin & Oil Mill Press 54(6):32-35. Mar.14,1953. 304.8 C822

45949 EWING, K. P., and CHAPMAN, A. J. Losses to pink bollworm [Pectinophora gossypiella] in South Texas: 1942. Cotton Gin & Oil Mill Press 54(6):84. Mar.14,1953. 304.8 C822

45950 FISCHER, E. Versuche zur aktivierung letaler keimkombinationen. Zurich. Natforsch. Gesell. Vrtljahrschr. 97:29-38. Mar.31,1952. 508 Z8
A study of Celerio.

45951 FLETCHER, D. S. A revision of the genus Carecomotis (Lep. Geometridae). Ann. & Mag. Nat. Hist. (ser.12)6:100-142. Feb.1953. 410 An77
Includes new species.

45952 FONSECA, J. P. DA. The pink cotton bollworm [Pectinophora gossypiella]. (In Portuguese.) São Paulo. Dir. de Publicidade Agr. B. de Agr. 51:241-346. Ref. 1950,pub.1952. 9.2 Sa63

45953 FORD, A. E. Audubon's butterflies, moths, and other studies. New York,Studio P.,1952. 120 p. Ref. 411.2 F75

45954 FORD, L. T. Stomopteryx polychromella Rebel—a gelechiid moth new to Britain. Ent. Gaz. 4:37. Jan.1953. 421 En834

45955 FORSTER, W. Gespinstmotten [Hyponomeuta]. Kosmos 49:19-20. Jan.1953. 474 K842

45956 FRANZ, E. Sphingidae de El Salvador. (Resultados del viaje de exploración Dr. Adolf Zilch 1951 en El Salvador, 2). Inst. Trop. de Invest. Cient. Comun. 4: 14-17. Oct.1952. 330.9 Sa3C

45957 GROVES, J. R. The summer fruit tortricid. Gard. Chron. 133:51. Feb.7,1953. 80 G162

45958 GYORFFY, I. Moos-seten als asyle für Arthropoden. Rev. Bryologique et Lichenologique (n.s.)21:285-286. 1952.. 450 R325
Lepidoptera.

45959 HAFLIGER, E. Neue entwicklung in der bekämpfung des traubenwicklers [Clysia ambiguella]. Schweiz. Z. f. Obst- u. Weinbau 62:73-74. Feb.21,1953. 80 Sch9

45960 HARPER, G. W. Inverness-shire in 1952. Ent. Rec. & J. Variation 65:45-46. Feb.1953. 421 En89
Lepidoptera collecting.

45961 HESLOP, I. R. P. First supplement to the 'Indexed check-list of the British Lepidoptera with the English name of each of the 2,313 species' (1947). Ent. Gaz. 4:29-33. Jan.1953. 421 En834

45962 HESLOP HARRISON, J. W. Lepidoptera in the Isles of Lewis and Harris in 1952. Entomologist 86:53-55. Feb.1953. 421 En8

45963 HESLOP HARRISON, J. W. Rate of spread of Nonagria typhae in County Durham. Entomologist 86:41. Feb.1953. 421 En8

45964 HOLIK, O. Die nahrungspflanzen der Zygaenenraupen und ihre bedeutung für die unterteilung der gattung Zygaena Fabr. Ent. Z. 62:153-159. (Cont.) Jan.15,1953. 421 En85

45965 IREN, Z. The native parasites of small ermine moth [Hyponomeuta padella] and codling moth [Carpocapsa pomonella] larvae in Ankara (Turkey). (In Turkish.) Bitki Koruma B. 4:16-18. Oct.1952. 464.8 B54
English summary.

45966 IYATOMI, K., and SUGINO, T. Application of 2,4-D to rice paddy field and the influence on the population of rice stem borer [Chilo simplex]. (In Japanese.) Jap. J. Plant Protect. 33:120-121. Mar.1952. 421 J27

45967 KOREISHI, K., KIDO, Y., and NOGAKI, K. A forecasting method of rice stem borer [Chilo simplex] in Kumamoto Prefecture. (In Japanese.) Kyushu Noji Shikenjo 10:162. Sept.1952. 107.6 K996

45968 KOYAMA, T. Control of paddy borer with folidol E-605. (In Japanese.) Jap. J. Plant Protect. 36:273-275. June 1952. 421 J27
Chilo simplex?

45969 KOYAMA, Y. Application of folidol to cutworm. (In Japanese.) Jap. J. Plant Protect. 37/38:316-319. Aug.1952. 421 J27

45970 KRAUSE, G. Der pfirsichwickler Laspeyresia [i.e. Grapholitha] molesta (Busck) und die pfirsichmotte Anarsia lineatella (Zeller) auf importiertem obst. Pflanzenschutz 4:113-115. Oct.1952. 464.8 P48

45971 KROGERUS, H. The changes in the Lepidoptera fauna of a district in South Finland. Fennia 75:58-59. 1952. 511 H367
Due to climatic changes.

45972 KUZNETSOV, V. I. Problems in adaptation of lepidopterous insects to new food conditions. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:166-181. Ref. 1952. 410.9 L543

45973 LANGRIDGE, D. F. Wax moths [Galleria mellonella] in beehives, their importance and control. Victoria. Dept. Agr. J. 50:545-548,554. Dec.1952. 23 V66J

45974 LESSE, H. DE. Formules chromosomiques nouvelles du genre Erebia (Lepid. Rhopal.) et séparation d'une espèce méconnue. Acad. des Sci. Compt. Rend. 236:630-632. Feb.9,1953. 505 P21

45975 LOBB, J. New aberration of Argynnis euphrosyne L. Argynnis euphroysne Linnaeus ab. edna ab. nov. Ent. Rec. & J. Variation 65:56. Feb.1953. 421 En89

45976 LORDELLO, L. G. E. Contribution to a knowledge of some Brazilian Ithomiidae, predators of Solanaceae (Lep., Rhopalocera). (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:99-110. Ref. 1951. 102.5 P66A
English summary.

45977 LORDELLO, L. G. E. Notes on the evolution of the "sassurana", Megalopyge lanata (Stoll, 1870) (Lep., Heterocera, Megalopygidae. (In Portuguese.) Esc. Super. de Agr. "Luis de Queiroz." An. 8:205-218. Ref. 1951. 102.5 P66A
English summary.

45978 LOWE, A. D. Record of an occurrence of potato tuber moth (Gnorimoschema operculella Zell.) damaging tomato fruits. New Zeal. Ent. 1(2):7. Sept. 1952. 421 N48

45979 MAERCKS, H. Auftreten und bekämpfung der graseule. Praxis u. Forsch. 5:18-19. Feb.20,1953. 18 P89
Charaeas graminis.

45980 MARIKOVSKII, P. I. Tamarisk moth, Amblypalpis tamaricella Dan. and the Phenomenon of combined diapause of its parasite [Apanteles sp.]. (In Russian.) Zool. Zhur. 31:673-675. Sept./Oct.1952. 410 R92

45981 MARTIGNONI, M. E. Die submikroskopische textur der peritrophischen membran von Peridroma margaritosa (Haw.) (Noctuidae, Lepidoptera). Schweiz. Ent. Gesell. Mitt. 25:107-110. May 15,1952. 420 Sw6
English summary.

45982 MARTYNOVA, E. F. Special features of the lepidopterous fauna of the Southern Ural Area and its importance for steppe silviculture. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:66-91. Ref. 1952. 410.9 L543

45983 MAST, A. A., and MORROW, W. B. Control of the salt marsh caterpillar [Estigmene acraea] in sugar beets grown for seed. Amer. Soc. Sugar Beet Technol. Proc. 7:507-510. 1952. 66.9 Am35

45984 MEYER, J. H. Ein Celerio livornica-Freilandhybrid und bemerkungen über Cel. hybr. pauli Mory. Ent. Z. 62:161-167. Feb.1,1953. 421 En85

45985 MICHENER, C. D. A note on a saturniid moth from Argentina (Lepidoptera). Kans. Ent. Soc. J. 26:10. Jan.1953. 420 K13
In Dirphia.

45986 MIYAKE, T. Occurrence of rice stem borer [Chilo simplex] and leaf hoppers in 2,4-D treated in rice field. (In Japanese.) Jap. J. Plant Protect. 37/38: 311-312. Aug.1952. 421 J27

45987 MORI, T., and YAMAGUCHI, T. Effect of the simple forecasting method to the control of rice stem borer [Chilo simplex]. (In Japanese.) Kyushu Noji Shikenjo 10:160-161. Sept.1952. 107.6 K996

45988 NAKATA, M. Fall webworm control in Japan. (In Japanese.) Jap. J. Plant Protect. 37/38:298-300,293. Aug.1952. 421 J27
Includes English text of order of Gen. Ridgway.
Hyphantria cunea.

45989 NESTERVODSKII, V. A. Death's head moth [Acherontia atropos]—pest of honeybees. (In Russian.) Pchelovodstvo 29(12):33-34. Dec.1952. 424.8 P295

45990 NIRULA, K. K. The coconut caterpillar [Nephantis serinopa] and its control. Indian Cent. Coconut Comt. B. 6:88-89. Dec.1952. 77.9 In292

45991 NORDMAN, A. F. The significance for insects of climatic changes. Fennia 75:60-68. 1952. 511 H367
Butterflies.

45992 OSTROVSKII, N. I. Effect of organic-synthetic poisons on Phytometra gamma caterpillars. (In Russian.) Sovet. Agron. 10(12):80-82. Dec.1952. 20 So84
Benzene hexachloride, DDT, and NIUIF-100.

45993 OWEN, D. F. Migrant Lepidoptera on the Kirkcudbright Coast. Scot. Nat. 64:167. Winter 1952. 410 Sco3

45994 PEKING, H. Ei und eiablage von Hemistola chrysoprasaria Esp. (Euchloris vernaria Hb.). Ent. Z. 62: 167-168. Feb.1,1953. 421 En85

45995 PICCO, D. Chemical control against Thaumetopea pityocampa. (In Italian.) Not. sulle Mal. delle Piante 21:1-8. Oct./Dec.1952. 464.8 N84
English summary on p. 71.

45996 PSCHORN-WALCHER, H. Der weisse bärenspinner, eine gefahr für die deutsche forstwirtschaft? Allg. Forstz. 8:92-93. Feb.18,1953. 99.8 AL52
Hyphantria cunea.

45997 ROEHRICH, R. La tordeuse du pecher (Laspeyresia [i.e. Grapholitha] molesta Busck). B. Hort. (n.s.)8:81-84. Mar.1,1953. 80 B873

45998 SCHULTE, A. Die variabilität von Colias nastes v. werdandi Zett. Ent. Z. 62:159-160. (Concl.) Jan.15,1953. 421 En85

45999 SCHWERDTFEGER, F. Nachgewiesenermassen ende der eichenwicklersorgen durch vogelschutz? Allg. Forstz. 8:81-83. Ref. Feb.11,1953. 99.8 AL52
Tortrix viridana.

46000 SINXOTO, G. S. Stalk borer [Papaipema nebris] Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 29(4):29-30. Nov.1952. 24 T684

46001 SMITH, D. Butterflies seen in Majorca during October, 1951. Entomologist 86:29-31. Feb.1953. 421 En8

46002 SPAIC, I. Sur l'apparition de Tortrix viridana L. dans les forets de chênes de Croatie. (In Serbo-Croatian.) Zaštita Bilja 12:71-73. 1952. 464.8 Z1
French summary.

46003 SPATARO, C. Sicilian almonds struck by Malacosoma neustria. (In Italian.) Italia Agr. 90:40-44. Jan.1953. 16 It1

46004 UEHARA, H. Control of rice stem borer [Chilo simplex] with BHC or DDT. (In Japanese.) Jap. J. Plant Protect. 36:271-272. June 1952. 421 J27

46005 VALLETTA, A. Danaus chrysippus (L.) var. alcippus Cram. re-visits Malta (Lep., Danaidae). Entomologist 86:57. Feb.1953. 421 En8

46006 VOGEL, W. Die winterspritzung der kirschbäume unter besonderer berücksichtigung der frostspannerschäden im Fricktal. Schweiz. Z. f. Obst- u. Weinbau 62:62-68. Feb.21,1953. 80 Sch9
Operophtera brumata.

46007 WAKELY, S. Collecting in South Kent. Ent. Rec. & J. Variation 65:42-45. Feb.1953. 421 En89
Lepidoptera.

46008 WALKER, R. L. Spiny bollworm [Earias insulana] of cotton in Iraq. Plant Protect. B. [Rome] 1:42. Dec.1952. 421 P692

46009 WHITE, E. B. Birds and butterflies. Ent. Rec. & J. Variation 65:55-56. Feb.1953. 421 En89
With remarks by D. F. Owen.

46010 ZHUKOVSKII, A. V., and PETROVA, T. N. New data on the biology of the stem moth, Ochsenheimeria sp. (In Russian.) Zool. Zhur. 31:669-672. Ref. Sept./Oct.1952. 410 R92
Rye pest.

46011 ZIVANOVIC, V. Sur l'apparition de Pyrameis cardui L. dans les environs de Čačak. (In Serbo-Croatian.) Zaštita Bilja 12:104-105. 1952. 464.8 Z1

See also Sericulture and the Silkworm.

ORTHOPTERA

46012 AGENJO, R. Deliberada transgresión de las Reglas Internacionales de Nomenclatura Zoológica. Eos 28:285-292. Apr./Sept.1952. 421 Eo7
In Podisma.

46013 BEIER, M. Mantidea aus Ostindonesien. Naturforsch. Gesell. in Basel. Verhandl. 63:296-306. Dec.12, 1952. 508 B29
Includes new species in Orthodera.

46014 BENNETT, H. S. Tracheae and sarcosomes in grasshopper leg muscle. (Abs.) Anat. Rec. 115:282-283. Feb.1953. 447.8 An1

46015 CHAPELLE, T., and CHAPELLE, D. Report from the locust wars. Natl. Geog. Mag. 103:545-562. Apr.1953. 470 N213
Iraq.

46016 CHETYRKINA, I. A. Acrididae of the forest outskirts in the Valley of Ural River. (In Russian.) Akad. Nauk SSSR. Zool. Inst. Trudy. 11:133-141. Ref. 1952. 410.9 L543

46017 CHOPARD, L. Un insecte énigmatique: le Grylloblatta. Nature [Paris] 3207:219. July 1952. 473 N21

46018 EDWARDS, J. S. Submergence of a streamside weta (Paraneonetus sp.). New Zeal. Ent. 1(2):7-8. Sept.1952. 421 N48

46019 GOLDMAN, M. C. Try praying mantids. Org. Gard. 21(3):38-39,56-58. Mar.1953. 56.8 Or3
Mantis religiosa.

46020 GT. BRIT. CENTRAL OFF. OF INFORMATION. The locust. London,1952. 11 p. (British Commonwealth Leaflets. Series B 1) 429 G794

46021 HUBER, W. Das paarungsverhalten von Oedipoda coerulescens (Orthoptera, Acrididae). Schweiz. Ent. Gesell. Mitt. 25:97-106. May 15,1952. 420 Sw6

46022 KEVAN, D. K. M. A study of the genus Chrotogonus Audinet-Serville, 1839 (Orthopt., Acrid., Pyrgomorphinae). Schweiz. Ent. Gesell. Mitt. 25:87-96. May 15,1952. 420 Sw6
Includes new species and subgenera.

46023 KNOWLTON, G. F. Grasshopper and mormon cricket [Anabrus simplex] control. Utah. State Agr. Col. Ext. M. S. 96,4 p. Feb.4,1953. 275.29 Ut1Ms

46024 KOLESNIKOV, M. P. Control of the cricket. (In Russian.) Sad i Ogorod 1:79. Jan.1953. 80 Sa13

46025 LEAN, O. B. International co-operation in pest control. Roy. Agr. Soc. Eng. J. 113:81-85. 1952. 10 R81
Locust control.

46026 LOGOTHETIS, C. The migratory locust [Schistocerca paranensis] in South America. Plant Protect. B. [Rome] 1:33-35. Dec.1952. 421 P692

46027 MORALES AGACINO, E. The locust [Schistocerca paranensis] problem in Central America and Mexico. Plant Protect. B. [Rome] 1:18-20. Nov.1952. 421 P692

46028 PETRIK, C. Some results of Gryllotalpa vulgaris L. control. (In Serbo-Croatian.) Zaštita Bilja 12:102-104. 1952. 464.8 Z1
English summary.

46029 POPOV, G. Apparent tendency to phase variation in an Iranian grasshopper, Pyrgodera armata (F. W.) (Orthoptera, Acrididae). Eos 28:277-283. Apr./Sept. 1952. 421 Eo7

46030 RIHERD, P. T. The occurrence of Blattella vaga Hebard in Texas (Orthoptera, Blattidae). Ent. Soc. Wash. Proc. 55:39-40. Feb.1953. 420 W27

46031 SCHREUDER, J. E., and WILDE, J. DE. Analysis of the dyspnoeic action of carbon dioxide in the cockroach (Periplaneta americana L.) (with some remarks on the honey bee, Apis mellifica L.). Physiol. Compar. et Oecologia 2:355-361. Ref. June 30,1952. 444.8 P56
English summary.

46032 TAHMISIAN, T. N., and GASVODA, J. The effect of β irradiation on the respiration and morphology of Melanoplus differentialis embryos. Ill. State Acad. Sci. Trans. 44:235-252. Ref. 1951,pub.1952. 500 IL6

46033 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Control of mole crickets [Gryllotalpa hexadactyla]. U. S. D. A. L. 237,rev.,8 p. Feb.1953. 1 Ag84L

46034 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Grasshopper infestation expected in 1953. Denver,1953. map. 1.967 A2G76

46035 URQUHART, F. A., and BEAUDRY, J. R. A recently introduced species of European grasshopper [Roeseliana roeselii]. Canad. Ent. 85:78-79. Feb.1953. 421 C16

46036 UVAROV, B. P., and DIRSH, V. M. Orthoptera collected in Iran. Natforsch. Gesell. in Basel. Verhandl. 63:1-16. July 30,1952. 508 B29

SERICULTURE AND THE SILKWORM

46037 ARUGA, H., and NAGASHIMA, E. Studies on the formation of the larval markings in the silkworm. (In Japanese.) Jap. J. Breeding 2:51-54. Oct.1952. 64.8 J27
English summary.

46038 ARVY, L., BOUNHIOL, J. J., and GABE, M. Déroulement de la neuro-sécrétion protocérébrale chez Bombyx mori L. au cours du développement post-embryonnaire. Acad. des Sci. Compt. Rend. 236:627-629. Ref. Feb.9,1953. 505 P21

46039 DEMÍANOVSKÍĬ, S. IA., VASIL'EVA, N. V., and KONIKOVA, A. S. Investigation of protein metabolism in oak silkworm (Antheraea pernyi G.) with the aid of radioactive methionine. (In Russian.) Biokhimiía 17:529-534. Sept./Oct.1952. 385 B523

46040 EMME, A. M. Hydrochloric acid activation of mulberry silkworm [Bombyx mori] gut during the diapause. (In Russian.) Akad. Nauk SSSR. Dok. 88:381-384. Ref. Jan.11,1953. 511 P444A

46041 HOLOWAY, C. F., and BERGOLD, G. H. Iron content of an insect virus. Science 117:251-252. Mar.6, 1953. 470 Sci2
Bombyx mori.

46042 ITO, T. Nicotinic acid in the silkworm pupae. Jap. J. Genet. 27:75-78. Aug.1952. 442.9 J27

46043 KUTLOEV, ĬU. S. Practices of the leading sericulturists in Odessa Region. (In Russian.) Dostizheniía Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:43-45. Dec.1952. 20 D742

46044 LOMBARDI, P. L. Parallels between and considerations on crossings of silk worms reared in Italy and Japan. (In Italian.) Ann. della Sper. Agr. (n.s.) 7:221-234. 1953. 16 An76
English summary.

46045 LOMBARDI, P. L. Relationship between length and silken diameter. (In Italian.) Ann. della Sper. Agr. (n.s.)7:235-240. 1953. 16 An76
English summary.
In Bombyx mori.

46046 MASERA, E. Sericulture in Vicenza. (In Italian.) Agr. Vicentina 84(3):1-2. Feb.1,1953. 16 Ag8257

46047 SHCHERBAKOV, I. A., and BLAGUSHIN, I. I. Separating mulberry silkworm moths [Bombyx mori] by sex with the aid of a separator. (In Russian.) Dostizheniía Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:46-47. Dec.1952. 20 D742

46048 STATISTICHE seriche italiane 1952 [Italian sericultural statistics, 1952]. B. di Inform. Seriche 25 (1,sup.),13 p. Jan.3,1953. 425.9 En8B

46049 TAKIZAWA, Y. Variation in size of the chromosomes of silkworms following the different methods of fixation. Jap. J. Genet. 27:69-71. Aug.1952. 442.9 J27

46050 TANAKA, Y. Kasan idengaku [Genetics of the silkworm]. Tokyo,Shokabo,1952. 576 p. 425 T153

46051 TOUMANOFF, C., and VAGO, C. Etude histopathologique des vers a soie atteints de Bacillus cereus var. alesti. Inst. Pasteur. Ann. 84:376-385. Ref. Feb. 1953. 448.3 An75

46052 VANDERFLAAS, L. K. Rearing [oak] silkworm on dry [Betula] leaves. (In Russian.) Priroda 41(10):121. Oct.1952. 410 P933

46053 ZHELNIN, V. Cold resistance of the wintering pupae of the Chinese oak silkworm (Antheraea pernyi Guer.) (In Russian.) Zool. Zhur. 31:778-779. Sept./Oct. 1952. 410 R92

SMALLER ORDERS

46054 AUBERT, J. Plécoptères décrits par le R.P.L. Navas S.J. 2-3. Schweiz. Ent. Gesell. Mitt. 25:239-250. Oct.20,1952. 420 Sw6

46055 AUBERT, J. Plecoptéres recoltés par Mr. F. Schmid en Espagne. Eos 28:249-270. Apr./Sept.1952. 421 Eo7
Includes new species in Nemoura, Leuctra, Isoperla.

46056 BEAUMONT, J. DE. Psocoptères de Suisse romande. Soc. Vaud. des Sci. Nat. B. 65:293-300. 1952. 508 L37

46057 BICK, G. H. The nymph of Miathyria marcella (Selys) (Odonata, Libellulidae). Ent. Soc. Wash. Proc. 55: 30-36. Ref. Feb.1953. 420 W27

46058 BOLLOW, H. Netzflügler (Neuroptera). Natwiss. Grundbegriffe f. die Landbauliche Praxis, Zool. Reihe 26,4 p. In Pflanzenschutz 4(10). Oct.1952. 464.8 P48

46059 CARAYON, J. Des dégâts provoqués par les termites à Paris. Feuille des Nat. (n.s.)7:91-92. Nov./Dec.1952. 410 F432

46060 COOK, E. F. The trichodectid of the hog-nosed skunk, Conopatus leuconotus Lichtenstein (Mallophaga: Trichodectidae). Ent. News [Philadelphia] 64:60-67. Mar.1953. 421 En88
Neotrichodectes spatulatus n. sp.

46061 EDMUNDS, G. F. A bibliographic note on three species of Ephemeroptera described by Say. Ent. News [Philadelphia] 64:45. Feb.1953. 421 En88

46062 GARDNER, A. E. The life-history of Leucorrhinia dubia (Van der Lind) (Odonata). Ent. Gaz. 4:45-65. Jan.1953. 421 En834

46063 GOSS, R. J. The advanced embryology of the book louse, Liposcelis divergens Badonnel (Psocoptera; Liposcelidae). J. Morph. 92:157-205. Ref. Jan.1953. 444.8 J826

46064 HAARER, A. E. A colony of white-ants. Countryman [Burford] 47:158-161. Spring 1953. 281.28 C832
Habits and behavior.

46065 HARD, G. C. Note on mayfly nymphs occurring in the Auckland district. New Zeal. Ent. 1(2):11-12. Sept.1952. 421 N48

46066 HARRISON, R. A., and JACKS, H. Control of onion thrips. I. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:335-338. Dec.1952. 514 N48A
Thrips tabaci.

46067 HASSLER, K. E.D.B.—a new approach to sub control. Pest Control 21(3):37-38. Mar.1953. 449.8 Ex8
Ethylene dibromide for termite control.

46068 HERFS, A. Ist naturindigo termitenecht? Melliand Textilber. 34:50. Jan.1953. 304.8 T312
English summary.
Studies the question of indigo-dyed textiles resistance to termites.

46069 HOFENEDER, K. Verzeichnis der Strepsiptera und ihrer wirte. Beitr. z. Ent. 2:473-521. Ref. Oct. 1952. 421 B392
Supplement revised by L. Fulmek.

46070 ILLIES, J. Die europäischen arten der Plecopterengattung Isoperla Banks (= Chloroperla Pictet). Beitr. z. Ent. 2:369-424. Ref. Oct.1952. 421 B392

46071 LONGFIELD, C. The Atoconeura problem (Odon., Libellulidae). Entomologist 86:42-49. Feb.1953. 421 En8

46072 MORSE, W. J., and BLICKLE, R. L. A check list of the Trichoptera (caddis flies) of New Hampshire. Ent. News [Philadelphia] 64:68-73. (Cont.) Mar.1953. 421 En88

46073 OKUMURA, T. Dragonflies of Shikoku. (In Japanese.) Nat. Sci. & Mus. 19:144-152. Aug.1952. 409.6 Sh6
English summary, p.169.

46074 POLLITZER, R. Plague studies. 7. Insect vectors. World Health Organ. B. 7:231-342. Ref. 1952. 449.9 W892B
Chiefly fleas.

46075 RAWSON, H. R. Iodine for thrip control. Gladiolus Mag. 17:27,29. Feb.1953. 96.43 N44

46076 ROSS, H. H., and HWANG, C. L. Some interesting Chinese species of Glossosoma (Trichoptera, Rhyacophilidae). Ent. Soc. Wash. Proc. 55:6-9. Feb.1953. 420 W27
Including new species.

46077 SATCHELL, G. H. The order of Protura in New Zealand. New Zeal. Ent. 1(2):11. Sept.1952. 421 N48

46078 SCHMID, F. Le groupe de Lenarchus Mart. (Trichopt. Limnophil.). Schweiz. Ent. Gesell. Mitt. 25: 157-210. Oct.20,1952. 420 Sw6
Includes new species and subgenera in Lenarchus; also new genus Lenarchulus.

46079 SCHMID, F. Los insectos de las Islas Juan Fernandez. 4. Trichoptera. Rev. Chilena de Ent. 2:29-34. Dec.19,1952. 421 R329
Text in French.
Includes new species in Australomia.

46080 STANNARD, L. J. Distribution of Trachythrips watsoni in Illinois (Thysanoptera: Phlaeothripidae). Ill. State Acad. Sci. Trans. 44:216-221. 1951,pub.1952. 500 IL6

46081 STANNARD, L. J. The genus Halmathrips Hood (Thysanoptera, Thripidae). Ent. Soc. Wash. Proc. 55:1-6. Feb.1953. 420 W27
Includes new species.

46082 UNDER wraps. Dow Diamond 16:22-25. Feb. 1953. 381 D752
Methyl bromide fumigation to control termites.

46083 WOODLAND, J. T. The styli of the firebrat, Thermobia domestica (Packard). Pa. Acad. Sci. Proc. 24:27-32. 1952. 500 P383

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

46084 ALIMOV, V., and RIAZANOV, V. Planning and allocation of livestock raising farms. (In Russian.) Sel'sk. Stroitel' 7(5):12-13. Sept./Oct.1952. 296.28 Se4
Layout.

46085 BALL, R. C., and TAIT, H. D. Production of bass and bluegills in Michigan ponds. Mich. Agr. Expt. Sta. Tech. B. 231,24 p. Ref. June 1952. 100 M58S

46086 BALL, R. C., and FORD, J. R. Production of food-fish and minnows in Michigan ponds. Mich. Agr. Expt. Sta. Q. B. 35:384-391. Feb.1953. 100 M58S

46087 BUGBEE, P. A new plan for farm fire prevention. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56: 67-70. 1952. 284.69 N19

46088 DUDMAN, R. A. The British agricultural engineering industry. Westminster Bank Rev., Feb.1953: 17-19. 286.8 W52

46089 ELLSWORTH, A. The ideal poultry plant. Albers Egg Maker 31:10-11. Spring 1953. 47.8 AL1
Farm layout.

46090 FARM road making by soil stabilization. Farm Mech. 5:106-107. Mar.1953. 58.8 B772

46091 GRANT, E. C. Don't let it burn. Breeder-Stockman 14(10):15,116-118,120. Mar.1953. 49 V81
Farm fires.

46092 HAMILTON, C. L. Farm tractor operating casualties. Farm Safety Rev. 11(2):8-9. Mar./Apr. 1953. 449.8 F22

46093 JORDBRUKSTEKNISKA INSTITUTET. Jordbrukstekniska Institutes verksamhet, 1951-1952 (budgetåret 1/7 1951-30/6 1952) [Work of the Swedish Institute of Agricultural Engineering, 1951-1952 (fiscal year 7/1/1951-6/30/1952]. Jordbrteck. Inst. Meddel. 245, 24 p. 1952. 58.9 J762

46094 KHERDEKAR, D. N. Extension approach in agricultural engineering. Indian Farming (n.s.)2(11):26-27,31. Feb.1953. 22 In283

46095 LAYCOCK, G. Cheap way to banish mud roads. Country Gent. 123(3):41,94-95. Mar.1953. 6 C833
Soil-cement surfacing.

46096 LEES, A. B. Safety with farm implements. Good Husb. 2(7):9,11. Mar.1952. 24 G59

46097 MANN, D. Here's an ideal farmstead layout. 2. Kans. Farmer 90(4):4,38. Feb.21,1953. 6 K13

46098 MERRILL, E. D. Self-feeding silos aid safety. Farm Safety Rev. 11(2):3. Mar./Apr.1953. 449.8 F22

46099 NOETZLI, R. Unser frontlader—ein ungemein vielseitiges gerät. Osterr. Landtech. 5:303-305. Nov. 1952. 58.8 L236

46100 PADROS ARCHS, J. Lo que debe y lo que no debe hacerse en los accidentes de trabajo, especialmente en el campo. II. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:58-59. Mar.1952. 15 C14

46101 PALMER, C. B. Never take chances with fire. Westralian Farmers Co-op Gaz. 23:251-252. Nov. 1952. 280.28 W522

46102 RAMIREZ CALDERON, R. Aplicación de los explosivos en la agricultura. Res 21:27751. Jan.20,1953. 286.85 R31

46103 ROBIONY, D. Threshing, a dangerous job. (In Italian.) Macch. e Motori Agr. 11:159-163. Feb.1953. 58.8 M13
Statistics on farm accidents in Italy.

46104 RUSH, J. D. Playing it safe on the farm as we grow older. Agr. Situation [Washington] 37(3):13. Mar. 1953. 1 Ec7Ag

46105 SCHAEFER, R. Rural women's role in safety. Farm Safety Rev. 11(2):11-14. Mar./Apr.1953. 449.8 F22

46106 USE OF farm sprayers for fire protection. Farm Equip. Dealer 9(3):44-45. Mar.1953. 58.8 F2224 Canada.

46107 WALZER, L. Zapfwelle und unfallverhütung. Osterr. Landtech. 5:300-301. Nov.1952. 58.8 L236

46108 WILLIAMS, B. What is agricultural engineering? Ala. Farmer 32(4):7-8. Jan.1953. 276.8 AL1

FARM MACHINES AND EQUIPMENT

46109 AEBISCHER, D. C. Farm machinery workshops in Wisconsin; an in-service training program for instructors in agriculture. Agr. Educ. Mag. 25:209. Mar.1953. 275.8 Ag8

46110 ALBERT, W. Neue grosse aufgaben der agrartechnik. Deut. Agrartech. 2:225-227. Aug.1952. 58.8 D482
Equipment.

46111 ALBERT, W. Schlussfolgerungen und lehren. Deut. Agrartech. 2:357-359. Dec.1952. 58.8 D482
Mechanization.

46112 ALBINUS, G. Als landtechniker in Moskau. Deut. Agrartech. 2:257. Sept.1952. 58.8 D482
Equipment.

46113 ALDROVANDI, A. Mechanization of sugar beet culture. (In Italian.) Indus. Sac. Ital. 45:423-431. Nov./Dec.1952. 65.8 In23

46114 ANDRONOV, A. L. To introduce in every way the mechanization of hard work in animal husbandry on collective farms. (In Russian.) Sotsialist. Zhivotnovod. 15(1):68-70. Jan.1953. 49 So71

46115 AUGE. Réflexions sur la mécanisation de l'équipement des agricultrices françaises. France. Min. de l'Agr. Rev. Etudes & Monog. 80:279. Mar.1953. 281.8 F84

46116 AUSTRALIA. TARIFF BOARD. Report on hay, digging and stable forks and potato hooks. 20th Mar. 1952, tariff revision. Canberra,1952. 10 p. 58 Au7R

46117 AUTILIA, D'. General conditions of mechanization in Europe. (In Italian.) Humus 9:26-27. Jan. 1953. 16 H88

46118 BARATTE, J. Grandeur et servitude du machinisme agricole. Génie Rur. 46:49-50. Feb.1953. 58.8 Au8

46119 BECKERICH, A. Le Salon de la Machine Agricole 1953. Génie Rur. 46:51-52. Feb.1953. 58.8 Au8

46120 BECKMAN, E. M. Un essai de mécanisation de l'agriculture au Congo Belge. Gent. Foire Internatl. Annu. Colon. 2:83-87. 1952. 280.9 G34

46121 BERTHAULT, P. Mécanisation des fermes et bétail. Rev. Agr. de l'Afrique du Nord 51:6-8. Jan.2, 1953. 80 R326

46122 BERTHAULT, P. Mécanisation des fermes et concentration agricole. Rev. Agr. de l'Afrique du Nord 51:61-63. Jan.16,1953. 80 R326

46123 BETTI, A. Western manufacturers alarmed by possible Soviet competition. (In Italian.) Macch. e Motori Agr. 11:49-52. Jan.1953. 58.8 M13

46124 BIELFELDT, H. Ist der erdantrieb bei landmaschinen überholt? Deut. Agrartech. 2:346-347. Nov. 1952. 58.8 D482

46125 BIESALSKI, E. Die arbeitsgeräte in hof und stall. Deut. Landwirt.-Gesell. Mitt. 68:59-61. Jan.15, 1953. 18 N39

46126 BISMARCK, L. VON. Auf handfesten unterlagen aufbauen. Landtechnik 8:91-92. Feb.28,1953. 58.8 L235
Equipment.

46127 BLANC, A. L'équipement rural—ses repercussions sociales et industrielles. Chambre Franç. d'Agr. des Régions de Rabat, du Rharb et d'Ouezzane. B. 18: 3439-3440,3442-3445. Oct.1952. 24 C352

46128 BLANC, A. Le machinisme agricole, ses répercussions sociales et industrielles. (Extr.) Terre Marocaine 27(278):17-18. Jan.1953. 24 T44
France.

46129 BLASCH. Landmaschine und handelsdünger. Salzburger Bauer 7(45):1-2. Nov.6,1952. 19 Sa3

46130 BLASL, A. Landmaschinenschule Wegscheid. Bauer 6(4):3-4. Jan.24,1953. 19 B32

46131 BRCIC, J. Mechanization of labor in potato production. (In Serbo-Croatian.) Biljna Proizvodnja 5:249-263. Ref. Nov./Dec.1952. 64.8 B49

46132 BREDOW-STECHOW, VON. Wie können wir den bäuerlichen menschen entlasten? Deut. Landwirt.-Gesell. Mitt. 68:249-250. Mar.12,1953. 18 N39
Mechanization.

46133 BUCHHOLZ, H. Fördereinrichtungen in der landwirtschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1331,1333. Aug.28,1952. 18 L2346

46134 BÜTTNER, H. R. Die aufgaben der fachgruppe agrartechnik in der kammer der technik. Deut. Agrartech. 2:377-379. Dec.1952. 58.8 D482

46135 BUTTNER, H. R. Helft alle bei der entwicklung der landtechnik. Deut. Agrartech. 2:335-336. Nov.1952. 58.8 D482

46136 CAVINA, R. Economic advantages of mechanization of agriculture. (In Portuguese.) Granja [Porto Alegre] 9(67):32. Oct.1952. 9.2 G76

46137 CAZARIN, B. L. Equipment and mechanization of agriculture. (In Portuguese.) Granja [Porto Alegre] 9(67):25-28. Oct.1952. 9.2 G76

46138 CHABERT, F. DE. Mecanisation et crise vinicole. Génie Rur. 46:62. Feb.1953. 58.8 Au8

46139 CONANT, M. Competition in the farm-machinery industry. Chicago. U. J. Business 26:26-36. Jan.1953. 280.8 J825

46140 COSOLO, S. Statistical data and brief considerations on agricultural mechanization in Rio Grande do Sul. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2,p.183-192. Firenze,1952. 282.2 R66

46141 DELLENBACH, P., and LACOMBE, R. Journées de démonstration de motoviticulture. VII. Prog. Agr. et Vitic., Jan.18/25,1953:34-37. 14 P94

46142 DUVIGNAC, A. Les journées de motoviticulture à Montpellier. Culture 39:3-5. Nov./Dec.1952. 14 C894

46143 ELAM, F. L. Conveyor saves chore time; a manager with a homemade conveyor saves labor in feeding chopped hay and silage. Hoard's Dairyman 98: 280-281. Mar.25,1953. 44.8 H65

46144 ENGENE, S. A., and RORHOLM, N. Machinery-servant or master. Minn. Farm & Home Sci. [Minn. Sta.] 10(2):4-5. Feb.1953. 100 M668
Machinery costs.

46145 FARMER, S. F. A machinery pool for estate farms. Power Farmer 10:106-107. Mar.1953. 58.8 P872

46146 FINKENZELLER, R. Landtechnik in aller welt 1952. Ubersicht 3(12):34-38. Dec.1952. 18 Ub3

46147 FOSSUM, D. Feed truck rides the rails; it serves three pens without passing through a gate. Elect. Farm Mag. 26(3):8. Mar.1953. 335.8 EL27

46148 FRENCH, G. W. The extent of spring mechanization in the eastern beet area, 1951. Amer. Soc. Sugar Beet Technol. Proc. 7:591-592. 1952. 66.9 Am35

46149 FRICK, G. E. Here's what you need to know about helping farmers decide when to hire and when to own equipment. Impl. & Tractor 68(4):38-39. Feb.14, 1953. 58.8 W41

46150 GARANIN, F. Complex mechanization of potato culture. (In Russian.) Kolkhoz. Proizvodstvo 13:42-45. Jan.1953. 281.8 K83

46151 GEMEREN, P. VAN. Are our hand tools too heavy? (In Dutch.) Groenten en Fruit 8:521. Jan.15, 1953. 80 G89

46152 GEMEREN, P. VAN. There are no poor machines. (In Dutch.) Groenten en Fruit 8:572. Feb.5, 1953. 80 G89
Operation of equipment.

46153 GILLING, A. T. Maquinaria agrícola para el mundo entero. Cooperación [Madrid] 130:18-19. Dec. 1952. 280.28 C7875
The Smithfield exposition.

46154 GILMAN, W. Up—over—and down; two motors handle all grain in this poultry house. Elect. Farm Mag. 26(3):10. Mar.1953. 335.8 EL27
Conveyor.

46155 GOERSCH, G. Nochmals: aktuelle probleme der agrartechnik. Deut. Agrartech. 2:343-345. Nov.1952. 58.8 D482

46156 GORBACHEV, S., and KOCHER, S. Utilization of TEK-2 potato digger for loading peat crumbs. (In Russian.) Mashinno-Traktornaia Sta. 12(10):9. Oct.1952. 58.8 M11

46157 THE GREEN book. Brit. Tractors & Farm Mach. 2(5),330 p. 1953. 58.8 B773

46158 GRIFFITHS, D. J., and WIBBERLEY, G. P. Some effects of farm mechanization. Gt. Brit. Min. Agr. Agriculture 69:527-531. Feb.1953. 10 G79J

46159 HAARER, A. E. Sorghums, valuable food grains for semi-arid countries. Commonwealth Prod. 333:5. Jan./Feb.1953. 286.8 Em7
Mechanized farming.

46160 HALL, E., and BABCOCK, J. Share labor and machinery. Country Gent. 123(3):46,115-117. Mar.1953. 6 C833

46161 HARRISON, E. S. What about our farm machinery? Holstein-Friesian World 50:491-492,551. Mar.7,1953. 43.8 H742
Problems of a mechanized agriculture.

46162 HERMAN, A. La création, l'utilité, le developpement d'une coopérative d'utilisation de matériel agricole dans la province de Liège. Inst. Prov. de Coop. Agr. B. 12:16-28. Feb.1953. 280.29 L62

46163 HIGGINS, F. H. California cotton conference. Diesel Prog. 19(3):39-41. Mar.1953. 291.8 D56
Discusses cotton mechanization.

46164 HOECHSTETTER, H. Gemeinschaftliche maschinenverwendung in Schweden. Landtechnik 8:72-74. Feb.15,1953. 58.8 L235

46165 HOFFMANN, G. Maschinen zur veredlung und förderung körniger fruchtarten. Deut. Agrartech. 2:273-277. Sept.1952. 58.8 D482

46166 JACOBSON, P., and WEISS, W. Farming terraced land. U. S. D. A. L. 335,12 p. 1953. 1 Ag84L
Operation of farming equipment on terraced land.

46167 JOLLEY, P. W. R. Conveyors and grain drying. Inst. Brewing. J. (n.s.)50:15-24. Jan./Feb.1953. 390.9 In7

46168 JULAY, R. H. At Smithfield the English equipment has a show. (In Italian.) Macch. e Motori Agr. 11:151-156. Feb.1953. 58.8 M13

46169 KABANOVICH, A. I. Introduction of mechanization into the [livestock] farms of Belorussian state farms. (In Russian.) Sotsialist. Zhivotnovod. 14(11):84-86. Nov.1952. 49 So71

46170 KAKIMOV, T. Services of a livestock farming machine station. (In Russian.) Kolkhoz. Proizvodstvo 13:40-41. Jan.1953. 281.8 K83
Equipment.

46171 KALLBRUNNER, H. Die neue maschine braucht neue menschen. Osterr. Landtech. 5:299-300. Nov.1952. 58.8 L236

46172 KANAFJOJSKI, C. Eine agrarmechanische abteilung des Polytechnikums in Warszawa gebildet. Deut. Agrartech. 2:313. Oct.1952. 58.8 D482

46173 KEIL, G. Aufgaben und schwerpunkte für die landmaschinenindustrie im planjahr 1953. Deut. Agrartech. 3:1-3. Jan.1953. 58.8 D482

46174 KHERDEKAR, D. N. Survey of indigenous agricultural implements of India. Indian Farming (n.s.)2(11): 16-17,23. Feb.1953. 22 In283

46175 KHOKHLOV, I., and LAKHTINA, Z. Machine for dry treatment of cotton seeds for gummosis. (In Russian.) Khlopkovodstvo 11:69-71. Nov.1952. 72.8 K522

46176 KIRTBAĬA, Ĭu. K. Investigation of dynamics of traction resistance in agricultural machines and implements. (In Russian.) Sel'khozmashina 12:7-14. Dec. 1952. 58.8 Se42

46177 KNOEFEL, J. Mechanisierung der innenwirtschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 1337. Aug.28,1952. 18 L2346

46178 KOSTIN, S. Problems in mechanization of hard work on state farms. (In Russian.) Mīasnaīa Indus. SSSR. 23(6):64-67. Nov./Dec.1952. 50.8 M58

46179 KRIEBEL, M. Nachlese zur maschinenschau in Münster. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 1609-1610. Oct.2,1952. 18 L2346

46180 KRUGER, J. Wie kann die zuckerrübenpflege und -ernte erleichtert werden? Deut. Agrartech. 2:236-238. Aug.1952. 58.8 D482

46181 LABROUSSE, G. Un effort de coordination est nécessaire pour obtenir de meilleurs résultats en mécanisation agricole dans les T.O.M. Marchés Colon. du Monde 9:409-411,413. Jan.31,1953. 286.8 M33

46182 LACOMBE, R. Le salon de la machine agricole va fêter son vingt-cinquième anniversaire. Prog. Agr. et Vitic., Mar.1/8,1953:127-130. 14 P94

46183 LENTZ, J. H. Maschinenanschaffungen? Ja!—Aber wie? I. Hannoversche Land- u. Forstwirt. Ztg. 106: 55. Jan.17,1953. 18 H194

46184 LENTZ, J. H. Maschinenanschaffungen? Ja!—Aber wie? II. Hannoversche Land- u. Forstwirt. Ztg. 106:89,92. Jan.24,1953. 18,H194

46185 LEVYKIN, N. Question of mechanization of agricultural production. (In Czech.) Za Socialist. Zemedel. 2:1415-1418. Dec.1952. 19.5 Z1

46186 LIKHACHEV, V. S. On the work of the State machine testing stations. (In Russian.) Sel'khozmashina 10:16-17. Oct.1952. 58.8 Se42

46187 LUTSKII, IA. Z. Experience from the work of livestock farming machine stations. (In Russian.) Kormovaīa Baza 3(11):56-58. Nov.1952. 60.8 K84

46188 MACHINE and tool blue book; 1953 directory. Wheaton,Ill.,1952. 662 p. 225 M18

46189 MAĬAT, A. S. On VISKHOM's [All-Union Scientific-Research Institute for the Construction of Agricultural Machinery] work in connection with the problems of agricultural machinery construction during the Fifth Five-Year Plan. (In Russian.) Sel'khozmashina 1:3-9. Jan.1953. 58.8 Se42

46190 MAIER, E. A. A story of sugar cane machinery. New Orleans,Sugar J.,1952. 48 p. 58 M283

46191 MARKIN, M. D. Experience of the Ul'īanovskaīa MTS in strengthening the forage base. (In Russian.) Kormovaīa Baza 3(12):48-50. Dec.1952. 60 K84
Mechanization.

46192 MOORE, D. Our best bet; you can handle silage faster and easier with an elevated rail-cart that rolls high above feed-lot mire. Country Gent. 123(3):40. Mar. 1953. 6 C833

46193 MOTZEK, G. Die landmaschine im zeitgeschehen. Landtechnik 8:87-90. Feb.28,1953. 58.8 L235

46194 MUNDE. Gefühlsmässige entscheidung reicht nicht aus. Landtechnik 8:59-60. Feb.15,1953. 58.8 L235
Mechanization.

46195 NOELL, G. Die mechanisierung der landwirtschaft und ihre finanzierung. Landtechnik 8:31-33. Jan.31,1953. 58.8 L235
Germany.

46196 NOWATZKY, E. Was zeigte uns die industrie auf der landwirtschafts- und gartenbau-ausstellung? Deut. Agrartech. 2:261-265. Sept.1952. 58.8 D482

46197 OVSĬANNIKOV, A. Every kind of support for all collective farm innovators and inventors. (In Russian) Kolkhoz. Proizvodstvo 13:48-49. Jan.1953. 281.8 K83
Mechanization chiefly.

46198 PANDIT, P. T. Towards mechanisation. Bansilal Amritlal Agr. Col. Mag. 6:14-16. Sept.1952. 22 B22
In India.

46199 PARISINOS, C. Farm mechanisation. Countryman [Nicosia] 6(11):7-9. Nov.1952. 25 C83
Advantages and disadvantages in Cyprus.

46200 PATTISON, E. P. Experiences with spring mechanization. Amer. Soc. Sugar Beet Technol. Proc. 7:593-595. 1952. 66.9 Am35

46201 PETERSEN, H. J. Impressions about this years machinery demonstrations. (In Danish.) Tidsskr. f. Landøkon. 2:61-72. Feb.1953. 11 T43

46202 POWER FARMING IN AUSTRALIA AND NEW ZEALAND. Technical annual, 1952. Sydney,1952. 315 p. 58.8 P873

46203 POZZI, E. Le macchine agricole; scelta, uso, manutenzione [Agricultural equipment; selection, use, maintenance]. Milano,Vallardi,1952. 178 p. (Biblioteca di Cultura 239) 58 P873

46204 REHRL, K. Voraussetzungen für die mechanisierung in der schwedischen landwirtschaft. Osterr. Landtech. 5:305-307. Nov.1952. 58.8 L236

46205 REINAU. Was war und ist uns Meyenburg? II. Tech. f. Bauern u. Gärt Ausg. A 4:553-554. Dec.25,1952. 58.8 T223
Mechanization in Germany.

46206 RICHARZ, H. Rückblick—ausblick. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:42. 1953. 18 K96
Equipment in Germany.

46207 RIES, L. W. Die mechanisierung allein tut's nicht! Landwirt. Wchnbl. f. Westfalen u. Lippe 109A: 1330-1331. Aug.28,1952. 18 L2346

46208 ROTHMANN, S. Landwirtschaftliche förderanlagen. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:25-29. 1952. 18 K96
Conveyers, hoists, and other similar equipment.

46209 SACHOWALER, J. J., and ULJACHIN, N. G. Neuer mechanischer rübenverlader. Deut. Agrartech. 2: 293-295. Oct.1952. 58.8 D482

46210 SAJA, F. Mechanize the small farms with State help. (In Italian.) Macch. e Motori Agr. 11:133-138. Feb.1953. 58.8 M13

46211 SAMSONOV, G. Mechanization of livestock raising farms. (In Russian.) Mashinno-Traktornaîa Sta. 12(11):16-18. Nov.1952. 58.8 M11

46212 SCHMIDT, G. Landtechnische neuerungen Amerikas. Deut. Agrartech. 2:282-283. Sept.1952. 58.8 D482

46213 SCHNELLBACH, O. German farm machines for tropical and subtropical regions. Ubersee-Post 1: 39-42. Jan.2,1953. 286.8 Ub3

46214 SCHUMANN, W. Gute ersatzteilplanung voraussetzung einer guten einsatzbereitschaft unserer landmaschinen. Deut. Agrartech. 2:245,248. Aug.1952. 58.8 D482

46215 SEGLER. Das Institut für Landmaschinen-Forschung. Landbforsch. Völkenrode 3:10-11. Jan.1953. 18 L2353

46216 SEIDLER. Die wirtschaftlichkeit entscheidet. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:36-38. 1953. 18 K96
Equipment costs in Germany.

46217 SHATTOCK, W. S. The best equipment for the small farm. Power Farmer 10(2):70-71. Feb.1953. 58.8 P872

46218 SHISHKOV, G. I. Achievements in mechanization of [livestock] farms on collective farms in Rybnov District [Ryazan Region]. (In Russian.) Sotsialist. Zhivotnovod. 15(1):64-67. Jan.1953. 49 So71

46219 SIEMER. Deula-landmaschinen-lehrgänge der landwirtschaftsschulen. Landwirtbl. Weser-Ems 100:85-86. Jan.22,1953. 18 L2345

46220 SILIN, A. G. Mechanization of vegetable and potato growing kolkhozes. (In Russian.) Sad i Ogorod 12:59-62. Dec.1952. 80 Sa13

46221 SIMON, W. Typisierung und vereinfachung von landmaschinen. Deut. Agrartech. 2:239-240. Aug.1952. 58.8 D482

46222 SITTON, G. R. Mechanized rice production; mechanical equipment involving high investments has greatly reduced needs for scarce and expensive labor. Calif. Agr. [Calif. Sta.] 7(2):2. Feb.1953. 100 C12Cag

46223 SOLOV'EV, E. Mechanization of hard work [on state farms] in fattening livestock with malt grains and bagasse. (In Russian.) Miasnaîa Indus. SSSR. 24:73-78. Jan./Feb.1953. 50.8 M58

46224 STAUFFER, O. Internationale landmaschinen- und schleppernormung. Landtechnik 8:65-69. Feb.15,1953. 58.8 L235

46225 STEELE, J. N. H. Modern trends and future developments in agricultural machinery. Scot. Farmer 61(3141):45-48. Jan.1,1953. 10 Sco8

46226 STOLL, W. Normung der spurweiten bei vielfachgeräten. Landtechnik 8:34-35. Jan.31,1953. 58.8 L235

46227 SUISSE, P. Agricultural modernization in Morocco. (In Italian.) Riso 2:14-16. Jan.1953. 59.8 R49
Mechanization.

46228 TIPPIT, J. W. Texas potentialities in agricultural implement production. Tex. Engin. Expt. Sta. Res. Rpt. 41,15 p. Feb.1953. 290.9 T31R

46229 TUFANOV, P. S. Experience of the Ostretsov MTS in organizing seed production of perennial grasses. (In Russian.) Kormovaîa Baza 4:56-59. Jan.1953. 60.8 K84
Equipment.

46230 URRUTIA, O. E. DE. Faenas agricolas de ayer y de hoy. Bolsa de Com. Rosario. Rev. 41(984/985): 9-10,12. Jan.31,1953. 287 R71
Chiefly on mechanization.

46231 USHAKOV, A. F., and KUTSURUBA, N. V. Use of self-loader of the M. D. Obryvko system in loading sugar beets. (In Russian.) Sakh. Promysh. 26(11):24-26. Nov.1952. 65.8 Sa2
Labor-saving bulldozer loading for transportation.

46232 VADE, S. Comment mécaniser l'agriculture montagnarde. Vie à la Campagne 42:67-69. Feb.1953. 80 V67

46233 VYSOTSKII, A. A. Dynamograph for [measuring] power from 0.1 to 10 kilograms. (In Russian.) Sel'khozmashina 1:21-24. Jan.1953. 58.8 Se42
In testing agricultural equipment.

46234 WAECHTER, H. VON. Zur einleitung. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:2. 1953. 18 K96
Equipment in feed and milk production in Germany.

46235 WESSEL, F. W. Maschinenberatung im rahmen der arbeiten der Landwirtschaftskammer. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:873. June 5,1952. 18 L2346

46236 WHEELOCK, E. More machines—more food; farmers refute Malthus theory with modern day implements. Future Farmer 24(9):12-13. Apr.1952. 4 F983

46237 WILLIAMS, S. A. Progress of cotton mechanization in South Carolina. Cotton Gin & Oil Mill Press 54 (6):108-109. Mar.14,1953. 304.8 C822

46238 WRIGHT, S. J. Farm implements and machinery. Roy. Agr. Soc. Eng. J. 113:150-170. Ref. 1952. 10 R81

46239 ZHUKOVSKII, K. Complex mechanization of work on the rice growing farms. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(12):49-52. Dec.1952. 281.8 So73

46240 ZUROSKE, C. H. Economics of mechanical orchard hoists. Wash. State Hort. Assoc. Proc. 48:168-169. 1952. 81 W273

Animal Husbandry Equipment

46241 BELLO, C., and ARNAL H. El ordeño mecánico. Res 21:27782-27783. Feb.5,1953. 286.85 R31

46242 BYRNES, D. Practical brooding equipment. Albers Egg Maker 31:6-8. Spring 1953. 47.8 AL1

46243 CECIL, L. Brooding with use of infra-red lamps. Mod. Poultry Keeping 68:202-203. Feb.25,1953. 47.8 Eg3

46244 CECIL, L. Take your choice of brooder. Mod. Poultry Keeping 68:258-259. Mar.11,1953. 47.8 Eg3

46245 CLAYBAUGH, J. H. Practical poultry equipment. Nebr. Agr. Col. Ext. C. 1441,rev.,24 p. Dec.1952. 275.29 N272Ex
Plans for building poultry equipment.

46246 EISENREICH, L. Die ergebnisse der DLG-prüfungen neuer melkmaschinen. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:47-70. 1952. 18 K96

46247 FREI. Merksätze für den einsatz von melkmaschinen. Bauern-Ztg. 6(8):9. Feb.27,1953. 18 B324
Germany.

46248 GLOSEL, A. Uber die mechanisierung der melkarbeit in Osterreich. Osterr. Milchwirt. 8:17-19. Jan.21,1953. 44.8 Os72

46249 GORETSKII, B. K. Mechanization—an essential condition for the advancement of poultry production. (In Russian.) Ptitsevodstvo 11:2-4. Nov.1952. 47.8 P95

46250 GRIEGER, P. Ein billiger futterautomat. In Deut. Kleintier-Züchter 8(2):1. Jan.20,1953. 49 D483

46251 GROLLERON. Vous pouvez construire vous-même une couveuse électrique. Rustica 26:127,149,173, 199. Feb.8-Mar.1,1953. 14 R92

46252 HOBSON, P. M., FRANKLIN, P. M., and THOMAS, S. B. Farm trials with the wet storage method for the treatment of milking machine clusters. Soc. Dairy Technol. J. 6:39-42. Jan.1953. 44.8 So12

46253 HOLTBY, P. Henyards for farmers. 2. Elaborate fittings not necessary. (Extr.) Poultry 112:38. (Cont.) Jan.20,1953. 47.8 P869

46254 HUMMES. Richtiges maschinenmelken. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1343-1344. Aug.28,1952. 18 L2346

46255 HYER, E. P. Brooding from the ground up; heating cable in concrete slab provides ideal brooding conditions. Elect. Farm Mag. 26(3):12,14-15. Mar.1953. 335.8 EL27

46256 IVANOV, T. I. Ventilation in Rekord-39 incubator. (In Russian.) Ptitsevodstvo 11:23. Nov.1952. 47.8 P95

46257 KEEPERS, F. Making hog chores easier. Breeder's Gaz. 118(4):12. Apr.1953. 49 B74
Equipment.

46258 KRIVOGUZ, V., and ROMANENKO, A. Improved method of installing watering equipment [for cattle]. (In Russian.) Mashinno-Traktornaîa Sta. 12(11):18-19. Nov.1952. 58.8 M11

46259 KUCHUKOV, A. F., and KOVTUN, A. T. Leading methods in machine fattening of poultry. (In Russian.) Ptitsevodstvo 11:16-17. Nov.1952. 47.8 P95

46260 LABOUR saving in roughage feeding. Farm Mech. 5:108-110. Mar.1953. 58.8 B772

46261 LONGWILL, A., and BAILEY, C. M. Detusking of the boar. New Zeal. J. Agr. 86:22-24. Jan.15,1953. 23 N48J
Equipment and methods.

46262 MARLOW, J. C. Use milking machines correctly. Better Farming Methods 25(3):57-59. Mar.1953. 58.8 B46

46263 MONTGOMERY, G. A. Why not mechanize your feeding, too? Capper's Farmer 64(3):34,70-71. Mar. 1953. 6 M693

46264 OBEE, H. Qualitätsmilch durch melkmaschinen Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:71. 1952. 18 K96
Sanitation.

46265 PELCHAT, V. L'électricité au service du producteur de porcs. Digeste de l'Eleveur 7:14-16. Sept. 1952. 49 D56
Brooders.

46266 PETTIS, A. M. Electric chick brooding is on increase in Florida. Fla. Grower 61(2):16. Feb. 1953. 80 F6622

46267 RAKITIANSKII, P. P. Effectiveness of hard work mechanization on the livestock raising farms. (In Russian.) Sovet. Zootekh. 7(11):68-74. Nov.1952. 49 So822

46268 SCHERUGA. Rübenmusmühle "Heinzelmännchen" (gross-type). Osterr. Landtech. 5:288-289. Oct. 1952. 58.8 L236

46269 SNOOK, L. C. A simple and effective cow-bail. West. Austral. Dept. Agr. J. (ser.3)1:873-875. Nov./Dec. 1952. 23 W52J

46270 SOMMERFELD, J., and KRAUSE, A. Die Celler kükenaufzuchtbatterie. Deut. Kleintier-Züchter. Ausg. Geflügel 8(4):1-2. Feb.20,1953. 47.8 D484

46271 SOMMERFELD, J., and KRAUSE, A. Eine kükenaufzuchtbatterie mit verbesserter fütterungs- und tränkvorrichtung. Deut. Wirtgeflügelzucht. 25:213-214. Jan.24,1953. 47.8 D483

46272 STRONKS, G. W. A new method of instruction in machine milking. (In Dutch.) Stichting v. de Landb. Meded. 8:10-11. Jan.16,1953. 12 St5

46273 VAN AUKEN, E. Built-in farrowing crates. Country Gent. 123(3):42-43. Mar.1953. 6 C833

46274 WARD, F. Building the rope riding hackamore. West. Horseman 18(3):21. Mar.1953. 42.8 W522

46275 WHITTLESTONE, W. G. New ideas on the cleaning of milking machines. Massey Agr. Col. Dairy-farming Annu. 1952:149-151,153-157,159,161-163,165. 44.9 M382

46276 WINTERS, S. R. Brooding with heated floor slabs. Broiler Growing 4(3):19,40,42. Mar.1953. 47.8 B782

46277 WITT, M. Einsatz der melkmaschine. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26: 37-41 Ref. 1953. 18 K96
Germany.

46278 WITZEL, S. A. Pipe line milker and bulk handling of milk. Agr. Engin. 34:157-158. Mar.1953. 58.8 Ag83

46279 ZHELUDKOV, N. A. Timely preparation of incubators for use. (In Russian.) Ptitsevodstvo 11:20-21. Nov.1952. 47.8 P95

Cultivation and Tillage Equipment

46280 ALEKHIN, K. K. New construction of pole for a two level trellis. (In Russian.) Vinodel. i Vinograd. SSSR. 13:46-47. Jan.1953. 95.8 V77

46281 ALTUKHOV, M. K. Requirements for the operation of plowpoints in plowing alfalfa. (In Russian.) Sel'khozmashina 11:13-15. Nov.1952. 58.8 Se42

46282 BAIL, A., and EHRENPFORDT, G. Lässt sich die genormte kartoffellegewanne noch verbessern? Ein beitrag zur methodischen fortentwicklung genormter handgeräte. Deut. Agrartech. 2:324-328. (Cont.) Nov. 1952. 58.8 D482

46283 BARMINGTON, R. D. Sugar beet weeder. Amer. Soc. Sugar Beet Technol. Proc. 7:667-669. 1952. 66.9 Am35

46284 BODEN, H. Mohnbau ohne zeitraubende handarbeit. Landwirtschaft 3/4:47-49. Feb.1953. 19 L235

46285 BRIGGS, C. E. Cultivating clearances a-plenty. Fruit & Veg. Rev. 14(11):12-13. Feb.1953. 80 C1224

46286 BUNESS, E. Precision planting of row crops. Fruit & Veg. Rev. 14(11):11. Feb.1953. 80 C1224

46287 CANADA. DEPT. OF AGRICULTURE. Blade cultivators, their operation and adjustment. Canada. Dept. Agr. P. 879,8 p. Nov.1952. 7 C16Pu

46288 CHAUSSADE, J. Quoi de neuf en charrue? Génie Rur. 46:59-61. Feb.1953. 58.8 Au8

46289 DIXON, J. E., and BARMINGTON, R. D. 1951 mechanical thinning of sugar beets at Colorado A & M gives encouraging results. Amer. Soc. Sugar Beet Technol. Proc. 7:582-585. 1952. 66.9 Am35

46290 DOGANOVSKII, M. G., and KULIKOV, V. V. Methods of planning soil deepening moldboards and investigation of their working process. (In Russian.) Sel'khozmashina 10:3-7. Oct.1952. 58.8 Se42

46291 DOGANOWSKY, M. G., and KULIKOW, W. W. Vorschäler zur bearbeitung von steinigen böden. Deut. Agrartech. 2:232-235. Aug.1952. 58.8 D482

46292 ELENEV, A. PO-5-35 reversible plow. (In Russian.) Mashinno-Traktornaia Sta. 12(10):26-27. Oct. 1952. 58.8 M11

46293 FISCHER, J. H. A measure of 1951 mechanical thinning. Amer. Soc. Sugar Beet Technol. Proc. 7:676. 1952. 66.9 Am35

46294 FRAKES, M. G. Results obtained from mechanical thinning of sugar beets in the eastern area of the United States in 1951. Amer. Soc. Sugar Beet Technol. Proc. 7:598-602. 1952. 66.9 Am35

46295 FRENCH, G. W. A report on tests of mechanical weeding and thinning equipment in Michigan. Amer. Soc. Sugar Beet Technol. Proc. 7:586-590. 1952. 66.9 Am35

46296 HOLKESVIG, O. A. Mechanical thinning on the company farm in the Red River Valley. Amer. Soc. Sugar Beet Technol. Proc. 7:596-597. 1952. 66.9 Am35

46297 JOHNSON, A. The bye-hoe—a new row-crop cultivator. Amer. Soc. Sugar Beet Technol. Proc. 7:670-671. 1952. 66.9 Am35

46298 KURKIN, K. A. Breaking up [soil] of unproductive meadows of Baraba. (In Russian.) Kormovaia Baza 3(10):47-53. Oct.1952. 60.8 K84
Mechanized tillage.

46299 LIPPMANN, K., and HELLRIEGEL, E. A. Eine für gartenbau und landwirtschaft geeignete hacke. Hannoversche Land- u. Forstwirt. Ztg. 106:124-125. Jan.31,1953. 18 H194

46300 LOZANIC, I. The conditions for progress and agricultural engineering of commercially grown paprika. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(16): 6-7. Dec.1952. 21.5 V87

46301 MAASS, C. H. Neue kleingeräte für baumschulen. Tech. f. Bauern u. Gärt. Ausg. G. 5:57-58. Feb.10,1953. 58.8 T223G

46302 MAASS, C. H. Unterschneiden statt auspflügen in der baumschule. Tech. f. Bauern u. Gärt. Ausg. G 5: 33-34. Jan.25,1953. 58.8 T223G
Equipment for digging up nursery stock.

46303 MORILLO, M. Otro problema de mecánica agricola resuelto. Cám. Ofic. Sind. Agr. de Barcelona. B. 7:287-288. Dec.1952. 15 C14
Tillage equipment.

46304 NERLI, N. Mechanical ditch digger. (In Italian.) Terra e Sole 125:11-13. Jan.1953. 16 T273

46305 NICHOLSON, H. H. Heavy land and the mole plough. Power Farmer 10(2):44-46. Feb.1953. 58.8 P872

46306 PRIORELLI, G. Disk equipment. (In Italian.) Macch. e Motori Agr. 11:139-150. Feb.1953. 58.8 M13

46307 PSENICKA, and HORAVKA. Eine automatische pfropfmaschine — das ergebnis einer komplexen zusammenarbeit. Deut. Agrartech. 2:338. Nov.1952. 58.8 D482

46308 RAMSOUR, H. H. Moldboard plow adjustment. Kans. State Col. Agr. Ext. Farm Mach. 5,8 p. July 1952. 275.29 K13Enf

46309 RIES, L. W. Geräte zur hackfruchtbestellung. Landwirt. Wchnbl. 143:222-223. Feb.21,1953. 18 L2338

46310 ROSENSTOCK. Erfahrungen mit dem einsatz von Gutbrod-mähern bei der mechanischen unkrautbekämpfung im jahre 1952. Allg. Forstz. 8:105-107. Feb.25,1953. 99.8 AL52

46311 RUHNKE, F. Agrartechnische fragen zur einführung des Wiljams-systems in die deutsche landwirtschaft. Deut. Agrartech. 2:258-260. Sept.1952. 58.8 D482
Equipment.

46312 RUSZKOWSKI, J. Tests with suspended plows of the Ferguson type. (In Polish.) Rocz. Nauk Roln. 60: 237-260. 1952. 20.5 R59
English summary.

46313 TEJEIRO MENDEZ, R. Finalidades, especificaciones y ventajas del "motor-hoe" (guatacas motorizadas). Tierra Libre 16(12):10-11. Dec.1952. 8 T443

46314 TILLAGE time; there's a wide variety of equipment to sell for spring use in a few weeks. Farm Equip. Dealer 9(3):38-40,64. Mar.1953. 58.8 F2224

46315 VERBESSERTE geräte für bodenbearbeitung und düngung. Tech. f. Bauern u. Gärt Ausg. A 4:560-568. Dec.25,1952. 58.8 T223

46316 VERMA, R. D. Two multipurpose implements for the farmer. Indian Farming (n.s.)2(10):20-22,30. Jan.1953. 22 In283
Bullock-drawn implements—the furrow turning plow and the horse-hoe.

46317 VINTAĬKIN, Z. P., and POZDNĬAKOVA, N. P. Effectiveness of mechanization of potato culture. (In Russian.) Sad i Ogorod 1:68-72. Jan.1953. 80 Sa13

46318 WANDELER, C. DE., and CHALTIN, G. Manions convenablement nos outils de taille. Cour. Hort. 15:82-83. Feb.1953. 80 C834

46319 ZOBELL, H. D. Mechanical thinning here to stay. Sugar Beet 11(9):28-29. Mar.1953. 66.8 Su34B

Fertilizer and Seed Distributors

46320 ANDREWS, L. H. Planting, mechanical thinning and weeding. Amer. Soc. Sugar Beet Technol. Proc. 7:603-608. 1952. 66.9 Am35

46321 BAIL, A., and EHRENPFORDT, G. Lässt sich die genormte kartoffellegewanne noch verbessern? II. Deut. Agrartech. 3:25-29. Jan.1953. 58.8 D482
Includes comment by H. Büttner.

46322 BALDONI, R. A practice of the times: transplanting grain. (In Italian.) Macch. e Motori Agr. 11: 169-171. Feb.1953. 58.8 M13
Equipment.

46323 COOKE, G. R., and CHALMERS, G. W. Placement drills are costly—but they pay. Farmer & Stock-Breeder 67(3305):65,67. Feb.24,1953. 10 F228
Fertilizer placement by use of a special drill.

46324 CORMANY, C. E., and BAKER, W. A seed metering device for planting experimental plots. Amer. Soc. Sugar Beet Technol. Proc. 7:614. 1952. 66.9 Am35

46325 DINNUS, A. Die rillensaat und ihre technik. Deut. Agrartech. 2:230-232. Aug.1952. 58.8 D482

46326 EY, R. Der schlepper als misträumer. Traktor 4:17-18. Jan.1953. 58.8 T677

46327 FEĬGINA, R. S., and MIKHAĬLOV, P. IA. Sowing equipment and plowshares for jute. (In Russian.) Sel'khozmashina 11:11-12. Nov.1952. 58.8 Se42

46328 FISCHER, J. H. Experimental presswheels. Amer. Soc. Sugar Beet Technol. Proc. 7:665-666. 1952. 66.9 Am35
For planting.

46329 FRENCH, G. W. A progress report of planter tests in Michigan. Amer. Soc. Sugar Beet Technol. Proc. 7:615-619. 1952. 66.9 Am35

46330 GOMMLICH, H. Verbesserte stallmistverflussigungsmaschinen. Landwirt. Wchnbl. 143:194-195. (Cont.) Feb.14,1953. 18 L2338

46331 GOMMLICH, H. Verbesserte stallmistverflüssigungsmaschinen. Landwirt. Wchnbl. 143:228. (Concl.) Feb.21,1953. 18 L2338

46332 GUDZENKO, I. P. Machines for planting potatoes. (In Russian.) Sel'khozmashina 10:7-10. Oct.1952. 58.8 Se42

46333 HEIDENREICH, H. Die mechanisierung des stallmiststreuens. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 25,20 p. 1952. 18 K96

46334 IGNATENKO, V. I. On flaws in the operation of compressing rollers of SLCH-1 and SLN-1 tree planters. (In Russian.) Sel'khozmashina 11:9-11. Nov. 1952. 58.8 Se42

46335 JEZEK, R. E., and KILBY, W. W. New metering pump improves accuracy. Amer. Tung News 4(2/3): 10,12-13,15. Feb./Mar.1953. 307.8 Am33
Anhydrous ammonia used in tests.

46336 KONOWROCKI, A. Die sowjetische kartoffelpflanzmaschine SKN-2. Deut. Agrartech. 2:329-330. Nov.1952. 58.8 D482

46337 KROGER, P. Entmistungsanlagen—kritisch betrachtet. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:43-47. 1952. 18 K96

46338 MATKOWSKI, G. Mechanisierung der kopfdüngung. Deut. Agrartech. 2:339. Nov.1952. 58.8 D482

46339 MOISEEV, N. F. Mechanization of potato and vegetable growing. (In Russian.) Sad i Ogorod 11:64-68. Nov.1952. 80 Sa13
Planting.

46340 NIKOLAJEW, M. Mechanisierung der torfgewinnung zu düngezwecken. Deut. Agrartech. 2:373-374. Dec.1952. 58.8 D482

46341 SELL better manuring practices: encourage better use of manure and increase sales of equipment for handling it. Farm Equip. Dealer 9(3):25-28,33-34. Mar. 1953. 58.8 F2224

46342 STOLARSKA, Z. Field tests with plant transplanters "Robot." (In Polish.) Rocz. Nauk Roln. 60: 223-235. 1952. 20.5 R59
English summary.

46343 STREIF, K. Vorteile und leistungsgrenzen bei stallmiststreuern. Traktor 4:19-20. Jan.1953. 58.8 T677

46344 TOLSTOV, V. K. Check row planting of sugar beets with beet planters. (In Russian.) Sakh. Promysh. 26(11):39-42. Nov.1952. 65.8 Sa2

46345 TRANTOW, E. Weniger und leichtere arbeit im kuhstall! Bauern-Ztg. 6(6):7,10. Feb.13,1953. 18 B324
Manure handling equipment.

46346 WINTER, R. Die entwicklung von kartoffellegemaschinen. Deut. Agrartech. 2:265-269. Sept.1952. 58.8 D482

46347 ZHUKOVSKII, N. P. Results of industrial tests of Nastenko's check row [planting] equipment. (In Russian.) Sakh. Promysh. 26(11):37-39. Nov.1952. 65.8 Sa2
Sugar beets.

Harvesting Equipment

46348 ALIEV, A. Machining shafts of SKHM-48 cotton harvesting machines by the electric spark method. (In Russian.) Mashinno-Traktornaia Sta. 12(12):27. Dec. 1952. 58.8 M11

46349 BARMINGTON, R. D., JENNEKE, L. E., and STEVENS, D. M. Sugar beet top food value saved by mechanical methods. Amer. Soc. Sugar Beet Technol. Proc. 7:275-280. 1952. 66.9 Am35

46350 BEINKE. Erfahrungen mit dem mähdreschen in Weser-Ems. Landwirtbl. Weser-Ems 100:56-58. Jan.15,1953. 18 L2345

46351 BELL, J. E., and SCOTT, D. F. Use of buck-rake for silage making. New Zeal. J. Agr. 86:33,35,37-38. Jan.15,1953. 23 N48J

46352 BÖHM. Ködel & Böhm. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:32-34. 1952. 18 K96
Combine construction in Germany.

46353 BRENNER, W. G. Die veränderte mähdrescher-situation in Westdeutschland. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:19-21. 1952. 18 K96

46354 BUCHHOLZ, H. Mähdrusch-fragen. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1337-1339. Aug.28, 1952. 18 L2346

46355 DAGEROTH. Anbaumähbalken 137. Deut. Agrartech. 2:255-256. Aug.1952. 58.8 D482

46356 DECHENTREITER, J. Dechentreiter baujahr 1952. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:28-31. 1952. 18 K96
Combine construction.

46357 DEGENHARDT, G. Amerikanische mähdrescher für Europa. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:34-36. 1952. 18 K96

46358 DEGENHARDT, G. Der mähdrescher auf dem strassentransport. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:36-37. 1952. 18 K96
Germany.

46359 FRENKIN, V., and DERBAREMDIKER, D. Mechanization of harvesting the cotton crop. (In Russian.) Mashinno-Traktornaia Sta. 12(10):13-16. Oct.1952. 58.8 M11

46360 FULLBRECHT, H. Erfahrungen aus der diesjährigen ernte. Traktor 4:10. (Concl.) Jan.1953. 58.8 T677

46361 GALDIN, M. W. Kombinen für die ernte von silopflanzen. Deut. Agrartech. 2:361-364. Dec.1952. 58.8 D482

46362 GANIEV, M. Mechanized harvesting of snapped cotton in irrigated cotton culture. (In Russian.) Khlopkovodstvo 11:40-43. Nov.1952. 72.8 K522

46363 GLAVES, A. H. Research and recent developments in mechanical harvesting and bulk handling of potatoes in the Red River Valley. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:75-83. 1952. 75.9 Oh3

46364 GUNN, J. T., and others. Conveyor belt tests for harvesting cannery tomatoes—1952. Calif. Agr. Col. Veg. Crops Ser. 56,27 p. Jan.1953. 81 C1255
L. E. Davis, C. Lorenzen, J. H. MacGillivray, L. J. Clemente, and F. Zink, joint authors.

46365 HARMENING. Deutsche mähdrescher; die konstrukteure berichten über ihre arbeit. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:27-28. 1952. 18 K96

46366 HARRISON, A. L. A peanut picker for small plot work. Tex. Agr. Expt. Sta. Prog. Rpt. 1512,3 p. Dec. 2,1952. 100 T31P

46367 HELLER, C. Mechanisierung der zuckerrübenernte weitgehend gelöst. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:21-25. 1952. 18 K96

46368 HURST, W. N. Recolección mecánica del algodón. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4) 1:10-11,60. Oct.1952. 8 G934

46369 JEURINK-MEPPEN. Arbeitsbeobachtungen beim mähdrusch im Emsland. Landwirtbl. Weser-Ems 100:60. Jan.15,1953. 18 L2345

46370 JOHNSON, A. Illinois FFA tackles corn pickers. Farm Safety Rev. 11(2):6. Mar./Apr.1953. 449.8 F22

46371 JONES, L. G., and BUNNELLE, P. R. Direct combining of small seeded legumes. Calif. Farmer, North. Ed. 198:250-252. Mar.7,1953. 6 C126

46372 JUNG, K. F., and MANIER. Gesichtspunkte für die auswahl des zuckerrübenernteverfahrens. Dreschen u. Pflugen 7:3-6. Dec.15,1952. 58.8 D81

46373 KAZANSKII, V. Machines for the assembly line method of harvesting forage plants and hay stacking. (In Russian.) Tekhsovety MTS 14(2):1-7. Jan.1953. 58.8 T233

46374 KERESELIDZE, SH. IA. Problem of mechanized tea harvesting and equipment for selective harvesting of the tea leaf. (In Russian.) Sel'khozmashina 11:18-20. Nov.1952. 58.8 Se42

46375 KLIMOV, F. S. ZHK-2,1 reaper for hemp harvesting. (In Russian.) Sel'khozmashina 12:4-6. Dec. 1952. 58.8 Se42

46376 KRIEBEL, M. Pommritzer rübenerntever-fahren—ein rückblick. Z. f. die Zuckerindus. 2:416-417. Dec.1952. 65.8 D48
Equipment.

46377 KRINITSKY, B. Machine picking of cotton in the USSR. Karachi Com. 4(100):6,14. Jan.6,1953. 280.8 K14

46378 LEDNEW, K., and MURSIN, P. Das ernten der silopflanzen mit einer umgebauten kombine. Deut. Agrartech. 3:19. Jan.1953. 58.8 D482

46379 MASON, J. R. The mechanical harvesting of beets and tops in Great Western territories. Amer. Soc. Sugar Beet Technol. Proc. 7:625-630. 1952. 66.9 Am35

46380 MAUCH, A. Fingerlose und rotierende mähwerke. Landtechnik 8:69-71. Feb.15,1953. 58.8 L235

46381 MITCHELL, M. H. Progress report, mechanical bean picker. Canning Trade 75(36):9-10. Mar.23, 1953. 286.83 T67

46382 MOTHERAL, J. R. Do tenure practices retard machine harvesting of cotton? Agr. Situation [Washington] 37(3):11-12,14,16. Mar.1953. 1 Ec7Ag

46383 NARYKOV, G. A. Kinematic calculation of the reel elements. (In Russian.) Sel'khozmashina 12:14-16. Dec.1952. 58.8 Se42
In designing harvesting equipment.

46384 A NATIVE returns. Farm Mangt. 2(4):51-55. Mar.1953. 281.8 F2225
Vacuum harvester for Stipa.

46385 NIXON, G. W. Performance of various makes of beet harvesters in American Crystal areas. Amer. Soc. Sugar Beet Technol. Proc. 7:622-624. 1952. 66.9 Am35

46386 O'LEARY, T. An Armer harvester contractor's experience. Beet Grower 6(4):223-225. Jan.1953. 66.8 B392

46387 OLSEN, L. New developments in beet top conservation with machine harvest. Amer. Soc. Sugar Beet Technol. Proc. 7:273-274. 1952. 66.9 Am35

46388 PANIN, A. F., and LEBEDEW, M. F. Das ebnen und pressen von stroh in den strohsammlern der erntemaschinen. Deut. Agrartech. 3:4-7. Jan.1953. 58.8 D482

46389 PECHACEK, R. Leichte kartoffel- und zuckerrübenernte mit dem "schatzgräber." Deut. Agrartech. 2: 254-255. Aug.1952. 58.8 D482

46390 PESARO, A. Combines for corn and seeds. (In Italian.) Agr. Ferrarese 56:197-200. Sept.30,1952. 16 Ag87

46391 PESARO, A. Combines tested. (In Italian.) Agr. Ferrarese 56:169-174. Aug.31,1952. 16 Ag87

46392 P'IANKOV, A. I. Physico-mechanical properties of castorbeans as a basis of technological plans for harvesting and threshing equipment. (In Russian.) Sel'khozmashina 11:23-24. Nov.1952. 58.8 Se42

46393 PICKETT, J. T. Tomato harvesting machinery. Calif. Farmer, South. Ed. 198:248-249. Mar.7,1953. 6 C126A

46394 PIVOVAR, S. G. Mechanization of harvesting and threshing of hemp. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:57-58. Sept.1952. 20 D742

46395 POZZI, E. Harvester-binders and combines of Italian make. (In Italian.) Macch. e Motori Agr. 11: 53-60. Jan.1953. 58.8 M13

46396 RIABYSHEV, I. I. Combine manufacture. (In Russian.) Sel'khozmashina 10:27-29. Oct.1952. 58.8 Se42

46397 RIES, L. W. Die weiterentwicklung der mähbinder-hofdrusch-ernte. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:16-18. 1952. 18 K96
Germany.

46398 SAVIN, D., ZENCHENKO, IU., and GRISHCHUK, A. Adjustment of some units in KS-10 automotive mowing machine. (In Russian.) Tekhsovety MTS 14(2):8-11. Jan.1953. 58.8 T233

46399 SEGLER, G. Stand der mähdrescherverwendung. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:22-26. 1952. 18 K96
Germany.

46400 SHEVCHENKO, E. N. Method of working on an automotive hay-mowing machine. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:50-53. Sept.1952. 20 D742

46401 SMITH, H. P., and BROWN, E. C. Mechanical harvesting of cotton, College Station, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1527,9 p. Jan.9,1953. 100 T31P

46402 STEFFEN, G. Kartoffelroder für alle betriebsgrössen. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:2-7. 1952. 18 K96

46403 STREIT, W., STUDER, W., and ROTH, H. Zur mähdrescherfrage. Grüne 81:153-160. Feb.6,1953. 17 Sch9

46404 SVENSON, G. Introducing a new self-propelled Bean nut harvester. Fruit & Veg. Rev. 14(11):13. Feb. 1953. 80 C1224

46405 URBAN, H. Für und wider den mäh- und häckseldrusch. Landwirt. Wchnbl. 143:322-323. Mar.14, 1953. 18 L2338

46406 WARDROP, G. Clods and stones mastered; complete mechanical separation is reached in one-man potato harvester. Farmer & Stock-Breeder 67(3307):37. Mar.10,1953. 10 F228

46407 WEISSLEDER, H. Der mähbinder — seine wartung und pflege. Deut. Agrartech. 2:251-252. Aug. 1952. 58.8 D482

46408 WEPFER, K. Grösserer verwendungsbereich von motormähern und einachstraktoren. Grüne 81:253-263. Mar.6,1953. 17 Sch9

46409 WOLF, A. Fahr MD 2. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:31-32. 1952. 18 K96
Combines.

Land Clearing Equipment

46410 CERULIS, A. Mechanical uprooting of high crowned fruit trees—demonstration at Lovenjoel. (In Flemish.) Cult. en Handel 19:103. Feb.1953. 80 C892

46411 DEVAUX, P. Engins modernes de terrassement. Nature [Paris] 3214:61-64. Feb.1953. 473 N21

46412 MEGAVORÍÀN, L. O. A Universal uprooting assembly of TSNILKHI system. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 1(7):16-18. Oct.1952. 99.82 D44
Stump removal equipment.

46413 VARAPIROMYA, T. Tractor for land clearing and dry land farming. (In Siamese.) Kasikorn 25:357-360. Sept.1952. 22.5 K15
English summary.

Processing Equipment Used on the Farm

46414 AMSCHLER, L. Das häckselfieber, seine diagnose und heilung. Deut. Landwirt.-Gesell. Mitt. 67: 966-967. Dec.18,1952. 18 N39

46415 BAKER, V. H., and EARP, U. F. Design of hay drying systems. Heating & Ventilating 50(3):77-81. Mar.1953. 291.8 H35

46416 BERGOMI, I. Perfecting equipment for threshing rice. (In Italian.) Riso 2:24-25. Jan.1953. 59.8 R49

46417 BERNHARD. Erfolge mit halbheu. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26: 23-24. 1953. 18 K96

46418 BROWN, J. C. Farm broiler dressing plants. Amer. Poultry J. East. Ed. 84(3):8,27. Mar.1953. 47.8 Am32

46419 BRYANT, C. B. A. Farm tank holding of milk with tank truck pick up. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:18-22. 1952. 44.9 V593

46420 CASTAN, E. Un nouveau procédé de réfrigération du lait à la ferme. Rev. Prat. du Froid 8(5):47-49. Feb.1953. 295.8 R323
Equipment.

46421 DENCKER, C. H., SIMONS, D., and WENNER, L. Kaltlufttrocknung und- belüftung von mähdruschgetreide. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:38-43. 1952. 18 K96

46422 EDERT, F. Schwedenreuter in Schweden. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:7-8. 1952. 18 K96

46423 FISCHER, F. Dämpfanlagen—fahrbar und stationär. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:13-17. 1952. 18 K96
For processing feed potatoes.

46424 FISCHER-SCHLEMM, W. E. Neuzeitliche futterdämpf-einrichtungen. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:38-43. 1952. 18 K96

46425 FISHER, I. R. Dry hay for profits. Livestock Wk. 7(13):19,124. Jan.29,1953. 49 L753
Equipment.

46426 FISHER, I. R. A prefabricated duct system for forage driers. Agr. Engin. 34:179-180,188. Mar. 1953. 58.8 Ag83

46427 FOLTINEK, H. Wie sieht eine heubelüftungsanlage aus? Osterr. Landtech. 5:283-284. Oct.1952. 58.8 L236

46428 GERASKEVICH, S., and KAPUSTIN, B. A standard feed processing building for livestock raising farms. (In Russian.) Kolkhoz. Proizvodstvo 12(12):46-50. Dec.1952. 281.8 K83

46429 GORANSKII, V. A. Dynamic analysis of a hammer mill. (In Russian.) Sel'khozmashina 10:17-20. Oct.1952. 58.8 Se42

46430 GUNDRY, B. G. The "Gundry" tobacco furnace. Rhodesia Agr. J. 49:352-361. Nov./Dec.1952. 24 R34
Foreward by R. H. Frazer.

46431 HANSEN, K. Milchkühlung auf dem bauernhof. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:72-75. 1952. 18 K96
Equipment.

46432 HAY CRUSHERS; faster drying, leafier, more nutritious and palatable hay can be made with these new hay machines. Farm Q. 8:62-63,133-135. Spring 1953. 6 F22995

46433 HOARD'S Dairyman round table: "our hay drying system." Hoard's Dairyman 98:272-274. Mar. 25,1953. 44.8 H65
Artificial drying.

46434 HOFFMANN, G. Die künstliche trocknung und der mähdrusch. Deut. Agrartech. 2:295-297. Oct.1952. 58.8 D482
Chiefly grain drying and threshing equipment.

46435 HUMBERT, W. Les fourrages que l'on peut déshydrater. Agr. Prat. 117:31. Jan.1953. 14 J82
Artificial drying.

46436 INEICHEN, F. Uber den heutigen stand der künstlichen grastrocknung. Schweiz. Landwirt. Monatsh. 31:23-29. (Cont.) Jan.1953. 17 Sch93

46437 KARAKHANOV, L. M. Basic description of tung and agrotechnical requirements for tung cleaning machines. (In Russian.) Sel'khozmashina 10:21-22. Oct. 1952. 58.8 Se42

46438 KLOEPPEL, R. Der reuterheber. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:6-7. 1952. 18 K96

46439 KLOTH. Hochentwicklung von maschinenteilen: heuwender-zinken. Landbforsch. Völkenrode 3:14-15. Jan.1953. 18 L2353

46440 KNÍÀZEV, P. How to construct the most simple feed steamer. (In Russian.) Kolkhoz. Proizvodstvo 12(12):43-44. Dec.1952. 281.8 K83

46441 KOLYSCHEW, F. Eine neue getreidereinigungsmaschine. Deut. Agrartech. 3:15-16. Jan.1953. 58.8 D482

46442 KOSTLIN, A. Der heutige stand beim häckselverfahren. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:29-31. 1952. 18 K96

46443 KRIEBEL, M. Die vielfalt der futteraufbereitungsmaschinen. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:31-35. 1952. 18 K96

46444 LEIBOVICH, L. Utilization of steam-turbine separators of Fialkov's system. (In Russian.) Moloch. Promysh. 14(2):14. Feb.1953. 44.8 M734

46445 LÍÛBINSKÍÏ, ÍÛ. S., and TOKARCHUK, D. A. Something new in mechanized preparation of feed on a swine farm. (In Russian.) Kormovaîa Baza 3(10):54-57. Oct.1952. 60.8 K84

46446 LOMMATZSCH, R. E. Aufbewahren und konservieren. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:14-18. 1952. 18 K96
Farm processing equipment.

46447 LOZNÍTSA, A. Utilization of hammer mills [in feed processing]. (In Russian.) Kolkhoz. Proizvodstvo 13:50-51. Jan.1953. 281.8 K83

46448 MADDEX, R. L., and HALL, C. W. Drying grain with forced air. Mich. State Col. Agr. Ext. B. 316, 20 p. Feb.1953. 275.29 M58B

46449 MATTHIES, H. J. Heutrocknung durch kaltbelüftung. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:25-30. 1953. 18 K96

46450 MAUCH, A. Künstliche trocknung von grünfutter und kartoffeln. Bauern-Ztg. 6(9):7. (Cont.) Mar. 6,1953. 18 B324

46451 MELO, S. La henificación de los pastos. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(451):8-10; (452):8-9. Jan.22-29,1953. 9.9 G15B

46452 MONCRIEF, T. E. Solving the egg washing problem. Everybodys Poultry Mag. 58(3):11,46-47. Mar. 1953. 47.8 F213P

46453 MOSEL, B. V. D. Erfahrungen aus einem jahr künstlicher grünfutter-trocknung. Deut. Landwirt.-Gesell. Mitt. 68:99-100. Jan.29,1953. 18 M39

46454 MÜLLER. Heuwerbung mit weniger risiko! Bauern-Ztg. 6(5):7,11. Feb.6,1953. 18 B324
Equipment.

46455 NEWTON, T. Underslung hay dryer. Elect. Farm Mag. 26(3):18-19. Mar.1953. 335.8 EL27

46456 NOVIKOV, G. I. Mechanized processing of fodder. (In Russian.) Kormovaîa Baza 3(11):48-56. Nov. 1952. 60.8 K84

46457 NOWOTNY. Verlustlose futtergewinnung bei schlechtwetter. Salzburger Bauer 7(45):10-11. Nov.6, 1952. 19 Sa3
Hay drying.

46458 POPOV, V. E., LIBIN, B. L., and FEDOTOV, I. M. Experiments in mechanizing post-harvest processing of seed grain. (In Russian.) Selek. i Semen. 19 (12):59-65. Dec.1952. 61.9 Se5
Cleaning.

46459 RABINOVICH, M. B. Critical speed of straw in the vertical air stream. (In Russian.) Sel'khozmashina 10:10-13. Oct.1952. 58.8 Se42
Grain cleaning equipment.

46460 REICHERT, W. Der gebläsehäcksler spart bauen. Osterr. Landtech. 5:271-272. Oct.1952. 58.8 L236

46461 REID, E. B. Celery fresh from fields with plant on wheels. News Farmer Coop. 19(12):7. Mar.1953. 166.2 N47
Packing machine used by the Palmer Farms Celery Grower's Cooperative Association, Sarasota, Florida.

46462 SACCO, P. Where are we in the artificial drying of forages? (In Italian.) Terra e Sole 126:49-50. Feb.1953. 16 T273

46463 SCHERUGA. Hammermühle "Olympia I." Osterr. Landtech. 5:318-320. Nov.1952. 58.8 L236

46464 SCHEVEN. Der heutige entwicklungsstand elektromotorischer dreschantriebe. Dreschen u. Pflügen 8(2):2-4. Feb.15,1953. 58.8 D81

46465 SCHULZE-LAMMERS, H. Die heuwerbung und ihre geräte. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:2-5. 1952. 18 K96
Harvesting and drying.

46466 SCHUTZHOLD, G. Der schwedenreuter—dünndraht- oder schnurreuter? Landbforsch. Völkenrode 2:75-76. Oct.1952. 18 L2353

46467 STOCKMANN, K. Schrotmühlen mit verschiedenen werkzeugen. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:36-38. 1952. 18 K96

46468 TAKING the back ache out of hay handling. Farm Mangt. 2(4):60-63. Mar.1953. 281.8 F2225
Equipment.

46469 TEARE, D. W. Hay and grain farm storage problems. Guernsey Breeders' J. [Peterborough] 87:590-592,602. Mar.1,1953. 43.8 G93
Chiefly drying.

46470 VASIL'EV, S. A. Situation and prospects for cleaning and sorting grain and seeds in agriculture. (In Russian.) Sel'khozmashina 11:15-18. Nov.1952. 58.8 Se42

46471 VOLKER, H. Ausblick eines lohndreschers. Dreschen u. Pflügen 8:3. Jan.15,1953. 58.8 D81

46472 WEILER, F. Versuche mit einer grünfuttermusmühle. Osterr. Landtech. 5:307-308. Nov.1952. 58.8 L236

46473 WHITTAKER, E. C. Fruit packing equipment. Agr. Gaz. N. S. Wales 63:635-638. (Cont.) Dec.1952. 23 N472
Design for packing stand.

46474 WIRTZ. Was verlangt die praxis von der warmlufttrocknung? Deut. Landwirt.-Gesell. Mitt. 68: 81-83. Jan.22,1953. 18 N39
Equipment for green feed and grain drying.

46475 ZHUKOVSKII, N. P. A new hammer mill. (In Russian.) Sofsialist. Zhivotnovod. 15(1):74. Jan.1953. 49 So71

Repair, Maintenance, and Construction Equipment

46476 BACHTHALER, G. Die überwinterung unserer landmaschinen. Traktor 4:3. Jan.1953. 58.8 T677

46477 CAPEK, D. Putting up farm machines over the winter—making ready for the operation of machines in the year that follows. (In Serbo-Croatian.) Vojvodanski Poljoprivrejnik 8(15):21-22. Nov.1952. 21.5 V87

46478 CHERDYNTSEV, S. Repair of equipment by the assembly line method. (In Russian.) Mashinno-Traktornafa Sta. 12(10):6-7. Oct.1952. 58.8 M11

46479 EREMIN, N., and SARTAKOV, N. Attachmentt for repair of soil tilling equipment. (In Russian.) Mashinno-Traktornafa Sta. 12(11):27-29. Nov.1952. 58.8 M11

46480 HANSEN, P. B. The farmer's machine shop. (In Danish.) Dansk Landbr. 72:87-89. Feb.12,1953. 280.28 V91

46481 HEEBINK, R. G. The new agricultural unit at the New Richmond High School. Indus. Arts & Vocat. Educ. 42(3):78-80. Mar.1953. 275.8 In2
Shop work in a Wisconsin school.

46482 HENSEL, R. Die pflege von dreschmaschinen nach beendigung des druscheinsatzes. Deut. Agrartech. 3:31-32. Jan.1953. 58.8 D482

46483 HINE, H. J. Take care of your fertilizer drill. Farmer & Stock-Breeder 67(3305):59-60. Feb.24,1953. 10 F228

46484 HOOGLAND, E. J. A. Care of sowing machines. (In Dutch.) Boerderij 37(18):7-8. Jan.28,1953. 12 B63

46485 MANN, D. Just see what comes out of farm shops! Kans. Farmer 90(6):4,18-19. Mar.21,1953. 6 K13

46486 NECHITAILO, K., and MAKSIMCHUK, F. An assembling division at machine-tractor station [repair] shops. (In Russian.) Mashinno-Traktornafa Sta. 13:7-9. Jan.1953. 58.8 M11

46487 NORTH CENTRAL REGIONAL FARM STRUCTURES COORDINATING COMMITTEE. SUBCOMMITTEE ON MACHINERY STORAGE AND FARM SHOPS. Farm machinery housing with suggestions for farm shops and shop equipment. Ill. Agr. Expt. Sta. C. 702,31 p. Nov. 1952. 275.29 IL62C

46488 PEATFIELD, A. E. Tools and their uses. 3. Hacksaws for metal. Power Farmer 10:101. Mar.1953. 58.8 P872

46489 SCHENDELL, G. Was muss man vom riemenantrieb wissen? Tech. f. Bauern u. Gärt. Ausg. A 5:17-18. Jan.10,1953. 58.8 T223

46490 SEMENIUK, I., and GONCHAR, I. Repair of moldboards of tractor plows. (In Russian.) Mashinno-Traktornafa Sta. 12(11):29-30. Nov.1952. 58.8 M11

46491 TURNER, J. C. Farm workshop practice. 2. Soldering. Farm Mech. 5:68-69. Feb.1953. 58.8 B772

46492 TURNER, J. C. Farm workshop practice. 3. Simple forgework. Farm Mech. 5:121-124. Mar.1953. 58.8 B772

46493 WITTKOPP, W., and BERNUTH, W. VON. Das leidige reparaturkonto in maschinenintensiven betrieben. Deut. Landwirt.-Gesell. Mitt. 68:103-104. Jan.29, 1953. 18 N39

46494 YOU CAN fix it in the field. Country Gent. 123(3):38-39. Mar.1953. 6 C833
Portable repair shop.

Spraying and Dusting Equipment

46495 ANDERSON, E. D. Progress in sprayers and dusters. Fruit & Veg. Rev. 14(12):14-15. Mar.1953. 80 C1224

46496 BYLTERUD, A., and HOFSTEN, C. G. VON. Spraying against weeds. (In Swedish.) Lantmannen 37: 157-159. Feb.14,1953. 11 L234
Equipment.

46497 CATE, H. R. TEN. The knapsack sprayer with fog nozzle. (In Dutch.) Fruitteelt 43:118-119. Feb.7, 1953. 86 N28

46498 CHILDERS, L. E. Look at the jobs they're finding for power sprayers. Co. Agent & Vo-Ag Teacher 9(3):16-19. Mar.1953. 275.28 N213

46499 COURSHEE, R. J. Developments in drift spraying. World Crops 5:109-111,119. Mar.1953. 281.8 W892
Equipment.

46500 DERSCHEID, L. A. Sprayers for use on experimental plots. Weeds 1:329-337. July 1952. 79.8 W41

46501 HARONSKA, G. Obstbaumspritzung—halb- oder vollmechanisch? Landwirt. Z. der Nord-Rheinprov. 120:198-199. Feb.14,1953. 18 L2344

46502 IMAI, M., and others. Studies on the blower type pest control machineries. I. Spraying charactor of mistblower. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:74-79. May 1952. 107.6 K83
H. Tanabe, T. Takenaga, H. Nakagawasai, and K. Hirata, joint authors.
English summary.

46503 LONES, D. B. A modern spray rig [Air-O-Fan] Fruit & Veg. Rev. 14(12):29. Mar.1953. 80 C1224

46504 PEYER, E., and MULLER, O. Anforderungen an die spritzgeräte im rebbau und vergleichende erhebungen über stationäre spritzanlagen mit hochdruckspritzen. Schweiz. Z. f. Obst- u. Weinbau 62:69-72. Feb.21,1953. 80 Sch9

46505 SMITH, H. P., and BROWN, E. C. Mounting for pre-emergence press wheel-rollers and sprayer nozzles. Tex. Agr. Expt. Sta. Prog. Rpt. 1520,2 p. Dec.13,1952. 100 T31P

46506 SNEGOWSKI, J. F. Vervollkommnung der mechanismen für die landwirtschaftlichen bestäubungsmaschinen. Deut. Agrartech. 2:301-303. Oct.1952. 58.8 D482

46507 TARASIUK, A. S. OTL-30 tractor mounted duster for KD-35 tractor. (In Russian.) Sel'khozmashina 11:21-22. Nov.1952. 58.8 Se42

46508 THIEM, H. Hochleistungsgeräte im obstbaulichen pflanzenschutz. Deut. Landwirt.-Gesell. Mitt. 68:251-253. Mar.12,1953. 18 N39

46509 TRAPPMANN, W. Pflanzenschutz in den USA. V. Gesunde Pflanzen 5:34-38. Feb.1953. 464.8 G33
Chiefly equipment.

46510 UMHAUER, H. Welche forderungen stellt der obstbau an seine pflanzenschutzgeräte? Deut. Agrartech. 2:303-305. Oct.1952. 58.8 D482

46511 VOS, J. The mist sprayer in the orchard. (In Dutch.) Fruitteelt 43:114-115,125. Feb.7,1953. 86 N28

Vehicles

46512 ALBRECHT, H. E., FENDT, H., and BRUNNER, R. Die amerikanische schlepper- und landmaschinen-industrie. Landtechnik 8:39-47. Jan.31,1953. 58.8 L235

46513 ALPE, A. Considerations on the selection of agricultural motors. (In Italian.) Macch. e Motori Agr. 11:39-41. Jan.1953. 58.8 M13
For tractors.

46514 ANTIUKHIN, V. P. Assembly line method of tractor repair. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:7-12. Oct.1952. 20 D742

46515 ARDASHEV, G. Washing of lubricating system of tractor engines. (In Russian.) Mashinno-Traktornaîa Sta. 12(11):12-14. Nov.1952. 58.8 M11

46516 ASHFIELD, H. E. Choosing a tracklayer. Farm Mech. 5:119-120. Mar.1953. 58.8 B772

46517 ASTUDILLO, E. E. Su majestad el tractor. Hacienda 48(3):41,64. Mar.1953. 6 H11

46518 BALLU, T. Porte-outils automoteurs. Tech. Agr. 64:7-11. Jan.1953. 58.8 T222

46519 BAREISS, G. 30 hektar mit 25 PS-schlepper - ohne tierische zugkraft! Tech. f. Bauern u. Gärt. Ausg. A 5:1-2. Jan.10,1953. 58.8 T223

46520 BOCK, G. Was der landwirt vom luftreifen wissen sollte. Deut. Landwirt.-Gesell. Mitt. 68:83-86. Jan.22,1953. 18 N39

46521 BOENECKER. Selbstgebauter melkwagen—praktische milchkammer. Landwirtbl. Weser-Ems 100: 137-139. Feb.5,1953. 18 L2345

46522 BRODELL, A. P., STRICKLER, P. E., and WALLRABENSTEIN, P. P. Farm power and farm machines. U. S. Bur. Agr. Econ. F. M. 101,35 p. Feb.1953. 1.941 L6F22
Numbers and kinds of machines; numbers of horses and mules.

46523 BUSTINZA, J. M. DE. Buenos elementos, hacen mejores a los buenos tractores. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:122. June 1952. 15 C14

46524 CARILLON, M. Les petits tracteurs et leur place dans l'agriculture française. Génie Rur. 46:54-57. Feb.1953. 58.8 Au8

46525 CHEBANOV, A. V. Top-dressing of winter crops [grain] with the aid of agricultural aviation. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:77. Jan.1953. 20 D742

46526 CHRISTEN, T. P. Come spring, let's have our tractor ready! Ohio Farmer 211(4):5,28. Feb.21,1953. 6 Oh3

46527 COUTIAUX, P. Le démarrage des tracteurs Diesel. Motorisation Agr. 8(76):9-10. Jan.1953. 58.8 M85

46528 DEGTÎAREV, V. A. Decreasing the dust content in the air sucked in by DT-54 tractor engine. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:57-62. Jan.1953. 20 D742

46529 DELOYE, and SAUZE. Entretien des tracteurs à roues équipés de moteurs à essence ou à pétrole. Motorisation Agr. 8(76):13-16. Jan.1953. 58.8 M85

46530 DOMSCH, M. Versuche mit gitterrädern. Deut. Agrartech. 3:22-23. Jan.1953. 58.8 D482

46531 DUPMEYER, H. Noch immer zuviel schleppertypen! Tech. f. Bauern u. Gärt Ausg. A 4:554-560. Dec.25, 1952. 58.8 T223

46532 DUVIGNAC, A. Démarrage du tracteur par temps froid. Motorisation Agr. 8(76):19. Jan.1953. 58.8 M85

46533 EGOROV, P. Repair [of tractors and equipment] by the new technology. (In Russian.) Mashinno-Traktornaîa Sta. 13:14-15. Jan.1953. 58.8 M11

46534 EYFELLS, E. When is it a good time for the farmer to buy a tractor? (In Icelandic.) Freyr 48:17-20. Jan.1953. 11 F89

46535 FERBERG, B. New rules for technical care of tractors. (In Russian.) Mashinno-Traktornaîa Sta. 12(10): 17-20. Oct.1952. 58.8 M11

46536 FONDARD, L. Motorisation et tracteur. Réveil Agr. 62:35. Feb.1,1953. 13 R322
Types.

46537 GEMEREN, P. VAN. The Holder B 10 diesel tractor. (In Dutch.) Groenten en Fruit 8:513. Jan.15, 1953. 80 G89

46538 GEMEREN, P. VAN. Small tractors in fruit culture. (In Dutch.) Groenten en Fruit 8:517. Jan. 15,1953. 80 G89

46539 GIN'KO, G. M. Assembly line method of tractor repair at Gromov Machine-Tractor Station. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:17-19. Oct.1952. 20 D742

46540 GRIBOV, E., and DEGTÎAREV, V. How to increase the service of individual parts of S-80 tractor engine. (In Russian.) Tekhsovety MTS 14:1-12. Jan. 1953. 58.8 T233

46541 GUREVICH, A. Improvement of construction of individual units of DT-54 tractor. (In Russian.) Tekhsovety MTS 13(45/46):13-16. Dec.1952. 58.8 T233

46542 GUSEV, S. On uniformity in the utilization of tractors at MTS. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(11):28-37. Nov.1952. 281.8 So73

46543 HALL, C. W. Look and try before you buy your garden tractor. Amer. Fruit Grower 73(3):18-19, 57-59. Mar.1953 80 G85

46544 HINDAHL, O. Protection of power transmission axle between tractor and machine or equipment. (In Norwegian.) Samvirke 48:50-53. Jan.15,1953. 280.28 Sa4

46545 ICIN, D. The course of servicing for repair of tractors and other farm machinery. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(16):23-24. Dec.1952. 21.5 V87

46546 KELLER, O. Wollen wir den traktor um jeden preis? Bauern-Ztg. 6(2):5. (Cont.) Jan.16,1953. 18 B324
Germany.

46547 KHABLO, I. To master to perfection the leading methods of organizing repair [of tractors and equipment]. (In Russian.) Mashinno-Traktornaîa Sta. 12(12): 4-7. Dec.1952. 58.8 M11

46548 KLIEFOTH, F. Die rüben vom acker fahren. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:26-28. 1952. 18 K96
Equipment.

46549 KNOEFEL, J. Betriebswirtschaftliche ergebnisse aus 77 schleppergemeinschaften. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1611-1612. Oct.2, 1952. 18 L2346

46550 KOELLER, H. L. Tractors for agriculture in the whole world. (In Italian.) Macch. e Motori Agr. 11: 43-48. Jan.1953. 58.8 M13

46551 KORN. Vollmotorisierung mit dem einachsschlepper. Landbforsch. Völkenrode 3:4-9. Jan.1953. 18 L2353

46552 KOZLOV, A. Inspection and repair of crankshaft of tractor engines. (In Russian.) Mashinno-Traktornaîa Sta. 13:26-30. Jan.1953. 58.8 M11

46553 KRIEBEL, M. Und wieder—neue schlepper! Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1336. Aug. 28,1952. 18 L2346

46554 MANENKOV, V. A. Practices of Saranskaia Machine Tractor Station in tractor repair by the assembly line method. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:12-16. Oct.1952. 20 D742

46555 MANFREDI, E. New tractors for small and medium-sized farms. (In Italian.) Macch. e Motori Agr. 11:61-68. Jan.1953. 58.8 M13

46556 MARKS, K. Hat der einachsschlepper eine zukunft? Deut. Landwirt.-Gesell. Mitt. 68:129-131. Feb. 5,1953. 18 N39

46557 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Homemade milking utensil cart, by B. E. Colby. Amherst,n.d. 2 p. 275.2 M38Ho

46558 MATIUKHOV, G., and GRECHKIVSKII, V. Replacement of parts and units on KD-35 tractor chassis during repair. (In Russian.) Mashinno-Traktornaîa Sta. 13:20-22. Jan.1953. 58.8 M11

46559 MELLOR, D. H. Three-point hydraulic linkage for tractors. So. Austral. Dept. Agr. J. 56:262-264. Jan.1953. 23 So84

46560 MEYER, F. Die kosten der schlepperhaltung. Deut. Landwirt.-Gesell. Mitt. 68:154-156. Feb.12,1953. 18 M39

46561 MEYER, H. Pflege und wartung leicht gemacht. Traktor 4:15-16. Jan.1953. 58.8 T677

46562 MOEST. Der traktor rentiert sich im Allgäu. Allgäuer Bauernbl. 21:78. Feb.5,1953. 18 AL53

46563 MONTGOMERY, J. R. The development of the tractor. Farm Equip. Dealer 9(3):54,56,58-59. Mar. 1953. 58.8 F2224

46564 MONTGOMERY, J. R. Tractor development; refinements in design. Agr. Inst. Rev. 8:14-16,57-58. Jan./Feb.1953. 7 Ag8

46565 NEMCHENKO, N. A momentoscope with a neon lamp for checking the beginning moment of fuel injection in diesel tractors. (In Russian.) Tekhsovety MTS 14:13-16. Jan.1953. 58.8 T233

46566 NERLI, N. O.T.O. tractors. (In Italian.) Macch. e Motori Agr. 11:165-168. Feb.1953. 58.8 M13

46567 NOVITSKIĬ, I. Special features in the utilization of ASKHTZ-NATI tractor air cleaners. (In Russian.) Mashinno-Traktornaîa Sta. 12(10):20-22. Oct.1952. 58.8 M11

46568 NOWACKI, T. Anhängegeräte für den traktor Zetor 25 K. Deut. Agrartech. 2:347-348. Nov.1952. 58.8 D482

46569 NOWACKI, T. The use of crude alcohol as a fuel for agricultural tractors. (In Polish.) Rocz. Nauk Roln. 60:131-221. 1952. 20.5 R59
English summary.

46570 PAGLIA, G. The tractor of tomorrow. (In Italian.) Macch. e Motori Agr. 11:69-71. Jan.1953. 58.8 M13

46571 PESARO, A. New types of tractors. (In Italian.) Agr. Ferrarese 56:236-238. Nov.30,1952. 16 Ag87

46572 POGORELYĬ, I. Increasing the efficiency of SKHTZ tractors on low power and stationary work. (In Russian.) Tekhsovety MTS 13(47/48):1-10. Dec.1952. 58.8 T233

46573 POPOV, N. I. Mounted [on tractors] agricultural machines and implements. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:10-15. Dec.1952. 20 D742

46574 PREUSCHEN, G. Wie sollen wir unseren schlepper einsetzen? Traktor 3:291-292. (Cont.) Dec. 1952. 58.8 T677

46575 PREUSCHEN, G. Wie sollen wir unseren schlepper einsetzen? Traktor 4:11. (Concl.) Jan.1953. 58.8 T677

46576 ROMANENKO, A. Our method of servicing tractors. (In Russian.) Mashinno-Traktornaîa Sta. 13:17-18. Jan.1953. 58.8 M11

46577 RONNING, M. Development in a universal propelling unit. (Extr.) Power Farming Austral. & New Zeal. 61(12):3-5,7. Dec.1952. 58.8 P87

46578 RUDNICK. Richtiger einsatz der schlepperreifen. Traktor 4:8-9. Jan.1953. 58.8 T677

46579 SAMOKHIN, N. Installation of oil radiators on KD-35 and KDP-35 tractors. (In Russian.) Mashinno-Traktornaîa Sta. 12(10):23-24. Oct.1952. 58.8 M11

46580 SAMSONENKO, G., and MAKSIMCHUK, F. Peculiarities of assembling and setting up of some DT-54 tractor units. (In Russian.) Tekhsovety MTS 13(43/44): 1-10. Nov.1952. 58.8 T233

46581 SAUZE, F. Agriculteurs, contrôlez la consommation d'énergie de vos tracteurs. Elevage et Cult. 5(49):11-13. Jan.1953. 24 EL2

46582 SCHNELLBACH, O. Neue entwicklungsrichtungen im schlepperbau. Deut. Landwirt.-Gesell. Mitt. 68:51-52. Jan.15,1953. 18 N39

46583 SEIFERT, A. Kraft- und schmierstoffe für die landwirtschaft. Deut. Landwirt.-Gesell. Mitt. 68:53-55. Jan.15,1953. 18 N39
For tractors.

46584 SIMBRIGER, F. Der gummiwagen in gefahr? Deut. Landwirt.-Gesell. Mitt. 68:55-56. Jan.15,1953. 18 N39

46585 SOLOVEĬCHIK, A., and KARIMOV, A. Improving the air cleaning in D-54 [tractor] engine. (In Russian.) Mashinno-Traktornaîa Sta. 12(12):16-17. Dec. 1952. 58.8 M11

46586 SOUTHWELL, P. H. Tractor management. Westralian Farmers Co-op Gaz. 23:217-220. Nov.1952. 280.28 W522

46587 SPIRIDONOV, P. Improvement in use of machine-tractor facilities in cotton growing. (In Russian.) Khlopkovodstvo 12:42-45. Dec.1952. 72.8 K522

46588 STEFFANONI, L. Pneumatic tires in the farm field. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7:50-57. Sept./Oct.1952. 58.9 C33

46589 STOLL, W. Was man beim kauf eines schleppers auch bedenken muss. Deut. Landwirt.-Gesell. Mitt. 68:105-106. Jan.29,1953. 18 N39

46590 STROPPEL, T. Der entwicklungsstand im ackerwagenbau. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:34-42. 1952. 18 K96

46591 THE TRACTOR Field Book with power farm equipment specifications. Chicago,1953. 404 p. 58 T672

46592 TRUBNIKOV, G. Rolling and testing [tractor] engines after repair. (In Russian.) Mashinno-Traktornaîa Sta. 12(12):21-24. Dec.1952. 58.8 M11

46593 VINOGRADOV, V. High quality and timely repair of machine-tractor park [at machine-tractor stations]. (In Russian.) Mashinno-Traktornaîa Sta. 12(10): 28-29. Oct.1952. 58.8 M11

46594 WIDT, R. A. DE. The cost and utilization of caterpillar tractors. (In Dutch.) Nieuwe Veldbode 19: 395-396. Feb.12,1953. 12 V542N

46595 WILSON, J. B. LP gas as tractor fuel. Ala. Farmer 32(4):9. Jan.1953. 276.8 AL1

FARM STRUCTURES AND RURAL HOUSING

46596 ASSOCIATION OF COUNTY SANITARY OFFICERS. Housing; interim report on the housing survey in rural areas (England and Wales). Norwich,1952. 11 p. 296.29 As7

46597 BENOY, W. G. Factory-type buildings for the farm. Power Farmer 10:80-82. Mar.1953. 58.8 P872

46598 DALE, A. C., and GIESE, H. Effect of roofing materials on temperatures in farm buildings under summer conditions. Agr. Engin. 34:168-177. Ref. Mar.1953. 58.8 Ag83

46599 ELGAR, N. E. B. Farm buildings at the Grassland Research Institute. Gt. Brit. Min. Agr. Agriculture 69:532-536. Feb.1953. 10 G79J

46600 GRANO, J. G. Settlement of the country. Fennia 72:340-380. Ref. 1952. 511 H367
Housing.

46601 HARTOGH, A. V. The preservation of buildings in the disaster district. (In Dutch.) Nieuwe Veldbode 19: 416. Feb.19,1953. 12 V542N
Netherlands.

46602 HARVEY, N. The prefabricated farm buildings of to-day. Power Farmer 10:86-88. Mar.1953. 58.8 P872

46603 LESOV, N. Proper execution of rural building construction. (In Russian.) Sel'sk. Stroitel' 7(6):15-17. Nov./Dec.1952. 296.28 Se4

46604 DAS NEUBAUERN-bauprogramm der Sowietzone im jahre 1952. Inst. f. Raumforsch. Inform. 2/3: 11-26. Jan.15,1953. 280.9 B6431

46605 POULSEN, S. Farm building research. (In Danish.) Dansk Landbr. 72:91-92. Feb.12,1953. 280.28 V91

46606 PULVER, E. Können die landwirtschaftlichen bauten billiger und betrieblich rationeller gestaltet werden? Grüne 81:229-231. Feb.27,1953. 17 Sch9
Switzerland.

Animal Shelters and Animal Service Buildings

46607 BINKERT, A. Offenstall, die bauweise der zukunft! Bauern-Ztg. 6(2):7;(3):7;(4):5;(5):5;(6):3. Jan.16-Feb.13,1953. 18 B324

46608 BOUMA, G. J. A. Construction of hog houses. (In Dutch.) Ons Friese Platteland 7(303):2-3. Jan.14, 1953. 12 On72

46609 BOYD, J. S., and MADDEX, R. L. Ventilation for the modern dairy barn. Mich. State Col. Agr. Ext. B. 310,24 p. Mar.1952. 275.29 M58B

46610 BROWN, J. C. Pole type broiler house. Amer. Poultry J. East. Ed. 84(2):13. Feb.1953. 47.8 Am32

46611 BROWN, L. H., CARGILL, B. F., and BOOKHOUT, B. R. Pen-type dairy barns. Mich. Agr. Expt. Sta. Spec. B. 363,rev.,32 p. Jan.1952. 100 M58S

46612 CARLSSON, C. E. Remove the harmful moisture; need for ventilation in barns. (In Swedish.) Lantmannen 37:174-176. Feb.21,1953. 11 L234

46613 CHERVIAKOV, L. A furnace for swine houses. (In Russian.) Sel'sk. Stroitel' 7(5):9-10. Sept./Oct.1952. 296.28 Se4

46614 CONNELLY, R. G. "Bossy" needs a barn. Before building, shop around for the best type and location. Farm & Ranch—South. Agr. Upper So. Ed. 83(3):15,80,85. Mar.1953. 6 T31

46615 DOMINY, J. N. Replanned buildings for milk production. Power Farmer 10:83-85. Mar.1953. 58.8 P872

46616 DU TOIT, H. R. Lay-out and design of the modern farmyard. Farmer's Wk. [Bloemfontein] 84:14-15. Feb.11,1953. 24 F225

46617 ELAM, F. L. Modern design in the stud barn. West. Livestock J. 31(16):164,166. Mar.1,1953. 6 F2278

46618 ELIASHVILI, A. Standard projects of livestock buildings. (In Russian.) Sovet. Zootekh. 7(11):80-83. Nov.1952. 49 So822

46619 EVANS, J. V. Simply constructed guinea pig metabolism unit, suitable for semi-quantitative determinations of urine and faeces. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:372-374. Dec.1952. 514 N48A

46620 GERRIE, W. A. G. Little details that make a big difference. Dairy Farmer [Ipswich] 26(3):49-50. Mar.1953. 44.8 D1414
Swine housing.

46621 GERRIE, W. A. G. Turn those old buildings into money. Dairy Farmer [Ipswich] 26(2):45,47. Feb. 1953. 44.8 D1414
Swine housing.

46622 GILDOW, E. M. Rabbit hutches and housing. Amer. Rabbit J. 23:33-34. Mar.1953. 40.28 Am3

46623 GOLOVANOV, N. Our method of building [swine houses] from slag concrete. (In Russian.) Sel'sk. Stroitel' 7(6):5. Nov./Dec.1952. 296.28 Se4

46624 GOODHUE, J. Horse barns. Blood-Horse 65: 666-669. Mar.21,1953. 42.8 T392

46625 GRAF. Der melkstand im grossbetrieb. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:41. 1953. 18 K96

46626 GRISHIN, V. Erecting stone constructions for livestock buildings by the freezing method. (In Russian.) Sel'sk. Stroitel' 7(6):17-18. Nov./Dec.1952. 296.28 Se4

46627 HASKELL, W. H. Sanitation on the dairy farm. 4. Beat the bacteria. Ohio Farm Bur. News 32(7):31. Feb.1953. 6 Oh34
Sanitation in the dairy barn.

46628 HECKL, R. Der offene stall und seine bautypen. ALB Mitt. 4:1-6. Ref. Jan./Feb.1953. 296.8 Ar1

46629 HOFMANN, R. Tieflaufställe und melkstände. ALB-Mitt. 3:73-75. Nov./Dec.1952. 296.8 Ar1

46630 ĬAGODIN, P. E. A solarium [for poultry]. (In Russian.) Ptitsevodstvo 11:18-19. Nov.1952. 47.8 P95

46631 ĬURGENSON, L. Ventilation system at the cow barn of Voskhodiashchaiâ Zvezda Kolkhoz. (In Russian.) Sel'sk. Stroitel' 7(6):13-14. Nov./Dec.1952. 296.28 Se4

46632 KNOOP, F. Milk through a hose. Farm Q. 8: 36-39,140-141. Spring 1953. 6 F22995
Cooling tanks and tank trucks.

46633 KRASINOVSKII, V. Building floors without nails in swine houses. (In Russian.) Sel'sk. Stroitel' 7 (6):10. Nov./Dec.1952. 296.28 Se4

46634 MISSLER, H. Eine praktische wanderhütte für die junghennenaufzucht. Deut. Wirtgeflügelzucht. 5:245-246. Feb.7,1953. 47.8 D483

46635 MITCHELL, C. W. New shapes for hog houses. Breeder's Gaz. 118(4):8,29. Apr.1953. 49 B74

46636 MOTHES, E. Leonardo da Vinci als stallarchitekt. Übersicht 3(12):55-58. Dec.1952. 18 Ub3

46637 MÜNSTERER. Die beste schweinebucht. Allgäuer Bauernbl. 21:34-35. Jan.15,1953. 18 AL53

46638 NEW IDEAS in hen houses. Capper's Farmer 64(3):36,40. Mar.1953. 6 M693

46639 OBER, J. Schweinestallaussenwände. ALB Mitt. 4:8-9. Jan./Feb.1953. 296.8 Ar1

46640 ONTARIO. AGRICULTURAL COLLEGE. A 30' x 40' all-weather laying and brooder house. Canada Poultryman 40(2):7-10. Feb.1953. 47.8 C166

46641 OZEROV, A. V., and ĬAGOVKIN, A. F. Construction of cattle yards. (In Russian.) Sotsialist. Zhivotnovod. 14(11):79-83. Nov.1952. 49 So71

46642 PAVLENKO, V., and GULIN, V. Swine housing with hot water heating. (In Russian.) Kolkhoz. Proizvodstvo 12(12):44-45. Dec.1952. 281.8 K83

46643 POS, J. New barns for old. Farmer's Mag. 50(2):23,50. Feb.1953. 7 C165

46644 RAUSING, R. Cows are on rubber in Sweden; no straw is required. Its is easy to keep cows clean and off cold, damp concrete. Hoard's Dairyman 98:288-289. Mar.25,1953. 44.8 H65

46645 SALISBURY, G. Loose housing at its best! Capper's Farmer 64(3):35,68. Mar.1953. 6 M693
Dairy cattle.

46646 SALTER, R. G. A study of modern farm buildings with special reference to cowsheds. Shropshire & Surrounding Co. Agr. News 16:140-144. June/Sept.1952. 10 Sh8

46647 SAMONOV, V. Construction of a six-row cow barn. (In Russian.) Sel'sk. Stroitel' 7(6):9. Nov./Dec. 1952. 296.28 Se4

46648 SCHACHT, F. L. Health boards and milking parlors. (Condensed.) Certif. Milk 28(2):13-14,16. Feb.1953. 44.8 C33

46649 SCHRÖDER, G. Ein zeitgemässer hühnerstall. ALB-Mitt. 3:79-80. Nov./Dec.1952. 296.8 Ar1
Germany.

46650 SEVERSON, H. This dairyman built a one-story barn. Farmer [St. Paul] Gen. Ed. 71(5):14. Mar.7, 1953. 6 F2211

46651 SINCOCK, R. L. Goose eggs can build any poultry house. Idaho Farmer 71:229,231. Mar.19,1953. 6 G282
Plan for a poultry house.

46652 SOLOV'EV, E. Construction and equipment of stalls in livestock buildings. (In Russian.) Sel'sk. Stroitel' 7(6):11-13. Nov./Dec.1952. 296.28 Se4

46653 STIETENROTH, K. Die wirtschaftlichkeit von wärmetauschern in ställen. ALB-Mitt. 3:75-76. Nov./Dec.1952. 296.8 Ar1

46654 TSIDAEV, S. We're constructing the principal buildings for livestock raising. (In Russian.) Sel'sk. Stroitel' 7(6):3-4. Nov./Dec.1952. 296.28 Se4

46655 VINE, R. Revolutionary new farrowing house being developed at Ruakura. New Zeal. Farmer 73(22):3-4. Jan.1,1953. 23 N484

46656 VOGELI, H. Die offenstallhaltung im lichte amerikanischer versuche. Grüne 81:213-218. Feb.20, 1953. 17 Sch9

46657 WALDO, R. Chicken house construction costs. Co-op Chick News 25:6. Jan./Mar.1953. 47.8 C783

46658 WIESENDANGER, H. Die offenstallhaltung. Grüne 81:123-143. Jan.30,1953. 17 Sch9

46659 WILLIAMS, R. H. Pole sheds for turkeys. Pa. Farmer 148:214-215. Feb.28,1953. 6 P383

Farmhouses and Farmsteads

46660 GRIFFITHS, D. W. Some aspects on housing in rural districts. Roy. Sanit. Inst. J. 73:115-119. Mar. 1953. 449.9 R812

46661 IRAIZOZ, A. Viviendas para trabajadores y campesinos. Tierra Libre 17(2):21. Feb.1953. 8 T443
Spain.

46662 MORDHORST, M. Eine neuzeitliche landküche. ALB-Mitt. 3:77-79. Nov./Dec.1952. 296.8 Ar1
Designs and specifications.

46663 WOOLRICH, A., BEVERIDGE, E., and WILSON, M. Housing needs of Western farm families. West. Coop. Ser. Res. Rpt. 1,215 p. 1952. 100 Ag8
Functional requirements of rural houses.

Greenhouses and Plant Service Buildings

46664 ANTONIUK, A. A. Utilization of industrial heat waste in vegetable culture. (In Russian.) Dostizheniâ Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:85-88. Oct.1952. 20 D742
Greenhouse heating.

46665 BOUILLENNE, R., and FOUARGE, M. Etude d'un nouveau type d'éclairage fluorescent pour la culture en serre. B. Hort. (n.s.)8:72-80. Mar.1,1953. 80 B873

46666 COLE, B. Temperature and humidity in greenhouses. Camellian 4:16,26. Jan.1953. 97.31 C14

46667 FRAMPTON, F. R. Another heating system; high velocity, low pressure, hot water. MGA Bulletin 39: 75-76. Mar.1953. 80 M97

46668 HARTEN, J. VAN. Advantages and disadvantages of different types of greenhouses. (In Dutch.) Groenten en Fruit 8:512. Jan.15,1953. 80 G89

46669 HENDRIKX, H. The origin and development of movable hot frames in North-Limburg. (In Dutch.) Groenten en Fruit 8:552. Jan.29,1953. 80 G89

46670 MEYN, W. The use of the coldframe in gardening. Fuchsia Fan 13(2):5-6. Feb.1953. 96.532 F952

46671 OLEINIK, M. M. How a hotbed with electric heating is constructed. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:51-53. Dec.1952. 20 D742

46672 WIRTH, N. Construction et conduite d'une petite serre à semis de graines de cactées et de plantes grasses. Cactus [Paris] B. 25:3-6. Jan.31,1953. 450 C114S

Materials and Methods

46673 DALZELL, J. R., and TOWNSEND, G. Concrete block construction for home and farm. Chicago, Amer. Tech. Soc.,1953. 216 p. 299 D17

46674 SKACHKOV, A. Utilization of lime-sand concrete in rural construction. (In Russian.) Sel'sk. Stroitel' 7(5):7-9. Sept./Oct.1952. 296.28 Se4

Storage Structures

46675 DEXTER, S. T., WEISS, W., and BOATMAN, W. J. B. Roundup on silage stacks and trenches. Hoard's Dairyman 98:172-173,185. Feb.25,1953. 44.8 H65

46676 FERREYRA, L. G. Construcción de un silo. Chacra 23(267):63. Feb.1953. 9 C34

46677 GARCIA URIBE, F. Almacenamiento de la maquinaria agricola. Tierra [México] 8:30-31. Jan. 1953. 8 T445

46678 KOLL, F., and STEPHAN, F. Der bau von obstlagerkellern. Bauer 6(10):9-13. Mar.7,1953. 19 B32

46679 KUCHER, F. How equipment is stored at Zvenigorodka MTS. (In Russian.) Mashinno-Traktornaîa Sta. 12(10):7-8. Oct.1952. 58.8 M11

46680 LUTHER, H. Uber die einlagerung von dieselkraftstoff. Deut. Agrartech. 2:252-253. Aug.1952. 58.8 D482

46681 MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Trench silos for Maryland. Md. Agr. Col. Ext. B. 146,10 p. Jan.1953. 275.29 M36B

46682 MÜLLER, P. Kartoffelgärbenhälter zur schweinemast unentbehrlich. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:17-18. 1952. 18 K96

46683 MURRAY, J. R. Stacking baled hay. New Zeal. J. Agr. 86:73-74. Jan.15,1953. 23 N48J

46684 ORLEANS, L. P., and COTTON, R. H. Beet shed ventilation in California. Amer. Soc. Sugar Beet Technol. Proc. 7:648-651. 1952. 66.9 Am35

46685 QUAMME, A. G. Ventilation of storage beets by forced air. Amer. Soc. Sugar Beet Technol. Proc. 7:652-654. 1952. 66.9 Am35

46686 SAINSBURY, G. F. Roof insulating methods; report of a study comparing ventilated and unventilated attic spaces above Pacific Northwest fruit cold storage buildings. Refrig. Engin. 61:286-291,330,332,334. Mar. 1953. 295.9 Am32J

46687 SCHAFER, K. Steigende mechanisierung erfordert bau von maschinenhallen. Landwirt. Wchnbl. 143:320-321. Mar.14,1953. 18 L2338

46688 SEGLER, G., and MATTHIES, H. J. Versuche mit heubelüftungsanlagen. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:12-16. 1952. 18 K96

46689 STEPHAN. Freistehende obstlagerkeller. Bauer 6(11):8-10. Mar.14,1953. 19 B32

Walls and Fences

46690 BLEICHERT, H. VON. Der elektrozaun. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 18,40 p. 1952. 18 K96

46691 BONSEN, R. ZUR. Der aufbau des elektro-weidezaunes. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:834-836. May 29,1952. 18 L2346

46692 BURGOS L., J. A. Postes vivos para cercos. Tingo Maria. Estac. Expt. Agr. C. Ext. 39,6 p. Nov.1952. 275.249 T49

46693 DOMSCH, M. Mit dem elektrozaun zu höheren leistungen auf unserem grünland. Deut. Agrartech. 2:240-242. Aug.1952. 58.8 D482

46694 MALLETT, J. A. Farm fencing hints. 4. Gates and gadgets. West. Austral. Dept. Agr. J. (ser.3)1:771-773,775-780. Nov./Dec.1952. 23 W52J

46695 MALLETT, J. A. Strainer posts and fence patterns. Austral. Junior Farmer 5(3):3-7. Jan./Feb. 1953. 23 Au782

46696 NELSON, T. "Bedspring" cattleguard. Reclam. Era 39:63-64. Mar.1953. 156.84 R24

46697 NULLMANN. Der elektrische weidezaun. Landwirt. Z. der Nord-Rheinprov. 120:72-73. Jan.17, 1953. 18 L2344

46698 SCHMAUDER. Wie zäunt ihr die koppeln ein? Deut. Agrartech. 2:364-365. Dec.1952. 58.8 D482

46699 SMITH, M. E. Fencing goes modern. Hormel Farmer 16(5):7-8. Jan.15,1953. 49 H782

46700 STACEY, W. A. Texas ranch fencing. Wood Preserv. News 31(2):14-15,21. Feb.1953. 300.8 W853

46701 WICKENDEN, G. L. Cattle stop with removable rails. New Zeal. J. Agr. 86:24. Jan.15,1953. 23 N48J

FARM UTILITIES

Electricity and Electrification

46702 ALABAMA POWER CO. RURAL AND TOWNS DIV. Electricity for the farm, by H. Mauldin and W. A. Cochran. Birmingham?1952. 144 p. 335 AL122

46703 BAKER, E. Electricity versus LP gas; safe, convenient, economical electricity is the answer to cooking and water-heating problems facing the rural family. Rur. Kentuckian 6(2):18,27. Feb.1953. 335.8 K41

46704 BECKER, H. Gedanken zur stromversorgung der landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 120:64-66. Jan.17,1953. 18 L2344

46705 DAVIS, J. F. Farmers use more electricity. Agr. Situation [Washington] 37(2):12-13. Feb.1953. 1 Ec7Ag

46706 EASTER, E. C. Engineered farm electric service. Agr. Engin. 34:155-156,158. Mar.1953. 58.8 Ag83

46707 ENGELIEN, F. Gute planung der elektrifizierung spart geld. Landwirt. Z. der Nord-Rheinprov. 120: 66-68. Jan.17,1953. 18 L2344

46708 FISCHER-SCHLEMM, W. E. Wie lässt sich die stromversorgung auf dem land verbessern? Tech. f. Bauern u. Gärt. Ausg. A 4:496. Nov.10,1952. 58.8 T223
Electricity on the farm.

46709 GOETZ, K. Elektrifizierung unserer bauernhöfe am scheideweg? Tech. f. Bauern u. Gärt. Ausg. A 5:9-10. Jan.10,1953. 58.8 T223

46710 GOLDING, E. W. Wind-generated electricity-and its possible use on the farm. Farm Mech. 5:114-117. Mar.1953. 58.8 B772

46711 KNIGHT, W. H., and MARTIN, J. W. Electrical control devices for farm use. Idaho. Agr. Col. Ext. L. 19,4 p. Sept.1952. 275.29 Id13Fa

46712 KNIGHT, W. H. Let's take care of our farm electrical equipment. Idaho. Agr. Col. Ext. L. 20,4 p. Dec.1952. 275.29 Id13Fa

46713 KNIGHT, W. H. New and useful electrical farm equipment. Idaho. Agr. Col. Ext. L. 18,4 p. June 1952. 275.29 Id13Fa

46714 KOLÎASIN, E. A. Electification of agricultural machines. (In Russian.) Sel'khozmashina 1:10-12. Jan. 1953. 58.8 Se42

46715 KREWATCH, A. V. Using electricity on the farm and in the home. Md. Agr. Col. Ext. B. 145,12 p. Jan.1953. 275.29 M36B

46716 LLOYD, J. R. The "all-electric" farm; safety measures. Agr. Gaz. N. S. Wales 63:633-634,659-660. Dec.1952. 23 N472

46717 LULLO, C. DI. Forms and methods in the use of electric energy on the farm. (In Italian.) Terra e Sole 126:61-62. Feb.1953. 16 T273

46718 LUND, R. Changes of the rules in regard to granting State aid to rural electrification. (In Swedish.) Joel 4:55-56. 1952. 335.8 J59

46719 MAUS, J. Elektrizität hilft der landfrau. Landwirt. Z. der Nord-Rheinprov. 120:70-71. Jan.17, 1953. 18 L2344

46720 RAUSHENBERGER, E. J. The application of internal combustion generating units in the rural electrification program. Washington,U. S. Rur. Electrif. Admin., 1952. 7 p. 1.933 R19
Presented at the Oil & Gas Power Conference, Buffalo, June 26, 1952 of the American Society of Mechanical Engineers.

46721 THOMSON, J. Bottleneck wiring. Prairie Farmer, Gen. Ed. 126(4):5,74. Feb.21,1953. 6 P883

46722 U. S. RURAL ELECTRIFICATION ADMIN. REA specification for parallel conductor drop wire. U. S. Rur. Electrif. Admin. Specif. PE-7,9 p. Aug.1952. 1.933 Sp38

46723 U. S. RURAL ELECTRIFICATION ADMIN. Report on Southeast Area Interim Field Conference, Chattanooga, Tennessee, Oct. 22-24, 1952. Washington? 1952. 20 p. 1.933 R264

46724 U. S. RURAL ELECTRIFICATION ADMIN. Specifications for secondary swinging clevises. U. S. Rur. Electrif. Admin. Specif. D-6,2 p. Sept.1952. 1.933 Sp37

46725 U. S. RURAL ELECTRIFICATION ADMIN. Specifications for service swinging clevises. U. S. Rur. Electrif. Admin. Specif. D-7,2 p. Sept.1952. 1.933 Sp37

46726 VEITS, V. I., and ZAKHARIN, A. G. Electrification of the irrigated districts of the great projects of communism. (In Russian.) Akad. Nauk SSSR. Vest. 22 (10):63-78. Oct.1952. 511 Ak14V

46727 WAECHTER, H. VON. Landwirtschaft und elektrizität. Landwirt. Z. der Nord-Rheinprov. 120:63-64. Jan.17,1953. 18 L2344

Heating, Lighting, and Radiation

46728 MOLLER, T. Planning of lighting of farm service buildings. (In Swedish.) Lantmannen 37:150-151, 159. Feb.14,1953. 11 L234

46729 MUTH, M. Die wärmewirtschaft im bauernhaus. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:10-13. 1952. 18 K96

46730 NAMPON, R. L'eclairage public dans les petites agglomérations rurales. Génie Rur. 46:63-67. Feb.1953. 58.8 Au8

46731 STEWART, R. E., and PHILLIPS, R. A. Heating rural homes with space heaters. Mo. Agr. Expt. Sta. B. 586,16 p. Aug.1952. 100 M693

Power Plants, Motors and Engines on the Farm

46732 BECKER, H. Der elektromotor im landwirtschaftlichen betrieb. Landtechnik 8:61-64. Feb.15,1953. 58.8 L235

46733 BECKER, H. Der elektromotor im landwirtschaftlichen betrieb. Landtechnik 8:92-98. Feb.28,1953. 58.8 L235

46734 BERNACCA, E. Between fantasy and reality: in search of new sources of energy. (In Italian.) Terra e Sole 126:46-48. Feb.1953. 16 T273

46735 BONDON, J. La prise de force indépendante. Motorisation Agr. 8(76):20. Jan.1953. 58.8 M85

46736 DEEV, P. Accelerated method of assembling windmills. (In Russian.) Tekhsovety MTS 14(2):12-16. Jan.1953. 58.8 T233

46737 IVANOVA, A. D., and NECHIPOROVA, P. S. Utilization of windmills on the collective farms of Moldavia. (In Russian.) Sotsialist. Zhivotnovod. 14(11): 87-90. Nov.1952. 49 So71

46738 KARMISHIN, A. V. Utilization of VU-D10 windmill for mechanization of livestock raising farms. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:53-57. Jan.1953. 20 D742

46739 KARMISHIN, A. V. UTV—5 windmill. (In Russian.) Mashinno-Traktornaia Sta. 12(11):20-22. Nov. 1952. 58.8 M11

46740 MEYER, F. Transportable elektromotoren in der landwirtschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1339,1341. Aug.28,1952. 18 L2346

46741 SHEFTER, IA. I., and KOLODIN, V. N. On flaws in the governor of D-18 windmill. (In Russian.) Sel'khozmashina 12:17-20. Dec.1952. 58.8 Se42

46742 STAUSS, W. Energie für die landwirtschaft. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:6-10. 1952. 18 K96
Fuel and electricity.

46743 VINTER, A. V. Utilization of wind power. (In Russian.) Priroda 42(2):23-28. Feb.1953. 410 P933

Sewage and Waste Disposal

46744 ROKEBY, T. R. C. New type septic tanks and cisterns prove successful after four years. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:33-35. Winter 1953. 100 So82S

Telephones

46745 NEW YORK TELEPHONE CO. Farm service telephone directory. n.p.,1952. 47 p. 225 N4897

Water Supply

46746 CRAIGIE, C. F. Soft water—a boon to modern farm living. Carolina Farmer 8(2):6,15. Feb.1953. 6 C223
Water conditioning.

46747 HOECHSTETTER, H. Fliessendes wasser—für mensch und vieh. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:4-6. 1952. 18 K96

46748 KALWEIT, H. Entwicklung der ländlichen wasserversorgung. Deut. Agrartech. 2:365-370. Dec. 1952. 58.8 D482

46749 KRAMARENKO, L. P., and KOBYLIANSKII, A. D. UIZH hydraulic ram. (In Russian.) Sovet. Zootekh. 7(11):75-79. Nov.1952. 49 So822

46750 MEYER, J. Farm sanitation. Rur. Kentuckian 6:10-11. Jan.1953. 335.8 R41
Running water in the farm home.

46751 PEREZ FLORES, F. Determinación de las posibles fallas en las bombas de pozo profundo. Almanaque Agropecuario del Perú 1:161. 1953. 9.8 AL6

46752 RABINOVICH, N. I. 8-AP electric plunger pump for supplying water to collective and livestock raising farms. (In Russian.) Gidrotekh. i Melior. 4(10):52-56. Oct.1952. 290.8 G362

46753 SINDALOVSKII, E. M. M-600 motor pump [for water supply and irrigation]. (In Russian.) Sel'khozmashina 10:14-15. Oct.1952. 58.8 Se42

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

46754 BONASTRE. Considérations sur la formation des ingénieurs des industries agricoles et alimentaires; réponse à M. Bousser. Indus. Agr. et Aliment. 70:5-9. Jan.1953. 383 As7
English summary.

46755 CASTRO, J. DE. World food policies. Voeding 14:86-102. Jan.15,1953. 389.8 V85

46756 CHEVALIER, A. Vues sur les principaux fléaux provoquant à l'heure actuelle la préparation des famines pour l'avenir. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 32:557-559. Nov./Dec.1952. 26 R323

46757 DARWIN C. G. Food and population; a long term analysis. Westralian Farmers Co-op Gaz. 23:209, 211. Nov.1952. 280.28 W522

46758 DEUTSCHES WIRTSCHAFTSINSTITUT. Die entwicklung der nahrungsmittelproduktion und die lage der werktätigen bauern in Asien seit dem ersten weltkrieg. Deut. Wirtinst. Ber. 3(21/22),26 p. Nov.1952. 280.9 B453

46759 GOFORTH, W. W. The most important industry. Food Canada 13(2):7-8,10,13. Feb.1953. 389.8 F7323
The food industry.

46760 GOLDSTEIN, E. Oberste instanz für auslegung von lebensmittelgesetzen in zweifelsfragen? Zucker- u. Süsswaren-Wirt. 6:47. Jan.20,1953. 286.8 Z8
Germany.

46761 HALNAN, C. A. The food outlook for 1953. Camping Mag. 25(2):24. Feb.1953. 409.78 C152

46762 HERKLOTS, G. A. C. Food and the future. 2.(A). Present methods of attack on the problem. Chem. & Indus. 7:136-140. Feb.14,1953. 382 M31C

46763 JACOBSEN, A. P. Ernährungsmöglichkeiten. Ber. über Landwirt. (n.s.)30:467-472. 1952. 18 G31
Germany.

46764 JENKS, J. La alimentación, la paz y el agricultor: "los alimentos y el comercio mundial." Agr. Venezol. 17(157):18-19. (Cont.) Nov.1952. 9.95 Ag8

46765 JONES, M. V. Quartermaster planning for war mobilization. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4:322-329. Fourth Q.1952. 389.9 As74A

46766 KRETOVICH, V. L. Protein problem in the food industry. (In Russian.) In Akademiia Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khozfaistve, p.191-205. Moskva,1952. 387.1 Ak12

46767 MCCORMICK, C. J. Progress toward easing world's food shortage. U. S. Dept. State. B. 28:343-345. Mar.2,1953. 150 B87

46768 MARZI, G. DE. Aspects of the food problem. (In Italian.) Alimentazione 2:13-18. Jan.1952. 389.8 AL45

46769 PEDERSEN, S. Quartermaster subsistence problems in Arctic and sub-Arctic regions. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4: 273-277. Fourth Q.1952. 389.9 As74A

46770 RIBA GABARRÓ, J. El problema de la alimentación. Cám. Ofic. Sind. Agr. de Barcelona. B. 7:289-290. Dec.1952. 15 C14

46771 SCHEUNERT, A. Ernährungsprobleme der gegenwart. Deut. Akad. der Landwirtwiss. Sitzber. 1(1), 19 p. 1952. 18 D4825

46772 SKOVGAARD, K. Fødeproduktionens udvikling [Development of food production]. Copenhagen,1952. p.85-101. Ref. 389 Sk5

46773 STRANIERI, P. The food situation in Germany. (In Italian.) Alimentazione 3(2):27-30. Feb.1953. 389.8 AL45

46774 USUELLI, F. Food conditions in our country. (In Italian.) Riso 2:6-9. Jan.1953. 59.8 R49
Italy.

46775 WEBER. Die welterzeugungslage land- und forstwirtschaftlicher erzeugnisse. Ber. über Landwirt. (n.s.)30:513-515. 1952. 18 G31

ANALYSIS AND COMPOSITION

46776 AGAZZI, E. J., PETERS, E. D., and BROOKS, F. R. Combustion techniques for the determination of residues of highly chlorinated pesticides by total chlorine analysis. Analyt. Chem. 25:237-240. Ref. Feb.1953. 381 J825A

46777 ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS. Proceedings of the sixty-sixth annual meeting, 1952. Assoc. Off. Agr. Chem. J. 36:1-123,128-137. Feb.15,1953. 381 As7

46778 BLOM, J. Bindungstypen in der stärke. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:141-142. Nov./Dec.1952. 390.08 V67

46779 BORNEFF, J. Versuche zur schnellschätzung "coliformer bakterien." Milchwissenschaft 8:48-51. Ref. Feb.1953. 44.8 M5933
English summary.
In food and ice cream.

46780 DEIBNER, L., and BENARD, P. Recherches sur la séparation quantitative, à l'aide d'un nouvel appareil distillatoire, de l'anhydride sulfureux contenu dans les liquides organiques, et sur les conditions de sa stabilité dans les distillats. Indus. Agr. et Aliment. 70: 11-15. (Cont.) Jan.1953. 383 As7
English summary.

46781 DIEMAIR, W. Neuzeitliche aufgaben und ergebnisse in der lebensmittelchemie. L und E 5(12): 11-12. Dec.1952. 389.8 Z34

46782 ESTABROOKS, R. G., and BOLLEN, W. B. Microplating and counting techniques for bacteria in food products. Food Technol. 7:105-108. Ref. Mar.1953. 389.8 F7398

46783 FOUASSIN, A. Méthode systématique de séparation et d'identification des colorants synthétiques utilisés dans les denrées alimentaires. Rev. des Ferment et des Indus. Aliment. 7:195-219. Ref. Dec.1952. 390.08 R32

46784 FRENKEL', S. IA. Measuring molecular weight of proteins by the method of light diffusion in solutions. (In Russian.) Biokhimiia 17:535-550. Ref. Sept./Oct. 1952. 385 B523

46785 FUTRELL, M. F. Studies on amino acids in self-selected diets. (Abs.) J. Home Econ. 45:208-209. Mar.1953. 321.8 J82

46786 GORBACH, G., TURJANSKYJ, J., and BUTSCHER, H. Mikromethoden auf dem lebensmittelgebiet. VI-VII. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:321-326. Ref. Nov.1952. 384 Z39
VI, Eine methode zur bestimmung der stärke; VII, Eine methode zur bestimmung der rohfaser.

46787 HANSSEN, E., DODT, E., and NIEMANN, E. G. Bestimmung von korngrösse, kornoberfläche und korngewicht bei pflanzlichen stärken. Kolloid-Z. 130:19-31. Ref. Jan.1953. 384 Z315

46788 HOPKINS, R. H. Stärke und die amylasen. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:142. Nov./Dec.1952. 390.08 V67

46789 JORGENSEN, H. Apparat und methode zur quantitativen zuckerbestimmung durch vergärung. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:144. Nov./Dec. 1952. 390.08 V67

46790 JORGENSEN, H. Appareil et méthode de détermination quantitative du sucre par fermentation. (Sum.) Meun. Franç. 75:28. Dec.1952. 298.8 M57

46791 KALOGEREA, S. A. Chēmikē sustasis tōn ellōnikōn trophōn kai pinakes diatrophēs. Chemical composition of Greek foods. Athens,Genikē Dieuthynsis Georgias,1952. 44 p. 389 K125

46792 LEPPER, H. A. Methodology. Assoc. Off. Agr. Chem. J. 36:30-37. Feb.15,1953. 381 As7

46793 MARX, T. Zur frage der existenz einer protein-ascorbinsäure-verbindung im frischen pflanzenmaterial. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95: 319-320. Nov.1952. 384 Z39

46794 MARX, T. Zur methodik der 1-ascorbinsäuretitration mit 2,6-dichlorphenolindophenol. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:315-318. Nov.1952. 384 Z39

46795 MATCHETT, J. R., and LOESECKE, H. W. VON. Food. Analyt. Chem. 25:24-30. Ref. Jan.1953. 381 J825A
Analysis.

46796 OBATA, Y., and SAKAMURA, S. On the photooxidation of L-tryptophan (Studies on the browning of foodstuffs. IV.). (In Japanese.) Chem. Soc. Japan. J. 73: 811-813. Nov.1952. 385 T57J

46797 OSWALD, E. J. Serological methods in the regulatory control of foods. Assoc. Off. Agr. Chem. J. 36:107-111. Feb.15,1953. 381 As7

46798 PORTOLES, A., and PARDO, P. Técnicas micrográficas en análisis bromatológico. An. de Bromatologia 4:265-277. Ref. 1952. 389.8 An1
English summary.

46799 POVOLOTSKAIA, K. L., and SKOROBOGATOVA, E. P. Comparison of chemical and microbiological methods of determining riboflavin in plant material. (In Russian.) Biokhimiia 18:79-88. Ref. Jan./Feb.1953. 385 B523

46800 SZOKE, S., and JOSEPOVITS, G. The ascertaining of microbiological vitamin and amic acid in natural substances. (In Hungarian.) Elelmezési Ipar 7:13-16. Jan.1953. 290.9 M57
English summary, back cover.

46801 ULMANN, M. Die grundlagen des thermischen stärkeabbaues. Kolloid-Z. 130:31-39. Ref. Jan.1953. 384 Z315

46802 VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Statistical methods for sensory difference tests of food quality. Va. Agr. Expt. Sta. Biannu. Rpt. 5, 20 p. Ref. Dec.1952. 389.9 V81
U. S. Bureau of Agricultural Economics cooperating.
Appendixes: A, Some statistical methods in taste testing and quality evaluation, by R. A. Bradley, 31 p.; B, Two-group comparisons in the rank analysis of incomplete block designs, by R. P. Bartlett, 42 p.; C, On the appropriateness of the model for the rank analysis of incomplete block designs, by R. A. Bradley, 26 p.

CONSUMPTION AND UTILIZATION

46803 GRABO, P. Farmer's consumption of home-produced food. (In Swedish.) Lantmannen 37:148-149. Feb.14,1953. 11 L234

46804 OHKAWA, K. Post-war changes in food consumption pattern. (In Japanese.) Nōgyō Sōgō Kenkyū 6 (4):1-16. Oct.1952. 22.5 N687
Japan.

46805 POSEGA, G. Der lebensmittelverbruach in 84 württembergischen landhaushalten. Reich der Landfrau 2:14-16. Jan.8,1953. 18 L2347

46806 TROELSTRUP, A. W. Consumer problems. New York,McGraw-Hill,1952. 458 p. Ref. 280 T74
Includes food purchasing.

46807 WEBB, F. A. The financial opportunities of chemurgy. Chemurg. Digest 12(2):4-5. Feb.1953. 381 N213Na

DISTRIBUTION, MARKETING, AND TRANSPORTATION

46808 ALVAREZ MERINO, M. Se mantendrá el sistema de cupos forzosos en el año 1952-53? Agr. Burgalés 19(208):13-14. Apr.1952. 15 Ag86

46809 ARNAUD, A. Les conditions de la manutention des produits de l'Union Française. Marchés Colon. du Monde 9:719-721. Mar.7,1953. 286.8 M33
Handling of agricultural products in ports.

46810 AYALA, E. Carreteras: mercado no descubierto. Com. Mex., Jan.1953:6-8. 286.8 C73334

46811 BERNFUS, E. Der transport leichtverderblicher lebensmittel. L und E 6(2):6-7. Feb.1953. 389.8 Z34

46812 BROWNER, V. L. Frozen foods is a 5 1/2 % business among the independents. Quick Frozen Foods 15(8):125,354. Mar.1953. 389.8 Q4

46813 CONNECTICUT. DEPT. OF FARMS AND MARKETS. MARKETING DIV. Crop, livestock and marketing review for 1951. Conn. Dept. Farms & Mkt. B. 123,33 p. Dec.1952. 2 C76B
Statistics.

46814 DICE, G., and others. Federal and Federal-State activities in the marketing field. Natl. Assoc. Mktg. Off. Rpt. 33:17-30. 1952. 280.39 N213P
T. C. Curry, R. O. White, E. J. Murphy, G. C. Freeman, and P. L. Koenig, joint authors.

46815 FOSTER, L. G. Federal-State cooperation plans for better marketing. Mktg. Activ. 16:7-11. Jan.1953. 1.942 A8M34

46816 HASSELBACH, W. VON. Marktbeobachtung ist unerlässliche selbsthilfe. Übersicht 3(12):28-33. Dec. 1952. 18 Ub3
Germany.

46817 JESNESS, O. B. Increasing the domestic market for American food and fiber. Nation's Agr. 28 (3):6-8. Mar.1953. 280.82 B89

46818 KELLEY, J. N. The refrigerator car situation from the shipper's viewpoint. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:120-122. 1953. 280.3939 Un3

46819 KRIESBERG, M., and BOUMA, J. C. Grocery retailers' views on wholesalers' assistance. Mktg. Activ. 16:3-6. Jan.1953. 1.942 A8M34
Grocery and produce merchandising.

46820 KUGLER, G. Die aktuelle frage: absatzsorgen der landwirtschaft und ihre folgen. Bauernfreund [Hannover] 2:1,14. Feb.1953. 18 B325
Germany.

46821 MCCALLISTER, K. J. High lights of thinking at the National Marketing Workshop on pricing and trade. (Excerpts.) Natl. Assoc. Mktg. Off. Rpt. 33:32-35. 1952. 280.39 N213P

46822 MCCLAY, J. S. "Straddling" between commodity futures markets. Manchester Sch. Econ. & Social Studies 21:22-38. Jan.1953. 280.8 M313

46823 NATIONAL ASSOCIATION OF MARKETING OFFICIALS. Report of the thirty-third annual convention, Buena Vista Hotel, Biloxi, Mississippi, October 20-24, 1952. Richmond,1952. 64 p. 280.39 N213P

46824 NEW JERSEY. DEPT. OF AGRICULTURE. Licensed dealers under the Milk Dealers' Licensing and Bonding Act and Cattle Dealers' Licensing Act. N. J. Dept. Agr. C. 388,28 p. Oct.1952. 2 N46C

46825 OESTERLE, E. Your representative, the food salesman. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers, Jan.29,1953:1-2,4-5. 275.29 In2Em

46826 PAREL, J. D., LAWRENCE, J. V., and WINTER, J. C. Some transportation problems and their relation to marketing. (Excerpts.) Natl. Assoc. Mktg. Off. Rpt. 33:45-56. 1952. 280.39 N213P

46827 PHILLIPSON, SIR S. The Marketing Board system at work. N.M.B. Journal 1:5-11. Mar.1952. 24 N564
Nigeria Produce Marketing Boards.

46828 PLATE. Entwicklung des innerdeutschen, besonders des agrarmarktes. (Extr.) Landwirtbl. Weser-Ems 99:1005. Oct.2,1952. 18 L2345

46829 PLUMMER, K. V. Improvements in refrigerator cars. Calif. Fruit News 127(3371):9-11. Feb.14, 1953. 80 C12

46830 RAAB, J. Die märkte 1953 in Bayern. Bayern in Zahlen 7:5-8. Jan.1953. 265 B34

46831 RISHER, F. W., and others. Present important activities or plans in my State that may be of interest to others. Natl. Assoc. Mktg. Off. Rpt. 33:9-17. 1952. 280.39 N213P
C. Moser, L. Fontenot, G. H. Chick, W. C. McMinimee, and F. C. Gaylord, joint authors.

46832 ROGERS, W. Broker more important than ever to the frozen foods business. Quick Frozen Foods 15(8):126,352. Mar.1953. 389.8 Q4

46833 SAINT-CHAMAS, J. DE. Du contrat d'affrètement portant sur des marchandises d'origine agricole. Rev. de Lég. Agr. 6:9-10. Jan./Feb.1953. 281.8 R325
France.

46834 SAVILLE, G. Transport and the food industry. Food Mfr. 28:109-110. II. Food Mfr. 28:109-110. Mar.1, 1953. 389.8 F736
Great Britain.

46835 SCHUMY, V. Marktlenkung und vorratswirtschaft. Salzburger Bauer 8(6):3,7. Feb.5,1953. 19 Sa3

46836 SOUTHWORTH, H. M. Developments in marketing processes affecting farm production practices. (Excerpts.) Natl. Assoc. Mktg. Off. Rpt. 33:41-45. 1952. 280.39 N213P

46837 U. S. BUR. OF AGRICULTURAL ECONOMICS. The agricultural situation in relation to increased transportation charges, by B. S. White. Washington,1952. 8 p. 1.941 M2Ag83
Testimony presented at Denver, Oct. 29, 1952, in connection with proceeding on I. & S. No. M-4416, Transcontinental and Western Increases, 1952.

46838 U. S. PRODUCTION AND MARKETING ADMIN. A plan for further development of the Connecticut Regional Market at Hartford. Washington,1953. 7 p. 1.956 M343P69

46839 U. S. PRODUCTION AND MARKETING ADMIN. Wholesale marketing of produce in the Beckley, W. Va., area, by T. D. Johnson and H. Evans. Washington,1952. 18 p. 1.956 M343W6227

46840 U. S. PRODUCTION AND MARKETING ADMIN. MARKETING AND FACILITIES RESEARCH BR. Recent publications. Washington,1952. 5 p. 1.956 M343R243

46841 WELLMAN, H. R. Farmers in all sections of country benefit from big West Coast markets. Farm Prog. 9(2):3. 1953. 281.8 F2224

46842 WOLF, J. DE. Agricultural roads. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:7-10. Jan.1953. 12 N282

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

46843 CAROTHERS, H. Factory inspection—chemical additives. (Excerpts.) Canning Trade 75(34): 59-60. Mar.9,1953. 286.83 T67

46844 CASARES, R., and VILLANUA, L. Anteproyecto de reglamentación del uso de sustancias conservadoras en los alimentos españoles. An. de Bromatología 4:321-327. 1952. 389.8 An1
English summary.

46845 CAVANDOLI, H. E. Inspección de conservas en latas y de embutidos. Rev. de Med. Vet. [Buenos Aires] 34:105-113. (Cont.) Apr./June 1952. 41.8 B86

46846 CHRISTOPHER, T. W. Factory inspection. Food Drug Cosmetic Law J. 8:101-107. Feb.1953. 389.58 F732

46847 D'AMBROSIO, A. Chemical additives in foods. (In Italian.) Alimentazione 3:31-44. Ref. Jan.1953. 389.8 AL45

46848 EMANUELE, F. Supression of frauds in food. (In Italian.) Alimentazione 3:24-25. Jan.1953. 389.8 AL45
Italy.

46849 FRENZEL, H. Ziele und aufgaben der lebensmittelkontrolle. L und E 5(12):14-16. (Concl.) Dec. 1952. 389.8 Z34
Austria.

46850 HART, W. J. Make the grades simple to understand! Quick Frozen Foods 15(8):167-168. Mar. 1953. 389.8 Q4
U. S. standards for grades of frozen foods.

46851 HARTWICH, A. Lebensmitteltechnik besiegt eine krankheit; die gefahr des botulismus ausgeschaltet. L und E 6(2):9-10. Feb.1953. 389.8 Z34

46852 HENRIKSEN, S. D., and RIDDERVOLD, H. O. An outbreak of food-poisoning due to an unusual strain of Salmonella typhi. Acta Path. et Microbiol. Scand. Sup. 93:254-258. 1952. 448.3 Ac8

46853 HINTON, C. L. Permitted food additives in Sweden. Food [London] 22(258):117-118. Mar.1953. 389.8 F738

46854 KANSAS. BOARD OF AGRICULTURE. Kansas weights and measures. Topeka,1952. 36 p. 2 K13Re

46855 KILLINGSWORTH, F. K. Import control under Federal laws. Food Drug Cosmetic Law J. 8:117-120. Feb 1953. 389.58 F732

46856 LA ROTONDA, C. Residual action of anti-parasitical treatments on agricultural products used for food. (In Italian.) Chim. e l'Indus. 35:11-13. Jan.1953. 385 G43
Insecticides and fungicides.

46857 MACLINN, W. A. Taste panel studies on fungicides. Agr. Chem. 8(3):50-52,145. Mar.1953. 381 Ag8
Effects on flavor of food.

46858 MARVIN, C. W. Grading and packing foods to meet consumer demands. Natl. Assoc. Mktg. Off. Rpt. 33:35-39. 1952. 280.39 N213P

46859 MOCK, H. The Food and Drug Administration: some of its important little-known activities. Food Drug Cosmetic Law J. 8:121-125. Feb.1953. 389.58 F732

46860 MONIER-WILLIAMS, G. W. Preservatives and coloring matters in food—history and present position of United Kingdom law. Food Drug Cosmetic Law J. 8: 92-100. Feb.1953. 389.58 F732

46861 NILSSON, H. The new food regulation and local adjustment. (In Swedish.) Kooperatören 1:3-7. Jan. 15,1953. 280.28 K832

46862 PACINI, A. B. F&DA inspection, sterilization. Drug & Allied Indus. 39(2):6-7. Feb.1953. 396.8 St2

46863 PATTERSON, W. I., and LEHMAN, A. J. Pesticides: some chemical considerations and toxicological interpretations. Assoc. Food & Drug Off. U. S. Q. B. 17:3-12. Jan.1953. 389.9 As7Q

46864 PAVLOVSKI, W. L. Quality and price stability are industry's problems. Quick Frozen Foods 15(8):122. Mar.1953. 389.8 Q4

46865 SAWALL, W. J. The two T's in food handling. Food Serv. 15(3):16-18,32-33. Mar.1953. 389.2538 F732
Food poisoning.

46866 VERNON, J. R. Produce inspection. N.M.B. Journal 1:37-44. Mar.1952. 24 N564
Agricultural products in Nigeria.

46867 WEYL, V. E. Fact or fancy in use of agricultural chemicals. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:28-37. 1952. 75.9 Oh3
Food contamination by pesticides used in production of foods.

46868 WINSLOW, C. E. A. Man and epidemics. Princeton, Princeton U. Press, 1952. 246 p. Ref. 449.1 W73M
Includes chapters on milk supply, food sanitation, and insects and disease transmission.

PACKING AND PACKAGING

46869 BOUILLANNE. Intervention sur le régime douanier des emballages. Tunisie Agr. 53:129-130. Dec.1952. 24 T832

46870 FOX, H. Frozen food carton. Food [London] 22(258):108-110. Mar.1953. 389.8 F738

46871 KLINGELHOFFER, H. Kunststoffe für die lebensmittelverpackung. (Sum.) Prakt. Chem. 4:9-10. Jan.1953. 384 P88

46872 LEITNER, G. L. Von "human relations" bis "kunststoffe für die lebensmittelverpackung"; nachlese zur Kunststoff-Tagung 1952 in Düsseldorf. Prakt. Chem. 4:5-10. Jan.1953. 384 P88

46873 LOPEZ CAPONT, F., and COBAS GONZALEZ, G. Estudio de las conservas gallegas. III. El recubrimiento de la hojalata española empleada en conservas. An. de Bromatologia 4:239-245. Ref. 1952. 389.8 An1
English summary.

46874 MATHER, G. Packaging materials and methods. I. Fiber drums. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4:307-310. Fourth Q.1952. 389.9 As74A

46875 PARRY, M. Packaging in relation to clean food and hygiene. Brit. Baker 126:290-291. Feb.20,1953. 389.8 B772

46876 WOLPER, P. K. Applications of glassine paper in food packaging. Food Technol. 7:126-131. Ref. Mar. 1953. 389.8 F7398

PRICES, PRICE CONTROL, AND RATIONING

46877 AAGAARD, J. A short retrospect. (In Danish.) Dansk Landbr. 72:64-66. Jan.29,1953. 280.28 V91
Chiefly on prices.

46878 CARPENTER, A. W. National policy shifts. East. Feed Merchant 4(4):82. Apr.1953. 389.78 Ea7
Price controls.

46879 COLLINS, J. Raw material prices ease. Internatl. Confectioner 63(2):22-23,29. Feb.1953. 389.8 In214

46880 FRANKEL, H. Profit margins of food manufacturers and distributors. II. Actual margins paid and the problem of subsidies. Farm Econ. 7:118-125. 1952. 281.8 F223
Great Britain.

46881 GIFFORD, C. W. What's the outlook? Farm J. 77(4):47,178. Apr.1953. 6 F2212
Chiefly prices.

46882 HATHAWAY, D. E., and PETERSON, E. E. Michigan farmers and the price support program. I. Farming under price supports. Mich. Agr. Expt. Sta. Tech. B. 234,23 p. Dec.1952. 100 M58S

46883 HATHAWAY, D. E., PETERSON, E. E., and WITT, L. Michigan farmers and the price support program. II. Farmers' attitudes toward the support program. Mich. Agr. Expt. Sta. Tech. B. 235,40 p. Dec.1952. 100 M58S

46884 HEIM DE BALSAC, G. La politique de soutien des produits agricoles aux Etats-Unis. Marchés Colon. du Monde 9:619-620. Feb.28,1953. 286.8 M33

46885 HENDRICKSON, R. F. Protect farm prices first. GTA Digest 13(2):29-31,34-39. Feb.1953. 280.28 G11

46886 HOPPER, W. C. How agricultural price supports work. Foreign Trade 13(322):16-20. Feb.28, 1953. 286.8 C162
In the United States.

46887 OGREN, K. E. Farm value of foods lower; cost at retail changes little. Agr. Situation [Washington] 37(2):3-4,16. Feb.1953. 1 Ec7Ag

46888 PLESSIS, J. P. Betrachtungen über die garantierten landw. preise. Bas-Rhin Agr. 8:65-66. Feb.14, 1953. 14 B29

46889 REBOUR, H. Prix "plancher" et prix "plafond". Rev. Agr. de l'Afrique du Nord 51:12-14. Jan.2, 1953. 80 R326

46890 RIEMANN, F. Preise und löhne in der deutschen landwirtschaft während des 17. und 18. jahrhunderts. Landwirt. Jahrb. f. Bayern 30:1-28. Ref. Jan.1953. 18 L24

46891 SAXON, E. A. Movements in prices received and paid by farmers. Westralian Farmers Co-op Gaz. 23:277,279,281,283-284. Dec.1952. 280.28 W522

46892 SCHMUCKER, H. Der neue preisindex für die lebenshaltung. Bayern in Zahlen 7:19-23. Jan.1953. 265 B34

46893 STEAD, L. Soil erosion due to low prices; Natal farmer indicts Government policy in humorous vein. Primary Prod. [Cape Town] 28(21):19. Sept.17, 1952. 281.8 P93
Union of South Africa.

46894 U. S. PRODUCTION AND MARKETING ADMIN. Price support handbook, by S. N. Gubin. Washington, 1952. 42 p. 1.956 P93P93

46895 WATERSCHOOT, H. Investigation about the economic situation of farms in Belgium, 1951-1952. II. Prices. (In Dutch.) Gent. Landbhogesch. Meded. 17:479-537. Ref. Sept.1952. 105.1 G344
English summary.

46896 WELLS, O. V. Review of farm price situation. Breeder-Stockman 14(10):18,110. Mar.1953. 49 V81

46897 WURZ, K. Paritätspreise in der landwirtschaft. Landwirtschaft 3/4:40-41. Feb.1953. 19 L235

PROCESSING AND STORAGE

46898 AMERICAN CAN CO. RESEARCH DEPT. Calculation of processes for canned foods. Maywood, Ill., 1952. 30 p. 389.3 Am33Cp

46899 ANGELUCCI, O. The concentration of liquids which are changed by heat. (In Italian.) Humus 8(12):26-27. Dec.1952. 16 H88
Includes fruit juices, milk, meat extracts, etc.

46900 AUSTERN, H. T. Collective action by growers; the canners' legal right. (Excerpts.) Canning Trade 75 (34):56-58. Mar.9,1953. 286.83 T67

46901 AUSTERN, H. T. Legal implications of group action by growers. Canner 116(11):26-27. Mar.14,1953. 286.83 C16

46902 BERZAGHI, M. N. Storage. III. (In Portuguese, Rev. dos Mercados 4(29):23-24. Jan.1953. 286.8 R328

46903 BERZAGHI, M. N. Storage and preservation. II. (In Portuguese.) Rev. dos Mercados 3(28):37-38. Dec.1952. 286.8 R328
Agricultural products.

46904 BING, F. C. Dietetic canned foods. Canning Trade 75(34):33-34,36. Mar.9,1953. 286.83 T67

46905 BUFFA, A. High vacuum technology and molecular distillation. (In Italian.) Conserve e Derivati Agrumari 1(3):13-19. July/Sept.1952. 389.8 C7622

46906 CAMERON, E. J. Appert and the science of canning. Calif. Fruit News 127(3372):5,11. Feb.21,1953. 80 C12

46907 COSTA, M. Independence of the seasons. Progress [London] 43(237):22-29. Winter 1952/53. 280.8 P949
Frozen food industry.

46908 COUNTRYMAN, J. E. How can we interest more farmers in growing our canning crops? Canning Trade 75(34):50-51. Mar.9,1953. 286.83 T67

46909 COVINGTON, J. H. Collective bargaining for raw materials: canner-grower limitations. (Excerpts.) Canning Trade 75(34):51-53. Mar.9,1953. 286.83 T67

46910 DAHLSTROM, D. A. Application of low-cost, high-capacity classification to thickening and separation of solids in the food industry. Food Technol. 7:116-126. Mar.1953. 389.8 F7398

46911 FERTIG, E. Biologische konservierung. Brauwissenschaft 1:12-13. Jan.1953. 390.8 B733
English summary.
Fermentation.

46912 GOFF, H. P. Aseptic canning. Canning Trade 75(34):22-24. Mar.9,1953. 286.83 T67

46913 GUTSCHMIDT, J. Das haltbarmachen von lebensmitteln durch gefrieren. Reich der Landfrau 3:17-24. Jan.15,1953. 18 L2347

46914 HARDY, B. Hawaii, too, has its share of unusual specialty packers. West. Canner & Packer 45(3): 38,45-46. Mar.1953. 286.83 W522

46915 HUBER, W., BRASCH, A., and WALY, A. Effect of processing conditions on organoleptic changes in foodstuffs sterilized with high intensity electrons. Food Technol. 7(3):109-115. Ref. Mar.1953. 389.8 F7398

46916 INTERNATIONALER KONGRESS DER GÄRUNGSINDUSTRIEN, 2, KNOKKE-LE ZOUTE, 1952. [Abstracts of proceedings]. Verssta. f. das Gärungsgewerbe. Mitt. 6:138-147. (Cont.) Nov./Dec.1952. 390.08 V67
Also in Meun. Franç. 75:24-30. Dec.1952. 298.8 M57

46917 KAMITO, A. Application of some chemicals to agricultural products in storage. (In Japanese.) Jap. J. Plant Protect. 36:259-262. June 1952. 421 J27

46918 KAZAKOV, A. Antibiotics and their utilization in the food industry. (In Russian.) Mîasnaîa Indus. SSSR. 23(5):52-54. Sept./Oct.1952. 50.8 M58

46919 KLAUSHOFER, H. Untersuchungen über eine in Österreich aus sulfitablauge hergestellte futterhefe. Verssta. f. das Gärungsgewerbe. Mitt. 6:124-135. Ref. Nov./Dec.1952. 390.08 V67

46920 KUDRÎAVTSEV, V. I. New method of selection of microorganisms. (In Russian.) In Vsesoîûznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliîa i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.31-32. Moskva,1952. 390.1 V96
Yeast for fermentation.

46921 LEDOCHOWSKI, J. S. M. Ingeniería bioquímica: producción de alimentos y fármacos. Asoc. Nac. de Ingen. Agron. B. 3(32):3-8. Nov.1952. 58.9 As5

46922 LIEBERMAN, J. Preventing disease through food-service-personnel training. Amer. Dietet. Assoc. J. 29:248-250. Mar.1953. 389.8 Am34

46923 LOGAN, J. A. Big frozen food future charted by chain survey. Quick Frozen Foods 15(8):123-124. Mar.1953. 389.8 Q4

46924 MARTIN, M., and VAN BLARICOM, L. O. Freezing foods for home use. Clemson Agr. Col. S. C. Ext. B. 110,rev.,34 p. Oct.1952. 275.29 So8F

46925 MORGAN, B. H., and BOHRER, C. W. Sterilization by atomic radiation. (Excerpts.) Canning Trade 75(34):26,28. Mar.9,1953. 286.83 T67
Of food.

46926 NEWTON, R. C. Scientific research—a builder of business. Canner 116(10):23-24. Mar.7,1953. 286.83 C16

46927 NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Canning. N. C. Agr. Col. Ext. C. 271,rev.,31 p. July 1952. 275.29 N811

46928 QUICK FROZEN FOODS. 1953 directory of frozen food processors of fruits, vegetables, seafoods, meats, poultry, concentrates and specialties. New York, 1953. 766 p. 225 Q4

46929 SCHACK-NIELSEN, W., and others. The canning industry at the turn of the year. (In Danish.) Konserves 10:133-138. Dec.1952. 389.8 K835
O. Davidsen, K. Lundby, and V. Olsen, joint authors.

46930 SUMMER, W. Ultrasonics; emulsification, the ageing of wines, and the accelerated crystallization of sugar are some of the applications of the ultrasonic technique in the food industry. Food [London] 22(258):96-99. Mar.1953. 389.8 F738

46931 SVENSKA INSTITUTET FÖR KONSERVERINGSFORSKNING. Redogorelse för Svenska Institutets för Konserveringsforskning verksamhet arbetsåret 1 juli 1951-30 juni 1952 [Report of the activity of the Swedish Institute for Food Preservation Research during the working year July 1, 1951-June 30, 1952]. Svenska Inst. f. Konservforsk. P. 72,19 p. 1952. 389.9 Sv2

46932 TALBURT, W. F. Research on frozen foods continues. Quick Frozen Foods 15(8):168-169. Mar. 1953. 389.8 Q4

46933 TRESSLER, D. K. What's new in frozen foods? Amer. Dietet. Assoc. J. 29:230-233. Ref. Mar. 1953. 389.8 Am34

46934 URBAIN, W. M. Facts about cold sterilization. II. Food Engin. 25(3):77-78,131-133. Mar.1953. 389.8 F737

46935 VON SCHELHORN, M. Efficacy and specificity of chemical food preservatives. Food Technol. 7:97-101. Ref. Mar.1953. 389.8 F7398

46936 WERNER, H. Möglichkeiten und grenzen der verwendung von naturfarbstoffen bei lebensmitteln. Fette u. Seifen 55:29-31. Jan.1953. 384 C422

46937 WILLIAMS, E. W. An industry is born. Quick Frozen Foods 15(8):77-81. Mar.1953. 389.8 Q4
The frozen food industry.

46938 WILSON, C. K. Continuous agitating retorts. (Excerpts.) Canning Trade 75(34):16,18. Mar.9,1953. 286.83 T67

STATISTICS

46939 AUSTRIA. STATISTISCHES ZENTRALAMT. Verwaltungsatlas auf statistischer grundlage. Wien, Osterreichische Staatsdruckerei,1952. 50 p. 266 St22V
Includes agricultural statistics.

46940 BACHER, I. A new method for estimating crops. (In Swedish.) Lantmannen 37:191-192. Feb.28, 1953. 11 L234

46941 BARR, G. W., and SELTZER, R. E. Arizona agriculture 1953; production, income, and costs. Ariz. Agr. Expt. Sta. B. 245,18 p. Jan.1953. 100 Ar4

46942 BAVARIA. STATISTISCHES LANDESAMT. Bayerische gemeinde- u. kreisstatistik 1949/50. Bayer. Statis. Landesamt. Beitr. z. Statis. Bayerns 177,4 nos. Sept.1952. 265 B32S
Includes agricultural statistics.

46943 BEAN, L. H. Are there cycles in agriculture? Farm & Ranch—South.Agr. Upper So. Ed. 83(3):17. Mar. 1953. 6 T31
Forecasting crop yields.

46944 BENGTSON, N. A., and RIGDON, V. E. Economic geography manual. Ed. 2. New York,Prentice-Hall,1952. 218 p. 278 B43E
Contains agricultural statistics.

46945 COMMONWEALTH ECONOMIC COMMITTEE. Plantation crops; a summary of figures of production, trade and consumption relating to sugar, tea,coffee, cocoa, spices, tobacco and rubber. London,1952. 120 p. 280.39 G794C

46946 FINLAND. STATISTISKA CENTRALBYRÅN. Statistisk årsbok för Finland ny serie, XLVIII, år 1952. Annuaire statistique de Finlande, nouvelle série, 48e année, 1952. Helsinki,1953. 379 p. 267.5 St2S
Includes agricultural statistics.

46947 HERRERA B., M. D. Identificación rural previa como sustituto de la cartografía. IV. Censo agropecuario de la República Dominicana. Estadística 10: 721-726 Dec.1952. 251.8 Es8
English summary.

46948 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian agricultural statistics 1949-50. Volume I. (Summary tables). Delhi,1952. 105 p. 269.5 St2Ag

46949 INDIANA. AGRICULTURAL EXPERIMENT STATION. Indiana crops and livestock. Ind. Agr. Expt. Sta. Ind. Crops & Livestock 325,4 p. Oct.1,1952. 252.25 Ag8

46950 ISRAEL. CENTRAL BUR. OF STATISTICS AND ECONOMIC RESEARCH. Statistical abstract of Israel, No. 3, 1951/52. Jerusalem,1952. 154,34 p. 269.8 Is7S
Contains data on agriculture.

46951 LUZZATTO, V. Aspects of certain crops in Venetia and in the national territory during the postwar period. (In Italian.) Serv. di Studi Econ. di Ca' Foscari. B. 6(6):9-13. 1952. 280.9 V553
Statistics.

46952 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. Report on crops, live stock, etc. produced in Manitoba in 1952. Manitoba. Dept. Agr. & Immigr. Crop. B. 131,56 p. 1953. 7 M31B
Statistical.

46953 MINNESOTA. STATE-FEDERAL CROP AND LIVESTOCK REPORTING SERV. Minnesota agricultural statistics, 1950-1951. Saint Paul,Minn.1952? 48 p. 1 Ec7M

46954 MISSOURI. DEPT. OF AGRICULTURE. Missouri farm census by counties 1951. Jefferson City, 1951. 18 p. 252.47 Ag8

46955 PRICE, O. T. W., and CLARK, K. R. Crop production and output in the United Kingdom. Farm Econ. 7:138-143. 1952. 281.8 F223
Statistical.

46956 SOUTHERN RHODESIA. CENTRAL AFRICAN STATISTICAL OFF. Fifth report on the agricultural and pastoral production of European farmers 1950-51. Salisbury,1952. 65 p. 270 R348R

46957 SPAIN. SECRETARIA GENERAL TECNICA. SERV. DE ESTADISTICA. Resumen estadístico de las producciones agrícolas 1950—51. Spain Min. de Agr. Serv. de Estadís. P. Ser. B. 34,48 p. 1952. 263 Ag82

46958 SWEDEN. STATISTISKA CENTRALBYRÅN. Årsväxten, år 1952: preliminär redogörelse [Crops, acreage and production in 1952: a preliminary report]. Stockholm,1953. 27 p. 257.3 St2Na
Table of contents and summary in English.

46959 U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock and poultry inventory (as of January 1, 1953). Fargo,1953. 2 p. 1.941 H8L754

46960 U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop reports to be issued by the Crop Reporting Board in 1953. Washington,1952. 1 p. 1.9 Ec71Crt

46961 U. S. BUR. OF AGRICULTURAL ECONOMICS. Distribution of U. S. food, cotton, and tobacco, July 1, 1951-June 30, 1952. Washington,1952. 18 p. 1.941 H8F73
U. S. Office of Foreign Agricultural Relations and U. S. Production and Marketing Administration cooperating.
Consumption and export statistics.

BEVERAGES AND CONDIMENTS

46962 ANDRADE, E. DE. Vinegar on the farm. (In Portuguese.) Colheit. e Mercados 8(9/12):19-22. Sept./Dec.1952. 255.3 Sa652
Home production.

46963 ANDREICHA, N. I. Improving quality of champagne corks. (In Russian.) Vinodel. i Vinograd. SSSR. 13:23-24. Jan.1953. 95.8 V77

46964 ANDREWS, J., and STRINGER, W. J. Colorimetric determination of trace metals in beer and in brewing materials. IV. Determination of copper. Inst. Brewing. J. (n.s.)50:52-55. Jan./Feb.1953. 390.9 In7

46965 ARENAS DIAZ-HELLIN, A. El vino, problema de actualidad. Semana Vitivinic. 8(340):2-3. Jan.3,1953. 95.8 Se5
Spain.

46966 ARTEAGA, P. H. Café (Coffea arabica, L. rubiaceas). Rev. del Café 8(6):23-24. Jan.1953. 8 R3295

46967 AUSTRALIA. WINE BOARD. Twenty-fourth annual report for year 1951-1952. Adelaide,1952. 15 p. 390.9 Au72

46968 BEKIROV, U. I., and BAGRAMOV, I. A. Preparation of active solution of sulfite liquor. (In Russian.) Vinodel. i Vinograd. 12(9):52-53. Sept.1952. 95.8 V77
Sterilizing wine containers.

46969 BEKIROV, U. I., and BEKIROVA, L. M. Technology of muscatel wine of Uzbekistan. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):15-17. Feb.1953. 95.8 V77

46970 BENESCH, C. Schwefel im mostkeller. Bauer 6(3):12-13. Jan.17,1953. 19 B32

46971 BENOIT, P. Les hybrides en coopérative. Viticult. Nouvelle 5(57):22-24. Jan.1953. 390.8 V832
Wine manufacture.

46972 BENSON, R. Two leaves and a bud. Crown 42(3):12-14,22. Mar.1953. 389.8 C88
Tea history and processing.

46973 BERG, H. Colorimetric copper determinations. Wines & Vines 34(2):27. Feb.1953. 95.8 C122

46974 BEYDE, F. Die brände und liköre, genussmittel von hoher qualität—erzeugt aus heimischen rohstoffen. L und E 6:7-8. Jan.1953. 389.8 Z34
Austria.

46975 BIRON, M. Densimètre, mustimètre et réfractomètre. Prog. Agr. et Vitic., Feb.15/22,1953: 103-106. 14 P94

46976 BITZER, J. Branntweinerzeugung, monopolbranntweinabsatz und staatshaushaltseinnahmen aus dem branntweinmonopol in der Bundesrepublik im betriebsjahr 1951/52. Branntweinwirtschaft 75:4-7. Jan.10,1953. 390.8 B7322

46977 BOBADILLA, G. F. DE., and NAVARRO, E. Vinos de Jerez—contribución al estudio de sus caracteríticas, análisis de varios tipos de vinos. Spain. Inst. Nac. de Invest. Agron. B. 12:377-395. Dec.1952. 105.6 Sp14
English summary.

46978 BOURDIER, L. Une cave cooperative en Anjou. Potasse 27:33-35. Feb.1953. 57.8 P84

46979 BRANAS, J. Corbières et vins d'Algérie. Prog. Agr. et Vitic., Feb.15/22,1953:85-90. 14 P94

46980 BRIAND, G. La situation viticole. Paysan Franç. 28(421):28. Jan.1953. 14 P29
Wine.

46981 BROWN, W. M. Die koordinierung der wissenschaftlichen weiterentwicklung in der europäischen brauindustrie. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt 6:144-146. Nov./Dec.1952. 390.08 V67

46982 BURDZHANADZE, V. F. Simplified records in primary wine manufactures. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):52-54. Feb.1953. 95.8 V77

46983 CALARCO, F., CAMPO, L. C. DE DO, and ROL, R. Determinación de la acidez volátil en vinos por el método oficial de A.O.A.C. comparado con el método oficial argentino. Argentina. Dir. Nac. de Quím. An. 5 (9):15-17. 1952. 385 Ar33

46984 CALLE, H. Los concentrados de pulpa y de mucilago del café. Cent. Nac. de Invest. de Café. Bibliot. B. Inform. 3(35):22-30. Nov.1952. 68.29 C332

46985 CANSTEIN, FREIHERR VON. Zur wirtschaftlichen lage des deutschen weinbaues. Deut. Weinbau 8: 81. Feb.20,1953. 390.8 W432

46986 CARBONELL, R., and VILANOVA, T. New method of processing coffee. (In Portuguese.) Fazenda 48(2):30-32. Feb.1953. 6 H11P

46987 CARDELUS, C. El chocolate; reseña histórica y nota sobre el análisis del tipo denominado familiar. An. de Bromatología 4:261-264. 1952. 389.8 An1
English summary.

46988 CARLING, T. E. Wine and the grape. Field Annu. 1953:81-83. 10 F45A
Kinds of wine and grape varieties.

46989 CARRION, P. La Feria Internacional de la Viña y el Vino, de Montpellier. Semana Vitivinic. 7(335/336):40-41. Nov.29/Dec.6,1952. 95.8 Se5

46990 CLARKE, W. T. Fine grinding of chocolate. Internatl. Confectioner 63(2):12-13,29. Feb.1953. 389.8 In214

46991 CLERCK, J. DE. Die haltbarmachung des bieres. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6: 147. Nov./Dec.1952. 390.08 V67

46992 COLAMARIA, F. Utilization of wine manufacturing byproducts. (In Italian.) Agr. Ferrarese 56:205-206. Sept.30,1952. 16 Ag87

46993 DALMASSO, G. Genial forms of wine propaganda. (In Italian.) Alimentazione 3(2):17-20. Feb.1953. 389.8 AL45
Italy.

46994 DATUNASHVILI, E. N. Efficiency in production of Rostov champagne. (In Russian.) Viondel. i Vinograd. SSSR. 11:57-58. Nov.1952. 95.8 V77

46995 DE ZOETE & GORTON. Tea producing companies 1952. London,1952. 336 p. 225 T224

46996 DURMISHIDZE, S. V., BUKIN, V. N., and EROFEEVA, N. N. Biological testing of various types of wine. (In Russian.) Akad. Nauk SSSR. Dok. 88:109-112. Ref. Jan.1,1953. 511 P444A

46997 DYMCHISHIN, D. A. Question of determining the strength of cognac spirits. (In Russian.) Vinodel. i Vinograd. 12(9):28-29. Sept.1952. 95.8 V77

46998 DZHANPOLADIAN, L. M., and PETROSIAN, TS. L. Reducing losses during cognac aging. (In Russian.) Vinodel. i Vinograd. SSSR. 13:25-29. Jan.1953. 95.8 V77

46999 EGGENDORFER, T. Der österreichische weinbau im rahmen des europäischen weinbaues. Landwirtschaft 1/2:15. Jan.1953. 19 L235

47000 FEDERACION CAFETALERA CENTRO AMERICA-MEXICO Y EL CARIBE. Precios de café spot en Nueva York de 1948 a 1952. San Salvador,1952. 17 p. 284.368 F31

47001 FRANCIS, L. R. Australian wines. Bottler & Packer 27:84,86,88,90-92. Jan.1953. 390.8 B65

47002 FROLOV-BAGREEV, A. M. Ways to improve quality of champagne. (In Russian.) Vinodel. i Vinograd. 12(9):18-19. Sept.1952. 95.8 V77

47003 GALZY. Observations sur la production industrielle de "levures sélectionnées." Prog. Agr. et Vitic.,Feb.15/22,1953:97-103. 14 P94

47004 GARREAU, O., and PUISAIS. La casse brune. Viticult. Nouvelle 6(58):8-9. Feb.1953. 390.8 V832

47005 GERMANY. (FEDERAL REPUBLIC 1949-). STATISTISCHES BUNDESAMT. Die weinmosternte 1952. Germany. Statis. Bundesamt. Statis. Ber. III/13/21,19 p. Feb.7,1953. 265 V58

47006 GOMES, H. Brandy manufacture. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1 (8):47-50. Aug.1952. 9. 2 M663

47007 GRIEBEL, C. Zur geschmackswirkung der inhaltsstoffe der sekretzellen des pfeffers. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:327-329. Nov.1952. 384 Z39

47008 GSTIRNER, F. German wine. Ubersee-Post 1: 374-375. Jan.2,1953. 286.8 Ub3

47009 GVELESIANI, K. I. Certain tasks of cognac manufacture. (In Russian.) Vinodel. i Vinograd. 12(9): 26-28. Sept.1952. 95.8 V77

47010 HAESELER, G. Neues essiggärungsverfahren (moderator-system). Branntweinwirtschaft 75:17-22. Jan.25,1953. 390.8 B7322

47011 HAESELER, G. Schönung von spirituosen. Branntweinwirtschaft 75:42-44. Feb.1,1953. 390.8 B7322

47012 HENNIG. Die versuche mit austauschern. (Sum.) Deut. Weinbau 8:57. Feb.5,1953. 390.8 W432
In wine manufacture and chemistry.

47013 HESS, E. Die tätigkeit der Abteilung Betriebskontrolle an der Versuchsstation für das Gärungsgewerbe in Wien (vorbericht für das jahr 1952). Verssta. f. das Gärungsgewerbe. Mitt. 6:147-148. Nov./Dec.1952. 390.08 V67

47014 HIDALGO, L. Consideraciones sobre la industria enológica de la República Argentina. Agricultura [Madrid] 22(249):3-7. Jan.1953. 15 Ag84

47015 HOELEN, H. Differences in regional Dutch beer consumption. (In Dutch.) Natl. Comt. v. Browgerst. Jaarb. 17:48-59. 1953. 390.9 N21

47016 HORI, T. Physiological studies on the winter storage of ginger and potato in central Japan. Bot. Mag. 65:119-122. May/June 1952. 450 B651

47017 INDIA. OFFICIAL TEAM ON THE TEA INDUSTRY. Report. New Delhi,Min. Com. & Indus.,1952. 89 p. 286.368 In2

47018 INGEMANSSON, I. The coffee of Brazil and the cacao of the Gold Coast. (In Swedish.) Svensk Geog. Arsb. 28:90-107. Ref. 1952. 502 L972
English summary.

47019 ISEBAERT, L. Bericht über die untersuchungs-, versuchs- und forschungsergebnisse der Association V.E.B.O. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:140-141. Nov./Dec.1952. 390.08 V67

47020 IURCHENKO, P. F. Improving the quality of fruit and berry wines. (In Russian.) Vinodel. i Vinograd. SSSR. 13:50. Jan.1953. 95.8 V77

47021 JACOBS, R. Die blauschönung bei der weinbereitung. Deut. Weinbau 8:61-62. Feb.5,1953. 390.8 W432

47022 KAISER. Das 26. betriebsjahr 1944/45 der Reichsmonopolverwaltung für branntwein. Branntweinwirtschaft 75:53-54. (Cont.) Feb.1,1953. 390.8 B7322

47023 KAISER. Worauf beruht der zwang, trinkbranntwein als inländisches oder ausländisches erzeugnis zu bezeichnen (§100 abs. 4 des Branntweinmonopolgesetzes). Branntweinwirtschaft 75:38-39. Feb.1,1953. 390.8 B7322
Germany.

47024 KAUERT, G. La chromatographie et le brasseur. (Sum.) Petit J. du Brasseur 61:73-79. Jan. 30,1953. 390.8 P44
Includes analysis of the must.

47025 KIELHOFER, E. Schönung oder filtration? Deut. Weinbau 8:59-60. Feb.5,1953. 390.8 W432
Wine.

47026 KOCH. Qualität der traubensäfte heben! (Sum.) Deut. Weinbau 8:58. Feb.5,1953. 390.8 W432
For wine manufacture.

47027 KOCH, J. The texture of chocolate. Mfg. Confectioner 33(3):44-45. Mar.1953. 389.8 M31

47028 KOLBACH, P. Die herstellung der würze. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:146-147. Nov./Dec.1952. 390.08 V67

47029 KOROTKEVICH, A. V. Determination of color intensiveness of wines and cognacs. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):17-20. Feb.1953. 95.8 V77

47030 KOROTKEVICH, A. V., and TIURIN, S. T. Objective method of determining yeast dregs. (In Russian.) Vinodel. i Vinograd. 12(9):9-11. Sept.1952. 95.8 V77
In wine manufacture.

47031 KOTTASZ, J. The development of the vinegar industry and the progress made in the examination of vinegar since 1945. (In Hungarian.) Elelmezési Ipar 7: 1-4. Jan.1953. 290.9 M57
English summary, inside back cover.
Hungary.

47032 KRICHMAR, M. S. Premium table wines of southern Ukraine. (In Russian.) Vinodel. i Vinograd. 12 (9):5-8. Sept.1952. 95.8 V77

47033 KRUPENIKOV, I. A. D. I. Mendeleev on Russian wine. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):32-33. Feb.1953. 95.8 V77

47034 KURSANOV, A. L., ZAPROMETOV, M. N., and EROFEEVA, N. N. Vitamin activity of tea leaf catechins. (In Russian.) Biokhimiia 17:729-733. Ref. Nov./Dec. 1952. 385 B523

47035 KUTTER, F. Uber den geschmack des bieres. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:144. Nov./Dec.1952. 390.08 V67

47036 KVASNIKOV, E. I. Principal peculiarities of the microbiological processes in wine manufacture of Middle Asia and ways of controlling them. (In Russian.) In Vsesoiuznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliia i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.82-93. Ref. Moskva,1952. 390.1 V96
Wine diseases.

47037 LABBÉ, L. Oú en est la vente des sodas? Fruits et Leurs Dérivés 21:36-37. 1952. 389.68 J98
France.

47038 LAFON, J., and COUILLAUD, P. Méthodes rapides de détection et de dosage du cuivre dans les eaux-de-vie. Ann. des Falsif. et des Fraudes 46(529/530): 35-40. Jan./Feb.1953. 389.6 An72

47039 LAGUNA LAGUNA, S. El problema vinicoalcoholero: un año más de incertidumbre? Semana Vitivinic. 7(335/336):78-79. Nov.29/Dec.6,1952. 95.8 Se5
Spain.

47040 LAPKO, A. IA. Preparation of spirit extract liquor. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2): 34-35. Feb.1953. 95.8 V77
Cognac manufacture.

47041 LAPKO, A. IA. Reasons for the loss of alcohol in cognac while in storage. (In Russian.) Vinodel. i Vinograd. SSSR. 11:24-26. Nov.1952. 95.8 V77

47042 LINCKE, E. Die brauindustrie Portugals. Brauwelt 5:52-55. Jan.16,1953. 390.8 B732

47043 LINDEMANN, M. Untersuchung von malzen unter besonderer berücksichtigung der malze des jahrgangs 1952/53. Brauwelt 9:97-98. Jan.30,1953. 390.8 B732

47044 LUZURIAGA, E. R. DE. Modern distillery practice. Sugar News [Manila] 29:8-10. Jan.1953. 65.8 Su36

47045 MAESTRO PALO, F. Año de vinos picados. Semana Vitivinic. 8(346):2-3. Feb.14,1953. 95.8 Se5

47046 MAIOROV, V. S. Esters of cognac alcohol and method for their analysis. (In Russian.) Vinodel. i Vinograd. SSSR. 12:52-55. Dec.1952. 95.8 V77

47047 MARTAKOV, A. A. Increase in cider yield from reprocessing of apples. (In Russian.) Vinodel. i Vinograd. Vinograd. SSSR. 13(2):20-26. Feb.1953. 95.8 V77

47048 MASTER BREWERS ASSOCIATION OF AMERICA. Condensations of papers delivered at the 45th annual convention. III. Amer. Brewer 86(2):60-61, 74-75. Feb.1953. 390.8 Am3

47049 MASTER BREWERS ASSOCIATION OF AMERICA. Condensations of papers delivered at the 45th annual convention. IV. Amer. Brewer 86(3):50,52, 54,58,71. Mar.1953. 390.8 Am3

47050 MENSIO, C. Malic-lactic fermentation. (In Italian.) Colt. e Glor. Vinic. Ital. (n.s.)99:4-6. Jan.1953. 16 C72
In wine manufacture.

47051 MIROSHNICHENKO, V. A. Valuable initiative. (In Russian.) Vinodel. i Vinograd. SSSR. 13:55. Jan.1953. 95.8 V77
Press in champagne manufacture.

47052 MOLINA, R., and COBOS, J. El vino de la verdad: Montilla y Moriles. Semana Viticinic. 7(335/336): 33-39. Nov.29/Dec.6,1952. 95.8 Se5

47053 MONDAVI, R. Table wine prospects for 1953. Wines & Vines 34(2):19-20. Feb.1953. 95.8 C122

47054 MORALES FLORES, A. La importancia económica del café en la América Latina. Rev. del Café 8(6):29-31. Jan.1953. 8 R3295

47055 MORIYAMA, T., and RYU, K. Studies on the pan-parched tea manufacturing process. (In Japanese.) Kyushu Noji Shikenjo 10:125-127. Sept.1952. 107.6 K996

47056 MOSIASHVILI, G. I. New types of yeast used to obtain natural dessert wines. (In Russian.) Vinodel. i Vinograd. SSSR. 11:12-13. Nov.1952. 95.8 V77

47057 MYNCKE, H. Les ondes ultrasonores. Louvain. U. Assoc. des Anciens Etud. en Brasserie. 48: 105-119. Sept./Dec.1952. 390.9 L93

47058 NEGRE, E. La préparation des levures sélectionnées. Prog. Agr. et Vitic.,Jan.18/25,1953:39-41. 14 P94
For wine manufacture.

47059 NEGRE, M. E., and CORDONNIER, M. R. Les origines du fer des vins. Acad. d'Agr. de France. Compt. Rend. 39:52-56. Jan.7,1953. 14 P215Bc

47060 NICK, P. Haltbarkeit des bieres einst und jetzt in der praxis. Brauwelt 15:159-161. Feb.20,1953. 390.8 B732

47061 NIGRA, G. Wines of the Island of the Hesperides. (In Italian.) Alimentazione 3:47. Jan.1953. 389.8 AL45
Sicily.

47062 OERTZEN, U. VON. Es geht um viele millionen. Brauwelt 4:41-43. Jan.12,1953. 390.8 B732
Malt prices in Germany and the problem of substitute materials.

47063 OKHREMENKO, N. S. Problems of microbiology in wine manufacture and viticulture and coordination of work in this field between related scientific research institutions. (In Russian.) In Vsesoîûznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliîa i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.10-15. Moskva,1952. 390.1 V96

47064 OSIPOV, N. V. Characteristics of acidity-restoring processes in wine. (In Russian.) Vinodel. i Vinograd. SSSR. 12:17. Dec.1952. 95.8 V77

47065 PARFENT'EVA, T. L. Determination of specific weight in wine. (In Russian.) Vinodel. i Vinograd. SSSR. 11:9-12. Nov.1952. 95.8 V77

47066 PARFENT'EVA, T. L. Temperature at which wine has the most body. (In Russian.) Vinodel. i Vinograd. SSSR. 13:16-19. Jan.1953. 95.8 V77

47067 PATO, M. Receptacles for fermentation. (In Portuguese.) Granja [Lisboa] 12:27-30. Jan./Mar.1953. 15.5 G76
Wine.

47068 PAVLONSKIĬ, A. M. Double cube apparatus for distilling waste products of the wine industry. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):29-31. Feb. 1953. 95.8 V77

47069 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Crianza y conservación del vinagre. Semana Vitivinic. 8 (344):2-3. Jan.31,1953. 95.8 Se5

47070 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Vinos tintos de la cosecha de 1952. Semana Vitivinic. 8 (345):2-3. Feb.7,1953. 95.8 Se5
Spain.

47071 PEYER, E. Gedanken in einem schönen weinkeller. Schweiz. Z. f. Obst- u. Weinbau 62:41-44. Feb.7,1953. 80 Sch9

47072 PEYNAUD, E., and CHARPENTIE, Y. Dosage de l'acide gluconique dans les mouts et les vins provenant de raisins attaqués par le Botrytis cinerea. Ann. des Falsif. et des Fraudes 46(529/530):14-21. Jan./Feb.1953. 389.8 An72

47073 PONOMAREV, V. G. Reasons for cloudiness in reservoir champagne. (In Russian.) Vinodel. i Vinograd. 12(9):20-26. Sept.1952. 95.8 V77

47074 PROKHOROV, B. N., and ALEKSANDROVSKIĬ, B. N. Automatic regulation of champagne manufacture in reservoirs. (In Russian.) Vinodel. i Vinograd. SSSR. 11: 20-23. Nov. 1952. 95.8 V77

47075 QUERIDO, P. Holland and brewing. Amer. Brewer 86(3):47-48. Mar.1953. 390.8 Am3

47076 RODOPULO, A. K. Reaction of acetamide formation in wine. (In Russian.) Vinodel. i Vinograd. SSSR. 12:14-16. Dec.1952. 95.8 V77
Amides.

47077 RODOPULO, A. K. Role of organic ferrous salts in ripening and aging of wine. (In Russian.) Vinodel. i Vinograd. SSSR. 13:9-12. Jan.1953. 95.8 V77

47078 SAENKO, N. F., and MEDÍAKOVA, S. I. Continuous method of preparing a yeast separator. (In Russian.) Vinodel. i Vinograd. SSSR. 13:20-23. Jan.1953. 95.8 V77
For champagne.

47079 SAENKO, N. F. Research of Magarach Institute in the field of [wine] microbiology from the day it was founded. (In Russian.) In Vsesoîûznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliîa i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.16-28. Ref. Moskva,1952. 390.1 V96

47080 ST. JOHNSTON, J. H. Die proteinfraktionen in würze und bier und deren bedeutung für den brauprozess. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:140. Nov./Dec.1952. 390.08 V67

47081 SALLER, W., PRILLINGER,and HAUSHOFER, J. Die "gekühlte gärung" im vergleichsversuch zur fass- und drucktankgärung. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:6-15. Jan.1953. 105.9 K696
English summary.
Wine.

47082 SALLER, W. Gekühlte gärung—kaltgärung. Schweiz. Z. f. Obst- u. Weinbau 62:49-50. Feb.7,1953. 80 Sch9

47083 SAMUEL, E. Tea planting in New Guinea. New Commonwealth 24:578-579. Dec.8,1952. 280.8 C88
The industry.

47084 SANTURIO, J. Café y cacao: producción y mercados mundiales. Cuba Econ. y Financ. 28(322):21-22. Jan.1953. 286.8 C892

47085 SAPONDZHÍAN, S. O., and GEVORKÍAN, KH. S. Determination of acetal in wine. (In Russian.) Vinodel. i Vinograd. SSSR. 13:13-15. Jan.1953. 95.8 V77

47086 SCHELLENBERG, A. Was für überlegungen gelten für die behandlung roter Ostschweizer weine? Schweiz. Z. f. Obst- u. Weinbau 62:93-96. Mar.7,1953. 80 Sch9

47087 SCHREUDER, W. H. E., and SPOON, W. On the fermentation and refermentation of cacao. (In Dutch.) Bergcultures 22:11,13,15, Ref. Jan.1,1953. 22.5 B45
English summary.

47088 SCOTT, R. M. Wines—Alsace, Rhone and Anjou. (Sum.) Food & Cookery Rev. 20(20):16-18. Feb.1953. 389.8 F7328

47089 SCRIBAN, R. Glucides et matières azotées de la bière. Petit J. du Brasseur 61:60-65. Jan.23,1953. 390.8 P44

47090 SIQUEIRA, N. DE. Maté cooperatives and the "tax on production." (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6(54):19-20. Jan.1953. 44.8 B634
Brazil.

47091 STEINGRUBER, P., and HAUSHOFER, J. Tank-gärversuche. I. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:3-6. Jan.1953. 105.9 K696
English summary.
Wine.

47092 SVENSON, J. Die gerstenflocken als rohstoff für die bierherstellung und ihr einfluss auf die bierqualität. Brauwelt 17:188-192. Feb.27,1953. 390.8 B732

47093 TANNER, H., and RENTSCHLER, H. Die quantitative bestimmung der äpfelsäure in süssen und vergorenen getränken. Schweiz. Z. f. Obst- u. Weinbau 62:74-77. Feb.21,1953. 80 Sch9

47094 TESTA, J. Is the statistical equilibrium of coffee being maintained? (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:994-996. Nov.1952. 68.29 Sa63

47095 THERON, H. F. Position in various European countries. 2. (In Afrikaans.) Wynboer 22(257):8-9. Feb.1953. 390.8 W724

47096 TĬURINA, L. V., and TĬURIN, S. T. Microbiological control of contaminated wooden [wine] containers. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):26-27. Feb.1953. 95.8 V77

47097 TROLLE, B. Der eiweissabbau im verlauf des maischprozesses. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:139. Nov./Dec.1952. 390.08 V67

47098 UTTING, J. Australia drinking more cider. Fruite et Leurs Dérivés 21:24. 1952. 389.68 J98

47099 VAXELAIRE, R. Le marché des vins. Coopération 23:21-23. Feb.1953. 280.28 C7845
France and Algeria.

47100 VESELOVSKIĬ, B. S. New machinery for champagne production. (In Russian.) Vinodel. i Vinograd. SSSR. 11:18-20. Nov.1952. 95.8 V77
Bottling.

47101 VIÑALS CAPELL, J. M. Los refractómetros, la maduración de la uva y el contenido en azúcares del mosto. I. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:82-83. Apr.1952. 15 C14

47102 VINCOS, A. Especulación en vinos y oscilaciones de precios. Semana Vitivinîc. 7(335/336):69,71. Nov.29/Dec.6,1952. 95.8 Se5

47103 VSESOĬUZNYĬ NAUCHNO-ISSLEDOVATEL'SKIĬ INSTITUT VINODELIÎA I VINOGRADARSTVA, MAGARACH. Voprosy mikrobiologii v vinodelii i vinogradarstve. Trudy Konferenîsii po mikrobiologii 1950 g. [Problems of microbiology in wine manufacture and grape culture. Proceedings of the Conference on Microbiology in 1950]. Moskva,1952. 173 p. 390.1 V96

47104 WAGENER, G. W. Champagne versus sparkling wine. Wine & Spirit 22(2):14-15. Feb.1953. 390.8 W725

47105 WEBEL, E. La Baviere et ses brasseries. Petit J. du Brasseur 61(2426):8-15. Jan.2,1953. 390.8 P44

47106 WIRTH, H. Die vorschätzung der weinmosternte 1952 in Baden-Württemberg. Statis. Monatsh. Württemb.-Baden 6:337-338. Nov.1952. 265 St24

47107 YANG, H. Y. Pigment precipitation in blackberry wine. Wines & Vines 34(2):28. Feb.1953. 95.8 C122

47108 ZAPROMETOV, M. N. Chromatography of tea tannin. (In Russian.) Priroda 41(11):106-108. Nov.1952. 410 P933

47109 ZELENINA, I. N. Influence of alcohol concentration upon the activity of yeasts. (In Russian.) Vinodel. i Vinograd. SSSR. 12:18-21. Dec.1952. 95.8 V77
In wine manufacture.

47110 ZHELTKEVICH, G. G. Calculation of loss of alcohol in primary wine manufactures. (In Russian.) Vinodel. i Vinograd. SSSR. 11:14-16. Nov.1952. 95.8 V77

47111 ZHGENTI, N. M. New technology for sparkling Ateni [wine]. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):28. Feb.1953. 95.8 V77

47112 ZNAMENSKII, N. N., and BRUSILOVSKII, S. A. Striving to improve the quality of Soviet champagne. (In Russian.) Vinodel. i Vinograd. SSSR. 12:22-30. Dec.1952. 95.8 V77

DAIRY PRODUCTS

47113 AMERICAN NUTRITION SOCIETY. Symposium on milk; 1953 convention, May 20-24, Pasadena, California. Mod. Nutr. 6:1-18. Jan.1953. 389.9 Am352

47114 ANDERSON, E. O., and MASON. Die deutsche milchwirtschaft in der sicht amerikanischer sachverständiger. Molk.-Ztg. 7:185-186. Feb.19,1953. 44.8 M735

47115 BARTLETT, S. Dairy farming and dairy work. Roy. Agr. Soc. Eng. J. 113:182-191. Ref. 1952. 10 R81

47116 BEHR-NEGENDANCK, VON. Die milcherzeugerberatung in Schleswig-Holstein. Molk.- u. Käserei-Ztg. 4:212-213. Feb.19,1953. 44.8 M736

47117 BLOK, G. Raising the cultural level of production—most important factor in improving the quality of products. (In Russian.) Moloch. Promysh. 13(11):9-12. Nov.1952. 44.8 M734
Butter industry chiefly.

47118 BRANNAN, C. F. Where our milk comes from. Jersey B. 72:238-239. Feb.25,1953. 43.8 J48
Speech before the 35th Annual Convention, National Milk Producer's Federation.

47119 CARR. Has butter a future? Macdonald Farm J. 13(6):2-5. Feb.1953. 101 M144
Outlook in Canada.

47120 CASTILLO F., J. R. La industria de la leche. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1: 17,59. (Cont.) Oct.1952. 8 G934
Guatemala.

47121 CHARLES H. HOOD DAIRY FOUNDATION. Annual report, 1952. Boston,1952. 27 p. 44.9 C38

47122 CLUNIES-ROSS, I. The Australian Dairy Produce Board. Austral. Dairy Rev. 21:8-9. Jan.1,1953. 44.8 Au73

47123 COLLINS, W. E., and others. Seasonality of supply and utilization of milk in the South, 1949. South. Coop. Ser. B. 25,59 p. July 1952. 100 G29So
Cooperative project of the Agricultural Experiment Stations of Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and the U. S. Bureau of Agricultural Economics.

47124 CREA, V. Trends and developments in the field of milk. (In Italian.) Latte 27:15-16. Jan.1953. 44.8 L35
Italy.

47125 DAIRYMEN'S ASSOCIATION OF WESTERN ONTARIO. 86th annual convention of western Ontario dairymen. Canad. Dairy & Ice Cream J. 32(2):30-32,67. Feb.1953. 44.8 C162

47126 DUPLAN, J. H. Trends in ice cream industry. Canad. Dairy & Ice Cream J. 32(2):25-26,40,42. Feb.1953. 44.8 C162

47127 FORTIN, G. Agronomie canadienne-française. I. Et maintenant un mot sur le beurre. Québec Lait. 12: 12-13. Jan.1953. 44.8 Q3

47128 FRANCISCO, D. What's ahead for dairy foods? South. Dairy Prod. J. 53(3):66-69,74,76-78,80,86-87. Mar.1953. 44.8 So83

47129 FROKER, R. K. What's ahead for butterfat. Milk Dealer 42(5):47,84-87. Feb.1953. 44.8 M595

47130 HARRISON, H. M. Dairying in Etex continues to develop. East Tex. 27(5):6,10,16. Feb.1953. 6 Ea73

47131 HEGG, M. Franken als milchwirtschaftsland. Molk.-Ztg. 6:498-499,502-503. May 15,1952. 44.8 M735

47132 HERZ, H. The dairy industry in Europe: from earthen dikes to iron curtain. Milk Dealer 42(6):118-119. Mar.1953. 44.8 M595

47133 HOFER, F. Etwas über Emmentaler-käse. Molk.-Ztg. 7:135-136. Feb.5,1953. 44.8 M735

47134 HUPKES, C. M. Nouvelle phase dans l'industrie laitière. (In Dutch.) Econ.-Statis. Ber. 38:88-91. Feb.4,1953. 280.8 Ec722
French summary, p. 84.
Netherlands.

47135 JEFFERY, R. A. Dairying in Costa Rica. Home Farmer 20(2):24-25,27. Feb.1953. 280.344 H75

47136 JOURNEES d'Etudes Fromagères de Poligny (Jura) 8-13 septembre 1952. Lait 33(321/322):111-125. Jan./Feb.1953. 44.8 L143
Organized by the International Dairy Federation and the Food and Agriculture Organization.

47137 KELLER, H. Milchwirtschaftliches rechnen. Molk.-Ztg. 7:51-52. (Cont.) Jan.8,1953. 44.8 M735

47138 KELLER, H. Milchwirtschaftliches rechnen. Molk.-Ztg. 7:219-220. (Cont.) Feb.26,1953. 44.8 M735

47139 KERIMOV, G. Milk of buffaloes and products derived from it. (In Russian.) Moloch. Promysh. 14(2): 36. Feb.1953. 44.8 M734

47140 KOGAN, M. Some data on the economic aspects of the dairy industry in capitalist countries. (In Russian.) Moloch. Promysh. 13(12):41-42. Dec.1952. 44.8 M734

47141 KOHR, and KELTING. Entwicklungstendenz der dänischen milchwirtschaft. Molk.-Ztg. 7:71-74. Jan.22,1953. 44.8 M735

47142 KUHNEL, A. Wege zum erfolg im molkereifach; eine erfolgslehre für den gesamten berufsnachwuchs der milchwirtschaft. Zentverband. Deut. Molkfachleute. u. Milchwirt. Schrreihe. 7,146 p. 1952. 44.9 Z4

47143 LAZARUS, A. J. Dairying in New Zealand. Indian Dairyman 4:103-106,108. Dec.1952. 44.8 In282

47144 LEACH, J. Vegetable oils vs. butterfat. O.A.C. Rev. 65:173-174. Jan.1953. 276.8 On8

47145 LEROY, A. Production et transformation laitières au Portugal. Indus. Lait. (n.s.)77:37-40. Feb. 1953. 44.8 In2

47146 LIST, A. Einige gedanken zum milchwirtschaftsjahr 1953. Osterr. Milchwirt. 8:47-48. Feb.21, 1953. 44.8 Os72

47147 MAHR, T. Der bauer kennt seine milch nicht mehr. Allgäuer Bauernbl. 21:36. Jan.15,1953. 18 AL53
Milk beverages.

47148 MAKKINGA, H., and PARODI C., N. Leche y lecherias. Vida Agr. [Lima] 29:1113,1115-1116. Dec. 1952. 9.8 V66

47149 MASSEY AGRICULTURAL COLLEGE. Dairyfarming annual 1952; including the proceedings of the fifth annual meeting of dairyfarmers conducted by Massey Agricultural College, Palmerston North, June 10, 11, 12 and 13, 1952. Palmerston North,1952. 170 p. 44.9 M382

47150 MAYER-DIETFURT, H. Ergebnisse einer studienreise deutscher milchwirtschaftler nach den USA. Deut. Molk.-Ztg. 74:155-158. Feb.6,1953. 44.8 Su2

47151 MAZERAN, P. Orientation et amélioration de la production du lait de brebis. France. Min. de l'Agr. B. Tech. d'Inform. 76:27-33. Jan./Feb.1953. 14 F844B
The industry.

47152 MELHUUS, N. Dairy industry in Trøndelag. (In Norwegian.) Meieriposten 42:118-120. Feb.14,1953. 44.8 M47

47153 MYRICK, N. What's ahead for the dairy industry. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:3-6. 1952. 44.9 V593

47154 MYRICK, N. C. A. Iverson—he sees new horizons in dairy education. Amer. Milk Rev. 15(2):28, 32. Feb.1953. 44.8 Am38
Public relations.

47155 NATIONAL MILK PRODUCERS FEDERATION. A dairy policy, 1952; being the resolutions passed by the thirty-fifth annual convention in Dayton, Ohio, November 11, 12, 13, 14 and 15, 1951. Natl. Milk Prod. Fed. Educ. Ser. 43,27 p. 1952. 281.3449 N21

47156 NERI, A. Butter. (In Italian.) Latte 27:33-34. (Cont.) Jan.1953. 44.8 L35
Italy.

47157 NEW ZEALAND DAIRY BOARD. Twenty-eighth annual report and statement of accounts for period of 12 months ended 31st July, 1952. Wellington,1952. 81 p. 44.9 N489A

47158 NIEMEYER. Die trinkmilchherstellung beginnt im kuhstall. Molk.- u. Käserei-Ztg. 4:153-157. Feb.5, 1953. 44.8 M736
Observations on the American dairy industry.

47159 OBRITZHAUSER, W. Studienreise "milcherzeugung" nach den USA. Agr. Rundschau 9:45-47. Winter 1952/53. 280.8 Ag82

47160 PEREIRA, J. F. A study on acidophilus milk. (In Portuguese.) B. do Leite (ser.4)6(66):11. Dec.1952. 44.8 B633

47161 PILSINGER, H. Wissenswertes aus Dänemarks milchwirtschaft. Landwirtschaft 3/4:57-59. (Cont.) Feb.1953. 19 L235

47162 POMPA, A. Ice cream through the ages. Dairyman 70(2):69-70. Feb.1953. 44.8 D1426

47163 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 74:105-106. (Cont.) Jan.23,1953. 44.8 Su2
Sterilization.

47164 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 74:136-137,160-161. (Cont.) Jan.30-Feb.6,1953. 44.8 Su2

47165 RIEDEL, W. Die trinkmilch. Deut. Molk.-Ztg. 74:280-281. (Cont.) Feb.27,1953. 44.8 Su2

47166 RØNNEVIG, G. M. Report on the year 1952. (In Norwegian.) Meieriposten 42:67-72. Jan.24,1953. 44.8 M47
Dairy industry.

47167 RUEHE, H. A. Butter enters 1953. Butter Ideas 5(4),7 p. Mar.1953. 44.8 B984

47168 SCHNEITER, F. Zur urgeschichte der milchwirtschaft. II. Osterr. Milchwirt. 8:22-23. Jan.21,1953. 44.8 Os72

47169 SENTEX. Orientation et amélioration de la production du lait de brebis. France. Min. de l'Agr. B. Tech. d'Inform. 76:35-38. Jan./Feb.1953. 14 F844B

47170 SMALL, A. C. Dairying industry developments (Extr.) Power Farming Austral. & New Zeal. 61(12):25, 27. Dec.1952. 58.8 P87
New South Wales.

47171 SNOW, B. V. Will they be drinking 'filled' milk tomorrow? An industry wonders. 1. Imitation milk products—how big is the threat? West. Dairy J. 9(5):9-15. Mar.1,1953. 44.8 W524
Dairy products containing vegetable fats.

47172 SOMMER, H. H. L'industrie laitière aux Etats-Unis. Québec Lait. 12(2):14-16,18. Feb.1953. 44.8 Q3

47173 SPEE, F. GRAF VON. Milch im widerstreit. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:867-868. June 5,1952. 18 L2346

47174 TRBHANE, W. R. Increasing milk production. Irish Agr. & Creamery Rev. (n.s.)18(230):5-7. Feb. 1953. 44.8 C866

47175 U. S. BUR. OF DAIRY INDUSTRY. Partial list of references on cream cheese and Neufchatel cheese. U. S. Bur. Dairy Indus. BDI-Inf-148,4 p. Mar.1953. 1.973 D4B34
Supersedes BDIM-Inf-60, Partial list of references on Neufchatel and cream cheese.

47176 VAN WORMER, G. Impressions of the dairy show. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:25-26. 1952. 44.9 V593

47177 VAUTELET, H. E. Has butter a future? Macdonald Farm J. 13(5):2-5. Jan.1953. 101 M144

47178 VERMONT. UNIVERSITY AND STATE AGRICULTURAL COLLEGE. Papers presented at the thirty-first annual conference for dairy plant operators and milk distributors Burlington, Vermont, October 22 and 23, 1952. Burlington,1952. 26 p. 44.9 V593

47179 VOLZ, W. Der bau kann beginnen; noch einmal das thema flaschenmilch; die länder sind sich einig. Deut. Milchhandels-Ztg. 75(7):14-16. Feb.20, 1953. 44.8 D48

47180 WASSERMANN, O. Land- und forstwirtschaftliches berufsausbildungsgesetz; wie weit ist davon die milchwirtschaft betroffen? Osterr. Milchwirt. 8:1-3. Jan.7,1953. 44.8 Os72

47181 WHEELER, L. S. Costings and the milk industry. IV. Milk Indus. 33(8):47-51. Feb.1953. 44.8 M593
Great Britain.

47182 WHITTIER, E. O. What can we do about milk fat? Butter, Cheese & Milk Prod. J. 44(3):33,66. Mar. 1953. 286.85 B98Bu

47183 WITHEY, S. H. Depreciation and maintenance of dairy plant. II. Dairyman 70(2):71-73. Feb.1953. 44.8 D1426

47184 YOUNG, J. A. Problems of the milk producer. Soc. Dairy Technol. J. 6:22-29. Jan.1953. 44.8 So12
Great Britain.
Includes discussion.

47185 ZANOTTI, M. The Ferrara dairy industry asks recognition of its "grana." (In Italian.) Latte 27:37-38. Jan.1953. 44.8 L35

47186 ZENTRALVERBAND DEUTSCHER MOLKEREI-FACHLEUTE UND MILCHWIRTSCHAFTLER. Deutsche fachleute über die milchwirtschaft in USA; auswertung und nutzanwendung einer studienreise. Zentverband. Deut. Molkfachleute. u. Milchwirt. Schrreihe. 6,127 p. 1952. 44.9 Z4

Analysis and Composition

47187 ANDERSON, A. W., and ELLIKER, P. R. The nutritional requirements of lactic streptococci isolated from starter cultures. I. Growth in a synthetic medium. J. Dairy Sci. 36:161-167. Ref. Feb.1953. 44.8 J822

47188 ANTOINE, A. Relations entre protéines et matières grasses du lait. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:5-8. 1952. 105.1 G285

47189 AUCLAIR, J. E., and HIRSCH, A. The inhibition of micro-organisms by raw milk. I. The occurrence of inhibitory and stimulatory phenomena. Methods of estimation. J. Dairy Res. 20:45-59. Ref. Feb.1953. 44.8 J823

47190 BRADFIELD, A. Progress report on research on weigh can sampling. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:23-24. 1952. 44.9 V593

47191 BRIGGS, M. An improved medium for lactobacilli. J. Dairy Res. 20:36-40. Ref. Feb.1953. 44.8 J823

47192 CAMUS, A. Le test de la phosphatase en fromagerie. (Sum.) Lait 33(321/322):123-124. Jan./Feb. 1953. 44.8 L143

47193 CERUTTI, G. On the chemical and physical characteristics of Danish butter. (In Italian.) Ann. della Sper. Agr. (n.s.)7:189-192. 1953. 16 An76
English summary.

47194 CHALMERS, C. H. Testing milk for fat and solids-not-fat. Dairyman 70(2):63-66. Feb.1953. 44.8 D1426

47195 COOK, J. H., FOLLSTAD, H. C., and FISHER, W. W. The determination of moisture in process American cheese and process cheese food. Assoc. Off. Agr. Chem. J. 36:132-137. Feb.15,1953. 381 As7

47196 CUNNINGHAM, C. G. Preparation of sample of pressurized cream. Assoc. Off. Agr. Chem. J. 36:128-131. Feb.15,1953. 381 As7

47197 FARFALETTI-CASALI, P. L., and CERUTTI, G. Freezing influence on the stability of milk-lecithins. (In Italian.) Ann. della Sper. Agr. (n.s.)7:193-196. 1953. 16 An76
English summary.

47198 GALESLOOT, T. E. The relation between the germ count of farm milk and the count in the reductase test. II. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:22. Jan.14,1953. 44.9 AL3

47199 GALESLOOT, T. E. Some aspects of the bacteriology of pasteurised milk. III. Influence of storage of raw milk at different temperatures on the thermoduric count. Nederlands Melk- en Zuiveltijdschr. 6:283-301. Ref. Oct./Dec.1952. 44.8 N283

47200 GALL-PALLA, V. A rapid method for determining protein content in cow milk. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:735-739. 1952. 41.8 V6494
English summary.

47201 GARVIE, E. I., and STONE, M. J. The associative growth of Bacillus cereus and Streptococcus lactis in milk. J. Dairy Res. 20:29-35. Feb.1953. 44.8 J823

47202 GARVIE, E. I. Some group N streptococci isolated from raw milk. J. Dairy Res. 20:41-44. Ref. Feb.1953. 44.8 J823

47203 GAZENEGER, E. A [milk] plant laboratory in the effort to improve the quality of products. (In Russian) Moloch. Promysh. 13(10):14-16. Oct.1952. 44.8 M734

47204 GERBER, J., and SIEGENTHALER, E. Die verwendung des photoelektrischen leukometers im molkereilaboratorium. Molk.- u. Käserei-Ztg. 4:180-183. Feb.12,1953. 44.8 M736

47205 GIBSHMAN, M. Acetic acid bacteria in dairy products. (In Russian.) Mikrobiologiia 21:647-656. Ref. Nov./Dec.1952. 448.3 M582

47206 GIBSHMAN, M. Brown spots in the crust of Dutch cheese. (In Russian.) Moloch. Promysh. 13(10): 36-39. Oct.1952. 44.8 M734
Caused by bacteria.

47207 GILMORE, T. E., and PRICE, W. V. Titration test for casein for use in cheesemaking. Butter, Cheese & Milk Prod. J. 44(3):28-29,61-64. Ref. Mar.1953. 286.85 B98Bu

47208 GRIFFITHS, D. G., JONES-EVANS, E., and THOMAS, S. B. The detection of reject class milk by smell and 80% alcohol screening test. Soc. Dairy Technol. J. 6:37-39. Jan.1953. 44.8 So12

47209 GULVADY, S. L., KANNAN, A., and BASU, K. P. Cholesterol content of milk of cows and buffaloes. Indian J. Dairy Sci. 5:125-134. Ref. Sept.1952. 44.8 In28

47210 HAUSS, J. L. DE. Analyse du lait par les méthodes photo-colorimetriques. Lait 33(321/322):20-24. Ref. Jan./Feb.1953. 44.8 L143

47211 HEUPKE, W. Milch, das schutz- und heilmittel für gesunde und kranke. Frankfurt/Main,1952. 75 p. 389.1 H48M
Composition and nutritive value.

47212 INDERNIZZI, R. Sur la tendance du lait à s'acidifier et à cailler. Québec Lait 12:16-19,36. Jan. 1953. 44.8 Q3

47213 JACQUET, J., and LE NIR, Y. Evaluation rapide du taux de chlorures du lait. Lait 33(321/322):16-20. Ref. Jan./Feb.1953. 44.8 L143

47214 JACQUET, J., and STEEG, L. Méthode microbiologique de diagnose et de titrage des antibiotiques présents dans le lait et les produits laitiers. Ann. des Falsif. et des Fraudes 46(529/530):5-14. Jan./Feb.1953. 389.8 An72

47215 JACQUET, J., and SAINGT, O. Les phosphomonoestérases du lait de vache. Soc. de Biol. Compt. Rend. 146:1515-1518. Oct.1952. 442.9 P21

47216 KARUNINA, L., and SHILOVICH, M. Testing the methods for rapid determining of protein quantity in milk. (In Russian.) Moloch. Promysh. 14(2):25-28. Feb. 1953. 44.8 M734

47217 KEENEY, M. Chromatographic determination of butyric acid and the detection of milk fat adulteration. Ice Cream Trade J. 49(2):30-31,34,36,106-108. Feb. 1953. 389.8 Ic2

47218 KEENEY, M. Detecting adulteration of dairy products. Ice Cream Field 61(3):32,34,37-38,84,86. Mar.1953. 389.8 Ic23

47219 KING, N. Neuere versuche über milchfettbestimmung mit hilfe von nichtätzenden reagenzien. Molk.-Ztg. 7:97-98,131-132. Ref. Jan.29-Feb.5,1953. 44.8 M735

47220 KODAMA, R. Studies on lactic acid bacteria. 3. Influence of lactolin on the production of alcohol by Saccharomyces saké Yabe. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:539-543. 1952. 385 Ag8
English summary.

47221 KOROSTINA, A., and RYNDINA, V. On determining the activity of food pepsin. (In Russian.) Mīasnaīa Indus. SSSR. 23(6):76-78. Nov./Dec.1952. 50.8 M58
Effects on milk.

47222 KOSIKOVSKY, V. Les agents du développement de l'arome du fromage au cours de la maturation et de la conservation. (Sum.) Lait 33(321/322):120-122. Jan./Feb.1953. 44.8 L143

47223 KOSOBRĪŪKHOV, A., KABYSH, A., and BUEVICH, E. On the high titratable acidity of fresh milk. (In Russian.) Moloch. Promysh. 13(11):39-40. Nov.1952. 44.8 M734

47224 KUGENEV, P. Calculating method for determining the content of protein substances in milk. (In Russian.) Moloch. Promysh. 13(11):45-46. Nov.1952. 44.8 M734

47225 LEMOIGNE, M., SANCHEZ, G., and GIRARD, H. Caractérisation de la pénicilline et de la streptomycine dans le lait. Lait 33(321/322):15-16. Jan./Feb. 1953. 44.8 L143

47226 MCDOWELL, A. K. R. The properties of New Zealand butters and butterfats. III. Seasonal variations in the nature of the unsaturated acids of butterfat as estimated by spectrophotometric methods. J. Dairy Res. 20:101-107. Ref. Feb.1953. 44.8 J823

47227 MACWALTER, R. J. The dairy laboratory. Soc. Dairy Technol. J. 6:30-36. Jan.1953. 44.8 So12
Includes discussion.

47228 MATTICK, A. T. R. Au sujet de la nisine. Tech. Lait. 9(121):15,18-21. (Cont.) Ref. Jan.15,1953. 44.8 Of2

47229 MECCA, F. Whale oil in butter manufacture. (In Italian.) Latte 27:23. Jan.1953. 44.8 L35

47230 MOCQUOT, G. Etude sur les laits à coagulation défectueuse. (Sum.) Lait 33(321/322):113-114. Jan./Feb.1953. 44.8 L143

47231 MULVANY, J. L. La cantidad de germenes indice de calidad de la leche. Chacra 23(267):24,59. Feb.1953. 9 C34

47232 NELSON, W. O. Nutritional factors influencing growth and lipase production by Geotrichum candidum. J. Dairy Sci. 36:143-151. Ref. Feb.1953. 44.8 J822

47233 NEW ZEALAND. DEPT. OF AGRICULTURE. Testing milk and cream for content of fat. New Zeal. Dept. Agr. B. 51,rev.,16 p. 1952. 23 N48Bu

47234 OVCHINNIKOV, A., and ALIAMOVSKII, I. Tartaric acid crystals in processed cheeses. (In Russian.) Moloch. Promysh. 13(10):21-22. Oct.1952. 44.8 M734

47235 OZIMOV, B., GUIGO, E., and ALIAMOVSKII, I. Accelerated method of moisture determination in processed cheese. (In Russian.) Moloch. Promysh. 13(12):37-38. Dec.1952. 44.8 M734

47236 PICKHAVER, G. S. Variations in butterfat tests of milk and cream. So. Austral. Dept. Agr. J. 56: 255-261. Jan.1953. 23 So84

47237 PIEN, J. La méthode Gerber permettant le dosage de la matière grasse du lait. Tech. Lait. 9(122): 8-13,29,31. Feb.1,1953. 44.8 Of2

47238 PISKAREV, A. Role of colloido-chemical phenomena in butter manufacture. (In Russian.) Moloch. Promysh. 13(10):32-36. Oct.1952. 44.8 M734

47239 POLIS, B. D., and SHMUKLER, H. W. Crystalline lactoperoxidase. J. Biol. Chem. 201:475-500 Mar.1953. 381 J824

47240 PONOMAREV, P. Change in milk composition during the pasture period. (In Russian.) Moloch. Promysh. 13(10):40-41. Oct.1952. 44.8 M734

47241 RANDOIN, L., and PERROTEAU, A. Détermination des teneurs en acide ascorbique de différents laits de consommation courante. Lait 33(321/322):1-6. Jan./Feb.1953. 44.8 L143

47242 REINBOLD, G. W., SWERN, M., and HUSSONG, R. V. A plating medium for the isolation and enumeration of enterococci. J. Dairy Sci. 36:1-6. Ref. Jan.1953. 44.8 J822

47243 RENKO, P. The problem of the addition and search of sesame oils in the fats other than butter and swine fat. (In Italian.) Mondo del Latte 12:711-712,715. Dec.1952. 44.8 M74
English summary.

47244 ROEDER, G. Über die auswertung der ergebnisse der reduktionsproben. II. Deut. Molk.-Ztg. 74:153-155. Feb.6,1953. 44.8 Su2
Milk.

47245 ROEDER, G. Über die verwendbarkeit der reduktaseprobe bzw. resazurinprobe im rahmen der qualitätsbezahlung. 2. Molk.-Ztg. 6:515-517. May 15, 1952. 44.8 M735

47246 RUIZ, A., and CRAVIOTO, R. O. Investigación preliminar sobre la composición de mantequillas Mexicanas. Ciencia 12:141-143. Ref. Oct.15,1952. 475 C48
English summary.

47247 SCHMIDT, H. Ein beitrag zur kenntnis der verteilung des fettes in der kuhmilch. (Extr.) Giessen, 1952. 23 p. 44 Sch4
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

47248 SCHULZ, M. E., and MROWETZ, G. Analytische bestimmung der käsetrockenmasse durch trocknung auf folien. Milchwissenschaft 8:93-95. Mar.1953. 44.8 M5933
English summary.

47249 SCHULZ, M. E., VOSS, E., and WARNECKE, E. Die technik der coli-aerogenes-probe nach Kessler und Swenarton für die "totale coli-kontrolle." Molk.- u. Käserei-Ztg. 4:4-7. Jan.8,1953. 44.8 M736

47250 SCOTT-BLAIR, S. Nouvelles méthodes d'étude et d'analyses des fromages: la rhéologie. (Sum.) Lait 33 (321/322):124-125. Jan./Feb.1953. 44.8 L143

47251 SHEBANIN, P. Study of gaseous phase of butter. (In Russian.) Moloch. Promysh. 13(11):35-38. Nov. 1952. 44.8 M734
Equipment.

47252 SISHNENKO, Z. Methods of determining the coli-titre of milk. (In Russian.) Moloch. Promysh. 14(2): 31. Feb.1953. 44.8 M734
Bacterium coli.

47253 SMITH, H. W. The demonstration of tubercle bacilli in milk. J. Path. & Bact. 65:67-77. Ref. Jan. 1953. 448.8 J82

47254 SMITH, J. Reviews of the progress of dairy science: Section F. Milk-borne diseases. J. Dairy Res. 20:115-126. Ref. Feb.1953. 44.8 J823

47255 SNIGUR, M. Refractometric method of determining the sugar content in ice cream. (In Russian.) Moloch. Promysh. 14:23-25. Jan.1953. 44.8 M734

47256 WILDASIN, H. L., ANDERSON, E. O., and WATTS, D. E. A modification of the Babcock test employing a quaternary ammonium compound. J. Dairy Sci. 36: 87-92. Feb.1953. 44.8 J822

47257 WILLARD, H. S., and GILBERT, C. S. Influence of dairy equipment on copper content and intensity of oxidized flavor in milk, cream and skimmilk. Milk Dealer 42(6):46,66-67. Mar.1953. 44.8 M595

47258 WILLEMS, A. E. R., SCHOUBROEK, F. VAN, and QUIDT, G. DE. Investigation of the correlation between fat content and protein content in milk from Red Pied Flemish cows. (In Flemish.) Vlaams Diergeneesk. Tijdschr. 22:1-7. Jan.1953. 41.8 V84
English summary.

47259 WUSTENBERG, J., and MENKE, F. Über das membranfilterverfahren und seine anwendung als ergänzende hygienische untersuchungsmethode zur bestimmung des coli-titers in der milch. Milchwissenschaft 8:44-48. Feb.1953. 44.8 M5933
English summary.

Consumption and Utilization

47260 BERNIER, G. La consommation des "liqueurs douces" et du lait chez les écoliers de Montréal. Québec Lait. 12:25. Jan.1953. 44.8 Q3

47261 COLES, J. V. Consumption of dairy products. Calif. Agr. [Calif. Sta.] 7(2):11-12. Feb.1953. 100 C12Cag

47262 GENIN, G. L'utilisation des sous produits de l'industrie laitière. Lait 33(321/322):95-103. Jan./Feb. 1953. 44.8 L143

47263 LOMUNOV, A. Rational utilization of buttermilk. (In Russian.) Moloch. Promysh. 13(12):23-24. Dec. 1952. 44.8 M734

47264 PAUL, P. C., and ALDRICH, P. J. Nonfat dry milk solids in food preparation. Amer. Dietet. Assoc. J. 29:234-238. Ref. Mar.1953. 389.8 Am34

47265 SANNIO, G. The production of sheep's milk and its use in various types of Sardinian cheeses. (In Italian.) Latte 27:31,34. Jan.1953. 44.8 L35

47266 WOODBURN, W. B. How dairy foods are used shown in California study. Amer. Milk Rev. 15(2):68, 110. Feb.1953. 44.8 Am38

Distribution, Marketing, and Transportation

47267 ANDERSON, A. G. Allocation of ice cream distribution costs to customers. Canad. Dairy & Ice Cream J. 32(2):44,46,48,56-57. Feb.1953. 44.8 C162

47268 BRIDGES, B. L. Building demand for milk. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:6-8. 1952. 44.9 V593

47269 CAMPBELL, F. H. Expansion in West Coast dairy foods markets reported. Dairy Foods Rev. 58(2): 33. Feb.1953. 286.85 P11

47270 COLES, J. V. How families buy dairy products. IV. Retail sources supplied dairy products to a larger proportion of families studied than did delivery service. Calif. Agr. [Calif. Sta.] 7:13-14. Jan.1953. 100 C12Cag

47271 DAIRYMEN'S CO-OPERATIVE SALES ASSOCIATION. Complete summary of sales and other statistical data No. 19, year, 1952. n.p.,1952. 16 p. 280.2449 D14

47272 ESCHE, E. Die milchwirtschaftlichen und technischen probleme der frischmilchversorgung. Agrarwirtschaft 2:46-52. Feb.1953. 281.8 Ag826
Germany.

47273 GFRERER, H. Zur lage am milchmarkt. Salzburger Bauer 8(3):1. Jan.15,1953. 19 Sa3

47274 GT. BRIT. MILK MARKETING BOARD. PRODUCTION DIV. Report, No. 3. Thames Ditton,1952. 100 p. 44.9 G793

47275 HEIGRE, M., and SYRRIST, G. Variations in amount of milk delivered to Norwegian dairies. (In Norwegian.) Meieriposten 42:81-85,104-109. (Cont.) Jan.31-Feb.7,1953. 44.8 M47

47276 HEIGRE, M., and SYRRIST, G. Variations in the amount of milk delivered to Norwegian dairies. (In Norwegian.) Meieriposten 42:124-126. (Cont.) Feb.14, 1953. 44.8 M47

47277 HIRSCH, D. E. Measuring the effectiveness of milk bargaining co-operatives. Milk Dealer 42(6):47-48. Mar.1953. 44.8 M595

47278 HIRSCH, D. E. Record needs of dairy co-ops. News Farmer Coop. 19(12):11. Mar.1953. 166.2 N47

47279 HURST, F. J. New co-op routing milk marketing problem. News Farmer Coop. 19(11):3. Feb.1953. 166.2 N47
East Central Dairies, Newton, Miss.

47280 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. Sales index,ice cream and related products. January 1st through December 31st 1951. Washington,D.C.,1952. 71 p. (Spec.B.82) 389.9 In834I

47281 KALIMUTHU, K. Milk co-operatives and State hospital supplies. Madras J. Co-op. 44:321-322. Dec. 1952. 280.28 M26

47282 KLEIMAN, G. C. Dairy marketing facts: St. Louis area. Ill. Agr. Col. Ext. AE2851,8 p. Jan.1952. 275.29 IL62P

47283 LEONIDAS, V. R. DE P. Resolving the problem of city milk supply. (In Portuguese.) Frutas de Madeira 12:285-286,289. Dec.1952. 286.83 F9422

47284 LEVIN, N. From the method of surpassing the plan in procurement of milk. (In Russian.) Moloch. Promysh. 13(12):11-12. Dec.1952. 44.8 M734

47285 MCMILLAN, G. Our biggest problem. (Extr.) Holstein-Friesian J. 15(11):60-61. Feb.1953. 43.8 H743
Competition offered by substitutes for dairy products in Canada.

47286 MANITOBA. MILK CONTROL BOARD. Annual report 1952. Winnipeg,1952. 10 p. 280.3449 M31

47287 MARYLAND COOPERATIVE MILK PRODUCERS. Seventeenth annual meeting. Baltimore,1952. 12 p. 280.2449 M362

47288 METZDORF, H. J. Wie steht es um den trinkmilchabsatz? Landbforsch. Völkenrode 2:91-93. Oct. 1952. 18 L2353

47289 MEYERHOLZ, H. Die organisation der genossenschaftlichen milchverwertung in Friesland. Raiffeisen-Rundschau 5:31-32. Feb.1953. 284.28 R132

47290 MYRICK, N. Milk vending machines in apartment houses. Amer. Milk Rev. 15(3):62-63,89. Mar. 1953. 44.8 Am38

47291 MYRICK, N. They're selling milk to farmers. Amer. Milk Rev. 15(2):34-36,38. Feb.1953. 44.8 Am38

47292 NATIONAL MILK PRODUCERS FEDERATION. Activities, 1952. Natl. Milk Prod. Fed. Educ. Ser. 45, 37 p. 1952. 281.3449 N21

47293 OESTREICHER, K. Einrichtung und betrieb einer milchbar. Molk.-Ztg. 6:518. May 15,1952. 44.8 M735

47294 PAUL, W. What are we selling? South. Dairy Prod. J. 53(3):118-121,125-127. Mar.1953. 44.8 So83
Ice cream.

47295 PEUKERT, G. Die probleme der milchwirtschaftlichen versorgung Berlins. Molk.- u. Käserei-Ztg. 4:104-105. Jan.29,1953. 44.8 M736

47296 PEUKERT, G. Die versorgung Berlins mit milch und milcherzeugnissen. Molk.-Ztg. 7:129-130. Feb.5,1953. 44.8 M735

47297 PREVOST, M. La Conaprole de Montevideo (Uruguay). Indus. Lait. (n.s.)77:31-36. Feb.1953. 44.8 In2
Cooperativa Nacional de Productores de Leche.

47298 SALA ROCA, E. El abastecimiento de las ciudades populosas. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:220-221. Sept.1952. 15 C14
Milk.

47299 SASKATCHEWAN. MILK CONTROL BOARD. Annual report 1952. Regina,1953. 12 p. 280.3449 Sa7

47300 SCHOLZ, O. Mehr milch durch die konsumgenossenschaften. Verbraucher 7:68-69. Feb.7,1953. 280.28 K833
Germany.

47301 STOCKER, N. The trend in action; Maryland and Virginia adopt bulk pickup. Calif. Dairyman 33(2):14-15,18,21. Feb.21,1953. 44.8 C12

47302 TIEDEMAN, E. W. What to do with butterfat. Nation's Agr. 28(3):18-20. Mar.1953. 280.82 B89

47303 U. S. PRODUCTION AND MARKETING ADMIN. Purchases and dispositions of dairy products by U. S. Department of Agriculture calendar year 1952 and summary of purchases and sales of dairy products acquired under price support programs January 1949-December 1952. Washington,1953. 10 p. 1.956 A2P973

47304 VOPELIUS, O. Der Zentralverband macht bilanz. Deut. Milchhandels-Ztg. 75:3-4. Jan.6,1953. 44.8 D48
Zentralverband des Deutschen Milchhandels.

47305 WEAVER, E. Bulk-tank farm pickup of milk. Mich. Milk Messenger 35(11):3,7. Mar.1953. 44.8 M582

47306 WENTWORTH, W. A. Do vegetable fat frozen desserts have any effect on ice cream sales? Ice Cream Trade J. 49(2):42,111. Feb.1953. 389.8 Ic2

47307 WEWERS, E. Kommentar zum gesetz über den verkehr mit milch, milcherzeugnissen und fetten: milch- und fettgesetz. Zentverband. Deut. Molkfachleute. u. Milchwirt. Schrreihe. 8,36 p. 1953. 44.9 Z4

Grading, Inspection, Standardization, and Quality

47308 BEAU, M. Le Gruyère et l'Emmenthal. Indus. Lait. (n.s.)77:41-42. Feb.1953. 44.8 In2
Standards.

47309 BOLLIGER, O. L'influence du fourrage ensilé sur la qualité du lait de fromagerie. (Sum.) Lait 33 321/322):114-115. Jan./Feb.1953. 44.8 L143

47310 CHARRO ARIAS, L., and FERNANDEZ MIGUEL, H. Anteproyecto para la reglamentación de la elaboración y venta de helados. An. de Bromatologia 4:313-320. 1952. 389.8 An1
English summary.

47311 CROWE, L. K. Some troublesome flavours in market milk. Dairyman & Dairy Engin. 70:133,137,139, 141. Mar.1953. 44.8 D1426

47312 EVENHUIS, N. Oxidation defects in dairy products. I. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:118-119. Feb.25,1953. 44.9 AL3

47313 EVENHUIS, N. Oxidation defects in dairy products. II. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:133-134. Mar.4,1953. 44.9 AL3

47314 FENGER, P. Is the renommé of our butter in danger? (In Danish.) Dansk Landbr. 72:99-100. Feb.19, 1953. 280.28 V91

47315 FERREIRA, T. Problems of sanitary inspection of milk in the interior. (In Portuguese.) B. do Leite (ser.4)6(66):1,3,5-6. Dec.1952. 44.8 B633
Brazil.

47316 FORSTER, T. L., JENSEN, C., and PLATH, E. Influence of protein hydrolysis on the susceptibility of milk to oxidized flavor development. J. Dairy Sci. 36:98-102. Ref. Feb.1953. 44.8 J822

47317 GABEL, W. Speiseeis im spiegel ausländischer gesetzgebung. I. USA und England. Zucker- u. Süsswaren-Wirt. 6:53-54. Jan.20,1953. 286.86 Z8

47318 GREGORY, H. W. The importance of quality and confidence in ice cream. South. Dairy Prod. J. 53(3): 152,154-157. Mar.1953. 44.8 So83

47319 HAHN, R. Die lebensmittel-gesetzgebung auf dem gebiet der nahrungsfette. IX. Anderungen und ergänzungen des gesetzes über den verkehr mit milch, milcherzeugnissen und fetten; neufassung des gesetzes. Fette u. Seifen 55:72-75. Jan.1953. 384 C422
Germany.

47320 HERZFELD, H. Qualitätsförderung der berliner milchwirtschaft. Molk.- u. Käserei-Ztg. 4:106-107. Jan.29,1953. 44.8 M736

47321 KOBRO, J. Milk quality once more. (In Norwegian.) Meieriposten 42:65-66. Jan.24,1953. 448.8 M47

47322 KULESHOVA, M. Defects of processed cheese and their correction. (In Russian.) Moloch. Promysh. 14(2):20-24. Feb.1953. 44.8 M734

47323 KUNERT, P. Fragen um die beschaffenheit von kühlhausbutter. Deut. Molk.-Ztg. 74:274. Feb.27, 1953. 44.8 Su2

47324 LUCAS, P. S., and WILKOWSKE, R. Miscellaneous factors which may affect quality in ice cream. Mich. Agr. Expt. Sta. Q. B. 35:317-323. Feb.1953. 100 M58S

47325 MARKOVA, K., and POPOV, B. Work in the raw material area. (In Russian.) Moloch. Promysh. 13 (11):41-42. Nov.1952. 44.8 M734
Measures for improvement of quality of milk.

47326 MASOERO, P. Definition and qualifications for pasteurized and irradiated milk. (In Italian.) Latte 27: 17-20. Jan.1953. 44.8 L35
Italy.

47327 MAYER, T. Zum vollzug des§8 Milch- und Fettgesetz. Deut. Molk.-Ztg. 74:128. Jan.30,1953. 44.8 Su2

47328 MEISER, J. A., and SEIFERT, D. A. Effect of moisture-loss upon the body, flavor and texture of packaged ice cream. Ice Cream Rev. 36(8):47,116,118,120-121. Mar.1953. 389.8 Ic22

47329 MULDER, H. Substancias que dan sabor y aroma a los quesos. Indus. Lech. 34:645-651. (Cont.) Dec.1952. 44.8 In26

47330 OLDENBURG. Qualitätsforderungen an die trinkmilch. Molk.-Ztg. 6:511-512. May 15,1952. 44.8 M735
Germany.

47331 OTTESEN, R. Official regulations and activities, etc., in the dairy industry in U.S.A. (In Norwegian.) Meieriposten 42:85-89,100-104. (Cont.) Jan.31-Feb.7, 1953. 44.8 M47

47332 PETERSEN, N. Käse-rindenfehler—ihre verhütung und bekämpfung. Molk.-Ztg. 7:193-194. Feb.19, 1953. 44.8 M735

47333 PLOCK, and HANSEN. Nur qualitätsmilch zur molkerei. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. [Veröffentl.] 49,15 p. Oct.1952. 18 G312V

47334 ROSE, D., and MCDONALD, I. J. Keeping quality of unfrozen concentrated milk. Canad. Dairy & Ice Cream J. 32(2):38,68. Feb.1953. 44.8 C162

47335 SERGEEV, V., ZHUKOVSKAIA, G., and PAL'GOVA, M. Keeping quality of packaged butter during storage. (In Russian.) Moloch. Promysh. 13(11):12-13. Nov.1952. 44.8 M734

47336 SPEINLE, X. Selbstverantwortung—oder polizeiliche massnahmen! Allgäuer Bauernbl. 21:114-115. Feb.19,1953. 18 AL53
Milk inspection.

47337 STALBIRD, J. A. Dating—anachronism or safeguard? Amer. Milk Rev. 15(2):56,58,60. Feb.1953. 44.8 Am38

47338 THIEULIN, G. Le lait sujet d'actualités. Encyc. Vét. Période. 7/8:205-209. 1952,pub.Jan./Feb.1953. 41.8 En1
Regulation of pasteurized milk in France, and cattle lactation.

47339 U. S. BUR. OF DAIRY INDUSTRY. Federal and State standards for the composition of milk products. U. S. D. A. Agr. Handb. 51,8 p. Jan.1953. 1 Ag84Ah

47340 VLEESCHAUWER, A. DE, and NAUDTS, M. The relation between bacteriological tests and the keeping quality of pasteurized milk. (In Dutch.) Gent. Landbhogesch. Meded. 17:538-553. Sept.1952. 105.1 G344
English summary.

47341 WAUSCHKUHN, B. Auswirkungen eines schlechten molkenablaufs beim Camembert. Molk.- u. Käserei-Ztg. 4:109-110. Jan.29,1953. 44.8 M736

47342 YOUNG, S. Stringent controls ensure high quality of Dutch foods; butter, cheese, meat, are subject to constant examination. Food Canada 13(2):28,30,33. Feb.1953. 389.8 F7323

47343 ZAIKOVSKII, I.A., KOROBOVA, N., and RIABUSHKO, L. Induction period as an indicator of the keeping quality of butter. (In Russian.) Moloch. Promysh. 14 (2):29-30. Feb.1953. 44.8 M734
Fat oxidation time.

Packing and Packaging

47344 CANADA. MARKETING SERV. DAIRY PRODUCTS DIV. Installing waxing tanks and paraffining Cheddar cheese at the factory. Ottawa,1952. 3 p. 44 C1672

47345 DEGTIAREV, F. To increase the output of butter in small packages. (In Russian.) Moloch. Promysh. 13(10):26-27. Oct.1952. 44.8 M734

47346 ESCHE, and others. Aluverschluss oder pappscheibenverschluss? Molk.- u. Käserei-Ztg. 4:111-112. Jan.29,1953. 44.8 M736

47347 GOSLEE, H. C. Will bulk tank farm pick up eliminate the 40 quart can? Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:22-23. 1952. 44.9 V593

47348 HALL, C. W. Weigh can selection for the dairy plant. Mich. Agr. Expt. Sta. Q. B. 35:310-316. Feb.1953. 100 M58S

47349 PAESSENS. Verpackung von quark. Molk.- u. Käserei-Ztg. 4:152-153. Feb.5,1953. 44.8 M736

47350 ROGICK, F. A. Treatment of cans used for the handling and transportation of milk. (In Portuguese.) São Paulo. Dir. de Publicidade Agr. B. de Agr. 51:473-482. 1950,pub.1952. 9.2 Sa63

47351 SCHROEDER, P. H. Verpackung von fassbutter in aluminium-folie. Deut. Molk.-Ztg. 74:125-128. Jan.30, 1953. 44.8 Su2

47352 SCHULZ, M. E., and others. Verpackung und reifung von Edamer käse. Milchwissenschaft 8:82-87. (Concl.) Mar.1953. 44.8 M5933
G. Sydow, H. Siegfried, U. Kock, and H. Pohse, joint authors.
English summary.

47353 SCHULZ, M. E., and others. Verpackungsmittel insbesondere plasticfolien für die reifung von Edamer-käse in der verpackung. 2. Milchwissenschaft 8:52-57. Feb.1953. 44.8 M5933
G. Sydow, H. Siegfried, U. Kock, and H. Pohse, joint authors.

Prices, Price Control, and Rationing

47354 ADAMS, T. M. Pricing fluid milk. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:8-10. 1952. 44.9 V593

47355 BOCKLEIN, H. Der runkfunk und der butterpreis. Landwirt. Wchnbl. 143:317. Mar.14,1953. 18 L2338
Germany.

47356 BREDO, W., and ROJKO, A. S. Prices and milksheds of Northeastern markets. Mass. Agr. Expt. Sta. B. 470,103 p. Ref. Aug.1952. 100 M38H

47357 FOG-PETERSEN, V. Does reduction of production lead to higher prices. (In Danish.) Dansk Landbr. 72 109-110. Feb.26,1953. 280.28 V91
Of butter and meat.

47358 GRUTZ, P. Die abrechnung der anlieferungsmilch und ihre beziehungen zur verrechnung der rücklieferungen. Molk.-Ztg. 7:41-42. Jan.8,1953. 44.8 M735
Germany.

47359 HAFFERT, W. A. S.N.F.: these initials (solids-not-fat) may stand between you and a lost market. N. J. Farm & Gard. 24(3):30,91-92. Mar.1953. 6 G162
Pricing on the amount of S.N.F. in milk testing.

47360 MAUM, E. Price war hits Memphis market Amer. Milk Rev. 15(3):24,26,84. Mar.1953. 44.8 Am38

47361 PRITCHARD, N. T. Fall premium milk pricing plans. U. S. Farm Credit Admin. C. C-147,39 p. Ref. Sept.1952. 166.2 C4923

47362 PRITCHARD, N. T. Pricing milk with fall premium plans. News Farmer Coop. 19(11):11-12. Feb. 1953. 166.2 N47

47363 SCHLENKER, A. A., and PARKER, E. J. Margins of fluid milk in the Duluth-Superior marketing area, 1947-48. U. S. D. A. Mktg. Res. Rpt. 32,55 p. Jan. 1953. 1 Ag84Mr

47364 U. S. PRODUCTION AND MARKETING ADMIN. DAIRY BR. Compilation of statistical material concerning the proposed marketing agreement and order for the central Arkansas, marketing area. Washington,1952. 26 p. 1.956 D14C7325
Chiefly prices of dairy products and other farm products.

47365 URNER, G. Northeastern cream markets take a shellacking. Amer. Milk Rev. 15(3):30,32,85. Mar. 1953. 44.8 Am38

47366 URNER, G. USDA dairy price supports held at 90 % of parity. Amer. Dairy Prod. Rev. 15(3):2-3. Mar.1953. 44.8 Am37

47367 WITTERN. Der milchpreis im ländervergleich. Deut. Landwirt.-Gesell. Mitt. 68:73-74. Jan.22,1953. 18 N39

Processing and Storage

47368 ADAMSON, L. F. Removal of thiamin and riboflavin from milk for dietary use. Science 117:253. Mar.6,1953. 470 Sci2

47369 ALBUQUERQUE, H. The 10 stages in butter manufacture. (In Portuguese.) Granja [Porto Alegre] 9 (67):48-49. Oct.1952. 9.2 G76

47370 ALTENRIED, K. Gedanken zum nachwuchsmangel in der Emmentalerkäserei. Deut. Molk.-Ztg. 74 (9):inside front cover. Feb.27,1953. 44.8 Su2

47371 ANDREWS, H. C., and ANDREWS, H. L. The dairy business needs research and legislative assistance. Butter, Cheese & Milk Prod. J. 44(3):30-31. Mar.1953. 286.85 B98Bu

47372 AREF'EVA, M., and GOLOVKIN, N. On butter losses during long storage. (In Russian.) Moloch. Promysh. 13(11):23-26. Nov.1952. 44.8 M734

47373 BAUER, H. Künstliche kälte in milchwirtschaftlichen betrieben. Kälte 5:338-343. Dec.1952. 295.8 K122

47374 BAUSTIAN, H. Die sorgfältige behandlung des rahmweges. Deut. Molk.-Ztg. 74:98-100. Jan.23, 1953. 44.8 Su2

47375 BERARD, A. La stérilisation du lait. Tech. Lait 9(121):8-9,11. Jan.1953. 44.8 Of2

47376 BOGDANOV, V. Preparation of liquid starters for butter. (In Russian.) Moloch. Promysh. 14(2):37-40. Feb.1953. 44.8 M734

47377 BOLDYREVA, L. Skillful organization of production [at Surazh butter and cheese factory]. (In Russian.) Moloch. Promysh. 13(10):17-19. Oct.1952. 44.8 M734

47378 BOUTON, L. Betriebswirtschaftliche forschung und praxis und betriebswissenschaft in milchwirtschaftlicher sicht. Molk.-Ztg. 7:44. Jan.8,1953. 44.8 M735
Germany.

47379 BURG, B. VAN DER, and HEPKEMA, S. De kaasbereiding in de fabriek [Manufacture of cheese in factories]. Ed. 5. s'Gravenhage,1952. 246 p. (Nederlandse Zuivelbond. Zuivelbereiding, v. 4) 44 B912Z

47380 CONNER, M. C. The effects of certain factors on costs in the dairy plant. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:13-15. 1952. 44.9 V593

47381 CRISMAN, D. W. Cultured buttermilk and starters. Milk Dealer 42(6):68,70,72-74. Mar.1953. 44.8 M595

47382 CROWLEY, E. W. Water cooling of farm milk in Victoria. Milk Bd. J. 3(12):18-19. Dec.1952. 44.8 M5934

47383 DE, S., and RAY, S. C. Studies on the indigenous method of khoa-making. I. The influence of the conditions of dehydration and the type of milk on the production of khoa. Indian J. Dairy Sci. 5:147-165. Sept. 1952. 44.8 In28

47384 DEANE, D. D., and others. Streptococcus thermophilus bacteriophage from Swiss cheese whey. J. Dairy Sci. 36:185-191. Feb.1953. 44.8 J822
F. E. Nelson, F. C. Ryser, and P. H. Carr, joint authors.

47385 DELATTRE, M. Les matieres plastiques au service de l'industrie: l'utilisation des tuyaux semi-rigides pour le transport de l'eau et du lait. Tech. Lait. 9 (123):25-27. Feb.15,1953. 44.8 Of2

47386 DOLZHANOV, P. Mechanization of enterprises of the city milk plants. (In Russian.) Moloch. Promysh. 13(12):22-23. Dec.1952. 44.8 M734

47387 DRINCOURT, J. Que doivent penser les frigoristes de la fabrication du beurre en continu. Rev. Prat. du Froid 8(5):22-24. Feb.1953. 295.8 R323

47388 ESCHMANN, W., and DREESEN, E. Eine moderne kesselanlage. Molk.- u. Käserei-Ztg. 4:45-46. Jan.15,1953. 44.8 M736

47389 EVAPORATED MILK ASSOCIATION AND INDUSTRY. 1952 annual report. n.p.,1952. 29 p. 44.9 Ev1A

47390 EVENHUIS, N. Diacetyl formation in starters. II. Nederlands Melk- en Zuiveltijdschr. 6:331-341. Oct./Dec.1952. 44.8 N283

47391 FARRALL, A. W. Dairy engineering. Ed. 2. New York,Wiley,1953. 477 p. 44 F242

47392 GARBEN, R. Die milchkammer. Hannoversche Land- u. Forstwirt. Ztg. 106:29-30. (Cont.) Jan.10, 1953. 18 H194
Milk care and handling.

47393 GARBEN, R. Wie baue ich ein kühlbecken? Milcherzeugung 27:3. Feb.1953. 44.8 M5936
For cooling milk.

47394 GEBHARDT, H. Die bereitung von joghurt in der Türkei. Molk.- u. Käserei-Ztg. 4:223-224. Feb.19, 1953. 44.8 M736

47395 GEBHARDT, H. Rahmentgasung. Deut. Molk.-Ztg. 74:275. Feb.27,1953. 44.8 Su2

47396 GEHUCHTE, E. VAN DE. A propos de bactériophages. Belg. Lait 7(29):11-13. Jan.1953. 44.8 B412

47397 GISH, N. R. Barns don't make good milk. Hoard's Dairyman 98:178. Feb.25,1953. 44.8 H65
Sanitation in handling milk.

47398 GROSJEAN, A. Le froid doit compléter la récolte parfaite du lait. Sillon Belge 23(544):1-2. Jan. 24,1953. 13 Si3

47399 GROSJEAN, A. Le problème du lait de consommation. III. L'aménagement des locaux. Sillon Belge 23 (542):1,3. Jan.10,1953. 13 Si3

47400 GUÐMUNDSSON, K. Instructions for the care of milk. (In Icelandic.) Freyr 48:9-12. Jan.1953. 11 F89
Sanitation.

47401 GUNDLACH, G. P., and ESMOND, C. W. How to cut costs. Ice Cream Field 61(3):30,67. Mar.1953. 389.8 Ic23

47402 HIGGINBOTTOM, C. The effect of storage at different relative humidities on the survival of micro-organisms in milk powder and in pure cultures dried in milk. J. Dairy Res. 20:65-75. Feb.1953. 44.8 J823

47403 HODES, H. P. Clean-in-place pipelines. Ice Cream Rev. 36(8):48-49,78-80,82. Mar.1953. 389.8 Ic22

47404 HODES, H. P. Clean-in-place pipelines. Milk Dealer 42(5):44-45,74,76-78. Feb.1953. 44.8 M595

47405 HOLMES, A. D. Value of nitrogen for stabilizing reduced ascorbic acid in milk. Food Technol. 7:136-137. Mar.1953. 389.8 F7398

47406 HOLST-STADE. Ist es wirklich so schwer, einwandfreie milch zu liefern? Unser Milchvieh 5(2):1. Feb.1953. 43.8 Un7

47407 HUCKSTADT, J. Die qualitätseinbusse von milchpulver bei der lagerung und ihre verhütung. Molk.-Ztg. 7:49. Jan.8,1953. 44.8 M735

47408 [A]KHONTOV, P. Improving the consistency of large cheese. (In Russian.) Moloch. Promysh. 13(11):32-33. Nov.1952. 44.8 M734

47409 IYA, K. K., and LAXMINARAYANA, H. Making good dahi. Indian Farming (n.s.)2(11):18-19. Feb.1953. 22 In2[illegible]

47410 JENSEN, J. Die herstellung von ungewaschener sauerrahmbutter in Dänemark. Deut. Molk.-Ztg. 74(6): inside front cover. Feb.6,1953. 44.8 Su2

47411 JUDKINS, H. F. What is the dairy industry's responsibility to our universities. Butter, Cheese & Milk Prod. J. 44(3):35-36,38-42. Mar.1953. 286.85 B98Bu

47412 JUDKINS, H. F. What is the dairy industry's responsibility to our universities? Milk Dealer 42(5): 49-50,54,56-60. Feb.1953. 44.8 M595

47413 KARGER, [A]. Sterilization equipment of continuous action [in milk canning]. (In Russian.) Moloch. Promysh. 13(10):23-26. Oct.1952. 44.8 M734

47414 KAZANSKII, M. On the essence and mechanism of the process. (In Russian.) Moloch. Promysh. 14:19-21. Jan.1953. 44.8 M734
Butter manufacture.

47415 KHAN, KH. Factories of dried milk. (In Russian.) Moloch. Promysh. 14:10-14. Jan.1953. 44.8 M734

47416 KLESMET, E. Milk pasteurization at increased temperature. (In Russian.) Moloch. Promysh. 13(10):42-43. Oct.1952. 44.8 M734

47417 KOESTLER, G. Greyerzer- und Emmentalerkäse (ein wissenschaftlicher vergleich). Schweiz. Milchztg. 79:81-82. Feb.13,1953. 44.8 Sch92
Manufacture and composition.

47418 KOHN, A. Ultraviolett-luftentkeimung in einem milchkühler-raum. Milchwissenschaft 8:90-92. Mar.1953. 44.8 M5933
English summary.

47419 KOOY, J. S., and PETTE, J. W. The inhibition of butyric acid fermentation in cheese by using antibiotic producing streptococci as starter. (In Dutch.) Nederlands Melk- en Zuiveltijdschr. 6:317-322. Oct./Dec. 1952. 44.8 N283
English summary.

47420 KOOY, J. S., and PETTE, J. W. Inhibition of the growth of lactate-fermenting butyric acid bacteria by antibiotics from lactic acid streptococci. (In Dutch.) Nederlands Melk- en Zuivelt1jdschr. 6:302-316. Ref. Oct./Dec.1952. 44.8 N283
English summary.

47421 KOOY, J. S. Strains of I actobacillus plantarum which inhibit the activity of the antibiotics produced by Streptococcus lactis. (In Dutch.) Nederlands Melk- en Zuivelt1jdschr. 6:323-330. Oct./Dec.1952. 44.8 N283
English summary.

47422 KOROLEV, A. Preparation and calculation of pepsin solution [in cheese manufacture]. (In Russian.) Moloch. Promysh. 13(12):25-26. Dec.1952. 44.8 M734

47423 KOSTYGOV, V. Prospects of technical rigging out of the dairy industry. (In Russian.) Moloch. Promysh 14:1-9. Jan.1953. 44.8 M734

47424 KOVAL'CHUK, P. On regulating the water content in butter. (In Russian.) Moloch. Promysh. 14(2): 32-33. Feb.1953. 44.8 M734

47425 KOWALSKA, L. How to make and use sour milk. Veg. News 32(279):17-18,21. Spring 1953. 389.8 V523

47426 KUK, G., and SHUVALOV, V. Technical equipment of [dairy industry] and problems of scientific-research institutions. (In Russian.) Moloch. Promysh. 13 (11):7-8. Nov.1952. 44.8 M734

47427 LAGONI, H. Grundsätze für die prüfung von desinfektionsmitteln der milchwirtschaft. Molk.- u. Käserei-Ztg. 4:44-45. Jan.15,1953. 44.8 M736

47428 LEACH, H. S. Good fruit ice cream. Ice Cream Field 61(3):20,24,26,29,78,80,82. Mar.1953. 389.8 Ic23

47429 LOO, C. C., and CARLETON, W. M. Further studies of cavitation in the homogenization of milk products. J. Dairy Sci. 36:64-75. Ref. Jan.1953. 44.8 J822

47430 MALUSHKO, V. Determining the readiness of rennet in cheese manufacture. (In Russian.) Moloch. Promysh. 13(11):27-32. Nov.1952. 44.8 M734

47431 MARCHAND. L'assainissement des bâtiments de laiteries, fromagerie, porcherie, caves à fromages. Indus. Lait. (n.s.)77:29-30. Feb.1953. 44.8 In2

47432 MARTINEZ ORTIZ, F. Pasterización de la leche. Balearic Isl. Diputación Prov. B. de Agr. 99:5-6. Dec.1952. 15 B19

47433 MATTICK, A. Les organismes inhibiteurs. (Sum.) Lait 33(321/322):115-116. Jan./Feb.1953. 44.8 L143
In cheese manufacture.

47434 MEIER, L., and SEELMANN, H. Die zweckmässige elektrische ausrüstung moderner molkereibetriebe: ein beispiel aus der molkerei trier. Deut. Molk.-Ztg. 74:129-131. Jan.30,1953. 44.8 Su2

47435 MIKLIK. Neues milchkühlgerät für den milchproduzenten. Osterr. Milchwirt. 8:48-49. Feb.21,1953. 44.8 Os72

47436 MITTEN, H. L., and ROAHEN, D. C. Integration of homogenizers and clarifiers into HTST systems. Milk Dealer 42(6):42-43,116-117. Mar.1953. 44.8 M595

47437 MOCQUOT, G., and BEJAMBES, M. Recherches laitières récentes en Espagne, France, Italie, Portugal: 1948—1952. Commonwealth Bur. Dairy Sci. Dairy Sci. Abs. 15:82-103. Ref. Feb.1953. 241 Im76

47438 MOGENSEN, S. Préparation de la présure et son influence sur certains constituants du lait. (Sum.) Lait 33(321/322):118-119. Jan./Feb.1953. 44.8 L143
For cheese manufacture.

47439 MOHR, W. Fragen der reinigung in der milchwirtschaft. Fette u. Seifen 55:34-40. Jan.1953. 384 C422

47440 MOLANO CAMPUZANO, J. Un símbolo de la democracia: leche sana e higiénica. Agr. Trop. 9:47-50. Jan.1953. 26 Ag8

47441 MOORE, R. F., JENSEN, C. U., and GIBSON, D. L. Reconstitution of dry milk. Irish Agr. & Creamery Rev. (n.s.)18(230):12-13. Feb.1953. 44.8 C866

47442 MORTON, G E. Bulk handling trend works out excellently in milk. Calif. Dairyman 33(2):13,19-20, 22. Feb.21,1953. 44.8 C12

47443 NAMBUDRIPAD, V. K. N., LAXMINARAYANA, H., and IYA, K. K. Bactericidal efficiency of hydrogen peroxide. III. Use of hydrogen peroxide for preservation of milk. Indian J. Dairy Sci. 5:135-146. Ref. Sept.1952. 44.8 In28

47444 NELSON, D. H. Producing quality cream. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:11-12. 1952. 44.9 V593

47445 NIKOLAEV, A. Salting and ripening of cheese. (In Russian.) Moloch. Promysh. 13(10):8-13. Oct.1952. 44.8 M734

47446 OTTESEN, R. Utilization of whey proteins through enzymatic hydrolysis. (In Norwegian.) Meieriposten 42:63-65. Jan.24,1953. 44.8 M47

47447 PEJIC, O. M. Beitrag zur kenntnis der herstellung des Katschkavaljkäses. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:187-198. 1952. 106.6 B41
German summary.

47448 PFEFFER, J. C. New developments in ice cream hardening. (Sum.) Dairy Foods Rev. 58(3):22. Mar.1953. 286.85 P11

47449 PRINT butter directly from churn to: save butter, reduce cooler space and refrigeration, eliminate double handling, cut labor requirements. Cherry-Burrell Circle 38:20-22. Jan./Feb.1953. 44.8 C42

47450 PROZOROVSKII, V. A cheese vat with a 1000 liter capacity and a mechanical mixer. (In Russian.) Moloch. Promysh. 13(11):20-22. Nov.1952. 44.8 M734

47451 QUACKENBUSH, G. G. Dairy plant diversification in Michigan. Mich. Agr. Expt. Sta. Spec. B. 384,22 p. Nov.1952. 100 M58S

47452 RAADSVELD, C. W. Ripening phenomena in cheeses of the Edam type with different water contents and different salt concentrations. Nederlands Melk- en Zuivelt1jdschr. 6:342-355. Oct./Dec.1952. 44.8 N283

47453 RABINOVICH, Z. Utilization of water at the enterprises of the dairy industry. (In Russian.) Moloch. Promysh. 13(12):6-10. Dec.1952. 44.8 M734

47454 SANTOS, E. Sanitation and milk production. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6(54):15. Jan.1953. 44.8 B634
Brazil.

47455 SARTAIN, G. E. Bulk-milk cooling, storage and hauling from farm to city plant. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:17. 1952. 44.9 V593

47456 SCHULZ, M. E. Theorie zur erklärung des haftvermögens der käsebruchkörner. Milchwissenschaft 8:78-79. Mar.1953. 44.8 M5933
English summary.

47457 SCHULZ, W. G. Un nouveau procédé pour la conservation du lait. Tech. Lait. 9(121):13-14. Jan. 15,1953. 44.8 Of2

47458 SCHWARZ, M. Traitement thermique du lait. (Sum.) Lait 33(321/322):119-120. Jan./Feb.1953. 44.8 L143
Pasteurization of milk for cheese making.

47459 SELIVANOV, N. Closed steam-driven [milk] pasteurizers without stirrers. (In Russian.) Moloch. Promysh. 14(2):9-13. Feb.1953. 44.8 M734

47460 SERGEEVA, V., IAKSON, E., and KONOVAL'TSEV, I. Rationalization of eskimo [ice cream] production. (In Russian.) Moloch. Promysh. 14(2):34. Feb. 1953. 44.8 M734

47461 STEFANOVIC, R. Contribution á l'étude de l'influence de la fermentation et du traitement thermique sur les protéines, la matiére grasse et l'humidité du caillé. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:405-412. 1952. 106.6 B41
French summary.
In making Caciocavallo cheese.

47462 SULLIVAN, D. J. Concentrated milk. Assoc. Food & Drug Off. U. S. Q. B. 17:17-20. Jan.1953. 389.9 As7Q

47463 TEETERS, D. A. Homogenization of milk. Mont. State Col. Farmer 6(2):7,15-16,20,26. Feb.1953. 276.8 M76

47464 THOME, K. Les antibiotiques et les effets de leurs résidus. (Sum.) Lait 33(321/322):116-117. Jan./Feb.1953. 44.8 L143
In cheese manufacture.

47465 THOMSEN, H. Die milchpumpen. Molk.-Ztg. 7:77. (Cont.) Jan.22,1953. 44.8 M735

47466 THOMSEN, H. Uber den nachweis und die regelung einer ordnungsmässigen milcherhitzung. Molk.-Ztg. 6:519,521. (Cont.) May 15,1952. 44.8 M735

47467 TOLLENAAR, F. D. Die bekämpfung des fischigwerdens von butter, insbesondere mit hilfe von antioxydantien. Fette u. Seifen 55:3-7. Jan.1953. 384 C422

47468 TROUT, G. M., BOYD, J. C., and SMITH, C. K. Short-time freezer storage of milk for home use. Mich. Agr. Expt. Sta. Q. B. 35:359-372. Ref. Feb.1953. 100 M58S

47469 U. S. BUR. OF DAIRY INDUSTRY. Partial list of references on processed cheese and cheese spreads. U. S. Bur. Dairy Indus. BDI-Inf-68,rev.,4 p. Mar.1953. 1.973 D4B34

47470 VALÎAEV, I. A [butter] factory became more efficient. (In Russian,) Moloch. Promysh. 13(10):20. Oct.1952. 44.8 M734

47471 VLODAVETS, I. On the macro-kinetics of butter formation. (In Russian.) Moloch. Promysh. 13(12): 30-34. Dec.1952. 44.8 M734

47472 VORHES, C. A. Canned sterilized milk. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4: 284-286. Fourth Q.1952. 389.9 As74A

47473 WAYWELL, J. Cooling and ageing of ice cream. Dairyman & Dairy Engin. 70:125-127. Mar.1953. 44.8 D1426

47474 WAYWELL, J. The flavouring of ice cream. Dairyman 70(2):77,81. Feb.1953. 44.8 D1426

47475 WEBER, C. W. Cleaning pipe lines in place. Vt. U. & State Agr. Col. Dept. Anim. & Dairy Husb. Papers Presented Conf. Dairy Plant Oper. & Milk Distrib. 31:10-11. 1952. 44.9 V593

47476 WEIR, R. A. Continuous freezer operation. Ice Cream Field 61(2):62,64,66-67,69-70. Feb.1953. 389.8 Ic23

47477 WERBIN, S. J. Recent advances in the field of stabilizers and emulsifiers. South. Dairy Prod. J. 53 (3):38-40,46-48. Mar.1953. 44.8 So83
For ice cream.

47478 WEYL. Milchhygiene in gebieten mit milchlieferungen an die USA-armee im lande Niedersachsen. Molk.-Ztg. 6:1015-1016. (Cont.) Sept.18,1952. 44.8 M735

47479 WHITEHEAD, H. R., EAST, A., and MCINTOSH, L. The so-called 'nascent' bacteriophage phenomenon. J. Dairy Res. 20:60-64. Feb.1953. 44.8 J823

47480 WHITMORE, J. Studies on a washed curd variety of cheese. I. The influence of different types of starter. J. Dairy Res. 20:108-114. Ref. Feb.1953. 44.8 J823

47481 WILDERMUTH, J. A. HTST pasteurization of ice cream mix. Ice Cream Rev. 36(8):140,142,144-145. Mar.1953. 389.8 Ic22

47482 ZADNEPRÎANOV, M. Regulating the quantity of separated milk in preparing the mixture [for cheese manufacture]. (In Russian.) Moloch. Promysh. 14:26-27. Jan.1953. 44.8 M734

47483 ZEILER, K. 100 jahre milchwirtschaft in Weihenstephan. (Extr.) Milchwissenschaft 8:79-81. Mar. 1953. 44.8 M5933

47484 ZEILINGER, A. Die "uperisation," ein neuer weg der trinkmilchbehandlung. Osterr. Milchwirt. 8:3-4. Jan.7,1953. 44.8 Os72

Statistics

47485 HACKENSCHMIED, W. Die milchwirtschaft Bayerns im spiegel der statistik 1951. Molk.-Ztg. 6:502-503,506-507,510. May 15,1952. 44.8 M735

47486 U. S. BUR. OF AGRICULTURAL ECONOMICS. Milk production on farms and statistics of dairy plant products, 1952, by J. L. Wilson, and others. Washington, 1953. 46 p. 1.941 H2M593

47487 U. S. PRODUCTION AND MARKETING ADMIN. Total receipts of butter at Chicago, Illinois, for year 1952. Chicago,1953? 2 p. 1.9422 D8T64
Also receipts of cheese, dressed poultry, live poultry, eggs, and frozen eggs at Chicago; butter, cheese, eggs, dressed poultry at Los Angeles; butter at Atlanta; and fluid milk at Philadelphia.

FEED AND FORAGE CROPS

47488 BADIR'ÂN, G. Organization of feed supply base on Lenin Collective Farm [in Khristinov District, Kiev Region]. (In Russian.) Kolkhoz. Proizvodstvo 13:32-34. Jan.1953. 281.8 K83

47489 BECKER, M. Neuere untersuchungsergebnisse an luzernegrünmehl. Deut. Landwirt.-Gesell. Mitt. 68: 79-81. Jan.22,1953. 18 N39
Analysis and nutritive value.

47490 BENSON, H. J. A look-back at 1952 prices. East. Feed Merchant 4(3):40-41. Mar.1953. 389.78 Ea7
Feed.

47491 BOSS, S. J. Farmers urged to plant wisely. Coop. Poultryman 18(3):7. Mar.1953. 47.8 C782
Feed grains production goals and support program.

47492 GOHRUM. Südbaden im Bundes-heuwettbewerb. Bauern-Ztg. 6(7):7-8. Feb.20,1953. 18 B324

47493 GRIFFIN, E. D. The future for young men in feed sales. Feed Age 3(3):41-42. Mar.1953. 389.78 F327

47494 HAPP, H. Beim kauf von milchviehmischfutter auf qualität achten! Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:299-300. Feb.19,1953. 18 L2346

47495 HARTE, W. H. Integrate complex operation; and make a better feed from [citrus] peel. Food Engin. 25(3):84-86,154,156. Mar.1953. 389.8 F737

47496 HAUSSMANN, G. Is intensification of forage production possible in Cremona? (In Italian.) Italia Agr. 90:19-28. Jan.1953. 16 It1

47497 HENKLE, O. T. Fork truck operations. Feedstuffs 25(13):10. Mar.28,1953. 286.81 F322

47498 HUERGO, E. T. Nota de laboratorio sobre la celulosa y las sustancias céreas del coirón amarillo (Stipa spp.) también llamado pasto salado. Argentina. Dir. Nac. de Quim. An. 5(9):13-15. 1952. 385 Ar33

47499 KHARLAMYCHEV, A. Organization of feed supply base on Kaganovich Collective Farm [in Novo-Anenskiĭ District]. (In Russian.) Kolkhoz. Proizvodstvo 12(12):33-35. Dec.1952. 281.8 K83

47500 KRANZ, W. Die futtermittelherstellung nach dem neuesten stand der patentliteratur. I. Müllerei 6: 99,102. Feb.14,1953. 298.8 M91

47501 KRANZ, W. Die futtermittelherstellung nach dem neuesten stand der patentliteratur. II. Müllerei 6: 131. Feb.28,1953. 298.8 M91

47502 KRAVCHENKO, I. E. Experience in processing cut straw with hot steam. (In Russian.) Kormovaîa Baza 3(10):46. Oct.1952. 60.8 K84
For feed.

47503 KUIKEN, K. A. Good feed from cottonseed. East. Feed Merchant 4(3):34,36-37,72-73. Mar.1953. 389.78 Ea7
Processing.

47504 LIEBSCHER, W. Wie konservieren wir am besten das grünfutter für den winter? Osterr. Landtech. 5:263-266. Oct.1952. 58.8 L236

47505 MCMILLEN, W. N. The future for young men in feed research. Feed Age 3(3):40-41. Mar.1953. 389.78 F327

47506 MAYNARD, E. J. Pelleting dried molasses beet pulp. Amer. Soc. Sugar Beet Technol. Proc. 7:269-272. 1952. 66.9 Am35

47507 MEMPHIS. MERCHANTS EXCHANGE. By-product feeds: estimated supply available for feeding, year beginning October, averages 1937-41 and 1946-50, annual 1947-52. Memphis,1952. 1 p. 287 M512B
U. S. Bureau of Agricultural Economics, cooperating.

47508 MOSKEY, H. E. Drugs in animal feeds. Food Drug Cosmetic Law J. 8:108-116. Feb.1953. 389.58 F732
Regulation.

47509 MOVSISÎANTS, A. P. Simplest methods for feed processing. (In Russian.) Kormovaîa Baza 4(2):45-50. Jan.1953. 60.8 K84

47510 ORTH, A. Raumgewicht von gehäckselt gelagertem wiesenheu. ALB Mitt. 4:7. Jan./Feb.1953. 296.8 Ar1

47511 PARRISH, D. B. Recent emphasis in vitamin A research. Grain & Feed J. Consolidated 110(5):26,28-29. Mar.11,1953. 298.8 G762
In feed manufacture.

47512 POLHEIM, P. VON, and KUMMER, H. Die qualität des nordbadischen wiesenheus der ernte 1952 im vergleich mit dem vorjährigen wiesenheu. Bad. Landwirt. Wchnbl. 120:104-106. Jan.31,1953. 18 B142
Analysis.

47513 REVA, K. I., and VARLAMOV, S. T. Our method of preparing feed. (In Russian.) Kormovaîa Baza 4(2): 50-53. Jan.1953. 60.8 K84

47514 RIFORD, L. S. The future for young men in feed production. Feed Age 3(3):43. Mar.1953. 389.78 F327

47515 RUZICIC, N. A theoretic study for the application of "Minneapolis" hammer mill for crushing corn stalks. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:199-204. 1952. 106.6 B41
English summary.

47516 SEREN'EV, V. M. Rapid method for determining under industrial conditions the ammonia in silage. (In Russian.) Sovet. Zootekh. 7(12):76-80. Dec.1952. 49 So822

47517 SMITH, I. Average composition of feed, a little on quality and recorded standard prices compared to gross prices per 1/1-1953. (In Norwegian.) Samvirke 48: 4-6. Jan.1,1953. 280.28 Sa4

47518 SNYDER, M. H. Feed quality control and the feed dealer. Grain & Feed J. Consolidated 110(5):33-38. Mar.11,1953. 298.8 G762

47519 SPAGNOLI, A. The availability of feed in livestock raising. (In Italian.) Allevatore 9(3):3. Jan. 18,1953. 49 AL55

47520 STIEBELER, P. Ergebnisse der futtermittelkontrolle in Westfalen-Lippe. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:256-257. Feb.12,1953. 18 L2346

47521 SUSINI, C. Value versus price. (In Italian.) Agr. Tosc. 7:423-424. Dec.1952. 16 Ag827
Feed.

47522 SYKES, J. D. The future of the feed industry. Feed Bag 29(2):11,103. Feb.1953. 389.78 F32

47523 TOBEY, E. R., and others. Commercial feeding stuffs, 1951-1952. Maine. Agr. Expt. Sta. Off. Insp. 224,29 p. July 1952. 100 M28S

47524 WASCHER, E. C. Grinding, mixing, pelleting and crumblizing. Feedstuffs 25(11):26,28,30,32-33,36. Mar.14,1953. 286.81 F322
Of feed.

47525 YOUNG, E. G. The future for young men in purchasing in the feed industry. Feed Age 3(3):42-43. Mar.1953. 389.78 F327

47526 ZELLER, Z. C. The future for young men in feed engineering. Feed Age 3(3):43. Mar.1953. 389.78 F327

47527 ZUBRILIN, A. A. Principal results and fundamental problems of scientific-research work in the field of feed technology. (In Russian.) Sovet. Zootekh. 7(11): 11-25. Nov.1952. 49 So822

FIBERS AND TEXTILES

47528 AKBAROV, A. Sources of increased production capacity of cotton mills. (In Russian.) Khlopkovodstvo 11:60-63. Nov.1952. 72.8 K522
Use of processing machinery.

47529 ARBEITSGEMEINSCHAFT DEUTSCHER TEXTIL-INGENIEURE. ARBEITSKREIS AUGSBURG. Vergleichsuntersuchungen an der karde zwischen ganzstahl- und häkchen-garnituren bei der verarbeitung von zellwolle. Textil-Praxis 8:122-124. Feb.1953. 304.8 T3143

47530 AUSTRALIAN WOOL BOARD. Sixteenth annual report for year ending June 1952. Sydney,1952. 20 p. 286.3459 Au72

47531 BALTABAEV, S. Separating machine harvested cotton from trash. (In Russian.) Khlopkovodstvo 11: 63-68. Nov.1952. 72.8 K522
Cleaning.

47532 BARABANOV, L. G. Effect of spinning processes on streakiness of satin. (In Russian.) Tekstil'. Promysh. 12(12):17-22. Dec.1952. 304.8 T23

47533 BARELLA, A. Mesures interlaboratoires de diamètre apparent du fil au moyen du régularimètre Barella. Inst. Textile de France. B. 36:33-40. Dec.1952. 304.8 T3145

47534 BEACH, R. O. Cotton sellers have direct responsibility toward increasing saleability of product. Cotton Digest 25(28):20-21,48. Mar.21,1953. 286.82 C822

47535 BECK, T. Technology of flax spinning. (In Hungarian.) Magyar Textiltech. 1:20-24. Jan.1953. 304.8 M27

47536 BEEVERS, H. The manufacture of worsted yarns. II. Wool Knowl. 2(8):16-20. Winter 1952. 304.8 W886

47537 BICKELL, L. K. High alpha or purified pulps. Canad. Pulp & Paper Indus. 6(3):12,14,16. Mar.1953. 302.8 W52
Cellulose pulp for rayon manufacture.

47538 BOZA BARDUCCI, T. La producción del algodón en el Perú. Cañete,1953. 12 p. Ref. 255.8 Ag8Eag
The industry, including culture.

47539 BROOKE, C. Cash from clean wool. Ill. Agr. Assoc. Rec. 31(3):12-13. Mar.1953. 6 IL62
Includes sheep shearing hints.

47540 BROOKS, D. W. 1953 cotton acreage. Dixie Co-op News 3(7):2. Feb.1953. 280.28 D64

47541 BROWN, C. H. Possibilities of long staple cotton. Fibres 14:17-18. Jan.1953. 304.8 F16

47542 BRYANT, F. The softness and handle of textile fibres and fabrics. Textile J. Austral. 27:1130-1131,1135. Dec.20,1952. 304.8 T3134

47543 BURGESS, D. W. Sales personnel grounded in seven wonders of wool. Natl. Wool Grower 43(3):19-21, 37. Mar.1953. 45.8 N21N

47544 BUSSE, W F., and others. Application of high compression stresses to textile fibers. I-II. Textile Res. J. 23:77-90. Feb.1953. 304.8 T293
H. J. Kolb, H. E. Stanley, and F. W. Billmeyer, joint authors.

47545 CALDWELL, S. A. G. Productivity in flax spinning. Textile Mfr. 79(938):66-68. Feb.1953. 304.8 T3126

47546 CALDWELL, S. A. G. Systems of ramie manufacture. Fibres 14:52-54. Feb.1953. 304.8 F16

47547 CARMINATI, C. Recent trends in the carding of synthetic fibers and cotton. (In Italian.) Mondo Tessile 7:476-479. Dec.1952. 304.8 M742

47548 CARTER, E. G. The chemist in the wool mill. Fibres 14:15-17. Jan.1953. 304.8 F16

47549 CASTILLO G., N. Bases para servir al fomento del cultivo del kenaf en Guatemala. Guatemala Inst. de Fomento de la Prod. Monit. del INFOP 3(11):41-47. Dec.1952. 8 G937M

47550 CHAKRABARTI, B. K. Weight measurement of yarn irregularity. Textile Res. J. 23:99-107. Feb.1953. 304.8 T293

47551 CHEVALLARD, A. Special wools. (In Italian.) Mondo Tessile 8:4-8. Jan.1953. 304.8 M742
From animals other than sheep.

47552 COMPTON, J., and HART, W. J. Soiling and soil retention in textile fibers. Indus. & Engin. Chem. 45: 597-602. Mar.1953. 381 J825

47553 DAS, D. B., BASAK, K. K., and WAREHAM, J. F. Use of oil in jute manufacture. 1. Fibres 14:22. Jan.1953. 304.8 F16

47554 DAS, D. B., BASAK, K. K., and WAREHAM, J. F. Use of oil in jute manufacture. 2. Fibres 14:60-61. Feb.1953. 304.8 F16

47555 DEERING, G. American cotton and the new Secretary of Agriculture. Staple Cotton Rev. 31(2):1-3. Feb.1953. 72.8 St22

47556 DILLON, J. H. What's good and bad about synthetic fibers. Textile World 103(3):98-100,215-216, 218,220,222,224. Mar.1953. 304.8 T315
Includes rayon.

47557 DISHKA, G. Instrumental evaluation of bast fibers. (In Hungarian.) Magyar Textiltech. 1:2-5. Jan.1953. 304.8 M27

47558 DODI, R. Concept, limits and importance of the textile industry. (In Italian.) Riv. di Polit. Econ. (ser. 3)42:1437-1448. Dec.1952. 280.8 R52

47559 DRUMMOND, J. My wool sold for less! Mont. Wool Grower 27(3):6-7. Mar.1953. 45.8 M762

47560 DUCOULOMBIER, M. Orientation et amélioration de la production de laine. France. Min. de l'Agr. B. Tech. d'Inform. 76:21-25. Jan./Feb.1953. 14 F844B
Standards and effects of breeding.
Includes discussion.

47561 DURGIN, J. What you should know about rope. Constr. Methods & Equip. 35(3):133-134,137-138,140-141, 144-145. Mar.1953. 290.8 C763

47562 EL SABBAN, G. Le jute, sa culture et son industrie en Egypte. Feuilles Agr. 10:389-397. Oct./Dec. 1952. 24 F43

47563 ELOD, E., and RAUCH, H. Zur kenntnis der mikrostruktur von reyon und zellwolle. Melliand Textilber. 34:1-11. Ref. Jan.1953. 304.8 T312
English summary.

47564 FLEMING, L. What is cotton's future? (Extr.) Cotton Digest 25(28):22-23,42-43,46-47,49,55. Mar.21,1953. 286.82 C822

47565 FROIER, K., and ZIENKIEWICZ, H. Report on results from studies in laboratory and technical scale of certain quality properties of Swedish scutched flax (long-fibre) produced during the years 1946-1951. (In Swedish.) Lin 6:125-142. Ref. Dec.1952. 73.18 L63
English summary.

47566 GALLINAL HEBER, A. Cien millones de quilos de lana para 1956. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(452):7. Jan.29,1953. 9.9 G15B

47567 GARNTSEV, A. IA. Utilization of drawing devices at the spinning factories of foreign countries. (In Russian.) Tekstil'. Promysh. 12(12):22-25. Dec.1952. 304.8 T23

47568 GARRARD, W. M. Producers alone want limited crop. Cotton Digest 25(28):58-59. Mar.21,1953. 286.82 C822
Acreage control and trade.

47569 GATTI, G. Trends of prices of wool in Italy during the year 1952. (In Italian.) Laniera 66:830. Oct. 1952. 45.8 B63

47570 GOLDBERG, J. B. Textile research achievements of 1952. 1. Canad. Textile J. 70(5):62,65-66. Feb.27,1953. 304.8 C16
Includes fiber research.

47571 GOLDBERG, J. B. Textile research achievements of 1952. Textile Mfr. 79(938):96-99. Feb.1953. 304.8 T3126
Includes fiber research.

47572 GOODMAN, W. H. The marketing of raw cotton. Textile Wk. 51:480,483-484,486. (Cont.) Feb. 20,1953. 304.8 T3127

47573 GRABE, F. Die verwendung von azetat- und rhovyl-fasern. Textil-Praxis 8:128-130. Feb.1953. 304.8 T3143

47574 HAARER, A. E. Latest reports on jute substitutes cultivation. Cordage World & Indus. Textiles 34(400):17,19. Feb.1953. 73.8 C813

47575 HENEN, R. The spinning of Belgian cotton at the beginning of 1953. (In Italian.) Riv. dell'Indus. Tessile Coton. 7:75-76. Feb.1953. 286.3729 Is7

47576 HOLLEN, N., and SADDLER, J. Modern textiles. Minnesota,Burgess Pub.,1952. 138 p. 304 H722
Contains a section on fibers.

47577 HOPKINS, G. E. Wool bureau's research program. Natl. Wool Grower 43(3):16. Mar.1953. 45.8 N21N

47578 HOW WOOLS are marketed by Midwest Wool Marketing Cooperative. Midwest Wool Growers News 22 (2):3-4. Feb.1953. 45.8 M58

47579 HUBAIN, M. Economie et technologie des fibres congolaises. Gent. Foire Internatl. Annu. Colon. 2: 48-55. 1952. 280.9 G34

47580 INTERNATIONAL FEDERATION OF MASTER COTTON SPINNERS' AND MANUFACTURERS' ASSOCIAtion. International cotton statistics. Manchester,Eng., 1953. 8 p. 72.9 In82C

47581 JIMENEZ CALDERON, A, Panorama of the Spanish cotton industry in 1952. (In Italian.) Riv. dell'Indus. Tessile Coton. 7:7-10. Jan.1953. 286.3729 Is7N

47582 JOBSON, A. The craft of the roper. Country Life [London] 113:348-349. Feb.6,1953. 80 C83

47583 KING, M. Mohair in South Africa. Land [Port Elizabeth] 2:1-2. 1952. 24 L22

47584 KING, M. This is still the golden fleece. (In Afrikaans.) Land [Port Elizabeth] 1:8-9. 1952. 24 L22
The wool industry.

47585 KONCAR, L., and SMALCELJ, I. The wool fineness and percentage of medullated fibres in wool of lambs 1-6 months old. Empire J. Expt. Agr. 21:61-64. Jan.1953. 10 Em7

47586 KONIUKOV, P. M. Dust removal from hand- and machine-harvested cotton. (In Russian.) Tekstil'. Promysh. 12(11):24-25. Nov.1952. 304.8 T23

47587 KOVNER, S. S. Explanations to the works of professor N. A. Vasil'ev on the theory of drawing [in spinning]. (In Russian.) Tekstil'. Promysh. 12(10):28-31; (11):25-29. Oct.-Nov.1952. 304.8 T23

47588 LEPREVOST, A. Mechanical paste and cellulose from bracatinga. (In Portuguese.) Rev. de Quim. Indus. 21(246):26. Oct.1952. 385 R324
Mimosa bracatinga as a source of cellulose for industrial uses.

47589 LESESNE, H. South's position as major cotton grower is being challenged. South. Textile News 9(8):28, 45. Mar.21,1953. 304.8 So83

47590 LUNA ERCILLA, C. A. Extracción de fibras vegetales. Bolsa de Com. Rosario. Rev. 41(984/985): 27. Jan.31,1953. 287 R71

47591 MCNAMARA, T. P. Survey reveals nep control practices in industry. Textile Forum 10:19-20. Feb.1953. 304.8 T3191
Cotton.

47592 MADER, E. Eine neue zentrifugal-nasspinnmaschine zum spinnen von flachs- und hanfgarnen. Textil-Praxis 8:10-13. Jan.1953. 304.8 T3143

47593 MAYNE, S. C., LITTLE, J. N., and BERKLEY, E. E. A simple cotton fiber testing laboratory for mills. Textile Indus. 117(3):122-126. Mar.1953. 304.8 C823

47594 MILLER, G. W. The world cotton situation. Pakistan Cotton B. 1(4):13-15. Jan.1953. 72.8 P17

47595 MONCRIEFF, R. W. The chemical structure of fibres. 1. Fundamental structural features. Fibres 14: 19-21. Jan.1953. 304.8 F16

47596 MONCRIEFF, R. W. The chemical structure of fibres. 2. Diversity of composition. Fibres 14:62-65. Feb.1953. 304.8 F16

47597 MONTEIRO, B. Stretching wool fiber. (In Portuguese.) Lanificios 4(37):4-8. Jan.1953. 45.8 L26

47598 MOREIRA, J. A. Felting wool fiber. (In Portuguese.) Lanificios 4(37):9-15. Jan.1953. 45.8 L26

47599 MURAKAMI, K. Cellulosic materials for cellulose acetate industry. (In Japanese.) Japan Synthetic Textile Mon. 6:20-27. Ref. Jan.1953. 304.8 J27

47600 NELSON, E. A speculative industry. Natl. Wool Grower 43(3):22. Mar.1953. 45.8 N21N

47601 NIMER, E. L. Effect of chemicals on the mechanical properties of cotton fibers. Salt Lake City, 1952. 77 p. 304 N61
Thesis - University of Utah.

47602 O'KELLY, J. F. The effects of certain mechanical mixtures on the spinning quality of lint cotton. Agron. J. 45:71-74. Feb.1953. 4 Am34P

47603 OLDHAM MASTER COTTON SPINNERS' ASSOCIATION. Report of the committee for year ended December 31st, 1952 together with lists of the committee and members. Oldham,1953. 117 p. 72.9 OL1

47604 PEREIRA IRAOLA, C. Cómo venden su lana australianos y neozelandeses. Uruguay. Min. de Ganad. y Agr. B. Inform. 9(451):4. (Cont.) Jan.22,1953. 9.9 G15B

47605 PIERI, M. Treatment and yields of ramie that is too ripe. (In Italian.) Chimica (n.s.)7:462-464. Ref. Dec.1952. 385 C445

47606 PIRAINO, N. Relation between prices of wool and shoddy. (In Italian.) Laniera 66:825,827,829. Oct. 1952. 45.8 B63

47607 REGNERY, W. Über die mischung der baumwolle durch feinheitsbestimmung. Textil-Praxis 8:5-6. Jan.1953. 304.8 T3143

47608 RINOLDI, L. Prevention of molds on wool. (In Italian.) Mondo Tessile 7:462-464. Dec.1952. 304.8 M742

47609 RODELO, D. DE O. Grading of American cotton. (In Portuguese.) Rev. dos Mercados 3(28):34-36. Dec.1952. 286.8 R328

47610 ROGOV, P. A. Comparative stiffness of twisting textile fibers. (In Russian.) Tekstil'. Promysh. 12 (12):16-17. Dec.1952. 304.8 T23

47611 ROLDAN PINEDA, M. Balance general de las industrias textiles en 1951. Trab. Nac. 1600:1003-1005. Dec.1952. 280.8 T672
Spain.

47612 RUSSELL, E. H. The flax situation in the United States. Amer. Paint J. 37(24):28,30,32. Mar.2, 1953. 306.8 Am32

47613 SAL'MAN, S. I. Feeding fibers into the combing section of the flax spinning machines. (In Russian.) Tekstil'. Promysh. 12(12):25-27. Dec.1952. 304.8 T23

47614 SAMOILOV, P. A. Improvement of engineer Zvorykin's spinning machine. (In Russian.) Tekstil'. Promysh. 12(10):40-41. Oct.1952. 304.8 T23

47615 SANDERSON, H. Function of a futures market; hedging price risks in wool trade. Wool Rec. & Textile World 83:493,495. Feb.26,1953. 45.8 W884

47616 SATTA, V. Treatment of wool with beta propiolactone. (In Italian.) Laniera 66:833,835,837,839. Oct.1952. 45.8 B63

47617 SCHAFFNER, J. F. Karakul yarn facts. Fur Farming J. 5(4):9-10. Mar./Apr.1953. 45.8 K142

47618 SCHONBERG, VON. Was versteht man unter reiner wolle? Textil-Praxis 8:130. Feb.1953. 304.8 T3143

47619 SLOBODIAN, E., and LEVY, M. The sequence glyclalanylglycine in silk fibroin. J. Biol. Chem. 201: 371-375. Mar.1953. 381 J824

47620 SNYDER, R. A. The making and use of rope. Natl. Shade Tree Conf. Proc. 28:28-31. 1952. 99.9 N218

47621 SOME notes on the present world position of cotton. Natl. Bank Egypt. Econ. B. 5:272-284. 1952. 284.9 N19

47622 SOUTH AFRICAN WOOL BOARD. Summary of South African wool clips in qualities, season 1951/1952. Port Elizabeth,1952. 6 p. 281.3459 So83S
Statistics.

47623 STAUDINGER, H., BIRKEN, K. H. IN DEN, and STAUDINGER, M. Über den micellaren oder makromolekularen bau der cellulosen. Makromolekulare Chem. 9:148-187. Feb.1953. 384 M28
In fibers.

47624 STAUDINGER, H., and DOHLE, W. Uber die acetylierung von inclusionscellulosen. Makromolekulare Chem. 9:188-189. Feb.1953. 384 M28
In fibers.

47625 STAUDINGER, H., and DOHLE, W. Der übergang von nativen in mercerisierte cellulosen. Makromolekulare Chem. 9:190-192. Feb.1953. 384 M28
In fibers.

47626 STROBINO, G. Work of the group of textile engineers concerning the wool industry. (In Italian.) Laniera 66:913,915,917,919,921,923,925-926. Nov.1952. 45.8 B63
Reports on the wool industry presented at the fifth Congress of Industrial Engineers held at Milan, November 1-4.

47627 TAGKA, P. CH. Technologike melete poikidion bambakos [Technological study of cotton varieties], 1951. Athens,Organismos Bambakos,1952. 78 p. 72 T122

47628 TALEPOROVSKAÍA, V. V. Electrical conductivity of dyed cotton. (In Russian.) Tekstil'. Promysh. 12(11):31-32. Nov.1952. 304.8 T23

47629 TASHIRO, S. Problems of synthetic textile industry in 1953. (In Japanese.) Japan Synthetic Textile Mon. 6:14. Jan.1953. 304.8 J27

47630 TAYLOR, C. C. Jute links farmers of India and U.S.A. Agr. Leaders' Digest 34:14,49. Jan.1953. 275.28 Am3

47631 TOWNEND, P. P. Problems of wool carding. IV. Wool Rev. 23(368):35,39. Dec.1951. 45.8 W886

47632 U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho wool production 1952. Boise,1953. 2 p. 1.941 S8W88

47633 U. S. BUR. OF AGRICULTURAL ECONOMICS. Mohair production and income, 1951 and 1952. Washington,1953. 1 p. 1.9 Ec71Mo

47634 U. S. BUR. OF AGRICULTURAL ECONOMICS. Wool and mohair production and income report, 1952. Portland,Oreg.,1953? 2 p. 1.941 H8F44

47635 U. S. BUR. OF AGRICULTURAL ECONOMICS. Wool production and income, 1951-52, with revised estimates of price and cash receipts, by States, 1943-50. Washington,1953. 4 p. 1.9 Ec713Wp

47636 U. S. DEPT. OF AGRICULTURE. 1952 materials survey, apparel wool. Washington,1952. Ref. 85 p. 1.90 A2On23
Foreign situation, consumption and trade.

47637 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. The cotton situation in Europe, by F. H. Whitaker. Washington,1953. 3 p. 1.943 C825

47638 U. S. PRODUCTION AND MARKETING ADMIN. Summary of fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1952. Washington,1953. 33 p. 1.956 C82Su6

47639 WATERMAN, E. World-wide wool promotion. Natl. Wool Grower 43(3):12-13. Mar.1953. 45.8 N21N

47640 WEBSTER, A. Quality control in rayon processing. Textile Mfr. 79(938):75-78. Feb.1953. 304.8 T3126

47641 WEGENER, W., and QUESTEL, R. Mikrobielle schädigung an leinengarnen und -geweben. Melliand-Textilber. 34:12-16. Jan.1953. 304.8 T312
English summary.

47642 WHITAKER, F. H. Cotton situation in Syria. Internatl. Cotton B. 20:353-354,357-361. Oct./Nov.1952. 72.8 In8

47643 WILDE, L. O. J. DE, and BILLIET, L. E. J. Peut-on augmenter la production cotonnière au Congo? Gent. Foire Internatl. Annu. Colon. 2:57-62. 1952. 280.9 G34

47644 WILSON, J. B. Marketing wool in the U.S.A. Wool Knowl. 2(8):12-15. Winter 1952. 304.8 W886

47645 YOUNG, H. A. Cotton is still king. Textile Forum 10:13-15,32-34. Feb.1953. 304.8 T3191

47646 ZIMMERMAN, E. H. Wool demand continues to mount as Nation's fiber needs grow. Textile Forum 10: 11-12,31. Feb.1953. 304.8 T3191

FRUITS, VEGETABLES, AND NUTS

47647 BENNETT, L. G. The horticultural industry of Middlesex. Reading, Eng. U. Dept. Agr. Econ. Misc. Studies 7,70 p. Dec.1952. 281.9 R22Ms

47648 BERTARELLI, E. The chestnut. (In Italian.) Alimentazione 3:19. Jan.1953. 389.8 AL45
Italy.

47649 BERTARELLI, E. Fruit juices. (In Italian.) Alimentazione 3(2):10-12. Feb.1953. 389.8 AL45
The industry in Italy.

47650 BERTHAULT, P. La situation viticole. Rev. Agr. de l'Afrique du Nord 51:85-87. Jan.23,1953. 80 R326

47651 BERTIN-ROULLEAU, J. Quelques réflexions sur la crise viticole. Monit. Vinic. 98(11):1-2. Feb.7, 1953. 95.8 M74
France.

47652 BRANAS, J. L'orientation de la production viticole. Prog. Agr. et Vitic.,Feb.1/8,1953:55-62. 14 P94

47653 CANADA. DEPT. OF AGRICULTURE. FRUIT AND VEGETABLE PRODUCTS RESEARCH COMMITTEE. Annual report 1951. n.p.,1952. unpaged. 389.9 C169

47654 CHAIN STORE AGE. Produce manual, March 1953. Chain Store Age 29(3):91-126. Mar.1953. 286.28 C34
Fruit and vegetable descriptions and marketing.

47655 CHRIST, E. G. The blueberry industry as compared with other fruit industries in New Jersey. N. J. Agr. Expt. Sta. Cranberry-Blueberry Res. Lab. Annu. Blueberry Open House 21:4-6. Dec.5,1952. 94.35 N46A

47656 COSSETTE, M. C'est une question de millions en culture maraîchère. B. des Agr. 35(2):10-11. Feb. 1953. 7 B872
Quebec.

47657 DITGES, H. Theorie? Eine nutzanwendung aus vielen neujahrsbetrachtungen. Obst u. Gemüse 5:3-4. Jan.8,1953. 286.83 Ob72
German fruit and vegetable industry.

47658 DOUARCHE, L. Pour une politique viticole. I-II. Monit. Vinic. 98(7):1,3;(8):1,4. Jan.24-28,1953. 95.8 M74

47659 DRAKOS, E. The growth of the citrus industry in Cyprus. Countryman [Nicosia] 6(11):17-18. Nov.1952. 25 C83

47660 DUPAIGNE, P. Quelques produits de la pomme peu connus en France. Fruits et Leurs Dérivés 21:27-31. 1952. 389.68 J98

47661 FALCH, J. Die apfelproduktion in den Vereinigten Staaten unter besonderer berücksichtigung Kaliforniens. I. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:26-30. Jan.1953. 105.9 K696
English summary.

47662 FARLEY, G. G. Can you afford to grow apples? East. Fruit Grower 15(12):7,26-27. Feb.1953. 80 Ea73

47663 FAVENNEC, J. Le jus de pommes en France. Fruits et Leurs Dérivés 21:8-9. 1952. 389.68 J98

47664 FLICK, H. Die rohwarenversorgung der konservenindustrie im jahre 1952. Obst u. Gemüse 5:55-56. Jan.22,1953. 286.83 Ob72
Vegetables in Germany.

47665 GUTHEIL, N. C. The cassava alcohol industry and its possibilities in Rio Grande do Sul. (In Portuguese.) Rev. de Quím. Indus. 21(245):19-22. Sept.1952. 385 R324

47666 HARDY, E. The Jaffa industry struggles against high costs at home and fierce competition abroad. Fruit, Flower & Veg. Trades' J. 103(8):26-27. Feb.21,1953. 80 F946
Citrus.

47667 HARVEY, N. The story of kale. Land Agents' Soc. J. 52:108-109. Mar.1953. 282.9 L22
The industry in Great Britain.

47668 HOHMANN, W. Der Fruchthof Berlin, ein gradmesser des aufbauwillens. Obst u. Gemüse 5:108,111. Feb.5,1953. 286.83 Ob72

47669 ILLINOIS FRUIT COUNCIL. Your guide book to Illinois fruits. Carbondale,1952. 12 p. 225 IL69

47670 INTERNATIONAL APPLE ASSOCIATION. Reference book 1952. Washington,D.C.,1952. 228 p. 225 In83
Includes a directory.

47671 KALLBRUNNER, H. Das schicksal des österreichischen weinbaues. Agr. Rundschau 9:26-29. Winter 1952/53. 280.8 Ag82

47672 KAMM, J. O. Economic conditions affecting the vegetable grower. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:14-22. 1952. 75.9 Oh3

47673 KEIRNS, V. E. Ohio greenhouse vegetable survey—1951-52. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:98-105. 1952. 75.9 Oh3

47674 KLAUS, E. Was wird aus unserem obst- und gemüsebau? Bauern-Ztg. 6(7):1-2. (Cont.) Feb.20, 1953. 18 B324
Germany.

47675 KLAUS, E. Was wird aus unserem obst- und gemüsebau? Bauern-Ztg. 6(8):3. (Concl.) Feb.27,1953. 18 B324
Germany.

47676 KLEIN. Ein wort für den landwirtschaftlichen erwerbsgartenbau. Kärntner Bauer 103:81. Mar.1,1953. 19 K14
Fruit, vegetables, and flowers.

47677 KNAUER, W. Gemüsebau—kritisch gesehen. Hannoversche Land- u. Forstwirt. Ztg. 106:221-222. Feb.21,1953. 18 H194

47678 KRODEL. Der gemüsesamenbau—gestern und heute. Hannoversche Land- u. Forstwirt. Ztg. 106:83-84. Jan.24,1953. 18 H194

47679 LAGNEAU, C. La pectine. Fruits et Leurs Dérivés 21:11-16. Ref. 1952. 389.68 J98

47680 LERCH. Der obstbau in Südtirol und in der Schweiz. Salzburger Bauer 8(3):5-6. Jan.15,1953. 19 Sa3

47681 LETTUCE, Incorporated. Farm Mangt. 2(4): 73-76. Mar.1953. 281.8 F2225
California industry.

47682 LIEBSTER. Gemüseanbauempfehlung—der gemüsebau im existenzkampf. Landwirtbl. Weser-Ems 100:192-193. Feb.19,1953. 18 L2345

47683 MAHR, T. Was machen wir 1953? Gedanken zum kartoffelanbau. Allgäuer Bauernbl. 21:50-51. Jan. 22,1953. 18 AL53
Potatoes.

47684 MATOBA, T. Recent trend in mandarin growing villages of Tokai districts. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):207-228. Oct.1952. 22.5 N687

47685 MAZZEI, E. The production and export of citrus in Italy. (In Italian.) Alimentazione 3(2):37-38. Feb.1953. 389.8 AL45

47686 MERCKER, A. E. The potato situation past, present and future. Potato Chipper 12(8):23-25. Mar. 1953. 75.8 P844

47687 MILANO, G. Sicilian almonds. (In Italian.) Alimentazione 3(2):43. Feb.1953. 389.8 AL45
Includes nutritive value.

47688 MIRÓ ESPLUGAS, M. El III Congreso Regional Sindical Agrario de Cataluña y Baleares, y la crisis vitícola. Cám. Ofic. Sind. Agr. de Barcelona. B. 7:263-264. Nov.1952. 15 C14

47689 MOORE, C. B. The vegetable and melon industry of California and Arizona. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:98-99. 1953. 280.3939 Un3

47690 NATIONAL fruit and vegetable directory 1952-53. Chicago,1953. 216 p. 225 N2172

47691 NETHERLANDS. BUR. VAN DE LANDBOUWATTACHE, OTTAWA. Fruit production in Canada. (In Dutch.) Landbouwwereldnieuws 8:131-134. Feb.28, 1953. 12 L237

47692 PARKER, W. The place of California and Arizona in the Nation's citrus picture. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:156-158. 1953. 280.3939 Un3

47693 PETITPIERRE, A. L'abricot en Californie. Colon Franç. de Tunisie (ser.7)46(2256):1,3. (Concl.) Jan.10,1953. 24 C712
The industry.

47694 RAINS, A. T. What would happen, if you couldn't call United? United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:46-47. 1953. 280.3939 Un3

47695 RENOUF, L. R. Selection of fruit for shows. New Zeal. J. Agr. 86:15,17-18. Jan.15,1953. 23 N48J

47696 RIZZO, F. J., and GRÜNWALD, O. Sarrapia. Agr. Venezol. 17(157):36-42. Nov.1952. 9.95 Ag8
The industry.

47697 SAVAGE, Z. World citrus crop largest ever produced. Citrus Mag. 15(7):14-15. Mar.1953. 80 C498

47698 SCHMID, G. Hüscht oder hott? Schweiz. Z. f. Obst- u. Weinbau 62:85-87. Mar.7,1953. 80 Sch9
Conditions in the Swiss fruit industry.

47699 SCHREIBER, W. R. Foreign walnut production estimate down. Calif. Fruit News 127(3373):8-9. Feb. 28,1953. 80 C12

47700 SELLERS, K. Growing grapes. Ill. Agr. Assoc. Rec. 31(3):16-17. Mar.1953. 6 IL62
The grape industry in Italy.

47701 SHUTTLEWORTH, D. Union could lead in world's most popular canning fruit; urgent need for more research into diseases and production methods. Farmer's Wk. [Bloemfontein] 84:12-13,15. Feb.4,1953. 24 F225
Pineapple industry, Union of South Africa.

47702 SMITH, E. H. G. Papain: its production and market. Colon. Plant & Anim. Prod. 3:1-12. Ref. 1952/53. 472 C71

47703 SPENCE, F. Pecans face a crack-up. Farmer-Stockman 56(3):23,80-82. Mar.1953. 6 Ok45

47704 THOMAS, M. D. Potato seed outlook. Oreg. Seed Growers League. Proc. 11:103-104. 1952. 61.9 Or3

47705 TORRES HERRERA, J. M. Importancia del cultivo de los cítricos. Rev. Agr. y Ganad. 13(153):20-22. Oct.1952. 9.4 R327

47706 UNITED FRESH FRUIT & VEGETABLE ASSOCIATION. 19th annual convention, Los Angeles, California, January 26, 27, 28, 29, 30, 1953. Washington, D.C.,1953. 215 p. 280.3939 Un3

47707 U. S. DEPT. OF AGRICULTURE. 1953 production goals program; summer and fall vegetables for fresh market, summer melons, and vegetables for commercial processing. Washington,1953. 77 p. 1.90 A2P9434

47708 VANDERFORD, T. S. A potato grower views his industry. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:175. 1953. 280.3939 Un3

47709 WESTRHENEN, P. VAN. Fruit culture in Betuwe in difficulties. (In Dutch.) Fruitteelt 43:60-61. Jan.24,1953. 86 N28

47710 WIT, W. DE. De tuinbouw in Nederland [Horticulture in the Netherlands]. Netherlands. Tuinbouwvoorlichtingsdienst. Meded. 50,63 p. 1952. 86 N382
Fruit, vegetables, and flowers.

Analysis and Composition

47711 ALM, F. The effect of acetic acid on the oxidation of ascorbic acid in plant tissue. II. Various vegetables and fruits. Svenska Inst. f. Konservforsk. P. 73:81-87. Ref. 1952. 389.9 Sv2

47712 BOGDANSKI, K. A. Etude sur le méchanisme de l'action de l'acide ascorbique dans les jus de pommes. Fruits et Leurs Dérivés 21:19-21. 1952. 389.68 J98

47713 CASIMIR, J. Etude des acides aminés dans les fruits en conserve. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:33-42. Ref. 1952. 105.1 G285

47714 CID LOPEZ, R. Estudio bromatológico del tomate español. An. de Bromatología 4:279-311. Ref. 1952. 389.8 An1
English summary.

47715 DE WILLIGEN, A. H. A. Pasting of potato starch in corn industries recording viscometer. Analyt. Chem. 25:314-317. Feb.1953. 381 J825A
Viscosity measurement in potato starch pastes.

47716 DZAMIĆ, M. Contribution á l'étude de la dynamique de quantité de matières pectiques dans les fruits. I. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:251-267. Ref. 1952. 106.6 B41
French summary.

47717 HARVEY, E. M., and others. Terminal market storage tests on California lemons, 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 284,15 p. Nov.20,1952. 1.9 P772Ht
B. A. Friedman, E. P. Atrops, W. A. Radspinner, J. H. Scanlon, and M. Bunda, joint authors.

47718 HULME, A. C. The isolation of chlorogenic acid from the apple fruit. Biochem. J. 53:337-340. Ref. Feb.1953. 382 B52

47719 KESTERSON, J. W., and HENDRICKSON, R. Naringin, a bitter principle of grapefruit; occurrence, properties and possible utilization. Fla. Agr. Expt. Sta. B. 511,35 p. Ref. Jan.1953. 100 F66S

47720 MARCELLIN, P., and RANTZ, J. Calcul de la surface des pommes et des poires en vue d'études comparatives sur les échanges gazeux. Fruits 8:11-16. Jan.1953. 80 F9492

47721 MARKH, A. T., and BONEVA, L. A. Analysis of colloids in grape juice. (In Russian.) Vinodel. i Vinograd. 12(9):14-17. Sept.1952. 95.8 V77

47722 MEYER, K. H., and SETTELE, W. Recherches sur l'amidon 52. Sur l'inhomogénéité des amylopectines de tapioca et de waxy maize. Helvet. Chim. Acta 36:197-204. 1953. 385 H36
Ehglisn summary.

47723 OOMIYA, M. Varieties of blanched sweet-potatoes and their saccharification degree. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:193-194. 1952. 389.9 J27

47724 PEDERSON, C. S., ROBINSON, W. B., and SHAULIS, N. Opalescent juice from white grapes. Farm Res. [N. Y. Sta.] 19:3. Jan.1953. 100 N48A
Analysis and composition.

47725 PROSZT, G. Investigation of the colour of sweet-pepper and its capacity to take on various colours. (In Hungarian.) Elelmezési Ipar 7:11-13. Jan.1953. 390.9 M57
English summary, back cover.

47726 YAMAMURA, E., and KONO, T. Study on the estimation of anhydrous matter in sweet potato by a simple and rapid specific gravity method. (In Japanese.) Kyushu Noji Shikenjo 10:57-60. Sept.1952. 107.6 K996

Consumption and Utilization

47727 HADDOCK, D., and HERNANDEZ, L. Consumer preferences for taniers (Xanthosoma spp.) in Puerto Rico 1949-1950. P. R. (Rio Piedras) Agr. Expt. Sta. B. 103,31 p. Apr.1952. 100 P83

47728 HOOS, S., and BOLES, J. N. Oranges and orange products; changing economic relationships. Calif. Agr. Expt. Sta. B. 731,68 p. Jan.1953. 100 C12S
Demand characteristics and changes in marketing.

47729 KIMMEL, D. C. Use of citrus products in Meridian, Mississippi, households, spring of 1951. Fla. Agr. Expt. Sta. B. 509,56 p. Ref. Dec.1952. 100 F66S

47730 LONGSHOLM, F. Are green apples modern? (In Danish.) Erhvervsfrugtavleren 19:110-111. Feb.1, 1953. 80 Er3
Consumer preferences.

47731 RHODES, N. Competition. For Sale, Want & Exch. B. 7(10):1,4. Mar.16,1953. 280.38 F74
Consumption of various types of vegetables.

47732 SCOTT, R. C. What the consumer wants in the potatoes she buys. Ohio Veg. & Potato Growers Assoc. Proc. 37:86-93. 1952. 75.9 Oh3

Distribution, Marketing, and Transportation

47733 ANGIER, H. Our markets must be expanded. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:184-186. 1953. 280.3939 Un3
Fruit and vegetables.

47734 ARMSTRONG, P. S. The price of the future? Selling the facts about freshness is the only way it can be paid! An analysis of the competitive situation. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:90-92. 1953. 280.3939 Un3
Fresh fruit and vegetables.

47735 BASGIEX, M. Activités syndicales des commerçants en pommes et en poires. Fruits et Leurs Dérivés 21:10. 1952. 389.68 J98
France.

47736 BEMIS, K. P. Our markets, our research and our sales of potatoes. Amer. Potato J. 30:15-19. Jan. 1953. 75.8 P842

47737 BEMIS, K. P. Why do they belong to United's Potato Division? United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:171-172. 1953. 280.3939 Un3

47738 BENZ, R. G. Washington apples in a changing market. Wash. State Hort. Assoc. Proc. 48:61-68. 1952. 81 W273

47739 BRESSLER, R. G., and FRENCH, B. C. Efficiency in fruit marketing; accounting for fruit by separate-lot system studied in sample apple, pear packing and olive processing plants. 8. Calif. Agr. [Calif. Sta.] 7(2):13-15. Feb.1953. 100 C12Cag

47740 BROWN, R. N. Merchandising pioneering. Wash. State Hort. Assoc. Proc. 48:47-48,50-55. 1952. 81 W273
Fruit.

47741 BRYANT, H. E. The next step shippers can also profit by UMI's [United Merchandising Institute] merchandising program. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:115. 1953. 280.3939 Un3
Fruit and vegetables.

47742 CALIFORNIA FRUIT EXCHANGE. Fifty-second annual meeting and report. Blue Anchor 30:7-17. Feb.1953. 286.83 B62

47743 CONIX, A. Marketing of our fruit in future years. II. (In Flemish.) Tuinbouwberichten 17:1-3. Jan. 15,1953. 80 T817

47744 DETTMER, F. Wirtschaftliche und soziale auswirkungen der absatzkrise bei obst. Landpost der Niederelbe 7(8):2-3. Feb.27,1953. 18 L2348
Germany.

47745 DEVE, F. Ce qu'il faut savoir du problème bananier; le froid y joue un rôle essentiel. Rev. Prat. du Froid 8(4):18-23. (Cont.) Jan.1953. 295.8 R323
During transportation.

47746 DEVE, F. Ce qu'il faut savoir du problème bananier; le froid y joue un rôle essentiel. Rev. Prat. du Froid 8(5):43-46. (Cont.) Feb.1953. 295.8 R323
Shipping.

47747 DICKMAN, P. B. The effect of inflation on vegetable marketing. (Excerpts.) Natl. Assoc. Mktg. Off. Rpt. 33:39-41. 1952. 280.39 N213P
Includes discussion.

47748 DOMINICK, B. A. How to sell more apples. East. Fruit Grower 15(12):14,18-19,21-23. Feb.1953. 80 Ea73

47749 DOMINICK, B. A. How to sell more apples. Mountaineer Grower 23(195):31,33-35,37. Feb.1953. 80 M86

47750 EICHHOLTZ, F. E. The organisation of refrigerated railway traffic in Europe. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:100-104. Feb. 1953. 86 N384
English summary.
Transportation of fruit and vegetables.

47751 FLINOIS, A. La chaîne du froid et les fruits et primeurs d'Afrique du Nord. Marchés Colon. du Monde 9:715-717. Mar.7,1953. 286.8 M33
Transportation refrigeration.

47752 GARDNER, A. K. UMI [United Merchandising Institute] helps the Maine potato industry. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:146. 1953. 280.3939 Un3

47753 HIELE, T. VAN. The technical equipment of refrigerated rail-transport. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:92-100. Feb.1953. 86 N384
English summary.
Of fruit and vegetables.

47754 HOWATT, F. Rails flayed on methods, policies. West. Grower & Shipper 24(4):37-38. Mar.1953. 280.38 W52
Transportation of perishables by railroad.

47755 HUTCHINSON, C. F. Planning and results. Cranberry World 6(10):13-14. Feb.1953. 280.28 C85
Advertising.

47756 IMMING, B. J. Figuring UMI [United Merchandising Institute], plain and fancy or three million dollars' worth of merchandising, guaranteed! United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:150-152. 1953. 280.3939 Un3
Fruit and vegetable marketing.

47757 JOHNSON, D. B. Marketing charges for oranges sold in Pittsburgh and Cleveland, 1949-50 season. U. S. D. A. Mktg. Res. Rpt. 27,40 p. Jan.1953. 1 Ag84Mr

47758 KATHE, R. How can we sell greenhouse vegetables? (Sum.) Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:106-108. 1952. 75.9 Oh3
Summary of Panel Discussion.

47759 KITCHEN, C. W. Significant trends in the marketing of fresh fruits and vegetables call for industry wide research. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:24-25. 1953. 280.3939 Un3

47760 KNUDSON, J. K. National survey fresh vegetable transportation. (Sum.) Veg. Growers Assoc. Amer. Annu. Rpt. 44:29-36. 1952. 81 V52

47761 LAPPE, K. H. Die obst- und gemüsemärkte im jahre 1952. Obst u. Gemüse 5:54. Jan.22,1953. 286.83 Ob72
Germany.

47762 NATIONAL ASSOCIATION OF PRODUCE MARKET MANAGERS. Proceedings of the sixth annual conference held at Columbia, South Carolina, April 3, 4, 5, 1952. n.p.,1952. 20 p. 280.3939 N212

47763 NORMAND. Les centrales italiennes de fruits et légumes. France. Min. de l'Agr. Rev. Études & Monog. 79:265-268. Feb.1953. 281.8 F84

47764 NORMAND. Le Service des Nouvelles du Marché des Fruits et Légumes. Coopération 23:24-25. Feb.1953. 280.28 C7845
Inaugurated at Lyons by the French Ministry of Agriculture.

47765 PARTRIDGE, R. G. Possible ways to increase the basic underlying demand for apples. Wash. State Hort. Assoc. Proc. 48:17-18. 1952. 81 W273

47766 PEARCE, C. C. Merchandising should begin at home! United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:166-167. 1953. 280.3939 Un3
Fruit and vegetables.

47767 PLASSE, J. J. VAN D. Fruit culture in 1952. (In Dutch.) Betuws Tuinbouwbl. 10(23):4-5. Feb.7,1953. 80 B464
Marketing.

47768 RION, K. E. Shipping potatoes for chips. Potato Chipper 12(8):26,28,30. Mar.1953. 75.8 P844

47769 ROSS-HUME, P. G., and MOUNT, H. Why there must not be an Apple Board. Com. Grower 2982: 359-363. Feb.19,1953. 80 F941
Dangers and defects of the Apple and Pear Marketing Scheme.

47770 SCOTT, R. C., and LEED, T. W. Marketing apples through retail stores in Cleveland and the Canton-Youngstown area. Ohio. Agr. Expt. Sta. Res. B. 719,31 p. Feb.1953. 100 Oh3S

47771 SCOTT, R. C., and others. Solving some of the complexities of marketing Ohio vegetables. (Sum.) Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:127-128. 1952. 75.9 Oh3
W. Mulligan, P. Fehr, R. De Vol, A. L. Smith, L. Bettinger, joint authors.

47772 SEALS, D. Transportation—1952. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:205-208. 1953. 280.3939 Un3
Fruit and vegetables.

47773 SHEPHERD, D. A. S O D A P. Countryman [Nicosia] 6(11):10-15. Nov.1952. 25 C83
Organization and operation of the Vine Products Cooperative Marketing Union of Cyprus.

47774 SHIELDS, F. W. Sweeping effect of "marketing revolution." East. Fruit Grower 15(12):5,25,29. Feb.1953. 80 Ea73

47775 SMITH, S. R. What is the key to marketing fresh fruits and vegetables effectively? United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:128-130. 1953. 280.3939 Un3

47776 SMITH, W. L., and HALLER, M. H. Hartman wraps will control rot in peaches. Better Fruit 47(9): 18-22. Mar.1953. 80 B46
Control during shipping and marketing.

47777 SMITH, W. L., and HALLER, M. H. Post-harvest decay control of peaches in 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 273, 12 p. Jan.1953. 1.9 P772Ht
Decay due to Monilinia fructicola which develops during shipping and marketing.

47778 SORENSEN, H. B. Marketing practices of East Texas tomato growers. Tex. Agr. Expt. Sta. Prog. Rpt. 1525,6 p. Jan.6,1953. 100 T31P

47779 STOKES, D. How to market "Thompsons." Mktg. Activ. 16:14-15. Jan.1953. 1.942 A8M34
Thompson Seedless grapes.

47780 SUMMERS, W. The United Service Wholesalers Division. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:178-179. 1953. 280.3939 Un3

47781 THOMPSON, H. Cowiche Growers' resolution regarding increased funds for apple advertising. Wash. State Hort. Assoc. Proc. 48:69-71. 1952. 81 W273

47782 TREBIN, N. J. Planned sales development of winter pears. Wash. State Hort. Assoc. Proc. 48:179-182. 1952. 81 W273

47783 TUKER, G. For the Scheme; why there must be an Apple Board. Com. Grower 2981:305-306. Feb. 12,1953. 80 F941
Great Britain.

47784 U. S. BUR. OF AGRICULTURAL ECONOMICS. Changes in the marketing pattern of Florida fresh oranges between prewar and postwar periods, by W. S. Hoffnagle. Washington,1952. 22 p. 1.941 M3C36

47785 U. S. BUR. OF AGRICULTURAL ECONOMICS. Snap bean marketing practices among Negro farmers in Louisiana, 1951 spring season, by F. C. Temple. Washington,1953. 35 p. 1.941 M3Sn1

47786 U. S. PRODUCTION AND MARKETING ADMIN. Data relating to the marketing of California-Arizona oranges, seasons 1933-34 to 1950-51. Washington,1953. 32 p. 1.956 F94D26

47787 WEBB, R. D. Crossing the Rubicon; some pertinent observations on the A & P scheme. Com. Grower 2981:302-304. Feb.12,1953. 80 F941
Apple and Pear Marketing Scheme.

47788 WEBSTER, L. A. Retail sales on farms. New Eng. Grocery & Mkt. Mag. 21(5):10. Mar.1953. 286.83 N44A
Fruit.

47789 WILDEMAN, H. A. Groupement national des commerçants en pommes de terre de Belgique; l'organisation européenne du commerce de gros des pommes de terre. Navet 9(2):5-6. (Cont.) Feb.10,1953. 286.83 N22

47790 YNGBORN, Y. How is Swedish fruit sold? (In Swedish.) Sveriges Pomol. För. Fruktodlaren 23:158-160. 1952. 86 Sv2F

Grading, Inspection, Standardization, and Quality

47791 AAREKOL, O., and HOPLAND, O. The standard sorting of fruit. (In Norwegian.) Gartneryrket 43:20-21. Jan.10,1953. 80 G1938

47792 ASSOCIATION FRANÇAISE DE LA NORMALISATION. Normes françaises: Jus de pommes [et pommes de table]. Fruits et Leurs Dérivés 21:33-35. 1952. 389.68 J98

47793 BEDFORD, C. L., and ROBERTSON, W. F. Effect of spray materials on the quality of canned and frozen Montmorency cherries. Food Technol. 7:142-144. Mar.1953. 389.8 F7398

47794 COBB, J. S. Potato quality associated with variety and maturity. Pa. Agr. Expt. Sta. B. 540(sup.3):9-10. June 1952. 100 P381

47795 CUTRIGHT, C. R. Do sprays affect fruit flavor? Amer. Fruit Grower 73(3):37,41. Mar.1953. 80 G85

47796 ESTY, J. R. Residual effect of new insecticides on cannery fruits and vegetables. Wash. State Hort. Assoc. Proc. 48:19-24. 1952. 81 W273

47797 FENN, L. S. Determining the quality of frozen lima beans. Canner 116(11):10-11. Mar.14,1953. 286.83 C16

47798 GILPIN, G. L., and GEISSENHAINER, E. L. Flavor of sweet potatoes as affected by certain agricultural chemicals used as insecticides. Food Technol. 7: 137-138. Mar.1953. 389.8 F7398

47799 HANSEN, K. Prøve med kartoffelsorterere [Testing potato sorting equipment]. Denmark. Stat. Redskudv. Stat. Redskprøver. Beret. 112,57 p. 1952. 58.9 D41

47800 JAMESON, H. R., and PEACOCK, F. C. Taint in potatoes grown on land treated with technical γ-benzene hexachloride or pure γ-benzene hexachloride. J. Sci. Food & Agr. 4:102-104. Feb.1953. 382 So12

47801 KIRCHNER, J. G. What gives flavor to fruits? (In Portuguese.) Fazenda 48(2):34-35,46,58. Feb.1953. 6 H11P

47802 KIRKPATRICK, M. E. Cooking quality of potatoes: its evaluation and relationship to potato characteristics. (Abs.) Amer. Potato J. 30:52-53. Feb.1953. 75.8 P842

47803 KLUGE, T. O. Handsorting experiences suggest need for changes. Sunsweet Standard 36(9):2-3. Feb.1953. 286.83 Su7
Prunes.

47804 MERTENS, W. Die kartoffelsortierung und geräte dazu. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:7-10. 1952. 18 K96

47805 MYKLEBUST, E. Rules for sorting vegetables. (In Norwegian.) Gartneryrket 43:106-107. Feb.7,1953. 80 G1938

47806 NAVELLIER, E. L'étiquetage des produits alimentaires conditionnés fabriqués à base de fruits. Fruits 8:68-77. Feb.1953. 80 F9492

47807 PEPPER, B. B. The possible effects of insecticides on the flavor and quality of vegetables. N. J. State Hort. Soc. Hort. News 34:2602,2617. Feb.1953. 81 N46

47808 POWERS, J. B., GUNN, J. T., and JACOB, F. C. Electronic color sorting of fruits and vegetables. Agr. Engin. 34:149-154,158. Mar.1953. 58.8 Ag83

47809 REBOUR, H. L'irritante question des normes de maturité des agrumes. Fruits et Primeurs de l'Afrique du Nord 22:479-480. Dec.1952. 80 F9482

47810 SCHUCH, K. Uber die schädigung von lagerndem obst durch ein bifluoridhaltiges holzschutzmittel. Nachrbl. des Deut. Pflanzenschutzdienstes 4:136-137. Sept.1952. 442.9 B832

47811 U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for Florida tangerines. Washington,1952. 11 p. 1.956 A2Un3246

47812 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned carrots. Washington,1953. 12 p. 1.9 Ec792Car
Supersedes standards in effect since Aug. 27, 1949.

47813 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned green beans and canned wax beans. Washington,1953. 16 p. 1.956 A2Un328
Supersedes standards in effect since July 16, 1951.

47814 U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for mustard greens and turnip greens. Washington,1953. 3 p. 1.9 Ec74Mg

47815 U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for pineapples. Washington,1953. 3 p. 1.956 A2Un3245
Supersede standards issued Dec. 4, 1931 and Oct. 27, 1931.

47816 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for shelled pecans. Washington, 1952. 11 p. 1.9 Ec74Pecs

Packing and Packaging

47817 CAROLUS, R. L., LIPTON, W. J., and APPLE, S. B. Effect of packaging on quality and market acceptability of asparagus. Mich. Agr. Expt. Sta. Q. B. 35:330-342. Feb.1953. 100 M58S

47818 "CELLO-pack" carrot a misnomer but certainly not a myth, the packer finds in national staff survey. I. Consumer bagged carrots—how did it all start? Packer 49(13):1,10. Feb.28,1953. 286.8 M483

47819 COWAN, J. M. Turning an idea into action. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:72-73. 1953. 280.3939 Un3
Packaging of fruit and vegetables.

47820 DOBBIN, J. H. Shipping containers and merchandising. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:160-161. 1953. 280.3939 Un3
Fruit and vegetables.

47821 FRENCH, B. C. Efficiency in fruit marketing. VII: Costs of lidding packed fruit boxes influenced by type of equipment, size of plant, length of season. Calif. Agr. [Calif. Sta.] 7:10-12. Jan.1953. 100 C12Cag

47822 HAWES, R. L., MCGAHA, M. E., and STOKES, D. R. Prepackaging Thompson Seedless grapes. Pre-Pack-Age 6(6):11-14. Ref. Feb.1953. 280.38 P91

47823 HAWTHORNE, P. L. Peach packaging cost studies. Pre-Pack-Age 6(6):16. Feb.1953. 280.38 P91

47824 MCCLEARY, H. R. Produce pre-packaging simplified. IGA Grocergram 26(10):37-44. Oct.1952. 286.28 In2

47825 SAMMET, L. L., and DAVIS, I. F. Building and equipment costs, apple and pear packing. Giannini Found. Agr. Econ. Mimeog. Rpt. 141,38 p. Dec.1952. 281.9 G34M
Fifth report in a series on efficiency in fruit marketing.

47826 SAMMET, L. L. In-plant transportation costs as related to materials handling methods—apple and pear packing. Giannini Found. Agr. Econ. Mimeog. Rpt. 142,57 p. Jan.1953. 281.9 G34M
Sixth report in a series on efficiency in fruit marketing.

47827 SORENSEN, H. B. Packing East Texas tomatoes for shipment, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1530,4 p. Jan.21,1953. 100 T31P

47828 U. S. PRODUCTION AND MARKETING ADMIN. Prepackaging Thompson Seedless grapes in cellophane bags in retail stores, by R. L. Hawes, M. E. McGaha, and D. R. Stokes. Washington,1953. 8 p. 1.956 F94P91

Prices, Price Control, and Rationing

47829 DOANE AGRICULTURAL SERV. Potato price outlook is downward. Farm Mangt. 2(4):22-23. Mar. 1953. 281.8 F2225

47830 HEITMANN, W. Fallende kartoffelpreise—höhere qualitätsansprüche. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:853. May 29,1952. 18 L2346

47831 SAITO, K. Regional and structural differences of fruits and vegetables prices. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):39-94. Oct.1952. 22.5 N687
Japan.

47832 SHWEDER, J. Fruit prices and fruit trade. (In Norwegian.) Gartneryrket 43:22. Jan.10,1953. 80 G1938

47833 STIER, H. L. How do canning crop prices compare with prices of competing crops? (Excerpts.) Canning Trade 75(34):48-50. Mar.9,1953. 286.83 T67
Fruit and vegetables.

Processing and Storage

47834 AKAI, S., and KONO, M. Inquiry and prevention of rottenness of vegetables in Kyoto market. (In Japanese.) Jap. J. Plant Protect. 41:403-407. Nov.1952. 421 J27

47835 AUSTIN, C. P. More profit through research. Ice & Refrig. 124(3):41-43. Mar.1953. 295.8 Ic2
Icing of vegetables and poultry.

47836 AYCOCK, R., and others. Relation of temperature to internal cork development in stored sweet potato roots. Phytopathology 43:50-51. Jan.1953. 464.8 P56
J. S. Cooley, M. B. Hughes, and W. L. Smith, joint authors.

47837 BALDASSARI, T. Farm storage of fruit. (In Italian.) Agr. Ferrarese 56:201-202. Sept.30,1952. 16 Ag87

47838 BEKETOVSKIĬ, S. N. Experiment in using acetylene for ripening tomatoes. (In Russian.) Dostizheniĭa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:83-84. Oct.1952. 20 D742

47839 BOWEN, J. F., STRACHAN, C. C., and DAVIS, C. W. Effect of preservatives on fermentation spoilage in pickled cherries. Food Technol. 7(3):102-105. Ref. Mar.1953. 389.8 F7398

47840 BOYD, J. S., and DAVIS, J. F. Mechanical handling and bulk storage of onions. Mich. Agr. Expt. Sta. Q. B. 35:279-287. Feb.1953. 100 M58S

47841 BOZZI, L. The production of dried bananas (advice to farmers of Somaliland). (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:285-299. Oct./Dec.1952. 26 Ag82
English summary.

47842 BURGER, J. Cassava processing. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(9):72-76. Sept.1952. 9.? M663

47843 BURKHART, L. Vacuum cooling Arizona lettuce. West. Grower & Shipper 24(4):20-22. Mar.1953. 280.38 W52

47844 CRNCEVIC, V., and others. Changes of content in potatoes during chemical peeling. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:95-107. 1952. 106.6 B41
V. Dumović, M. Novićević, and M. Todorović, joint authors.
English summary.

47845 CROSMAN, R. Freezing french fries. Locker Plants & Frosted Foods 8:15-16. Feb.1953. 389.8 L792

47846 CRUESS, W. V. Frozen prune juice concentrate. Quick Frozen Foods 15(8):208,210. Mar.1953. 389.8 Q4

47847 CULTRERA, R. Production and preservation of citrus juices. (In Italian.) Indus. Ital. delle Conserve 27:122-124,129-133. Ref. July/Aug.1952. 389.8 In23

47848 CUNNINGHAM, H. S. A histological study of the influence of sprout inhibitors on Fusarium infection of potato tubers. Phytopathology 43:95-98. Feb.1953. 464.8 P56
In storage.

47849 DAWSON, E. H., and others. Canning snap beans: precooked and raw pack. J. Home Econ. 45:165-168. Mar.1953. 321.8 J82
G. L. Gilpin, H. W. Warren, and E. W. Toepfer, joint authors.

47850 DREPIN, P. S., and STREKOLOVSKII, F. P. Ripening and storage of cabbage under winter conditions. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:95. Sept.1952. 20 D742

47851 DUROCHER, J., and LAGNEAU, C. Sur les inconvénients que peuvent présenter en conserverie les résidus de certains produits anticryptogamiques ayant été utilisés pour le traitement des fruits. Acad. d'Agr. de France. Compt. Rend. 38:731-735. Dec.3/17,1952. 14 P215Bc

47852 EDGAR, A. D. New developments in potato storage. Potato Chipper 12(8):32,34,36. Mar.1953. 75.8 P844

47853 ELLISON, J. H., and CUNNINGHAM, H. S. Effect of sprout inhibitors on the incidence of Fusarium dry rot and sprouting of potato tubers. Amer. Potato J. 30:10-14. Jan.1953. 75.8 P842
In storage.

47854 FABIAN, F. W., and PIVNICK, H. Corn syrup wins place as pickle sweetener. Food Engin. 25(3):97-98, 138,140. Mar.1953. 389.8 F737

47855 FOLSOM, D., and others. Effect of storage and railroad transit on potato diseases, injuries, and shrinkage. Maine. Agr. Expt. Sta. B. 507,28 p. Ref. Dec.1952. 100 M28S
H. Q. Roach, J. S. Wiant, and J. Kaufman, joint authors.

47856 FRATT, R. What's happening to our fruit shelves? Wash. State Hort. Assoc. Proc. 48:221-226. 1952. 81 W273
Processing.

47857 FRIEDMAN, B. A., and FOLSOM, D. Storage behavior of Kennebec potatoes infected by Verticillium albo-atrum. (Abs.) Phytopathology 43:108. Feb.1953. 464.8 P56

47858 GORANSSON, T. Fruit storage in Sweden. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 23:156-158. 1952. 86 Sv2F

47859 HALL, R. C. Better potato dehydrating by slow freezing. Food Engin. 25(3):90-91,150,152. Mar.1953. 389.8 F737

47860 HARDING, P. L., and others. The effect of prestorage treatments and storage temperatures on the keeping quality of Florida grapefruit at Orlando, Florida, and New York City, N. Y., 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 285,28 p. Dec. 1952. 1.9 P772Ht
B. A. Friedman, M. B. Sunday, J. Kaufman, and H. W. Hruschka, joint authors.

47861 HAYNES, R. D., and others. Detergents effective in removing mold from fruit. Food Engin. 25(3):87, 150. Mar.1953. 389.8 F737
H. Harlin, J. O. Mundt, and R. Stokes, joint authors.

47862 HECHELMANN, H. Das einmieten der kartoffeln. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:11-12. 1952. 18 K96

47863 JANY, W. Sind die kartoffelverarbeitenden gewerbe überflüssig? Deut. Landwirt.-Gesell. Mitt. 68: 201-202. Feb.26,1953. 18 N39

47864 KEDENBURG, F. This improved CO_2 control cuts apple storage costs. Food Engin. 25(3):126-127. Mar.1953. 389.8 F737

47865 KLOEPPEL, R. Vorzüge des kartoffellagerhauses. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:19-21. 1952. 18 K96

47866 KUENEMAN, R. W. The sterilmatic process for cream style corn. Canning Trade 75(34):18-20,22. Mar.9,1953. 286.83 T67

47867 KURANO, H. Effect of some new antiseptics to storage of orange. (In Japanese.) Jap. J. Plant Protect. 41:408-410. Ref. Nov.1952. 421 J27
Fungus control.

47868 LE ROUX, J. J. S. The production of dried fruits. (In Afrikaans.) Landbouweekblad 34(1747):14-15. Jan.7,1953. 24 L232

47869 LINDQUIST, F. E. Modified techniques aid quality. Quick Frozen Foods 15(8):169. Mar.1953. 389.8 Q4
Of frozen vegetables.

47870 LLAVERIA B., M. Conservación de papas con productos químicos. Vida Agr. [Lima] 29:1125,1127,1129, 1131,1133-1134. Dec.1952. 9.8 V66

47871 MARIEN, A. Tests in storing "Eersteling." (In Flemish.) Tuinbouwberichten 17:18-20. Feb.15,1953. 80 T817

47872 MISCHLING, F. Kartoffellagerung. Bauer 6(3):9-11. Jan.17,1953. 19 B32

47873 MITCHELL, R. D. B. Experiments in the use of gas in the storage of apples. Fruits et Leurs Dérivés 21:23-24. 1952. 389.68 J98
In Australia.

47874 MONZINI, A. Tachipessi applied to conservation of strawberries. (In Italian.) Ann. della Sper. Agr. (n.s.)7:89-95. 1953. 16 An76
English summary.

47875 MOYER, J. C., and others. Effect of blanching and subsequent holding on some chemical constituents and enzyme activities in peas, snap beans, and lima beans. N. Y. (State) Agr. Expt. Sta. B. 754,33 p. Ref. Oct.1952. 100 N48
W. B. Robinson, E. H. Stotz, and Z. I. Kertesz, joint authors.

47876 PANEL discussion on procuring, shipping and storing potatoes for chips. Potato Chipper 12(8):20-23. Mar.1953. 75.8 P844
Led by Dr. Ora Smith.

47877 PANJAN, M. Die hemmung der kartoffelkeimung. (In Serbo-Croatian.) Biljna Proizvodnja 5: 237-242. Sept./Oct.1952. 64.8 B49
German Summary.

47878 PERRY, A. L. Commercial washing of Maine potatoes. Maine. Agr. Expt. Sta. B. 509,19 p. Jan.1953. 100 M28S

47879 PHILLIPS, W. R. Potato storage. Canada. Dept. Agr. P. 882,21 p. Dec.1952. 7 C16Pu
Appendix by N. M. Parks.

47880 POLLARD, A. The aromatic components of the apple. Fruits et Leurs Dérivés 21:32. 1952. 389.68 389.68 J98

47881 PRESLEY, J. E. Twenty-five thousand miles of consultation. United Fresh Fruit & Veg. Assoc. Annu. Conv. 49:196-198. 1953. 280.3939 Un3
Warehouse construction for fruit and vegetables.

47882 REBOUR, H. Enseignements à tirer de la campagne de déverdissage des agrumes. Fruits et Primeurs de l'Afrique du Nord 22:425-426. Nov.1952. 80 F9482

47883 REYNOLDS, H. J. Stop-mold controls decay in packed fruit. Down Earth 8(4):8-9. Spring 1953. 381 D75

47884 RUMORA, LJ. Die aufbewahrung und die erhaltung der marasken-früchte und deren safte (Visnjak). (In Serbo-Croatian.) Biljna Proizvodnja 5:272-282. Nov./Dec.1952. 64.8 B49
German summary.

47885 SCHMIDT, F. Gesunde saatkartoffeln! Eine vorbildliche uberwinterungsanlage. Bad. Landwirt. Wchnbl. 120:227-228. Mar.7,1953. 18 B142

47886 SCHREIBER, W. R. 1952 world dried fig pack below average. Calif. Fruit News 127(3374):5,8-10. Mar.7,1953. 80 C12

47887 SISAKIAN, N. M., BRONOVITSKAIA, Z. S., and DEMIANOVSKAIA, N. S. On the stability of vitamin C in dry vegetables and potatoes during storage. (In Russian.) Biokhimiîa 17:701-705. Ref. Nov./Dec.1952. 385 B523

47888 SOLIMAN, A. A. Leafroll of potatoes as a storage problem. Amer. Potato J. 30:35-45. Feb.1953. 75.8 P842

47889 SOMMERFELDT, M. Ist Biosmon ein frischhaltemittel? Früchte u. Gemüse Markt 5:126-127. Jan. 23,1953. 286.83 F9425
For fruit and vegetables.

47890 STEPHAN, F., and KOLL, F. Obstlagerkeller. Bauer 6(9):8-11. Feb.28,1953. 19 B32

47891 STIER, E. F. The changes in pectic substances of tomatoes during storage. (Abs.) J. Home Econ. 45: 210. Mar.1953. 321.8 J82

47892 STRASHUN, S. I., and TALBURT, W. F. WRRL develops techniques for making puffed powder from juice. Food Engin. 25(3):59-60. Mar.1953. 389.8 F737
Production of powders from fruit and vegetable juices.

47893 TEJO, J. L. Processing of fruits and vegetables. (In Portuguese.) Rev. de Quim. Indus. 21(244):23-25. Aug.1952. 385 R324

47894 TREADWAY, R. H. Progress report on compressed potato chip products. Potato Chipper 12(8):38. Mar.1953. 75.8 P844

47895 TROUT, S. A., HALL, E. G., and SYKES, S. M. Effects of skin coatings on the behaviour of apples in storage. Austral. J. Agr. Res. 4:57-81. Ref. Jan. 1953. 23 Au783

47896 VAN DOREN, A. The storage of Golden Delicious and Red Delicious apples in modified atmospheres. Wash. State Hort. Assoc. Proc. 48:91-93,95. 1952. 81 W273

47897 VAN WORMER, P. How mechanization pays off. Big Y B. 26:6-8. Feb.1953. 286.83 B48
Costs in use of fruit handling equipment.

47898 WADE, E. K. Storage rots and disorders in potatoes. 2. Badger Common Tater 6(2):8-11. Feb.1953. 75.8 B14

47899 WAGNER, J. R. Growth of the Armed Forces research and development program on dehydrated fruits and vegetables. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 4:278-283. Fourth Q.1952. 389.9 As74A

47900 WALTER, L. Instrumentation for refrigerated gas storage. Food Canada 13(2):14,16,18. Feb.1953. 389.8 F7323
Of fruits and meats.

47901 WEIX, L. J. Aseptic canning of cream style corn. Canning Trade 75(34):24-26. Mar.9,1953. 286.83 T67

47902 ZECHA. Richtlinien für die einlagerung und behandlung des winterobstes. Obst u. Gartbau. 7:182-183. (Concl.) Dec.1952. 80 Ob75

Statistics

47903 DASSLER, E. Apfelsinen-saison nach halbzeit: Spanien führt. Früchte u. Gemüse Markt 5:404-405. Mar.13,1953. 286.83 F9425
Production statistics for European countries.

47904 HARRIS, R. W. Trees per bushel or bushels per tree? Com. Grower 2981:299-300. Feb.12,1953. 80 F941
Apples.

47905 HAWAII. UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1952 Honolulu unloads of fruits, vegetables, and livestock products. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 14,25 p. Feb.1953. 275.29 H312Ae

47906 HEINICKE, A. J. Can the Northwest compete with the East in producing apples? Wash. State Hort. Assoc. Proc. 48:7-15. 1952. 81 W273
Yields.

47907 HELLER, F. Die bayerische obsternte 1952. Bayern in Zahlen 7:8-10. Jan.1953. 265 B34

47908 HOLMES, I. How the U.S.D.A. estimates production of vegetables for commercial processing. (Excerpts.) Canning Trade 75(34):64-66. Mar.9,1953. 286.83 T67

47909 HOOS, S., and BOLES, J. N. Oranges and orange products; changing economic relationships. Calif. Agr. Expt. Sta. B. 731(statis. sup.),70 p. Sept.1952. 100 C12S
Statistics.

47910 ILLNER, F. Die hackfruchternte 1952. Bayern in Zahlen 7:11-12. Jan.1953. 265 B34

47911 KEMMERS. Fruit production. (In Dutch.) Fruitteelt 43:146-148. Feb.14,1953. 86 N28
Statistical.

47912 MULLER, O. Obligatorische weinerntedeklaration 1952. Schweiz. Z. f. Obst- u. Weinbau 62:44-46. Feb.7,1953. 80 Sch9

47913 READ, F. M. A census of Goulburn Valley canning fruit trees. Victoria. Dept. Agr. J. 50:531-538, 572-576. Dec.1952. 23 V66J

47914 U. S. BUR. OF AGRICULTURAL ECONOMICS. Commercial vegetable reports (formerly entitled commercial truck crop reports); 1953. release dates. Washington,1952. 7 p. 1.941 S8C73

47915 U. S. BUR. OF AGRICULTURAL ECONOMICS. 1952 annual summary, vegetables for commercial processing; acreage, production and value, by States, with comparisons. Washington,1952. 17 p. 1.941 M8C73

47916 U. S. PRODUCTION AND MARKETING ADMIN. Deciduous fruits. Washington,1952. 8 p. 1.956 F94D352
Production and disposition statistics.

47917 VALLS FONTANET, J. La cosecha de uva del presente año y otras cosas. Semana Vitivinic. 7(338):3,6. (Cont.) Dec.20,1952. 95.8 Se5

GRAIN AND GRAIN PRODUCTS

47918 ALBERTARIO, P. Old and new aspects of our grain policy. (In Italian.) Italia Agr. 90:3-17. Jan.1953. 16 It1

47919 ALDRED, F. L., and KRAMER, H. A. Commercial rice drier studies. Tex. Agr. Expt. Sta. Prog. Rpt. 1939,3 p. Jan.30,1953. 100 T31P

47920 ANTONIETTI, A. Grain market organization in the United States of America. (In Italian.) Riv. di Econ. Agr. 7:487-494. July/Dec.1952. 281.8 R52

47921 ARMEL, G. Lo que le falta a los arroceros. Rev. Agr. y Ganad. 13(154):21-22. Nov.1952. 9.4 R327
Colombia.

47922 AUBURN, J. E. Taiwan wheat and wheat flour requirements. Chin.-Amer. Econ. Coop. 1(12):25-30. Dec.1952. 173.2 M98C

47923 BISERTE, G., and SCRIBAN, R. Die polypeptide der gerste, der würze und des bieres. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:139-140. Nov./Dec.1952. 390.08 V67

47924 BISERTE, G., and SCRIBAN, R. Les polypeptides de l'orge, du moût et de la biere. (Sum.) Meun. Franç. 75:29. Dec.1952. 298.8 M57

47925 BRANDÃO, J. S. Why we should plant more wheat. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(8):69-70. Aug.1952. 9.2 M663

47926 BRANDSMA, J. S. The utilisation of Dutch spring barley in the brewing and malting industry. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:67-71. 1953. 390.9 N21

47927 BRIESKORN, H. Gute reinigung ist vorbedingung für gute roggenmehle. Müllerei 6:123-124. Feb. 28,1953. 298.8 M91

47928 BROWN, R. H. Price outlook affected by Washington. (Excerpts.) Grain & Feed J. Consolidated 110(5):9-10. Mar.11,1953. 298.8 G762
Wheat.

47929 BRUYNE, L. DE. Evolution de la construction et de la technique meunière en ces dernières années. (Sum.) Meun. Franç. 75:24. Dec.1952. 298.8 M57

47930 BURNS, I. G., and GRANT, J. Potentialities of straw and esparto. Brit. Paper & Bd. Makers' Assoc. Tech. Sect. Proc. 33:305-320. May 1952. 302.9 P193
Includes discussion.

47931 CALIMERI, M. Wheat in the Italian economy (In Italian.) Arte Bianca 8(4):5. Feb.1,1953. 389.8 Ar7

47932 CECCHETTI, G. The rise in grain prices. (In Italian.) Rass. dell'Agr. Ital. 7(11):11-13. Nov.1952. 281.8 R18

47933 CLAYDON, E. C. Grain drying; evolution of the platform unit in south east England. Elect. Rev. 152: 350-352. Feb.13,1953. 335.8 EL22

47934 CLERC, H. Aspects of milling in France. (In Italian.) Selez. di Tec. Molitoria 3(5):27-28. Sept. 1952. 293.8 Se42

47935 CORTAZAR S., R. Fomento de la producción de trigo. Simiente 22:41-46. Jan./June 1952. 9.3 Si4
Chile.
Includes discussion.

47936 DAUPHIN, J. Le marché français du riz. Agr. Prat. 117:11-13. Jan.1953. 14 J82

47937 ELDREDGE, J. C., JOHNSON, I. J., and RICHARDSON, C. H. Cold storage of popcorn. Ice & Refrig. 124(3):13-18. Mar.1953. 295.8 Ic2

47938 ENGLISH, E. D. A miller's comments about specifications for flour. Nowest. Miller (Milling Prod. Sect.)249(10,sect.2):9a-11a. Mar.10,1953. 298.8 N81

47939 ESCHHAUS, K. H. Weizen schälen oder bürsten? Müllerei 6:121-122. Feb.28,1953. 298.8 M91

47940 EVANS, M.. Sorghum production in New Mexico. N. Mex. Agr. Expt. Sta. B. 371,31 p. Nov.1952. 100 N465

47941 EVANS, S., STATISTICAL SERV. Wheat yield by towns 1952. Winnipeg,1952. 25 p. 281.3599 Ev1

47942 FAIRLEY, J. C. Dough quality of 1952 wheat crop is excellent. Canad. Baker 66(2):28. Feb.1953. 389.8 C166

47943 FOLSOM, L. E. Financial operations of Ohio farmer owned elevators fiscal year 1951-52. Ohio. State U. Dept. Agr. Econ. & Rur. Sociol. Mimeog. B. 238,39 p. Feb.1953. 281.9 Oh32

47944 FRANCE. COMMISSION DES SEMENCES ET DES PROGRES TECHNIQUES DE LA PRODUCTION DES CEREALES. Compte rendu de la journée préparatoire d'étude sur le séchage. Paris,Association Générale des Producteurs de Blé,1952. 234 p. 59 F847

47945 FUSS, K. Zur berechnung des gerstenextrakts. Brauwelt 9:95-96. Ref. Jan.30,1953. 390.8 B732

47946 GIAMPIERI, V. Changes in the moistness of stored wheat. (In Italian.) Molini d'Italia 4:22-24. Jan. 1953. 298.8 M73
English summary.

47947 GRAEF. Abgabepreise für industriegetreide. Ernährungsdienst 8(9):1-2. Jan.22,1953. 389.8 Er62
Germany.

47948 GRAUMANN, H. Ein neuer sacksilo. Mühle 90:109-110. Feb.26,1953. 298.8 M89

47949 GRAY, J. H. The great wheat crop of 1952. Canad. Geog. J. 46:66-73. Feb.1953. 470 C162

47950 GT. BRIT. WHEAT FUND. Accounts 1951-52. London,1952. 5 p. 286.3729 G79

47951 HAGBERG, S. Les gommes du seigle et du froment. (Sum.) Meun. Franç. 75:25-26. Dec.1952. 298.8 M57

47952 HALTMEIER, O. Sacksilos. Mühle 90:57-58. Jan.29,1953. 298.8 M89
Grain storage.

47953 HARRIS, G., and POLLOCK, J. R. A. Amino acids and peptides of hops and worts. II. Pipecolinic acid, a new amino acid in barley and hops. Inst. Brewing. J. (n.s.)50:28-35. Ref. Jan./Feb.1953. 390.9 In7

47954 HEBBS, L. G. Cereal straw pulping in the United Kingdom. Tappi 36(3):148A-150A. Mar.1953. 302.8 T162

47955 HECKL, R. Die technischen grundlagen der körnerlagerung und körnertrocknung im landwirtschaftsbetrieb. Osterr. Landtech. 5:272-275,309-312. Oct.-Nov. 1952. 58.8 L236

47956 HENDRICKSON, R. F. Improving legislation affecting wheat producers. (Excerpts.) Grain Prod. News 5(7):26-31. Feb.1953. 286.81 G764

47957 HENDRICKX, P. J. L. Experience with Australian barley in the Dutch maltings and breweries. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:80-82. 1953. 390.9 N21

47958 HEUSS, R. Die ermittlung des gerstenextraktes auf rechnerischer grundlage. Brauwelt 13:138-140. Feb.13,1953. 390.8 B732

47959 HICKS, O. C. Barley an important crop to New Brunswick farmers. Marit. Farmer & Coop. Dairyman 58(11):3,25. Mar.3,1953. 7 C77

47960 HOFTER, O. Es geht um viele millionen. Brauwelt 11:119. Feb.6,1953. 390.8 B732
Malting barley quality.

47961 HOPF, L. Müllerei in Schweden. Müllerei 6: 137. Mar.7,1953. 298.8 M91

47962 HOPKINS, R. H. L'amidon et les amylases. (Sum.) Meun. Franç. 75:27. Dec.1952. 298.8 M57

47963 IWATA, K. Some comments on the revision of consumer's rice price. (In Japanese.) Nōrin Jihō 12(2): 10-12. Feb.1953. 22.5 N772

47964 JENSEN, R. Isolation et composition de la β-globuline extraite des gommes d'orge. (Sum.) Meun. Franç. 75:29. Dec.1952. 298.8 M57

47965 JENSEN, R. Uber die darstellung des β-globulins aus gerstenkörnern und über die an dessen zusammensetzung beteiligten aminosäuren. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:138. Nov./Dec.1952. 390.08 V67

47966 JONGH, G. The baking value of wheat varieties grown in the Netherlands. Euphytica 2:6-14. Feb.1953. 450 Eu6

47967 KANSAS CITY, MISSOURI. BOARD OF TRADE. Annual statistical report for the year 1952. Kansas City,1952. 45 p. 287 K13
Contains grain statistics.

47968 KOMEYER, M. R. El arroz, uno de los principales alimentos del hombre. Almanaque Agropecuario del Perú 1:97-100. 1953. 9.8 AL6

47969 KORTENHORST, A. T. The malting quality of Balder, Kenia, Piroline and Herta. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:83-87. 1953. 390.9 N21

47970 KRAUSS, G., and REBMANN, A. Analysen von gersten des jahrgangs 1952. Brauwelt 7:77. Jan.23, 1953. 390.8 B732
Germany.

47971 KURTH, R. G. Quality factors in barley that affect malting. Grain & Feed J. Consolidated 110(4):13-14. Feb.25,1953. 298.8 G762

47972 KURTH, R. G. Quality factors in barley which affect malting. Amer. Brewer 86(2):48,58. Feb.1953. 390.8 Am3

47973 LEONHARDT, H. G. Quality factors in barley for brewing. Amer. Brewer 86(2):58,81. Feb.1953. 390.8 Am3

47974 LEYCESTER, J. H. Problems of grain storage. Farmers' Club. J. 2:177-189. 1953. 10 L84
Includes discussion.

47975 LINDEMANN, E. Die bestimmung der ergiebigkeit von getreide- und kartoffelstärken mit dem Brabender-viskographen. Brot u. Gebäck 7:7-8. (Concl.) Ref. Jan.1953. 298.8 G33

47976 LOBOS, C. A. V. Storage of whole rice. (In Portuguese.) Gaz. do Agr. 4:292-293. Nov.1952. 24 G25

47977 MAES, E., DRIESSCHE, VAN DEN, and BERNAERTS, M. Etude sur l'origine microbienne des enzymes proteolytiques dans la farine. (Sum.) Meun. Franç. 75:29-30. Dec.1952. 298.8 M57

47978 MAHLENDORF, E. Müllerei und mühlenbau. Müllerei 6:77. Feb.7,1953. 298.8 M91

47979 MALTHA, P. Warum mehlbleichung? Müllerei 6:139-140. (Cont.) Mar.7,1953. 298.8 M91

47980 MARSHALL, F. G. Recent developments in the malting industry. Inst. Brewing. J. 50:10-15. Jan./Feb.1953. 390.9 In7

47981 MARVIN, V., and CONNOLLY, C. C. Mechanical ventilation can prevent grain spoilage. Elect. World 139(9):34-35. Mar.2,1953. 335.8 EL2

47982 MARZI, G. DE. Consistency of and opportunity for Italian hard wheat production. (In Italian.) Molini d'Italia 4:8-11. Jan.1953. 298.8 M73
English summary.

47983 MAZZEI, E. Allocations of State wheat. (In Italian.) Molini d'Italia 4:12-14. Jan.1953. 298.8 M73
English summary.

47984 MILAN. ASSOCIAZIONE GRANARIA. I cinquanta anni dell'Associazione Granaria di Milano [Fifty years of the Milan Grain Association], 1902-1952. Milan, 1952. 136 p. 59.9 M585

47985 MINNEAPOLIS GRAIN EXCHANGE. Seventieth annual report for the year ending December 31st, 1952. Minneapolis,1952. 78 p. 287 M66R
Statistics.

47986 MOLLER, E. Politica triguera. (Sum.) Simiente 22:15. Jan./June 1952. 9.3 Si4
Chile.

47987 MOOTE, I. The effect of moisture on the thermal properties of wheat. Canad. J. Technol. 31:57-69. Feb./Mar.1953. 470 C16F

47988 MORAN, T., PACE, J., and MCDERMOTT, E. E. Interaction of chlorine dioxide with flour. Food Mfr. 28:103-106. Mar.1,1953. 389.8 F736

47989 MORGENTHALER, R. La conception d'un magasin moderne. (Sum.) Meun. Franç. 75:25. Dec.1952. 298.8 M57
Flour storage.

47990 MUNRO, J. A., and HINOJOSA, R. Protección de granos almacenados. Bolivia. Serv. Agr. Interamer. C. de Ext. 10,2 p. Jan.1953. 275.249 B63
Fumigation.

47991 MYRBACK, K., and PERSSON, B. Uber die inaktivierung der α-malzamylase. II. Arkiv f. Kemi 5: 177-185. Ref. 1953. 385 Ar4

47992 NATIONAL COMITÉ VOOR BROUWGERST. Zeventiende jaarboekje [Seventeenth year book] 1953. Rotterdam,1952. 118 p. 390.9 N21

47993 NATIONAL JOINT INDUSTRIAL COUNCIL FOR THE FLOUR MILLING INDUSTRY. Thirty-third annual report 1951-1952. London,1953. 56 p. 298.9 N21

47994 NIJDAM, F. E. Identification of barley varieties from threshed grain. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:28-44. 1953. 390.9 N21

47995 NORTON, L. J. Grain price trends in 1953. Ill. Farm Econ. 210/211:1421-1425. Dec.1952/Jan.1953. 275.28 IL5

47996 OLSEN, E. Hulling mills. (In Danish.) Jydsk Landbr. 35:39-41. Jan.15,1953. 11 J99

47997 PAVEZ SAA, D. Fijación de precio y establecimiento de poder comprador para el centeno. (Sum.) Simiente 22:16-17. Jan./June 1952. 9.3 Si4
Chile.

47998 POGGIALI, C. Born in water, but dies in wine. (In Italian.) Alimentazione 3:14-18. Jan.1953. 389.8 AL45
Rice.

47999 POURRAT B., H. Variaciones del peso por hectólitro del trigo en función del contenido de humedad. Simiente 22:47-52. Jan./June 1952. 9.3 Si4
Includes discussion.

48000 PREECE, I. A. Hemizellulosen und die getreidegummi. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:142. Nov./Dec.1952. 380.08 V67

48001 PREECE, I. A. Les hemicelluloses et les gommes des cereales. (Sum.) Meun. Franc. 75:26. Dec.1952. 298.8 M57

48002 PREECE, I. A. The quality of cereals and their industrial uses; selection of barleys for malting. Chem. & Indus. 8:160-162. Ref. Feb.21,1953. 382 M31C

48003 PROSKURÍAKOV, N. I., VEÍNOVA, M. K. Oxidation and reduction of [wheat] gluten proteins in connection with their affection by fermentation. (In Russian.) Akad. Nauk SSSR. Dok. 87:1039-1042. Dec.21,1952. 511 P444A

48004 QUINTANA MARI, A., and GALI GARI, M. A. Céntenos argentinos: características de los importados por el puerto de Barcelona durante la campaña 1949-1950. Spain. Inst. Nac. de Invest. Agron. B. 12:529-543. Ref. Dec.1952. 105.6 Sp14
English summary.

48005 RAO, B. S., MURTHY, A. R. V., and SUBRAHMANYA, R. S. The amylose and the amylopectin contents of rice and their influence on the cooking quality of the cereal. Indian Acad. Sci. Proc. Sect. B 36:70-80. Ref. Aug.1952. 513 In25B

48006 REID, K. C. The quality of cereals and their industrial uses; utilization of cereal by-products. Chem. & Indus. 7:144-146. Feb.14,1953. 382 M31C

48007 RICO SANZ, J. Los molinos arroceros en 1952. Rev. Sind. de Estadís. 7:14-15. Fourth Q.1952. 263 Es8B
Statistics for Spain.

48008 ROHRLICH, M. Die landbauwissenschaft dient der ernährung. Müllerei 6:75. Jan.31,1953. 298.8 M91
Grain and flour research.

48009 ROOTE, A. R. Extraction rates. Milling 122: 266-269. Mar.7,1953. 298.8 M622

48010 ROSE, M. J. Le transport pneumatique. (Sum.) Meun. Franç. 75:24-25. Dec.1952. 298.8 M57
Grain.

48011 RUPPERT, A. Uber die im monat November untersuchten neumalze. Brauwelt 7:78-79. Jan.23,1953. 390.8 B732
Analysis.

48012 RUZICIC, N., NIKOLIC, B., and MILOSEVIĆ, P. Fineness modulus of corn meal with hammer mills. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:221-227. 1952. 106.6 B41
English summary.

48013 RYKAART, M. C. As the corn triangle dies, so dies South Africa. (In Afrikaans.) Landbouweekblad 34 (1753):12-14. Feb.18,1953. 24 L232
A triangular-shaped corn-producing region.

48014 SALVADOR Y ASCASO, J. M. El pósito, granero de la abundancia. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 54:29; 55:12. (Cont.) Nov-Dec.1952. 15 Sa7

48015 SANDEGREN, E., ENEBO, L., and LJUNGDAHL, L. Recherches sur la cellulase d'orge et des bacteries en rapport avec la fermentation thermophilique de cellulose. (Sum.) Meun. Franç. 75:27. Dec.1952. 298.8 M57

48016 SANDEGREN, E., ENEBO, L., and LJUNGDAHL, L. Untersuchungen über gerstenzellulase und über die zellulase thermophiler zellulosevergärender bakterien. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:143. Nov./Dec 1952. 390.08 V67

48017 SCHMIDT, H. H. Cephalaria syriaca Schrad. als verunreinigung von brotgetreide. Getreide u. Mehl 3: 1-3. Jan.1953. 298.8 G332
Description and effects on bread.

48018 SCHORMULLER, J., STORIG, I., and LEICHTER, L. Uber das verhalten einiger aminosäuren des kleberproteins bei der chemischen mehlbehandlung. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:1-24. Ref. Jan.1953. 384 Z39

48019 SCHWEIKER, F. Die ganzkornbehandlung von roggen. Müllerei 6:67. Jan.31,1953. 298.8 M91

48020 SHEDD, C. K. A micromanometer. Agr. Engin. 34:178. Mar.1953. 58.8 Ag83
Used in a grain storage research project.

48021 SIRVENT, and GRANIER. Contribution a l'étude de la valeur industrielle du paddy. Bouches du Rhône Agr. 25(1089):3-6. Jan.1,1953. 14 B662
Analysis.

48022 SMIRNOV, V. A., and SMIRNOVA, A. I. On one source of errors in polarimetric determination of starch in grain. (In Russian.) Biokhimiía 17:646-648. Nov./Dec. 1952. 385 B523

48023 SMITH, W. H. Semi-bulk handling and storage of flour. Biscuit Maker & Plant Baker 4:54-56,58-60. Feb.1953. 389.8 B54

48024 SOENEN, M. Influence de la préparation des blés sur la granulosité des farines. Meun. Franç. 76:23-26. Jan.1953. 298.8 M57

48025 SOENEN, M. La signification des indices colorimetriques et la valeur qu'on peut leur attribuer dans la pratique meunière et boulangère. (Sum.) Meun. Franç. 75:25. Dec.1952. 298.8 M57

48026 SONNEMANN. Kein verzicht auf marktordnung. (Sum.) Ernährungsdienst 8(10):5-6. Jan.24,1953. 389.8 Er62
Grain.

48027 SOUMINEN, H. S. Der einfluss kontinuierlicher hochdruck-kochung auf die gerstenstärke. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:143. Nov./Dec.1952. 390.08 V67

48028 SOUZA, A. O. DE. The International Rice Commission. (In Portuguese.) Lav. Arroz. 6(72):13-22, 24-27. (Cont.) Dec.1952. 59.8 L39

48029 STEENSMA, R. A comparison of modern flour packing operations. Amer. Miller & Processor 81(2): 40. (Cont.) Feb.1953. 298.8 Am32

48030 STOCKMANN, K., and FRIEDRICH, W. Feinheitsbestimmung von staubförmigem gut unterhalb der siebgrenze. Wiss. Müllerei 1:1-7. In Müllerei 6(5). Jan.31,1953. 298.8 M91

48031 SUGDEN, G. H. Le sassage des produits de meunerie. (Sum.) Meun. Franç. 75:24. Dec.1952. 298.8 M57

48032 SUMERE, C. VAN, and MASSART, L. Eine hemizellulase aus gerste und malz. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:143. Nov./Dec.1952. 390.08 V67

48033 THEIMER, O. F. Ein neuartiger silobau in Irland. Mühle 90:45. Jan.22,1953. 298.8 M89
For grain storage.

48034 THOMSON, R. M. The quality of cereals and their industrial uses; some malting methods. Chem. & Indus. 6:112-116. Ref. Feb.7,1953. 382 M31C

48035 UNION OF SOUTH AFRICA. WHEAT CONTROL BOARD. Report for the financial year ended the 31st October, 1951. Johannesburg,1952. 101 p. 59.9 So85

48036 U. S. PRODUCTION AND MARKETING ADMIN. Policy of the United States Government with respect to rice; paper prepared for use at FAO Rice Meeting at Bangkok, Thailand, beginning January 5, 1953. Washington,1952? 11 p. 1.956 G76P75

48037 UPMANN, H. W. Eine kritische betrachtung der konventionellen mikroschnellmethoden zur ermittlung der backfähigkeit des weizens. Wiss. Müllerei 2:9-14. In Müllerei 6(8). Feb.21,1953. 298.8 M91

48038 URQUHART, W. B. M. Note on some experimental steeping treatments of malting barley. Inst. Brewing. J. (n.s.)50:56-58. Jan./Feb.1953. 390.9 In7

48039 VARGAS NAVARRETE, G. Estudio estadístico económico de la producción de trigo en el país durante 23 años. Simiente 22:67-72. Jan./June 1952. 9.3 Si4
Chile.

48040 VELDHUIZEN, H. VAN. The intake of the malting barley harvest 1952. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:7-10. 1953. 390.9 N21

48041 VELDHUIZEN, H. VAN. The malting barley exhibition 1951 and the quality of the Dutch malting barley harvest 1951. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:11-27. 1953. 390.9 N21

48042 VIGUERA LOBO, N. M., LAFUENTE FERRIOLS, B., and PRIMO YUFERA, E. Aprovechamiento industrial de los subproductos del arroz. IV, VII. Soc. Espan. de Fís. y Quím. An. Ser. B, Quím. 43:901-918. Dec.1952. 385 So16

48043 WESTERN, D. E. Commercial uses and factors affecting milling quality in oats. Natl. Oat Newslet. 3:15-18. Feb.1,1953. 59.9 N217

48044 WILHELM, A. Ist eine zwischengüter-analyse auch in der kleinmühle erforderlich? Müllerei 6:141-142. (Cont.) Mar.7,1953. 298.8 M91

48045 WILLIAMS, E. A. Das mahlverfahren unter heutigen verhältnissen. Müllerei 6:50-51. Jan.24,1953. 298.8 M91
Germany.

48046 WILLIAMS, H. Rice—Communism's greatest ally. Rur. Econ. 21(2):7-8. Mar.1953. 281.28 R8842

48047 WILSON, L. D., and SMITH, R. J. Polarographic analysis using flowing samples; continuous automatic measurement of sulfur dioxide in corn steep liquor. Analyt. Chem. 25:334-336. Feb.1953. 381 J825A

48048 WILTEN, W. Cultivated area, production, yield and trade of barley in western Europe. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:60-66. 1953. 390.9 N21

48049 WILTEN, W. Yields, statistics and characters of barley varieties. (In Dutch.) Natl. Comt. v. Brouwgerst. Jaarb. 17:96-106. 1953. 390.9 N21

48050 WIRNER. Gedanken zum getreidegesetz. Landwirt.Wchnbl. 143:281-282. Mar.7,1953. 18 L2338
Germany.

48051 ZABRODSKIĬ, A. G., and POLOZHISHNIK, A. F. Melanoidin formation in the process of grain treatment with heat. (In Russian.) Biokhimiîa 17:691-700. Ref. Nov./Dec.1952. 385 B523
Experiments with corn.

48052 ZEUMER, H., and NEUHAUS, K. Die bestimmung von hexachlorcyclohexan in mehl. Chem.-Ztg. 77: 105-107. Ref. Feb.20,1953. 384 C427

HONEY AND BEESWAX

48053 BOSSE, L. Causes de mévente du miel. Abeille et l'Erable (ser.2)22:28-30. (Cont.) Feb.1953. 424.8 Ab32
Lack of uniformity in quality and prices.

48054 BOSSET, J. C. Le miel et ses propriétés. J. Suisse d'Apicult. 50:7-14. Jan.1953. 424.9 So1

48055 BRICEÑO PARILLI, M. A. La miel de abejas como alimento del hombre en la antigüedad. Soc. Antioqueña de Agr. B. Agr. 392:3765-3767. Dec.1952. 9.4 So1

48056 HELVEY, T. C. The natural concentration of deuterium in honey. Science 117:276-277. Ref. Mar. 13,1953. 470 Sci2

48057 MANLEY, R. O. B. Observations of a bee farmer on selling. Brit. Bee J. 81:58,60. Jan.22,1953. 424.8 B77

48058 SALVIEN. Les appellations d'origine des miels. Union Synd. des Apic. Picards. B. 3:157-163. (Cont.) 1952. 424.9 Un3

48059 U. S. PRODUCTION AND MARKETING ADMIN. Historical background honey price support operations of the U. S. Department of Agriculture since World War II. Washington,1952? 3 p. 1.956 A2H62

48060 U. S. PRODUCTION AND MARKETING ADMIN. Statistics of the United States honey industry. Washington,1953. 11 p. 1.956 F94St25

48061 WHITE, J. W., and MAHER, J. Transglucosidation by honey invertase. Arch. Biochem. & Biophys. 42: 360-367. Ref. Feb.1953. 381 Ar2

48062 YOUNG, E. The right way to sell honey: impulse sales. Brit. Bee J. 81:103. Feb.12,1953. 424.8 B77

48063 ZIMMERMANN, P. Notre campagne publicitaire en faveur du miel suisse contrôlé. J. Suisse d'Apicult. 50:5-7. Jan.1953. 424.9 So1

LIVESTOCK AND LIVESTOCK PRODUCTS

48064 AAGAARD, J. Importance of raising hogs in this country formerly and now. (In Danish.) Dansk Landbr. 72:124-125. Mar.5,1953. 280.28 V91

48065 ADAMS, V. Pampering our pigs; today's bottle babies, tomorrow's prize porkers. Farm & Ranch South. Agr. Sowest. Ed. 83(3):91,102. Mar.1953. 6 F22125
Pig nursery.

48066 BAKER, A. Z. Food for thought. S. Dak. Stockgrower 7:10-14. Feb.15,1953. 49 So84
Chiefly on the livestock industry in Great Britain.

48067 BEATTIE, W. A. The beef cattle industry of the Commonwealth of Australia. Brit. Agr. B. 5:343-347. Mar.1953. 10 B776

48068 BERESFORD, R. Better stick with those beef cows. Country Gent. 123(3):31,99-101,104. Mar.1953. 6 C833
The future of the beef cattle industry.

48069 BONADONNA, T. Meat for Colombia and for export. (In Italian.) Prog. Vet. 8:48-50. Jan.15,1953. 41.8 P942

48070 BONDE, N. Livestock industry in 1952. (In Danish.) Jydsk Landbr. 35:31-39. Jan.15,1953. 11 J99

48071 BULGAKOVA, V., and FEDÎAEV, V. Collaboration of science and industry. (In Russian.) Mîasnaîa Indus. SSSR. 24:7-11. Jan./Feb.1953. 50.8 M58
Research by the All-Union Institute of the Meat Industry chiefly.

48072 CAVINA, R. Livestock progress. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 5:361. Dec.1952. 44.8 B634
Brazil.

48073 COLLE, G. The ham of San Daniele. (In Italian.) Allevatore 9(2):3-4. Jan.11,1953. 49 AL55

48074 CORN BELT FARM DAILIES. Demand for meat strengthens livestock industry's position. Agr. Situation [Chicago] 30(1),4 p. Feb.27,1953. 281.8 Ag87

48075 CYPRUS. DEPT. OF AGRICULTURE. Annual report for 1951 annexure II: report of the Livestock Officer for 1951. n.p.,1951. 16 p. 21 C99

48076 ELAM, F. L. Are horses necessary? West. Livestock J. 31(5):216,218-219. Jan.1953. 6 F2278
The horse industry.

48077 ENDRES, P. Das entschädigungsverfahren bei ansteckender schweinelähme! Kärntner Bauer 103:55. Feb.15,1953. 19 K14

48078 FORBES, E. F. Sees profitable, growing meat industry in 1953. Natl. Provisioner 128(9):30-31. Feb. 28,1953. 286.85 N21

48079 GENNARI, G. Is it necessary to reform swine production? (In Italian.) Avvenire Agr. 61:45-46. Feb. 1953. 16 Av9
Italy.

48080 GRAMLICH, H. J. Let's take the long-range view. West. Livestock J. 31(5):35,83,87,89,93. Jan.1953. 6 F2278
The future of the livestock industry.

48081 GRAU, R. Das fett in der fleischwirtschaft. Fette u. Seifen 55:25-26. Jan.1953. 384 C422

48082 GRAY, R. C. The pig industry in 1952. Scot. Farmer 61(3141):159-160. Jan.1,1953. 10 Sco8

48083 HOWES, J. R. Food for thought. Agr. Soc. Trinidad & Tobago J. 52:283-293. Sept.1952. 8 T73
Problems involved in livestock products production in the Caribbean area, particularly Trinidad.

48084 ILÎUSHIN, V. P., and MOSHKOV, A. N. The fur industry and problems of rabbit breeding. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):32-35. Nov./Dec.1952. 49 K14

48085 INSTITUTO AGROPECUARIO NACIONAL. Incremento de la producción de carne de marrano y de manteca. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4) 1:19-21 Oct.1952. 8 G934
Guatemala.

48086 IVES, J. R. The U.S. rawstock situation. Leather & Shoes 125(10):11. Mar.7,1953. 303.8 H53
Cattle situation.

48087 JUNCA, L. F. Proteccioń de la industria porcina. Rev. Agr. y Ganad. 13(154):14-15. Nov.1952. 9.4 R327
Colombia.

48088 JUNGWIRTH, F. J. Pelztierwirtschaft mit oder ohne politik? Deut. Pelztierzüchter 27:5-7. Jan.25, 1953. 412.628 D48

48089 KRINGS, E. Die auswirkungen der freien marktwirtschaft auf die deutsche pelztierzucht. Deut. Pelztierzüchter 27:21-24. Feb.25,1953. 412.628 D48

48090 LEMAIRE, M. Le plan décennal d'encouragement a l'élevage ovin. France. Min. de l'Agr. B. Tech. d'Inform. 76:9-11. Jan./Feb.1953. 14 F844B

48091 LEROY, A. M., MUSSAT, A. J., and ZERT, P. Etude de la production porcine en France. Porc 24:17-19, 21-22. Jan.1953. 46.8 P822

48092 LEWIS, L. H. Discussion of livestock and meat problems. (Excerpts.) Natl. Assoc. Mktg. Off. Rpt. 33: 30-31. 1952. 280.39 N213P

48093 LOHR, L. Sorgen um die bergbäuerliche schweinehaltung. Allg. Bauern-Ztg. 8(7):7. Feb.21,1953. 19 K142
The industry in Austria.

48094 MAIOCCO. Allessandria livestock at a critical turning-point. (In Italian.) Alessandria. Cam. di Com. Indus. e Agr. Rass. Econ. 6(12):6. Dec.1952. 287 AL24

48095 MART'IANOV, F. State farms in the effort to solve the chief problem in agriculture. (In Russian.) Kolkhoz. Proizvodstvo 12(11):18-20. Nov.1952. 281.8 K83
Three-Year Plan for livestock development.

48096 MEAT industry forum. Natl. Provisioner 128 (9):50,52,54,57,60. Feb.28,1953. 286.85 N21
Includes discussion.

48097 MORAN, E. D., WEISEL, C., and STERN, R. J. A. Symposium on sausage. Natl. Provisioner 128 (9):33-36,38,41-42,45,47-48. Feb.28,1953. 286.85 N21
Includes discussion.

48098 MORSE, T. D. How does it look for livestock farmers? Breeder's Gaz. 118(2):7. Feb.1953. 49 B74

48099 MUROMTSEV, S. N. Toward a new advancement of socialist livestock production. (In Russian.) Priroda 41(10):58. Oct.1952. 410 P933

48100 ORCUTT, E. P. What's wrong with the sheep business? Mont. Farmer-Stockman 40(11):30-31. Feb.1,1953. 6 M764

48101 PLAGER, R. G. Beef is king of American diet. Shorthorn World 37(20):60-63. Feb.1,1953. 43.8 Sh8

48102 PLAGER, W. L. Looking ahead for the hogman. Amer. Hampshire Herdsman 28(3):28,31-32,35,40. Mar.1953. 46.8 Am33

48103 PORTAL, M. Quelques réflexions sur l'avenir, de l'élevage ovin en France. France. Min. de l'Agr. B. Tech. d'Inform. 76:3-8. Jan./Feb.1953. 14 F844B

48104 RABINOVICH, M., and MASALKIN, N. Development of the public livestock industry and labor productivity on collective farms. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(11):38-43. Nov.1952. 281.8 So73

48105 ROCHMANN, R. Is profitable fox farming in sight? (In Swedish.) Våra Pälsdjur 24:26-28. Feb.1, 1953. 410 V42

48106 ROUY, H. Orientation et amélioration de la production de viande. France. Min. de l'Agr. B. Tech. d'Inform. 76:13-19. Jan./Feb.1953. 14 F844B
The French mutton industry.

48107 RYZHENKO, L. Problems of the meat industry of U.S.S.R. in 1953. (In Russian.) Miasnaia Indus. SSSR. 24:1-6. Jan./Feb.1953. 50.8 M58

48108 SACCO, P. Swine production and salt pork manufacture. (In Italian.) Mondo Agr. 4(2):5. Jan.11, 1953. 16 M74

48109 SALA ROCA, E. La producción nacional de carnes. Inst. Agr. Catalán de San Isidro. Rev. 102:8-10. Jan.1953. 15 Sa5

48110 STEELE, C. F. Greater interest in range sheep. Family Herald & Wk. Star 84(11):5,11. Mar.12, 1953. 7 F21
Sheep industry in southern Alberta.

48111 TAKEICHI, K. Competition between livestock- and grain-production in Germany. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):153-180. Oct.1952. 22.5 N687

48112 THUAU, U. J. La recherche dans les industries du cuir en France. Rev. Tech. des Indus. du Cuir 45:23-25. Feb.15,1953. 303.8 C89

48113 TRUDOLIUBOV, B. A. Production achievements of Molotov State Farm [in Novo-Torzhok District, Kalinin Region]. (In Russian.) Sotsialist. Zhivotnovod. 14 (12):69-75. 1952. 49 So71
Chiefly on increase of livestock and its productivity.

48114 WILSON, C. P. The livestock-feed balance. Grain & Feed J. Consolidated 110(5):31-32. Mar.11,1953. 298.8 G762

48115 WINNIGSTEDT. Die Bundesforschungsanstalt für Fleischwirtschaft in Kulmbach. Tierzüchter 5:84-85. Feb.20,1953. 49 T445

48116 ZAL'TSMAN, L. Prospects for the intensification of animal industry in the basic agricultural areas of U.S.S.R. (In Russian.) Sotsialist. Sel'sk. Khoz. 33(10):24-37. Oct.1952. 281.8 So73

Analysis and Composition

48117 BURTON, D., and REED, R. The architecture of the collagen fibrils in pelt as revealed by the electron microscope. Soc. Leather Trades' Chem. J. 37:13-22. Ref. Jan.1953. 303.9 So12

48118 BUTTIAUX, R. The bacteriological examination of canned ham. I. Food Mfr. 28:112-113. Mar.1, 1953. 389.8 F736

48119 CORDING, J., and others. Low-temperature solvent fractionation of animal fats. II. Evaluation of water-saturated solvents for crystallization of white grease. Amer. Oil Chem. Soc. J. 30:111-113. Mar.1953. 307.8 J82
M. J. Willard, P. W. Edwards, and R. K. Eskew, joint authors.

48120 CORTI, G. Survival of Salmonella in raw sausages. (In Italian.) Arch. Vet. Ital. 3:499-509. Ref. Dec.31,1952. 41.8 Ar25
English summary.

48121 DROZDOV, N., and ZHURAVSKAIA, N. Determination of lactic acid content in meat. (In Russian.) Miasnaia Indus. SSSR. 23(6):25-26. Nov./Dec.1952. 50.8 M58

48122 DROZDOV, N., and ZHURAVSKAIA, N. Rapid method of determining glycogen in meat. (In Russian.) Miasnaia Indus. SSSR. 23(5):72-74. Sept./Oct.1952. 50.8 M58

48123 GRAU, R. Eine neue möglichkeit der fehlerbetrachtung bei der fremdwasserbestimmung nach Feder. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:329-335. Nov.1952. 384 Z39
In sausages.

48124 GROH, G., NYILASI, J., and KOVATS, Z. Untersuchungen über die chemische struktur von kollagen und photogelatine. (In Hungarian.) Magyar Kém. Folyóirat 59:54-57. Feb.1953. 385 M272

48125 HANKINS, O. G., and others. Physical composition of fryer rabbits. Amer. Rabbit J. 23:38. Mar.1953. 40.28 Am3
R. L. Hiner, G. S. Templeton, and C. E. Kellogg, joint authors.

48126 HANSEN, R. P., SHORLAND, F. B., and COOKE, N. J. The branched-chain fatty acids of mutton fat. 2. Biochem. J. 53:374-378. Ref. Feb.1953. 382 B52

48127 JASCHIK, A., and KRAMER. The changes that are apt to take place in edible lard and oil under the influence of heat to which they are subject in the ordinary course of cooking. (In Hungarian.) Elelmezési Ipar 7:17-25. Ref. Jan.1953. 290.9 M57
English summary, back cover.

48128 KARSTEN. Die beschaffenheit des fettes bei schweinen. Hannoversche Land- u. Forstwirt. Ztg. 106: 158. Feb.7,1953. 18 H194

48129 KHEIFETS, M. Method of precipitation in meat analysis. (In Russian.) Miasnaia Indus. SSSR. 23(6): 72-74. Nov./Dec.1952. 50.8 M58

48130 KOLOBOLOTSKII, G. Determining the degree of meat freshness by formol titration with mixed indicators. (In Russian.) Miasnaia Indus. SSSR. 23(5):74-76; (6):74-76. Sept./Oct.-Nov./Dec.1952. 50.8 M58

48131 KREMEN, S. S., and SOUTHWOOD, R. L. Rapid methods for the determination of the pH value and the water solubles content of leather. Leather Mfr. 64(3): 5-6,41. Mar.1953. 303.8 L484

48132 LIBERMAN, S. Achievements in chemistry and technology of animal fats. (In Russian.) Miasnaia Indus. SSSR. 23(6):36-43. Nov./Dec.1952. 50.8 M58

48133 MATROZOVA, S. Determination of moisture in meat by drying it with a lamp of infrared radiation. (In Russian.) Miasnaia Indus. SSSR. 23(5):41-42. Sept./Oct.1952. 50.8 M58

48134 NUZZI, A. F. Study of the organic field in the etiopathogenesis of meat poisoning. (In Italian.) Prog. Vet. 8:114-116,118-119. Feb.15,1953. 41.8 P942

48135 PEZZO, L. DEL. Electrical resistence of leather. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti. B. 28:455-464. Dec.1952. 303.8 It1

48136 SHIROKOV, N. New device for determining the ammonia and nitrogen content in meat products. (In Russian.) Mîâsnaîâ Indus. SSSR. 24:79-81. Jan./Feb.1953. 50.8 M58

48137 SIRONI, A. A contribution to the rapid identification of Salmonella in the bacteriological examination of meats. (In Italian.) Clin. Vet. 75:364-370. Ref. Dec. 1952. 41.8 C61

48138 SPEAKMAN, J. B. The reactivity of protein fibres: some analogies between keratin and collagen. Soc. Leather Trades' Chem. J. 37:37-53. Ref. Feb.1953. 303.9 So12

48139 SWERN, D., AULT, W. C., and MCCUTCHEON, J. W. A survey on research possibilities for animal fats. U. S. Bur. Agr. & Indus. Chem. AIC-346,58 p. Jan.1953. 1.932 A2Ag82

48140 WANG, H., AUERBACH, E., and BATES, V. Histology of beef muscle dehydrated under different conditions. (Abs.) Anat. Rec. 115:377-378. Feb.1953. 447.8 An1

48141 WESTBROOK LANOLIN CO. Chemistry and derivatives of acid-cracked wool grease. Chem. Prod. 16(2):41-44. Feb.1953. 382 C428

Consumption and Utilization

48142 MARZI, G. DE. Panorama of meat consumption. (In Italian.) Prog. Vet. 8:96-97,99-100,102,104. Feb.1,1953. 41.8 P942

48143 SAFONOV, S. Industrial fat from waste waters [at the meat combine]. (In Russian.) Mîâsnaîâ Indus. SSSR. 23(6):44-45. Nov./Dec.1952. 50.8 M58

Distribution, Marketing, and Transportation

48144 ALBERTA LIVESTOCK CO-OPERATIVE. Minutes of annual meeting, July 3 & 4, 1952. Edmonton, 1952. 9 p. 280.2409 AL1

48145 BAKER, F. M. Livestock production and markets. Agr. Inst. Rev. 8:17-19,50-51. Jan./Feb.1953. 7 Ag8
Livestock marketing in Canada and consumer preferences for lean meat.

48146 BREAKIRON, P. L. Save those steaks! Mktg. Activ. 16:16. Jan.1953. 1.942 A8M34
Reduction in transit damage to dressed beef in refrigerator cars.

48147 CARLO, M. Purchase and sale of livestock. (In Italian.) Nuova Agr. Milan. 3(15/16):2-3. Aug. 1/15,1952. 16 C153

48148 CONWAY, H. M. Live stock markets show more strength. Natl. Live Stock Prod. 31(5):12. Mar. 1953. 280.38 N21

48149 CORBETT, R. B. Beef is a retail problem, too! West. Livestock J. 31(16):51,65,67-68,70. Mar.1, 1953. 6 F2278

48150 DANNER, M. J. Livestock marketing agencies in Alabama. Ala. Agr. Expt. Sta. B. 284,39 p. Dec.1952. 100 AL1S

48151 DEVUYST, A. Les débouches de la production porcine. Sillon Belge 23(543):1,3. Jan.17,1953. 13 Si3

48152 FRENCH, M. H. Buying systems for colonial hides. Leather Trades' Rev. 107:165-168. Jan.21,1953. 303.8 L48

48153 FREUDENBERG, W. Bericht über die häute- und fellmärkte der welt. Leder 4:14-15,17-19. Jan.15, 1953. 303.8 L492

48154 HILLHOUSE, W. F. The livestock and meat market. Foreign Trade 13(323):14-18. Mar.7,1953. 286.8 C162
In the United States.

48155 KINGSTON, D. H. Merchandising of livestock. Holstein-Friesian World 50:359-360,439-440,447-448. Feb.21,1953. 43.8 H742

48156 LARREA, R. H. Los envios de hacienda a la Tablada Nacional de Porcinos. Uruguay. Min. de Ganad y Agr. B. Inform. 9(449):12-13. Jan.8,1953. 9.9 G15B
Care in shipping.

48157 LLOYD, E. W. New deal for porkers. Mod. Poultry Keeping 68:262. Mar.11,1953. 47.8 Eg3
Marketing.

48158 LUBICH, H. Vor der wende? Salzburger Bauer 8(4):3,6; (5):6-8. Jan.22-29,1953. 19 Sa3
Livestock markets.

48159 NORGES KJØTT OG FLESKESENTRAL. Arsberetning og regnskap, 1951 [Annual report and accounts of Norway's Meat and Pork Exchange, 1951]. Oslo, 1952. 43 p. 50.9 N76

48160 PHARIS, L. E. Report of National Advisory Committee. Organized Farmer 12:12-15. Jan.1953. 281.8 Or32
Canadian livestock marketing and trade.

48161 PLATE, R. Vorausschau auf den schweinemarkt; auswertung der schweinezählung vom 3. Dezember 1952. Agrarwirtschaft 2:43-46. Feb.1953. 281.8 Ag826
Germany.

48162 RANDELL, C. G. Corn Belt feeder buyers go South. Natl. Live Stock Prod. 31(5):8,17,22. Mar.1953. 280.38 N21
Calf buying.

48163 RANDELL, C. G. Mountain cattlemen pioneer feeder calf sales. News Farmer Coop. 19(12):4-5. Mar. 1953. 166.2 N47
Mountain Breeders Association, Johnson City, Tenn.

48164 SMITH, W. W. Let buyers pay premium for meat-type hogs. Breeder's Gaz. 118(4):7. Apr.1953. 49 B74

48165 U. S. PRODUCTION AND MARKETING ADMIN. Loss and damage in rail transportation of dressed beef, by P. L. Breakiron. Washington,1952. 26 p. 1.956 M343L892

48166 WILLS, W. J. Marketing charges in the livestock industry. Ill. Farm Econ. 210/211:1425-1429. Dec.1952/Jan.1953. 275.28 IL5

Grading, Inspection, Standardization, and Quality

48167 BANERJEE, M., and SARKAR, P. K. Standards for leather manufactured in India. Tanner 7(8):15-17. (Cont.) Jan.1953. 303.8 T15

48168 CALLOW, E. H. Quality in Wiltshire bacon and its attainment. Shropshire & Surrounding Co. Agr. News 16:137,139. June/Sept.1952. 10 Sh8

48169 CLAY, H. W. Prince Edward Island swine grade highest in Canada. Marit. Farmer & Coop. Dairyman 58(9):5,25. Feb.3,1953. 7 C77

48170 D'IÂCHKOV, I. N., PIS'MENNAÎA, R. T., and BABADAEVA, L. M. To revise the standard for Karakul furs. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):21-23. Nov./Dec.1952. 49 K14

48171 DRAANEN, J. H. VAN. The food inspector as detective. (In Dutch.) (Concl.) Keurmeester 44:4-10. Jan.1953. 50.8 K51
Meat.

48172 GOL'DMAN, E., and MAKEEVA, M. Keeping quality of [animal] fats cooled in cylinders. (In Russian.) Mîâsnaîâ Indus. SSSR. 23(6):32-35. Nov./Dec.1952. 50.8 M58

48173 HANKINS, O. G., HINER, R. L., and SLOANE, H. S. A new look at the significance of fat and hog dressing yields. Natl. Provisioner 128(11):34,36-37,39-40. Mar.14,1953. 286.85 N21

48174 IGNATOV, IÛ. To raise the quality requirements of [meat] products. (In Russian.) Mîâsnaîâ Indus. SSSR. 24:47. Jan./Feb.1953. 50.8 M58

48175 KANTSEPOL'SKIÎ, A. S. The standard of Karakul pelts is in need of improvement. (In Russian.) Karakulevodstvo i Zverovodstvo 5(5):28-31. Sept./Oct. 1952. 49 K14

48176 KOCH, C. R. Lamb pool; sound management on the farm, careful grading at the market means more dollars for lamb raisers. Farm Q. 8:52-55,92,94. Spring 1953. 6 F22995

48177 MCDIVITT, M. E. Studies on the growth of food poisoning micrococci on cooked ham under conditions of home preparation and storage. (Abs.) J. Home Econ. 45:209. Mar.1953. 321.8 J82

48178 MADDY, K. T. Generalized bovine arteritis and phlebitis. Amer. Vet. Med. Assoc. J. 122:197. Mar. 1953. 41.8 Am3
Meat inspection.

48179 NAI, D. D. Sanitary-veterinary aspects of the production of foods of animal origin. (In Italian.) Prog. Vet. 8:132,134-136,138-140. Feb.15,1953. 41.8 P942

48180 NERVIK, O., PIERCE, E. A., and GLOVER, J. H. The effect on carcass yield and grade of holding lambs in packers' yards. S. Dak. Agr. Expt. Sta. Tech. B. 12,11 p. Dec.1952. 100 So82

48181 NEW ZEALAND. DEPT. OF AGRICULTURE. New Zealand baconer and porker carcass judging standards. New Zeal. Dept. Agr. B. 243,rev.,24 p. 1952. 23 N48Bu

48182 RUSSKIKH, A. P. On the fur quality of the fur animal state farms. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):35-40. Nov./Dec.1952. 49 K14

48183 SEIDEL, G. Ein beitrag zur frage der fleischbeschaulichen beurteilung gesunder laktierender schweineeuter. Monatsh. f. Vetmed. 8:6-7. Jan.1,1953. 41.8 M742

48184 SHAMSHURIN, V. On the quality of raw hide at the meat combines. (In Russian.) Mîasnaîa Indus. SSSR. 24:36-39. Jan./Feb.1953. 50.8 M58

48185 SINEL'NIKOV, V. F. Quality of mink furs. (In Russian.) Karakulevodstvo i Zverovodstvo 6:50-51. Jan./Feb.1953. 49 K14

48186 SUNTSEVA, T. S. A seminar of specialists in veterinary-sanitary inspection [of meat]. (In Russian.) Veterinariîa 29(12):54-56. Dec.1952. 41.8 V6426

48187 U. S. BUR. OF ANIMAL INDUSTRY. Information for applicants for Federal meat inspection. Rev. Washington?1952. 54 p. 1.9422 M8In3

48188 U. S. BUR. OF ANIMAL INDUSTRY. Manual of inspection procedures of the Meat Inspection Service of the United States Department of Agriculture. 1952 ed. Washington,1953. 188 p. 1 An52Ma

Packing and Packaging

48189 GORBATOV, V., and GOROBETS, A. Production of canned "stewed meat" in No. 14 container. (In Russian.) Mîasnaîa Indus. SSSR. 23(6):16-20. Nov./Dec. 1952. 50.8 M58

Prices, Price Control, and Rationing

48190 ALCAIDE INCHAUSTI, J. Se espera una importante baja en los precios del cuero. Rev. Ind. de Estadís. 7:29-34. Fourth Q.1952. 263 Es8B
Spain.

48191 CLIFTON, E. S., and KUTISH, F. Iowa study shows spread in hog carcass values greater than market indicates. Natl. Provisioner 128(12):50. Mar.21,1953. 286.85 N21

48192 COX, C. B., EISENACH, E. J., and MITCHELL, M. P. Beef cattle prices. Ind. Agr. Expt. Sta. B. 582, 39 p. Jan.1953. 100 In2P

48193 DOANE, D. H. Cattle prices go down. What's the best plan to follow? South. Livestock J. 12(9):16,124, 128-129. Mar.1953. 43.8 F66A

48194 JANSSEN, M. R. When should I sell my hogs? Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers, Feb.25,1953:1-3. 275.29 In2Em
Price outlook.

48195 KANTNER, A. H. Bargain day at the meat counter. Fed. Reserve Bank Atlanta. Mon. Rev., Feb.28, 1953:6-7. 284.8 F31A
Prices.

48196 LILJENQUIST, L. B. Western States Meat Packers [Association] oppose standby controls. Butchers' Advocate 133(11):8-9,20. Mar.18,1953. 286.85 B97

48197 RACHLIS, M. Feeder cattle—a comparison of recent price relationships in Canada and the United States. Econ. Annal. 23:15-18. Feb.1953. 281.8 Ec72

48198 SCHENCK, H. E. Beef price problem aired. Hoosier Farmer 38(3):4,8. Mar.1953. 280.82 H76

48199 TRIPPLAAR, J. P. Meat prices in the United States. (In Dutch.) Landbouwwereldnieuws 8:8-10. Jan. 3,1953. 12 L237

Processing and Storage

48200 ARENS, A., BARMASH, A., and POLETAEV, T. Salting tongues through the blood system. (In Russian.) Mîasnaîa Indus. SSSR. 23(6):50-52. Nov./Dec.1952. 50.8 M58

48201 AULT, W. C. Fats into plastics via research. Natl. Provisioner 128(9):71.74-75. Feb.28,1953. 286.85 N21

48202 BAKER, F. M. The packer as a member of the meat team. Canad. Cattlemen 16(3):20-21,40-41,45. Mar.1,1953. 49 C16

48203 BARMASH, A. Ways of improving the quality of canned [meat] products. (In Russian.) Mîasnaîa Indus. SSSR. 24:17-20. Jan./Feb.1953. 50.8 M58

48204 BATE-SMITH, E. C., and EATON, P. Freezing chilling and cold storage of meat. (Extr.) Mod. Refrig. 56:51-52. Feb.1953. 295.8 M72

48205 BATZER, H., and GRUNEWALD, H. J. Uber gerbung mit polymerisationsfähigen substanzen. VII. Über leder und gerbstoffe. Makromolekulare Chem. 9: 116-147. Feb.1953. 384 M28

48206 BAYER, Z. Influence of sodium anhydrous carbonate, naphtalene, and Merpin WS — extra — 40 on the preservation of raw pigskins by salting. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:726-734. Ref. 1952. 41.8 V6494
English summary.

48207 BERTONE, A. Skins and the art of tanning through the centuries. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti. B. 28:449-454. Dec.1952. 303.8 It1

48208 BEZZUBOV, L. P., VOL'NOVA, V. A., and RAVICH, G. B. Production of technical [vegetable] olein without pressing and its physico-chemical properties. (In Russian.) Masl.-Zhir. Promysh. 18:11-15. Jan.1953. 307.8 M37

48209 BULANOV, F. Checking the losses in storage and transportation of sausages. (In Russian.) Mîasnaîa Indus. SSSR. 23(6):21-25. Nov./Dec.1952. 50.8 M58

48210 DANILOV, M., and others. Utilization of ultraviolet rays for prolonging the time of storing sausages. (In Russian.) Mîasnaîa Indus. SSSR. 23(5):33-41. Sept./Oct.1952. 50.8 M58
N. Ivanov, V. Brandt, and V. Rozengauz, joint authors.

48211 DAWSON, W. O. Resin tannage. (Abs.) Leather Mfr. 64(2):10. Feb.1953. 303.8 L484

48212 DYKLOP, V., and BARMASH, A. Method of intermittent sterilization of canned meat products. (In Russian.) Mîasnaîa Indus. SSSR. 24:26-30. Jan./Feb. 1953. 50.8 M58

48213 FREEMAN, E. B. Effect of cooking temperatures on the quality and in vitro digestibility of beef stews and pot roasts. (Abs.) J. Home Econ. 45:208. Mar.1953 321.8 J82

48214 GERTSOVA, KH. Innovation in the process of cutlet making. (In Russian.) Mîasnaîa Indus. SSSR. 23(6): 53-55. Nov./Dec.1952. 50.8 M58

48215 GERTSOVA, KH. Manufacture of cured [pork] products intended to be filled with fat. (In Russian.) Mîasnaîa Indus. SSSR. 23(5):54-56. Sept./Oct.1952. 50.8 M58

48216 GIOVAMBATTISTA, H., GIACOMI, A. A., and PALAVECINO, W. O. Estudio sobre curtido vegetal en las condiciones utilizadas en la República Argentina. Indus. y Quím. 14:262-263,274. Nov.1952. 385 In28
English summary.

48217 GORODETSKAIA, R., and others. Reserves of gelatine production. (In Russian.) Mîasnaîa Indus. SSSR. 23(6):45-49. Nov./Dec.1952. 50.8 M58
M. Sheremet, M. Shakhnazarova, A. Kazakov, V. Mirzoeva, and E. Mikhaĭlova, joint authors.
Method of processing bones.

48218 HANHART, C. Cooperative packing house "Los Andes." (In Portuguese.) Fazenda 48(2):26-27. Feb.1953. 6 H11P
Bolivia.

48219 HARRISON, D. L., VAIL, G. E., and KALEN, J. Precooked frozen stews and swiss steak. Food Technol. 7(3):139-142. Mar.1953. 389.8 F7398

48220 KHRISTODULO, D. Method of theoretical determining the average duration of meat cooling. (In Russian.) Mîasnaîa Indus. SSSR. 23(5):81-83. Sept./Oct. 1952. 50.8 M58

48221 KONKIN, I. Yields of products in processing goats. (In Russian.) Mîasnaîa Indus. SSSR. 23(6):70-71. Nov./Dec.1952. 50.8 M58

48222 LEVIN, D., and TSAPLIN, A. Calculating the cost of sausage products. (In Russian.) Mîasnaîa Indus. SSSR. 23(5):62-69. Sept./Oct.1952. 50.8 M58

48223 LOTZ, W. R., and THEIS, E. R. Studies in chrome tanning. (Abs.) Leather Mfr. 64(2):14. Feb. 1953. 303.8 L484

48224 NELSON, C. I. Home cured ham. N. Dak. Agr. Expt. Sta. Bimon. B. 15:97-98. Jan./Feb.1953. 100 N813B

48225 OCHS, E. E. The use of carbon dioxide for deliming. Amer. Leather Chem. Assoc. J. 48:105-110. Feb.1953. 303.9 Am32

48226 PELEEV, A. Utilization of meat cutting mechanisms. (In Russian.) Mîasnaîa Indus. SSSR. 23(5): 20-26. Sept./Oct.1952. 50.8 M58

48227 PERLMUTTER, M. L'ennoblissement des peaux de mouton dans l'industrie de la fourrure. Rev. Tech. des Indus. du Cuir 45:4-10. (Concl.) Ref. Jan.1953
303.8 C89

48228 PETRIE, W. Preparing dry hides for tanning. Leather Trades' Rev. 107:163-164. Jan.21,1953.
303.8 L48

48229 PETROVSKII, V., and KOMAROVA, V. New method of obtaining lubricating oils. (In Russian.) Miasnaia Indus. SSSR. 23(5):76-81. Sept./Oct.1952. 50.8 M58

48230 SCHULTZ, G. W. Evaluation of some vegetable tanning. (Abs.) Leather Mfr. 64(2):12. Feb.1953.
303.8 L484

48231 SHISHKINA, N., and IANOVICH, M. A protective casing for semi-cured sausages. (In Russian.) Miasnaia Indus. SSSR. 23(6):27-32. Nov./Dec.1952.
50.8 M58

48232 SKRYPNIK, A., and LAPSHIN, A. Continuous processing of raw fat in thin layers. (In Russian.) Miasnaia Indus. SSSR. 23(5):43-46. Sept./Oct.1952.
50.8 M58

48233 SMIRNOV, A. Analytical method of devising systems of glue extraction from bones. (In Russian.) Miasnaia Indus. SSSR. 24:21-25. Jan./Feb.1953.
50.8 M58

48234 STATHER, F. Neuere forschungsergebnisse auf dem gebiete der pelzzurichtung und pelzveredlung. Leder 4:9-14. Ref. Jan.15,1953. 303.8 L492

48235 THEIS, E. R., and LOTZ, W. R. Further studies in the neutralization of chrome tanned leather. (Abs.) Leather Mfr. 64(2):13-14. Feb.1953. 303.8 L484

48236 THUAU, U. J. Méthode scientifique et pratique de conservation parfaite et de salage des peaux. Rev. Tech. des Indus. du Cuir 45:1-4. Jan.1953.
303.8 C89

48237 TOLEDANO CORROCHANO, J. La recuperación de nuestras industrias cárnicas. Rev. Sind. de Estadís. 7:22-24. Fourth Q.1952. 263 Es8B
Statistics for Spain.

48238 WILSON, C. D. Basicity in chrome tanning. Leather & Shoes 125(8):56-57,138,140-142. Feb.21,1953.
303.8 H53

Statistics

48239 AGNELL-RADHE, A. L. The output of animal products in various parts of the country and on farms of varying size. (In Swedish.) Jordbrekon. Meddel. 15: 2-13. Jan.1953. 257.3 J76
English summary.

48240 BERTL, H. Die entwicklung des viehbestandes in Niederösterreich und Osterreich im jahre 1952. Landwirtschaft 3/4:56-57. Feb.1953. 19 L235
Statistics.

48241 DOWNEY, L. A., and GRAYSON, A. R. Live stock in Victoria; geographical distribution. 3-4. Victoria. Dept. Agr. J. 50:539-544. Dec.1952. 23 V66J
3, Pigs; 4, Horses.

48242 ILLNER, F. Die schweinebestände in Bayern; ergebnis der schweinezählung vom 3. September 1952. Bayern in Zahlen 6:429-431. Dec.1952. 265 B34

48243 NORDQUIST, A. V. Cattle numbers rise, reduction in hogs, however, expected to about offset increased marketings of cattle. Agr. Situation [Washington] 37(3):3-4. Mar.1953. 1 Ec7Ag

48244 PATON, W. N. Classification of farm holdings emphasises, predominant place of livestock farming. New Zeal. J. Agr. 86:44-46. (Concl.) Jan.15,1953.
23 N48J
Farming statistics.

48245 PLUM. Neue einschränkung des schweinenachwuchses; (ergebnisse der viehzählung vom 3. 12. 1952). Landwirt. Z. der Nord-Rheinprov. 120:193. Feb.14,1953.
18 L2344

48246 SOMMERKAMP. Was besagen die ergebnisse der letzten viehzählung? Landwirtbl. Weser-Ems 100: 112-114. Jan.29,1953. 18 L2345

48247 U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock report, Janurary 1, 1953. Austin,1953.
2 p. 1.941 H8L7555
Also similar report issued from Helena.

48248 U. S. BUR. OF AGRICULTURAL ECONOMICS. Early spring lamb crop, 1953. Washington,1953. 2 p.
1.9 Ec742E

48249 U. S. BUR. OF AGRICULTURAL ECONOMICS. Sheep and lambs on feed, January 1, 1953. Washington, 1953. 2 p. 1.941 H8Sh32

OILS AND OILSEEDS

48250 ABU-NASR, A. M., and POTTS, W. M. The analysis and characterization of the oil from the seed of Citrullus colocynthis. Amer. Oil Chem. Soc. J. 30:118-120. Mar.1953. 307.8 J82

48251 ADAR. Structure and composition of fats and oils. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 35:43-44. Jan.15,1953.
308.8 R52

48252 AGGARWAL, J. S. Chemistry and utilization of castor oil. Oils & Oilseeds J. 5(7):6-9. Ref. Jan.1953.
307.8 Oi54

48253 AIRES, S. J., and VERITY, E. J. Future trends for cottonseed oil prices. Cotton Gin & Oil Mill Press 54(5):12,30-31. Feb.28,1953. 304.8 C822

48254 ALBERTARIO, P. The State supply of oil from oil seeds. (In Italian.) Olivicoltura 8:5-7. Jan.1953.
80 OL42
Italy.

48255 ALDECOA, J. M. La soja y su aceite en el mundo. B. de Oleicult. Internac. 2(11):65-104. Nov./Dec. 1952. 307.8 B63

48256 ALLEN, R. R., and BUSWELL, R. J. Determination of the methoxyl content of fats. Amer. Oil Chem. Soc. J. 30:123-124. Mar.1953. 307.8 J82

48257 AMERICAN SOYBEAN ASSOCIATION. The soybean blue book, 1953. Hudson,1953. 160 p.
60.39 So92

48258 ANDERS, H. Zur analyse des unverseifbaren in fetten. Seifen-Ole-Fette-Wachse 79:28-30. Jan.21, 1953. 307.8 Se4

48259 ARUTIUNIAN, N. S., MATSUK, IU, P., and MINAKOV, D. D. Investigation of Crambe seeds and oil. (In Russian.) Masl.-Zhir. Promysh. 17(11):4-6. Nov. 1952. 307.8 M37

48260 BENNETT, H., PEARMAN, R. W., and RAYMOND, W. D. Moringa acid oil (fatty acids from ben oil) from East Africa. Colon. Plant & Anim. Prod. 3:55-57. 1952/53. 472 C71

48261 BHATI, A. The essential oil from the leaves of guava Psidium guayava, Linn. I. Allahabad variety. Perfumery & Essential Oil Rec. 44:46-49,56. Feb.1953.
308.8 P41

48262 BLASI, F. Operaciones complementarias de la obtención del aceite por expresión. III. B. de Oleicult. Internac. 2(9):23-31. July/Aug.1952. 307.8 B63
English summary, p. 83-85.

48263 BLASI, F. Operaciones complementarias de la obtención del aceite por expresion. IV. B. de Oleicult. Internac. 2(10):43-46. Sept./Oct.1952. 307.8 B63
English summary, p. 114-115.

48264 BORRAS, T. El olivo en el folklore. B. de Oleicult. Internac. 2(11):105-119. Nov./Dec.1952.
307.8 B63

48265 BROWN, E., and MATTHEWS, W. S. A. Basil oil from Tanganyika. Colon. Plant & Anim. Prod. 3:57-60. 1952/53. 472 C71

48266 CANNATA, U. The table olive. (In Italian.) Alimentazione 3:20-23. Jan.1953. 389.8 AL45
The industry in Italy.

48267 CARRANTE, V., STRUSI, A., and DONNO, S. DE. Second contribution to the experiments on oil making. (In Italian.) Ann. della Sper. Agr. (n.s.)7:241-288. 1953. 16 An76
English summary.
Olive oil.

48268 CASTORINA, S. Industrial yield and acidity of the oil in relation to the duration of maceration of the olives. (In Italian.) Olivicoltura 7(12):3-5. Dec.1952.
80 AL42

48269 CATTANEO, P., KARMAN DE SUTTON, G., and RODRIGUEZ, M. L. Composición química del aceite de semilla de "Ilex paraguariensis." Argentina. Dir. Nac. de Quím. An. 5(9):9-12. 1952. 385 Ar33

48270 CHAULEUR, P. Marseille et le problème des oléagineux; la concurrence des huileries métropolitaines et africaines doit s'harmonsier dans le cadre d'une politique cohérente du développement des oléagineux à l'échelle de l'Union Française. Marchés Colon. du Monde 9:737-743. Mar.7,1953. 286.8 M33

48271 COCHRAN, R. F. 1952 crop tung nut price support program. Amer. Tung News 4(2/3):5,15. Feb./Mar.1953. 307.8 Am33

48272 COSENTINO, S. Seed and oil of olives. (In Italian.) Cam. di Com. Indus. e Agr. Bari B. (n.s.)36(12): 1-3. Dec.1952. 287 B232

48273 CULTRERA, R., and BUFFA, A. Stabilization of lemon oil with antioxidants. (In Italian.) Conserve e Derivati Agrumari 1(3):3-5. July/Sept.1952. 389.8 C7622

48274 DALMATOV, K. R. On ways of improving the production of rose oil. (In Russian.) Masl.-Zhir. Promysh. 18:19-21. Jan.1953. 307.8 M37

48275 DE VLIEGER, A. The other fellow's grass only looks greener; the world's sunflower-seed king tells what he learned about marketing from an experiment aimed at eliminating the "middleman." Farm Mangt. 2 (4):65-67,69-72. Mar.1953. 281.8 F2225

48276 DONATO, L. Olive oil in the "Pool"? (In Italian.) Mondo Agr. 4(4):1-2. Jan.25,1953. 16 M74

48277 DUFOUR, R. E., and CLOGSTON, C. C. The spontaneous ignition and dust explosion hazards of certain soybean products. Underwriters' Lab. B. Res. 47,26 p. Feb.1953. 296.69 Un2

48278 FAROOQ, M. O., KIAMUDDIN, M., and OSMAN, S. M. Chemical investigation of "karaffs" (English equivalent, celery, Apium graveolens, Linn.) seed oil. Rec. des Trav. Chim. des Pays-Bas 72:135-138. Feb.1953. 385 R24

48279 FINCKE, H. Zur bestimmung des schmelzpunktes von kakaobutter. Zucker- u. Süsswaren-Wirt. 6: 52. Jan.20,1953. 286.86 Z8

48280 GARCIA, A. Contenido de aceite en las aceitunas. (Sum.) Simiente 22:20. Jan./June 1952. 9.3 Si4

48281 GIL'DSHTEIN, N. N., and RZHEKHIN, V. P. In regard to evaluating the quality of sunflower seeds by their oil content. (In Russian.) Masl.-Zhir. Promysh. 17 (10):4-7. Oct.1952. 307.8 M37

48282 GILLILAND, C. B., and SMITH, T. B. Peanut snack—peanut spread. Mktg. Activ. 16:12-13. Jan.1953. 1.942 A8M34

48283 GILPIN, G. L., and others. Flavor of peanut products as affected by certain insecticides used in growing peanut crops. Food Technol. 7(3):132-135. Ref. Mar. 1953. 389.8 F7398
E. H. Dawson, E. L. Geissenhainer, and H. Reynolds, joint authors.

48284 GOLDOVSKII, A. M. Ways of obtaining high quality products from processing cottonseeds. (In Russian.) Masl.-Zhir. Promysh. 17(12):1-4. Dec.1952. 307.8 M37

48285 GONZALEZ LIBERAL, P. Las condiciones estructurales del aceite de algodón. B. de Oleicult. Internac. 2(11):5-36. Nov./Dec.1952. 307.8 B63

48286 GUENTHER, E., and LANGENAU, E. E. Essential oils and related products. Analyt. Chem. 25:12-17. Ref. Jan.1953. 381 J825A
Analysis.

48287 GUENTHER, E. Recent developments in the field of essential oils. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 35:18-23. (Cont.) Jan.15,1953. 308.8 R52

48288 HOFFMANN, G. Was ist die aufgabe des Forschungsinstitutes für Pflanzenöl und Seifenindustrie? (In Hungarian.) Magyar Kém. Lapja 8:54-56. Feb.5,1953. 385 M27

48289 IL'IN, S. S. On pulp preparation in an atmosphere of steam. (In Russian.) Masl.-Zhir. Promysh. 17(12):5-6. Dec.1952. 307.8 M37
Cottonseed processing.

48290 IRURZUN, P. M. La copra, en sus relaciones con el aceite de oliva y la economía española. B. de Oleicult. Internac. 2(11):53-63. Nov./Dec.1952. 307.8 B63

48291 JAGERSCHMIDT, H. L'économie du palmier à huile en Cote d'Ivoire. Oléagineux 8:153-156. Mar. 1953. 77.8 OL2

48292 JENSEN, E. A., and others. Research on cottonseed meals. Cotton Gin & Oil Mill Press 54(5):24-25,28. Feb.28,1953. 304.8 C822
M. Z. Condon, M. L. Karon, and A. M. Altschul, joint authors.
Processing.

48293 KLEEV, I. A. Active ventilation of [oil] seeds. (In Russian.) Masl.-Zhir. Promysh. 17(10):7-12. Oct. 1952. 307.8 M37

48294 KNOEPFLER, N. B., EAVES, P. H., and VIX, H. L. E. Preparation of cottonseed meats for filtration-extraction. Cotton Gin & Oil Mill Press 54(6):98-100. Ref. Mar.14,1953. 304.8 C822

48295 LETKIN, A. G. Soybean processing on the MP-21 screw presses. (In Russian.) Masl.-Zhir. Promysh. 18:6-7. Jan.1953. 307.8 M37

48296 LEVI DI LEON, N. Le contrôle de fabrication en huilerie. Colon. Franç. de Tunisie (ser.7)46(2259):3. (Cont.) Jan.31,1953. 24 C712

48297 LEWIS, A. J. Varnishes and paints from soybeans. Paint Indus. Mag. 68(2):7-10. Feb.1953. 306.8 D84

48298 LEWY-VAN SEVEREN, M. Aceituno seed fat. Amer. Oil Chem. Soc. J. 30:124-126. Mar.1953. 307.8 J82
Simaruba glauca.

48299 LIERA B., G. Conferencia sobre el olivo. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):27-31,60. Ref. Dec.1952. 8 G937M

48300 LINCHUK, K. F. Refractometric method of determining the oil content in food products. (In Russian.) Masl.-Zhir. Promysh. 17(12):12-13. Dec.1952. 307.8 M37

48301 MAFFEI, F. Effect of supersonic vibrations on vegetable oils. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1450-1452. July 1952. 442.8 So12

48302 MALAGON, R. Así se creó un cultivo y una industria. Hacienda 48(3):42-43. Mar.1953. 6 H11
Peanut processing in the Dominican Republic.

48303 MANGHISI, T. The olive in the agrarian transformation of southern Italy. (In Italian.) Olivicoltura 7 (12):9-10. Dec.1952. 80 AL42

48304 MENSIER, P. H. L'extraction de l'huile des amandes de coco fraiches. Oléagineux 8:75-78. (Cont.) Feb.1953. 77.8 OL2

48305 MENSIER, P. H. L'extraction de l'huile des amandes de coco fraiches. Oléagineux 8:131-134. (Cont.) Mar.1953. 77.8 OL2

48306 MORA SADABA, F. El cacahuet en la economía mundial. B. de Oleicult. Internac. 2(11):37-51. Nov./Dec.1952. 307.8 B63

48307 MORI, T., and others. On the study of the antioxidant for vitamin A enriched margarine. II. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:180-182. 1952. 389.9 J27
K. Naito, Y. Ozawa, and H. Kenbo, joint authors.

48308 NAIR, K. N. G., and NAIR, R. G. K. Travancore lemon-grass oil. Sci. Club J. 6:75-80. Sept./Nov. 1952. 475 Sci29
Cymbopogon citratus.

48309 OBARA, T., and KITAMURA, M. Studies on shiraki (Sapium japonicum) oil. (In Japanese.) Agr. Chem. Soc. Japan. J. 25:528-531. 1952. 385 Ag8
English summary.

48310 PERFUMERY AND ESSENTIAL OIL RECORD. Annual directory and buyers' guide, 1953 edition. London, 1953. 257 p. 308.9 P41

48311 POLSTIANOI, V. P. Rapid method of moisture determination in crushed oilseeds. (In Russian.) Masl.-Zhir. Promysh. 17(12):10-12. Dec.1952. 307.8 M37

48312 PONS, W. A. Gossypol material balance, denaturation of protein, and loss of thiamine in commercial processing of cottonseed. Amer. Oil Chem. Soc. J. 30:128-132. Ref. Mar.1953. 307.8 J82
M. D. Murray, M. F. H. LeBlanc, and L. E. Castillon, joint authors.

48313 RAO, M. N. S., and RAO, N. N. Patchouli oil. I. Soap 5(11):11-18. Ref Nov.1952. 307.8 So14

48314 RAO, M. N. S., and RAO, N. N. Patchouli oil. II. Soap 5(12):3-6. Dec.1952. 307.8 So14

48315 RICOLFI, H. L'olivier, communauté de trois continents. Feuilles d'Inform. Oléicoles Internatl. (n.s.) 12:267-270. Nov./Dec.1952. 80 F43

48316 ROSENBERG M., G., and BARAHONA Z., J. Como saldar el déficit de aceite comestible en Chile. Simiente 22:139-144. Jan./June 1952. 9.3 Si4
Includes discussion.

48317 ROSENBERG M., G., and GARCIA, A. Investigación sobre olivos. Simiente 22:123-125. Jan./June 1952. 9.3 Si4
Includes discussion.

48318 RZHEKHIN, V. P., and CHUDNOVSKAIA, M. A. On the relation between the phosphorus containing substances in vegetable oils and their ash content. (In Russian.) Masl.-Zhir. Promysh. 18:22-23. Jan.1953. 307.8 M37

48319 SAFINA, G., TRIFIRO, E., and SARA, R. Analysis of Sicilian citrus essential oils. (In Italian.) Conserve e Derivati Agrumari 1(3):6-13. July/Sept. 1952. 389.8 C7622

48320 SALE, J. W. Analysis of lemon oils. Assoc. Off. Agr. Chem. J. 36:112-119. Feb.15,1953. 381 As7

48321 SCHMALZBAUER, H. Die vielverwendbare sojabohne. L und E 6:14-15. Jan.1953. 389.8 Z34

48322 SCHUETTE, H. A., and KHAN, M. H. The hydrocarbons of ouricuri wax. Amer. Oil Chem. Soc. J. 30:126-128. Mar.1953. 307.8 J82

48323 SHAW, A. C. The essential oil of Thuja occidentalis L. Canad. J. Chem. 31:277- 283. Mar.1953. 470 C16B

48324 SINGH, M. Les oléagineux en Union Indienne. Rev. Internatl. des Prod. Colon. 28:41-42. Feb.1953. 286.8 R326
Situation.

48325 SKIPIN, A. I. Processing cottonseeds in the preparatory tank of S-4 assembly together with FP and EP screw presses. (In Russian.) Masl.-Zhir. Promysh. 17(10):31-32. Oct.1952. 307.8 M37

48326 SMALL, W. S. Wider dissemination of castor bean allergen; factors presaging increasing incidence of disease in California. Calif. Med. 78:117. Feb.1953. 448.8 C12

48327 STANSBURY, M. F,, HOFFPAUIR, C. L., and HOPPER, T. H. Influence of variety and environment on the iodine value of cottonseed oil. Amer. Oil Chem. Soc. J. 30:120-123. Ref. Mar.1953. 307.8 J82

48328 TAUFEL, K. Das fett in seiner wechselwirkung mit anderen konstituenten der lebensmittel. Fette u. Seifen 55:23-25. Jan.1953. 384 C422

48329 TĪŪTĪŪNNIKOV, B. N., and FRAIER, B. Investigation in the field of hydrogenation of fats. (In Russian.) Masl.-Zhir. Promysh. 18:7-10. Jan.1953. 307.8 M37

48330 TĪŪTĪŪNNIKOV, B. N., and GOL'DBERG, K. M. On chemical processes which take place during the oxidation of oils by oxygen from the air. (In Russian.) Masl.-Zhir. Promysh. 17(10):16-21. Oct.1952. 307.8 M37

48331 U. S. PRODUCTION AND MARKETING ADMIN. Cottonseed; methods of chemical analysis and grade calculations approved by the director, Cotton Branch, Production and Marketing Administration. Rev. Washington,1952. 22 p. 1.9422 G33C82

48332 VANDERWEYEN, R. Comment déterminer la richesse en huile des fruits ou des régimes d'une palmeraie? Inst. Natl. pour l'Etude Agron.du Congo Belge. B. d'Inform. 2:31-50. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb.1953. 24 K83

48333 VINCENT, G. Notre consommation de graisses alimentaires en 1951. Belg. Lait 7(29):7-9. (Cont.) Jan.1953. 44.8 B412

48334 VIZERN. Caractérisation de l'huile de pulpes d'olive raffinée. Ann. des Falsif. et des Fraudes 46 (529/530):31-35. Jan./Feb.1953. 389.8 An72

48335 WATZINGER, F. Quantitative bestimmung des arsens in mit aliphatischen oder aromatischen arsinen begiftetem fett. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:313-315. Nov.1952. 384 Z39

48336 WHEELER, D. H., FOSTER, R. J., and BERRY, A. P. Fractionation of tall oil. Amer. Paint. J. 37(24):62,64,66-67,70,72. Ref. Mar.2,1953. 306.8 Am32

48337 WINKLER, W. O. Methods for the examination of lemon oil. Assoc. Off. Agr. Chem. J. 36:119-123. Feb.15,1953. 381 As7

48338 ZAKURDAEV, P. D. Processing uncrushed cottonseeds on screw type extraction equipment. (In Russian.) Masl.-Zhir. Promysh. 17(10):13-15. Oct.1952. 307.8 M37

48339 ZHURAVLEV, A. P. New method of drying sunflower seeds. (In Russian.) Masl.-Zhir. Promysh. 18:4-5. Jan.1953. 307.8 M37

POULTRY AND POULTRY PRODUCTS

48340 ABBEY, P. R. Poultry parts are high profit items. Va. Foodsman 14(2):11,22. Feb.1953. 286.28 V81

48341 ABBOTT, J. Poultry marketing in Bay Area. Calif. Agr. [Calif. Sta.] 7:2. Jan.1953. 100 C12Cag

48342 ADAM, T. Refrigeration and its application to the poultry industry. Victorian Poultry J. 39(5):21,23. Dec.1,1952. 47.8 V662
Cold storage of eggs and poultry.

48343 ALBERTI, F. Vom fischen im trüben. Deut. Wirtgeflügelzucht. 5:262-263. Feb.14,1953. 47.8 D483
Egg marketing and egg quality.

48344 ALP, H. H. A challenge to poultrymen. Ohio Farm Bur. News 32(7):10-11. Feb.1953. 6 Oh34
Poultry industry happenings and the question of future expansion.

48345 AVERBAKH, A. Heat treatment of poultry before plucking. (In Russian.) Mīāsnaīā Indus. SSSR. 24:82. Jan./Feb.1953. 50.8 M58

48346 BANDELIN, F. J., and TUSCHHOFF, J. V. Pharmaceutical and cosmetic application of egg oil. Amer. Pharm. Assoc. J. Pract. Pharm. Ed. 14:106-107, 120. Feb.1953. 396.9 Am33Ja

48347 BAUM, E. L., FARIS, J. E., and WALKUP, H. G. Use of synthesized models to determine broiler processing plant economies. Poultry Sci. 32:111-118. Jan.1953. 47.8 Am33P

48348 BEYERS, H. A smaller turkey crop needed! Turkey industry calls for cut in 1953 production! Norbest Turkey News 17(8):1,7. Feb.1953. 47.38 N75

48349 BIGGS, G. W. Broiler production in New York State 1951-1952. N. Y. Agr. Col. A. E. 846,33 p. Feb. 1953. 281.9 C81

48350 BIRTH, A. K. This calculator helps you sell eggs by the pound and dozen. Everybodys Poultry Mag. 58(3):28-29. Mar.1953. 47.8 F213P
Egg buyer's guide.

48351 BUIATTI, P. G. National poultry conference. (In Italian.) Agr. Tosc. 7:421-422. Dec.1952. 16 Ag827

48352 COLVIN, E. M. Weak spots in poultry marketing sought through research. Agr. Situation [Washington] 37(2):9-10. Feb.1953. 1 Ec7Ag

48353 CUSHMAN, H. E. To get and keep eggs top grade take these 5 steps. Mont. State Col. Ext. C. 239,6 p. May 1952. 275.29 M76Ci

48354 DEETJEN, G. Eierwaschmaschine. Eier-, Wild-, Geflügel- und Honig-Markt 5(30):1. Mar.11,1953. 280.38 Ei3

48355 EDMONDS, C. C. Annual message; the saga of the Leghorn hen and lowly egg in this area is a story of romance and achievement. Utah Poultry Co-op. 17(7):5-7,11-12,20-22. Mar.1953. 280.28 Ut1
Utah Poultry and Farmers' Co-operative.

48356 ESKELUND, K. H. The Indiana Livestock Sanitary Board serves the poultry industry. Ind. Poultry Blue Book 1953:82,84-85,87. 47.9 In2

48357 FALEEV, R. Utilization of overhead conveyer on slaughterhouse line of poultry dressing. (In Russian.) Mīāsnaīā Indus. SSSR. 24:49-50. Jan./Feb.1953. 50.8 M58

48358 FERRE, C. K. Utah poultry laying good youth foundation. News Farmer Coop. 19(11):7. Feb.1953. 166.2 N47
Utah Poultry and Farmers' Cooperative and its program of youth education.

48359 FORSYTHE, R. H. Sugar removal from egg white solids. Poultry Processing & Mktg. 59(3):17,22-24 27-28. Mar.1953. 286.85 Eg3

48360 GOERTZ, G. E. Organoleptic, histological, and chemical characteristics of fresh and frozen stored turkey fed on high-density and low-density rations. (Abs.) J. Home Econ. 45:209. Mar.1953. 321.8 J82

48361 HYRE, H. M., and HASH, T. R. Look at the broiler business. W. Va. Agr. Col. Ext. C. 363,12 p. Jan. 1953. 275.29 W522C

48362 JOHNDREW, O. F. What the consumer wants in a broiler chicken. Poultry Supply World 29(12):16-17. Dec.1952. 47.8 B11

48363 KAPLER, K. Egg marketing. Organized Farmer 12(2):12-13. Feb.1953. 281.8 Or32

48364 KASTNER, F. Ketzereien zur eiereinlagerung. Eier-, Wild-, Geflügel- u. Honig-Markt 5(27):1-2. Mar. 4,1953. 280.38 Ei3

48365 KILCHER, H. Reiseeindrücke von einer studienreise durch Dänemark. Geflügelhof 16:23-25. (Cont.) Jan.16,1953. 47.8 G276
Chiefly on the poultry industry in Denmark.

48366 KILCHER, H. Reiseeindrücke von einer studienreise durch Dänemark. Geflügelhof 16:54-56. (Cont.) Jan.30,1953. 47.8 G276
Poultry industry.

48367 KLEIN, G. T. Public relations for the poultry industry. Amer. Poultry J. East. Ed. 84(3):10,32-33. Mar.1953. 47.8 Am32

48368 KOHLS, R. L. Outlook for poultry and eggs in 1953. Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers, Feb.25,1953:3-4. 275.29 In2Em

48369 KYRNING, S. On the chemical assay of vitamin A and carotenoids in hen's eggs. Internatl. Z. f. Vitaminforsch. 24:263-271. Ref. 1952. 389.8 Z33

48370 LOWRIE, A. W. Revolving capital in Poultry Producers of Central California. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:262-265. 1952. 284.29 In82

48371 LUTSENKO, M. N. Development of poultry industry in U.S.S.R. (In Russian.) Ptitsevodstvo 1:2-4. Jan.1953. 47.8 P95

48372 MILNE, T. The poultryman's year—looking back on 1952. Scot. Farmer 61(3141):174-175. Jan.1, 1953. 10 Sco8

48373 MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. How to cut turkey by the piece. Mo. Agr. Col. Ext. Folder 21,6 p. Nov.1952. 275.29 M69FoL

48374 MOORE, J., and CAKE, E. W. Future prospects for Florida turkey market and prices. Fla. Poultry & Farm J. 19(3):15. Mar.1953. 47.8 F66

48375 MORTENSON, E. P. Egg marketing program expands. Ext. Serv. Rev. 24:13,15. Jan.1953. 1 Ex892Ex

48376 MOUNTNEY, G. The "low down" on scalding temperatures. Amer. Poultry J. East. Ed. 84(2):10,38. Feb.1953. 47.8 Am32

48377 NADEN, K. D., and JACKSON, G. A. Will consumers buy graded chickens? Broiler Growing 4(3):15, 59-60. Mar.1953. 47.8 B782

48378 OHLWILER, E. O. Auxiliary president's message. Utah Poultry Co-op. 17(7):14. Mar.1953. 280.28 Ut1
Utah Poultry and Farmers' Co-operative.

48379 ORLOVSKIĬ, V. Drying of egg mixture on drying equipment. (In Russian.) Miasnaia Indus. SSSR. 23(6):79-80. Nov./Dec.1952. 50.8 M58

48380 REDDITT, J. R. Financing mistakes upset good marketing. (Abs.) Poultry Indus. [Boston] 59(3):18-19. Mar.1953. 47.8 N44

48381 RINGROSE, A. T. Bruised poultry challenge processors' profits. Soeast. Poultryman 6(2):7,24-25. Feb.1953. 47.8 So872

48382 ROHE, H. R. Progress report for 1952 outlined. Eggsaminer 30(2):2,12-13. Feb.1953. 286.85 Eg32
Oregon Egg Producers.

48383 SAMAT. Prix du poulet pour la Noël. Réveil Agr. 62:42. Feb.1,1953. 13 R322
France.

48384 SARAZÁ ORTIZ, R. Normas de fomento avícola. Avicult. Téc. 5:176-183. Ref. Dec.1952. 47.8 Av57
The industry in Spain.

48385 SNYDER, E. S., and ORR, H. L. Market possibilities and yields of goslings dressed at various ages. Poultry Sci. 32:181-182. Jan.1953. 47.8 Am33P

48386 STEWART, G. E. Is your package producing the best results? (Abs.) Poultry Indus. [Boston] 59(3):5. Mar.1953. 47.8 N44

48387 SWEET, M. Are small turkeys a good buy? Eggsaminer 30(2):6-7,22. Feb.1953. 286.85 Eg32
Yields of meat.

48388 TUKKER, J. G. Outlook for poultry raising. (In Dutch.) Landbode 7(6):1-2. Feb.5,1953. 12 L234
Netherlands.

48389 U. S. BUR. OF AGRICULTURAL ECONOMICS. Chicks placed weekly in important broiler areas in 1952. Washington,1953. 4 p. 1.941 H8C4322

48390 U. S. BUR. OF AGRICULTURAL ECONOMICS. Monthly egg production, 1951-52. Washington,1953. 14 p. 1.942 D22M76

48391 U. S. BUR. OF AGRICULTURAL ECONOMICS. Young chickens, hens and pullets of laying age, potential layers and rate of lay on first of month on farms, 1951-53. Washington,1953. 5 p. 1.941 H8C432

48392 U. S. PRODUCTION AND MARKETING ADMIN. List of plants operating under the poultry and poultry products, inspection and grading programs; supplement No. 1. Washington,1953. 9 p. 1.956 P86L692

48393 WEGNER, H. O. Have egg auctions outlived their usefulness? N. J. Farm & Gard. 24(3):58-60. Mar. 1953. 6 G162

48394 WILLIAMS, H. M. "Assembly line" methods spur growth in poultry sales. Quick Frozen Foods 15(8): 128-129,354,356-357. Mar.1953. 389.8 Q4

48395 WILSON, M. L. Elkhart County Poultry Association. Ind. Poultry Blue Book 1953:92-94. 47.9 In2

48396 WILSON, M. L. The Indiana turkey industry. Ind. Poultry Blue Book 1953:62,78. 47.9 In2

48397 WINTER, A. R., BURKART, B., and WETTLING, C. Effectiveness of dry and wet cleaning methods studied for cleaning eggs. Ohio Farm & Home Res. [Ohio Sta.] 38(280):10-11. Jan./Feb.1953. 100 Oh3S

48398 WRIGHT, M. M. British expert looks over American poultry production methods. Poultry Field 5 (22):22-24. Mar.12,1953. 47.8 P8655

48399 ZICH, G. E. Readjustement is inevitable. Poultry Processing & Mktg. 59(4):13,26. Apr.1953. 286.85 Eg3
Planning in the poultry industry.

RUBBER AND RUBBER SUBSTITUTES

48400 ALLIROT, R., and ORSINI, L. Sur la structure des caoutchoucs chlorés. Rev. Gén. du Caoutchouc 30:42-45. Ref. Jan.1953. 305.8 R32
English summary, p. 48.

48401 BANIGAN, T. F. Differential migration of rubber by reversed-phase partition chromatography. Science 117:249-250. Ref. Mar.6,1953. 470 Sci2

48402 BANIGAN, T. F. Diffusion phenomena in solvent deresination of guayule rubber. Indus. & Engin. Chem. 45:577-581. Ref. Mar.1953. 381 J825

48403 BEKKEDAHL, N. Natural and synthetic rubbers. Analyt. Chem. 25:54-64. Ref. Jan.1953. 381 J825A
Analysis.

48404 BELDERBOS, C. Le caoutchouc, richesse pour les pays tropicaux, confort pour l'humanité. Gent. Foire Internatl. Annu. Colon. 2:39-46. 1952. 280.9 G34
The industry.

48405 CLOUAIRE, J. Contribution à l'étude du séchage du caoutchouc de plantation. I. Rev. Gén. du Caoutchouc 30:34-38. Jan.1953. 305.8 R32
English summary, p. 48.

48406 CLOUAIRE, J. Contribution à l'étude du séchage du caoutchouc de plantation. II. Rev. Gén. du Caoutchouc 30:113-117. Ref. Feb.1953. 305.8 R32
English summary, p. 122.

48407 COX, J. T. Rubber. Chem. & Engin. News 31:35-36. Jan.5,1953. 381 J825N

48408 DORRIS, T. B. Fiber-free rubber for reclaim. Rubber India 4(11):23-28. (Cont.) Nov.1952. 305.8 R829

48409 EIDT, R. C. Plantaciones de caucho en el Brasil: Fordlandia y Belterra. Agr. Trop. 9:17-26. Jan. 1953. 26 Ag8

48410 FISHER, H. K. Evolution de l'emploi du caoutchouc dans les revêtements routiers bitumineux. Rev. Gén. du Caoutchouc 30:4-6. Jan.1953. 305.8 R32

48411 HERBETTE, F. Les producteurs de caoutchouc du Sud-Est Asiatique et le problème du stock régulateur. Rev. Gén. du Caoutchouc 30:17-18. Jan. 1953. 305.8 R32

48412 KITIYAKARA, M. R. K. Our rubber industry. Bangkok Chamber Com. J. 6(12):2,5-6. Dec.1952. 287 B225

48413 MORRELL, S. H., and STERN, J. Crystallisation and tensile strength of vulcanised natural rubber compounds. Brit. Rubber Prod. Res. Assoc. P. 168;269-277. Ref. 1952. 305.9 B772

48414 NOVIKOV, A. S., and others. Relation of principal properties of mixtures and latex from butadiene-styrol rubbers to the quantity of their initial molecular weight. (In Russian.) Kolloid. Zhur. 15:51-59. Ref. Jan./Feb.1953. 385 K83
M. B. Khalkina, T. V. Dorokhina, and M. I. Arkhangel'skaia, joint authors.

48415 PUIG, J. B. El caucho considerado como fibra textil. Rev. Indus. y Fabril 8(76):26-29. Jan.1953. 297.8 R322

48416 REZNIKOVSKIĬ, M. M., IUROVSKAIA, V. S., and DOGADKIN, B. A. Investigations in the field of rubber vulcanization. XI. Effect of degree of vulcanization on internal friction of unfilled rubbers from butadiene-styrol rubber. (In Russian.) Kolloid. Zhur. 14: 444-455. Ref. 1952. 385 K83

48417 RIVLIN, R. W., and THOMAS, A. G. Rupture of rubber. I. Characteristic energy for tearing. J. Polymer Sci. 10:291-318. Mar.1953. 381 J829

48418 SCHOON, T. Purified rubber. (In Dutch.) Bergcultures 22:23,25,27. Ref. Jan.16,1953. 22.5 B45
English summary.

48419 STEWART, W. D., CRAWFORD, R. A., and MILLER, H. A. Defibering of ground rubber scrap with cellulose-decomposing fungi; a practical commercial process. India Rubber World 127:794-796,801. Mar. 1953. 305.8 In2

48420 STIEHLER, R. D., and ROTH, F. L. Vulcanization characteristics of natural rubber. India Rubber World 127:783-790. Ref. Mar.1953. 305.8 In2

48421 TULAYAKANIT, C. Improving the quality of smoked sheet rubber. (In Siamese.) Kasikorn 25:367-378. Sept.1952. 22.5 K15
English summary.

48422 WATSON, W. F. Cold mastication of rubber. Inst. Rubber Indus. Trans. 29:32-41. Feb.1953. 305.9 In7
Includes discussion.

SEEDS

48423 CLARK, B. E., and LITTLE, H. B. The quality of seeds on sale in New York as revealed by tests completed in 1952. N. Y. (State) Agr. Expt. Sta. B. 757,49 p. Jan.1953. 100 N48

48424 ENGE, G. Dutch seed control. (In Swedish.) Lantmannen 37:152-153. Feb.14,1953. 11 L234

48425 EVANS, G. Certification of herbage seed crops. Agr. Merchant 33:47-49. Feb.1953. 10 Ag89

48426 HARING. Die versorgung mit saatgut für die kommende frühjahrssaat. Württemb. Wchnbl. f. Landwirt. 120:163-165. Feb.14,1953. 18 W96

48427 HOFFMANN, G. Tischausleser für die saatgutveredlung. Deut. Agrartech. 3:17-19. Jan.1953. 58.8 D482

48428 IOWA CROP IMPROVEMENT ASSOCIATION. Certification hand book, 1953. Ames,1953. 44 p. 225 Io97

48429 KLIMOV, P. T. Experience of a seed-growing kolkhoz. (In Russian.) Selek. i Semen. 20:76-80. Jan. 1953. 61.9 Se5
Cleaning and drying equipment.

48430 KLOTH. Die auslese des saatgutes. Landbforsch. Völkenrode 3:3. Jan.1953. 18 L2353
Grading.

48431 KNUDSEN, A. F. Production and marketing of field and garden seed in Canada. (In Danish.) Tidsskr. f. Frøavl 21:108-111. Feb.10,1953. 61.8 T43

48432 KNUDSEN, A. F. Seed crops and seed supply in America in 1952. (In Danish.) Tidsskr. f. Frøavl 21: 91-96. Jan.10,1953. 61.8 T43

48433 KONING, H. Farm economic observations on grass seed production. (In Dutch.) Landbode 7(5):2. Jan.29,1953. 12 L234

48434 KUMMER, H. Ein praktischer probestecher für die probenahme von sämereien und futtermitteln. Bad. Landwirt. Wchnbl. 120:255. Mar.14,1953. 18 B142

48435 KUMMER, H. Ein praktischer probestecher für die probenahme von sämereien und futtermitteln. Saatgut-Wirt. 5:9-10. Jan.1953. 61.8 Sa1

48436 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Certified seed oats for 1953. North. Ireland. Min. Agr. Mon. Agr. Rpt. 27:300-301. Feb.1953. 256.13 Ag82M

48437 OSHEV, A., and SHCHEPETKOV, A. Removing ergot from rye seeds. (In Russian.) Selek. i Semen. 19(12):71. Dec.1952. 61.9 Se5

48438 PAPASOLOMONTOS, A. Sow reliable seed. Countryman [Nicosia] 6(11):16-17. Nov.1952. 25 C83

48439 PENNSYLVANIA. DEPT. OF AGRICULTURE. Seed analyses report for the year 1952. Harrisburg, 1953. 13 p. 2 P38B

48440 RAMOS, J. C. The seed for planting. Philippines. Bur. Plant Indus. Plant Indus. Digest 16:9-10. Jan. 1953. 25 P544P
The seed industry in the Philippines and the need for high quality seeds for planting.

48441 SATYABANDHU, C. The importance of the annual rice seed show and competition. (In Siamese.) Kasikorn 25:434-439. Sept.1952. 22.5 K15
English summary.

48442 SIEBENGA, J. Aspects of American seed marketing. (In Dutch.) Nieuwe Veldbode 19:438-439. Feb.26,1953. 12 V542N

48443 TEXAS. SEED AND PLANT BOARD. DIV. FIELD SEED CERTIFICATION. 1952 seed directory. Austin,1952. 30 p. 225 T3152

48444 THIELEBEIN, M. Zur saatgutversorgung Westeuropas. Landbforsch. Völkenrode 2:88-89. Oct. 1952. 18 L2353

48445 THOMAS, M. D. Seed market reports. Oreg. Seed Growers League Proc. 11:63-64. 1952. 61.9 Or3

48446 TROTZIG, E. The question of seed for the 1953 crops. (In Swedish.) Holmberg (Algot) Arsb. 1953: 2-3. 86 H73
Quality.

48447 U. S. BUR. OF AGRICULTURAL ECONOMICS. Vegetable seeds: acreage, yield, production, stocks, supply, and disappearance 1939-50, by kinds, by G. C. Edler, T. J. Kuzelka, and R. H. Sutherland. Washington, 1952. 13 p. 1.941 H2V523

48448 VERDEREVSKII, D., and others. New, sulfuric acid, mechanical method of delinting cotton seeds for planting. (In Russian.) Khlopkovodstvo 12:64-67. Dec. 1952. 72.8 K522
P. Lukashevich, N. Leont'eva, and A. Trubnikov, joint authors.

48449 VISSER, J. Selling farm seeds (especially grass and clover seeds and forage beet seeds) and the fixing of profit margins. (In Dutch.) Zaadbelangen 7:3-4. Jan.15,1953. 61.8 Z1

48450 WALTEROP, J. A. VAN. New regulations in regard to marketing of horticultural seeds. (In Dutch.) Zaadbelangen 6:256-257. Dec.15,1952. 61.8 Z1

48451 WEIBULL, G. The cold storage of vegetable seed and its significance for plant breeding and the seed trade. Agri Hortique Genet. 10:97-104. Ref. 1952. 64.8 Ag8

SUGAR AND SIRUPS

48452 ALSTON, P. W. Determination of sucrose in sugar beets. Amer. Soc. Sugar Beet Technol. Proc. 7: 710-711. 1952. 66.9 Am35

48453 ANDRES, P. Repetitorium der zuckertechnik. Z. f. die Zuckerindus. 2:423-424. (Cont.) Dec.1952. 65.8 D48

48454 ANDREWS, L. H. Beet receiving and storage. Amer. Soc. Sugar Beet Technol. Proc. 7:660-664. 1952. 66.9 Am35

48455 ARMER, A. A. Piling of beets from railroad cars. Amer. Soc. Sugar Beet Technol. Proc. 7:641-643. 1952. 66.9 Am35

48456 AVERBUKH, D. M. Organization of socialist competition to reduce net cost of production of each separate operation. (In Russian.) Sakh. Promysh. 26(11):4-6. Nov.1952. 65.8 Sa2

48457 AXELSON, J. W., and CLAASSEN, G. E. The performance of the 1951 models of the Molnau screen. Amer. Soc. Sugar Beet Technol. Proc. 7:637-640. 1952. 66.9 Am35

48458 BATT, G. E., and DUCE, R. Papel del bagazo de caña. Tierra Libre 16(12):4-5. (Cont.) Dec.1952. 8 T443

48459 BAXA, J. Honig und süssigkeiten bei Plutarch. Z. f. die Zuckerindus. 3:27-29. Jan.20,1953. 65.9 D48

48460 BISHOP, C. T. Chromatography of sugars. Chem. Canada 5(2):39-42. Ref. Feb.1953. 381 C4236

48461 BONNET, E. La sucrerie de canne en Guadeloupe. Rev. Internatl. des Prod. Colon. 28(280):3,5. Jan.1953. 286.8 R326

48462 BOYD, T. D. Record of sugar and alcohol in sugar factories made in kilos of saccharose and kilos of invert sugar. (In Portuguese.) Bras. Açucareiro 40:497-498. Oct.1952. 65.8 B73

48463 BRONSHTEIN, D. G. Use of activated carbon of the "Carborefin" type in sugar refining plants. (In Russian.) Sakh. Promysh. 26(12):20-22. Dec.1952. 65.8 Sa2

48464 BROWN, R. J., and SERRO, R. F. Isolation and identification of O-α-D-galactopyranosyl-myo-inositol and of myo-inositol from juice of the sugar beet (Beta vulgaris). Amer. Chem. Soc. J. 75:1040-1042. Mar.5,1953. 381 Am33J

48465 BUDE, R. Die vorteile der zuckerverpackung in 50-kg-papiersäcken. Z. f. die Zuckerindus. 2:420. Dec.1952. 65.8 D48

48466 CHELLASAMY, D. G. Palm gur industry and co-operative societies. Madras J. Co-op. 44:309-310. Dec.1952. 280.28 M26

48467 COUTINHO, N. Notes and observations on the sugar economy. (In Portuguese.) Bras. Açucareiro 40: 485-488. Oct.1952. 65.8 B73

48468 DANIELS, E. M. Two screens for receiving stations and their trash removing properties. Amer. Soc. Sugar Beet Technol. Proc. 7:631-636. 1952. 66.9 Am35

48469 DANIELS, R. M. Mud and trash handling. Amer. Soc. Sugar Beet Technol. Proc. 7:765-768. 1952. 66.9 Am35

48470 DEVILLERS, P. Observations chromatographiques sur divers produits des sucreries françaises. Indus. Agr. et Aliment. 70:17-24. Ref. Jan.1953. 383 As7
English summary.

48471 DOSS, K. S. G., GUPTA, K. K., and RAO, D. L. N. Effect of sugar and sugar products on the electric double layer capacity and its possible application in the sugar field. Sugar Technol. Assoc. India. Proc. 21:40-60. Ref. 1952. 65.9 Su33P

48472 FAUSEL. Rübenabnahme 1952 und anbau 1953. Bad. Landwirt. Wchnbl. 120:132. Feb.7,1953. 18 B142

48473 FORT, C. A., and SMITH, B. A. Reverse cycle demineralization of sugarcane juices with ion-exchange resins. Sugar J. 15(9):16,18,22-25. Feb.1953. 65.8 Su391

48474 FOX, C. D. Handling and treatment of dried beet pulp. Amer. Soc. Sugar Beet Technol. Proc. 7:719-724. 1952. 66.9 Am35

48475 GADDIE, R. S., and TOLMAN, B. Large scale supplemental ventilation of sugar beets stored for 106 days. Amer. Soc. Sugar Beet Technol. Proc. 7:644-647. 1952. 66.9 Am35

48476 GASKILL, J. O., and SELISKAR, C. E. Effect of temperature on rate of rotting of sugar-beet tissue by two storage pathogens. Amer. Soc. Sugar Beet Technol. Proc. 7:571-574. 1952. 66.9 Am35

48477 GERUS, G. M. Determination of production capacity of sugar factories by output. (In Russian.) Sakh. Promysh. 26(11):23-24. Nov.1952. 65.8 Sa2

48478 GRAY, W. K. Modern trends in beet sugar operations. Amer. Soc. Sugar Beet Technol. Proc. 7:25-29. 1952. 66.9 Am35

48479 HECKER, F. C. Wechselbeziehungen zwischen zuckerindustrie und rübenbauender landwirtschaft in Süddeutschland. Ausbild. u. Beratung in der Landwirt. 6: 36. Feb.1953. 18 N11

48480 HIRSCHMULLER, H., and ZABLINSKY, K. Farbtypen deutscher verbrauchszucker. Z. f. die Zuckerindus. 3:17-18. Jan.20,1953. 65.8 D48
English summary.

48481 HOLLO, J., and RETTER, K. New method of cold preparing and purifying of beet juice in one procedure. (In Hungarian.) Elelmezési Ipar 7:7-8. Jan.1953. 290.9 M57
English summary, back cover.

48482 HOLMES, A. W., and NICHOLES, P. S. A simple method for the determination of clostridium thermosaccharolyticum in sugar. Amer. Soc. Sugar Beet Technol. Proc. 7:696-699. Ref. 1952. 66.9 Am35

48483 INTERNATIONAL SUGAR COUNCIL. Report to the Secretary of State from the United States Delegation to the meeting of the Special Committee, held at London, England, September 30-October 3, 1952. n.p., 1952. 12 p. 286.3659 In82R

48484 IRAIZOZ, A. Hay que salir del azúcar. Tierra Libre 16(12):19. Dec.1952. 8 T443
Cuba.

48485 JOSHI, B. C. Development of palm gur industry in India. Sugar Technol. Assoc. India Proc. 21:134-143. Ref. 1952. 65.9 Su33P

48486 KAPIL, Y. P., and MUKHERJEE, S. Sugar cane wax. I. Sugar Techol. Assoc. India. Proc. 21: 117-123. Ref. 1952. 65.9 Su33P

48487 KORAB, H. E. Bottlers' sugar standards ok'd. Food Engin. 25(3):82-83. Mar.1953. 389.8 F737

48488 LANDRY, C. E. Le sirop filant. Abeille et l'Érable (ser.2)22:3. Jan.1953. 424.8 Ab32
Canada.

48489 LIU, K. C. A review of TSC agriculture for 1952. Taiwan Sugar Corp. TSC News Let. 2(14),8 p. Jan.25,1953. 65.9 T13
Sugar industry in Taiwan.

48490 MACEOIN, G. Papel de bagazo de caña de azúcar. Asoc. Gen. de Agr. B. 331:3,7. Jan.15,1953. 8 As52

48491 MARILLER, C. Die kontinuierliche destillation in der rübenbrennerei. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:143. Nov./Dec.1952. 390.08 V67

48492 MARTIN, F. La sucrerie de canne aux Indes. Rev. Internatl. des Prod. Colon. 28(280):7,9-10. Jan. 1953. 286.8 R326

48493 MAUDRU, J. E. "Floc" in white sugar. Amer. Soc. Sugar Beet Technol. Proc. 7:764. 1952. 66.9 Am35

48494 MOLINA MORILLO, R. Se ha hecho con éxito primera prueba de papel de periódico con bagazo dominicano. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(198):9-10. Oct./Dec.1952. 8 R323

48495 MORIZOT, P. Utilisation de la réaction de l'alpha-naphtol dans les sucreries et distilleries. Indus. Agr. et Aliment. 70:41-42. Jan.1953. 383 As7
English summary.

48496 MORROW, R. R. Big tree crowns mean cheaper [maple] sirup. Farm Res. [N. Y. Sta.] 19:12. Jan.1953.

48497 MOSOLFF, H. Der zuckerverbrauch 1951/52. Z. f. die Zuckerindus. 3:26-27. Jan.20,1953. 65.8 D48
English summary.

48498 MULLER, H. Die erfahrungen österreichischer zuckerfabriken und rübenproduzenten mit den nährkalk—melasseschnitten. Zucker 5:525-526. Dec.1,1952. 65.8 Z82

48499 NEBOT, A. 37 provincias cultivan la remolacha azucarera. Rev. Sind. de Estadís. 7:8-13. Fourth Q. 1952. 263 Es8B
Statistics of production in Spain.

48500 O'BRIEN, C. H. History of the Australian sugar industry. Austral. Sugar J. 44:718,720,722,726-729. Jan.15,1953. 65.8 Au7

48501 OPLATKA, G., and TEGZE, M. Theorie des diffusionsprozesses in der zuckerfabrikation. III-IV. Acta Chim. 2:383-449. Ref. 1952. 385 Ac83

48502 PARFENOV, N. I., and ÍAPASKURT, V. V. Technological scheme at the refining section of a beet sugar factory. (In Russian.) Sakh. Promysh 27:26-30. Jan.1953. 65.8 Sa2

48503 POLÍAKOV, IÙ. M. Laboratories of [sugar refining] plants deserve consideration. (In Russian.) Sakh. Promysh. 26(12):5. Dec.1952. 65.8 Sa2
Testing equipment.

48504 RAMIREZ BERMUDEZ, J. Ingenios de azúcar en Guatemala. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):34-40,62. Dec.1952. 8 G937M

48505 RAMIREZ SILVA, F. Fabricación de azúcar en Puerto Rico. Crisol 6:51-59. July/Aug.1952. 385 C86

48506 RAO, S. N. G., and KULKARNI, H. G. Analysis of press cake and Oliver cake and the influence of added bagacillo on pol balance. Sugar Technol. Assoc. India Proc. 21:99-116. 1952. 65.9 Su33P

48507 RAWLINGS, F. N. The necessity for developing adequate pilot plant facilities for the advancement of beet sugar technology. Amer. Soc. Sugar Beet Technol. Proc. 7:733-737. 1952. 66.9 Am35

48508 RILOVA GARCIA, F. Remolacha azucarera o patata? Agr. Burgalés 20(217):2-3. Jan.1953. 15 Ag86

48509 ROUNDS, H. G., and THOMPSON, R. B. Direct filtration of first carbonation juice. Amer. Soc. Sugar Beet Technol. Proc. 7:724-728. 1952. 66.9 Am35

48510 RUEDI, H. Schmutzprozente und Elfa-abzug bei der rübenabladung. Z. f. die Zuckerindus. 2:418-419. Dec.1952. 65.8 D48

48511 SABINE, F. M. The "floc" problem in beet sugar. Amer. Soc. Sugar Beet Technol. Proc. 7:760-763. 1952. 66.9 Am35

48512 SAHA, J. M., and JAIN, N. S. White sugar without sulphur. Sugar Technol. Assoc. India. Proc. 21:3-16. 1952. 65.9 Su33P

48513 SATYANARAYANA, K. V. S. Clarification of sugarcane juice with particular reference to the elimination of harmful nitrogen. Sugar Technol. Assoc. India Proc. 21:27-30. 1952. 65.9 Su33P

48514 SATYANARAYANA, K. V. S. The colloidal matter of the sugarcane juice in relation to the clarification of the juice. Sugar Technol. Assoc. India. Proc. 21:17-26. 1952. 65.9 Su33P

48515 SHIELDS, R. H. The role of sugar beet technology under the Sugar Act. Amer. Soc. Sugar Beet Technol. Proc. 7:6-9. 1952. 66.9 Am35

48516 SHUKLA, J. P., and KAPOOR, B. D. Pretreatment of molasses for ethanol fermentation. Sugar Technol. Assoc. India Proc. 21:129-133. 1952. 65.9 Su33P

48517 SHUKLA, J. P., and KAPOOR, B. D. A qualitative examination of unfermentable reducing matter in ethanol fermentation of Indian cane waste molasses by paper chromatography. Sugar Technol. Assoc. India. Proc. 21:124-128. 1952. 65.9 Su33P

48518 SHUKLA, J. P., and KAPOOR, B. D. A survey of reducing matter in the Indian cane waste molasses by paper chromatography. Sugar Technol. Assoc. India. Proc. 21:31-39. Ref. 1952. 65.9 Su33P

48519 SICE, H. Production sucrière dans l'île de la Martinique. Sucr. Franç. 94:8-10. Jan.1953. 65.8 J82
The industry.

48520 SILIN, P. M. Checking crystalization of the final molasses. (In Russian.) Sakh. Promysh 27:16-18. Jan.1953. 65.8 Sa2

48521 SILIN, P. M. Testing second clarification. (In Russian.) Sakh. Promysh 27:44-45. Jan.1953. 65.8 Sa2
Sugar beet juice analysis.

48522 SKUDERNA, A. W. The beet sugar industry. Amer. Soc. Sugar Beet Technol. Proc. 7:22-24. 1952. 66.9 Am35

48523 SONNEMANN, T. Der deutschen zuckerwirtschaft zum jahreswechsel. Z. f. die Zuckerindus. 3:13-14. Jan.20,1953. 65.8 D48
English summary.

48524 STARK, J. B., GOODBAN, A. E., and OWENS, H. S. Composition of certain beet diffusion juices from the 1950 campaign. Amer. Soc. Sugar Beet Technol. Proc. 7:688-691. 1952. 66.9 Am35

48525 STASEVSKII, P. I. Experimental use of predefecation of juices. (In Russian.) Sakh. Promysh. 26 (11):17-19. Nov.1952. 65.8 Sa2
In sugar industry.

48526 SUGAR TECHNOLOGISTS' ASSOCIATION OF INDIA. Proceedings of the twenty first annual convention. Nawabganj,Kanpur,1952. 2 v. 65.9 Su33P

48527 TODT, F. Ueber die elektrochemische messung biochemischer zuckerumsätze. Z. f. die Zuckerindus. 3: 18. Jan.20,1953. 65.8 D48
English summary.

48528 TOVBIS, B. N. Influence of sugar industry upon increase in productivity and culture of rural economy. (In Russian.) Sakh. Promysh. 26(11):6-9. Nov.1952. 65.8 Sa2

48529 TRONCOSO, J. M. Azucar y soberania. Dominican Repub. Sec. de Estado de Econ. y Com. Rev. 24:3-5. Sept./Oct.1952. 280.9 D712

48530 VENANCIO, E. G. Technology of crystal sugar. (In Portuguese.) Química [Rio de Janeiro] 8:74-78. Aug.1952. 385 Q42

48531 VENTON, C. B. The use of active magnesia in clarifying cane juices. Queensland. Bur. Sugar Expt. Sta. Tech. Commun. 1,34 p. 1952. 65.9 Q3T

48532 VINOGRADOV, K. V. Production of sugar from sugar beets in capitalistic countries. (In Russian.) Sakh. Promysh. 26(11):27-29. Nov.1952. 65.8 Sa2
In Europe and U.S.

48533 VOL'KENSHTEIN, B. M. Methods of analysis of sugar losses in beets. (In Russian.) Sakh. Promysh. 26(11):29-32. Nov.1952. 65.8 Sa2

48534 VOSTOKOV, A. I., and LEPESHKIN, I. P. Increase of technical capacity of sugar beet factories through overall efficiency. (In Russian.) Sakh. Promysh 27:10-15. Jan.1953. 65.8 Sa2

48535 WARNECKE, W. Der zuckerrübenanbau in der krise? Deut. Landwirt.-Gesell. Mitt. 68:148-151. Feb. 12,1953. 18 M39

48536 WERNER, E. Ueber dünnsaftenthärtung auf der grundlage des ionenaustausches. Z. f. die Zuckerindus. 2:413-416. Dec.1952. 65.8 D48
English summary.

48537 WILKINSON, R. A. Radiant ray frost protection as applied to the exposed face of sugar beet storage piles. Amer. Soc. Sugar Beet Technol. Proc. 7:655-659. 1952. 66.9 Am35

48538 WILLENBERG, W. Dextran, ein veredelungsprodukt des zuckers. Zucker 6:33-36. Ref. Jan.15,1953. 65.8 Z82

48539 WILLITS, C. O. New process increases maple sirup flavor. U. S. Agr. Res. Admin. Res. Achvt. Sheet 156(C),2 p. Feb.1953. 1.98 R31

48540 YUILL, J. L. Microbiological production of citric acid. Research [London] 6:86-91. Ref. Mar.1953. 472 R31
From molasses.

48541 ZHUKOV, K. S. Our juice and sirup filter experience. (In Russian.) Sakh. Promysh. 26(12):35-36. Dec.1952. 65.8 Sa2
Sugar industry.

48542 ZUSMAN, V. M. Controlling losses in [sugar] beets. (In Russian.) Sakh. Promysh. 26(12):18-20. Dec. 1952. 65.8 Sa2
In storage and processing.

TOBACCO

48543 GEORGIEVSKI, K. Mise en balles, conservation et transport des tabacs jusqu'aux magasins d'achat. (In Serbo-Croatian.) Tutun 2:288-295. Oct.1952. 69.8 T88

48544 GRUSHKIN, M. P., and GREN, T. L. How we improve the quality of the crop and the finished product. (In Russian.) Tabak 13(6):15-17. Nov./Dec.1952. 69.8 T112

48545 HANKEY, W. A. Union's bid for share in world markets; effect of switch to Orinoco tobacco. Rhodesian Tobacco J. 5:63-64. Jan.1953. 69.8 R34

48546 HAVILAND, W. E. The tobacco industry of Southern Rhodesia. I. Economic history and its lessons. Rhodesia Agr. J. 49:365-381. Nov./Dec.1952. 24 R34

48547 HEINANEN, P. Uber die eigenschaften des tabaks. (In Finnish.) Suomen Kemistilehti. A 25:228-236. 1952. 385 Su7
German summary.

48548 KARTELISHEV, V. T. Establishing an expenditures account and uniform bookkeeping at preparatory centers. (In Russian.) Tabak 13(6):43-44. Nov./Dec. 1952. 69.8 T112

48549 MARKOVIC, S. La manipulation des tabacs du type "Voivodina" par les planteurs. (In Serbo-Croatian.) Tutun 2:369-378. Dec.1952. 69.8 T88

48550 MAZLUMIAN, S. M. Checking technologically at the Tbilissk tobacco fermenting factory. (In Russian.) Tabak 13(6):22-23. Nov./Dec.1952. 69.8 T112

48551 MEISNER, F. Tabakmarkt. Bad. Landwirt. Wchnbl. 120:118-119. Jan.31,1953. 18 B142

48552 NAIMARK, I. IA. Influence of multiple cutting upon the quality of makhorka and losses during processing. (In Russian.) Tabak 13(6):17-18. Nov./Dec.1952. 69.8 T112

48553 PATCE, L. Ferments—enzymes ou diastases. (In Serbo-Croatian.) Tutun 2:269-276. Oct.1952. 69.8 T88

48554 PEARSE, H. L., and NOVELLIE, L. South African tobaccos. I. Preliminary identification of amino-acids and other constituents. J. Sci. Food & Agr. 4:108-112. Ref. Feb.1953. 382 So12

48555 PHILLIPS, M., and BACOT, A. M. The content of uronic acids in several grades of flue-cured, type 12, tobacco. Assoc. Off. Agr. Chem. J. 36:123-128. Feb.15, 1953. 381 As7

48556 PICASSO, A. Fermentación del tabaco. (Extr.) Asoc. Nac. de Ingen. Agrón. B. 3(33):13-14. Dec.1952. 58.9 As5

48557 SHAKHNOVSKII, L. N. Removal of dust and fine matter from dry, cut makhorka by use of pneumatic conveyor. (In Russian.) Tabak 13(6):19-22. Nov./Dec. 1952. 69.8 T112

48558 SMIRNOV, A. P., CHENIKOV, V. V., and KUZNETSOVA, A. A. Influence of rosin on tobacco leaves upon the speed of moisture absorption. (In Russian.) Tabak 13(6):6-9. Nov./Dec.1952. 69.8 T112

48559 SOUTH CAROLINA. DEPT. OF AGRICULTURE. 1952 South Carolina tobacco report. n.p.,1952. 18 p. 281.3699 So82
Contains marketing statistics.

48560 STANKO, M. Sur le comportement des tabacs d'Herzegovine enver l'humidité. (In Serbo-Croatian.) Tutun 2:364-368. (Cont.) Dec.1952. 69.8 T88

48561 TURNER, C. G. The consumption of tobacco products. Natl. Tobacco Tax Assoc. Proc. 25:1-3. 1952. 284.59 N214

48562 U. S. PRODUCTION AND MARKETING ADMIN. Light air-cured tobacco market review. II. Type 32-Maryland (1952 season). Washington,1953. 10 p. 1.9 Ec714T
Statistics.

48563 U. S. PRODUCTION AND MARKETING ADMIN. Official standard grades for burley tobacco (U. S. type 31). Washington,1952. 9 p. 1.9 Ec792Tb

48564 U. S. PRODUCTION AND MARKETING ADMIN. Summary of the principal changes being made in the official standard grades for burley tobacco (U. S. type 31). Washington,1952. 6 p. 1.956 T55Su62

MISCELLANEOUS PRODUCTS

48565 AUBERT, O., and KRINGSTAD, H. Spektophotometrische untersuchungen über die hopfenbittersäuren und an kochprodukten derselben. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:141. Nov./Dec.1952. 390.08 V67

48566 BRUNK, M. Facts important in selling flow-[illegible]. Y. State Flower Growers. B. 91:4-6. Mar.1953. [illegible]6

48567 GOVAERT, F., and VERZELE, M. Das humulin[illegible] ist keine neue substanz im hopfen. (Abs.) Verssta. f. das Gärungsgewerbe. Mitt. 6:141. Nov./Dec.1952. 390.08 V67

48568 GROSS, M. The horticultural industry today. Long Isl. Hort. Guide & Almanac 1953:25,58. 225 L85
Flowers.

48569 HART, G. M. Processing a rose order. Amer. Rose Mag. 11(2):4-6. Feb.1953. 80 Am327A

48570 HOOS, S., and BOLES, J. H. Factors affecting hop prices. Hopper 9(10):10-11. Jan.1953. 70.8 H77

48571 HOWARD, G. A. Evaluation of hops. I. A review. Inst. Brewing. J. (n.s.)50:36-52. Ref. Jan./Feb. 1953. 390.9 In7

48572 KEEGAN, T. E. P. The old and the modern ways of canning salmon. Pacific Fisherman 51(2):91,93, 95. Jan.25,1953. 414.8 P11

48573 LAMBERT, J. G. L'appreciation analytique de l'arome du houblon. Petit J. du Brasseur 61:92-99. (Cont.) Feb.6,1953. 390.8 P44

48574 LAMBERT, J. G. L'appreciation analytique de l'arome du houblon. Petit J. du Brasseur 61:117-121. (Cont.) Feb.13,1953. 390.8 P44

48575 LEWIS, W. H. Bedding plant possibilities; upon what shall we concentrate? Com. Grower 2981: 310. Feb.12,1953. 80 F941
Marketing ornamental plants.

48576 LUKE, G. W. Facts about the florist industry in New Jersey. II. Economic growing pains. N. J. Plant & Flower Growers Assoc.(B)3:2-8. Jan./Feb.1953. 81 N462

48577 MOLL, O. Die schnittblumen-kontingentierung im dienste der produzenten und des handels. Schweiz. Gärtztg. 56(2):2-4. Jan.15,1953. 80 G1939

48578 REBHAN, J. R. A census look at New York State floriculture with a special reference to Long Island. Long Isl. Hort. Guide & Almanac 1953:29,31,48. 225 L85

48579 SCHMIDT-HEBBEL, H., and BRASCH, M. Jodbestimmungen in chilenischen essbaren algen. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:46-49. Jan.1953. 384 Z39

48580 STEVENSON, V. The art of marketing flowers. Gard. Illus. 70:71. Mar.1953. 80 G169

48581 TAYLOR, E. G. The season's hops, 1952. Inst. Brewing. J. (n.s.)50:25-27. Jan./Feb.1953. 390.9 In7
Great Britain.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

48582 ABROSIMOV, M. Systematic development of the socialist national economy. (In Russian.) Sotsialist. Sel'sk. Khoz. 33(10):46-61. Oct.1952. 281.8 So73
Includes agriculture.

48583 BELSHAW, H. Poverty and progress, the modern version. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:277-290. 1952. 284.29 In82
Economic programs for underdeveloped countries.

48584 BLACK, J. D. Twenty-five years more of our American economy. Mo. Agr. Expt. Sta. B. 589:3-10. Nov.1952. 100 M693
On the report of the President's Materials Policy Commission, Resources for freedom.

48585 CAVANI, B. The project of law on war damages and the agricultural interests. (In Italian.) Rass. dell'Agr. Ital. 7(12):31-32. Dec.1952. 281.8 R18

48586 CEYLON, an economic survey. Economist 166:453-460. Feb.14,1953. 286.8 Ec7
Agricultural.

48587 COHEN, J. B. Economic development in Pakistan. Land Econ. 29:1-12. Feb.1953. 282.8 J82
Includes agriculture.

48588 CONDLIFFE, J. B. The changing world economy. Internatl. Conf. Agr. & Coop. Credit. Proc. 1: 580-589. 1952. 284.29 In82

48589 DARKE, W. F. The shifting load of the U.K. economy. Agr. Inst. Rev. 8:30-32,58. Jan./Feb.1953. 7 Ag8

48590 DELATOUCHE, R. Agriculture et économie nationale. Bas-Rhin Agr. 8:41-42. Jan.31,1953. 14 B29

48591 DERTEANO, C. Some comments on the program and accomplishments of the eighth International Conference of Agricultural Economists. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:508-513. 1952. 284.29 In82

48592 GT. BRIT. BOARD OF TRADE. COMMERCIAL RELATIONS AND EXPORTS DEPT. Hayti; economic and commercial conditions in Hayti. London,1953. 35 p. 254.8 H128
Includes agriculture.

48593 INTERNATIONAL CONFERENCE OF AGRICULTURAL ECONOMISTS, 7, EAST LANSING, MICHIGAN, 1952. Reports. (In Italian.) Riv. di Econ. Agr. 7:311-472. July/Dec.1952. 281.8 R52

48594 LEIBFRIED, E. Das schwerbeschädigtenproblem in der landwirtschaft. Bad. Landwirt. Wchnbl. 120:197-198. Feb.28,1953. 18 B142

48595 MAAS, H. Ein jahr der schwierigkeiten in den marschen. Landwirtbl. Weser-Ems 100:162. Feb. 12,1953. 18 L2345
Economic conditions.

48596 MISSION TO CEYLON. The economic development of Ceylon. Report of a mission. Baltimore,Internatl. Bank for Reconstr. & Devlpmt.,1953. 829 p. 280.182 M69
Includes agriculture.

48597 MISSION TO NICARAGUA. The economic development of Nicaragua. Baltimore,Internatl. Bank for Reconstr. & Devlpmt.,1953. 424 p. 280.15 M69
Includes agriculture.

48598 MULLIE, G. La situation économique de l'agriculture en 1952. Agriculteur 57(5):3-4. Feb.1,1953. 13 B63P
Belgium.

48599 NEW ENGLAND RESEARCH COUNCIL ON MARKETING AND FOOD SUPPLY. The history of the New England Research Council,1922-1952. Boston,1952. 2 pt. 281.9 N44H

48600 NORWAY. STATISTISK SENTRALBYRÅ. Økonomisk utsyn over året 1952. Economic survey 1952. Oslo,1953. 102,1 p. 257.2 St2So
Table of contents and summary in English.
Includes agriculture.

48601 ORWIN, C. S. Farm economics. Roy. Agr. Soc. Eng. J. 113:121-132. Ref. 1952. 10 R81

48602 PERINI, D. Corso di politica agraria [Course of agricultural policy]. Pisa,Facultà di Agraria,Università di Pisa,1953. 176 p. 281.176 P41

48603 RAGUSA. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. The economic characteristics of the province of Ragusa. (In Italian.) Sintesti Econ. 4(2):36-53. Feb.1952. 280.8 Si6
Includes agriculture.

48604 RAPER, A. F. The current socio-economic study of rural Taiwan. Chin.-Amer. Econ. Coop. 2:67-72. Jan.1953. 173.2 M98C

48605 SIRACUSA. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. The economic characteristics of the province of Siracusa. (In Italian.) Sintesi Econ. 4(3):50-54. Mar.1952. 280.8 Si6
Includes agriculture.

48606 STEPPAT, F. Mittelöstliche entwicklungsprojekte im zusammenhang mit der hilfe der Vereinten Nationen für die arabischen Palästina-flüchtlinge. Inst. f. Raumforsch. Inform. 7/8:63-83. Feb.28,1953. 280.9 B6431
Includes agricultural projects.

48607 STONE, R. G. Mexico; economic and commercial conditions in Mexico. London,Board of Trade,1953. 94 p. (Overseas Economic Surveys.) 254.5 G79
Includes agriculture.

48608 TAPP, J. Reasonable stability in Western States. Natl. Provisioner 128(9):81-83. Feb.28,1953. 286.85 N21
Economic conditions.

48609 WELLS, O. V. The Story of Agricultural Economics: a review. Agr. Econ. Res. 5:1-4. Jan.1953. 1 Ec7Agr
Review of a book by H. C. Taylor, and A. D. Taylor.

48610 WILLIAMS, J. H. Economic stability in a changing world; essays in economic theory and policy. New York,Oxford U. Press,1953. 284 p. 280 W678E
Includes agriculture.

AGRICULTURAL FINANCE

48611 BELSHAW, H. Capital needs and capital absorption. Internatl. Conf. Agr. & Coop. Credit. Proc. 1: 175-186. 1952. 284.29 In82

48612 ERMOLINSKIĬ, I. Capital investment of collective farms for the development of a public economy [property]. (In Russian.) Kolkhoz. Proizvodstvo 13:9-12. Jan.1953. 281.8 K83

48613 FARCY, H. DE. Que rapporte l'exploitation agricole? Quelques exemples de budgets d'exploitation. Ecole Supér. d'Agr. et de Viticult. B. Mens. 31:30-91. Feb.1953. 275.9 An4

48614 GALBRAITH, J. K. The political and economic conditions of progress. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:38-46. 1952. 284.29 In82
Capital formation.

48615 GALBRAITH, J. K. The supply of capital for underdeveloped areas. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:47-53. 1952. 284.29 In82

48616 GARLOCK, F. L. Investment problems of farmers. Agr. Finance Rev. 15:29-36. Nov.1952. 1.9 Ec78Af

48617 GOUVERNEUR, F. Le budget familial rural. Fiches Rur. 89:1-6. Mar.1953. 281.8 F44
France.

48618 HAGMANN, F. Zur geldlichen lage unserer betriebe. Landwirt. Z. der Nord-Rheinprov. 120:162. Feb.7,1953. 18 L2344

48619 KAWANO, S. Capital accumulation and agriculture. Hitotsubashi Acad. Ann. 3:102-113. Oct.1952. 280.9 H63

48620 KIRPALANI, G. K. World purchasing power in relation to agricultural production. India. Dir. Econ. & Statis. Agr. Situation India 7:509-512. Dec.1952. 281.9 Im23

48621 MARTIN-LEAKE, H. Farming capital; is it being wisely used? Rur. Econ. 21:8. Feb.1953. 281.28 R8842

48622 SHULTIS, A. Depreciation in farm finances. Calif. Agr. [Calif. Sta.] 7(2):6,15. Feb.1953. 100 C12Cag

48623 TSUNEMATSU, S. Impact of new financial system in plain and hilly villages, a case study. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):181-206. Oct.1952. 22.5 N687
Japan.

Credit

48624 ABDO, Z. Agricultural credit in Jordan. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:886-888. 1952. 284.29 In82

48625 ABI-FADEL, J. Agriculture and agricultural credit and cooperatives in Lebanon. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:900-906. 1952. 284.29 In82

48626 ACEVEDO, C. L. Corporación de Fomento o Banco Agrícola Centroamericano? Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):8-9. Dec. 1952. 8 G937M

48627 ACEVEDO, C. L. El crédito agrícola como instrumento de política agrícola: crédito y fomento. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):19-24. Dec.1952. 8 G937M

48628 ACEVEDO, C. L. Organización del crédito agrícola. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):10-11,52. Dec.1952. 8 G937M
Includes discussion of underdeveloped countries and the credit situation in Guatemala.

48629 AGRICULTURAL credit in Egypt. Natl. Bank Egypt. Econ. B. 5:266-272. 1952. 284.9 N19

48630 AHDAB, W. A. Agricultural credit in Syria. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:974-976. 1952. 284.29 In82

48631 ASOCIACION NACIONAL DE UNIONES DE CREDITO AGRICOLA Y GANADERO. Memoria de la IV convención nacional. Crédito y Téc. Agr. 3(51/52),28 p. Dec.1952/Jan.1953. 284.28 C864
Mexico.

48632 BADING, A. Erfreuliche entwicklung der ländlichen kreditgenossenschaften im jahre 1952. Raiffeisen-Rundschau 5:66-67. Mar.1953. 284.28 R132
Germany.

48633 BALDWIN, F. Long term credit for Canadian farmers. Family Herald & Wk. Star 84(8):7,18. Feb.19, 1953. 7 F21

48634 BELL, B. Relation of foreign loans to agricultural credit. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:163-167. 1952. 284.29 In82

48635 BELSHAW, H. Cooperative credit. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:369-378. 1952. 284.29 In82

48636 BELSHAW, H. Government assistance in making agricultural credit and cooperatives more effective. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:475-482. 1952. 284.29 In82

48637 BELSHAW, H. The mobilization and use of domestic capital in relation to agricultural improvement. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:451-460. 1952. 284.29 In82

48638 BELSHAW, H. Requisites of a sound credit system for agriculture. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:551-557. 1952. 284.29 In82

48639 BENEDICT, A. Wanted—a meat cheque. Farmers Wk. [London] 38(11):81. Mar.13,1953. 10 F2226
Establishment of a Livestock Finance Corporation in Great Britain.

48640 BERTHAULT, P. Attention à l'endettement de l'agriculture. Rev. Agr. de l'Afrique du Nord 51:109-111. Jan.30,1953. 80 R326
In Algeria.

48641 BINDI, E. Credit for improvements. (In Italian.) Monti e Boschi 3:555-557. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

48642 BLAISDELL, T. C. The Conference as I see it. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:590-593. 1952. 284.29 In82

48643 BLAISDELL, T. C. The organization and program of the Conference. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:5-12. 1952. 284.29 In82

48644 BLAISDELL, T. C. The organization of the Conference for the drafting of Conference recommendations. Internatl. Conf. Agr. & Coop. Credit. Proc. 1: 402-403. 1952. 284.29 In82

48645 BODRIN, V. Short term credit—for capital expenditures on collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(12):51. Dec.1952. 281.8 K83

48646 BROSSARD, D. Features of supervised credit in Latin America. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:298-304. 1952. 284.29 In82

48647 BUTZ, E. L. Adapting the terms of loans to borrowers' needs. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:201-207. 1952. 284.29 In82

48648 BUTZ, E. L. Types of agricultural credit. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:187-193. 1952. 284.29 In82

48649 CAMPOS MERIGGI, H. Agricultural credit in Uruguay. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:997-999. 1952. 284.29 In82

48650 CASTILLE, R. J. Financing truck crops. Banking 45(9):61,64. Mar.1953. 284.8 Am3

48651 COLON-TORRES, R. Agricultural credit in the Caribbean. Caribbean Econ. Rev. 4:60-112. Dec. 1952. 280.8 C192

48652 COLVIN, C. Central American Seminar on Agricultural Credit, held in Guatemala City, September 15 - October 15, 1952; report. Washington,U.S. Inst. of Inter-Amer. Aff.,1952. 53 p. 173.3 In83Ce

48653 COMMERCIAL banks and agricultural credit. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:76-101. 1952. 284.29 In82
Panal discussion; J. W. Tapp, chairman.

48654 COMPAGNA, F. The "technical little parliament" of the Fund. (In Italian.) Cassa per il Mezzogiorno. Not. 1(11/12):6-7. Nov./Dec.1952. 280.8 N82

48655 CRUZ, R. Agricultural credit in Honduras. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:715-718. 1952. 284.29 In82

48656 CRUZ, R. Problems of supervised credit: Honduras. Internatl. Conf. Agr. & Coop. Credit. Proc. 1: 291-297. 1952. 284.29 In82

48657 DAVIS, I. F., FRIEDRICHSEN, C. W., and GOETHE, T. The role of the field representative in agricultural lending. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:266-272. 1952. 284.29 In82
Panel discussion.

48658 DENMARK. INDENRIGS- OG BOLIGMINISTERIET. Betænkning, afgivet af det af Indenrigs- og Boligministeriet den 2. juni 1950 nedsatte Udvalg angående Husmandskreditforeningernes Udlansadgang [Report submitted by the Committee on Credit Opportunities of Smallholders, appointed by the Ministry of Interior and Housing on June 2, 1950]. København,Hoffensbergske Etablissement,1952. 38 p. 284.29 D412

48659 DERTEANO, C. Credit facilities and problems of Peruvian agriculture. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:929-934. 1952. 284.29 In82

48660 DE VRIES, E. Agricultural credit and economic development with special reference to land reform and land settlement. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:328-340. 1952. 284.29 In82

48661 DE VRIES, E. New sources of capital for agriculture. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:311-320. 1952. 284.29 In82

48662 DRUCE, P. C. Loans for farm development. Agr. Gaz. N. S. Wales 63:639-644. Dec.1952. 23 N472

48663 DUGGAN, I. W. Ten years of co-op farm credit. Grain Prod. News 5(7):18-23. Feb.1953. 286.81 G764

48664 ECKERT, P. S. The responsibility of the lender. Internatl. Conf. Agr. & Coop. Credit. Proc. 2: 1079-1082. 1952. 284.29 In82

48665 EHRLICH. Gewährung von zinsfreien darlehen für den bau von jungviehlaufställen. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:345. Feb.26,1953. 18 L2346

48666 EL MISSALATI, A. O. Agricultural credit in Libya. Internatl. Conf. Agr. & Coop. Credit. Proc. 2: 907-909. 1952. 284.29 In82

48667 EL SAID, M., and EL SHAFIE, M. Development of farm credit system in Egypt. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:658-672. 1952. 284.29 In82

48668 ENGBERG, R. C. European credit co-ops differ from ours. News Farmer Coop.19(11):4,10. Feb. 1953. 166.2 N47

48669 ENRIQUEZ, A. Organización del crédito agrícola y la experiencia nicaragüense. Banco Nac. de Nicaragua. Rev. Trimes. 11(46):11-15. July/Sept.1952. 284.9 B2263

48670 ESPINOSA, A. The agricultural credit situation in Paraguay. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:922-928. 1952. 284.29 In82

48671 FORD, S. "Chicken paper" is one of our best risks. Feed Age 3(3):28-31. Mar.1953. 389.78 F327
Credit in Arkansas.

48672 FRIEDRICHSEN, C. W. Agricultural appraising and loan supervision for commercial banks. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:92-101. 1952. 284.29 In82
Includes discussion.

48673 GALBRAITH, J. K. The role of credit in agricultural development. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:29-33. 1952. 284.29 In82

48674 GOVERNMENT sponsored agricultural credit agencies. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:120-150. 1952. 284.29 In82
Panel discussion; R. W. Young, chairman.

48675 GUATEMALA. INSTITUTO DE FOMENTO DE PRODUCCIÓN. Operaciones activas de crédito agrícola. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):12-16,61. Dec 1952. 8 G937M

48676 HARSOADI, M. Organization and functions of the agricultural credit institutions and credit problems in Indonesia. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:737-741. 1952. 284.29 In82

48677 HENNING, G. F., and EVANS, M. B. Financing feeder livestock. Amer. Feed & Grain Dealer 37:16,36-37. Feb.1953. 298.8 C83

48678 HERRMANN, F. Kredite für die landwirtschaft. Bad. Landwirt. Wchnbl. 120:65. Jan.17,1953. 18 B142

48679 HERRMANN, F. Kredite für die landwirtschaft. Württemb. Wchnbl. f. Landwirt. 120:53. Jan.17, 1953. 18 W96

48680 HODGSON, F. Farm mortgage lending. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:84-88. 1952. 284.29 In82

48681 HOLLENBERG, R. W. Government credit for low income farmers. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:102-113. 1952. 284.29 In82

48682 HORN, W. V. How Logan handles credit policy. Pacemaker 11(6):2. Mar.15,1953. 280.28 P113

48683 HOUMAN, A. The present organization of agricultural credit and the condition of farmers in Iran. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:773-787. 1952. 284.29 In82

48684 INTERNATIONAL CONFERENCE ON AGRICULTURAL AND COOPERATIVE CREDIT. Proceedings, August 4 to October 2, 1952. Berkeley, U. Calif.,1952. 2 v. 284.29 In82
U. S. Department of State, U. S. Department of Agriculture, and U. S. Mutual Security Administration, cooperating.

48685 JOHNSON, C. M. From tenancy to farm ownership; a study of FHA farm-ownership loans. S. Dak. Farm & Home Res. [S. Dak. Sta.] 4:43-48. Winter 1953. 100 So82S

48686 JONES, L. A. Trends and characteristics of loans of production credit associations in selected farming areas. Agr. Finance Rev. 15:14-28. Nov.1952. 1.9 Ec78Af

48687 KASS, L. Die lohnpfändung. Dreschen u. Pflügen 8:8-10. Jan.15,1953. 58.8 D81

48688 KELLEY, H. R. Federal Intermediate Credit Bank. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:141-143. 1952. 284.29 In82

48689 KHAN, A. A. Agricultural credit in Pakistan. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:915-919. 1952. 284.29 In82

48690 KNÍAZEV, G. I. Proper use of bank credit. (In Russian.) Vinodel. i Vinograd. SSSR. 13:51-52. Jan. 1953. 95.8 V77
By wine industry.

48691 LAUD, G. M. Problem of farm credit. Bombay Co-op. Q. 36:116-120. Jan.1953. 280.28 B63

48692 LOPEZ MONTOYA, R. Supervised agricultural credit in El Salvador as serviced by the Institute of Rural Colonization. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:683-710. 1952. 284.29 In82

48693 LOWE, Y. Agricultural credit in Israel. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:803-809. 1952. 284.29 In82

48694 LUU, N. Q. Report on agricultural and cooperative credit in Vietnam. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:1000-1010. 1952. 284.29 In82

48695 LUU, N. Q. Some aspects of the problem of agrarian and cooperative credit in Vietnam. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:1011-1015. 1952. 284.29 In82

48696 MABBUN, P. N. Agricultural and cooperative credit in the Philippines. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:935-960. 1952. 284.29 In82

48697 MADDOX, J. G. Credit experiences in South America. Internatl. Conf. Agr. & Coop. Credit. Proc. 1: 214-221. 1952. 284.29 In82

48698 MAIL, M. Y. Agricultural credit sources in Afghanistan. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:613-622. 1952. 284.29 In82

48699 MARINO CORPUS, R. The Philippine program of rural credit expansion. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:961-973. 1952. 284.29 In82

48700 MILLER, F. How can food production for forty million more Americans be financed? Mo. Agr. Expt. Sta. B. 589:39-44. Nov.1952. 100 M693

48701 MIXON, W. F. Production Credit Associations. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:135-137. 1952. 284.29 In82

48702 MORA DAVILA, N. Una solución incompleta. Rev. Agr. y Ganad. 13(154):12-13. Nov.1952. 9.4 R327
On credit for stock raisers in Colombia.

48703 MORGANDO, A. French agricultural credit. (In Italian.) Cron. Econ. 119:9-14; 120:9-14. Nov.-Dec. 1952. 280.8 C882

48704 MOYER, R. T. Credit in a program of rural development. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:441-450. 1952. 284.29 In82
Includes discussion.

48705 MUÑOZ GRANDES, F. El crédito agrícola. II. La caja rural. Cooperación [Madrid] 130:7-8. Dec.1952. 280.28 C7875
Spain.

48706 MURRAY, W. G. Principles and practices used in making farm production loans. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:386-393. 1952. 284.29 In82

48707 NADKARNI, M. S. The role of the Reserve Bank of India in agricultural and co-operative credit in India. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:604-611. 1952. 284.29 In82

48708 PANE, V. Some of the salient characteristics and problems of supervised farm credit. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:222-230. 1952. 284.29 In82

48709 RAPPL, K. Das landwirtschaftliche kreditwesen in den USA. Bauerliche Genossensch. 5(2):5-6. In Landwirt. Mitt. 93(4). Feb.15,1953. 19 L236

48710 ROBINSON, J. L. Using credit instruments. U. S. Farm Credit Admin. C. 16,slightly rev.,31 p. 1953. 166.2 C49

48711 SANTA CRUZ, E. Las garantias de los créditos agrícolas. Guatemala. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):17-18,62. Dec.1952. 8 G937M

48712 SARANAGA, C., CHONGCHITARA, C., and BHINDHUVATANA, S. Rural co-operative credit in Thailand. Internatl. Conf. Agr. & Coop. Credit. Proc. 2: 977-989. 1952. 284.29 In82

48713 SEMINARIO CENTRO AMERICANO DE CREDITO AGRICOLA. Ponencias presentadas por el INFOP [Instituto de Fomento de la Producción]. Inst. de Fomento de la Prod. Monit. del INFOP 3(11):8-24,52,61-62. Dec.1952. 8 G937M

48714 SEN, S. R. Review of organisation and functions of agricultural credit institutions and credit problems in India. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:719-732. 1952. 284.29 In82

48715 SEN, S. R. Summary of organisation and functions of agricultural credit institutions and credit problems in India. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:733-736. 1952. 284.29 In82

48716 SERRANO LANGLOIS, A. Agricultural credit conditions in El Salvador. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:711-714. 1952. 284.29 In82

48717 SERV. TECNICO INTERAMERICANO DE COOPERACION AGRICOLA. Supervised credit in Paraguay. Internatl. Conf. Agr. & Coop. Credit. Proc. 1: 595-603. 1952. 284.29 In82

48718 SEVILLA SALGADO, J. A. Agricultural credit in Ecuador. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:653-657. 1952. 284.29 In82

48719 SHEIRA, A. Z. A. The agricultural credit system in Egypt. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:673-682. 1952. 284.29 In82

48720 SMITH, P. A. Bank for cooperatives. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:138-140. 1952. 284.29 In82

48721 SOERIA-ATMADJA, R. S. Farm credit in Indonesia. Internatl. Conf. Agr. & Coop. Credit. Proc. 2: 742-749. 1952. 284.29 In82

48722 SOLEY CARRASCO, E. Agricultural credit practices in Costa Rica with special reference to the rural agencies for agricultural credit. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:641-648. 1952. 284.29 In82

48723 SOLOMON ESPINOSA, D. Agricultural credit in Cuba. Internatl. Conf. Agr. & Coop. Credit. Proc. 2: 649-652. 1952. 284.29 In82

48724 SOUVANNAVONG, O. Additional comments on agricultural credit in Laos. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:896-899. 1952. 284.29 In82

48725 SOUVANNAVONG, O. Short report on agricultural credit in Laos. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:894-895. 1952. 284.29 In82

48726 SWE, M. T. A brief outline of agricultural and cooperative credit in Burma. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:627-631. 1952. 284.29 In82

48727 TAPIA, A. Agricultural credit in Mexico. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:910-914. 1952. 284.29 In82

48728 TAPP, J. W. Seasonal or intermediate loans. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:88-92. 1952. 284.29 In82

48729 TARTUFOLI, A. The Mezzogiorno Bank and its first experiences. (In Italian.) B. dell'Agr. 87(3):1-3. Jan.16,1953. 16 B87

48730 THAMER, H. Problems of agricultural credit in Iraq. Internatl. Conf. Agr. & Coop. Credit. Proc. 2: 788-802. 1952. 284.29 In82

48731 THOUTCH, T. On the possibilities of agricultural credit in Cambodia and on the problems which Cambodia must face in order to ensure adequate agricultural financing. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:632-637. 1952. 284.29 In82

48732 TOKORO, H. Agricultural credit in Japan. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:835-885. 1952. 284.29 In82

48733 U. S. FARM CREDIT ADMIN. Agricultural credit conferences, by J. L. Robinson. Washington,1952. 9 p. 1.955 A2Ag834

48734 U. S. FARM CREDIT ADMIN. Farm Credit Administration career program. Washington,1952? 3 p. 1.955 A2F222

48735 U. S. FARM CREDIT ADMIN. Loans and discounts of lending institutions supervised by Farm Credit Administration. Washington,1952. 9 p. 166.2 M76

48736 URIBE GARZON, C. Agricultural credit in Colombia. Internatl. Conf. Agr. & Coop. Credit. Proc. 2: 638-640. 1952. 284.29 In82

48737 VEGA CHEVALIER, J. A. Agricultural credit in Panama. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:920-921. 1952. 284.29 In82

48738 VOORHIES, E. C. Credit institutions in agriculture in the United States. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:990-996. 1952. 284.29 In82

48739 WENDE FRANKEL, E. Organization and functions of agricultural credit institutions and credit problems: Bolivia. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:623-626. 1952. 284.29 In82

48740 WHITE, D. G. Lending to cooperatives. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:78-84. 1952. 284.29 In82
Includes discussion.

48741 WRIGHT, C. W. Insurance companies and agricultural credit. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:54-66. 1952. 284.29 In82
Includes discussion.

48742 YAMAJI, O. Enactment of the Agriculture, Forestry, and Fisheries Bank Law. (In Japanese.) Nōrin Jihō 12(2):4-6. Feb.1953. 22.5 N772

48743 YORK, W. Federal Land Banks. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:132-134. 1952. 284.29 In82

48744 YOUNG, R. W. Federal agricultural credit agencies. Internatl. Conf. Agr. & Coop. Credit. Proc. 1: 120-132. 1952. 284.29 In82

48745 YOUNG, R. W. The legal aspects of credit in agriculture. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:489-502. 1952. 284.29 In82

48746 YUKAWA, M. Statement on agricultural credit in Japan. Internatl. Conf. Agr. & Coop. Credit. Proc. 2: 810-813. 1952. 284.29 In82

Income

48747 COLLINS, J. Farm income raises price questions. Internatl. Confectioner 63(2):26-27. Feb.1953. 389.8 In214

48748 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Farm incomes in England & Wales 1950—1 (with some reference to earlier years). Gt. Brit. Min. Agr. & Fisheries. Farm Income Ser. 4,71 p. 1953. 281.9 G792F

48749 GROOTEN, R. Le revenu de l'agriculture belge au cours de la période 1949-1951. Rev. de l'Agr. 6:39-55. Ref. Jan.1953. 13 R322
English summary.

48750 OWEN, J. What about the 5% drop in farm income? Mag. Wall St. 91:630-631,670. Mar.7,1953. 286.8 M27

48751 SELTZER, R. E. Farm income up $44,000,000; all-time high reached despite lower prices for cattle and cotton. Ariz. Farmer 32(3):1,46-47. Jan.31,1953. 6 Ar44

Insurance

48752 ADKINS, W. G., and MOTHERAL, J. R. Life insurance protection of farm-operator families, Wharton County, Texas, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1529,7 p. Jan.14,1953. 100 T31P

48753 BENSON, F. Federal crop insurance. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:104-116. 1952. 284.69 N19

48754 BOTTS, R. R. Molding farm mutual insurance to meet changing times. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:70-75. 1952. 284.69 N19

48755 COOPER, E. Agents' relations problems confronting farm windstorm mutuals. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:96-97. 1952. 284.69 N19

48756 DEILY, R. C. Windstorm deductible. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:97-99. 1952. 284.69 N19

48757 GERDES. Neubewertung der sachbezüge für die sozialversicherung. Landwirtbl. Weser-Ems 100:256. Mar.5,1953. 18 L2345

48758 GIESE, H. Windstorm loss prevention. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:99-101. 1952. 284.69 N19

48759 HANSEN, G. S. Ten-year farm cost analysis stresses need for crop and hail insurance. Com. West 105(11):20-21. Mar.14,1953. 286.8 C733
Minnesota.

48760 KREMNITZ, H. J. Neues aus sozialversicherung und steuerrecht. Bad. Landwirt. Wchnbl. 120:115-116. Jan.31,1953. 18 B142

48761 KREMNITZ, H. J. Neues aus sozialversicherung und steuerrecht. Württemb. Wchnbl. f. Landwirt. 120:103. Jan.31,1953. 18 W96

48762 MCELWAIN, C. S. Windstorm underwriting. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:93-94. 1952. 284.69 N19

48763 MARIANI, E. A revolutionary project relative to the unified agricultural contributions. (In Italian.) Rass. dell'Agr. Ital. 7(12):27-28. Dec.1952. 281.8 R18

48764 MOORAHREND. Erhöhung der umlage bei der westfälischen landwirtschaftlichen berufsgenossenschaft. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 336-337. Feb.26,1953. 18 L2346
Accident insurance.

48765 MULLENBACH. Vor selbstverwaltung der sozialversicherung. Landwirt. Z. der Nord-Rheinprov. 120:79. Jan.17,1953. 18 L2344

48766 MYER, E. H. Asphalt roofing. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:91-93. 1952. 284.69 N19
In connection with windstorm insurance.

48767 NATIONAL ASSOCIATION OF MUTUAL INSURANCE CO. Proceedings and papers, the fifty-sixth annual convention, Benjamin Franklin Hotel—Philadelphia, Pa., October, 12-17, 1952. Indianapolis,1952. 167 p. 284.69 N19

48768 NELSON, A. J. Current problems of farm windstorm insurance. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:87-90. 1952. 284.69 N19

48769 NORTH DAKOTA. HAIL INSURANCE DEPT. Thirty-fourth annual report for the year ending December 31, 1952. Bismarck,1952. 71 p. 284.69 N814

48770 REQUARTTE, H. J. Catastrophe coverage. Natl. Assoc. Mutual Ins. Co. Proc. & Papers 56:90-91. 1952. 284.69 N19
Windstorm insurance.

48771 ROCCHI, V. M. The revaluation of pensions in social welfare. (In Italian.) Previdenza Sociale nell'Agr. 3:265-267. Dec.1952. 281.8 P92

48772 RUSH, J. D. Increase in farm liability risks and availability of insurance. Agr. Finance Rev. 15:48-59. Nov.1952. 1.9 Ec78Af

48773 SCHIMETSCHEK. Welche tätigkeiten sind in der bäuerlichen wirtschaft unfallversichert? Landwirtschaft 3/4:42-43. Feb.1953. 19 L235
Austria.

48774 STEWART, R. A. Workmen's compensation for farm workers in Ontario. Farmer's Advocate & Canad. Countryman 88(3442):7,44-45. Mar.14,1953. 7 F22
Provisions of the Workmen's Compensation Act.

48775 UNION DES CAISSES CENTRALES DE LA MUTUALITE AGRICOLE. CAISSE CENTRALE DE SECOURS MUTUELS AGRICOLES. Petit guide des assurances sociales agricoles. Ed. 2. Paris,1952. 151 p. 284.6 Un3983

48776 U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your bean investment. U. S. D. A. PA-221,4 p.-folder. Feb.1953. 1 Ag84Pro
Crop insurance.

48777 U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your cotton investment. U. S. D. A. PA-215,4 p.-folder. Feb.1953. 1 Ag84Pro
Crop insurance.

48778 U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your crop investment. U. S. D. A. PA-216,4 p.-folder. Feb.1953. 1 Ag84Pro
Crop insurance.

48779 U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your flax investment. U. S. D. A. PA-217,4 p.-folder. Feb.1953. 1 Ag84Pro
Crop insurance.

48780 U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your wheat investment. U. S. D. A. PA-219,4 p.-folder. Feb.1953. 1 Ag84Pro
Crop insurance.

48781 U. S. FEDERAL CROP INSURANCE CORPORATION. Sales talk. Suggestions and materials for developing county crop insurance programs. Let's get moving on "multiple!" Washington,1952. 19 p. 1.952 Sa38

48782 U. S. FEDERAL CROP INSURANCE CORPORATION. Sales talk. Suggestions and materials for developing county crop insurance programs. Something to think about! Washington,1952. 15 p. 1.952 Sa39

48783 VIDIMARI, R. Social security and social insurance in agriculture. Trade Unions Internatl. Agr. & Forestry Workers. Inform. B. 3(11/12):21-29. Nov./Dec. 1952. 283.9 T67

Taxation

48784 AGNEW, A. Tips on taxation: is present taxation a bar to incentive? Westralian Farmers Co-op Gaz. 23:289-290. Dec.1952. 280.28 W522

48785 ALSTED, J. Drainage cost versus taxation. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 74:6-11. Jan.15,1953. 11 H35

48786 ALSTED, J. Drainage expenses versus tax. (In Danish.) Dansk Landbr. 72:53-55. Jan.29,1953. 280.28 V91

48787 BARNSTEDT. Vermögensteuererklärungen bis zum 28. Februar. Landwirtbl. Weser-Ems 100:197. Feb. 19,1953. 18 L2345

48788 BEHRLE. Ist denn mein schlepper kraftfahrzeugsteuerfrei? Bauern-Ztg. 6(5):4. Feb.6,1953. 18 B324
Germany.

48789 BEHRLE. Steuerbegünstigter wohnungsbau. Bauern-Ztg. 6(3):4. Jan.23,1953. 18 B324
Germany.

48790 BEHRLE. Wie füllen wir die vermögenserklärung aus? Bauern-Ztg. 6(7):3,12. Feb.20,1953. 18 B324
For taxation in Germany.

48791 BEHRLE. Wie steht es um die haupt- und hausratsentschädigung? Bauern-Ztg. 6(2):4. Jan.16, 1953. 18 B324
Tax equalization in Germany.

48792 BIRD, R. Taxation of personal property owned by farmers in the United States, 1940-49. Agr. Finance Rev. 15:37-47. Nov.1952. 1.9 Ec78Af

48793 BUHLE. Wohin steuert die landwirtschaft? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:163-164. Jan.29,1953. 18 L2346

48794 CAGLE, A. J. Tips on orchard accounting and income tax reporting. Wash. State Hort. Assoc. Proc. 48:57-60. 1952. 81 W273

48795 EHRENFORTH. Aufbaudarlehen für vertriebene und kriegssachgeschädigte landwirte aus dem lastenausgleichsfonds. Recht der Landwirt. 5:59-63. r.1953. 30.58 R24
Germany.

48796 HART, S. H. Capital gains regulations issued. Cattleman 39(10):88,92,96-97. Mar.1953. 49 C29
Concerns income tax regulations.

48797 HART, S. H. Treasury Department issues new capital gains regulations. Amer. Hereford J. 43(20):22-23. Feb.15,1953. 43.8 Am32

48798 HARTUNG, L. Der diplomlandwirt als wirtschaftstreuhänder. Diplomlandwirt 3:16-17. Feb.1953. 18 D62

48799 JESTER, J. Depreciation for tax purposes. Natl. Chinchilla Breeder 9:17,29. Mar.1953. 412.628 N21

48800 KARLSEN, K. T. Tax relief for newly established industries encumbered with debts. (In Danish.) Dansk Landbr. 72:90-91. Feb.12,1953. 280.28 V91
Includes agriculture.

48801 KILIAN. Steuerpflicht der kraftfahrzeuge unter 6 km/std. geschwindigkeit. Dreschen u. Pflügen 8:6-7. Jan.15,1953. 58.8 D81

48802 KREMNITZ. Hauptveranlagung zur vermögenssteuer auf 1. Januar 1949 nach dem stand vom 21. Juni 1948. Bad. Landwirt. Wchnbl. 120:139. Feb.7,1953. 18 B142

48803 LAGAE, A. Fiscal news. III. (In Flemish.) Tuinbouwberichten 17:5-6. Jan.15,1953. 80 T817
Taxation.

48804 MOORAHREND. Das problem des familienlastenausgleichs. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:870-871. June 5,1952. 18 L2346

48805 MÜTHLING, H. Aktuelle steuerfragen der land- und forstwirtschaft. Recht der Landwirt. 5:36-39. Feb.1953. 30.58 R24
Germany.

48806 NAKAMURA, J. Tax on agricultural products in China. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):263-270. Oct.1952. 22.5 N687

48807 NATIONAL TOBACCO TAX ASSOCIATION. Proceedings of the twenty-fifth annual meeting, Harrisburg, Pennsylvania, September 16-19, 1951. Chicago, 1952. 51 p. 284.59 N214

48808 PERGOLESI, A. Agricultural interests and local finance. 2. (In Italian.) Rass. dell'Agr. Ital. 7(11): 27-29. Nov.1952. 281.8 R18
Taxes.

48809 SALA ROCA, E. La revisión de las contribuciones por rústica y pecuaria. Inst. Agr. Catalán de San Isidro. Rev. 101:300-301. Dec.1952. 15 Sa5

48810 SIEVERT. Die neuen umsatzsteuerrichtsätze. Bad. Landwirt. Wchnbl. 119:908. Dec.20,1952. 18 B142

48811 SØBY, A. Tax returns. (In Danish.) Jydsk Landbr. 35:41-43. Jan.15,1953. 11 J99

48812 THOMSON, W. The farmer's income tax. Country Guide 72(3):14,61. Mar.1953. 7 G76
Canada.

48813 YOUNT, R. P. Taxitis. Livestock Wk. 7(13): 10-11. Jan.29,1953. 49 L753

AGRICULTURAL LABOR AND WAGES

48814 BABICHUK, I. Every tractor operator had fulfilled his norms. (In Russian.) Mashinno-Traktornaîa Sta. 12(12):12-13. Dec.1952. 58.8 M11

48815 BABITSKIĬ, B. Enlarged norms, standards of [labor] productivity and fuel consumption in tractor work [of machine-tractor stations]. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(12):28-34. Dec.1952. 281.8 So73

48816 BAVARIA. STATISTISCHES LANDESAMT. Die löhne in der bayerischen land- und forstwirtschaft 1950. Munchen,1952. 91 p. 265 B32S

48817 BISMARCK, L. VON. Hofarbeit ist transportarbeit. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24:2-4. 1952. 18 K96
Work management.

48818 BOYER, A. J. Farm labor supply for 1952. Ohio Veg. & Potato Growers Assoc. Annu. Proc. 37:37-43. 1952. 75.9 Oh3

48819 BROOCKS, H. Ist die lohnbrut heute noch vertretbar? Deut. Wirtgeflügelzucht. 5:230-231. Jan.31, 1953. 47.8 D483

48820 BROWN, L. H. Bonus incentives for farm workers? Mich. State Col. Agr. Ext. Mich. Farm Econ. 122:1,3. Mar.1953. 275.29 M58A

48821 DENISENKO, I. The brigade had kept its word. (In Russian.) Mashinno-Traktornaîa Sta. 12(12):10-12. Dec.1952. 58.8 M11
Work mangement of a machine-tractor station brigade.

48822 DRAGUNOV, S. I. Practices of the tractor brigade in obtaining high yields [of field crops] while economizing on fuel. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:64-67. Sept.1952. 20 D742

48823 ENGENE, S. A. Minnesota farmers save time. Purdue U. Work Simplification News Let. 23:10-12. Dec.1952. 281.9 P97

48824 FARM accounts scheme: analysis of wages, 1949/50 and 1950/51. N. F. U. Inform. Serv. 8:9-12. Jan.1953. 281.9 N213N
Great Britain.

48825 FRASER, R. H. Efficiency measures which will reduce costs on tobacco farms. Rhodesian Tobacco J. 5:47-49,51-54. Jan.1953. 69.8 R34

48826 FRIELINK, A. B. Organization and efficiency research. (In Dutch.) Bergcultures 22:27,29,31. (Concl.) Jan.16,1953. 22.5 B45
Indonesia.

48827 GITALOV, A. V. How we achieved a high productivity on a tractor. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:24-28. Nov.1952. 20 D742
Work management of a tractor brigade.

48828 GOMEZ QUEVEDO, R. El paro obrero en Jaen. Rev. Sind. de Estadís. 7(27/28,sup.),38 p. Third/Fourth Q.1952. 263 Es8B
Includes agricultural labor.

48829 HAASTERT, G. Der arbeitsaufwand bei der zwischenlagerung der zuckerrüben. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 23:28-33. 1952. 18 K96

48830 HIRAKAWA, K. On the labour producing capacity in case of applying the different methods on the rice plant cultivation. (In Japanese.) Kyushu Noji Shikenjo 10:121-122. Sept.1952. 107.6 K996

48831 HOFFSCHLAEGER, E. Arbeitserleichterungen bei der schweinefütterung. Deut. Landwirt.-Gesell. Mitt. 68:126-127. Feb.5,1953. 18 N39

48832 KASTORIN, A. A. Brigades for fruit and vegetable culture. (In Russian.) Sad i Ogorod 1:26-30. Jan.1953. 80 Sa13

48833 KIRÛSHKIN, N. For lowering the cost of tractor work. (In Russian.) Mashinno-Traktornaîa Sta. 12(11):8. Nov.1952. 58.8 M11
Work management of Kuz'movich's brigade.

48834 KITAEV, M. The production brigade—fundamental form of work organization on a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 12(12):6-8. Dec. 1952. 281.8 K83

48835 KLAUDER, G. Landarbeiterverhältnisse in westeuropäischen ländern. Ber. über Landwirt. (n.s.)30: 484-512. 1952. 18 G31

48836 KRIEBEL, M. Arbeitserleichterungen bei der verarbeitung und verwertung von hackfrüchten. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1333,1335. Aug.28,1952. 18 L2346

48837 LANGE, W. Der arbeitsvoranschlag in der landwirtschaft. Kühn-Arch. 65:1-144. Ref. 1952. 105.8 H15Ku

48838 LENTZ, J. H. Die ladearbeit in der heuernte. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 21:9-11. 1952. 18 K96

48839 MAGERO, G. K. Collaboration of tractor and field brigades. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:86-87. Jan.1953. 20 D742

48840 MATHIESEN ROSTED, S. Observaciones acerca de las condiciones sociales y económicas de los obreros agrícolas del pais. Simiente 22:189-194. Jan./June 1952. 9.3 Si4
Chile.

48841 MAUNDER, A. H. Labour in milk production. II. Farm Econ. 7:97-108. 1952. 281.8 F223
Great Britain.

48842 MIRO ESPLUGAS, M. Los agricultores en la organización sindical agraria. I. Cám. Ofic. Sind. Agr. de Barcelona. B. 7:123-124. June 1952. 15 C14
Spain.

48843 MISHCHENKO, M. Leading brigadiers of Soviet Machine-Tractor Station [in Krasnodar Territory]. (In Russian.) Mashinno-Traktornaîa Sta. 12(10):3-6. Oct. 1952. 58.8 M11

48844 NATIONAL PLANNING ASSOCIATION. AGRICULTURE COMMITTEE ON NATIONAL POLICY. Underemployment in American agriculture; an Agriculture Committee report, by A. Moore. n.p.,1952? 18 p. 281.12 N218U

48845 NELSON, L. Migratory workers, the mobile tenth of American agriculture. Natl. Planning Assoc. Planning Pam. 82,31 p. Feb.1953. 280.9 N2153

48846 O'HARA, C. C. Custom harvesting in California. Amer. Soc. Sugar Beet Technol. Proc. 7:620-621. 1952. 66.9 Am35

48847 PARETI, T. More on the certification of agricultural workers. (In Italian.) Previdenza Sociale nell'Agr. 3:268-269. Dec.1952. 281.8 P92

48848 PAYOFF point for Mexican farm labor. Farm Mangt. 2(4):29-33. Mar.1953. 281.8 F2225

48849 RIEBE, K. E. Die arbeit in der kleinbäuerlichen familienwirtschaft mit kuhanspannung und schleppereinsatz. Kühn-Arch. 65:145-273. Ref. 1952. 105.8 H15Ku
Germany.

48850 RIES, L. W. Arbeitswirtschaftliche probleme und technische hilfsmittel der betriebe mit vorwiegender stallfütterung. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:17-20. 1953. 18 K96

48851 ROHNER, J. Hoftransporte von hand. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 24: 20-24 1952. 18 K96

48852 RUMIANTSEVA, A. Coordinated work of tractor and field brigades. (In Russian.) Kolkhoz. Proizvodstvo 13:16-18. Jan.1953. 281.8 K83

48853 SEGLER, G. Die technik der halmfruchtbergung. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26:30-36. 1953. 18 K96
Forage plants.

48854 SEIBOLD, and VOIGT. Mähdrusch - möglichkeiten für den lohnunternehmer? Dreschen u. Pflügen 8(2):5-7. Feb.15,1953. 58.8 D81

48855 SEMENOV, N. P., and ALEKSEEVA, E. V. Experiment in two-shift work of milkmaids on Telman Kolkhoz. (In Russian.) Sotsialist. Zhivotnovod. 14(11): 76-78. Nov.1952. 49 So71

48856 SHEVCHENKO, A. Reinforcement of work discipline [on Pamiat' Lenina Collective Farm in Labin District, Krasnodar Territory]. (In Russian.) Kolkhoz. Proizvodstvo 13:19-21. Jan.1953. 281.8 K83

48857 SIDORENKO, K. In Iakov Shulga's tractor brigade. (In Russian.) Mashinno-Traktornaia Sta. 12(12): 13-15. Dec.1952. 58.8 M11
Work management.

48858 SKINNER, S. M. Our harvest labor. Mountaineer 23(195):18-19,21-22. Feb.1953. 80 M86
For fruit.

48859 SOMMERKAMP, G. Arbeitswirtschaftliche probleme und technische hilfsmittel des futterbaus in weidebetrieben. Kuratorium. f. Tech. in der Landwirt. Ber. über Landtech. 26:11-17. 1953. 18 K96
Germany.

48860 STOPFORD, R. R. Are agricultural workers underpaid? Estate Mag. 53:64-66. Feb.1953. 10 Es8
Great Britain.

48861 STOPPORKA, P. Die auswirkung der technisierung auf die arbeitsleistung und arbeitsorganisation eines mitteldeutschen grossbetriebes. Kühn-Arch. 65: 274-378. Ref. 1952. 105.8 H15Ku

48862 STREL'TSOV, I. Selection, training and education of machine-tractor station cadres. (In Russian.) Mashinno-Traktornaia Sta. 13:1-4. Jan.1953. 58.8 M11

48863 STUCKY, H. R. Rates for custom work in Montana. Mont. State Col. Ext. C. 242,3 p. Aug.1,1952. 275.29 M76Ci

48864 UMNOV, A. Accounting of money income distribution on collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(11):56-58. Nov.1952. 281.8 K83

48865 VELDEN, P. L. VAN DER. Organization and efficiency investigation. 2. (In Dutch.) Bergcultures 22: 15,17,19-20. Jan.1,1953. 22.5 B45
Indonesia.

48866 WEWERS, E. Arbeitsrecht für den molkereifachmann. Zentverband. Deut. Molkfachleute, u. Milchwirt. Schrreihe. 2,ed 2,enl.,84 p. 1952. 44.9 Z4

48867 WILCOX, R. H. Custom rates for the use of power-operated farm machines, 1951 and 1952. Ill. Agr. Col. Ext. AE2865,14 p. Mar.1952. 275.29 IL62P

48868 WIRTHS, W., and HETTINGER, T. Der energie verbrauch des menschen beim hand- und motorpflügen. Deut. Landwirt.-Gesell. Mitt. 68:256-257. Mar.12,1953. 18 N39

48869 WIRTHS, W., and HETTINGER, T. Wie gross ist die arbeitserleichterung durch melkmaschinen? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:341-342. Feb. 26,1953. 18 L2346

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

48870 ABRAMOV, IU. Development of suburban collective farms around the city of Rostov-on-Don. (In Russian.) Sotsialist. Sel'sk. Khoz. 33(10):38-45. Oct. 1952. 281.8 So73

48871 AGRICULTURAL COUNCIL OF CALIFORNIA. Summary of bills pertaining to agriculture as introduced to January 17th in the 1953 regular session, California Legislature. Sacramento,1953. 181 p. 4 Ag84

48872 AIELLO, F. Types of agriculture in Canada. (In Italian.) Riv. di Econ. Agr. 7:522-536. July/Dec. 1952. 281.8 R52

48873 ALBERTA. DEPT. OF AGRICULTURE. Farming in Alberta, Canada, by R. E. English. Rev. ed. Edmonton,1952. 38 p. 31.2 AL1

48874 ALBERTI. Was ich von der amerikanischen landwirtschaft sah. Landwirtbl. Weser-Ems 99:30-32. Jan.10,1952. 18 L2345

48875 ALLEN, G. H. Observations regarding livestock and agriculture in Britain and the U.S.A. (Abridged.) Queensland. Bur. Invest. Annu. Rpt. 8:39-63. 1952. 282.1992 Q3

48876 AMERICAN FARM BUR. FEDERATION. Forward from here with Farm Bureau; a digest of 1953 policies based on the resolutions adopted by the official voting delegates of the member State organizations to the 34th annual convention American Farm Bureau Federation, Seattle, Washington, December 1952. n.p.,1953. 30 p. 281.12 Am34F

48877 ÅSTRAND, H. The development of agricultural production in the United States. (In Swedish.) Jordbrekon. Meddel. 15:14-17. Jan.1953. 257.3 J76
English summary, p. 2.

48878 ATKINSON, E. Postwar agricultural production in the Far East. Food & Agr. Organ. United Nations. Mon. B. Agr. & Statis. 2:6-10. Jan.1953. 251 F73Mb

48879 DER AUFSCHWUNG der westdeutschen landwirtschaft nach der währungsreform. Deut. Inst. f. Wirtforsch. Wchnber. 20:17-19. Jan.30,1953. 280.9 B45W

48880 AUSTRALIA in facts and figures, number 33. Melbourne,1952. 66 p. 280.9 Au74
Includes agriculture.

48881 BANK OF NOVA SCOTIA. Agriculture—retrospect and prospect. Bank Nova Scotia. Mon. Rev. (n.s.)79:1-4. Dec.1952/Jan.1953. 280.9 B223

48882 BAWDEN, L., LASSEY, B., and THAYER, T. The agriculture of Dawson County. Mont. State Col. Farmer 6(2):12-13,18. Feb.1953. 276.8 M76

48883 BAYERLEIN, F. A. Brasiliens landwirtschaft am scheideweg. Wirtschaftsdienst 33:112-115. Feb. 1953. 280.8 W74

48884 BELLATI, B. Agriculture in 1952 in our province. (In Italian.) Gior. Econ. 37:630-631. Dec.1952. 280.8 G432

48885 BELLUCCI, V. Aspects of the intensity and activity of Canadian and United States agriculture. (In Italian.) Riv. di Econ. Agr. 7:495-496. July/Dec.1952. 281.8 R52

48886 BENEDIKTOV, I. To secure the unconditional fulfillment of the principal problem in agriculture. (In Russian.) Sovet. Agron. 11:3-12. Jan.1953. 20 So84

48887 BENEDIKTOV, I. Toward further advancement of socialist agriculture. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(11):3-15. Nov.1952. 281.8 So73
Policies and programs.

48888 BENSON, E. T. Agricultural policy. Flour & Feed 53(10):13. Mar.1953. 298.8 F66

48889 BENSON, E. T. Build strong from the grass roots; that must be our agricultural policy. Feed Bag 29(3):31,33. Mar.1953. 389.78 F32

48890 BENSON, E. T. Progress and new hope for the Nation. Co-op. Shipper 33(3):6-13. Mar.1953. 280.38 C78
Agricultural policy.

48891 BENSON, E. T. Progress and new hope for the Nation. Washington,U. S. D. A., Off. Sec.,1953. 12 p. 1.91 A2B44
Address, annual meeting, Central Livestock Association, Inc., St. Paul, Feb. 11, 1953.
Our agricultural policy.

48892 BENSON, E. T. Where I stand. Farm J. 77(4): 37,178-179. Apr.1953. 6 F2212
Policies and programs.

48893 BERGER, F. Die schwedische landwirtschaft. Salzburger Bauer 8(6):1-3. Feb.5,1953. 19 Sa3

48894 BLONDELLE, R. Climat. Bas-Rhin Agr. 8: 53-54. Feb.7,1953. 14 B29
Agricultural policy.

48895 BONATO, C. Considerations on the agricultural pool. (In Italian.) Riso 2:3-5. Jan.1953. 59.8 R49
The Green Pool.

48896 BOOTH, R. C. A political climate of sunshine. Feed Bag 29(2):23,94-95. Feb.1953. 389.78 F32
Agricultural.

48897 BOZZINI, F. Private initiative and agriculture. (In Italian.) Mondo Agr. 4(6):1-2. Feb.8,1953. 16 M74
Italy.

48898 BRANDT, K. The reconstruction of world agriculture. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:514-529. 1952. 284.29 In82

48899 BRENDL, O. Allgemeine probleme der ägyptischen landwirtschaft. Bodenkultur 6:268-276. 1952. 19 B635

48900 BROWN, C. H. Agricultural possibilities of Morocco. World Crops 5:98-100. Mar.1953. 281.8 W892

48901 BURCH, J. W. The contribution of agriculture in this expansion: possibilities in animal contribution to food needs. Mo. Agr. Expt. Sta. B. 589:31-38. Nov.1952. 100 M693

48902 BURGESS, P. S. Our agriculture, the long view and the present. Ariz. Cattlelog 8(6):12-16. Feb.1953. 43.8 Ar42

48903 BUTZ, E. L. Outlook good for farmers. Grain & Feed J. Consolidated 110(5):10. Mar.11,1953. 298.8 G762

48904 CALIFORNIA. STATE PMA COMMITTEE. 1951 annual report, PMA farm programs. Oakland,U. S. Prod. & Mktg. Admin.,1953. 57 p. 1.42 W52An
Agricultural conservation program.

48905 CAMBRIDGE UNIVERSITY. SCHOOL OF AGRICULTURE. A summary of the papers published by the members of the staff of the School of Agriculture and its associated research organisations during the period Oct. 1st, 1951—Sept. 30, 1952. Cambridge U. Sch. Agr. Mem. 24,27 p. Jan.1953. 103 C14M

48906 CANADA. DEPT. OF AGRICULTURE. The agricultural outlook for Canada, 1953. Ottawa,1953. 8 p.-folder. 281.8 Ag852

48907 CARULLO, F. Application of the law in the mountain area of Emilia. (In Italian.) Monti e Boschi 3: 558-571 Nov./Dec.1952. 16 M76
English summary, p. 572.
Mountain agriculture law.

48908 CAVALLO, G. Magnifica legislación agraria. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(198):7-8. Oct./Dec.1952. 8 R323

48909 CHACON, M. III Congreso Regional Sindical Agrario de Cataluña y Baleares. Cam. Ofic. Sind. Agr. de Barcelona. B. 7:266-272. Nov.1952. 15 C14
Includes conclusions of the Congress.

48910 CHONCHOL, J. Informe sobre las posibilidades de incorporar mas plenamente las provincias de Aisen y Chiloe continental a la economía nacional. Santiago,1952. 127 p. 281.164 C45
Includes agriculture.

48911 CIARROCCA, V. American agricultural policy. (In Italian.) Riv. di Econ. Agr. 7:478-485. July/Dec.1952. 281.8 R52

48912 COLORADO. STATE PMA COMMITTEE. The 1953 agricultural conservation program for Colorado. Denver,U. S. Prod. & Mktg. Admin.,1952. 65 p. 1.42 Ad4Acb

48913 COUPAR, J. R. Our race of royal farmers. Scot. Farmer 61(3141):35-38. Jan.1,1953. 10 Sco8
The interest of the British royal family in agriculture.

48914 DANNEMANN, R. Die agrarpolitik von gestern und morgen! Landwirtbl. Weser-Ems 100:131-132. Feb.5,1953. 18 L2345

48915 DAVIS, J. H. Economic equality for farmers is USDA goal. Cotton Digest 25(28):18-19,28-29,36. Mar. 21,1953. 286.82 C822

48916 DAVIU GEMIO, C. La República de Bolivia y la FAO. Agr. Trop. 9:55-58. Jan.1953. 26 Ag8
Agriculture.

48917 DEMIDOV, S. Most important problem in agriculture during the Fifth Five-Year Plan. (In Russian.) Sotsialist. Sel'sk. Khoz. 33(10):11-23. Oct.1952. 281.8 So73

48918 DEMIDOV, S. New enormous advancement of socialist agriculture in the Fifth Five-Year Plan. (In Russian.) Planovoe Khoz. 5:61-75. Sept./Oct.1952. 280.8 P69

48919 DEMIDOV, S. F. Problems of agriculture in the Fifth Five-Year Plan. (In Russian.) Agrobiologiia 6: 3-16. Nov./Dec.1952. 20 Ag822

48920 DEMING, A. The 'revolutionary' farmer; Benson would dose ailing agriculture with more free enterprise. Tarheel Banker 31(9):17,19-20. Mar.1953. 284.8 T17

48921 DERRICK, P. Capital development of agriculture; proposals by the Socialist Agricultural Society. Rur. Econ. 21(2):4. Mar.1953. 281.28 R8842

48922 DUNBAR, R. G. The farmer and the America way. New York,Oxford Book,1952. 90 p. (Oxford Social Studies Pamphlets. 15) 281.12 D91

48923 DUTHIL, J. Regards sur l'agriculture suédoise. Agr. Charentais 8(2):2. (Cont.) Jan.31,1953. 14 Ag825

48924 ECUADOR. CORPORACION DE FOMENTO. Síntesis de tres años de labor. Quito,1952. 87 p. 280.9 Ec95
Includes aid to agriculture.

48925 FARM FORUM ON PUBLIC POLICY. Frontiers in American agriculture; Fourth Annual Farm Forum, November 17-18, 1952. Mo. Agr. Expt. Sta. B. 589,44 p. Nov.1952. 100 M693

48926 FARMERS UNION CENTRAL EXCHANGE. Farm squeeze cited in parity resolution. Farmers Union Herald 27(5):8. Mar.16,1953. 280.28 F224
Resolutions on agricultural policy adopted at the 22d annual stockholders' meeting.

48927 FERREIRA, A. DO N. Impressions of a trip. (In Portuguese.) Gaz. do Agr. 4:293-294. Nov.1952. 24 G25
African agriculture.

48928 FINDLAY, D. H., and others. Some aspects of Lancashire agriculture. Roy. Agr. Soc. Eng. J. 113: 9-25. 1952. 10 R81
A. H. Fitton, J. K. Thompson, C. H. Mudd, and J. W. Ewan, joint authors.

48929 FLANAGAN, L. As I saw Turkey. Mont. State Col. Farmer 6(2):8,24,26. Feb.1953. 276.8 M76
Agriculture.

48930 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. UNITED KINGDOM. Report to the Food and Agriculture Organisation by the United Kingdom for 1950-1951. London,1951. 146 p. 389.9 G795

48931 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. U. S. INTERAGENCY COMMITTEE. Agricultural programs of the United States, current and prospective. Washington,U. S. Dept. Agr., 1952. 64 p. 1.90 A2Ag833

48932 FOODSTUFF production boost. Oriental Econ. 21:69-70. Feb.1953. 280.9 Or4
Japanese Five Year Plan.

48933 FRANK, H. E. R. E. A. More attention to agriculture in France. (In Dutch.) Landbouwwereldnieuws 8:150-152. Mar.7,1953. 12 L237
Policy.

48934 FREEMAN, P. Great Britain and the world's food supply. Veg. News 32(279):5-12. Spring 1953. 389.8 V523

48935 FRYDE, M. M. Selected works on Polish agrarian history and agriculture; a bibliographical survey. New York City,Mid-European Studies Center,1952. 87 p. 241 F94

48936 GARDINER, J. G. La situation vue par le Ministre de l'Agriculture. Ferme 14(6):53-55. Feb.1953. 7 F38
Canada.

48937 GASPARINI, M. Directives for mountain agriculture. (In Italian.) Monti e Boschi 3:533-539. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

48938 GOMES, P. Agricultural situation. (In Portuguese.) Bras. Açucareiro 40:494-496. Oct.1953. 65.8 B73

48939 GONZALEZ GUERRERO, P. Problemas extremeños agropecuarios. Agricultura [Madrid] 21:679-683. Dec.1952. 15 Ag84

48940 GONZALEZ TAFUR, O. B. Perú, población y agricultura. Lima, Librería Internacional del Perú, 1952. 288 p. Ref. 281.168 G58

48941 GORSHUNOV, F. Successful development of the Albanian People's Republic. (In Russian.) Vneshn. Torg. 22(10):25-32. Oct.1952. 286.8 F762
Includes agriculture.

48942 GRANDE COVIAN, R. El plan de fomento agrario portugues. Asoc. Nac. de Ingen. Agrón. B. 3(33): 3-6. Dec.1952. 58.9 As5

48943 GT. BRIT. COLONIAL OFF. An economic survey of the Colonial Territories 1951, Volume IV. The West Indian and American territories. London, 1953. 274 p. 280.171 G791
Includes agriculture and trade.

48944 GRIESAU, H. D. Die britische Agrargesetzgebung des jahres 1947. Ber. über Landwirt. (n.s.)30:515-520. 1952. 18 G31

48945 GRUBER, H. Zum jahresanfang. Kärntner Bauer 103:3-6. Jan.15,1953. 19 K14

48946 GUERRA, A. La Zaragoza industrial que nosotros anhelamos. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 55:15-16. Dec.1952. 15 Sa7
For increase of agricultural industries.

48947 GUYOT, S. Le Plan Quinquennal Indien. Oléagineux 8:90-91. Feb.1953. 77.8 OL2

48948 HACHENBERG, F. Ertragssteigerung in land- und waldwirtschaft. Unser Wald 6:6. Jan.1953. 99.8 Un7
Germany.

48949 HAINSWORTH, R. G. How many people can the earth feed? Foreign Agr. 17:23-29. Feb.1953. 1.9 Ec7For

48950 HALCROW, H. G. Agricultural policy of the United States. New York, Prentice-Hall, 1953. 458 p. 281.12 H132

48951 HARWOOD, L. W. Agriculture in Fiji. Agr. Soc. Trinidad & Tobago J. 52:303,305-307,309-312. Sept. 1952. 8 T73

48952 HASLER, J. A. Tatetla, ensayo fisiográfico-económico de la zona semiárida del centro de Veracruz. Tierra [Mexico] 8:94-95,128-129. Feb.1953. 8 T445
Agriculture.

48953 HAUGSET, Å. Impressions from agriculture in Rogaland. (In Norwegian.) Landbrukstidende 59:86-88. Feb.4,1953. 11 L236

48954 HAUSCHILD, I. Schweiz schützt die landwirtschaft. Bauer 6(5):3-5. Jan.31,1953. 19 B32
Legislation.

48955 HAUSHOFER, H. Der bauer zwischen Ost und West. (Sum.) Kärntner Bauer 102:650-651. Dec.20, 1952. 19 K14

48956 HEGER, C. Agriculture in Belgium. (In Dutch.) Landbouwwereldnieuws 8:147-149. Mar.7,1953. 12 L237

48957 HICKS, J. W. How much does the USDA spend? Purdue U. Agr. Ext. Econ. & Mktg. Inform. Ind. Farmers, Jan.29,1953:3-4. 275.29 In2Em

48958 HILTON, J. H. Agriculture—"The challenge." In Conservation Congress, Raleigh, 1952. Conservation and development in North Carolina, v.2,p.326-327. Raleigh, 1952. 279.9 C7633

48959 HOCHLEITNER, E. Auf dem wege zu einer agrarunion? Agr. Rundschau 9:13-25. Winter 1952/53. 280.8 Ag82

48960 HOLMSTROM, S. Entwicklungslinien der schwedischen landwirtschaft. Ber. über Landwirt. (n.s.) 30:473-483. 1952. 18 G31

48961 HOOBLER, S. Q. Keeping up on the farm outlook. Wash. State Col. Ext. C. 222,6 p.-folder. Jan.30, 1953. 275.29 W27C

48962 HORVÁT, I. Vegetation as a natural basis of mountain farming. (In Serbo-Croatian.) Veterinaria [Sarajevo] 1:649-672. 1952. 41.8 V6494
English summary.

48963 HUTTEBRAUKER. Eindrücke von einer reise durch Schweden. IV-VI. Landwirt. Z. der Nord-Rheinprov. 120:62,104-105,132-133. Jan.17-31,1953. 18 L2344
Agricultural observations.

48964 HYODO, S. Overseas information: agricultural development in southeast Asia and the Far East. (In Japanese.) Nōrin Jihō 12(2):29-32. Feb.1953. 22.5 N772

48965 ISRAEL. Government year-book 5713 (1952). Jerusalem, 1952. 485 p. 277.185 Is7
Includes agriculture.

48966 JAGER, P. Die lage der stadtnahen landwirtschaft in den höhengebieten des bergischen landes. Landwirt. Z. der Nord-Rheinprov. 120:163. Feb.7,1953. 18 L2344

48967 JASKA, E. Trends of agricultural policy in south and southeast Asia. Wirtschaftsdienst, Eng. Ed. Dec.1952:21-24. 280.8 W74E

48968 JASNY, N. Die landwirtschaft im 5. Sowjetischen Fünfjahresplan. Agrarwirtschaft 2:60-65. Feb. 1953. 281.8 Ag826

48969 THE JOB ahead for agriculture. Natl. Live Stock Prod. 31(5):14. Mar.1953. 280.38 N21
Productive capacity.

48970 JOHNSON, S. E. Achieving the needed output of farm products. Mo. Agr. Expt. Sta. B. 589:11-18. Nov. 1952. 100 M693

48971 JUSCAFRESA, B. Economía y política agraria. Ceres [Valladolid] 18(458):9-10. Jan.15,1953. 15 C33
Spain.

48972 KELEGAMA, J. B. The food crisis and stagnation in agriculture. Ceylon Trade J. 15:1-4. Jan. 1953. 286.8 C333

48973 KELSO, M. M. Major changes in American agriculture during the past twenty-five years. Mont. State Col. Ext. B. 274:7-14. June 1952. 275.29 M76C

48974 KERR, R. S. Calls farm slump recession trend. Okla. Union Farmer 31(2):6. Feb.1953. 280.28 Ok4

48975 KLAYMAN, M. I. International index numbers of food and agricultural production. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 2:1-6. Jan.1953. 251 F73Mb

48976 KLINGNER, C. E. Agricultural policies needed to safeguard our long-run welfare in this process of expansion. Mo. Agr. Expt. Sta. B. 589:19-22. Nov.1952. 100 M693

48977 KNOTT, J. C. Washington State College faces expanding agriculture. Wash. State Hort. Assoc. Proc. 48:101,103-107. 1952. 81 W273

48978 KNUDSEN, A. F. American farmer's protest against the policies of the Secretary of Agriculture Benson. (In Danish.) Denmark. Landbrraadet. Meddel. 8: 138-139. Feb.19,1953. 11 D415L

48979 KONO, Y. Singularity of Shimabara Peninsula zone in the agriculture of Nagasaki Prefecture. (In Japanese.) Kyushu Noji Shikenjo 10:123-124. Sept.1952. 107.6 K996

48980 KOVALEV, E. Three years of the Chinese People's Republic. (In Russian.) Voprosy Ekon. 10:86-99. Oct.1952. 280.8 V89
Includes achievements in agriculture.

48981 KRAEV, M. Stalin's theory of collectivization of agriculture. (In Russian.) Voprosy Ekon. 11:89-102. Nov.1952. 280.8 V89

48982 KULAGIN, M. Triumph of the Stalin collective farm system. (In Russian.) Kolkhoz. Proizvodstvo 12(11): 9-14. Nov.1952. 281.8 K83
Policies and programs.

48983 LEDESMA, A. F. DE, and LEDESMA, E. M. DE. The old order, and the new, in Argentine agriculture. Rev. River Plate 113(3137):17-18. Feb.10,1953. 286.8 R32

48984 LESPERANCE, R. Conditions et potentialités de l'agriculture du Bas St-Laurent et de la Gaspésie. Terre de Chez Nous 24(49):15,14. Jan.28,1953. 7 T27

48985 L'ESTRANGE, J. A. Loneliest farmer on remote Atlantic island. Veldtrust 14(12):16-18,27. Dec. 1952. 56.8 V54
Richard Upton, agriculturist on Tristan da Cunha Island and his work there.

48986 LOGEMANN, F., and KUBEL, F. Wie steht es um die landwirtschaft? Von zwei seiten gesehen. Deut. Landwirt. Presse 76:13. Jan.10,1953. 18 D482

48987 LONGWELL, J. H. The contribution of agriculture in this expansion: possibilities in soil improvement and crop production. Mo. Agr. Expt. Sta. B. 589:23-30. Nov.1952. 100 M693

48988 LUNINCK, FREIHERR VON. Kernprobleme des deutschen bauerntums. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1605-1606. Oct.2,1952. 18 L2346

48989 LYSENKO, T. D. On problems of the All-Union Lenin Academy of Agricultural Sciences in fulfilling the resolutions of the 19th Party Congress in regard to the development of agriculture in U.S.S.R. (In Russian.) Agrobiologiia [illegible]6. Nov./Dec.1952. 20 Ag822

48990 MCKEE, C. Some changes affecting Montana agriculture. Mont. State Col. Ext. B. 274:15-18. June 1952. 275.29 M76C

48991 MAIER-BODE, F. W. Agrarpolitische gegenwartsfragen. (Extr.) Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:793. May 22,1952. 18 L2346

48992 MAIERHOFER, V. Erkenntnis und selbsthilfe. Kärntner Bauer 102:639-641. Dec.20,1952. 19 K14
Aspects of agriculture.

48993 MAIERHOFER, V. Erkenntnis und selbsthilfe. Salzburger Bauer 8(2):1-2. Jan.8,1953. 19 Sa3
Agriculture.

48994 MARASSI, A. Agriculture in Peru. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:300-325. Oct./Dec.1952. 26 Ag82
English summary.

48995 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE AND HORTICULTURE. Farm business conference report, 1953. Amherst,1952. 68 p. 281.9 R885
Includes The Outlook for Agriculture and Technical Progress, by O. V. Wells, p. 14-25.

48996 MATHER, A. F. Politics and posterity. Calif. Cattleman,Mar.1953:8-9,19-22. 43.8 C12
Regulation of agriculture.

48997 MATTE, V. H. Government measures affecting agriculture. Econ. Annal. 23:18-23. Feb.1953. 281.8 Ec72
Canada.

48998 MEDICI, G. Politica agraria [Agrarian policies], 1945-1952. Bologna,Zanichelli,1952. 441 p. 281.176 M46P

48999 MEDICI G. Report on the Senate law. (In Italian.) Monti e Boschi 3:487-499. Nov./Dec.1952. 16 M76
English summary, p. 572.
On the law for mountain areas in Italy.

49000 MEHTA, V. L. Co-operative planning in Madhya Bharat. Bombay Co-op. Q. 36:121-123. Jan.1953. 280.28 B63

49001 MEIHSL, P. Zur problematik einer europäischen agrarunion. Agr. Rundschau 9:1-11. Ref. Winter 1952/53. 280.8 Ag82

49002 MIKOLAJCZYK, S. The last Bolshevik congress and agrarian problems behind the Iron Curtain. Internatl. Peasant Union. B. 4:2-10. 1953. 280.9 In822

49003 MILLAR, G. C. Looking back on the year. Scot. Farmer 61(3141):33-34. Jan.1,1953. 10 Sco8
The agricultural situation.

49004 MUIR, D. J. Queensland's contribution to world food supplies. New Commonwealth 24:574-577. Dec.8,1952. 280.8 C88
Agriculture.

49005 MUTTER, J. L. The farmers' year. Foreign Trade 13(323):21-23. Mar.7,1953. 286.8 C162
Danish agricultural situation.

49006 NATIONAL ASSOCIATION OF COMMISSIONERS, SECRETARIES AND DIRECTORS OF AGRICULTURE. Proceedings, Seattle, Washington, September 28—October 2, 1952, Edmond S. Meany Hotel. n.p.,1952. 146 p. 4 N217

49007 NEIGHBOURS, J. L. Agriculture, an honorable profession. Aberdeen-Angus J. 34(8):66,186. Mar.1953. 43.8 Ab3
In the Bible.

49008 NEUMAYR, L. Das schweizer Landwirtschaftsgesetz und die österreichische landwirtschaft. Landwirtschaft 3/4:37-40. Feb.1953. 19 L235

49009 NEUMAYR, L. Das schweizer Landwirtschaftsgesetz und die österreichische landwirtschaft. Salzburger Bauer 8(9):1-2. Feb.26,1953. 19 Sa3

49010 NEW ZEALAND. DEPT. OF AGRICULTURE. Primary production in New Zealand. Wellington,1952. 159 p. 281.1993 N483

49011 NOLD, T. The new regime. East. Fruit Grower 15(12):5,29. Feb.1953. 80 Ea73
U. S. Department of Agriculture.

49012 NOURSE, E. G. Agriculture's place in our economic stabilization philosophy. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:570-579. 1952. 284.29 In82

49013 NUYTEMANS, F. Coup d'oeil rétrospectif sur la Conférence Fédérale-Provinciale de l'Agriculture. Ferme 14(5):20-21,56,58-59. Jan.1953. 7 F38

49014 OLESEN, H. English agriculture at the turn of the year. (In Danish.) Tolvmandsbladet 25:48-50. Feb. 1953. 11 T58

49015 ORLANDO, G. Reflections on the visit to the agricultural and industrial centers of Ontario and some of the Northern States of the United States. (In Italian.) Riv. di Econ. Agr. 7:473-477. July/Dec.1952. 281.8 R52

49016 OXFORD FARMING CONFERENCE. Report on the 7th Conference, held from Monday, 5th—Wednesday, 7th January, 1953. Brit. Agr. B. 5:356-366. Mar.1953. 10 B776

49017 PACYNA, G. Agrarpolitik—landvolkpolitik. Übersicht 4:3-4. Jan.1953. 18 Ub3
Germany.

49018 PAEZ, J. Algunos aspectos de la agricultura peruana. Soc. Quim. del Peru. B. 18:151-172. Sept. 1952. 385 So15

49019 PAGANI, F. Italian agriculture and the green pool. (In Italian.) Rass. dell'Agr. Ital. 7(12):16-20. Dec. 1952. 281.8 R18

49020 PAIVA, R. M. Agriculture in Africa. (In Portuguese.) São Paulo. Dir. de Publicidade Agr. B. de Agr. 51:9-240. 1950,pub.1952. 9.2 Sa63

49021 PANARETOS, A. Cyprus agricultural proverbs. Countryman [Nicosia] 6(12):5-7. Dec.1952. 25 C83

49022 PANORAMA de 1952; perspectivas para 1953. Conjuntura Econ. 7,104 p. 1953. 280.8 C7652
Includes agriculture in Brazil.

49023 PASTORINI, F. M. Development and prospects for Torino agriculture. (In Italian.) Cron. Econ. 121: 17-20. Jan.1953. 280.8 C882

49024 PETERSEN, A. Die landwirtschaft der Deutschen Demokratischen Republik. (Extr.) Interagra 6:317-319. 1952. 28 In825

49025 PFLAUMBAUM, W. Als landwirt auf einer reise durch die USA. Hannoversche Land- u. Forstwirt. Ztg. 106:114-115. (Cont.) Jan.31,1953. 18 H194

49026 PFLAUMBAUM, W. Als landwirt auf einer reise durch die USA. Hannoversche Land- u. Forstwirt. Ztg. 106:186. (Concl.) Feb.14,1953. 18 H194

49027 PINSTRUP, H. Agriculture and agricultural exports of Denmark in 1952. (In Dutch.) Landbouwwereldnieuws 8:51-56. Jan.24,1953. 12 L237

49028 PINSTRUP, H. Agriculture at the end of 1952. (In Danish.) Jydsk Landbr. 35:2-8. (Concl.) Jan.5,1953. 11 J99

49029 POLITICAL AND ECONOMIC PLANNING. Planned development in the less developed countries. Planning 19:153-168. Feb.16,1953. 280.8 P693
Includes rural rehabilitation.

49030 PRATELLI, G. American agricultural news. (In Italian.) Gior. di Agr. 63:37. Feb.1,1953. 16 It1G

49031 PULGAR VIDAL, J. A proposito de los congresos agrónomicos de Medellin y Manizales. Agr. Trop. 9:59-61. Jan.1953. 26 Ag8

49032 RADEV, K., DENISENKO, M., and KNISKA, J. Improvement work on the Island of Zhitnyi. (In Czech.) Za Socialist. Zemedel. 2:1395-1403. Dec.1952. 19.5 Z1
Agricultural.

49033 REHRL, K. Schweden rationalisiert seine landwirtschaft. Osterr. Landtech. 5:266-269. Oct.1952. 58.8 L236

49034 RIEMANN, F. Anbauplanung und konjunktur. Hannoversche Land- u. Forstwirt. Ztg. 106:115. Jan.31, 1953. 18 H194

49035 RINFRET, J. Culture et agronomie dans le comté de Matapédia. Ferme 14(5):10-11. Jan.1953. 7 F38

49036 ROYACKERS, G. P. F. Agriculture faces hard reality. (In Dutch.) Stichting v. de Landb. Meded. 8:40-41 Feb.13,1953. 12 St5
Netherlands.

49037 SAVEL'EV, B. Increasing productivity—chief problem in agriculture. (In Russian.) Kolkhoz. Proizvodstvo 12(12):1-5. Dec.1952. 281.8 K83

49038 SCHICKELE, R. Our farm program—where are we headed? Farm Policy Forum 6(2):5-9. Feb. 1953. 281.8 F2274

49039 SCHILL, L. "Amerika, du hast es besser!" Bauern-Ztg. 6(5):1-2. Feb.6,1953. 18 B324
Agriculture.

49040 SCHLEINZER, K. Ein gauobmann berichtet aus seiner gemeinde. Kärntner Bauer 102:648-650. Dec.20,1952. 19 K14

49041 SCHNEITER. Die Schweiz fördert ihre bauern; agrarpolitische gegenwartsprobleme der eidgenossen. Übersicht 4:13-15. Jan.1953. 18 Ub3

49042 SCHROEDER, K. Wandlungen der amerikanischen landwirtschaft. Umschau 53:104-105. Feb.15,1953. 474 Um7

49043 SCHULTZE, J. H. Das problem der natürlichen landschaften und ihrer kartierung in der Deutschen Demokratischen Republik. Deut. Akad. der Landwirtwiss. Sitzber. 1(8),23 p., Ref. 1952. 18 D4825

49044 SCHWARZACHER, F. Die landwirtschaft in Holland. (Extr.) Salzburger Bauer 8(5):1-2. Jan.29, 1953. 19 Sa3

49045 SECONDI, P. Economic protection of agriculture. (In Italian.) B. dell'Agr. 87(9):1. Feb.27,1953. 16 B87
Italy.

49046 SERPIERI, A. The new law for the mountain. (In Italian.) Monti e Boschi 3:484-486. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

49047 SEVEN years to 1960. Farm Mangt. 2(4):56-58. Mar.1953. 281.8 F2225
Agricultural productive capacity.

49048 SHAY, F. M. Important farm policy actions taken by National Farmer Co-op Council. Sunsweet Standard 36(9):4. Feb.1953. 286.83 Su7

49049 SHIRINSKII, I. The greatest [Fifth Five-Year] plan for the advancement of the national economy of U. S. S. R. (In Russian.) Voprosy Ekon. 10:56-68. Oct. 1952. 280.8 V89
Includes agriculture.

49050 SIELING, D. H. What's ahead for agriculture? Farm Bur., Mass. Jan.1953:16-17. 275.293 Mass.

49051 SLADKOVSKII, M. Great achievements of the Chinese nation. (In Russian.) Vneshn. Torg. 22(10):6-14. Oct.1952. 286.8 F762
Includes agriculture.

49052 SLUIS, P. M. VAN DER. The El Ghab Valley in Syria. III. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:11-18. (Cont.) Jan.1953. 12 N282
Agriculture.

49053 SOMMERKAMP. Wo stehen wir? Hannoversche Land- u. Forstwirt. Ztg. 106:27-28. Jan.10,1953. 18 H194

49054 SORBI, U. Lines for a future agricultural policy in the United States. (In Italian.) Riv. di Econ. Agr. 7:517-521. July/Dec.1952. 281.8 R52

49055 STANFIELD, D. R. Farmers face 1953 legislative issues. Ohio Farm Bur. News 32(7):8-9. Feb.1953. 6 Oh34
Ohio legislation.

49056 STORM-PEINE. Agrarpolitik—Westdeutsche verflechtungen mit der weltwirtschaft. Landwirtbl. Weser-Ems 100:159-160. Feb.12,1953. 18 L2345

49057 STROMMER, J. Unsere arbeit für die bauernschaft. Osterr. Bauernbündler 9(8):2. Feb.21,1953. 19 Os7

49058 SUCCESSFUL FARMING. New farm horizons; a survey of fifty years of farm progress and a discussion of America's agricultural future. Des Moines,Meredith 1952. 91 p. 31.3 Su1

49059 TELLO, C. M. Factores que deben tomarse en cuenta para obtener precios bajos en los productos rurales. Tierra [México] 8:42. Jan.1953. 8 T445
Mexico.

49060 THIEDE, G. Uberblick über die ernährungswirtschaftlichen produktions- und versorgungsleistungen der landwirtschaft in den westdeutschen Bundesländern. Ber. über Landwirt. (n.s.)30:423-459. 1952. 18 G31

49061 THIERBACH, H. Spanische reise 1952. Ubersicht 3(12):48-54. Dec.1952. 18 Ub3
Includes description of agriculture.

49062 THOMSON, L. B. The PFRA record. Country Guide 72(2):8-9,43-45. Feb.1953. 7 G76
Activities under the Prairie Farm Rehabilitation Act.

49063 THORSEN, E. English agriculture in strong development. (In Danish.) Tidsskr. f. Landøkon. 2:73-82. Feb.1953. 11 T43

49064 THUNGEN, D.,FREIHERR VON. Berlin hat gerufen. Deut. Landwirt.-Gesell. Mitt. 68:145-146. Feb.12,1953. 18 M39
Agricultural conditions in the Russian Zone.

49065 TIBE, C. R. The eight agricultural regions of the Philippines. Agr. & Indus. Life 15:20,39. Jan.1953. 25 Ag8

49066 TOOTELL, R. B. What the people said at Montana Rural Progress conferences, 1952. Mont. State Col. Ext. B. 274,115 p. June 1952. 275.29 M76C

49067 TRUJILLO, M. S. Tierra en la República—Sonora. 2. La importancia de la defensa agrícola. Tierra [Mexico] 8:132-138. Feb.1953. 8 T445

49068 UMPFENBACH. Das vergangene erntejahr. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1604. Oct. 2,1952. 18 L2346

49069 UNITED NATIONS. SECRETARIAT. TECHNICAL ASSISTANCE ADMIN. Report of an exploratory mission of the United Nations on the economic and social development of the Department of Cuzco (Peru). New York,1952. 18 p. (United Nations. [Document] ST/TAA/K/Peru 1) 280.168 Un3
United Nations Publications. 1952.II.B.1.
Includes agricultural policy.

49070 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. General farm situation Hearing, 83d Cong., 1st sess. on report of the Bureau of Agricultural Economics on the general farm situation, Febraury 4, 1953. Washington,1953. 36 p.

49071 U. S. DEPT. OF AGRICULTURE. LIBRARY. Available bibliographies and lists. U. S. D. A. Libr., Libr. List. 25,rev.,1 p. Jan.1953. 1.916 L612

49072 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Abridged list of federal laws applicable to agriculture. Washington,1953. 27 p. (Document 2). 1.914 A2Ab82

49073 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Published information on agriculture in foreign countries, January 1937-December 1952. Washington,1953. 59 p. 1.943 In3

49074 U. S. PRODUCTION AND MARKETING ADMIN. Agricultural conservation program; maps 1951. Washington,1952. 61 p. 1.956 F45Ag8

49075 U. S. PRODUCTION AND MARKETING ADMIN. 1951 agricultural conservation program; report on conservation materials and services furnished. Washington, 1952. 66 p. 1.956 F45R29

49076 VALENTIN, J. Notre-Dame de Bellefontaine, foyer spirituel et centre agricole des Mauges Angevines. Potasse 27:31-32. Feb.1953. 57.8 P84

49077 VALLE, O. Agriculture. Fennia 72:448-473. 1952. 511 H367

49078 VAN AARTSEN, J. P. Agricultural geography. Tijdschr. v. Econ. en Sociale Geog. 44:27-28. Jan.1953. 280.8 T44

49079 VATULIN, B. Growth of productivity and attainment of agricultural requirements in U.S.S.R. (In Russian.) Kolkhoz. Proizvodstvo 12(12):13-16. Dec.1952. 281.8 K83

49080 VOURAS, P. P. Greece's means of livelihood. J. Geog. 52:89-98. Mar.1953. 278.8 J82
Chiefly on agriculture.

49081 WATSON, SIR J. S. High farming in high gear. Food & Agr. Organ. United Nations. United Kingdom. Rpt. 1950/51:42-57. 1951. 389.9 G795

49082 WELLS, O. V. Every man his own forecaster. Natl. Assoc. Comnr. Sec. & Dir. Agr. Proc. 34:43-48. 1952. 4 N217
Agricultural outlook.

49083 WIESSE, J. R. S. The Xauxa Valley in the central Peruvian Andes. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:332-338. Oct./Dec.1952. 26 Ag82
English summary.
Agriculture.

49084 WILBRAND, J. Münsterland—bauernland. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:1321. Aug. 28,1952. 18 L2346

49085 WILMOWSKY, T., FREIHERR VON. Landwirtschaft, industrie und wissenschaft an einen tisch bringen. Landtechnik 8:86-87. Feb.28,1953. 58.8 L23b
Germany.

49086 WILTINK, J. G. Ruanda Urundi. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 44:19-27. Jan.1953. 280.8 T44
English summary.
Includes description of agriculture.

49087 YOUNG, L. G. Aspects of agriculture in the Cochrane district. O.A.C. Rev. 65:184-185. Jan.1953. 276.8 On8

49088 YOUNG, W. B. Agriculture looks forward to era of scientific advancement and independence. (Condensed.) Conn. Farmer 7(8,i.e.9):7,19. Jan.1953. 6 C763

49089 YUDKIN, J. Food and the future. 2. (B). Food production in Israel. Chem. & Indus. 7:140-143. Feb. 14,1953. 382 M31C
Agriculture.

49090 ZUCCHINI, M. Problems of Ferrara agriculture. I-III. (In Italian.) Agr. Ferrarese 56:189-192,213-217,233-235. Sept.30,-Nov,30,1952. 16 Ag87

Subsidies

49091 ALVES, F. On the acquisition of dairy heifers with government aid. (In Portuguese.) Rev. dos Criadores 23(12):62-63. Dec.1952. 43.8 R32

49092 GALLWEY, G. B. Compiling subsidy returns. Austral. Dairy Rev. 21(1):12-13; (2):12,15. (Cont.) Jan. 1-Feb.2,1953. 44.8 Au73

49093 LAJOUSE. Les subventions a l'agriculture au Canada. France. Min. de l'Agr. Rev. Études & Monog. 79:273-275. Feb.1953. 281.8 F84

COST AND STANDARD OF LIVING

49094 PECHENIUK, O., and LISTON, M. Selected indicators as measures of economic status of farm families in the North Central Region. J. Home Econ. 45: 187-190. Mar.1953. 321.8 J82

FARM MANAGEMENT AND LAND ECONOMICS

49095 ALBERT, W. Alles in allem: Markkleeberg hat uns ein gut stück weitergebracht. Deut. Agrartech. 2:227-229. Aug.1952. 58.8 D482

49096 ANDREWS, M. B. Exploring the textile community; a farm program pays off in better community relations. Textile World 103(3):143,184,186. Mar.1953. 304.8 T315
Program to encourage farm diversification.

49097 ANTONIANI, C. Inroads on the farm. (In Italian.) Humus 9:9-13. Jan.1953. 16 H88
Farming as an occupation and problems of farm management.

49098 ARNOLD, E. C. H. Religious group farms in present-day China. Coop. Living 4(2):10-13. Winter 1952/53. 280.28 C7871

49099 ASHBY, A. W. Type-of-farming area. Farm Econ. 7:116-117. 1952. 281.8 F223

49100 ASMIS, W. Einheitsorganisation oder arbeitsteilung in der landwirtschaft? Deut. Landwirt.-Gesell. Mitt. 68:98. Jan.29,1953. 18 M39

49101 BACHTHALER, G. Die arbeitstechnische und betriebswirtschaftliche umstellung zum häckselhof. Landwirt. Jahrb. f. Bayern 30:29-54. Ref. Jan.1953. 18 L24

49102 BARTH. Obstbau als teilbetrieb in der landwirtschaft. Hess. Obstbau 8:5-8. Jan.1953. 80 G1932

49103 BASOV, I., and KRYLOV, A. To strengthen the staff of managers and mechanizers of machine-tractor stations. (In Russian.) Mashinno-Traktornaîa Sta. 12(11): 10-11. Nov.1952. 58.8 M11

49104 BECKWITH, L. Public lands. S. Dak. Stockgrower 7:28. Feb.15,1953. 49 So84

49105 BENEDICT, M. R. Tenancy reform and agricultural credit policy. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:420-432. 1952. 284.29 In82

49106 BERENDES, P. Erzeugungsrichtung und erzeugungsleistung. Landwirt. Wchnbl. f. Westfalen u. Lippe 109A:871-872. June 5,1952. 18 L2346

49107 BOLOGNA, L. M. The Shika Stock Farm (northern Nigeria). (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:281-284. Oct./Dec.1952. 26 Ag82
English summary.

49108 BOON, C. Sind die kleinen agrarbetriebe in unserem lande lebensfähig? I-II. Bauer 25(5):2-4; (6):2-3. Feb.1-8,1953. 281.8 B323
Belgium.

49109 BOON, C. Sind die kleinen betriebe in unserem lande lebensfähig? III. Bauer 25(7):2-3. Feb.15, 1953. 281.8 B323
Belgium.

49110 BOON, C. Sind die kleinen betriebe in unserem lande lebensfähig? IV. Bauer 25(8):2. (Cont.) Feb.22,1953. 281.8 B323
Belgium.

49111 BROUGH, O. L. The future's in flexible farming. Oreg. Farmer 76:176,214. Mar.5,1953. 6 Or32

49112 BUTLER, E. A report on French farming. Prog. Farmer, Tex. Ed. 68(3):56,58-59. Mar.1953. 6 T311

49113 CANADA. MARKETING SERV. ECONOMICS DIV. Farm organization in the northern Okanagan Valley, British Columbia, by H. W. Trevor and D. W. Ware. Ottawa,1952. 38 p. 281.132 C16Fo

49114 CARSLAW, R. M. Que es "farm management." Simiente 22:195-200. Jan./June 1952. 9.3 Si4
Includes discussion.

49115 CHOHLIS, J. Intelligent planning, vigorously pursued, tells the profit and production story of the Dudley-Parker Ranch. West. Livestock J. 31(5):37-43, 148,150,152,154,156,158. Jan.1953. 6 F2278

49116 CHUKHNO, A., and RAFIENKO, N. Method of managing the affairs of an artel [Kommunisticheskii Maîak Kolkhoz, in Apollon District, Stavropol Territory]. (In Russian.) Kolkhoz. Proizvodstvo 13:13-15. Jan.1953. 281.8 K83

49117 COCCO, E. DI. The Dowd farm. (In Italian.) Riv. di Econ. Agr. 7:496-506. July/Dec.1952. 281.8 R52
Management aspects.

49118 COLORADO. BOARD OF LAND COMMISSIONERS. Biennial report July 1, 1950, to June 30, 1952. Denver,1952. 43 p. 252.11 L22R

49119 COSOLO, S., and others. Central Sorocaba region. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2,p.229-258. Firenze,1952. 282.2 R66
V. Gatti, R. Megna, and G. Rocchetti, joint authors.
Farming costs and rehabilitation of a farm.

49120 DAVIDSON, R. D. Federal rural lands and how they are used. Agr. Situation [Washington] 37(3):5-7. Mar.1953. 1 Ec7Ag

49121 DEITEMEYER, C. Our school lands. IV. Nebr. Farmer 95(5):8,62-63. Mar.7,1953. 6 N27

49122 DRIVER, P. N. Some implications of cooperative farming in India. Indian Co-op. Rev. 18:248-255. July/Sept.1952. 280.28 In2

49123 FIENUP, D. F. Resource productivity on Montana dry-land crop farms. Mont. Agr. Expt. Sta. Mimeog. C. 66,81 p. Ref. June 1952. 100 M76M

49124 FISHER, J. L. Natural resources and technological change. Land Econ. 29:57-71. Feb.1953. 282.8 J82
Includes land and forest resources.

49125 FLORENT'EV, L. Result of introducing scientific achievements and leading practices into collective farm production. (In Russian.) Kolkhoz. Proizvodstvo 12(12):11-12. Dec.1952. 281.8 K83

49126 FORMOSA. DEPT. OF AGRICULTURE AND FORESTRY. Agricultural basic survey; report on investigation of farm economy for rice and miscellaneous cropping farm family. Taipei,1952. 610 p. 269.7 F7632
Includes costs and returns.

49127 GEL'MAN, V. Bashtanskaîa MTS in the effort for high yields. (In Russian.) Mashinno-Traktornaîa Sta. 12(12):7-9. Dec.1952. 58.8 M11

49128 GLOTOV, I. A public economy [property]--the principal force of collective farms. (In Russian.) Kolkhoz. Proizvodstvo 13:3-7. Jan.1953. 281.8 K83

49129 GORY, G., and GAUTHIER, J. Notions d'agriculture; manuel d'enseignement agricole. Périgueux, Fontas,1952. 334 p. 30.2 G68

49130 GRAVES, P. E., and STURROCK, F. G. Changes in the economic organisation of agriculture; a financial study of 320 farms in the Eastern Counties of England in 1950 and 1951; with a supplement on the effect of farm size on output. Cambridge. U. Sch. Agr. Farm Econ. Br. Rpt. 39,35 p. Jan.1953. 281.9 C14

49131 GT. BRIT. AGRICULTURAL LAND COMMISSION. Agriculture Act, 1947; accounts 1951-52. London, 1953. 15 p. 282.9 G793A
Management.

49132 GRIER, J. Farming in Norway. Kans. Agr. Student 29(3):10-11. Feb.1953. 276.8 K13

49133 GRIESBECK. Sorgfältige planung des frühjahrsanbaues! Landwirt. Wchnbl. 143:145. Feb.7,1953. 18 L2338
Germany.

49134 GYNN, G. Output trebled in three years. Farmer & Stock-Breeder 67(3302):54-55. Feb.3/4,1953. 10 F228

49135 GYNN, G. £ 3,000 turnover from 35 acres; simplicity the keynote of management resulting in output of £78 per acre. Farmer & Stock-Breeder 67(3303):49,51. Feb.10,1953. 10 F228

49136 HARTMANS, E. H. M. The importance of knowledge of farm management. (In Dutch.) Landbode 7 (9):15. Feb.26,1953. 12 L234

49137 HASEBE, K. Intensification of mode of farm management in alpine zones. (In Japanese.) Kanto-Tosan Agr. Expt. Sta. J. 3:92-101. May 1952. 107.6 K83
English summary.

49138 HASHIMOTO, D. Nogyo keiei-gaku [Agricultural management]. Osaka,Fuminsha,1952. 407 p. 281 H27

49139 HAWAII. OFF. OF THE COMMISSIONER OF PUBLIC LANDS. Report for the two years ending June 30, 1952. Honolulu,1952. 87 p. 252.20 P96R

49140 HEGE, H. Was baue ich im frühjahr auf meinen feldern an? Bad. Landwirt. Wchnbl. 120:222-224. Mar.7,1953. 18 B142
Planting program.

49141 HEGHE, A. VAN. L'accroissement de la rentabilité par l'amélioration de l'exploitation bovine. Agriculteur 57(6):5-6,8. Feb.8,1953. 13 B63P
Belgium.

49142 HEREDIA STRATT, R. Sistemas de explotación de un fundo agrícola. Almanaque Agropecuario del Perú 1:389-391. 1953. 9.8 AL6

49143 HEUSER, O. E. Auch notmassnahmen müssen sinnvoll sein! Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:383-384. Mar.5,1953. 18 L2346
Farm field crop program.

49144 HILGENDORF, C. I was impressed with efficiency of management of British farming. Straight Furrow 12(4):32-33. Feb.1953. 281.8 St8

49145 HOUGHTON-BROWN, J. Let's use common sense, produce more food at the right season. (Abridged) Rur. Econ. 21:7-8. Feb.1953. 281.28 R8842
Great Britain.

49146 HURD, A. Another failure in State farming. Country Life [London] 113:488. Feb.20,1953. 80 C83
Queensland-British Food Corporation.

49147 HUTCHINSON, J. Six farmers of Denmark. Farmers Wk. [London] 38(8):62-65,67,69. Feb.20,1953. 10 F2226
Impressions of their farms and farming.

49148 IAKOVLEV, V. Effect of sugar beet culture on the economy of collective farms. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(11):44-49. Nov.1952. 281.8 So73

49149 IDAHO. LAND DEPT. Thirty-first biennial report, 1950-1952. n.p.,1952. 39 p. 252.21 St2

49150 INFIELD, H. F., and FREIER, K. Cooperative farming in Mexico. I. Notes on a tour through the ejidos. Coop. Living 4(2):1-10. Winter 1952/53. 280.28 C7871

49151 JAMBA, N. A. Banker suggests more emphasis on better management for 1953. East. Milk Prod. 30(2): 6,10. Feb.1953. 280.28 Sh3
Farm management.

49152 KALLBRUNNER, H. Bergbauer oder waldbauer? Agr. Rundschau 9:41-44. Winter 1952/53. 280.8 Ag82
Austria.

49153 KRISTJANSON, B. H. Out in the Great Plains. Farm Policy Forum 6(2):14-15. Feb.1953. 281.8 F2274
Future of the small farm.

49154 LARIONOV, A. P. From the achievements of scientific-research institutions in the field of economics and organization of agriculture. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:85-86. Nov.1952. 20 D742

49155 LAWRY, H. B., KNOWLES, F. L., and JOHNSTON, D. Symposium of methods of achieving greater dairy production. Massey Agr. Col. Dairyfarming Annu. 1952:123-125,127-129,131-133,135-137,139-143,145-147. 44.9 M382
Includes discussion.

49156 LETIKUL, K. Upland farming principles. (In Siamese.) Kasikorn 25:379-387. Sept.1952. 22.5 K15
English summary.

49157 LETZ, R. B. Texas prison system. Cattleman 39(10):37-39. Mar.1953. 49 C29
Concerns the modernization of the agricultural program in the Texas Prison System.

49158 LI, C. M. The subsistence farmer in the process of economic development. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:151-162. 1952. 284.29 In82

49159 LITOVCHENKO, G., and ORAGVELIDZE, M. Competition of two collective farms of brotherly republics. (In Russian.) Kolkhoz. Proizvodstvo 12(11):31-35. Nov.1952. 281.8 K83

49160 LOHR, L. Erfolgreiche selbsthilfe im bergbauernbetrieb. Übersicht 4:35-40. Jan.1953. 18 Ub3
Farm management in Germany.

49161 MCELVEEN, J. V. Looking at sizes of farms in the different regions. Agr. Situation [Washington] 37(2): 5-6,10-11. Feb.1953. 1 Ec7Ag

49162 MCGHEE, J., and TURNER, J. Arkansas' most diversified farm. Ark. Agr. 31(3):8-11. Feb.1953. 276.8 Ar42

49163 MANAFOV, I. I., and SHINDIAN, A. G. Decisive improvement of work on the introduction of scientific achievements and leading practices into collective farm production. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:69. Nov.1952. 20 D742

49164 MANARESI, C. Gleanings and observations. (In Italian.) Nuova Agr. Milan. 3(13):1-2. July 1952. 16 C153
Livestock farm management.

49165 MARIS, P. V. Tackling the problem head on. Farm Policy Forum 6(2):17-19. Feb.1953. 281.8 F2274
The small-scale farm.

49166 MAYTON, E. L., and ROY, K. B. Cotton-dairy farming in Alabama's Piedmont. Ala. Agr. Expt. Sta. C. 111,23 p. Dec.1952. 100 AL1S

49167 MELVILLE, A. R. The coffee demonstration farm—Rukera estate. Coffee Bd. Kenya. Mon. B. 18:302-304. (Cont.) Jan.1953. 68.29 C652
Kenya.

49168 MERENDI, A. An advanced farm in Tavoliere di Puglia. (In Italian.) Mondo Agr. 4(5):5. Feb.1,1953. 16 M74

49169 MILLER, H. L. Green acres for greater production. Ohio Milk Prod, 16(3):6-7. Mar.1953. 280.28 Oh33
Grassland farming.

49170 MILLER, L. R., and SITTERLEY, J. H. A study of the commercial beef breeding enterprise on selected farms in southeastern Ohio in 1950. Ohio. State U. Dept. Agr. Econ. & Rur. Sociol. Mimeog. B. 239,26 p. Mar.1953. 281.9 Oh32

49171 MOSKOVICH, I. On liberated land. (In Russian.) Kolkhoz. Proizvodstvo 12(11):42-44. Nov.1952. 281.8 K83
Zhdanov Kolkhoz in Beltsy District, Moldavian SSR.

49172 MUNZINGER. Leistungsmöglichkeiten gutgeführter bäuerlicher familienwirtschaften. Württemb. Wchnbl. f. Landwirt. 120:128-129. Feb.7,1953. 18 W96

49173 NICHOLSON, A. H. Quality pays on 15 acres. Farmer & Stock-Breeder 67(3302):49,51. Feb.3/4,1953. 10 F228

49174 NOTTINGHAM. UNIVERSITY COLLEGE. SCHOOL OF AGRICULTURE. DEPT. OF AGRICULTURAL ECONOMICS. The fattening of cattle on grass. A study of management, costs and returns (interim report). Sutton Bonington,Eng.,1952. 17 p. (Its F.R. 114) 389.7 N82

49175 OBOLENSKII, K. To strengthen the democratic principles of administration of the artel's affairs. (In Russian.) Kolkhoz. Proizvodstvo 12(12):9-10. Dec.1952. 281.8 K83

49176 OKLAHOMA. DEPT. OF COMMISSIONERS OF THE LAND OFF. Biennial report July 1, 1950—June 30, 1952. n.p.,1952. 209 p. 282.9 Ok42

49177 PANKOV, P. MTS—decisive force in collective farm production. (In Russian.) Kolkhoz. Proizvodstvo 12(11):26-30. Nov.1952. 281.8 K83

49178 PARSONS, F. L. Meet declining prices by increased efficiency. West. Livestock Rptr. 13(22):8. Jan. 28,1953. 286.85 W523

49179 PERROW, M. They farm below the sea—in Holland. South. Livestock J. 12(9):17-18. Mar.1953. 43.8 F66A

49180 PEZZI, E. Technical and economic data on the North of Paraná. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2,p.353-370. Firenze,1952. 282.2 R66
Farming types and costs and returns.

49181 POLIAKOV, A. M. Petukhov Machine-Tractor Station in the effort for a high agricultural level. (In Russian.) Sovet. Agron. 10(12):10-15. Dec.1952. 20 So84

49182 PUTNAM, P. L. Applying business principles to fruit growing. East. Fruit Grower 15(12):8-10,12,23-24. Feb.1953. 80 Ea73

49183 RAKOSNIK, J. Annual production plan of a kolkhoz in the U.S.S.R. (In Czech.) Za Socialist. Zemedel. 2:1435-1442. Dec.1952. 19.5 Z1

49184 RECK, F. M. You can get started farming. Farm J. 77(3):74,76. Mar.1953. 6 F2212

49185 REISCH, E. Organisation und wirtschaftserfolg oberschwäb. bauernbetriebe. Ausbild. u. Beratung in der Landwirt. 6:19-20. Jan.1953. 18 N11

49186 REISNER, M. "Hazera's" new farm at Damun. In Hebrew.) Hassadeh 33:179-180. Dec.1952. 26 H27

49187 RIEBE, K. Die vergleichende betriebsstatistik auf maschinenausleihstationen. Deut. Agrartech. 2:270-272. Sept.1952. 58.8 D482

49188 ROBERTSON, L. S. Farming in Colombia. Mich. Farmer 219:296-297,299,326. Mar.21,1953. 6 M58

49189 ROCCHETTI. G., GATTI, V., and CONSOLO, S. Central Sorocaba region. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2, p.259-279. Firenze,1952. 282.2 R66
Rehabilitation of a farm and farming costs.

49190 RUSSELL, B. The small farm's days are numbered. Farm Policy Forum 6(2):16-17. Feb.1953. 281.8 F2274

49191 RUSSINO, G. National award contest among farms for increased productivity. (In Italian.) Piacenza Agr. 8(21):1. Nov.15,1952. 281.8 P57

49192 SAKSENA, H. C. Co-operative farming and land utilisation. Indian Co-op. Rev. 18:256-265. July/Sept.1952. 280.28 In2

49193 SAKURAI, Y. Theories on free system crop-culture. III. (In Japanese.) Nogyo Keizai Kenkyu 24(2): 26-37. Dec.1952. 281.8 N68

49194 SAYRE, C. B. Pointers on profitable pea production. Farm Res. [N. Y. Sta.] 19:13. Jan.1953. 100 N48A

49195 SCHOLZ, P. Uber die drei statuten der landwirtschaftlichen produktionsgenossenschaften. Freie Bauer 7(51):2-5. Dec.21,1952. 18 F88
Collective farming in the Russian Zone of Germany.

49196 SMELTZER, G. G. Balanced farming in the Annapolis Valley. Agr. Inst. Rev. 8:26,28,60. Jan./Feb. 1953. 7 Ag8

49197 SMIRNOV, A., and AKISHEV, S. Growth of public economy on the flax producing collective farms. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(12):42-48. Dec. 1952. 281.8 So73

49198 THE SOVIET peasant. Atlantic 191(3):15-18. Mar.1953. 110 At6

49199 STARTSEV, D. To secure a timely conclusion and exemplary fulfillment of machine-tractor station contracts with collective farms. (In Russian.) Mashinno-Traktornaia Sta. 13:5-7. Jan.1953. 58.8 M11

49200 SUJUDI, R. Brief outline of smallholders' agriculture in Indonesia, especially in East Java. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:750-756. 1952. 284.29 In82

49201 TOMSON, R. First collective farm of Latvia. (In Russian.) Kolkhoz. Proizvodstvo 12(11):40-42. Nov. 1952. 281.8 K83

49202 TREMBLAY, F. T., and WICKSTROM, G. A. Progress report on the Farm Improvement Plan. Pacific Nowest. Fert. Conf. Proc. 3:16-20. 1952. 57.9 P11
Management demonstration.

49203 TSIKOTO, I. A. Achievements of Krasnyi Oktiabr' Collective Farm [in Vozhgaly District, Kirov Region]. (In Russian.) Sovet. Agron. 10(11):9-19. Nov. 1952. 20 So84

49204 U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production practices; labor, power, and materials, by operation. 4. Great Plains. U. S. Bur. Agr. Econ. F. M. 92,220 p. Jan.1953. 1.941 L6F22

49205 UVERUD, H. Report on the management of the Grassland Experiment Farm Apelsvoll 1952. (In Norwegian.) Tidsskr. f. det Norske Landbr. 59:325-333. Nov./Dec.1952. 11 T433

49206 VAN BEUKERING, J. A. Types of farming. Caribbean Econ. Rev. 4:140-163. Dec.1952. 280.8 C192
Surinam.

49207 VARELA MARTINEZ, R. Monocultivo versus policultivo de Colombia. Agr. Trop. 9(2):23-28. Feb. 1953. 26 Ag8

49208 WAGENENGEN. CENTRAAL INSTITUUT VOOR LANDBOUWKUNDIG ONDERZOEK. Lijst van veldproeven, proefnemingen en proef- en voorbeeldbedrijven van rijkslandbouwconsulenten en andere instanties 1952 [List of field tests, experiments and experimental and model farms, of government farm advisers and other institutions 1952]. Netherlands. Landbvoorlichtingsdienst. Meded. 66,99 p. 1952. 12 N383

49209 WETHERELL, H. F. P. Cattle ranching in Nigeria. N.M.B. Journal 1:45-46. Mar.1952. 24 N564

49210 WILCOX, W. W. Pointing up the issue. Farm Policy Forum 6(2):13-14. Feb.1953. 281.8 F2274
The future of the small farm.

49211 WOERMANN, E. Die betriebs- und arbeitswirtschaftlichen probleme der futterwirtschaft. Kuratorium f. Tech. in der Landwirt. Ber. über Landtech. 26: 3-11. 1953. 18 K96
Forage production for different farm types, management, and labor problems in Germany.

49212 YAJIMA, T. Types of farms and their capacities of maintaining farm population. (In Japanese.) Nogyo Keizai Kenkyu 24(2):14-25. Dec.1952. 281.8 N68

49213 YOHE, R. S. Farming in Denmark. Mont. Farmer-Stockman 40(11):8,32. Feb.1,1953. 6 M764

49214 YOHE, R. S. Let's visit a Danish farm. Nebr. Farmer 95(4):28,65. Feb.21,1953. 6 N27

49215 YOHE, R. S. Sweden's co-op farms. 9. Farmer [St. Paul] Gen. Ed. 71(5):51-53,63. Mar.7,1953. 6 F2211

49216 YOSHIDA, T. Character of farm management in a mountain village. (In Japanese.) Kyushu Noji Shikenjo 10:113-114. Sept.1952. 107.6 K996

49217 ZINOCHKIN, A., and TIKHOMIROV, M. On working out five-year plans for the development of machine-tractor stations. (In Russian.) Sotsialist. Sel'sk. Khoz. 23(12):35-41. Dec.1952. 281.8 So73

Bookkeeping and Records

49218 BEMELMANS, J. Farm and pasture accounting. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 27:1023-1032,1125-1134. (Cont.) Nov.-Dec. 1952. 68.29 Sa63

49219 BRICKBAUER, E. Farm records are important. Dairyland Digest, Feb.1953:3. 44.8 B41

49220 CHRISTENSEN, H. G. Obligatory bookkeeping. (In Danish.) Dansk Landbr. 72:76. Feb.5,1953. 280.28 V91

49221 DARAGAN, A. Method of setting up a system of records and bookkeeping on a collective farm. (In Russian.) Kolkhoz. Proizvodstvo 13:52-54. Jan.1953. 281.8 K83

49222 EVTROPOV, G. I. Zootechnical bookkeeping on the [livestock] breeding farm of Gigant Kolkhoz. (In Russian.) Sotsialist. Zhivotnovod. 14(11):67-71. Nov.1952. 49 So71

49223 GRUNNET, V. Obligatory bookkeeping. (In Danish.) Dansk Landbr. 72:56-57. Jan.29,1953. 280.28 V91

49224 KOCH. Wozu eine landwirtschaftliche betriebskarte? Salzburger Bauer 8(3):3,6. Jan.15,1953. 19 Sa3

49225 MOVENKO, V., and TSIPKO, E. Accounting of a tractor brigade. (In Russian.) Khlopkovodstvo 11:12-20. Nov.1952. 72.8 K522

49226 NARAYAN, D. Maintenance of farm records. Indian Dairyman 5:5-6. Jan.1953. 44.8 In282

49227 OVCHINNIKOV, A. Compiling the annual accounts of collective farms. (In Russian.) Kolkhoz. Proizvodstvo 12(11):59. Nov.1952. 281.8 K83

49228 REUTT, G. Les documents à tenir à la ferme. Rev. Agr. de l'Afrique du Nord 51:16. Jan.2,1953. 80 R326

Costs and Returns

49229 ARNOLD, P. T. D. The effect of cow depreciation on the cost of producing milk. Guernsey Breeders' J. [Peterborough] 87:280-281. Feb.1,1953. 43.8 G93

49230 BAPTIST, A. G., and WATERSCHOOT, H. Investigation about the profitability of farming. I. (In Dutch.) Gent. Landbhogesch. Meded. 17:406-478. Ref. Sept.1952. 105.1 G344
English summary.

49231 BARTLETT, R. W., and GOTHARD, F. T. Measuring efficiency of milk plant operation. Ill. Agr. Expt. Sta. B. 560,56 p. Ref. Nov.1952. 100 IL6S
Costs.

49232 BELL, R. D. An economic study of farms operated by Negro farmers in Claiborne County, Mississippi. Miss. Agr. Expt. Sta. M. R. 10,53 p. Oct.1952. 100 M69Mr

49233 BENTHIEN, A. Does grassland improvement pay? Nowest. Farm News 36(3):2. Feb.9,1953. 275.293 N81
Costs and returns from fertilizing and irrigation.

49234 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry egg cost study; 1952 report, San Diego County, by R. H. Adolph and A. D. Reed. Berkeley?1953. 7 p. 275.29 C12En

49235 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Reducing cost of raising dairy heifer replacements, by L. P. Sharp. Riverside,1952. 14 p. 275.2 C12Red

49236 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. San Luis Obispo County poultry management study, 1952, by D. C. Ambrose and A. Shultis. Berkeley?1953? 5 p. 275.29 C12En
Costs and returns.

49237 CARPENTER, E. M. Farm management survey report 1951-52 (northern counties). King's Col. Farm Econ. Br. Rpt. FMS 35,22 p. Feb.1953. 281.9 K61R
Costs and returns.

49238 CASTRO, C. M. O. Plan for raising a thousand layers. (In Portuguese.) Granja [Porto Alegre] 9(67): 52. Oct.1952. 9.2 G76
Costs and returns in producing New Hampshire hens.

49239 CROCKETT, S. P., and ARNOLD, B. L. Winter grazing tests, 1951-52. Miss. Agr. Expt. Sta. C. 175,15 p. Nov.1952. 100 M69
Costs and returns.

49240 DOEHLERT, C. A. Making the pruning job fit today's needs. N. J. Agr. Expt. Sta. Cranberry-Blueberry Res. Lab. Annu. Blueberry Open House 21:2-4. Dec.5, 1952. 94.35 N46A
Chiefly blueberry pruning costs.

49241 FORENINGEN AF JYDSKE LANDBOFORENINGERS REGNSKABSUDVALG. Landbrugsregnskaber fra Jydske regnskabskredse 1951-52 [Farm accounts from accounting districts in Jutland 1951-52]. Aarhus,1952. 204 p. 11 F76
Costs and returns.

49242 FRANKENA, H. J. Production increase and lowering of cost price in cattle keeping. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:40-41. Jan.21, 1953. 44.9 AL3
Milk production.

49243 HEUSER, O. E. Die kosten im landwirtschaftlichen betrieb. Ber. über Landwirt. (n.s.)30:405-422. 1952. 18 G31
Germany.

49244 HOUTER, P. Research on feed costs in the raising of calves. (In Dutch.) Landbode 7(5):11. Jan. 29,1953. 12 L234
Netherlands.

49245 KLEIN, W. Was kostet heute die erzeugung eines trinkeies? Deut. Wirtgeflügelzucht. 5:263-264. Feb.14,1953. 47.8 D483

49246 MAASH. Ziegen wirtschaftlich betrachtet. Thür. Kleintierzüchter 7:29. Jan.30,1953. 49 T42
Cost and returns.

49247 MURPHY, B. C., and MOORE, E. L. Irrigation returns $153 per acre in sweet corn study. Miss. Farm Res. [Miss. Sta] 16(2):1,8. Feb.1953. 100 M69Mi

49248 NOTTINGHAM. UNIVERSITY COLLEGE. SCHOOL OF AGRICULTURE. DEPT. OF AGRICULTURAL ECONOMICS. A study of wheat production in the Boston area of Lindsey. Loughborough,Eng.,1952. 11 p. (Its F.R. 115) 59.26 N82
Costs and returns.

49249 RANCK, E. W. Costo de labores en la producción de maiz en El Salvador. Cent. Nac. de Agron. B. Téc. 12,27 p. July 1952. 8 Sa54B

49250 SAVAGE, Z. Twenty years of citrus costs and returns in Florida, 1931-1951. Fla. Agr. Expt. Sta. AE Ser. 53-4,26 p. Feb.1953. 281.9 F663

49251 TEMPERTON, H. Economics of egg production; reducing feed costs. Farmers' J. (n.s.)4(4):12,34. (Cont.) Feb.1953. 10 F2234

49252 THORFINNSON, T. S., and HECHT, A. Which pays better—to irrigate or to buy more land? Agr. Situation [Washington] 37(2):7-8. Feb.1953. 1 Ec7Ag

49253 TRAMEL, T. E., and PARVIN, D. W. Study shows importance of keeping feed cost down for profit in beef cattle. Miss. Farm Res. [Miss. Sta.] 16(2):1,7-8. Feb.1953. 100 M69Mi

49254 WALTON, L., DREESEN, L. J., and HILL, J. E. Broiler and turkey production at Black Belt Branch Experiment Station. Miss. Agr. Expt. Sta. Inform. Sheet 471,2 p. May 1952. 100 M69In
Includes expenditures and receipts.

49255 WILCOX, R. H. Graphic supplement to the detailed cost report for central Illinois 1951. Ill. Agr. Col. Ext. AE2917,8 p. Dec.1952. 275.29 IL62P

49256 WOERMANN. Produktionskosten der westdeutschen landwirtschaft. Agrarwirtschaft 2:41-42. Feb. 1953. 281.8 Ag826

49257 ZAKATISTOV, M. Potentialities of lowering the cost of livestock products on state farms. (In Russian.) Mîasnaîa Indus. SSSR. 24:60-62. Jan./Feb.1953. 50.8 M58
Weight of swine chiefly.

Land Settlement and Colonization

49258 BEIN, A. The return to the soil; a history of Jewish settlement in Israel. Jerusalem,Youth and Hechalutz Dept. of the Zionist Organ.,1952. 576 p. 282.2 B39Re

49259 BLAKE, R. W. Land development in South Australia. Overseas Rpt. Agr. Devlpmt. 8,7 p. Mar. 1953. 281.9 C1642O
Land settlement and soil improvement.

49260 CASTELLANI, E., GATTI, L., and PETRIN, C. Western pioneer zone (State of Paraná). (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2,p.321-352. Firenze,1952. 282.2 R66
Farming conditions and costs and a settlement program.

49261 CONFORTI, E. Colonization in the State of Bahia. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.1,p.1-191. Firenze,1952. 282.2 R66

49262 DERKINDEREN, G. La colonisation au Congo Belge. Gent. Foire Internatl. Annu. Colon. 2:65-69,71-77. 1952. 280.9 G34

49263 GAREAU, L. L'établissement rural en Alberta. Terre de Chez Nous 24(52):10,23. Feb.18,1953. 7 T27
Canada.

49264 GOBBATO, C. Old Italian settlement zone of Rio Grande do Sul. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v. 2,p.141-181. Firenze,1952. 282.2 R66

49265 KRATZER, J. Ist das gesetz zur beschaffung von siedlungsland und zur bodenreform bundes- oder landesrecht? Recht der Landwirt. 5:32-33. Feb.1953. 30.58 R24
Germany.

49266 KRUMM. Die neubauernsiedlung in weingarten bei Karlsruhe. Bauern-Ztg. 6(4):4. (Concl.) Jan.30, 1953. 18 B324

49267 LUSCOMBE, T. R. War service land settlement. Rur. Life, Dec.1952:7,16. 281.28 R884
Australia.

49268 ROCCHETTI, G., COSOLO, S., and PEZZI, E. Mogi region. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2,p.203-228. Firenze,1952. 282.2 R66
Rehabilitation of coffee plantations and possibilities of settlement.

49269 ROCCHETTI, G. Observations on agricultural settlement in Paraná. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2, p.309-319. Firenze,1952. 282.2 R66

49270 ROCCHETTI, G. Observations on agricultural settlement in São Paulo. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2, p.195-201. Firenze,1952. 282.2 R66

49271 ROCCHETTI, G. Upper Sorocaba region. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2,p.281-306. Firenze,1952. 282.2 R66
Farming and settlement possibilities.

49272 ROME. ISTITUTO NAZIONALE DI CREDITO PER IL LAVORO ITALIANO ALL'ESTERO. Emigrazione e colonizzazione agricola in Brasile; relazioni e progetti della Missione Italiana di Assistenza Tecnica [Emigration and agricultural settlement in Brazil; reports and projects of the Italian Technical Assistance Mission]. Firenze,Stabilimenti Tipolitografici Vallecchi,1952. 2 v. 282.2 R66

49273 SARANAGA, C. Colonization, land hire-purchase, and land improvement cooperatives in Thailand. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:360-363. 1952. 284.29 In82

49274 STIFEL, W. Wir wollen kein "verlorener haufen" sein! Bauern-Ztg. 6(4):1-2. Jan.30,1953. 18 B324
Settlement of displaced persons in Germany.

49275 TRIGONA, G., ROCCHETTI, G., and GATTI, L. Rio Grande do Sul in regard to Italian agricultural emigration. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e Colonizzazione agricola in Brasile, v.2,p.3-140. Firenze,1952. 282.2 R66

49276 VOSSSCHMIDT, T. Die siedlungstätigkeit in der Bundesrepublik. Wirtschaftsdienst 33:26-33. Jan.1953. 280.8 W74
English summary.

49277 WEITZ, J. Revival of Israel's hill country. Israel & Middle East 4:89-92. Dec.1952. 286.8 P172
Settlement and reclamation.

Land Tenure

49278 AIKO, K. Rise of land proprietorhip in Manchuria. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):119-152. Oct.1952. 22.5 N687

49279 ALVAREZ MERINO, M. En pro de la concentración parcelaria. Agr. Burgalés 20(218):5-7. Feb.1953. 15 Ag86

49280 ANDALO, G. Accounts of the small peasant property. (In Italian.) Rass. dell'Agr. Ital. 7(12):14-15. Dec.1952. 281.8 R18
Land reform.

49281 ARENDSEN. The lease question. II. (In Dutch.) Gelders Landbbl. 16(5):2. Jan.29,1953. 12 G282

49282 BLISS, R. K. The family sized farm. Iowa Soil Dist. & Watersheds B. 1(4):20-21. Feb.1953. 290.8 Io9

49283 BOLLA, G. Communal family property in mountain areas. (In Italian.) Monti e Boschi 3:522-525. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

49284 BRAUNEIS, L. Bodenbesitzverteilung 1787 in Niederösterreich (Viertel unter dem Wienerwald). Agr. Rundschau 9:30-31 Winter 1952/53. 280.8 Ag82

49285 BUTTNER, W. Das pachtwesen in der landwirtschaft. Ubersicht 4:5-13. Jan.1953. 18 Ub3
Germany.

49286 CAMPBELL, B. Moving day—a month away. Iowa Agr. 51(5):6-7,14-16. Jan.1953. 6 Io9
Farm leases.

49287 CAPEK, A. The struggle for agrarian reform in the Philippines. Interagra 6:339-373. 1952. 28 In825

49288 CASE, H. C. M., and CUNNINGHAM, J. B. Farm leasing practices in southern Illinois. Ill. Agr. Col. Ext. AE2898,29 p. Sept.1952. 275.29 IL62P

49289 CASE, H. C. M., and CUNNINGHAM, J. B. Farm leasing practices in the transition area between central and southern Illinois. Ill. Agr. Col. Ext. AE2896, 24 p. Sept.1952. 275.29 IL62P

49290 CERCLER, R. Sachons sauvegarder nos patrimoines. Agr. Prat. 117:28. Jan.1953. 14 J82
French legislation on rural leases.

49291 CESARI, M. Land reform and rural housing in the Senate. (In Italian.) Rass. dell'Agr. Ital. 7(11):15-16. Nov.1952. 281.8 R18

49292 COUNTRY LANDOWNERS' ASSOCIATION. An enquiry into agricultural rents and the expenses of landowners in England and Wales 1950 and 1951. London, 1953. 35 p. 282.9 C33R
Tables with commentary by C. V. Dawe.

49293 DARI, E. M. A question of not underestimating. (In Italian.) Rass. dell'Agr. Ital. 7(11):21-24. Nov.1952. 281.8 R18
Leasing regulations.

49294 DIETZ. "Bodenreform" mit umgekehrten vorzeichen: eine lebensfrage: arbeiter oder bauer? Bauern-Ztg. 6(6):4. Feb.13,1953. 18 B324
Germany.

49295 DORIGUZZI, G. Property of communes and other societies. (In Italian.) Monti e Boschi 3:526-532. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

49296 EGYPT'S new land reform program—a résumé of the law. Foreign Agr. 17:53-54. Mar.1953. 1.9 Ec7For

49297 EHRENFORTH. Zur soforthilfevergünstigung bei veräusserung oder verpachtung von landwirtschaftlichen betrieben an flüchtlinge. Recht der Landwirt. 5: 1-2. Jan.1953. 30.58 R24

49298 ELLIS, H., and BARLOWE, R. The county-operated abstracting system in Michigan. Mich. Agr. Expt. Sta. Q. B. 35:299-309. Feb.1953. 100 M58S
Abstracts of title to real estate.

49299 FRAMPTON, A. DE K. Land tenure in relation to the British West Indies. Caribbean Econ. Rev. 4:113-139. Ref. Dec.1952. 280.8 C192

49300 FRANCISCO, D. L. Our land set-up in the Philippines. Agr. & Indus. Life 15:2-3. Jan.1953. 25 Ag8
Land ownership and the land tenancy problem.

49301 FRITZEN, A. Enteignung und entschädigungsmassstab. Recht der Landwirt. 5:5-7. Jan.1953. 30.58 R24
Germany.

49302 GANSCHEZIAN-FINCK. Die aufgaben der verwaltungsbehörden bei der kündigung von kleingärten. Recht der Landwirt. 5:34-36. Ref. Feb.1953. 30.58 R24

49303 GINDERS, E. M. The Danish economy; how land tenure and taxation have been reformed. Rur. Econ. 21:5,4. Feb.1953. 281.28 R8842

49304 GOSSELIN, A. Farm ownership in Quebec. Econ. Annal. 23:11-14. Feb.1953. 281.8 Ec72

49305 GRASSI, U. Notes on the agrarian reform in Egypt. (In Italian.) Riv. di Agr. Subtrop. e Trop. 46:326-328. Oct./Dec.1952. 26 Ag82
English summary.

49306 HARRIS, F. S. Land ownership in Iran. Foreign Agr. 17:32-35. Feb.1953. 1.9 Ec7For

49307 HEADY, E. O. Fundamentals of resource ownership policy. Land Econ. 29:44-56. Feb.1953. 282.8 J82

49308 HEADY, E. O., and KEHRBERG, E. W. Is your lease up to date? Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:130-132. Feb.1953. 275.28 Io94

49309 HENDERSON, P. A. Is your farm lease a good one? Nebr. Farmer 95(4):64,76. Feb.21,1953. 6 N27

49310 HOOGMOED, G. S. VAN. Special leasing arrangements in Twente. (In Dutch.) Pacht 13:3-7. Jan.1953. 282.8 P11

49311 HOUILLIER, F. La structure de l'exploitation agricole en Belgique. Agr. Prat. 117:15-18. Jan.1953. 14 J82
Size distribution of farms.

49312 JANDOLO, E. The Fund for peasant property. (In Italian.) Mondo Agr. 4(5):1,6. Feb.1,1953. 16 M74
Italian land reform program.

49313 JOHNSON, V. W. Financing land redistribution. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:67-75. 1952. 284.29 In82
Includes discussion.

49314 KUPPER, F. P. Massnahmen vor und nach der flurbereinigung. Deut. Landwirt.-Gesell. Mitt. 68:261-264. Mar.12,1953. 18 N39

49315 LANGE, R. Die gesetzlichen abfindungsansprüche der miterben und der lastenausgleich. Recht der Landwirt. 5:29-32. Feb.1953. 30.58 R24
Germany.

49316 LIESENBORGHS. Der bauer und die schafweide. Bauern-Ztg. 6(8):4,10. (Concl.) Feb.27,1953. 18 B324
Leasing in Germany.

49317 MEDICI, G. Land property and land tenure in Italy. Bologna,Istituto Nazionale di Economia Agraria, 1952. 246 p. 282.176 M46Lae

49318 NISHIYAMA, B. Reflection on economic consequences of the land reform. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):17-38. Oct.1952. 22.5 N687
Japan.

49319 OLLINGER, H. Die innere verkehrslage der landwirtschaftlichen betriebe—ein wichtiger produktionsfaktor. Kärntner Bauer 103:99-100. Mar.15,1953. 19 K14
Separation of land parcels.

49320 ONG, S. Economic status of the Chinese peasants after agrarian reform. Land Econ. 29:35-43. Feb.1953. 282.8 J82

49321 PACYNA, G. Bauer ohne land. Ubersicht 3 (12):3-7. Dec.1952. 18 Ub3
Germany.

49322 PARRI, E., and ANDALO, G. Polemic on agricultural contracts. (In Italian.) Mondo Agr. 4(4):4-5. Jan.25,1953. 16 M74
Italy.

49323 PARTRIDGE, M. In Tanganyika—Africans robbed of their lands by colonialists. Trade Unions Internatl. Agr. & Forestry Workers. Inform. B. 3(11/12): 29-32. Nov./Dec.1952. 283.9 T67

49324 PASSMORE, M. A tenant's view of the landlord's problems. Roy. Inst. Chartered Surveyors. J. 32: 572-577. Feb.1953. 282.9 C38J

49325 PASSMORE, M. A tenant's view of the landlord's problems. Roy. Inst. Chartered Surveyors. J. 32: 644-652. Mar.1953. 282.9 C38J
Discussion on the paper which was published in a previous issue of the Journal.

49326 PENABAD FRAGA, M. Ninguna finca que sea explotada en forma eficaz debe ser afectada por la ley de reforma agraria. Rev. Ganad. [Habana] 13(2):15-16. Feb.1953. 49 R321

49327 POKHILEVICH, D. L. Land tenure and cadastral survey in Belorussia, Latvia and Ukraine in 16-17th centuries. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:322-410. Ref. 1952. 281.179 Ak12

49328 POTAPOV, KH. E. Consolidation of collective farms and growth of their public wealth on the basis of agriculture. (In Russian.) Sovet. Agron. 10(12):3-9. Dec.1952. 20 So84

49329 RILOVA GARCIA, F. La concentración parcelaria. Agr. Burgalés 20(218):1-3. Feb.1953. 15 Ag86

49330 SAMKALDEN, I. Written confirmation of oral changes in agreements. (In Dutch.) Pacht 13:2-3. Jan.1953. 282.8 P11
Netherlands.

49331 SARSONS, A. R. Notes on the settlement and resettlement of land. Land Agents' Soc. J. 52:98-101. Mar.1953. 282.9 L22
Inheritance in Great Britain.

49332 SCHMIDT. Bodenreform und siedlung. Landwirt. Z. der Nord-Rheinprov. 120:101. Jan.24,1953. 18 L2344

49333 SEEHUSEN. Die behandlung der pachtverhältnisse in der bodenreform. Recht der Landwirt. 5:2-5. Jan.1953. 30.58 R24
Germany.

49334 SERPIERI, A. Share-farming truce and livestock accounting. (In Italian.) Mondo Agr. 4(2):3. Jan.11,1953. 16 M74
Italy.

49335 TAKAHASHI, I. Recent changes in farm tenure in the United States. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):243-254. Oct.1952. 22.5 N687

49336 TESMER. Das bundesjagdgesetz und die ländergesetzgebung. Recht der Landwirt. 5:63-64. Mar. 1953. 30.58 R24
Germany.

49337 TORIZUKA, K. Development of land holding system and farm management in the yedo era—a study of the case of a village in Kanto District. (In Japanese.) Nogyo Keizai Kenkyu 24(2):38-64. Dec.1952. 281.8 N68

49338 TOWNSEND, T. L. Farm leases, usual and unusual. Country Guide 72(3):9,48-49. Mar.1953. 7 G76
Canada.

49339 TRETYAKOV, T. According to the Stalin Code. (In Russian.) Kolkhoz. Proizvodstvo 12(11):21-25. Nov., 1952. 281.8 K83
Consolidation of collective farms.

49340 VEDRENNE-LACOMBE, M. Etude complémentaire sur les modifications nécessaires apportées en cours de bail au cheptel vif confié au colon partiaire. Rev. de Lég. Agr. 6:10-12. Jan./Feb.1953. 281.8 R325
France.

49341 VILLEGAS RODAS, M. Razones, fundamento y aspiración de la reforma agraria. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser.4)1:3-5,21. Oct.1952. 8 G934
Guatemala.

49342 WALMSLEY, R. C. The landowner's part in farming efficiency. Roy. Inst. Chartered Surveyors. J. 32:569-572. Feb.1953. 282.9 C38J

49343 WOHRMANN. Die höfeordnung in Nordrhein-Westfalen. Recht der Landwirt. 5:7-8. Jan.1953. 30.58 R24

49344 ZAGOROFF, S. D. Rise and decline of peasant freedom in the Danubian countries. Weltwirt. Arch. 69: 274-310. 1952. 286.8 W462
Land reforms.

Land Utilization

49345 ABERCROMBIE, SIR P. Who is to plan the countryside? Field Annu. 1953:104-106. 10 F45A

49346 AZEVEDO, A. S. D'. Data on Ilha das Flores. II. Suggestions for the study and utilization of uncultivated lands. (In Portuguese.) Granja [Lisboa] 12:17-26. Jan./Mar.1953. 15.5 G76

49347 BOYD, D. A., and ELLISON, W. Possibilities of marginal land reclamation. Some results of a survey in England and Wales. Roy. Agr. Soc. Eng. J. 113:26-43. 1952. 10 R81

49348 BUSHER, H. Britain's idle acres 39,000 acres of common land wasted in Glamorgan. Dairy Farmer [Ipswich] 26(3):17. Mar.1953. 44.8 D1414
Utilization and reclamation.

49349 CROSS, J. Amending the Town & Country Planning Act, 1947. Agr. Merchant 33:21-22. Jan.1953. 10 Ag89

49350 FLORENSA, M. Cosas utiles del cercado ajeno. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 55:19-20. Dec.1952. 15 Sa7
Land utilization.

49351 HAAN, J. H. DE. The FAO regional meeting on land utilisation in tropical areas of Asia and the Far East (17-29 September 1951). Sols Africains 2:245, 247,249,251,253,255,257. July 1952. 56.8 So4

49352 LEBEAU, R. Le régime de l'exploitation du sol dans le Jura Français. Rev. de Géog. de Lyon 27: 359-366. 1952. 473 Et8

49353 MCKAIN, W. C. Effect of decentralization on land use in Connecticut. (Sum.) Conn. Woodlands 18:16. Jan.1953. 99.8 C76

49354 MANZINO, G. Guida alla pratica catastale [Guide to cadastral practice]. Quaderni di Est. Agr. e Genio Rur. 26,101 p. 1952. 282.8 Q2
Italy.

49355 MOSTYN, E. H. The position as to the breaking up of permanent pasture. Land Agents' Soc. J. 52: 57-61. Feb.1953. 282.9 L22
Great Britain.

49356 RHYS, J. P. Town and country planning; new financial proposals. Real Estate J. (n.s.)3:228-230. Feb.1953. 282.8 R22
Great Britain.

49357 RUSSELL, E. W. Research for plenty. 4. The desert and the sown. Gt. Brit. Min. Agr. Agriculture 69: 503-507. Feb.1953. 10 G79J
Utilizing desert land areas with irrigation and areas with the problem of extreme soil poverty.

Land Values and Valuation

49358 BERWICK, A. J. Appraisal as a science. Livestock Wk. 7(13):20,130,132-134,138,140-143. Jan.29, 1953. 49 L753

49359 HURTT, L. C. "A home for a cow"—what is it worth? West. Livestock J. 31(5):58,180-182,187. Jan. 1953. 6 F2278
Cattle ranch values.

49360 MURRAY, W. G. Appraisal of farms for loans and other purposes. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:404-411. 1952. 284.29 In82

49361 MURRAY, W. G. Land values slightly lower in '52. Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:135-136. Feb.1953. 275.28 Io94

49362 PRICE, O. T. W. Agricultural property. Farm Econ. 7:133-138. 1952. 281.8 F223
Land values in Great Britain.

49363 TOSTLEBE, A. S. Estimated value of farm real estate 1870-1950 in 1910-14 prices. Agr. Finance Rev. 15:1-13. Nov.1952. 1.9 Ec78Af

49364 TRUSSELL, E. W. Methods of appraising farm land and real estate. Miss. Banker 37(10):12,24,26,28. Mar.1953. 284.8 M69

POPULATION

49365 ALBERTYN, J. R. Soil erosion and human erosion. (In Afrikaans.) Landbouweekblad 34(1747):17. Jan.7,1953. 24 L232
South Africa.

49366 BLOMEYER, A. Probleme um die landflucht. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:427-428. Mar.12,1953. 18 L2346

49367 GROENMAN, S. L'asséchement du Zuiderzée et le problème de la population aux Pays-Bas. Population 7:661-674. Oct./Dec.1952. 280.8 P812
Includes land settlement aspects.

49368 IMBIEL. Bekämpfung der landflucht erfordert erhebliche mittel. Landwirt. Wchnbl. 143:314. Mar.14, 1953. 18 L2338
Germany.

49369 JEHLIK, P. J., and WAKELEY, R. E. What's happening to our people? Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:137-140. Feb.1953. 275.28 Io94
Population changes in Iowa.

49370 NORWAY. STATISTISK SENTRALBYRÅ. Folkemengdens bevegelse, 1950, og sammendragstabeller 1946-50. Mouvement de la population pendant l'année 1950 et résumé des tableaux pour la période quinquennale 1946-50. Oslo,1952. 102 p. 257.2 St2FoL
Table of contents and tables also in French.

49371 PEDERSEN, H. A. Population prospects for the Delta. Miss. Agr. Expt. Sta. Inform. Sheet 470,2 p. Apr.1952. 100 M69In

49372 PENNOCK, J. Population facts and health studies. Washington,U. S. Ext. Serv.,1952. 17 p. 1.913 A2P812
From papers presented at Conference of Extension Health Education Specialists, Denver, March 1952.

49373 PLANAS MARTI, F. El abandono del campo. Cám. Ofic. Sind. Agr. de Barcelona. B. 7:265. Nov.1952. 15 C14
Spain.

49374 ROSELLO, A. A. Inmigración, industrialización técnica y cultivos. Tierra Libre 16(12):18. Dec. 1952. 8 T443
Cuba.

49375 SWITZERLAND. EIDGENÖSSISCHES STATISTISCHES AMT. Eidgenössische volkszählung 1. Dezember 1950. Band 19. Kanton Uri. Bern,1952. 102 p. 262 St2Q
Includes farm population.

49376 THOMPSON, L. A. Changes in the characteristics of Virginia's population between 1940 and 1950. Va. U. News Let. 29(11):1. Mar.1,1953. 280.9 V815

49377 TOUSSAINT, A. L'Association Nationale des Migrations Rurales et son avenir. Acad. d'Agr. de France. Compt. Rend. 39:39-46. Jan.7,1953. 14 P215Bc
Includes discussion.

49378 WHITE, H. R., SIEGEL, J. S., and ROSEN, B. M. Short cuts in computing ratio projections of population. Agr. Econ. Res. 5:5-11. Jan.1953. 1 Ec7Agr

RURAL SOCIAL ORGANIZATION

49379 CARACAS. CONSEJO DE BIENESTAR RURAL. Informe anual 1951-1952. Caracas,1952. 21 p. 281.29 C765

49380 INTER-AMERICAN STATISTICAL INSTITUTE. Utilización de los resultados del censo de las Américas en el servicio social. Estadística 10:739-751. Dec. 1952. 251.8 Es8
English summary.
Includes data on agricultural population.

49381 MCCLELLAND, B. E. Changes in Montana rural living. Mont. State Col. Ext. B. 274:19-22. June 1952. 275.29 M76C

49382 MOMBAERS, J. La classe rurale, noyau d'une société chretienne saine. Agriculteur 57(5):5-6. Ref. Feb.1,1953. 13 B63P
Belgium.

49383 MONOGHAN, F. Nation must develop its country life. Rur. Life, Dec.1952:8-9. 281.28 R884
Australia.

49384 NICHOLDS, E. Thunder Hill. Garden City, N. Y.,Doubleday,1953. 248 p. 30.4 N51

49385 OERTZEN-HARDENBERG, M. VON. Eine deutsche farmersfrau berichtet; zwanzig jahre in der einst deutschen kolonie Südwestafrika. Übersicht 3(12): 23-27. Dec.1952. 18 Ub3

49386 YOUNG, J. N. An American's impressions of rural life in New Zealand. Massey Agr. Col. Dairy-farming Annu. 1952:61-65,67,69-70. 44.9 M382

Human Ecology

49387 BAILEY, W. C. Cotton Center, Texas, and the late agricultural settlement of the Texas Panhandle and New Mexico. Tex. J. Sci. 4:482-486. Dec.30,1952. 470 T31
Farming communities.

49388 FOLSE, C. L. Trends in Illinois communities. Ill. Agr. Col. Ext. AE2867,14 p. Mar.1952. 275.29 IL62P

49389 KALLBRUNNER, H. Santa Margherita, ein neuer weg glücklicher zusammenarbeit von landwirtschaft und industrie. Übersicht 3(12):59-64. Dec.1952. 18 Ub3
An Italian community development.

49390 SCHUBAD, J. W. The section plan. (In Dutch.) Groenten en Fruit 8:507. Jan.15,1953. 80 G89
Netherlands.

Institutions

49391 ALTGAYER, M. Über eine halbe million besucher bei der Grünen Woche. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:248. Feb.12,1953. 18 L2346

49392 ANDERSON, A. R. Morgan County [Indiana] program. Town & Country Church 87:3-4. Mar.1953. 281.28 T66

49393 ANGELL, G. N. Wanted: country doctors and nurses. Oreg. Farmer 76:128,164. Feb.19,1953. 6 Or32

49394 AUBERT. Le rôle de l'enseignement ménager agricole en matière de vulgarisation pour l'emploi de machines par les agricultrices. France. Min. de l'Agr. Rev. Etudes & Monog. 80:281-283. Mar.1953. 281.8 F84

49395 BADELL, C. E. Pronto cumplira 59 años de existencia la Escuela Agrícola Salesiana de Uribelarrea. Mundo Agr. 5(44):86-90. Jan.1953. 9 M92

49396 BAKER, A. F. Agriculture at Ibadan University. N.M.B. Journal 1:24-28. Mar.1952. 24 N564

49397 BARONENKOV, Ю. Sel'skiĭ lektoriĭ [A village lecture hall]. Moskva,Goskul'tprosvetizdat,1952. 54 p. (Bibliotechka Sel'skogo Klubnogo Rabotnika 11) 20 B475
Education of collective farmers.

49398 BAUER, J. Der wahlkampf strebt seinem ende zu. Burgenländische Bauernbündler 6(3):1-2. Feb.10, 1953. 19 B91

49399 BAUTZ, E. Zur nachwuchskrise der lehrerschaft; eine schule ist so gut wie der lehrer, der in ihr unterrichtet. Hannoversche Land- u. Forstwirt. Ztg. 106:82,84. Jan.24,1953. 18 H194

49400 BECHARA, M. Rural youth. (In Portuguese.) Colheit. e Mercados 8(9/12):13-18. Sept./Dec.1952. 255.3 Sa652

49401 BECKER, E. L. The rural church and evangelism. Town & Country Church 87:1-2. Mar.1953. 281.28 T66

49402 BENEDICT, M. R. Comments on extension work in the United States. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:564-566. 1952. 284.29 In82

49403 BILL, J. H. Das beratungswesen in Hessen-Nassau. Ausbild. u. Beratung in der Landwirt. 6:26,28-29. Feb.1953. 18 N11

49404 BURCHENKOV, V. G. To improve the teaching at the three-year agrozootechnical courses. (In Russian.) Sovet. Agron. 11:74-75. Jan.1953. 20 So84

49405 BYRAM, H. M. Double dividends—development of future teachers and supervision of Future Farmers at the national convention. Agr. Educ. Mag. 25:198, 214. Mar.1953. 275.8 Ag8

49406 CARDOZIER, V. R. In-service education of teachers in Louisiana. Agr. Educ. Mag. 25:200,202. Mar.1953. 275.8 Ag8

49407 CASSIDY, L. Early history of the State fair. Ky. Agr. B. 8(9):3,5. Sept.1952. 280.38 K41

49408 COLLINGS, M. L. Signposts in agricultural extension education. Washington,U. S. Ext. Serv.,1953. 7 p. 1.913 S2C69
Talk at State Home Demonstration Leaders' Workshop, Stillwater, Jan. 28, 1952.

49409 COLLINGS, M. L. What's ahead in Extension training? Ext. Serv. Rev. 24:11. Jan.1953. 1 Ex892Ex

49410 COUNTRY auction. Farm Q. 8:82-83,117-122. Spring 1953. 6 F22995

49411 DALMASSO, G. Danish farmers at the University? (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.) 99:8-9. Jan.1953. 16 C72

49412 DELILLE. Bedeutung und aufgabe der landwirtschaftlichen berufsschule. Deut. Landwirt.-Gesell. Mitt. 68:121-122. Feb.5,1953. 18 N39

49413 DIERCKS, J. Warum berufswettkampf? Deut. Landwirt.-Gesell. Mitt. 68:203-204. Feb.26,1953. 18 N39

49414 EAMES, H. F. Trained for the future. Pa. Farmer 148:230-231,266. Mar.14,1953. 6 P383
Vocational agriculture students.

49415 EMERSON, J. P. Survey of radios and movie projectors in rural areas of Taiwan. Chin.-Amer. Econ. Coop. 1(7):46-52. July 1952. 173.2 M98C

49416 L'EXPOSITION de l'agriculture française, Porte de Versailles—6 au 15 mars 1953, Paris-XVe. France. Min. de l'Agr. Rev. 80(3,sup.),21 p. Mar.1953. 281.8 F84

49417 EXTENSION of information in rural communities. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:558-566. 1952. 284.29 In82
Panel discussion; M. R. Benedict, chairman.

49418 FAIRMAN, M. Public relations—words of warning, advice. Hoosier Farmer 38(3):25. Mar.1953. 280.82 H76
Public relations in agriculture.

49419 FAULKS, E. F. Individual problems demand individual instruction. Agr. Educ. Mag. 25:201-202. Mar.1953. 275.8 Ag8

49420 FESSENDEN, J. G., and WILSON, S. V. A song of health. N. C. Agr. Col. Ext. Club Ser. 41,rev.,4 p. Jan.1953. 275.29 N811C
4-H Clubs.

49421 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. El CREFAL [Centro Regional de Educación Fundamental para la América Latina] sigue adelante. Tierra [México] 8:28-29,62-63. Jan. 1953. 8 T445
Mexico.

49422 FRICKE, W. Das schriftwerk als erziehungsfaktor in der landwirtschaftlichen berufsschule. Ausbild. u. Beratung in der Landwirt. 6:12-14. Jan.1953. 18 N11
Germany.

49423 GAFT, M. M. Practices of the Division of Oral and Printed Propaganda. (In Russian.) Dostizheniâ Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:96-99. Sept. 1952. 20 D742
Agricultural information for collective farmers.

49424 GALINDO, A. El servicio de policia rural. Rev. Sind. de Estadís. 7:16-20. Fourth Q.1952. 263 Es8B
Spain.

49425 GEBBERS, K. Landtechnik und landjugendberatung. Ausbild. u. Beratung in der Landwirt. 6:30-32. Feb.1953. 18 N11
Germany.

49426 GENT. FOIRE INTERNATIONALE. Annuaire colonial,deuxieme edition,1952. Gand,1952. 89 p. 280.9 G34

49427 GFRERER, H. Sieben jahre kammerarbeit! Salzburger Bauer 8(8):1-3. (Cont.) Feb.19,1953. 19 Sa3

49428 GFRERER, H. Sieben jahre kammerarbeit! Salzburger Bauer 8(9):2-3,6-7. (Cont.) Feb.26,1953. 19 Sa3

49429 GRASSBERGER, K. Land- und forstwirtschaftliche berufsausbildung—pflicht oder freiwillig? Salzburger Bauer 7(46):1-3. Nov.13,1952. 19 Sa3

49430 GRIFFITH, O. Romance of Florida farming: a story of progress; 1953 centennial year of University of Florida whose program is bound up with its College of Agriculture and affiliates. Fla. Grower 61(2):15,23, 28. Feb.1953. 80 F6622

49431 GUISCAFRE-ARRILLAGA, J. Naturaleza, beneficios y potencialidades del Centro Nacional de Agronomia. Cent Nac. de Agron. C. Agr. 51,8 p. Jan.1952. 8 Sa54C
Education and research.

49432 HADLEY, D. E. Chalk talk. Agr. Educ. Mag. 25:212,214. Mar.1953. 275.8 Ag8

49433 HANEY, A. Arkansas teams up for health. Prog. Farmer, Miss.-Ark.-La. Ed. 68(3):22-23,185,189. Mar.1953. 6 So81

49434 HART, H. J., STEINICKE, D., and KETCHUM, C. 4-H safety on the farm. Mich. State Col. Agr. Ext. Club B. 28F,12 p. Jan.1953. 275.29 M58C

49435 HASSELMANN, W. Landjugend—bollwerk gegen den Bolschewismus. Hannoversche Land- u. Forstwirt. Ztg. 106:146-147. Feb.7,1953. 18 H194

49436 HEERDEN, J. J. VAN. Boschetto—all the farmers there are women. (In Afrikaans.) Landbouweekblad 34(1750):44-45. Jan.28,1953. 24 L232

49437 HERNANDEZ ARANGO, A. Una biblioteca agrícola en función. Medellin,Facultad Nacional de Agronomia,Universidad Nacional,1952. 3 p. 243.5 C71B

49438 HILL, L., STEINICKE, D., and KETCHUM, C. Safety practices for 4-H baby sitters. Mich. State Col. Agr. Ext. Club B. 28D,8 p. Dec.1952. 275.29 M58C

49439 HILL, S. I remember Kaufman County [Texas]. Ext. Serv. Rev. 24:33-34. Feb.1953. 1 Ex892Ex
Regarding the first farm and home demonstration work.

49440 HOBSON, A. Royal Show. Shropshire & Surrounding Co. Agr. News 16:115,117-119,121,123,125,127, 129,131. June/Sept.1952. 10 Sh8
Includes a history of its rise from small beginnings.

49441 HORLACHER, M. Die parteipolitische vertretung der bauern. Landwirt. Wchnbl. 143:253,255-256. Feb.28,1953. 18 L2338
Germany.

49442 HUTCHINSON, G. M. Challenge to the rural church. Country Guide 72(3):7,40-41. Mar.1953. 7 G76
The church in relation to the community in Canada.

49443 IVANOV, V. K. Accomplishments of the agrotechnical groups in the second year study [of the Three-Year Agrozootechnical Course]. (In Russian.) Dostizheniâ Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:75-77. Nov.1952. 20 D742

49444 IWAKABE, T. Films for rural communities. (In Japanese.) Nōrin Jihō 12(2):16-19. Feb.1953. 22.5 N772

49445 IYER, C. S. Extension of information to rural people in India. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:560-561. 1952. 284.29 In82

49446 JACKMAN, E. R. Advice to a young man wanting the low-down on an Extension job. Ext. Serv. Rev. 24:4,15. Jan.1953. 1 Ex892Ex

49447 JONES, L. W. Potentialities in Extension. Ext. Serv. Rev. 24:10,15. Jan.1953. 1 Ex892Ex

49448 KASHIWA, Y. Rural population under capitalism. (In Japanese.) Nogyo Keizai Kenkyu 24(2):1-13. Dec.1952. 281.8 N68

49449 KETCHUM, C. 4-H health improvement. Mich. State Col. Agr. Ext. Club B. 28A,16 p. Dec.1952. 275.29 M58C

49450 KETCHUM, C. 4-H safety in the home. Mich. State Col. Agr. Ext. Club B. 28C,12 p. Dec.1952. 275.29 M58C

49451 KEY, E. R. What a rural church did in Christian education. Town & Country Church 87:10-11. Mar.1953. 281.28 T66

49452 KONOLD, O. Einige zahlen aus den landwirtschaftlichen berufs- und fachschulen in Nordwürttemberg. Württemb. Wchnbl. f. Landwirt. 120:137-139. Feb.7,1953. 18 W96

49453 KRIEBER, F. Kinderbeihilfen-ausgleichsfonds. Bauer 6(5):14-15. Jan.31,1953. 19 B32
Austria.

49454 KRIEBER, F. Kinderbeihilfenkarte. Bauer 6(4):13-14. Jan.24,1953. 19 B32
Austria.

49455 KRUGER, H. Neue landwirtschaftsschulen. Ausbild. u. Beratung in der Landwirt. 6:2-10. Jan.1953. 18 N11
Germany.

49456 KRYZHNIA, L. Accomplishments of the Center of Agricultural Culture of the Stalin Kolkhoz [in Sumy District, Sumy Region]. (In Russian.) Sotsialist. Zhivotnovod. 14(12):87-89. 1952. 49 So71
Research and education of farm workers.

49457 KUHLENDAHL, S. Was bedeutet für mich der Hülserberg? Landwirt. Z. der Nord-Rheinprov. 120:170. Feb.7,1953. 18 L2344

49458 KUNZE, E. Abgaben, umlagen oder beiträge zur landwirtschaftskammer? Recht der Landwirt. 5:57-59. Mar.1953. 30.58 R24
Germany.

49459 KURTEN, P. W. Muss der wirtschaftsberater etwas von publizistik verstehen? Ausbild. u. Beratung in der Landwirt. 6:35-36. Feb.1953. 18 N11
Germany.

49460 KUZNETSOV, A. V. Accomplishments of the three-year agrozootechnical courses on the collective farms of Crimea. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 12:64-67. Dec.1952. 20 D742

49461 LAFOND, R. Extension Service in Montana. Mont. State Col. Farmer 6(2):10,18. Feb.1953. 276.8 M76

49462 LAJOUSE. L' "enseignement ménager" aux Etats-Unis. France. Min. de l'Agr. Rev. Etudes & Monog. 80:288-292. Mar.1953. 281.8 F84

49463 LAMB, R., STEINICKE, D., and KETCHUM, C. 4-H bicycle and pedestrian safety. Mich. State Col. Agr. Ext. Club B. 28E,12 p. Jan.1953. 275.29 M58C

49464 LECHNER, F. G. Factors influencing the experiences of student teachers. Agr. Educ. Mag. 25:196, 199,209. Mar.1953. 275.8 Ag8

49465 LIMA. ESCUELA NACIONAL DE AGRICULTURA. Memoria correspondiente al año académico de 1951. Lima,1952. 106 p. 102.5 L62M

49466 LOERBROKS, I. Landwirtschaftliche hochschulausbildung in Schweden. Diplomlandwirt 3:14-16. Feb. 1953. 18 D62

49467 LUNINCK, FREIHERR VON. Die stellung des bauern in wirtschaft und volk. (Excerpts.) Landwirtbl. Weser-Ems 100:107-108. Jan.29,1953. 18 L2345

49468 MACQUEEN, G., STEINICKE, D., and KETCHUM, C. 4-H automobile safety. Mich. State Col. Agr. Ext. Club B. 28H,15 p. Jan.1953. 275.29 M58C

49469 MANGHAM, H. J. Ritual of the candles; candlemakers are still important persons within the small rural communities of Mexico, where candles are used extensively in the observance of many deep-rooted customs in the country. Mex.-Amer. Rev. 21:15-16,18-20,22. Jan. 1953. 287 M572

49470 MASE, E. Health and sanitation report. (In Italian.) In Rome. Istituto Nazionale di Credito per il Lavoro Italiano all'Estero. Emigrazione e colonizzazione agricola in Brasile, v.2,p.373-434. Firenze,1952. 282.2 R66

49471 MAYRHOFER, W. Die soziale einstufung des bauern. Kärntner Bauer 103:53-54. Feb.15,1953. 19 K14
Checking up on and improving the health of rural school children.

49472 MEADERS, D. Professional improvement is necessary. Agr. Educ. Mag. 25:203. Mar.1953. 275.8 Ag8

49473 MILÎAEV, A. P. Successful films on leading practices [in agriculture]. (In Russian.). Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:88-90. Jan. 1953. 20 D742

49474 MILLER, J. D. Iran. Field Rptr. 1(4):12-17. Jan./Feb.1953. 150 F45
Education.

49475 MINKEVICH, I. Agricultural propaganda--for the service of collective farm production. (In Russian.) Sotsialist. Sel'sk.Khoz. 23(12):13-27. Dec.1952. 281.8 So73

49476 MISSISSIPPI STATE COLLEGE. EXTENSION SERV. 1951 annual report. Miss. State Col. Ext. P. 215, 27 p. June 1952. 275.29 M68A

49477 MONTAGNE, R. Au sujet du statut de la famille paysanne. Prog. Agr. et Vitic., Jan.18/25,1953: 41-42. 14 P94
France.

49478 MÜNZBERG, H. Aus der Verbandsarbeit. Diplomlandwirt 3:13-14. Feb.1953. 18 D62
Verband Deutscher Diplomlandwirte e V.

49479 NATIONAL ASSOCIATION OF COUNTY AGRICULTURAL AGENTS. 37th NACAA annual meeting held Dec. 1-3. Co. Agent 12(4):3-6,13. Dec.1952. 275.28 C832

49480 NEEDHAM, A. Weathercocks. Countryman [Burford] 47:46-48. Spring 1953. 281.28 C832

49481 NEJEDLA, H. Training agricultural cadre in the U.S.S.R. (In Czech.) Za Socialist. Zemedel. 2:1431-1435. Dec.1952. 19.5 Z1

49482 NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Extension Service summer school of the Cornell University summer session 1953, July 6 to July 24. Ithaca,1953? 10 p. 275.29 N48Es

49483 NOAKES, H. L. "Learning by doing" applies to training teachers. Agr. Educ. Mag. 25:206-208. Mar. 1953. 275.8 Ag8

49484 ORR, C. 50 years of extension; county agents and farm demonstrations made history. Nebr. Farmer 95(4):8,72,82. Feb.21,1953. 6 N27

49485 OSLIKOVSKAIA, E. S. On raising the qualifications of specialists in agriculture. (In Russian.) Sovet. Agron. 10(11):74-81. Nov.1952. 20 So84

49486 PENABAD FRAGA, M. Conciencia agrícola. Tierra Libre 16(12):20. Dec.1952. 8 T443
Centro de Enseñanza Técnica de la Agricultura y de la Vida Rural in Cuba.

49487 PETERSON, M. J. Professional improvement--it's our job. Agr. Educ. Mag. 25:197. Mar.1953. 275.8 Ag8

49488 PETRUSENKO, N. I. Accomplishments of a Centre of Agricultural Culture. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:77-78. Nov.1952. 20 D742
Education of farm workers and research.

49489 PIGNEDE, M. Oú en sont les Centres d'Etudes Techniques Agricoles? Agriculture [Paris] 17(142):5-7. Jan.1953. 14 Ag823

49490 PRAX, A. La nouvelle réglementation des allocations familiales agricoles. Prog. Agr. et Vitic., Mar.1/8,1953:135-136. 14 P94
France.

49491 PRZEDPELSKI, B. J., and others. New approaches for agricultural extension in problem areas. Wis. Agr. Col. Ext. B. 1,24 p. Sept.1952. 275.29 W75Ex
G. W. Hill, D. Ensminger, and E. A. Jorgensen, joint authors.

49492 REEDER, N. Good churches make good neighbors. Capper's Farmer 64(3):33,114-115. Mar. 1953. 6 M693

49493 RIDGELL, P. A diagnosis of common cinematic troubles; their probable causes and suggested methods for correction. Washington,U. S. D. A., Off. Inform., Motion Picture Serv.,1953. 11 p. 1.914 M2D54
Prepared for the Motion Picture Work Conference, January 26-29, 1953.

49494 RODRIGUEZ, P. A. Outreach in service to backward areas. Rur. Missions 85:5,8. Winter 1953. 281.28 Ag8
Extension work in the Philippines.

49495 ROKAHR, M. A. Yesterday--today--tomorrow. Ext. Serv. Rev. 24:26. Feb.1953. 1 Ex892Ex
Home demonstration work.

49496 ROSENKRANZ, O. Landarbeitsforschung und -lehre, ihre stellung unter den landwirtschaftswissenschaften und ihre aufgaben. Leipzig. U. Wiss. Z. 4:112-118. 1951/52. 509 L532

49497 SAGUIGUIT, G. F. Methods in vocational agriculture. Agr. & Indus. Life 15:6-7,44-45. Jan.1953. 25 Ag8

49498 SCARBOROUGH, C. C. A pattern for program planning with groups. Agr. Educ. Mag. 25:205,215. Mar.1953. 275.8 Ag8

49499 SCHNEIDAWIND, A. Der bayerische landwirtschaftsbrief. Ausbild. u. Beratung in der Landwirt. 6: 4,12. Jan.1953. 18 N11

49500 SEBASTIANINI, A. J. The reform of legislation on the Chambers of Commerce, Industry, and Agriculture. (In Italian.) Riv. di Polit. Econ. (ser.3)42:1474-1488. Dec.1952. 280.8 R52
Italy.

49501 SEMENOV, A. P. How to conduct agro-zootechnical studies on collective farms. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:72-74. Nov.1952. 20 D742

49502 SERRATS URQUIZA, S. Posibilidades del agrónomo español. Asoc. Nac. de Ingen. Agrón. B. 3(33): 15-24. Dec.1952. 58.9 As5
Education.

49503 SHENDRIKOVA, K. Procedure of the three-year agro-zootechnical courses [on collective farms]. (In Russian.) Dostizheniîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 9:90-91. Sept.1952. 20 D742

49504 SIENA. CAMERA DI COMMERCIO, INDUSTRIA, E AGRICOLTURA. Calendario fiere e mercati della provincia di Siena per il 1953 [Calendar of fairs and markets of the province of Siena for 1953]. Siena,1953. 58 p. 287 Si1

49505 SIMKIN, B. M. Practices at the three-year agro-zootechnical courses [at Komintern Kolkhoz, Mogilev District, Mogilev Region]. (In Russian.) Dostizhenîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1: 71-74. Jan.1953. 20 D742

49506 STEINICKE, D. 4-H first aid. Mich. State Col. Agr. Ext. Club B. 28B,12 p. Dec.1952. 275.29 M58C

49507 STESHENKO, P. P. Practices at the three-year agrotechnical courses [at Stalin Kolkhoz in Shpakov District, Stavropol Territory]. (In Russian.) Sovet. Agron. 11:71-72. Jan.1953. 20 So84

49508 STUBBE, H. Die Deutsche Akademie der Landwirtschaftswissenschaften zu Berlin. Interagra 6: 308-317. 1952. 28 In825
Russian Zone.

49509 STUCH. Gedanken zur ersten rheinischen meisterprüfung. Ausbild. u. Beratung in der Landwirt. 6: 32,37. Feb.1953. 18 N11

49510 SUJUDI, R. Extension of information to rural people in Indonesia. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:561-563. 1952. 284.29 In82

49511 SUTHERLAND, S. S. Maintain effective relationships with your administrator. Agr. Educ. Mag. 25:210-211. Mar.1953. 275.8 Ag8

49512 TAPIA C., A. Extension of information to rural people in Mexico. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:558-560. 1952. 284.29 In82

49513 TOOTELL, R. B. The future of extension in the land-grant college system. Co. Agent 12(4):7-9. Dec. 1952. 275.28 C832

49514 TYRER, T. G. Farmer-owned extension scheme; new concept of farm advisory service is being pioneered on club basis by Franklin farmers. New Zeal. Dairy Exporter 28(8):7-9. Feb.1953. 44.8 N484

49515 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. MOTION PICTURE SERV. U. S. Department of Agriculture films for television. Washington, 1953? 5 p. 1.914 M2Un33

49516 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. RADIO AND TELEVISION SERV. Television report; section III—program methods, by M. A. Speece, A. F. Skelsey, and K. M. Gapen. Washington? 1953. 36 p. 1.914 R2T232

49517 U. S. EXTENSION SERV. Some good films. Washington,1952. 2 p. 1.913 M3So5
On health and safety.

49518 VIRGINIA. UNIVERSITY. EXTENSION DIV. Huddleston got its man; rural communities can have doctors. Va. U. Ext. Div. B. New Dominion Ser. 138,7 p. Dec.1952. 280.9 V814

49519 VIRGINIA. UNIVERSITY. EXTENSION DIV. Young couples' school; farm couples define problems and seek help of practical specialists. Va. U. Ext. Div. B. New Dominion Ser. 137,6 p. Nov.1952. 280.9 V814

49520 VIRONE, L. E. American universities and their work in the preparation of agricultural technicians and assistance to farmers. (In Italian.) Riv. di Econ. Agr. 7:537-540. July/Dec.1952. 281.8 R52

49521 VOGT. Die aufgaben von mensch und hof in der landwirtschaftlichen berufsausbildung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:177. Jan.29,1953. 18 L2346

49522 VOORHIES, E. C. The University of California. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:13-18. 1952. 284.29 In82

49523 WAGNER, A. Die bäuerin in haus und hof. Ber. über Landwirt. (n.s.)30:460-466. 1952. 18 G31
Germany.

49524 WEINSTEIN, G. Help yourself to a scholarship. Country Gent. 123(3):133,145-149. Mar.1953. 6 C833
Includes scholarships for general agriculture.

49525 WEST VIRGINIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 4-H Club recreation; helps for 4-H Club members who are recreation leaders of local 4-H Clubs. Suggested activities for club recreation periods, by E. S. Ansel and D. Robinson. Morgantown,1952? 13 p. 275.2 W52Fh

49526 WIGHT, M. A Herefordshire village festival Countryman [Burford] 47:89-90. Spring 1953. 281.28 C832

49527 WILLIAMS, J. Increase pupil participation. Agr. Educ. Mag. 25:204,209,213. Mar.1953. 275.8 Ag8

49528 WILSON, M. C. Finding and facing facts. Ext. Serv. Rev. 24:24-25,38. Feb.1953. 1 Ex892Ex
Early extension field studies and fact-finding surveys.

49529 WILSON, M. L. Forward planning. Ext. Serv. Rev. 24:8-9. Jan.1953. 1 Ex892Ex
Cooperative Extension's educational work.

49530 WILSON, M. L. 50 years of achievement. Acco Press 31(2):3-5. Feb.1953. 6 Ac2
Fiftieth anniversary of farm demonstration work.

49531 WOLD, A. E. Your child & his reading. Mont. State Col. Ext. C. 243,6 p. Sept.1952. 275.29 M76Ci

49532 WOMEN find careers on the land. Soil Conserv. 18:180-183,191-1952. Mar.1953. 1.6 So3S

49533 ZHIZHIN, S. M., and POROSHIN, B. N. Method of raising qualifications of specialists in agriculture in Ukrainian SSR. (In Russian.) Dostizhenîa Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 1:74-76. Jan. 1953. 20 D742

Leadership

49534 HARROLD, J. G. First leadership course Farmers' Union of Alberta. Organized Farmer 12(2):14-15. Feb.1953. 281.8 Or32

49535 PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Guide for 4-H local leaders. Pa. State Col. Agr. Ext. C. 408,20 p. Nov.1952. 275.29 P38C

49536 RUGLAND, E. Iowa's rural young people present a strong case for counselors. Ext. Serv. Rev. 24:5, 15. Jan.1953. 1 Ex892Ex

Rural Organizations and Movements

49537 ABRAHAMSEN, M. A. Looking ahead with purchasing co-ops. News Farmer Coop. 19(11):5-6. Feb. 1953. 166.2 N47

49538 ALVAREZ MERINO, M. Unión o cooperativismo agrícola. Agr. Burgalés 20(217):4-5. Jan.1953. 15 Ag86

49539 ANDERSON, W. L. Young Farmers' Club in Scotland. Scot. Farmer 61(3141):41-42. Jan.1,1953. 10 Sco8

49540 ANTIPOFF, D. Initiation of agricultural technique through the school agricultural clubs. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(9):66-71. Sept.1952. 9.2 M663

49541 ARNAU, H. La cooperativa agrícola de Cotla: una verdadera democracia económica. Hacienda 48(3): 50,52. Mar.1953. 6 H11
Brazil.

49542 ASMIS, W. Einheitsorganisation oder arbeitsteilung in der landwirtschaft? Deut. Landwirt.-Gesell. Mitt. 68:98. Jan.29,1953. 18 N39

49543 BROWN, N. What the weekly [newspaper] wants cooperatively. News Farmer Coop. 19(12):10,12. Mar.1953. 166.2 N47

49544 BUTLER, D. What the Y. F. C. has done for me. Young Farmer 21:27,29. Jan./Feb.1953. 10 Y8

49545 CARLSON, D. Organization and staffing base of good management. News Farmer Coop. 19(11):13-14. Feb.1953. 166.2 N47
Cooperative organizations.

49546 CARLSON, D. Right man first step in good management. News Farmer Coop. 19(12):6-7. Mar.1953. 166.2 N47
Management of cooperative organizations.

49547 CHATER, S. W. The necessity for agricultural cooperation. (In Afrikaans.) Primary Prod. [Cape Town] 28(20):19. Oct.3,1953. 281.8 P93
Union of South Africa.

49548 CIPRA, V., and HOSEK, V. Development of individual agricultural cooperatives in the year 1952. (In Czech.) Za Socialist. Zemedel. 2:1365-1370. Dec.1952. 19.5 Z1

49549 COOPERATIVES in underdeveloped areas. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:348-363. 1952. 284.29 In82
Panel discussion; H. Belshaw, chairman.

49550 DE GUERIN, B. C. The Young Farmers of Guernsey. Amer. Farm Youth 18(9):34-36. Feb.1953. 6 Am393

49551 DUBOIS, J. La Fédération des Associations des Colons [du Congo et du Ruanda-Urundi Belges] (Fedacol). Gent. Foire Internatl. Annu. Colon. 2:79-81. 1952. 280.9 G34

49552 FEIERABEND, L. Agricultural cooperatives in Czechoslovakia. New York,Mid-European Studies Center,1952. 125 p. 280.29 F32

49553 FIPPIN, W. H. Farmers' organizations in Taiwan. I. Chin.-Amer. Econ. Coop. 1(12):1-5. Dec.1952. 173.2 M98C

49554 FIPPIN, W. H. Farmers' organizations in Taiwan. II. Chin.-Amer. Econ. Coop. 2:59-66. Jan.1953. 173.2 M98C

49555 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Cooperatives in the Caribbean. Caribbean Econ. Rev. 4:1-59. Dec.1952. 280.8 C192

49556 FRY, H. S. Canadian Federation of Agriculture. Country Guide 72(2):7,76,78-79. Feb.1953. 7 G76
Report of the 17th annual meeting at Victoria.

49557 FRY, H. S. Federated consumer co-ops; some history, together with some fact and opinion about Saskatchewan Federated Co-operatives Limited. Country Guide 72(2):13,30-31. Feb.1953. 7 G76

49558 GARGAVA, R. L. Supervision of co-operative societies in Madhya Pradesh. Indian Co-op. Rev. 18:266-270. July/Sept.1952. 280.28 In2

49559 GIROUD, R. Compte rendu de la visite de la Coopérative Avicole des Landes par la Coopérative Agricole Lauragaise. Terre d'Oc 35:15-17. Jan.1953. 14 Ar5

49560 GORDEEV, A. Klub pomogaet kolkhoznomu proizvodstvu [The club is aiding collective farm production]. Moskva,Gos. Izd-vo Kul'turno-Prosvetitel'noi Lit-ry,1952. 36 p. (Bibliotechka Sel'skogo Klubnogo Rabotnika 10) 20 B475

49561 HANNAH, H. W. The legal nature of agricultural organizations and agencies operating in Illinois counties. Ill. Farm Econ. 210/211:1429-1435. Dec.1952/Jan.1953. 275.28 IL5

49562 HATESAUL, E. Umlagestop der Hann. Landw. Berufsgenossenschaft. Hannoversche Land- u. Forstwirt. Ztg. 106:218. Feb.21,1953. 18 H194

49563 HEDGES, H. Increasing need in future is seen for services of farm cooperatives. Sunsweet Standard 36(9):5. Feb.1953. 286.83 Su7

49564 HENRI, and BORE, J. Coopératives en uniforme. Tech. Lait. 9(123):9,11,13-14. (Cont.) Feb.15, 1953. 44.8 Of2

49565 HULL, I. H. Built of men, the story of Indiana cooperatives. New York,Harper,1952. 212 p. 280.2 H874

49566 IDAHO STATE GRANGE. Journal of proceedings and constitution and by-laws, forty-fourth annual session, Coeur d'Alene, December 1-2-3-4, 1952. n.p., 1952. 99 p. 4 Id13J

49567 INDIA. REGISTRAR OF CO-OPERATIVE SOCIETIES AND DIRECTOR OF AGRICULTURAL MARKETING AND RURAL FINANCE. Annual administration report on the working of the co-operative societies in Bombay State for the year 1950-51. Bombay,Govt.Cent. Press,1952. 2 v. 284.29 In22

49568 INDIANA FARM BUR. COOPERATIVE ASSOCIATION. Progressive pioneering through cooperation; 26th annual report. Hoosier Farmer 38(3):27-42. Mar.1953. 280.82 H76

49569 JENSEN, A. LA C. Means for furthering practical youth work. (In Danish.) Jydsk Landbr. 35:128-129. Feb.19,1953. 11 J99
4-H Clubs.

49570 JENSEN, A. LA C. Practical task in the youth work. (In Danish.) Jydsk Landbr. 35:49-50. Jan. 15,1953. 11 J99
4-H Clubs.

49571 JONES, J. B. A farm supply job well done. News Farmer Coop. 19(12):8-10. Mar.1953. 166.2 N47
Montgomery-Bucks Farm Bureau Cooperative Association, Souderton, Pa.

49572 JUNGFLEISCH, M. Les agriculteurs d'Egypte. Egypte Agr. 50:198-217. Nov./Dec.1952. 24 Un32
History of the Union des Agriculteurs d'Egypte.

49573 KANSAS STATE GRANGE. Proceedings, Emporia, Kansas,October 21, 22, 23, 1952. Emporia, 1952. 79 p. 4 K13

49574 KIRKPATRICK, E. L. Rural Youth of the U.S.A. Conference. Q. Alpha Zeta 46:1-5. Jan.1953. 275.8 AL7

49575 KLEMENT, F. L. Middle Western Copperheadism and the genesis of the Granger movement. Miss. Val. Hist. Rev. 38:679-694. Mar.1952. 134.8 M69

49576 KONECNY, P. Assistance in scientifically enlightening instruction of members of the individual cooperatives. (In Czech.) Za Socialist. Zemedel. 2:1419-1431. Dec.1952. 19.5 Z1

49577 KRAUS, J. Zur jahreswende!. Landwirt. Genossenschbl. f. Niederösterr. 50:1-2. Jan.1,1953. 280.28 L23

49578 KRISTIANSTADS LANS HUSHÅLLNINGSSÄLLSKAP. Reports of Kristianstad Province Agricultural Society. (In Swedish.) Kristianstads Läns Hushsallsk. Tidskr. 3:78-198. 1952. 11 K89

49579 LAGLER, E. Errichtung eines genossenschaftsinstitutes an der Universität Wien. Landwirt. Genossenschbl. f. Niederösterr. 50:7-8. Jan.1,1953. 280.28 L23

49580 LEBOURVEAU, W., and PAULSON, W. E. Agricultural cooperatives in Texas, 1952. Tex. Agr. Expt. Sta. Misc. P. 88,24 p. Dec.1952. 100 T31M

49581 LONT, J. The organization problem. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:131-132. Mar.4,1953. 44.9 AL3
Cooperatives in the Netherlands.

49582 MCCLARREN, H. What youth thinks of the farmer cooperatives. Milk Prod. [Houston] 18(3):13,28. Mar.1953. 44.8 M5993

49583 MAHAPATRA, J. Co-operatives and community projects. (Extr.) Indian Co-op. Rev. 18:306-310. July/Sept.1952. 280.28 In2

49584 MANEVSKIĬ, A. D. Vystavki v klube [Exhibits in the club]. Ed. 2, rev. Moskva,Goskul'tprosvetizdat, 1952. 49 p. (Bibliotechka Sel'skogo Klubnogo Rabotnika 9) 20 B475

49585 MASSACHUSETTS STATE GRANGE. Proceedings of the eightieth annual session, Municipal Memorial Auditorium, Worcester, Mass., October 28, 29, 30, 1952. Worcester,1952. 164 p. 4 M385

49586 MATTEI, T. Cooperation in mountain areas. (In Italian.) Monti e Boschi 3:550-554. Nov./Dec.1952. 16 M76
English summary, p. 572.
Italy.

49587 MAY, D. W. Co-ops are people. Carolina Co-op. 31(2):10-11,24. Feb.1953. 72.8 N81

49588 MINNESOTA STATE GRANGE. 1952 proceedings, eightieth annual session, Grand Rapids, Minnesota, October 21-22-23. n.p.,1952. 101 p. 4 M662

49589 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. For the youth of your land and mine, the National 4-H Club Foundation; its program and plans. Washington,1952. 13 p. 275.29 N218

49590 OREGON ASSOCIATION OF F. F. A. Annual report for the year ending June 30, 1952. Salem,1952. 21 p. 4 F986
Issued by Oregon State Board of Education.

49591 PAK, K. H. Agricultural cooperatives and credit for reconstruction of Korean agriculture. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:889-893. 1952. 284.29 In82

49592 REYMOND, P. Le régime fiscal des coopératives agricoles découle de leur statut juridique. Rev. de Lég. Agr. 6:3-9. Jan./Feb.1953. 281.8 R325
France.

49593 RIDDELL, G. E., and HECKMAN, J. H. Buying and selling by cooperatives in Europe. U. S. Off. Foreign Agr. Rpt. 51,slightly rev.,73 p. Jan.1953. 1.943 F763

49594 RIKSFORBUNDET LANDSBYGDENS FOLK. Styrelse- och revisionsberättelse, 23 verksamhetsåret [Management and auditor's report for the fiscal year], Feb. 1, 1951 to Jan. 31, 1952. Stockholm,1952. 66 p. 11 R44

49595 ROBINSON, J. L. Teachers and co-op managers should know each other. News Farmer Coop. 19(12): 3,13. Mar.1953. 166.2 N47
Improving vocational agriculture teacher-management relationships.

49596 RUEDA MARIN, M. M. Cotos escolares agrícolas. Agricultura [Madrid] 21:665-671. Dec.1952. 15 Ag84
Cooperatives.

49597 SARAIYA, R. G. Outline of a plan for co-operative development in Rajasthan. Indian Co-op. Rev. 18:243-247. July/Sept.1952. 280.28 In2

49598 SCHUMY, V. Organisation und arbeitsgrundsätze der ldw. genossenschaften. (Extr.) Salzburger Bauer 7(46):3. Nov.13,1952. 19 Sa3

49599 SHARMA, V. S. Indian traditions in co-operation. Madras J. Co-op. 44:296-298. Dec.1952. 280.28 M26

49600 SHISHAKOV, V. A. Programma nachal'nogo sel'skogo klubnogo kruzhka po astronomii [Program of a beginner village club group on astronomy]. Moskva, Goskul'tprosvetizdat,1952. 30 p. (Bibliotechka Sel'skogo Klubnogo Rabotnika 12) 20 B475

49601 SINGER, J. Muss kampf sein? Landwirt. Wchnbl. 143:253-254. Feb.28,1953. 18 L2338
Cooperatives in Germany.

49602 SMITH, L. P. F. Minnesota, 1950. Agr. Ireland 10:56-57. Mar.1953. 10.5 Ag8
Number and the financing of cooperative organizations.

49603 SOCIEDAD AGRONOMICA DE CHILE. Terceras jornadas agronómicas 1951. Simiente 22(1/2), 220 p. Jan./June 1952. 9.3 Si4

49604 SOCIEDAD DE AGRICULTORES DE COLOMBIA. Informe, 1952. Rev. Nac. de Agr. 47(573):13-17,19-27,29-32,34-40,42-46,48-53,55-59. Jan.1953. 9.4 R32

49605 SOERIA-ATMADJA, S. Problems in development of cooperatives in Indonesia. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:349-355. 1952. 284.29 In82

49606 STANTON, B. Southern hospitality proves good public relations. News Farmer Coop. 19(11):8-10. Feb.1953. 166.2 N47
Housewarming when Southern States Fredericksburg Service opened its new warehouse.

49607 STOOSS, H. Der beschluss der bauernverbände. Bad. Landwirt. Wchnbl. 120:173-175. Feb.21, 1953. 18 B142

49608 TAYLOR, M. H. Farm cooperatives in Utah; a directory. Utah. State Agr. Col. Ext. M. S. 483,rev.,20 p. June 1952. 275.29 Ut1Ms

49609 THINEY, L. H. Un plan comptable pour les coopérations agricoles. Rev. de Lég. Agr. 6:12-14. (Cont.) Jan./Feb.1953. 281.8 R325
France.

49610 TINLEY, J. M. Revolving finance to readjust ownership in cooperatives. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:237-254. 1952. 284.29 In82

49611 VARDE, V. P. Cooperative potentialities and problems in India. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:356-360. 1952. 284.29 In82

49612 VERBAND OSTSCHWEIZERISCHER LANDWIRTSCHAFTLICHER GENOSSENSCHAFTEN. 66.jahresbericht umfassend den zeitraum vom 1. January bis 31. Dezember 1952. Winterthur,1953. 53 p. 280.29 V58J

49613 VERHOEVEN, J. Zur aufgabe der landw. genossenschaften. Landwirt. Z. der Nord-Rheinprov. 120:191-192. Feb.14,1953. 18 L2344

49614 WANDERER, F. Warum genossenschaftsanteilerhöhung? Agr. Rundschau 9:32-35. Winter 1952/53. 280.8 Ag82
Austria.

49615 WARD, W. B. Look at your reporting job. Coop. Digest 13(8a):6-7. Feb.15,1953. 280.28 C7896
Publicity for cooperatives.

49616 WARREN, G. L. Aids for observance of National 4-H Club events; National 4-H Club Week, Achievement Day. U. S. D. A. PA-214,24 p. Dec.1952. 1 Ag84Pro

49617 YUKAWA, M., and OYAMADA, S. Present situation of agricultural cooperative associations and agricultural credit in Japan. Internatl. Conf. Agr. & Coop. Credit. Proc. 2:814-834. 1952. 284.29 In82

RURAL SOCIAL PSYCHOLOGY

49618 BERNATZKY, A. Mensch und landschaft. Übersicht 3(12):39-42. Dec.1952. 18 Ub3

49619 TRIPP, T. A. The farmer's vocation. Town & Country Church 87:13. Mar.1953. 281.28 T66

49620 WOLD, A. E. Your teen ager and his parents. Mont. State Col. Ext. C. 245,14 p. Nov.1952. 275.29 M76Ci

TRADE, FOREIGN AND INTERNATIONAL

49621 AJE; 1952 AUSSENHANDELS-jahrbuch der deutschen ernährungswirtschaft. Hamburg,1952. 440 p. 389.8 Au72

49622 ALBRECHT. Verbesserung des internationalen verkehrs. (Sum.) Ernährungsdienst 8(10):6. Jan.24, 1953. 389.8 Er62
Grain.

49623 ALCARAZ LUNA, M. Se ha superado ya el promedio de exportación de agrios anterior a la guerra. Rev. Stad. de Estadís. 7:2-7. Fourth Q.1952. 263 Es8B
Spain.

49624 ANGELIDIS, A. D. U.S. farm exports reflect more ample world supplies. Foreign Agr. 17:40-43. Feb.1953. 1.9 Ec7For

49625 AUSSENHANDELS-jahrbuch der deutschen ernährungswirtschaft, jahrg. 1, 1952. Hamburg,1952. 440 p. 389.8 Au72

49626 AUWERA, G. VAN DER. Is the witloof culture important to the smallholders? (In Flemish.) (Sum.) Tuinbouwberichten 17:21-23. Feb.15,1953. 80 T817
Chiefly on export possibilities.

49627 BARRAU, H. Marseille et les territoires français du Pacifique. Marchés Colon. du Monde 9:761-763. Mar.7,1953. 286.8 M33
Trade in agricultural products.

49628 BELSHAW, H. Stabilizing trade in agricultural exports. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:530-544. 1952. 284.29 In82

49629 BERTHAULT, P. Il nous faut des produits riches à exporter. Rev. Agr. de l'Afrique du Nord 51:29-31. Jan.9,1953. 80 R326

49630 BERTRAM, O. Normalpreis-verzollung von rohkakao. Zucker- u. Süsswaren-Wirt. 6:51-52. Jan.20, 1953. 286.86 Z8
Germany.

49631 BEUKENKAMP, R. L. American agricultural interests and international trade policy of the new President. (In Dutch.) Landbouwwereldnieuws 8:69-72. Jan. 31,1953. 12 L237

49632 BOALS, G. P. Flour export program. Mod. Miller & Bakers News 80(5):20-21,23. Feb.28,1953. 298.8 M72

49633 BRANDT, K. The future of agricultural exports. Nation's Agr. 28(3):9-11. Mar.1953. 280.82 B89

49634 BRITTON, J. C. The market for Canadian wheat. Foreign Trade 13(322):27-29. Feb.28,1953. 286.8 C162
Trade with Japan.

49635 CANADA. BUR. OF STATISTICS. Exports December, 1952 and twelve months ended December, 1952. Ottawa,1953. 191 p. 253 St25Tep

49636 COOPER, C. E. B. Technical activities of the Perishable Products Export Control Board. Food Indus. So. Africa 5(9):40-42. Jan.1953. 389.8 F7372

49637 DITGES, H. Kleine äpel—frosse anfrage. Früchte u. Gemüse Markt 5:378-380. Mar.13,1953. 286.83 F9425
German trade.

49638 DOMINICAN REPUBLIC. DIRECCION GENERAL DE ESTADISTICA. Importación de la República Dominicana 1951. Ciudad Trujillo,1953. 544 p. 254.8 D7172Ia

49639 DUFOUR, F. A. Le fonctionnement et l'activité de la Bourse des Fruits et Légumes d'Importation du Port de Marseille. Marchés Colon. du Monde 9:723-724. Mar.7,1953. 286.8 M33

49640 EIGNER, M. Die internationalen nahrungs- und genussmittelmärkte, rückblick und ausblick. L und E 6(2):16-17. Feb.1953. 389.8 Z34

49641 FARIA E MALA, V. M. Development of livestock industry. (In Portuguese.) Azores. Comis. Regulad. dos Cereais. B. 9(17):107-111. First Semes.1953. 15 Az6
Cattle imported to the Azores.

49642 FINLAND. STATISTISKA CENTRALBYRAN. Ulkomaankauppa. Foreign trade, 1951, volume 70, 1951. Helsinki,1953. 217 p. 267.5 B47H
Table of contents and some tables also in English. Includes agriculture.

49643 FRANCE. DIRECTION GENERALE DES DOUANES ET DROITS INDIRECTS. Tableau général de la navigation maritime et des transports; effectif de la marine marchande; tableau du commerce extérieur de la France établi d'après la classification type pour le commerce international adoptée par l'Organisation des Nations-Unies, année 1950. Paris,1952. 494 p. 260 D74Tn

49644 GREIDANUS, G. Vers un nouvel accord international du blé? (In Dutch.) Econ.-Statis. Ber. 38: 105-107. Feb.11,1953. 280.8 Ec722
French summary, p. 104.

49645 GROSSERER-SOCIETETETS KOMITE. Verdensmarkedet og Danmark i året 1952 [The world market and Denmark in the year 1952]. København,1952. 183 p. 257.1 C792Ad
Includes agriculture.

49646 GUERCHY, J. DE. Marseille et les produits tropicaux. Marchés Colon. du Monde 9:745,747. Mar.7, 1953. 286.8 M33
Trade.

49647 HAAS, J. A. What to do about imports. DPMA News 13(5):8-11. Feb.1953. 280.28 D144
Dairy products.

49648 HALL, E. G. Australian apple and pear exports to the United Kingdom and Europe, 1952. Tasmanian Friutgrower & Farmer 29(351):19,21,23,25. Nov. 1952. 23 T185

49649 HILMER, W. Gedanken eines jungen fruchtkaufmannes zum Spaniengeschäft. Obst u. Gemüse 5:68. Jan.22,1953. 286.83 Ob72
Orange trade.

49650 HOSONO, S. Prospect in exportation of Japanese mint. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):95-118. Oct.1952. 22.5 N687

49651 HUGHES, H. Which way for wheat? I. The International Wheat Agreement. Nebr. Farmer 95(5):28, 70. Mar.7,1953. 6 N27

49652 HUISMAN. Potato trade and [agricultural] integration. (In Dutch.) Vakblad 7(7):7. Feb.13,1953. 286.28 V22
Netherlands.

49653 INDIA. DEPT. OF COMMERCIAL INTELLIGENCE AND STATISTICS. Annual statement of the foreign sea-borne trade of India for the five fiscal years ending 31st March, 1950. Volume I. Delhi,1952. 265.5 St2Aa

49654 INTERNATIONALER getreidehandelstag 1953. Ernährungsdienst 8(10):1,5-6. Jan.24,1953. 389.8 Er62

49655 IRELAND. CENTRAL STATISTICS OFF. Trade statistics of Ireland, year, 1952 and December, 1952. Dublin,1952. 48 p. 256.12 In2Tr

49656 JENSEN, T. S. Cattle export in 1952—and future prospects. (In Danish.) (Sum.) Andelsbladet 54: 145-148. Feb.12,1953. 280.28 An2

49657 KAFENGAUZ, B. B. The grain market in the twenties and thirties of the 18th century [from data of home customhouses). (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:459-510. 1952. 281.179 Ak12

49658 KASTNER, F. Zum problem der "wochennummer" Hollands. Eier-, Wild-, Geflügel- u. Honig-Markt 5(12):1-2. Jan.28,1953. 280.38 Ei3
Poultry products trade.

49659 KLEEMANN, C. W. Müssen wir honig einführen? Niedersächs. Bienenfr. 11:293-295. Nov.1952. 424.8 N552

49660 KOCH, E. Begriffsverwirrung am laufenden band. Obst u. Gemüse 5:94. Feb.5,1953. 286.83 Ob72
German fruit and vegetable trade.

49661 KOCH, E. Klarheit ist wahrheit. Obst u. Gemüse 5:2. Jan.8,1953. 286.83 Ob72
German fruit and vegetable trade.

49662 KOO, A. Y. C., and LIANG, C. C. The role of Japan in the intraregional trade of the Far East. Rev. Econ. & Statis. 35:31-40. Feb.1953. 251.8 R32
Includes farm products.

49663 LARICCIA, M. The International Wheat Agreement. (In Italian.) Alimentazione 3:26-30. Jan.1953. 389.8 AL45

49664 LAUGHTON, D. B. The market for cheese. Foreign Trade 13(323):6-7. Mar.7,1953. 286.8 C162
Venezuelan trade and prospects for Canadian imports.

49665 LÜCK. Durchbruch zur reinen grenzschleuse. (Sum.) Ernährungsdienst 8(10):6. Jan.24,1953. 389.8 Er62
Grain trade.

49666 MCGILL, R. Citrus industry asks free trade. Citrus Mag. 15(7):17,33. Mar.1953. 80 C498

49667 MALTA. CENTRAL OFF. OF STATISTICS. Shipping and aviation statistics of the Maltese Islands, year 1951. Valletta,1953. 53 p. 256.02 M29Sh

49668 MEIJER, H. Import and export problems of Brazil. (In Dutch.) Landbouwwereldnieuws 8:57-58. Jan.24,1953. 12 L237
Based on a report.

49669 MERINO, G. Import control to promote the revival of the Philippine tobacco industry. Philippines. Bur. Plant. Indus. Plant Indus. Digest 15(12):3-4,2. Dec. 1952. 25 P544P

49670 MEY, W. Ein neues internationales weizenabkommen in sicht? Verbraucher 7:52-53,56. Jan.31,1953. 280.28 K833

49671 MICHELSEN. Freiheit statt einengender vorschriften. (Sum.) Ernährungsdienst 8(10):1,5. Jan. 24,1953. 389.8 Er62
Grain trade.

49672 MILELLA, P. The American food import market. (In Italian.) Alimentazione 3(2):21-22. Feb. 1953. 389.8 AL45

49673 MORSE, T. D. Welcome to the International Wheat Agreement Conference. Washington,U. S. D. A., Off. Sec.,1953. 3 p. 1.91 A2M83
Remarks at opening plenary session of the Eleventh Session of the International Wheat Council, Washington, D. C., Jan. 30, 1953.

49674 MUIRHEAD, C. Will a tariff help us? Macdonald Farm J. 13(5):10-11. Jan.1953. 101 M144
Effect on Canadian agriculture.

49675 NIEHAUS. Agrarunion ohne dirigismus. (Sum.) Ernährungsdienst 8(10):6. Jan.24,1953. 389.8 Er62
In relation to the grain trade.

49676 OTTO, G. Französisch-Marokko und die deutsche wirtschaft. Obst u. Gemüse 5:18-19. Jan.8, 1953. 286.83 Ob72

49677 PAGES. Les exportations agricoles des Pays-Bas de 1948 à 1951. France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 80:308-312. Mar.1953. 281.8 F84

49678 PAGES. Les importations agricoles de la Grande-Bretagne de 1948 a 1951. France. Min. de l'Agr. Inform. Econ. et Statis. 79:289,291-294. Feb.1953. 281.8 F84

49679 PAGNON, R. Marseille et le commerce du riz. Marchés Colon. du Monde 9:752-753. Mar.7,1953. 286.8 M33

49680 PETERSEN, N. Uber 100 mill.kg dänische vorzugs-vollmilch für die US-truppe in Deutschland. Molk.- u. Käserei-Ztg. 4:225. Feb.19,1953. 44.8 M736

49681 PIELLARD, M. Le contrôle du conditionnement des produits de l'agriculture dans les Territoires d'Outre-Mer. Marchés Colon. du Monde 9:651-653. Feb.28,1953. 286.8 M33
Standardization of products for export.

49682 PORTUGAL. INSTITUTO NACIONAL DE ESTATISTICA. Anuário estatístico do ultramar 1950—1951. Annuaire statistique d'outre-mer. Lisboa,1952. 274 p. 264 F49An
Includes trade statistics.

49683 PRIESTER, H. E. Comentarios a un articulo sobre el comercio del azúcar. Dominican Repub. Sec. de Estado de Econ. y Com. Rev. 24:8-9. Sept./Oct. 1952. 280.9 D712
International.

49684 REBOUR, H. Répercussion d'une baisse des prix sur les fruits et primeurs d'exportation. Rev. Agr. de l'Afrique du Nord 51:112-113. Jan.30,1953. 80 R326

49685 REHWINKEL, E. Deutsche exportpolitik auf abwegen. Landwirtbl. Weser-Ems 100:247-248. Mar.5, 1953. 18 L2345

49686 REMPT, J. D. Australian apples on the European market. (In Dutch.) Vakblad 7(7):8. Feb.13,1953. 286.28 V22

49687 ROCKSTROH, W. Behördenfeldzug gegen endiviensalat. Obst u. Gemüse 5:96-98. Feb.5,1953. 286.83 Ob72
Disease transmission and trade in Germany.

49688 SCHWENGER, R. B. GATT-seventh session. Foreign Agr. 17:30-31. Feb.1953. 1.9 Ec7For
General Agreement on Tariffs and Trade.

49689 SEVEN million in peanuts. Foreign Trade 13 (322):2-8. Feb.28,1953. 286.8 C162
Brief signed articles on Canadian trade with various countries.

49690 SHAW, C. L. Rising imports into Canada causes concern among packers. West. Canner & Packer 45(3):63-64. Mar.1953. 286.83 W522
Canned fruit and vegetables.

49691 SIMO BOFARULL, J. La intervención de la almendra y la avellana. Inst. Agr. Catalán de San Isidro. Rev. 102:6-7. Jan.1953. 15 Sa5
Spanish trade.

49692 SKIDDING farm exports are multiple problem. Farm Mangt. 2(4):17-18,20-21. Mar.1953. 281.8 F2225

49693 SLOGTEREN, E. VAN. Door nog betere kwaliteit van onze tulpenbloemen naar een grotere export [Increased export through a better quality of our tulip flowers]. Inst. v. Phytopath. Lab. v. Bloembollenonderz. [Meded.] 93,11 p. May 1952. 90.17 L69

49694 SONNEMANN. Neues einführverfahren bei getreide. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 166. Jan.29,1953. 18 L2346

49695 SOUTH AFRICAN WOOL DISPOSALS ORGANIZATION. Annual report 1949-50. Parow,1952. 27 p. 286.3459 So82

49696 STEFANOVIC, R. Betrachtungen über den jugoslawischen obsthandel im jahre 1952. Obst u. Gemüse 5:16-18. Jan.8,1953. 286.83 Ob72

49697 SWEDEN. KOMMERSKOLLEGIUM. Handel; berättelse för år 1950 [Trade; report for the year 1950]. I. Stockholm,1952. 319 p. 257.3 St2Ha
Table of contents and some tables also in English.
Includes agricultural products.

49698 SWEDEN. KOMMERSKOLLEGIUM. Handel, berättelse för år 1951. Del II. Sveriges varuutförsel till olika länder [Commerce, report for the year 1951. Pt. II. Sweden's export to various countries]. Stockholm,1952. 116 p. 257.3 St2Ha
Includes farm products.

49699 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Importation of livestock. Hearing, 83d Cong., 1st sess., February 17, 1953. Washington,1953. 26 p.
Beef.

49700 VALIERE, M. Marseille et les productions algériennes. Marchés Colon. du Monde 9:725-727. Mar. 7,1953. 286.8 M33
Agricultural products trade.

49701 VANMEERHAEGHE, M. Le commerce extérieur du Congo Belge et du Ruanda-Urundi. Gent. Foire Internatl. Annu. Colon. 2:13-20. 1952. 280.9 G34

49702 VERBELEN, L. Nos exportations textiles en 1952. Monit. Textile 15(2):15,17-18. Feb.1953. 304.8 M74
Belgium.

49703 VERHAGE, A. J. Export 1952. A step in the right direction. (In Dutch.) Vakbl. v. de Bloemisterij 8; 29. Jan.23,1953. 80 V22
Flowers and plants.

49704 WIGHTMAN, V. F. French agriculture in 1952. Foreign Trade 13(324):20-24. Mar.14,1953. 286.8 C162
Trade.

49705 WILDE, L. O. J. DE. La part de l'agriculture dans les exportations du Congo en 1951. Gent. Foire Internatl. Annu. Colon. 2:21-24. 1952. 280.9 G34

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

49706 ANDERSON, M. R., and BRILL, G. D. 4-H food preparation. Minn. U. Agr. Ext. 4-H B. 32,35 p. June 1952. 275.29 M662M

49707 BRUSCHEK, F. Künstliche säuglingsernährung mit milchkonserven. L und E 5(12):8-9. Dec.1952. 389.8 Z34

49708 CAMPBELL, R. Better nutrition for babies. Food & Nutr. News 24(2):3. Nov.1952. 389.8 F7332

49709 CAMPBELL, R. Nutrition at the "not-quite" age. Food & Nutr. News 24(5):3. Feb.1953. 389.8 F7332

49710 CAMPBELL, R. Nutrition during pregnancy. Food & Nutr. News 24(1):3. Oct.1952. 389.8 F7332

49711 CAMPBELL, R. The young child's needs. Food & Nutr. News 24(3):3. Dec.1952. 389.8 F7332

49712 CARRASCO, E. O. Families cooperating for better nutrition. Philippine J. Home Econ. 4(2):6,12. Oct./Dec.1952. 321.8 P53

49713 COX, G. J. Protein and dental caries. Food & Nutr. News 24(1):1,4. Oct.1952. 389.8 F7332

49714 DENNING, H. L., and LOWENBERG, M. E. Eating and growing. Pa. State Col. Agr. Ext. L. 154,4 p. Dec.1952. 275.29 P38L

49715 DIAZ BARRIGA, J. Planteamiento y resolucion del problema de la nutricion popular. Medicina 33(669, sup.):17-19. Feb.10,1953. 448.8 M4693

49716 DICKINSON, R. Common-sense vegetarianism. Veg. News 32(279):19-21. Spring 1953. 389.8 V523

49717 ELWOOD, C. Foods can make you feel like a million! Washington,Better Nutr. Inst.,1952. 106 p. 389.1 EL8

49718 ERTEL, H. Falsche propheten. R. der Landfrau 4:25-26. Jan.22,1953. 18 L2347
Human nutrition.

49719 FENTON, F. Cooking frozen vegetables and fruits. N. Y. Agr. Col. Cornell Ext. B. 873,14 p. Feb. 1953. 275.29 N48E

49720 FRAZER, A. C. Diet and disease. Biscuit Maker & Plant Baker 4:22-23. Jan.1953. 389.8 B54

49721 GRAEFE, G. Die bedeutung der eiweissstoffe für die ernährung. R. der Landfrau 5:35-36. Jan.29, 1953. 18 L2347

49722 HARRIS, L. J. The mode of action of vitamin C. Nutr. Soc. Proc. 12:128-142. Ref. 1953. 389.9 N953
In man and animals.

49723 HARTOG, C. DEN, POSTHUMA, J. H., and HAAS, J. H. DE. Research on the nutrition of pregnant women in the Netherlands. (In Dutch.) Voeding 14:1-16. Ref. Jan.15,1953. 389.8 V85
English summary.

49724 KAMER, J. H. VAN DE, and WEIJERS, H. A. The diet in coeliac disease. Voeding 14:37-51. Jan.15, 1953. 389.8 V85
Includes discussion.

49725 KETCHUM, C. 4-H foods; lunch or supper. Project II. Mich. State Col. Agr. Ext. Club B. 30B,rev., 31 p. June 1952. 275.29 M58C

49726 KIDA, N. Studies on the perleche among schoolchildren. V. Nutritional survey on children of perleche. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:167-174. 1952. 389.9 J27

49727 KING, C. G. Foods and nutrition. Chem. & Engin. News 31:26-28. Jan.5,1953. 381 J825N

49728 KUWABARA, H., and BABA, N. Situation on living and nutrition of housewives. (In Japanese.) Jap. J. Nutr. 10:15-21. June 1952. 389.8 J27
English summary.

49729 LWAO, H., and MATSUNO, N. Nutrition survey on the war-stricken families, especially in the apartment-houses. (In Japanese.) Jap. J. Nutr. 10:94-97. Oct.1952. 389.8 J27
English summary.

49730 MACY, I. G. Importance of calories in the growth of children. N. Y. Acad. Sci. Ann. 56:122-126. Oct.10,1952. 500 N484

49731 MATSUNO, N. Calcium sources on nutrition survey. (In Japanese.) Jap. J. Nutr. 10:22-24. June 1952. 389.8 J27
English summary.

49732 MAYNARD, L. A. Important applications of our growing knowledge of nutrition. Assoc. Off. Agr. Chem. J. 36:38-44. Feb.15,1953. 381 As7
Man and animals.

49733 MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Chicken—broilers, fryers for family meals. Mo. Agr. Col. Ext. Folder 20,8 p. Aug.1952. 275.29 M69FoL

49734 MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Turkey by the piece. Mo. Agr. Col. Ext. Folder 17,8 p. Jan.1952. 275.29 M69FoL
Chiefly recipes and cooking hints.

49735 NETHERLANDS. VOEDINGSRAAD. VOORLICHTINGSBUR. Melk is nodig voor elk [Milk is necessary for you]! 's-Gravenhage,1952. 7 p. (Its Publicatie 113) 389.25 N383M
Recipes.

49736 NICOL, B. M. Protein in the diet of the Isoko tribe of the Niger Delta. Nutr. Soc. Proc. 12:66-69. 1953. 389.9 N953

49737 NISHIHARA, A., and others. Nutrition survey of fishermen. (In Japanese.) Jap. J. Nutr. 10:56-59. Aug.1952. 389.8 J27
N. Matsuno, T. Shimizu, F. Yokota, and H. Kainoo, joint authors.
English summary.

49738 OBERT, J. C. A study of the effect of certain management factors on nutritive values and pupil participation in the school lunch. (Abs.) J. Home Econ. 45:210. Mar.1953. 321.8 J82

49739 OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Outdoor cookery. Columbus,1952. 17 p. 275.29 Oh32Fo
4-H Club project.

49740 PATTON, M. B., and others. Working together for a better understanding of the nutrition of school children. J. Home Econ. 45:161-164. Mar.1953. 321.8 J82
E. S. Eppright, A. L. Marlatt, and M. L. Hathaway, joint authors.

49741 POLLACK, H. Therapeutic nutrition. Food & Nutr. News 24(4):1,4. Jan.1953. 389.8 F7332

49742 RADUSCH, D. Dental health begins with mother's diet. Nutr. News 16:9. Feb.1953. 389.8 N957

49743 ROBERTS, H. That overweight problem. Iowa State Col. Agr. Ext. Iowa Farm Sci. 7:141-143. Feb. 1953. 275.28 Io94
Reducing diet and essential foods.

49744 RONCAL, A. C. Divulgación de conocimientos sobre nutrición. Serv. Coop. Interamer. de Prod. de Aliment. Cart. 2,ed.2,various pagings. Jan.1952. 389.9 Se63

49745 ROSELL, J. M. L'alimentation bifidogène dans l'allaitement artificiel. Lait 33(321/322):7-14. Jan./Feb. 1953. 44.8 L143

49746 SEBRELL, W. H. Nutrition—past and future. (Excerpts.) Nutr. Rev. 11:65-68. Mar.1953. 389.8 N953

49747 SHERMAN, L. K., and WEISENHOFF, E. D. Public eating place sanitation. Conn. State Dept. Health. Conn. Health B. 67:37-44. Feb.1953. 449.7 C76C

49748 SINCLAIR, H. M. Nutritional oedema as observed in the famine in the western Netherlands. Voeding 14:30-36. Ref. Jan.15,1953. 389.8 V85

49749 SMERALDI, M. Distribution of milk in the elementary schools of Florence. (In Italian.) Alimentazione 3(2):23-26. Feb.1953. 389.8 AL45

49750 SULLIVAN, J. M. An evaluation of the school lunch program for grammar school children at Visitation School, Detroit, Michigan. East Lansing,1952. 58 p. 389.1 Su5
Thesis (M.S.) - Michigan State College of Agriculture and Applied Science.

49751 SWIFT, R. W. The importance of fat in the diet. N. Y. Acad. Sci. Ann. 56:4-15. Ref. Oct.10,1952. 500 N484

49752 TALLARICO, G. Recent progress in the science of nutrition. (In Italian.) Alimentazione 2:35-38. Jan.1952. 389.8 AL45

49753 TAMURA, E., and others. Effect of calcium on the physical development of children. (In Japanese.) Jap. J. Nutr. 10:35-43. Aug.1952. 389.8 J27
S. Kawada, Y. Takai, T. Tezuka, and T. Hayakawa, joint authors.
English summary.

49754 TEGNER, G. School lunches in a turmoil. (In Swedish.) Sunt Förnuft 33:40-42,58,60,62. Feb.1953. 280.8 Su7

49755 WOKES, F. Animal protein and vitamin B_{12}. Vegetarian (ser.10)1:6-7. Ref. Jan./Feb.1953. 389.8 V522
In human nutrition.

49756 WOLF, I., and LAMB, M. W. Is your "well-balanced" diet nutritious? Pract. Home Econ. 31(7):31, 43-45. Mar.1953. 321.8 H752

49757 WRIGHT, N. C. Practical nutrition programmes. Food & Agr. Organ. United Nations. United Kingdom. Rpt. 1950/51:58-74. Ref. 1951. 389.9 G795

49758 YAMAOKA, S. Studies on nutrition of athletes. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:183-186. 1952. 389.9 J27

49759 YOUNG, C. M. Reducing on a moderate fat diet. Farm Res. [N. Y. Sta.] 19:5. Jan.1953. 100 N48A

FOOD HABITS

49760 AYLWARD, F. The indigenous foods of Mexico and Central America. Nutr. Soc. Proc. 12:48-58. Ref. 1953. 389.9 N953
Food habits and nutrition surveys.

49761 BELL, M. The problem of changing established food habits. New Zeal. Dept. Health. Health 4(5,i.e.4):4. Dec.1952. 449.8 H342

49762 BOURNE, G. H. The food of the Australian aboriginal. Nutr. Soc. Proc. 12:58-65. 1953. 389.9 N953
Food habits.

49763 CAMPBELL, R. Food habits of school children. Food & Nutr. News 24(4):3. Jan.1953. 389.8 F7332
Suggested nutritional habits.

49764 DICKINS, D., and GILLASPIE, B. V. Menu patterns in the Delta Cotton Area. J. Home Econ. 45:169-173. Mar.1953. 321.8 J82

49765 EMMERT, E. B. A comparison of the food selected by children in nine Delaware schools serving both the national school lunch and the a la carte lunch. State College,1952. 34 p. 389.1 Em6
Thesis (M.S.) - Pennsylvania State College.

49766 LANTZ, E., and others. A study of food habits in New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1077, 7 p. Jan.1953. 100 N465
M. Hotopp, D. B. Hacker, and R. J. Grass, joint authors.

49767 SATO, C. Improvement in farmer's dietary habit. (In Japanese.) Nōrin Jihō 12(2):20-21. Feb.1953. 22.5 N772

49768 SINCLAIR, H. M. The diet of Canadian Indians and Eskimos. Nutr. Soc. Proc. 12:69-82. Ref. 1953. 389.9 N953
Food habits and nutritive value of foods consumed.

49769 WOODBURN, W. B. Dairy foods habits of California families studied. Dairy Foods Rev. 58(3):34-36. Mar.1953. 286.85 P11

NUTRITIVE AND VITAMIN CONTENT

49770 ANDERSON, E. E., FAGERSON, I. S., and FELLERS, C. R. Ascorbic acid retention in frozen concentrated and canned juices. Quick Frozen Foods 15(8): 171-173,352. Mar.1953. 389.8 Q4

49771 ASP, E., NOBLE, I., and GOMEZ, L. Thiamine and riboflavin retention in veal. Amer. Dietet. Assoc. J. 29:251-253. Mar.1953. 389.8 Am34

49772 BLACK, W. A. P. Seaweeds and their value in foodstuffs. Nutr. Soc. Proc. 12:32-39. Ref. 1953. 389.9 N953

49773 BROCHU, E. Le yogurt et votre santé. Foyer Rur. [Montreal] 12(4):7,18. Feb.1953. 7 F83

49774 CHANNON, H. J. Vitamins in margarine. Progress [London] 43(237):37-40. Winter 1952/53. 280.8 P949

49775 CHARLEY, V. L. S. Nutritional value of soft drinks and fruit juices. Bottler & Packer 27(2):148,150-154. Ref. Feb.1953. 390.8 B65

49776 COETZEE, W. H. K., and BURGER, I. J. Nutritive and health values of fresh fruit and fruit juices. Food Indus. So. Africa 5(10):27-29. Feb.1953. 389.8 F7372

49777 COLLINS, R. A., and others. Further studies on the folic acid and vitamin B_{12} content of cow's milk. J. Dairy Sci. 36:24-28. Jan.1953. 44.8 J822
R. E. Boldt, C. A. Elvehjem, and E. B. Hart, R. A. Bomstein, joint authors.

49778 DEBRIT, F. P. Étude de la vitamine B_6 dans le lait et les produits laitiers. Internatl. Z. f. Vitaminforsch. 24:331-345. Ref. 1952. 389.8 Z33
English summary.

49779 DECKERT. Vom wert der zitrone; der saft einer einzigen frucht deckt den vitamin-tagesbedarf des erwachsenen menschen. Übersicht 4:70-72. Jan.1953. 18 Ub3

49780 DIEMAIR, W., and SCHWINDLING-MANDERSCHEID, G. Der gehalt der ultra-violett bestrahlten milch an D-vitaminen. Milchwissenschaft 8:87-88. Mar. 1953. 44.8 M5933

49781 FONDARD, L. Sels minéraux, potassium et organisme humain. Bouches du Rhône Agr. 25(1091):10. (Cont.) Feb.1,1953. 14 B662

49782 HELLSTROM, V. Die haltbarkeit des vitamins C bei der zerkleinerung von rohen vegetabilien. Z. f. Vitamin-, Hormon- u. Fermentforsch. 5:98-113. Ref. Jan.5,1953. 384 Z324
English summary.

49783 INAGAKI, C., FUJIMAKI, M., and ODAGIRI, S. Studies on the vitamin C in canned mandarin orange. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:187-192. 1952. 389.9 J27

49784 KIEFERLE, F., SEUSS, A., and SCHRAUDY, E. Der gehalt der kuhmilch an tocopherol (vitamin E) im verlauf der lactation. Milchwissenschaft 8:57-62. Feb. 1953. 44.8 M5933
English summary.

49785 KÔGA, M., and MAYEDA, T. On the reliability of the table of weighted average nutritive components of the food groups. (In Japanese.) Jap. J. Nutr. 9:165-170. Mar.1952. 389.8 J27

49786 KRUMB, R. Der streit um den effekt der milchbestrahlung. Milchwissenschaft 8:88-89. Mar. 1953. 44.8 M5933

49787 LAMBRECHT, C. Fish is more nutritious than meat. (In Italian.) Alimentazione 2:26-34. Jan. 1952. 389.8 AL45

49788 LANGE, P. DE. The Vitamin C content of vegetables and potatoes. (In Dutch.) Voeding 14:16-23. Ref. Jan.15,1953. 389.8 V85
English summary.

49789 LARMOUR, R. K. What Canada can do for the rest of the world. Canad. Milling & Feed 34(3):21-22,24, 40. Mar.1953. 298.8 C162
Enriched flour.

49790 LÎASKOVSKAÎA, Î.Û., and IVANOVA, A. Vitamins in meat. (In Russian.) Mîasnaîa Indus. SSSR. 23(5): 47-51. Sept./Oct.1952. 50.8 M58

49791 MCDOWELL, A. K. R., and MCDOWALL, F. H. The vitamin A potency of New Zealand butter. J. Dairy Res. 20:76-100. Ref. Feb.1953. 44.8 J823

49792 MARTIN, E. A. The food value of milk and dairy products for human consumption. Indian Dairyman 5:11-14. Jan.1953. 44.8 In282

49793 OBERHELMAN, L., OSTERLE, E. C., and STECH, O. D. Vegetables that please. Purdue U. Agr. Ext. B. 357,7 p. Mar.1952. 275.29 In2E
Nutritive value.

49794 OSTALE TUDELA, E. Vitaminas A, B y C del tomate. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 54: 27-28. Nov.1952. 15 Sa7

49795 PANFILI, G. Food supply and meeting protein requirements: fish and fishing in the feeding of the populace. (In Italian.) Prog. Vet. 7:797-798,800,802-804,806. (Cont.) Dec.1,1952. 41.8 P942
Nutritive value of fish.

49796 PETERS, J. P. Interrelationships of foodstuffs. N. Y. Acad. Sci. Ann. 56:127-139. Oct.10,1952. 500 N484

49797 POURRAT B., H. Enriquecimiento de las harinas chilenas. Simiente 22:29-40. Ref. Jan./June 1952. 9.3 Si4

49798 RAMSBOTTOM, J. Mushrooms and toadstools. Nutr. Soc. Proc. 12:39-44. Ref. 1953. 389.9 N953
Nutritive value.

49799 RANDOIN, L., GUERILLOT, Q., and PERROTEAU, A. La valeur vitaminique de la bière. Indus. Agr. et Aliment. 70:31-40. Ref. Jan.1953. 383 As7
English summary.

49800 ROSSI LEMA, L. Consideraciones sobre la leche como alimento. Res 21:27814-27815. Feb.20,1953. 286.85 R31
Nutritive value.

49801 SAKURAI, J. I. Studies on the enrichment of white rice. IV. The enrichment of imported rice. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:174-176. 1952. 389.9 J27

49802 SHERWOOD, R. C. Vitaminierung von mehl in Canada. Müllerei 6:65-66. Jan.31,1953. 298.8 M91

49803 SPARAPANI, G. G. Eggs, giant cells. (In Italian.) Alimentazione 3:8-13. Jan.1953. 389.8 AL45
Nutritive value.

49804 TRENDTEL. Zur frage der vitaminierung der milch. Molk.-Ztg. 6:513-514. May 15,1952. 44.8 M735

49805 TROUT, G. M. Nutritive value of homogenized milk. South. Dairy Prod. J. 53(3):28-30. Mar.1953. 44.8 So83

49806 WERENSKIOLD, B. Table of the nutritive value of garden plants. (In Norwegian.) Kolonihagen 23: 46-47. Feb.1953. 80 K83

49807 WODSAK, W. Die haltbarkeit von vitamin A in mit vitamin A angereicherten lebensmitteln. Fette u. Seifen 55:32-34. Jan.1953. 384 C422

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

49808 ALMANAQUE agricola de El Salvador para el ano de 1953. San Salvador,1953. 53 p. 30.3 AL64

49809 ALMANAQUE agropecuario del Peru—1953. Lima,1953. 418 p. 9.8 AL6

49810 BORNHOLMS LANDØKONOMISKE FORENING. Beretning om virksomheden indenfor foreningen 1951-52 [Report on the activities of the Association 1951-52]. Rønne,1952? 26 p. 11 B64B

49811 BRACKETT, R. D. Rabbits: Australia's scourge and America's headache. Small Stock Mag. 37 (3):3-4. Mar.1953. 48.8 P442

49812 BRITISH HONDURAS. DEPT. OF AGRICULTURE. Report for the year ended 31st December, 1951. n.p.,1952. 14 p. 8 B773

49813 BRUCE, J. V., and KNOWLTON, G. F. Controlling bats. Utah. State Agr. Col. Ext. C. 176,2 p. Jan.1953. 275.29 Ut1

49814 CONSERVATION CONGRESS, RALEIGH, 1952. Conservation and development in North Carolina, being a transcript of prayers and papers delivered. Raleigh, 1952. 2 v. 279.9 C7633

49815 CUMMINS, J. E. The development of chemistry in Australia. Chem. & Indus. 10:204-210. Mar.7, 1953. 382 M31C
Includes chemistry in agriculture.

49816 DESSELMANN, P. Über biologische grundgesetz: was ist vererbung des geschlechts über kreuz? Thür. Kleintierzuchter 7:7-8,19-20. (Cont.) Jan.10-20, 1953. 49 T42

49817 ÊL'PINER, I. E. Ultrasonic vibrations and their utilization in biology. (In Russian.) Priroda 41(11): 109-114. Nov.1952. 410 P933

49818 EVANS, E. F. Plains wildlife and agriculture. Sowest. Crop & Stock 7(2):8-9,93-94. Feb.1953. 6 So8942

49819 FEDERATION OF MALAYA. DEPT. OF AGRICULTURE. Report for the years 1950 and 1951. Kuala Lumpur,1953. 71 p. 22.5 F31R

49820 FLORENSA, M. Enemigos del labrador; los roedores. Saragossa. Cám. Ofic. Sind. Agr. B. Mens. 54: 25-26. Nov.1952. 15 Sa7

49821 GAMMONS, C. C. Agriculture and industry, partners in food progress. St. Louis,Atlas Powder,1952. 16 p. 388 G14

49822 HADDOW, A., ed. Biological hazards of atomic energy; being the papers read at the conference convened by the Institute of Biology and the Atomic Scientists' Association, October, 1950. Oxford, Clarendon, 1952. 235 p. 444 H119

49823 HAWAII. BOARD OF COMMISSIONERS OF AGRICULTURE AND FORESTRY. Report; biennial period ending June 30, 1952. Honolulu,1952. 123 p. 25 H314Re

49824 HEJE, K. K. Landbruks-almanakk. Forkortet utgave [Farm almanac. Abbreviated edition] 1953, v. 60. 192,64 p. Oslo,1953. 11 H36

49825 HEJE, K. K. Lomme-almanakk for jordbrukere, skogbrukere, meierister og hagebrukere [Pocket almanac for farmers, foresters, dairy workers and gardeners] 1953, v. 61. Oslo,1953. 2 v. 11 H36L

49826 HITCHNER, L. S. Pesticides. Chem. & Engin. News 31:31-32. Jan.5,1953. 381 J825N

49827 ILLINOIS. DEPT. OF AGRICULTURE. Thirty-fifth annual report for the fiscal year beginning July 1, 1951, and ending June 30, 1952. Springfield,1952. 89 p. 2 IL6R

49828 ILLINOIS STATE ACADEMY OF SCIENCE. Forty-fourth annual meeting, Bloomington, May, 1951. Springfield,1952. 293 p. 500 IL6

49829 ILLINOIS UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Available publications, agriculture and home economics. Urbana,1953. 12 p. 275.29 IL62Av

Issued by the Agricultural Experiment Station and Extension Service.

49830 INDIANA. AGRICULTURAL EXPERIMENT STATION. Available station publications. Ind. Agr. Expt. Sta. List 18,10 p. Sept.1952. 100 In2Av

49831 INTERNATIONAL CONGRESS OF BIOCHEMISTRY, 2, Paris, 1952. Résumés des communications. Paris,1952. 510 p. 386.2 In84

49832 LHOSTE, J., and LEIBOVICI, C. Contribution à l'étude du "warfarine" raticide nouveau. Parasitica 8:143-149. 1952. 464.8 P21

49833 MADHYA PRADESH. DEPT. OF AGRICULTURE. The development and organization of the Department of Agriculture, M. P. Madhya Pradesh. Agr. Dept. B. 40,19 p. 1952. 22 C3332

49834 MAINE. DEPT. OF AGRICULTURE. Biennial report July 1, 1950 to June 30, 1952. Augusta,1952. 76 p. 2 M28R

49835 MANVILLE, R. H. The snakes of Michigan. Mich. State Col. Agr. Ext. B. 315,20 p. Ref. June 1952. 275.29 M58B

49836 MICHIGAN. DEPT. OF AGRICULTURE. Fifteenth biennial report for the fiscal years ending June 30, 1951 and June 30, 1952. Lansing,1952. 143 p. 2 M582

49837 MINNESOTA. DEPT. OF AGRICULTURE, DAIRY AND FOOD. Bulletin of information 1952. St.Paul,1952. 127 p. 44.9 M664

49838 MONTANA ACADEMY OF SCIENCES. Proceedings of the twelfth annual meeting, Bozeman, Montana, 1952. Bozeman,1952. 164 p. 500 M762

49839 MONTANA. STATE COLLEGE. EXTENSION SERV. List of available publications. Mont. State Col. Ext. C. 210,rev.,14 p. Feb.1953. 275.29 M76Ci

49840 NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. List of bulletins and circulars, College of Agriculture, University of Nebraska. Lincoln,1952. Various pagings. 275.29 N272Lid

49841 NETHERLANDS. MINISTERIE VAN LANDBOUW, VISSERIJ EN VOEDSELVOORZIENING. Verslag over de landbouw in Nederland over 1951 [Report on agriculture in the Netherlands for 1951]. Netherlands. Dir. van den Landb. Verslagen en Meded. 1,388 p. 1952. 12 N38

49842 NEW BRUNSWICK. DEPT. OF AGRICULTURE. Annual report for the year ended March 31st 1952. Fredericton,1952. 202 p. 7 N42

49843 NEW HAMPSHIRE. DEPT. OF AGRICULTURE. Report for the two years ending June 30, 1952. Concord, 1952. 86 p. 2 N45R

49844 NEW MEXICO. COLLEGE OF AGRICULTURE. EXTENSION SERV. Publications available for free distribution. State College,1952. 20 p. 275.29 N463Pu

Extension Service and Agricultural Experiment Station publications.

49845 NEW SOUTH WALES. STATISTICIAN. The official year book of New South Wales, No. 52. 1948-49. Sydney,1952. 1170 p. 271.1 St20

Includes agriculture.

49846 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. Annual report for the fiscal year ended March 31, 1952. Albany,1952. 192 p. (Legislative Document (1953) No. 18) 2 N482R

49847 NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. List of publications, 1953. N. Y. Agr. Col. Cornell Ext. B. 47,rev.,49 p. Feb.1953. 275.29 N48E

49848 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Destroy those rats. North. Ireland. Min. Agr. Mon. Agr. Rpt. 27:296-299. (Cont.) Feb.1953. 256.13 Ag82M

49849 NOVA SCOTIA. DEPT. OF AGRICULTURE AND MARKETING. Report for the year ended March 31, 1952. Halifax,1952. 148 p. 7 N85R

49850 OPHOF, A. J. Rat control also a task for farmers and gardeners. (In Dutch.) Pels en Pluim 7,i.e.8:2. Jan.9,1953. 47.8 P36

49851 OREGON. DEPT. OF AGRICULTURE. Biennial report for the period July 1, 1950, through June 30, 1952. n.p.,1952. 41 p. 2 Or3B

49852 OREGON. STATE COLLEGE. FEDERAL COOPERATIVE EXTENSION SERV. Agriculture and home economics bulletin list, December 1952. Corvallis, 1952. 8 p. 275.29 Or32Av

Oregon Agricultural Experiment Station cooperating.

49853 PENNSYLVANIA ACADEMY OF SCIENCE. Proceedings, volume XXVI. Lancaster,1952. 221 p. 500 P383

49854 PRATHER, E. E., and others. Production of bait minnows in the Southeast. Ala. Agr. Expt. Sta. C. 112,71 p. Jan.1953. 100 AL1S

J. R. Fielding, M. C. Johnson, and H. S. Swingle, joint authors.

49855 ROYAL CANADIAN INSTITUTE. Proceedings 1951/52. Toronto,1952. 67 p. 517 T63P

49856 SATO, T. New agricultural chemicals and how to use them. (In Japanese.) Nōrin Jihō 12(2):22-23. Feb.1953. 22.5 N772

49857 SCANDINAVIAN CONGRESS OF PATHOLOGY AND BACTERIOLOGY, 10, BERGEN, 1952. Transactions. Acta Path. et Microbiol. Scand. Sup. 93,435 p. 1952. 448.3 Ac8

49858 SEAGEARS, C. B. The story of conservation in New York. N. Y. Agr. Col. Ext. Cornell Rur. School L. 46(2),32 p. Fall 1952. 275.29 N48R

49859 SLATER, SIR W. K. The chemist and his work. IV. The chemist in agriculture. Roy. Inst. Chem. J. 77:4-7. Jan.1953. 382 In7

49860 SOCIETAS GEOGRAPHICA FENNIAE. Suomi; a general handbook on the geography of Finland. Rev. ed. Fennia 72,626 p. 1952. 511 H367

49861 TASMANIA. DEPT. OF AGRICULTURE. Annual report for 1951—52. Hobart,1952. 46 p. 23 T182R

49862 TEEL, G. P. A look at new farm chemicals. Co. Agent & Vo-Ag Teacher 9(3):32-33. Mar.1953. 275.28 N213

49863 UNION OF SOUTH AFRICA. DEPT. OF AGRICULTURE. Report of the Department of Agriculture for the year ended 31 August 1952. Farming So. Africa 27: 521-636. Dec.1952. 24 So842

49864 U. S. BUR. OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY. Report of the chief, 1951/52. Washington,1952. 80 p. 1 C42

49865 U. S. EASTERN REGIONAL RESEARCH LABORATORY. Publications and patents, January-June 1952. U. S. Bur. Agr. & Indus. Chem. AIC-320(sup.2),5 p. 1952? 1.932 A2Ag82

49866 U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents, January-June 1952. U. S. Bur. Agr. & Indus. Chem. AIC-319 (sup.2),26 p. 1952? 1.932 A2Ag82

49867 U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents, July-December 1951. U. S. Bur. Agr. & Indus. Chem. AIC-319 (sup.1),23 p. May 1952. 1.932 A2Ag82

49868 VADÉ, S. Le rat, un fléau a réduire sans merci. Vie à la Campagne 42:70-72. Feb.1953. 80 V67

49869 VERMOREL, V. Agenda agricole et viticole, 1953, soixante-huitième année. Villefranche-sur-Saône (Rhône),1953. 395 p. 14 V59

49870 VIRGINIA. DEPT. OF AGRICULTURE AND IMMIGRATION. DIV. OF CHEMISTRY. Fourth annual report of economic poisons for the year 1952. Richmond, 1953. 66 p. 391.9 V81

49871 WELLMAN, R. H. A review of considerations involved in the development of agricultural chemicals. Agr. Chem. 8(3):42-44,139,141-143. Mar.1953. 381 Ag8

49872 WESTFALISCHER bauernkalender, 1952. Hiltrup,1952. 151 p. 18 W524

HISTORY AND BIOGRAPHY

49873 ALEFIRENKO, P. K. Russian public opinion of the first half of the 18th century on agriculture. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:511-552. Ref. 1952. 281.179 Ak12

49874 BARANOVICH, A. I. Farming in the South of Volyn in the 18th century. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:411-458. Ref. 1952. 281.179 Ak12

49875 BEETLE, A. A. The contribution of Elias Emanuel Nelson to range management. J. Range Mangt. 6:84-85. Mar.1953. 60.18 J82

Includes list of his publications.

49876 BENEDETTI, A. Souvenir of Francesco Francolini. (In Italian.) Olivicoltura 8:3-4. Jan.1953. 80 OL42
Includes list of his publications.

49877 BLAVATSKII, V. D. Brief review of ancient agriculture in the Northern Black Sea Area. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1: 160-178. Ref. 1952. 281.179 Ak12

49878 BLISS, R. K. County—State—Federal partnership, an idea of Perry G. Holden. Ext. Serv. Rev. 24:21, 34. Feb.1953. 1 Ex892Ex
The establishment of demonstration farms.

49879 BLÜMFEL'D, O. A. From the history of the Moscow Society of Agriculture. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:617-630. 1952. 281.179 Ak12

49880 BOÏARSHINOVA, Z. Ï A. In regard to the development of Russian agriculture in Tomsk County in the 17th century. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:246-278. 1952. 281.179 Ak12

49881 BOSHART, K. Lorenz Hiltner. Z. f. Pflanzenbau u. Pflanzenschutz. Sonderh. 4,40 p. Oct.1952. 464.8 Z32
Includes list of his publications.

49882 BRANDT, C. A. Lester Rowntree: denizen of the mountains. Calif. Hort. Soc. J. 14:8-17. Jan.1953. 81 C1293

49883 BRODIE, H. J. René Vandendries 1874-1952. Mycologia 45:139-142. Jan./Feb.1953. 450 M99

49884 CARLETON, R. M., and others. A Titan [Dr. Liberty Hyde Bailey], so understanding. MEGA 13:11-20. Mar.1953. 90.32 M52B
Tributes given in celebration of Dr. Bailey's 96th birthday.

49885 CLOUGH, S. B., and COLE, C. W. Economic history of Europe. Ed. 3. Boston,Heath,1952. 917 p. 277.17 C62
Contains chapters on agriculture.

49886 DE WORMS, C. G. M. Gerald de Courcy Fraser. Entomologist 86:58. Feb.1953. 421 En8

49887 DOVZHENOK, V. I. In regard to the history of agriculture of Eastern Slavs of our millenium and in Russia of the Kiev Era. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:115-159. Ref. 1952. 281.179 Ak12

49888 DULOV, V. I. Agriculture of Tuvinians in the 19th and beginning of 20th centuries. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:302-321. Ref. 1952. 281.179 Ak12

49889 DURRELL, L. W. E. W. Bodine, 1906-1952. Phytopathology 43:60. Feb.1953. 464.8 P56

49890 ELEAZER, J. M. "Write your lesson in the field" said Seaman A. Knapp. Ext. Serv. Rev. 24:19,34. Feb.1953. 1 Ex892Ex

49891 FEDERLEY, H. Enzio Rafael Reuter†. (In Swedish.) Soc. pro Fauna et Flora Fenn. Memo. 27:170-180. 1950/51,pub.1952. 511 H365Me

49892 FRANZ, G. Eine bilderchronik aus dem bauernkrieg. Übersicht 3(12):16-19. Dec.1952. 18 Ub3

49893 GAÏSINOVICH, A. E. Biologist-sexagenarian, N. D. Nozhin, and his role in the development of embryology and Darwinism in Russia. (In Russian.) Zhur. Obshch. Biol. 13:377-392. Sept./Oct.1952. 442.8 Z6

49894 GUARD, S. R. Raised to farm work. Breeder's Gaz. 118(2):8,33. Feb.1953. 49 B74
Abraham Lincoln.

49895 GUSSOW, H. T. Otto Appel 1867-1952. Canad. Phytopath. Soc. Proc. 20:4-5. 1952,pub.1953. 464.9 C162

49896 HASE, A. Kurt Wolfgang Wolffhügel†. Z. f. Parasitenk. 15(5):I-VI. 1952. 442.8 Z33F

49897 HEUSER, O. E. Die landbauwissenschaft. Übersicht 4:41-46. Jan.1953. 18 Ub3
Historical development.

49898 HUTTLESTON, D. G. Eight famous plant hunters. Plants & Gard. 8:314-322. Ref. Winter 1952/53. 450 P694
Brief biographies of E. H. Wilson, R. Fortune, R. Farrer, G. Forrest, F. K. Ward, F. N. Meyer, J. F. Rock, and D. Fairchild, and some of the plants they introduced.

49899 JAMES Thomas Griffiths Edwards, D.Sc., M.R.C.V.S. Brit. Vet. J. 109:76-86. Feb.1953. 41.8 V643
Includes a list of his publications.

49900 KEITT, G. W. Luther Parris Byars, 1887-1950. Phytopathology 43:59-60. Feb.1953. 464.8 P56

49901 LABELLE, G. Bourgelat, les débuts de l'enseignement vétérinaire en France. Canad. J. Compar. Med. 17:67-78. Feb.1953. 41.8 C162

49902 LAVROV, L. I. Development of agriculture in North-Western Caucasus from the most ancient times to the middle of the 18th century. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:179-225. Ref. 1952. 281.179 Ak12

49903 LAWRENCE, G. H. M. L. H. Bailey—a report and a tribute. South. Florist & Nurseryman 66:107. Mar.20,1953. 80 So86

49904 LIBEROV, P. D. In regard to the history of agriculture of Scythian tribes of the Dnieper Area of the early Iron Age from the sixth to the second centuries before our era. (In Russian.) Akad. Nauk SSSR. Inst. Istorii Mater. po Istorii Zeml. 1:66-114. Ref. 1952. 281.179 Ak12

49905 MERKER, E. Robert Lauterborn zum gedächtnis. Allg. Forst- u. Jagdztg. 124:61-64. Jan.15,1953. 99.8 AL3
Includes a list of his publications.

49906 PENABAD FRAGA, M. Conciencia agricola: heroes y martires cayeron por la libertad politica. Tierra Libre 17(2):8. Feb.1953. 8 T443
Cuba.

49907 PETERSEN, A. Albrecht Daniel Thaer, eine kritische würdigung zu seinem 200. geburtstage. Deut. Akad. der Landwirtwiss. Sitzber. 1(4),25 p. 1952. 18 D4825

49908 PODDUBNAÏA-ARNOL'DI, V. A. P. A. Baranov (To the 60th anniversary of his birth). (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):88-90. 1952. 511 M85

49909 QUINTERO, A. La agricultura: base económica en el ideario de José Marti. Tierra Libre 17(2):9. Feb.1953. 8 T443

49910 RIOTTE, W. R. Der zauberer von Tuskegee. Übersicht 3(12):19-22,32-33. Dec.1952. 18 Ub3
George Washington Carver.

49911 SACHTLEBEN, H. Gestorben: Johannes Bastiaan Corporaal, Karel Sulc, George Talbot. Beitr. z. Ent. 2:527-528. Oct.1952. 421 B392

49912 SALVADOR YASCASO, J. M. El campo de la historia en la historia del campo. Saragossa. Cám. Ofic. Sind. Agr. Rev. Mens. 56:10;57:7-8. (Cont.) Jan.-Feb. 1953. 15 Sa7

49913 SEAVER, F. J. Gertrude Simmons Burlingham. 1872-1952. Mycologia 45:136-138. Jan./Feb.1953. 450 M99
Includes list of her publications.

49914 SHENNIKOV, A. P. In memory of Nikolai Adol'fovich Bush. (In Russian.) Bot. Zhur. 37:713-718. Sept./Oct.1952. 451 R923

49915 SHERSTOBOEV, V. N. Agriculture of the Northern Baikal Area in the 17-18th centuries. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:279-302. Ref. 1952. 281.179 Ak12

49916 SHEWELL, G. E. Brother Joseph Ouellet, C.S.V. 1869-1952. Canad. Ent. 85:79-80. Feb.1953. 421 C16

49917 SHUNKOV, V. I. "Experiment" in Siberian agriculture of the 17th century. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater.po Istorii Zeml. 1:226-245. Ref. 1952. 281.179 Ak12

49918 SIVKOV, K. V. Problems of agriculture in Russian periodicals of the last third of the 18th century. (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:553-613. Ref. 1952. 281.179 Ak12

49919 SLOBODIN, V. M. In regard to the development and change of agricultural systems (from the time of its origination on the territory of U.S.S.R. to the first millenium of our Era). (In Russian.) Akad. Nauk SSSR. Inst. Istorii. Mater. po Istorii Zeml. 1:9-65. Ref. 1952. 281.179 Ak12

49920 SOEHNER, E. Prof. Dr. Phil. Eberhard Ulbrich. Z. f. Pilzk. 13:28. Feb.1953. 450 Z352

49921 STANTON, T. R. John Milton Poehlman "oat man of the year." Natl. Oat Newslet. 3:8-9. Feb. 1,1953. 59.9 N217

49922 SUMANOV, E. Ï. Agronomical activity of N. L. Skalozubov. (In Russian.) Sovet. Agron. 11:76-78. Jan.1953. 20 So84

49923 TAMM. Kurt Opitz 75 jahre. Z. f. Acker- u. Pflanzenbau 95:361-362. Nov.1952. 18 J825

49924 TAYLOR, G. I. Obituaries. Sir William Dampier, F. R. S. Nature [London] 171:195-196. Jan.31 1953. 472 N21

49925 THOMAS, H. H. Prof. F. E. Weiss, F. R. S. Nature [London] 171:285-286. Feb.14,1953. 472 N21

49926 TURNER, L. Meet the new Secretary. Nation's Agr. 28(3):16-17. Mar.1953. 280.82 B89
Ezra T. Benson.

49927 VAN WAGENEN, J. Pioneers never die. Rur. New-Yorker 103:156,188-190. Mar.7,1953. 6 R88
Agricultural history with particular reference to settlements in New York State.

49928 WEISS, H. B. Thomas Say's home at New Harmony, Indiana. Ent. News [Philadelphia] 64:57-60. Mar.1953. 421 En88

49929 WOLF, A. A history of science, technology, and philosophy in the eighteenth century. Ed. 2, rev. by D. McKie. London,Allen & Unwin,1952. 814 p. (History of Science Library) 330 W83L
Includes agriculture and botany.

49930 WYLLIE, J. Thirty years' retrospect of Farm and College. Wye Col. Occas. P. 5,17 p. Oct.30,1952. 103 W970
Observations on agriculture in general.

49931 YASUI, K. Dr. Kenjirô Fujii (1866-1952). (In Japanese.) Bot. Mag. 65:1-2. Jan./Feb.1952. 450 B651

49932 ZALENSKII, O. V. Career of Pavel Aleksandrovich Baranov. (In Russian.) Bot. Zhur. 37:719-732. Sept./Oct.1952. 451 R923

HOME MANAGEMENT

49933 BARNARD, H. M. Clothes for the occasion. Clothing V. Mo. Agr. Col. Ext. 4-H Club C. 104,11 p. Jan.1952. 275.29 M69B

49934 BENTLEY, M. J. Lampshades for the making. Purdue U. Agr. Ext. B. 375,15 p. Sept.1952. 275.29 In2E

49935 BENTLEY, M. J. The way to a beautiful floor. Purdue U. Agr. Ext. B. 376,16 p. Oct.1952. 275.29 In2E

49936 BUTT, G. L. Mending clothes and household fabrics. N. Y. Agr. Col. Cornell Ext. B. 871,15 p. n.d. 275.29 N48E

49937 COLLOPY, M. Polish your periscope. Ext. Serv. Rev. 24:7. Jan.1953. 1 Ex892Ex
Public relations in home demonstration work.

49938 DEETER, V. J., and BENTLEY, M. J. Table lamps you can make! Purdue U. Agr. Ext. B. 379,8 p. Jan.1953. 275.29 In2E

49939 ERICSON, M. H. Cake decorating. N. Y. Agr. Col. Cornell Ext. B. 877,16 p. Jan.1953. 275.29 N48E

49940 FISHER, E. Accessories in your home. Mont. State Col. Ext. C. 241,5 p. July 1952. 275.29 M76Ci

49941 KIRCHNER, C. Slip covering your furniture. Minn. U. Agr. Ext. B. 269,16 p. June 1952. 275.29 M66S

49942 LUSK, M. S., and DICKERSON, L. B. Color in your hands. Colo. Agr. Col. Ext. C. 173-A,10 p. May 1952. 275.29 C71C
Reprinted from Washington State College Extension Service Bulletin 447.

49943 MCIVER, J. Socks and stockings. N. C. Agr. Col. Ext. Misc. Pam. 142,8 p.-folder. Dec.1952. 275.29 N811M

49944 SUMNER, L., and STOLL, F. Fasteners. Purdue U. Agr. Ext. B. 373,32 p. Nov.1952. 275.29 In2E

49945 U. S. EXTENSION SERV. Bibliography, State home demonstration leaders' workshop, Stillwater, Oklahoma January 20-30, 1953. Washington?1953. 4 p. 1.913 H2B47

49946 VAN SYCKLE, C. Consumer use and purchase of furniture in Flint, Michigan, 1951. Mich. Agr. Expt. Sta. Tech. B. 233,40 p. Oct.1952. 100 M58S

49947 VASOLD, M. A. You learn to knit. Mich. State Col. Agr. Ext. Club B. 59,12 p. Feb.1953. 275.29 M58C

49948 VASOLD, M. A. Your complete costume. Mich. State Col. Agr. Ext. Club B. 9E,rev.,12 p. Jan. 1953. 275.29 M58C

49949 WASMUTH, G., and WATERS, H. T. Living room lighting. W. Va. Agr. Col. Ext. Good Living Ser. 20(6),4 p. n.d. 275.29 W522G
Lamps and fixtures.

49950 WHISNANT, M. Let's make housekeeping easier. N. C. Agr. Col. Ext. Misc. Pam. 143,15 p. Dec. 1952. 275.29 N811M

49951 WOODWARD, M. 4-H family living Project I. Mich. State Col. Agr. Ext. Club B. 57,28 p. Apr.1952. 275.29 M58C
Home management.

INTERNATIONAL RELATIONS

49952 BLOBAUM, R. We need more farmer-diplomats. Iowa Agr. 51(5):10-11,18. Jan.1953. 6 Io9
International Farm Youth Exchange program.

49953 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. REGIONAL OFF. IN MEXICO. Que es y como trabaja la FAO. Dominican Repub. Sec. de Estado de Agr. Pecuaria y Colon. Agr. 42(198): 37-44. Oct./Dec.1952. 8 R323

49954 LAMBERT, H. R. Council of the FAO. Rur. Missions 85:4. Winter 1953. 281.28 Ag8

49955 STREET, T. E. FAO Council session. Foreign Agr. 17:36-37. Feb.1953. 1.9 Ec7For

METEOROLOGY

49956 BAUGHMAN, E. T. Old man weather. Natl. Live Stock Prod. 31(5):10,23. Mar.1953. 280.38 N21
Effects on agriculture.

49957 HAMILTON, E. L., REIMANN, L. F., and ANDREWS, L. A. Shock resistant lucite graduate. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Misc. Paper 9,2 p. Sept.1952. 1.9622 C2M68
Lucite cylinders in rain gages and procedure for the construction of similar graduates.

49958 PASTEUR, F. La pluie. Agr. Prat. 117:19-21. (Cont.) Jan.1953. 14 J82

49959 TEMELJKOVIC, N. Les éléments météorologiques en 1951 examinés au point de vue agricole dans les stations expérimentales de la Faculté d'Agriculture á Zemun, Crvenka et Radmilovac. (In Serbo-Croatian.) Belgrade. U. Poljoprivredni Fakul. God. 4:381-385. 1952. 106.6 B41
French summary.

PERSONNEL

49960 GILKISON, D. N. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1952-53. U. S. D. A. Agr. Handb. 50,225 p. Jan. 1953. 1 Ag84Ah

49961 REID, T. R. Scope of personnel management. Washington,U. S. D. A., Off. Personnel,1952. 5 p. 1.917 A2R27
Address, Atlanta Tam Leadership Institute, Atlanta, Dec. 4, 1952.

RESEARCH

49962 ARIZONA. AGRICULTURAL EXPERIMENT STATION. Annual report for the 63rd year ending June 30, 1952. Tucson,1952? 15 p. 100 Ar4

49963 BERETNING om faellesforsøg i landbo- og husmandsforeningerne [Report on the combined experiments of farm and smallholders associations], 1952. København,1953. 138 p. 11 B45

49964 BLUMKE. Das landwirtschaftliche versuchswesen in der praxis. Ausbild. u. Beratung in der Landwirt. 6:14-16,21. Jan.1953. 18 N11
Germany.

49965 BRESSLER, R. G., and TAYLOR, P. S. The workshop technique as a problem-solving process. Internatl. Conf. Agr. & Coop. Credit. Proc. 1:19-25. 1952. 284.29 In82

49966 CANADA. NATIONAL RESEARCH COUNCIL. Review 1952. Ottawa,1952. 271 p. 330.9 C16Re
Includes agricultural research.

49967 CHANOV, V. T., and KODANEV, I. Gorki State Complex Agricultural Experiment Station. (In Russian.) Kolkhoz. Proizvodstvo 13:57-59. Jan.1953. 281.8 K83

49968 CROSS, W. E. La Estación Experimental Agrícola de Tucumán de 1914 a 1946; trabajos e informes publicados. Buenos Aires,Salvat,1952. 714 p. 102.5 T79C
Includes a list of the author's publications.

49969 DEUTSCHE AKADEMIE DER LANDWIRTSCHAFTSWISSENSCHAFTEN, BERLIN. Die halle der wissenschaft; beiträge zur verbreitung wissenschaftlicher erkenntnisse. Leipzig,Landwirtschafts- und Gartenbau-Ausstellung der DDR,1952. 127 p. 33.27 D482

49970 ELLIS, L. S. The job ahead for agriculture. Ark. Agr. 31(3):4-5. Feb.1953. 276.8 Ar42
Potentialities through research.

49971 ELSUKOV, M. P. To adjust the system of planning research work in agriculture. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:18-23. Nov.1952. 20 D742

49972 FENSKE, T. H. Long-range agricultural research needed. Grain & Feed J. Consolidated 110(5):15,17. Mar.11,1953. 298.8 G762

49973 GROSZMANN, A. Agricultural research and experimentation. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(9):3-5. Sept.1952. 9.2 M663

49974 GUATEMALA. INSTITUTO AGROPECUARIO NACIONAL. Investigación Técnica abriendo nuevos horizontes an la agricultura de Guatemala; informe de las actividades del Instituto, julio 1o. de 1951 a junio 30 de 1952. Guatemala City,1952. 97 p. 102 G932
Text in English, p. 51-97.
Research activities.

49975 GUSTAFSSON, H. Halland's experimental farm Tönnersa. (In Swedish.) Lantmannen 37:171-174. Feb. 21,1953. 11 L234

49976 HUMMEL, C. I. Is research agriculture's new frontier? Farm Loan News [New York] 98:3-4. Feb. 1953. 284.28 F2262

49977 INDIAN AGRICULTURAL RESEARCH INSTITUTE. Scientific reports for the year ended 30th June, 1950. Delhi,1952. 101 p. 107.5 P97R

49978 KANSAS. AGRICULTURAL EXPERIMENT STATION. Sixteenth biennial report, July 1, 1950 to June 30, 1952. Manhattan,1953. 106 p. 100 K13S

49979 KHADZHIOLOV, A. I. Development of science in the People's Republic of Bulgaria. (In Russian.) Priroda 41(11):81-85. Nov.1952. 410 P933
Includes agricultural research.

49980 KUPREVICH, V. F. Accomplishments of scientists in Soviet Belorussia. (In Russian.) Priroda 41 (11):73-76. Nov.1952. 410 P933
Academy of Sciences of Belorussian SSR.

49981 MALIANI, C. Research at the Technical Agrarian Institute Nazareno Strampelli at Lonigo. (In Italian.) Genet. Agr. 3:156-164. Nov.30,1951. 450 G28
English summary.

49982 MISSOURI. AGRICULTURAL EXPERIMENT STATION. Agricultural research builds up new efficiency in farming; annual report of the Missouri Agricultural Experiment Station. Mo. Agr. Expt. Sta. B. 584,138 p. July 1952. 100 M693

49983 NEW MEXICO. AGRICULTURAL EXPERIMENT STATION. 63rd annual report, fiscal year ended June 30, 1952. State College,1952. 60 p. 100 N465

49984 NEW YORK (CORNELL) AGRICULTURAL EXPERIMENT STATION. Sixty-fifth annual report of the New York State College of Agriculture at Cornell University & the Cornell University Agricultural Experiment Station, 1952. Ithaca,1952. 117 p. 100 N48C

49985 NEW YORK (STATE) AGRICULTURAL EXPERIMENT STATION. Seventy-first annual report, 1952. Geneva,1953. 23 p. 100 N48

49986 OHIO. AGRICULTURAL EXPERIMENT STATION. 71st annual report, 1951/52. Ohio. Agr. Expt. Sta. B. 730,26 p. Feb.1953. 100 Oh3S

49987 PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer: supplement 3 to 64th annual report. Pa. Agr. Expt. Sta. B. 540(sup.3),11 p. June 1952. 100 P381

49988 PETITHUGUENIN, P. Les instituts autonomes de recherches et leur rôle dans le développement de l'agriculture d'Outre-Mer. Fruits 8:3-10. Jan.1953. 80 F9492

49989 PUKHAL'SKIĬ, A. V. Introduction of scientific achievements and leading practices into agricultural production--most important problem of scientific-research institutions. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:13-18. Nov.1952. 20 D742

49990 SÃO PAULO: INSTITUTO AGRÔNOMICO. Pesquisas e trabalhos experimentais em andamento [Outlines and experimental work in progress] 1952/53. Campinas,1953? 64 p. 9.2 Sa64P

49991 SAVOS'KIN, P. G. What do agriculturists expect of physiologists? (In Russian.) Selek. i Semen. 20: 43-45. Jan.1953. 61.9 Se5

49992 SERV. COOPERATIVO INTERAMERICANO DE AGRICULTURA. Informe anual, 1951-1952. Quito,1952. 90 p. 9.5 Se6
Research.

49993 SHAKIR'IANOV, S. SH. Twenty years of the Kamalinsk State Selection Station. (In Russian.) Selek. i Semen. 19(11):37-40. Nov.1952. 61.9 Se5
Field crop research.

49994 SHAW, B. T. We must break more ceilings. Agr. Res. [Washington] 1:3-4. Jan./Feb.1953. 1.98 Ag84
Higher yields by increasing quantity and quality of research.

49995 SLATER, SIR W. Research work in agriculture. Straight Furrow 12(4):5. Feb.1953. 281.8 St8
Great Britain.

49996 SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. Agricultural research in South Dakota; sixty-fifth annual report, 1951/52. Brookings,1952? 156 p. 100 So82

49997 SOUTHWEST RESEARCH INSTITUTE. Fourth annual report 1951. n.p.,1952? 44 p. 330.9 So85A
Includes agricultural research.

49998 SVINKIN, SH. B. Relation of science to production. (In Russian.) Dostizheniia Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 10:84-85. Oct.1952. 20 D742
Collaboration of Agricultural Experiment Station in Ivanovo Region with collective farms.

49999 UTAH. AGRICULTURAL EXPERIMENT STATION. Biennial report 1950-1952. Utah. Agr. Expt. Sta. B. 357,62 p. Dec.1952. 100 Ut1

50000 WEST VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Science serves your farm. W. Va. Agr. Expt. Sta. B. 357(2),16 p. Dec.1952. 100 W52

STATISTICS

50001 BANERJEE, D. P. On the moments of the multiple correlation coefficient in samples from normal population. Indian Soc. Agr. Statis. J. 4:88-90. 1952. 22 In292

50002 HOUSEMAN, E. E. Statistical treatment of the nonresponse problem. Agr. Econ. Res. 5:12-19. Jan.1953. 1 Ec7Agr

50003 INTER-AMERICAN STATISTICAL INSTITUTE. Progress report July 1, 1951—June 30, 1952. Estadística 10(37,sup.1):849-896. Dec.1952. 251.8 Es8

50004 IYER, P. V. K. Further contributions to the theory of probability distributions of points on a line. III. Indian Soc. Agr. Statis. J. 4:50-71. Ref. 1952. 22 In292

50005 LAL, D. N. On the test of a hypothesis concerning two independent frequency distributions. Indian Soc. Agr. Statis. J. 4:72-84. 1952. 22 In292

50006 MURTY, V. N. On a result of Birnbaum regarding the skewness of X in a bivariate normal population. Indian Soc. Agr. Statis. J. 4:85-87. 1952. 22 In292

50007 NAZARIO, L. A., and others. Recopilacion de estadisticas básicas para Puerto Rico. P. R. Dept. de Agr. y Com. Monog. 1,50 p. July 1952. 8 P963M
R. Goodman, C. O. Parker, and B. M. Morell, joint authors.
Includes methodology for setting up a program of agricultural statistics.

50008 SHAH, A. B. Polynomial expansion of a cumulant. Indian Soc. Agr. Statis. J. 4:91-93. 1952. 22 In292

50009 SUKHATME, P. V., and SETH, G. R. Non-sampling errors in surveys. Indian Soc. Agr. Statis. J. 4:5-41. Ref. 1952. 22 In292

50010 SUKHATME, P. V., and NARAIN, R. D. Sampling with replacement. Indian Soc. Agr. Statis. J. 4:42-49. 1952. 22 In292

50011 VOLIN, L. Agricultural statistics in Soviet Russia. Foreign Agr. 17:59-63. Mar.1953. 1.9 Ec7For

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Handbooks

MACLEAN, J. D. Preservative treatment of wood by pressure methods. U. S. D. A. Agr. Handb. 40, 160 p. Ref. Dec.1952. 1 Ag84Ah
Supersedes U. S. Department of Agriculture Miscellaneous Publication 224.

GILKISON, D. N. Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1952-53. U. S. D. A. Agr. Handb. 50,225 p. Jan. 1953. 1 Ag84Ah

U. S. BUR. OF DAIRY INDUSTRY. Federal and State standards for the composition of milk products. U. S. D. A. Agr. Handb. 51,8 p. Jan.1953. 1 Ag84Ah

Circulars

GEORGE, E. J. Tree and shrub species for the northern Great Plains. U. S. D. A. C. 912,46 p. Jan.1953. 1 Ag84C

Farmers' Bulletins

PHILLIPS, W. J., and POOS, F. W. The wheat strawworm [Harmolita grandis] and its control. U. S. D. A. Farmers' B. 1323,rev.,6 p. Mar.1953. 1 Ag84F

LUGINBILL, P., and CHAMBERLIN, T. R. Control of common white grubs in cereal and forage crops. U. S. D. A. Farmers' B. 1798,rev.,14 p. Feb. 1953. 1 Ag84F

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Land slugs and snails and their control. U. S. D. A. Farmers' B. 1895,rev.,8 p. Jan.1953. 1 Ag84F
Revision of an earlier edition of the bulletin written by W. H. White and A. C. Davis.

JOHNSON, E. W. Ornamental hedges for the southern Great Plains. U. S. D. A. Farmers' B. 2055,21 p Feb.1953. 1 Ag84F

Home and Garden Bulletins

WHITE, W. H., and DOOLITTLE, S. P. Vegetable gardeners' handbook on insects and diseases. U. S. D. A. Home & Gard. B. 23,30 p. Feb.1953. 1 Ag84Hg
Formerly Miscellaneous Publication 605.

Leaflets

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The elm leaf beetle [Galerucella xanthomelaena]. U. S. D. A. L. 184,rev.,4 p. 1953. 1 Ag84L
Revision of earlier edition by C. W. Collins.

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Control of mole crickets [Gryllotalpa hexadactyla]. U. S. D. A. L. 237,rev.,8 p. Feb.1953. 1 Ag84L

JACOBSON, P., and WEISS, W. Farming terraced land. U. S. D. A. L. 335,12 p. 1953. 1 Ag84L

Marketing Research Reports

JOHNSON, D. B. Marketing charges for oranges sold in Pittsburgh and Cleveland, 1949-50 season. U. S. D. A. Mktg. Res. Rpt. 27,40 p. Jan.1953. 1 Ag84Mr

SCHLENKER, A. A., and PARKER, E. J. Margins of fluid milk in the Duluth-Superior marketing area, 1947-48. U. S. D. A. Mktg. Res. Rpt. 32,55 p. Jan. 1953. 1 Ag84Mr

Program Aid

WARREN, G. L. Aids for observance of National 4-H Club events; National 4-H Club Week, Achievement Day. U. S. D. A. PA-214,24 p. Dec.1952. 1 Ag84Pro

U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your cotton investment. U. S. D. A. PA-215,4 p.-folder. Feb.1953. 1 Ag84Pro

U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your crop investment. U. S. D. A. PA-216,4 p.-folder. Feb.1953. 1 Ag84Pro

U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your flax investment. U. S. D. A. PA-217,4 p.-folder. Feb.1953. 1 Ag84Pro

U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your wheat investment. U. S. D. A. PA-219,4 p.-folder. Feb.1953. 1 Ag84Pro

U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your tobacco investment. U. S. D. A. PA-220,4 p.-folder. Feb.1953. 1 Ag84Pro

U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your bean investment. U. S. D. A. PA-221,4 p.-folder. Feb.1953. 1 Ag84Pro

U. S. PRODUCTION AND MARKETING ADMIN. School lunch recipes for main dishes and desserts. U. S. D. A. PA-222,9 p. Feb.1953. 1 Ag84Pro
U. S. Bureau of Human Nutrition and Home Economics cooperating.

Soil Survey Laboratory Memoranda

U. S. BUR. OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING. DIV. OF SOIL SURVEY. Field and laboratory data on some Podzol, Brown Podzolic, Brown Forest, and Gray Wooded soils in northern United States and southern Canada. U. S. D. A. Soil Survey Lab. Memo. 1,191 p. 1952. 1 Ag84Soi
Agricultural Experiment Stations of Connecticut, Idaho, Montana, Minnesota, Washington, and Wisconsin, and the Experimental Farm Service, Department of Agriculture, Canada cooperating.

Technical Bulletins

DILLMAN, A. C. Classification of flax varieties, 1946. U. S. D. A. Tech. B. 1064,56 p. Ref. Feb. 1953. 1 Ag84Te

DONNAN, W. W., and BRADSHAW, G. B. Drainage investigation methods for irrigated areas in western United States. U. S. D. A. Tech. B. 1065,45 p. Ref. Sept.1952. 1 Ag84Te

Unnumbered Publications

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. U. S. INTERAGENCY COMMITTEE. Agricultural programs of the United States, current and prospective. Washington,U. S. Dept. Agr., 1952. 64 p. 1.90 A2Ag833

U. S. DEPT. OF AGRICULTURE. 1953 production goals program; summer and fall vegetables for fresh market, summer melons, and vegetables for commercial processing. Washington,1953. 77 p. 1.90 A2P9434

U. S. DEPT. OF AGRICULTURE. 1952 materials survey, apparel wool. Washington,1952. Ref. 85 p. 1.90 A2On23
Foreign situation, consumption and trade.

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

SWERN, D., AULT, W. C., and MCCUTCHEON, J. W. A survey on research possibilities for animal fats. U. S. Bur. Agr. & Indus. Chem. AIC-346,58 p. Jan.1953. 1.932 A2Ag82

U. S. BUR. OF AGRICULTURAL AND INDUSTRIAL CHEMISTRY. Report of the chief, 1951/52. Washington,1952. 80 p. 1 C42

U. S. EASTERN REGIONAL RESEARCH LABORATORY. Publications and patents, January-June 1952. U. S. Bur. Agr. & Indus. Chem. AIC-320(sup.2),5 p. 1952? 1.932 A2Ag82

U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents, January-June 1952. U. S. Bur. Agr. & Indus. Chem. AIC-319 (sup.2),26 p. 1952? 1.932 A2Ag82

U. S. SOUTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents, July-December 1951. U. S. Bur. Agr. & Indus. Chem. AIC-319 (sup.1),23 p. May 1952. 1.932 A2Ag82

WEAVER, E. A., and others. Aerobic microbiological treatment of potato starch factory wastes. U. S. Bur. Agr. & Indus. Chem. AIC-350,8 p. Feb.1953. 1.932 A2Ag82
E. G. Heisler, N. Porges, M. S. McClennan, R. H. Treadway, W. W. Howerton, and T. C. Cordon, joint authors.

AGRICULTURAL ECONOMICS, BUREAU OF

AGRICULTURAL finance review 15,127 p. Nov.1952. 1.9 Ec78Af

BRODELL, A. P., STRICKLER, P. E., and WALLRABENSTEIN, P. P. Farm power and farm machines. U. S. Bur. Agr. Econ. F. M. 101,35 p. Feb.1953. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. The agricultural situation in relation to increased transportation charges, by B. S. White. Washington,1952. 8 p. 1.941 M2Ag83
Testimony presented at Denver, Oct. 29, 1952, in connection with proceeding on I. & S. No. M-4416, Transcontinental and Western Increases, 1952.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock and poultry inventory (as of January 1, 1953). Fargo,1953. 2 p. 1.941 H8L754

U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock report, January 1, 1953. Austin,1953. 2 p. 1.941 H8L7555
Also similar report issued from Helena.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Changes in the marketing pattern of Florida fresh oranges between prewar and postwar periods, by W. S. Hoffnagle. Washington,1952. 22 p. 1.941 M3C36

U. S. BUR. OF AGRICULTURAL ECONOMICS. Chicks placed weekly in important broiler areas in 1952. Washington,1953. 4 p. 1.941 H8C4322

U. S. BUR. OF AGRICULTURAL ECONOMICS. Commercial vegetable reports (formerly entitled commercial truck crop reports); 1953 release dates. Washington,1952. 7 p. 1.941 S8C73

U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop reports to be issued by the Crop Reporting Board in 1953. Washington,1952. 1 p. 1.9 Ec71Crt

U. S. BUR. OF AGRICULTURAL ECONOMICS. Distribution of U. S. food, cotton, and tobacco, July 1, 1951-June 30, 1952. Washington,1952. 18 p. 1.941 H8F73
U. S. Office of Foreign Agricultural Relations and U. S. Production and Marketing Administration cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Early spring lamb crop, 1953. Washington,1953. 2 p. 1.9 Ec742E

U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho wool production, 1952. Boise,1953. 2 p. 1.941 S8W88

U. S. BUR. OF AGRICULTURAL ECONOMICS. Milk production on farms and statistics of dairy plant products, 1952, by J. L. Wilson, and others. Washington, 1953. 46 p. 1.941 H2M593

U. S. BUR. OF AGRICULTURAL ECONOMICS. Mohair production and income, 1951 and 1952. Washington,1953. 1 p. 1.9 Ec71Mo

U. S. BUR. OF AGRICULTURAL ECONOMICS. Monthly egg production, 1951-52. Washington,1953. 14 p. 1.942 D22M76

U. S. BUR. OF AGRICULTURAL ECONOMICS. 1952 acreages and production with goal comparisons. Washington,1952. 10 p. 1.941 S2P943

U. S. BUR. OF AGRICULTURAL ECONOMICS. 1952 annual summary, vegetables for commercial processing; acreage, production and value, by States, with comparisons. Washington,1952. 17 p. 1.941 M8C73

U. S. BUR. OF AGRICULTURAL ECONOMICS. Sheep and lambs on feed, January 1, 1953. Washington, 1953. 2 p. 1.941 H8Sh32

U. S. BUR. OF AGRICULTURAL ECONOMICS. Snap bean marketing practices among Negro farmers in Louisiana, 1951 spring season, by F. C. Temple. Washington,1953. 35 p. 1.941 M3Sn1

U. S. BUR. OF AGRICULTURAL ECONOMICS. Wool and mohair production and income report, 1952. Portland,Oreg.,1953? 2 p. 1.941 H8F44

U. S. BUR. OF AGRICULTURAL ECONOMICS. Wool production and income, 1951-52, with revised estimates of price and cash receipts, by States, 1943-50. Washington,1953. 4 p. 1.9 Ec713Wp

U. S. BUR. OF AGRICULTURAL ECONOMICS. Young chickens, hens and pullets of laying age, potential layers and rate of lay on first of month on farms, 1951-53. Washington,1953. 5 p. 1.941 H8C432

AGRICULTURAL RESEARCH ADMINISTRATION

U. S. AGRICULTURAL RESEARCH ADMIN. Questions and answers on agricultural research in the United States. Rev. Washington,1953. 18 p. 1.98 Or32

WILLITS, C. O. New process increases maple sirup flavor. U. S. Agr. Res. Admin. Res. Achvt. Sheet 156(C),2 p. Feb.1953. 1.98 R31

ANIMAL INDUSTRY, BUREAU OF

ELLIS, N. R., and DAVIS, R. E. Bibliography on the use of molasses in livestock feeding. U. S. Bur. Anim. Indus. A. H. D. 151,11 p. Feb.1953. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. American breed record associations; swine. U. S. Bur. Anim. Indus. A. H. D. 6,rev.,2 p. Mar.1953. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. Chickens in NPIP hatchery supply flocks and their distribution by States and varieties 1941-42, 1950-51 and 1951-52. U. S. Bur. Anim. Indus. A. H. D. 69,rev.,4 p. Sept.1952. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. Manual of inspection procedures of the Meat Inspection Service of the United States Department of Agriculture. 1952 ed. Washington,1953. 188 p. 1 An52Ma

U. S. BUR. OF ANIMAL INDUSTRY. Recognized pullorum classes and digest of laws and regulations affecting the sale of hatching eggs, chicks and poults. U. S. Bur. Anim. Indus. A. H. D. 127,rev.,7 p. Feb.1953. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. Report of developments on eradication of vesicular exanthema. Washington? 1952. 5 p. (Report No. 1) 1.972 A2R297

U. S. BUR. OF ANIMAL INDUSTRY. Restrictions and requirements under which a special license may be issued for hog-cholera vaccine, modified live virus. Washington,1953? 1 p. 1.972 A2R316

U. S. BUR. OF ANIMAL INDUSTRY. State participation in the National Poultry Improvement Plan and the National Turkey Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 25,4 p. Oct.1,1952. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries and dealers participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 36(sup.3),8 p. Mar.12,1953. 1.9 An52Ah

DAIRY INDUSTRY, BUREAU OF

HODGSON, R. E. How dairymen can improve the quality and productivity of their pastures. U. S. Bur. Dairy Indus. BDI-Inf-147,9 p. Feb.1953. 1.973 D4B34

U. S. BUR. OF DAIRY INDUSTRY. Partial list of references on cream cheese and Neufchatel cheese. U. S. Bur. Dairy Indus. BDI-Inf-148,4 p. Mar.1953. 1.973 D4B34

Supersedes BDIM-Inf-60, Partial list of references on Neufchatel and cream cheese.

U. S. BUR. OF DAIRY INDUSTRY. Partial list of references on processed cheese and cheese spreads. U. S. Bur. Dairy Indus. BDI-Inf-68,rev.,4 p. Mar.1953. 1.973 D4B34

ENTOMOLOGY AND PLANT QUARANTINE. BUREAU OF

CONFERENCE ON COTTON INSECT RESEARCH AND CONTROL. Conference report, 6, Memphis, Tennessee, December 7-9, 1952. Memphis?U. S. Bur. Ent. & Plant Quar.,1952. 55 p. 1.967 A2C76

Thirteen cotton-growing States cooperating.

REDLINGER, L. M., and others. Evaluation of fumigants for shelled corn. U. S. Bur. Ent. & Plant Quar. E-855,11 p. Mar.1953. 1.9 En83

B. R. Wilson, R. T. Cotton, and H. H. Walkden, joint authors.

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Grasshopper infestation expected in 1953. Denver,1953. map. 1.967 A2G76

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. 1952 Japanese beetle [Popillia japonica] trap-scouting and control activities. Washington,1953. 4 p. 1.9 En86D

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine and inspection officials of the states, territories, District of Columbia, Canada, and Mexico. Washington?1953. 4 p. 1.967 D2P694

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the French colonies Guadeloupe, Guiana, and Martinique; importation of cacao, coffee, and sugarcane plants authorized. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 465(sup.3),2 p. Jan.26,1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of Switzerland. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 413,rev.(sup.2),1 p. Jan.23,1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Procedure for fumigation of freight carloads of bulk grain, using the forced-circulation method. Washington,n.d. 4 p. 1.967 A2P945

WILSON, H. G., ANDERS, R. S., and HUSMAN, C. N. Tests of several insecticides for the control of resistant house flies [Musca domestica]. U. S. Bur. Ent. & Plant Quar. E-854,9 p. Feb.1953. 1.9 En83

EXTENSION SERVICE

COLLINGS, M. L. Signposts in agricultural extension education. Washington,U. S. Ext. Serv.,1953. 7 p. 1.913 S2C69

Talk at State Home Demonstration Leaders' Workshop, Stillwater, Jan. 28, 1952.

PENNOCK, J. Population facts and health studies. Washington,U. S. Ext. Serv.,1952. 17 p. 1.913 A2P812

From papers presented at Conference of Extension Health Education Specialists, Denver, March 1952.

U. S. EXTENSION SERV. Bibliography, State home demonstration leaders' workshop, Stillwater, Oklahoma January 20-30, 1953. Washington?1953. 4 p. 1.913 H2B47

U. S. EXTENSION SERV. Significant dates in the history of cooperative extension work. Washington, 1953. 6 p. 1.913 A2Si22

U. S. EXTENSION SERV. Some good films. Washington,1952. 2 p. 1.913 M3So5

U. S. EXTENSION SERV. Some special farm labor activities of the cooperative extension service, by L. M. Vaughan. Washington,1952. 19 p. 1.913 A2So534

U. S. EXTENSION SERV. Tree-wound dressings. Washington,1952. 2 p. 1.913 F2T712

FARM CREDIT ADMINISTRATION

PRITCHARD, N. T. Fall premium milk pricing plans. U. S. Farm Credit Admin. C. C-147,39 p. Ref. Sept.1952. 166.2 C4923

ROBINSON, J. L. Using credit instruments. U. S. Farm Credit Admin. C. 16,slightly rev.,31 p. 1953. 166.2 C49

U. S. FARM CREDIT ADMIN. Agricultural credit conferences, by J. L. Robinson. Washington,1952. 9 p. 1.955 A2Ag834

U. S. FARM CREDIT ADMIN. Farm Credit Administration career program. Washington,1952? 3 p. 1.955 A2F222

U. S. FARM CREDIT ADMIN. Loans and discounts of lending institutions supervised by Farm Credit Administration. Washington,1952. 9 p. 166.2 M76

FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. Sales talk. Suggestions and materials for developing county crop insurance programs. Let's get moving on "multiple!" Washington,1952. 19 p. 1.952 Sa38

U. S. FEDERAL CROP INSURANCE CORPORATION. Sales talk. Suggestions and materials for developing county crop insurance programs. Something to think about! Washington,1952. 15 p. 1.952 Sa39

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

QUINTUS, P. E. Europeans look at American soybeans. Washington,U. S. Off. Foreign Agr. Relat.,1952. 6 p. 1.949 Q4

Summary of remarks at annual convention of the American Soybean Association, Lafayette, Ind., Sept. 9, 1952.

RIDDELL, G. E., and HECKMAN, J. H. Buying and selling by cooperatives in Europe. U. S. Off. Foreign Agr. Rpt. 51,slightly rev.,73 p. Jan.1953. 1.943 F763

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. The cotton situation in Europe, by F. H. Whitaker. Washington,1953. 3 p. 1.943 C825

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. Published information on agriculture in foreign countries, January 1937-December 1952. Washington,1953. 59 p. 1.943 In3

FOREST SERVICE

BROWNE, F. L. Plastic or mastic coverings for exterior walls of houses. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1937,3 p. Dec.1952. 1.9 F761R

DROW, J. T. Strength of western larch [Larix occidentalis] and its suitability for poles. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1758,rev.,3 p. Dec.1952. 1.9 F761R

GERRY, E. Mancono "Philippine lignumvitae" Philippine iron wood, Xanthostemon verdugonianus Naves, family: Myrtaceae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1936,4 p. 1952. 1.9 F761R

HOLCOMB, C. J., and BICKFORD, C. A. Growth of yellow-poplar [Liriodendron tulipifera] and associated species in West Virginia, as a guide to selective cutting. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 52,28 p. Ref. 1952. 1.9622 N2St22

KELLICUTT, K. Q., LANDT, E. F., and SETTERHOLM, V. C. Basic design data for the use of fiberboard in shipping containers; box strength calculator. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1911-A,9 p. Dec.1952. 1.9 F761R

PETERSON, R. A. Comparative effect of seed treatments upon seedling emergence in seven browse species. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 114,11 p. Jan.1953. 1.9622 N3R31

U. S. FOREST SERV. Fish stream improvement handbook, by M. A. Gee. Washington? 1952. 21 p. 1.9 F76Fis

U. S. FOREST SERV. CALIFORNIA FOREST AND RANGE EXPERIMENT STATION. Area and ownership of forest land in Humboldt County, California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 16,23 p. Nov.1952. 1.9 F7626F

U. S. FOREST SERV. CALIFORNIA FOREST AND RANGE EXPERIMENT STATION. Staff publications, California Forest and Range Experiment Station, 1952, by D. H. Vinther. Berkeley,1953. 6 p. 1.9 F7626St

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. A hundred definitions pertaining to wood and other forest products. U. S. Forest Serv. Forest Prod. Lab. Tech. Note 240,rev.,11 p. Dec.1952. 1.9 F761

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Methods of determining the specific gravity of wood. U. S. Forest Serv. Forest Prod. Lab. Tech. Note B-14,rev.,4 p. Dec.1952. 1.9 F761

U. S. FOREST SERV. NORTHERN ROCKY MOUNTAIN FOREST & RANGE EXPERIMENT STATION. Forty-second annual report for the calendar year 1952. Missoula,1953? 52 p. 1.9 F7628An

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST EXPERIMENT STATION. Volume tables for lodgepole pine in Oregon & Washington, based on diameter, height & form, by F. A. Johnson. Portland,1952. 32 p. 1.9622 P2V88

WHELAN, D. E., MILLER, L. E., and CAVALLERO, J. B. A method of determining surface run-off by "routing" infiltrated water through the soil profiles. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 54,15 p. 1952. 1.9622 N2St22

INFORMATION, OFFICE OF

RIDGELL, P. A diagnosis of common cinematic troubles; their probable causes and suggested methods for correction. Washington,U. S. D. A., Off. Inform., Motion Picture Serv.,1953. 11 p. 1.914 M2D54
Prepared for the Motion Picture Work Conference, January 26-29, 1953.

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Abridged list of federal laws applicable to agriculture. Washington,1953. 27 p. (Document 2). 1.914 A2Ab82

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. MOTION PICTURE SERV. U. S. Department of Agriculture films for television. Washington,1953? 5 p. 1.914 M2Un33

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. RADIO AND TELEVISION SERV. Television report; section III—program methods, by M. A. Speece, A. F. Skelsey, and K. M. Gapen. Washington? 1953. 36 p. 1.914 R2T232

LIBRARY

U. S. DEPT. OF AGRICULTURE. LIBRARY. Available bibliographies and lists. U. S. D. A. Libr., Libr. List. 25,rev.,1 p. Jan.1953. 1.916 L612

PERSONNEL, OFFICE OF

REID, T. R. Scope of personnel management. Washington,U. S. D. A., Off. Personnel,1952. 5 p. 1.917 A2R27
Address, Atlanta Tam Leadership Institute, Atlanta, Dec. 4, 1952.

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

DUNCAN, C. G. Soil-block and agar-block techniques for evaluation of oil-type wood preservatives: creosote, copper naphthenate and pentachlorophenol. U. S. Bur. Plant Indus., Soils & Agr. Engin. Forest Path. Spec. Release 37,39 p. Ref. Jan.1953. 1.965 F3F76

HARDING, P. L., and others. The effect of prestorage treatments and storage temperatures on the keeping quality of Florida grapefruit at Orlando, Florida, and New York City, N. Y., 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 285,28 p. Dec. 1952. 1.9 P772Ht
B. A. Friedman, M. B. Sunday, J. Kaufman, and H. W. Hruschka, joint authors.

HARRADINE, F. F., and others. Soil survey, Coalinga area, California. U. S. Bur. Plant Indus., Soils & Agr. Engin. Soil Survey 1944(1),91 p. Ref. Dec.1952. 1 So32F

HARVEY, E. M., and others. Terminal market storage tests on California lemons, 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 284,15 p. Nov.20,1952. 1.9 P772Ht
B. A. Friedman, E. P. Atrops, W. A. Radspinner, J. H. Scanlon, and M. Bunda, joint authors.

LEIGHTY, W. J., and WYATT, C. E. Soil survey, Graves County, Kentucky, revised by R. C. Jurney. U. S. Bur. Plant Indus., Soils & Agr. Engin. Soil Survey 1941(4),139 p. Ref. Jan.1953. 1 So32F

SMITH, W. L., and HALLER, M. H. Postharvest decay control of peaches in 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 273, 12 p. Jan.1953. 1.9 P772Ht

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Directions for fertilizing shade trees, by C. May. Rev. Beltsville,1952. 2 p. 1.965 F3D62

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Dogwood [Cornus] diseases in the East, by C. May. Beltsville,Md.,1952. 4 p. 1.965 F3D67

PRODUCTION AND MARKETING ADMINISTRATION

CALIFORNIA. STATE PMA COMMITTEE. 1951 annual report, PMA farm programs. Oakland,U. S. Prod. & Mktg. Admin.,1953. 57 p. 1.42 W52An

COLORADO. STATE PMA COMMITTEE. The 1953 agricultural conservation program for Colorado. Denver,U. S. Prod. & Mktg. Admin.,1952. 65 p. 1.42 Ad4Acb

U. S. PRODUCTION AND MARKETING ADMIN. Agricultural conservation program; maps 1951. Washington,1952. 61 p. 1.956 F45Ag8

U. S. PRODUCTION AND MARKETING ADMIN. Carlot shipments of fresh fruits and vegetables by commodities, states, counties and stations, including boat shipments reduced to carlot equivalents. Washington, 1952. 56 p. 1.9 Ec741Csf

U. S. PRODUCTION AND MARKETING ADMIN. Cottonseed; methods of chemical analysis and grade calculations approved by the director, Cotton Branch, Production and Marketing Administration. Rev. Washington,1952. 22 p. 1.9422 G33C82

U. S. PRODUCTION AND MARKETING ADMIN. Data relating to the marketing of California-Arizona oranges, seasons 1933-34 to 1950-51. Washington,1953. 32 p. 1.956 F94D26

U. S. PRODUCTION AND MARKETING ADMIN. Deciduous fruits. Washington,1952. 8 p. 1.956 F94D352

U. S. PRODUCTION AND MARKETING ADMIN. Historical background honey price support operations of the U. S. Department of Agriculture since World War II. Washington,1952? 3 p. 1.956 A2H62

U. S. PRODUCTION AND MARKETING ADMIN Hybrid onion varieties. Washington,1952. 11 p. 1.956 A2H99

U. S. PRODUCTION AND MARKETING ADMIN Independent grocers tell about assistance from their wholesalers, by M. Kriesberg, J. C. Bouman, and R. W. Hoecker. Washington,1953. 4 p. 1.956 M343In2

U. S. PRODUCTION AND MARKETING ADMIN. Light air-cured tobacco market review. II. Type 32-Maryland (1952 season). Washington,1953. 10 p. 1.9 Ec714T

U. S. PRODUCTION AND MARKETING ADMIN. List of plants operating under the poultry and poultry products, inspection and grading programs; supplement No. 1. Washington,1953. 9 p. 1.956 P86L692

U. S. PRODUCTION AND MARKETING ADMIN. Loss and damage in rail transportation of dressed beef, by P. L. Breakiron. Washington,1952. 26 p. 1.956 M343L892

U. S. PRODUCTION AND MARKETING ADMIN. 1951 agricultural conservation program; report on conservation materials and services furnished. Washington, 1952. 66 p. 1.956 F45R29

U. S. PRODUCTION AND MARKETING ADMIN. Official standard grades for burley tobacco (U. S. type 31). Washington,1952. 9 p. 1.9 Ec792Tb

U. S. PRODUCTION AND MARKETING ADMIN. A plan for further development of the Connecticut Regional Market at Hartford. Washington,1953. 7 p. 1.956 M343P69

U. S. PRODUCTION AND MARKETING ADMIN. Policy of the United States Government with respect to rice; paper prepared for use at FAO Rice Meeting at Bangkok, Thailand, beginning January 5, 1953. Washington,1952? 11 p. 1.956 G76P75

U. S. PRODUCTION AND MARKETING ADMIN. Prepackaging Thompson Seedless grapes in cellophane bags in retail stores, by R. L. Hawes, M. E. McGaha, and D. R. Stokes. Washington,1953. 8 p. 1.956 F94P91

U. S. PRODUCTION AND MARKETING ADMIN. Price support handbook, by S. N. Gubin. Washington, 1952. 42 p. 1.956 P93P93

U. S. PRODUCTION AND MARKETING ADMIN. Purchases and dispositions of dairy products by U. S. Department of Agriculture calendar year 1952 and summary of purchases and sales of dairy products acquired under price support programs January 1949-December 1952. Washington,1953. 10 p. 1.956 A2P973

U. S. PRODUCTION AND MARKETING ADMIN. School lunch and food distribution programs, selected statistics, fiscal years 1939-50. Supplement. Washington, 1952. 8 p. 1.956 F732Sch6

U. S. PRODUCTION AND MARKETING ADMIN. Sizes of consumer packages used for prepackaged tomatoes; trays and window cartons. Washington?1952? 4 p. 1.956 A2Si9

U. S. PRODUCTION AND MARKETING ADMIN. Statistics of the United States honey industry. Washington,1953. 11 p. 1.956 F94St25

U. S. PRODUCTION AND MARKETING ADMIN. Summary of fiber and spinning test results for some varieties of cotton grown by selected cotton improvement groups, crop of 1952. Washington,1953. 33 p. 1.956 C82Su6

U. S. PRODUCTION AND MARKETING ADMIN. Summary of the principal changes being made in the official standard grades for burley tobacco (U. S. type 31). Washington,1952. 6 p. 1.956 T55Su62

U. S. PRODUCTION AND MARKETING ADMIN. Total receipts of butter at Chicago, Illinois for year 1952. Chicago,1953? 2 p. 1.9422 D8T64
Also receipts of cheese, dressed poultry, live poultry, eggs, and frozen eggs at Chicago; butter, cheese, eggs, dressed poultry at Los Angeles; butter at Atlanta; and fluid milk at Philadelphia.

U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for Florida tangerines. Washington,1952. 11 p. 1.956 A2Un3246

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned carrots. Washington,1953. 12 p. 1.9 Ec792Car
Supersedes standards in effect since Aug. 27, 1949.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned green beans and canned wax beans. Washington,1953. 16 p. 1.956 A2Un328
Supersedes standards in effect since July 16, 1951.

U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for mustard greens and turnip greens. Washington,1953. 3 p. 1.9 Ec74Mg

U. S. PRODUCTION AND MARKETING ADMIN. U. S. standards for pineapples. Washington,1953. 3 p. 1.956 A2Un3245
Supersede standards issued Dec. 4, 1931 and Oct. 27, 1931.

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for shelled pecans. Washington, 1952. 11 p. 1.9 Ec74Pecs

U. S. PRODUCTION AND MARKETING ADMIN. Wholesale marketing of produce in the Beckley, W. Va., area, by T. D. Johnson and H. Evans. Washington,1952. 18 p. 1.956 M343W6227

U. S. PRODUCTION AND MARKETING ADMIN. DAIRY BR. Compilation of statistical material concerning the proposed marketing agreement and order for the central Arkansas, marketing area. Washington,1952. 26 p. 1.956 D14C7325

U. S. PRODUCTION AND MARKETING ADMIN. MARKETING AND FACILITIES RESEARCH BR. Recent publications. Washington,1952. 5 p. 1.956 M343R243

RURAL ELECTRIFICATION ADMINISTRATION

RAUSHENBERGER, E. J. The application of internal combustion generating units in the rural electrification program. Washington,U. S. Rur. Electrif. Admin., 1952. 7 p. 1.933 R19
Presented at the Oil & Gas Power Conference, Buffalo, June 26, 1952 of the American Society of Mechanical Engineers.

U. S. RURAL ELECTRIFICATION ADMIN. Report on Southeast Area Interim Field Conference, Chattanooga, Tennessee, Oct. 22-24, 1952. Washington? 1952. 20 p. 1.933 R264

U. S. RURAL ELECTRIFICATION ADMIN. REA specification for parallel conductor drop wire. U. S. Rur. Electrif. Admin. Specif. PE-7,9 p. Aug.1952. 1.933 Sp38

U. S. RURAL ELECTRIFICATION ADMIN. Specifications for secondary swinging clevises. U. S. Rur. Electrif. Admin. Specif. D-6,2 p. Sept.1952. 1.933 Sp37

U. S. RURAL ELECTRIFICATION ADMIN. Specifications for service swinging clevises. U. S. Rur. Electrif. Admin. Specif. D-7,2 p. Sept.1952. 1.933 Sp37

SECRETARY, OFFICE OF

BENSON, E. T. Progress and new hope for the Nation. Washington,U. S. D. A., Off. Sec.,1953. 12 p. 1.91 A2B44
Address, annual meeting, Central Livestock Association, Inc., St. Paul, Feb. 11, 1953.

MORSE, T. D. Welcome to the International Wheat Agreement Conference. Washington,U. S. D. A., Off. Sec.,1953. 3 p. 1.91 A2M83
Remarks at opening plenary session of the Eleventh Session of the International Wheat Council, Washington, D. C., Jan. 30, 1953.

U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. A national program for more efficient use of fertilizer and lime. Washington,1952. 8 p. 1.91 A2N212

SOIL CONSERVATION SERVICE

KELLOGG, C. E. The soil conservation job: the public's responsibility. Washington,U. S. Soil Conserv. Serv., 1953. 22 p. 1.965 S6K29
Address before the Farm Forum, Minneapolis, Mar. 17, 1953.

SALTER, R. M. Soil conservation and improved soil management practices. Washington,U. S. Soil Conserv. Serv.,1952. 7 p. 1.965 A2Sa3
Talk before the National Agricultural Credit Committee, Federal Reserve Bank of Chicago, Sept. 22, 1952.

SALTER, R. M. Wildlife and our soil conservation objectives. Washington,U. S. Soil Conserv. Serv.,1953. 8 p. 1.965 A2Sa3
Talk, Eighteenth North American Wildlife Conference, Washington, D. C., Mar. 10, 1953.

U. S. SOIL CONSERVATION SERV. Our remaining land; we can use it and save it. Rev. Washington,1953. 12 p. 1 Ag84Ai

U. S. SOIL CONSERVATION SERV. Progress of SCS work with soil conservation districts and with ACP participants. Washington,1952. 3 p. 1.96 Op2Pro

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

DANNER, M. J. Livestock marketing agencies in Alabama. Ala. Agr. Expt. Sta. B. 284,39 p. Dec.1952. 100 AL1S

MAYTON, E. L., and ROY, K. B. Cotton-dairy farming in Alabama's Piedmont. Ala. Agr. Expt. Sta. C. 111,23 p. Dec.1952. 100 AL1S

PRATHER, E. E., and others. Production of bait minnows in the Southeast. Ala. Agr. Expt. Sta. C. 112, 71 p. Jan.1953. 100 AL1S

J. R. Fielding, M. C. Johnson, and H. S. Swingle, joint authors.

Arizona Agricultural Experiment Station, Tucson

BARR, G. W., and SELTZER, R. E. Arizona agriculture 1953; production, income, and costs. Ariz. Agr. Expt. Sta. B. 245,18 p. Jan.1953. 100 Ar4

ARIZONA. AGRICULTURAL EXPERIMENT STATION. Annual report for the 63rd year ending June 30, 1952. Tucson,1952? 15 p. 100 Ar4

Arkansas Agricultural Experiment Station, Fayetteville

SMITH, R. M. Broiler feeding trials. Ark. Agr. Expt. Sta. B. 529,35 p. Ref. Jan.1953. 100 Ar42

WARE, J. O., and WADDLE, B. A. Southwest Arkansas cotton variety test for 1952. Ark. Agr. Expt. Sta. Mimeog. Ser. 12,6 p. Feb.1953. 100 Ar42M

WARE, J. O., and HUGHES, C. East-central Arkansas cotton variety tests for 1952. Ark. Agr. Expt. Sta. Mimeog. Ser. 13,9 p. Feb.1953. 100 Ar42M

California Agricultural Experiment Station, Berkeley

HOOS, S., and BOLES, J. N. Oranges and orange products; changing economic relationships. Calif. Agr. Expt. Sta. B. 731,68 p. Jan.1953. 100 C12S
Demand characteristics and changes in marketing.

HOOS, S., and BOLES, J. N. Oranges and orange products; changing economic relationships. Calif. Agr. Expt. Sta. B. 731(statis. sup.),70 p. Sept.1952. 100 C12S

CALIFORNIA agriculture 7(1),16 p.;(2),16 p. Jan.-Feb.1953. 100 C12Cag

Connecticut (State) Agricultural Experiment Station, New Haven

BEARD, R. L. The toxicology of Habrobracon venom: a study of a natural insecticide. Conn. (State) Agr. Expt. Sta. B. 562,27 p. Ref. Dec.1952. 100 C76St

Florida Agricultural Experiment Station, Gainesville

SAVAGE, Z. Twenty years of citrus costs and returns in Florida, 1931-1951. Fla. Agr. Expt. Sta. AE Ser. 53-4,26 p. Feb.1953. 281.9 F663

KIMMEL, D. C. Use of citrus products in Meridian, Mississippi, households, spring of 1951. Fla. Agr. Expt. Sta. B. 509,56 p. Ref. Dec.1952. 100 F66S

WEST, E., and EMMEL, M. W. Poisonous plants in Florida. Fla. Agr. Expt. Sta. B. 510,57 p. Dec. 1952. 100 F66S
A revision of Bulletin 468.

KESTERSON, J. W., and HENDRICKSON, R. Naringin, a bitter principle of grapefruit; occurrence, properties and possible utilization. Fla. Agr. Expt. Sta. B. 511,35 p. Ref. Jan.1953. 100 F66S

SWANK, G., and PERRY, V. G. Control of disease in celery seedbeds with methyl bromide. Fla. Agr. Expt. Sta. C. S-55,8 p. Jan.1953. 100 F66Ci

Georgia Coastal Plain Experiment Station, Tifton

HALLS, L. K., SOUTHWELL, B. L., and KNOX, F. E. Burning and grazing in Coastal Plain forests; a study of vegetation and cattle responses to burning frequency in longleaf-slash pine forests of Georgia. Ga. Coastal Plain Expt. Sta. B. 51,33 p. Ref. Nov.1952. 100 G292

Idaho Agricultural Experiment Station, Moscow

HELTON, A. W. Curative and preventive methods in controlling fruit diseases. VII. A preliminary survey of preparation, use, and injury factors for pesticides. Idaho. Agr. Expt. Sta. Mimeog. L. 128,28 p. Jan. 1953. 100 Id12

Illinois Agricultural Experiment Station, Urbana

BARTLETT, R. W., and GOTHARD, F. T. Measuring efficiency of milk plant operation. Ill. Agr. Expt. Sta. B. 560,56 p. Ref. Nov.1952. 100 IL6S

HUELSEN, W. A., and BROWN, W. N. Physical damage to sweet corn seed caused by mechanical harvesting and subsequent processing. Ill. Agr. Expt. Sta. B. 561, 45 p. Ref. Nov.1952. 100 IL6S

BAUMAN, L. F., and others. Experimental corn hybrids, 1952 tests. Ill. Agr. Expt. Sta. B. 563,19 p. Jan.1953. 100 IL6S
D. E. Alexander, R. W. Jugenheimer, and C. M. Woodworth, joint authors.

PENDLETON, J. W., and others. 1952 Illinois corn tests; variety performance, seed treatment, rate of planting. Ill. Agr. Expt. Sta. B. 564,32 p. Jan.1953. 100 IL6S
G. H. Dungan, B. Koehler, J. H. Bigger, A. L. Lang, and P. E. Johnson, joint authors.

NORTH CENTRAL REGIONAL FARM STRUCTURES COORDINATING COMMITTEE. SUBCOMMITTEE ON MACHINERY STORAGE AND FARM SHOPS. Farm machinery housing with suggestions for farm shops and shop equipment. Ill. Agr. Expt. Sta. C. 702,31 p. Nov. 1952. 275.29 IL62C

WALKER, E. D., and HACKLEMAN, J. C. 5 steps in pasture improvement. Ill. Agr. Expt. Sta. C. 703,15 p. Nov.1952. 275.29 IL62C

PENDLETON, J. W., and others. Spring oat varieties for Illinois. Ill. Agr. Expt. Sta. C. 704,8 p. Feb.1953. 275.29 IL62C
W. M. Bever, O. T. Bonnett, G. E. McKibben, joint authors.

Indiana Agricultural Experiment Station, Lafayette

COX, C. B., EISENACH, E. J., and MITCHELL, M. P. Beef cattle prices. Ind. Agr. Expt. Sta. B. 582, 39 p. Jan.1953. 100 In2P

YEAGER, J. H., and others. Terracing costs and problems in western Indiana. Ind. Agr. Expt. Sta. B. 583,31 p. Dec.1952. 100 In2P
L. S. Robertson, H. Kohnke, and I. D. Mayer, joint authors.

INDIANA. AGRICULTURAL EXPERIMENT STATION. Indiana crops and livestock. Ind. Agr. Expt. Sta. Ind. Crops & Livestock 325,4 p. Oct.1,1952. 252.25 Ag8

INDIANA. AGRICULTURAL EXPERIMENT STATION. Available station publications. Ind. Agr. Expt. Sta. List 18,10 p. Sept.1952. 100 In2Av

Iowa Agricultural Experiment Station, Ames

HUTCHCROFT, C. D., and ROBINSON, J. L. 1952 Iowa corn yield test. Iowa. Agr. Expt. Sta. B. P115: 857-912. Feb.1953. 100 Io9

Kansas Agricultural Experiment Station, Manhattan

SCHRENK, W. G., and others. Dehydrated alfalfa. Kans. Agr. Expt. Sta. B. 356,64 p. Ref. Feb. 1953. 100 K13S

H. L. Mitchell, R. E. Silker, C. O. Grandfield, W. H. Honstead, and R. G. Taecker, joint authors.

CLAPP, A. L., and TATUM, L. A. Kansas corn tests, 1952. Kans. Agr. Expt. Sta. B. 358,43 p. Feb. 1953. 100 K13S

GRANDFIELD, C. O., and FRANKLIN, W. W. Alfalfa seed production in Kansas. Kans. Agr. Expt. Sta. C. 290,28 p. Ref. Nov.1952. 100 K13S

GREAT PLAINS COUNCIL. Reducing adverse effects of reservoirs. Kans. Agr. Expt. Sta. C. 293,29 p. Oct.1952. 100 K13S

MYERS, H. E., and THROCKMORTON, R. I. Progress in wheat research. Kans. Agr. Expt. Sta. C. 294,4 p. Jan.1953. 100 K13S

KANSAS. AGRICULTURAL EXPERIMENT STATION. Sixteenth biennial report, July 1, 1950 to June 30, 1952. Manhattan,1953. 106 p. 100 K13S

KANSAS. AGRICULTURAL EXPERIMENT STATION. Winter feeding problems, 1952-53. Kans. Agr. Expt. Sta. Rpt. 5,4 p. Dec.1952. 100 K13S

Maine Agricultural Experiment Station, Orono

TERMAN, G. L., and others. Rate of planting and thiourea treatment for seed potatoes in Maine. Maine. Agr. Expt. Sta. B. 505,33 p. Ref. Sept.1952. 100 M28S

C. E. Cunningham, M. G. Goven, and R. A. Struchtemeyer, joint authors.

TERMAN, G. L., and others. Rate, placement, and source of phosphorus fertilizers for potatoes in Maine. Maine. Agr. Expt. Sta. B. 506,24 p. Ref. Sept.1952. 100 M28S

A. Hawkins, C. E. Cunningham, and P. N. Carpenter, joint authors.

FOLSOM, D., and others. Effect of storage and railroad transit on potato diseases, injuries, and shrinkage. Maine. Agr. Expt. Sta. B. 507,28 p. Ref. Dec.1952. 100 M28S

H. Q. Roach, J. S. Wiant, and J. Kaufman, joint authors.

PERRY, A. L. Commercial washing of Maine potatoes. Maine. Agr. Expt. Sta. B. 509,19 p. Jan.1953. 100 M28S

TERMAN, G. L., and AKELEY, R. V. Quality, size and yield of tubers in 1951 potato variety trials. Maine. Agr. Expt. Sta. Mimeog. Rpt. 26,7 p. Jan.1952. 100 M28M

TOBEY, E. R., and others. Commercial feeding stuffs, 1951-1952. Maine. Agr. Expt. Sta. Off. Insp. 224,29 p. July 1952. 100 M28S

TOBEY, E. R., and others. Commercial fertilizers, 1952. Maine. Agr. Expt. Sta. Off. Insp. 225,24 p. Oct.1952. 100 M28S

Massachusetts Agricultural Experiment Station, Amherst

BREDO, W., and ROJKO, A. S. Prices and milksheds of Northeastern markets. Mass. Agr. Expt. Sta. B. 470,103 p. Ref. Aug.1952. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

BROWN, L. H., CARGILL, B. F., and BOOKHOUT, B. R. Pen-type dairy barns. Mich. Agr. Expt. Sta. Spec. B. 363,rev.,32 p. Jan.1952. 100 M58S

QUACKENBUSH, G. G. Dairy plant diversification in Michigan. Mich. Agr. Expt. Sta. Spec. B. 384,22 p. Nov.1952. 100 M58S

BALL, R. C., and TAIT, H. D. Production of bass and bluegills in Michigan ponds. Mich. Agr. Expt. Sta. Tech. B. 231,24 p. Ref. June 1952. 100 M58S

VAN SYCKLE, C. Consumer use and purchase of furniture in Flint, Michigan, 1951. Mich. Agr. Expt. Sta. Tech. B. 233,40 p. Oct.1952. 100 M58S

HATHAWAY, D. E., and PETERSON, E. E. Michigan farmers and the price support program. I. Farming under price supports. Mich. Agr. Expt. Sta. Tech. B. 234,23 p. Dec.1952. 100 M58S

HATHAWAY, D. E., PETERSON, E. E., and WITT, L. Michigan farmers and the price support program. II. Farmers' attitudes toward the support program. Mich. Agr. Expt. Sta. Tech. B. 235,40 p. Dec.1952. 100 M58S

QUARTERLY bulletin 35:275-416. Feb.1953. 100 M58S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

ALDERMAN, W. H., and others. Meteor cherry. Minn. Agr. Expt. Sta. Misc. Rpt. 16,3 p. Dec.1952. 100 M66

W. G. Brierley, T. S. Weir, A. N. Wilcox, R. C. Blake, K. W. Hanson, and L. C. Snyder, joint authors.

MINNESOTA farm and home science 10(2),20 p Feb.1953. 100 M668

Mississippi Agricultural Experiment Station, State College

BAIN, D. C., and HARE, W. W. Vegetable diseases and their control in Mississippi. Miss. Agr. Expt. Sta. B. 453,rev.,31 p. Dec.1952. 100 M69

CROCKETT, S. P., and ARNOLD, B. L. Winter grazing tests, 1951-52. Miss. Agr. Expt. Sta. C. 175,15 p. Nov.1952. 100 M69

HARRIS, V. C. Cotton production without hand hoeing or cultivation. Miss. Agr. Expt. Sta. Inform. Sheet 468,2 p. Feb.1952. 100 M69In

HARRIS, V. C. Chemical weed control in permanent pastures. Miss. Agr. Expt. Sta. Inform. Sheet 469, 2 p. Apr.1952. 100 M69In

PEDERSEN, H. A. Population prospects for the Delta. Miss. Agr. Expt. Sta. Inform. Sheet 470,2 p. Apr.1952. 100 M69In

WALTON, L., DREESEN, L. J., and HILL, J. E. Broiler and turkey production at Black Belt Branch Experiment Station. Miss. Agr. Expt. Sta. Inform. Sheet 471,2 p. May 1952. 100 M69In

BENNETT, H. W., and EASLEY, O. W. Harvesting Dallis grass [Paspalum dilatatum] seed. Miss. Agr. Expt. Sta. Inform. Sheet 472,2 p. June 1952. 100 M69In

MOORE, E. L., and THOMAS, W. O. Reduced light intensity and hormone spray increases early yield of fall tomatoes. Miss. Agr. Expt. Sta. Inform. Sheet 473,2 p. Aug.1952. 100 M69In

WISE, L. N. Legume seed yields increased by borax fertilization. Miss. Agr. Expt. Sta. Inform. Sheet 475,1 p. Oct.1952. 100 M69In

MILES, J. T., and LUSK, J. W. The value of silage as a supplement to winter pasture for dairy cows. Miss. Agr. Expt. Sta. Inform. Sheet 476,1 p. Oct.1952. 100 M69In

KILBY, W. W., SITTON, B. G., and LEWIS, W. A. Anhydrous ammonia as a good source of nitrogen for tung. Miss. Agr. Expt. Sta. Inform. Sheet 477,2 p. Nov.1952. 100 M69In

SMITH, L. F., and BLOUNT, C. L. Grazing study shows value of woodland forage in south Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 478,2 p. Nov. 1952. 100 M69In

DICKERSON, R. L., and O'KELLY, J. F. Adaptation of cotton varieties for irrigation. Miss. Agr. Expt. Sta. Inform. Sheet 479,1 p. Jan.1953. 100 M69In

BELL, R. D. An economic study of farms operated by Negro farmers in Claiborne County, Mississippi. Miss. Agr. Expt. Sta. M. R. 10,53 p. Oct.1952. 100 M69Mr

JOHNSON, J. W. Delta timber lands thrive after undesirable trees are cut. Miss. Agr. Expt. Sta. Serv. Sheet 425,2 p. Jan.1953. 100 M69

MCKNIGHT, J. S., and JOHNSON, J. W. Fence posts from Delta hardwoods give good service. Miss. Agr. Expt. Sta. Serv. Sheet 426,2 p. Jan.1953. 100 M69

MISSISSIPPI farm research 16(2),8 p.;(3),8 p. Feb.-Mar.1953. 100 M69Mi

Missouri Agricultural Experiment Station, Columbia

SMITH, G. E. Soil fertility and corn production. Mo. Agr. Expt. Sta. B. 583,67 p. June 1952. 100 M693

MISSOURI. AGRICULTURAL EXPERIMENT STATION. Agricultural research builds up new efficiency in farming; annual report of the Missouri Agricultural Experiment Station. Mo. Agr. Expt. Sta. B. 584,138 p. July 1952. 100 M693

MISSOURI. AGRICULTURAL EXPERIMENT STATION. Fertilizer inspection and analysis: fall, 1951. Mo. Agr. Expt. Sta. B. 585,63 p. July 1952. 100 M693

STEWART, R. E., and PHILLIPS, R. A. Heating rural homes with space heaters. Mo. Agr. Expt. Sta. B. 586,16 p. Aug.1952. 100 M693

FARM FORUM ON PUBLIC POLICY. Frontiers in American agriculture; Fourth Annual Farm Forum, November 17-18, 1952. Mo. Agr. Expt. Sta. B. 589,44 p. Nov.1952. 100 M693

VAN HORN, J. L., and others. Value of dehydrated alfalfa for growth, wool production, and reproduction in sheep; progress report for 1951-1952. Mont. Agr. Expt. Sta. Mimeog. C. 70,16 p. Jan.1953. 100 M76M

O. O. Thomas, A. E. Flower, J. Drummond, and A. Hoversland, joint authors.

Montana Agricultural Experiment Station, Bozeman

FIENUP, D. F. Resource productivity on Montana dry-land crop farms. Mont. Agr. Expt. Sta. Mimeog. C. 66,81 p. Ref. June 1952. 100 M76M

JENSEN, C. W. The economics of pasture integration on irrigated farms. Mont. Agr. Expt. Sta. Mimeog. C. 67,96 p. Ref. July 1952. 100 M76M

QUENEMOEN, M. E. Economic aspects of water spreader developments on southeastern Montana ranches. Mont. Agr. Expt. Sta. Mimeog. C. 69,89 p. Ref. Dec.1952. 100 M76M

Nebraska Agricultural Experiment Station, Lincoln

BROUSE, E. M., EHLERS, P. L., and VIEHMEYER, G. Fertilizer experiments on native subirrigated meadows in Nebraska, 1952. Nebr. Agr. Expt. Sta. Outstate Testing C. 28,10 p. Feb.1953. 100 N27O

New Jersey Agricultural Experiment Station, New Brunswick

NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. CRANBERRY-BLUEBERRY RESEARCH LABORATORY. 21st annual blueberry open house, held at Pemberton, N. J., December 5, 1952. New Brunswick, 1952. 17 p. 94.35 N46A

New Mexico Agricultural Experiment Station, State College

EVANS, M. Sorghum production in New Mexico. N. Mex. Agr. Expt. Sta. B. 371,31 p. Nov.1952. 100 N465

DREGNE, H. E., and MAKER, H. J. The quality of some irrigation waters in New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1076,13 p. Jan.1953. 100 N465

LANTZ, E., and others. A study of food habits in New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1077, 7 p. Jan.1953. 100 N465

M. Hotopp, D. B. Hacker, and R. J. Grass, joint authors.

EYER, J. R., FAULKNER, L. R., and MCCARTY, R. T. The effect of toxaphene and DDT on geese in cotton fields. N. Mex. Agr. Expt. Sta. Press B. 1078,6 p. Jan.1953. 100 N465

SKAGGS, S. R. Predicting production from the udder development in calves. N. Mex. Agr. Expt. Sta. Press B. 1079,6 p. Feb.1953. 100 N465

NEW MEXICO. AGRICULTURAL EXPERIMENT STATION. 63rd annual report, fiscal year ended June 30, 1952. State College,1952. 60 p. 100 N465

New York (Cornell) Agricultural Experiment Station, Ithaca

NEW YORK (CORNELL) AGRICULTURAL EXPERIMENT STATION. Sixty-fifth annual report of the New York State College of Agriculture at Cornell University & the Cornell University Agricultural Experiment Station, 1952. Ithaca,1952. 117 p. 100 N48C

New York (State) Agricultural Experiment Station, Geneva

MOYER, J. C., and others. Effect of blanching and subsequent holding on some chemical constituents and enzyme activities in peas, snap beans, and lima beans. N. Y. (State) Agr. Expt. Sta. B. 754,33 p. Ref. Oct.1952. 100 N48

W. B. Robinson, E. H. Stotz, and Z. I. Kertesz, joint authors.

CLARK, B. E., and LITTLE, H. B. The quality of seeds on sale in New York as revealed by tests completed in 1952. N. Y. (State) Agr. Expt. Sta. B. 757,49 p. Jan.1953. 100 N48

NEW YORK (STATE) AGRICULTURAL EXPERIMENT STATION. Seventy-first annual report, 1952. Geneva,1953. 23 p. 100 N48

North Dakota Agricultural Experiment Station, State College Station, Fargo

BIMONTHLY bulletin 15:89-125. Jan./Feb. 1953. 100 N813B

Ohio Agricultural Experiment Station, Wooster

OHIO. AGRICULTURAL EXPERIMENT STATION. 71st annual report, 1951/52. Ohio. Agr. Expt. Sta. B. 730,26 p. Feb.1953. 100 Oh3S

SCOTT, R. C., and LEED, T. W. Marketing apples through retail stores in Cleveland and the Canton-Youngstown area. Ohio. Agr. Expt. Sta. Res. B. 719,31 p. Feb.1953. 100 Oh3S

OHIO farm and home research 38(280),16 p. Jan./Feb.1953. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

BROOKS, J. S., and others. Oklahoma 301, a new hybrid corn for Oklahoma. Okla. Agr. Expt. Sta. B. B-390,6 p. Jan.1953. 100 Ok4

H. Pass, W. L. Richardson, and J. W. Smith, joint authors.

DAVIES, F. F., and SIEGLINGER, J. B. Darset, a combine-type darso. Okla. Agr. Expt. Sta. B. B-391,6 p. Feb.1953. 100 Ok4

FARM research flashes. Jan.1953. 5 p. 100 Ok4F

Oregon Agricultural Experiment Station, Corvallis

DICKINSON, E. M., and BABCOCK, W. E. Controlling "worms" in poultry. Oreg. Agr. Expt. Sta. C. Inform. 522,8 p. Feb.1953. 100 Or3C

Pennsylvania Agricultural Experiment Station, State College

PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer: supplement 3 to 64th annual report. Pa. Agr. Expt. Sta. B. 540(sup.3),11 p. June 1952. 100 P381

RICHER, A. C., and DRISKELL, B. N. Correlation of plant tissue tests of corn deficiency symptoms and soil analyses on the Jordan fertility plots. Pa. Agr. Expt. Sta. B. 560,5 p. Ref. Oct.1952. 100 P381

ASQUITH, D. The periodical cicada in Pennsylvania orchards. Pa. Agr. Expt. Sta. Prog. Rpt. 88,3 p. Dec.1952. 100 P381P

Puerto Rico Agricultural Experiment Station, Rio Piedras

GARCIA-MOLINARI, O. Grasslands and grasses of Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. B. 102,167 p. Ref. Aug.1952. 100 P83

HADDOCK, D., and HERNANDEZ, L. Consumer preferences for taniers (Xanthosoma spp.) in Puerto Rico 1949-1950. P. R. (Rio Piedras) Agr. Expt. Sta. B. 103,31 p. Apr.1952. 100 P83

HERNANDEZ-MEDINA, E. Filter press cake increases pineapple yields in Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. B. 104,38 p. Ref. Apr.1952. 100 P83

South Dakota Agricultural Experiment Station, Brookings

KLINGELHOETS, A. J., LUMB, E. R., and BUNTLEY, G. J. Soils of Day County, South Dakota. S. Dak. Agr. Expt. Sta. B. 421,56 p. May 1952. 100 So82

SHANK, D. B., KRATOCHVIL, D. E., and NACHTIGAL, G. E. South Dakota corn performance tests, 1952. S. Dak. Agr. Expt. Sta. C. 97,20 p. Feb.1953. 100 So82

NERVIK, O., PIERCE, E. A., and GLOVER, J. H. The effect on carcass yield and grade of holding lambs in packers' yards. S. Dak. Agr. Expt. Sta. Tech. B. 12,11 p. Dec.1952. 100 So82

FARM and home research 4:21-50. Winter 1953. 100 So82S

SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. Agricultural research in South Dakota; sixty-fifth annual report, 1951/52. Brookings,1952? 156 p. 100 So82

Texas Agricultural Experiment Station, College Station

BONNEN, C. A., and others. Use of irrigation water on the High Plains. Tex. Agr. Expt. Sta. B. 756, 43 p. Dec.1952. 100 T31S

W. C. McArthur, A. C. Magee, and W. F. Hughes, joint authors.

LEBOURVEAU, W., and PAULSON, W. E. Agricultural cooperatives in Texas, 1952. Tex. Agr. Expt. Sta. Misc. P. 88,24 p. Dec.1952. 100 T31M

HARRISON, A. L. A peanut picker for small plot work. Tex. Agr. Expt. Sta. Prog. Rpt. 1512,3 p. Dec. 2,1952. 100 T31P

SMITH, H. P., and BROWN, E. C. Mounting for pre-emergence press whell-rollers and sprayer nozzles. Tex. Agr. Expt. Sta. Prog. Rpt. 1520,2 p. Dec. 13,1952. 100 T31P

REYNOLDS, E. B., and ROBERTS, J. E. Effect of plowing under legumes and applications of nitrogen on yields of cotton and corn. Tex. Agr Expt. Sta. Prog. Rpt. 1521,3 p. Dec.16,1952. 100 T31P

SORENSEN, H. B., and ALLEY, L. S. Effect of different rates of nitrogen fertilizer on the shipping quality of greenwrap tomatoes. Tex. Agr. Expt. Sta. Prog. Rpt. 1522,3 p. Dec.19,1952. 100 T31P

HAMILTON, R. D., WHITFIELD, C. J., and REA, H. E. Effects of concentrated borascu and sodium chlorate on the control of bindweed [Convolvulus arvensis] Tex. Agr. Expt. Sta. Prog. Rpt. 1523,3 p. Dec.20,1952. 100 T31P

HOLT, E. C., and VAVRA, F. L. Grass strain tests near College Station, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1524,5 p. Jan.2,1953. 100 T31P

SORENSEN, H. B. Marketing practices of East Texas tomato growers. Tex. Agr. Expt. Sta. Prog. Rpt. 1525,6 p. Jan.6,1953. 100 T31P

REA, H. E. Pre- and post-emergence chemical treatment combinations in weeding cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1526,2 p. Jan.9,1953. 100 T31P

SMITH, H. P., and BROWN, E. C. Mechanical harvesting of cotton, College Station, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1527,9 p. Jan.9,1953. 100 T31P

SMITH, O. E., and FISHER, F. L. Corn-green manure-fertilizer tests at Prairie View, 1950-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1528,4 p. Jan.13,1953. 100 T31P

ADKINS, W. G., and MOTHERAL, J. R. Life insurance protection of farm-operator families, Wharton County, Texas, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1529,7 p. Jan.14,1953. 100 T31P

SORENSEN, H. B. Packing East Texas tomatoes for shipment, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1530,4 p. Jan.21,1953. 100 T31P

REYNOLDS, E. B., and WOLTERS, F. A. Hairy vetch, Willamette vetch and Dixie Wonder peas as soil-improving crops for corn on Lufkin soil. Tex. Agr. Expt. Sta. Prog. Rpt. 1531,2 p. Jan.22,1953. 100 T31P

SMITH, O. E., and HOLT, E. C. Forage crop variety tests at Prairie View, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1532,3 p. Jan.22,1953. 100 T31P

SMITH, H. P., and BROWN, E. C. Influence of press wheels on stands of cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 1533,5 p. Jan.23,1953. 100 T31P

CHRISTENSEN, P. D., and LYERLY, P. J. Cotton yields in El Paso Valley as influenced by time of application of ammonium nitrate and superphosphate, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1534,2 p. Jan.26, 1953. 100 T31P

CHRISTENSEN, P. D., BAYLES, J. J., and LYERLY, P. J. Cotton yields at Pecos as influenced by time of application of ammonium nitrate and superphosphate, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1535,2 p. Jan.26,1953. 100 T31P

REYNOLDS, E. B. Yield and nitrogen content of legumes at College Station, 1937-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1537,3 p. Jan.26,1953. 100 T31P

FISHER, F. L., and SMITH, J. C. Corn fertilizer-spacing-variety studies near College Station, 1949-51. Tex. Agr. Expt. Sta. Prog. Rpt. 1538,2 p. Jan.27, 1953. 100 T31P

ALDRED, F. L., and KRAMER, H. A. Commercial rice drier studies. Tex. Agr. Expt. Sta. Prog. Rpt. 1539,3 p. Jan.30,1953. 100 T31P

MADDOX, L. A., MOWREY, R. C., and MILLER, J. C. Crossbreeding Rambouillet ewes with rams of the mutton breeds to determine the most profitable market lamb for the High Plains. Tex. Agr. Expt. Sta. Prog. Rpt. 1540,5 p. Jan.30,1953. 100 T31P

RICHARDSON, B. H. Control of Rhodesgrass scale [Antonina graminis] in St. Augustinegrass lawns. Tex. Agr. Expt. Sta. Prog. Rpt. 1541,2 p. Feb.4,1953. 100 T31P

MORRISON, S. R. Rice irrigation tests at the Beaumont Station, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1542,2 p. Feb.5,1953. 100 T31P

HERVEY, R. J., and COOK, E. D. Fescue grass and legumes for soil improvement and forage production at the Blackland Station. Tex. Agr. Expt. Sta. Prog. Rpt. 1543,3 p. Feb.6,1953. 100 T31P

COOK, E. D. Chemical control of Johnsongrass [Sorghum halepense] at the Blackland Station, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1544,1 p. Feb.7,1953. 100 T31P

SPEARS, B. R., ROGERS, J. S., and MCAFEE, T. E. Corn silage studies at College Station, Temple and Tyler, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1545,5 p. Feb.8,1953. 100 T31P

FUDGE, J. F. Distribution of fertilizer sales in Texas, July 1-December 31, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1546,3 p. Feb.9,1953. 100 T31P

Utah Agricultural Experiment Station, Logan

UTAH. AGRICULTURAL EXPERIMENT STATION. Biennial report 1950-1952. Utah. Agr. Expt. Sta. B. 357,62 p. Dec.1952. 100 Ut1

FUHRIMAN, W. U., BLANCH, G. T., and STEWART, C. E. An economic analysis of the agricultural potentials of the Weber Basin Reclamation Project, Utah. Utah. Agr. Expt. Sta. Spec. Rpt. 7,39 p. Dec.1952. 100 Ut1Sp

Virginia Agricultural Experiment Station, Blacksburg

VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Statistical methods for sensory difference tests of food quality. Va. Agr. Expt. Sta. Biannu. Rpt. 5, 20 p. Ref. Dec.1952. 389.9 V81

U. S. Bureau of Agricultural Economics cooperating.

Appendixes: A, Some statistical methods in taste testing and quality evaluation, by R. A. Bradley, 31 p.; B, Two-group comparisons in the rank analysis of incomplete block designs, by R. P. Bartlett, 42 p.; C, On the appropriateness of the model for the rank analysis of incomplete block designs, by R. A. Bradley, 26 p.

Washington Agricultural Experiment Station, Pullman

MOORE, J. F. Growing brussels sprouts in western Washington: adapted varieties, cultural practices, and economic aspects. Wash. Agr. Expt. Sta. C. 207,10 p. Jan.1953. 100 W27S

West Virginia Agricultural Experiment Station, Morgantown

WEST VIRGINIA. AGRICULTURAL EXPERIMENT STATION: Science serves your farm. W. Va. Agr. Expt. Sta. B. 357(2), 16 p. Dec.1952. 100 W52

Wyoming Agricultural Experiment Station, Laramie

PFADT, R. E., and DEFOLIART, G. R. Control of sheep ked [Melophagus ovinus] by dusting. Wyo. Agr. Expt. Sta. Mimeog. C. 23,8 p. Nov.1952. 100 W99M

Southern Cooperative Series (Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and the U. S. Bureau of Agricultural Economics

COLLINS, W. E., and others. Seasonality of supply and utilization of milk in the South, 1949. South Coop. Ser. B. 25,59 p. July 1952. 100 G29So
Cooperative project of the Agricultural Experiment Stations of Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and the U. S. Bureau of Agricultural Economics.

Western Cooperative Series (Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming)

WOOLRICH, A., BEVERIDGE, E., and WILSON, M. Housing needs of Western farm families. West. Coop. Ser. Res. Rpt. 1,215 p. 1952. 100 Ag8

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

CALIFORNIA University, College of Agriculture, Agricultural Extension Service, Berkeley

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULUTURE. AGRICULTURAL EXTENSION SERV. Poultry egg cost study; 1952 report, San Diego County, by R. H. Adolph and A. D. Reed. Berkeley? 1953. 7 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Reducing cost of raising dairy heifer replacements, by L. P. Sharp. Riverside, 1952. 14 p. 275.2 C12Red

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. San Luis Obispo County poultry management study, 1952, by D. C. Ambrose and A. Shultis. Berkeley? 1953? 5 p. 275.29 C12En

COLORADO State College of Agriculture, Extension Service, Fort Collins

HAMMAN, A. J. Measuring irrigation water on the farm. Colo. Agr. Col. Ext. C. 172-A, 11 p. May 1952. 275.29 C71C

LUSK, M. S., and DICKERSON, L. B. Color in your hands. Colo. Agr. Col. Ext. C. 173-A, 10 p. May 1952. 275.29 C71C

Reprinted from Washington State College Extension Service Bulletin 447.

DRAGE, C. M., and FERGUSON, A. C. Vegetable varieties for Colorado. Colo. Agr. Col. Ext. C. 174-A, 16 p. May 1952. 275.29 C71C

CONNECTICUT University, College of Agriculture, Agricultural Extension Service, Storrs

MUNSELL, R. I. Legume-grass seedings. Conn. Agr. Col. Ext. B. 442, 10 p. Feb. 1953. 275.29 C76B

MUNSELL, R. I. Bulk spreading of limestone. Conn. Agr. Col. Ext. Folder 65, 4 p. Feb. 1953. 275.29 C76Ex

DELAWARE Univeristy, School of Agriculture, Extension Service, Newark

STEARNS, L. S., HEUBERGER, J. W., and STEVENS, R. F. Delaware's 1953 spray schedules for control of fruit insects and diseases in orchards and home plantings. Del. U. Agr. Ext. Folder 32, 8 p. Jan. 1953. 275.29 D37W

HENUBERGER, J. W., MACCREARY, D., and STEVENS, R. F. Delaware's 1953 recommendations for insect and disease control on vegetables. Del. U. Agr. Ext. Folder 33, 6 p. Jan. 1953. 275.29 D37W

FLORIDA University, College of Agriculture, Agricultural Extension Service, Gainesville

FLORIDA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Florida National Egg-Laying Test, Chipley, Florida, October 1, 1951, to September 15, 1952, by A. W. O'Steen, N. R. Mehrhof, and J. S. Moore. Gainesville, 1952. 30 p. 275.29 F66Fi

GEORGIA University, College of Agriculture, Agricultural Extension Service, Athens

JORDAN, C. R., and others. Cotton insect control. Ga. Agr. Col. Ext. C. 372, 8 p.-folder. Mar. 1953. 275.29 G29C

HAWAII University, Agricultural Extension Service, Honolulu

HAWAII. UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1952 Honolulu unloads of fruits, vegetables, and livestock products. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 14, 25 p. Feb. 1953. 275.29 H312Ae

BESS, H. A., SHERMAN, M., and MITCHELL, W. C. Household pests and their control. Hawaii. U. Agr. Ext. B. 58, 24 p. Jan. 1953. 275.29 H312E

IDAHO University, College of Agriculture, Extension Service, Moscow

KNIGHT, W. H. New and useful electrical farm equipment. Idaho. Agr. Col. Ext. L. 18, 4 p. June 1952. 275.29 Id13Fa

KNIGHT, W. H., and MARTIN, J. W. Electrical control devices for farm use. Idaho. Agr. Col. Ext. L. 19, 4 p. Sept. 1952. 275.29 Id13Fa

KNIGHT, W. H. Let's take care of our farm electrical equipment. Idaho. Agr. Col. Ext. L. 20, 4 p. Dec. 1952. 275.29 Id13Fa

ILLINOIS University, College of Agriculture, Extension Service, Urbana

KLEIMAN, G. C. Dairy marketing facts: St. Louis area. Ill. Agr. Col. Ext. AE2851, 8 p. Jan. 1952. 275.29 IL62P

WILCOX, R. H. Custom rates for the use of power-operated farm machines, 1951 and 1952. Ill. Agr. Col. Ext. AE2865, 14 p. Mar. 1952. 275.29 IL62P

FOLSE, C. L. Trends in Illinois communities. Ill. Agr. Col. Ext. AE2867, 14 p. Mar. 1952. 275.29 IL62P

WAANANEN, M. V. Cost of field crop and miscellaneous spraying in Illinois, 1951. Ill. Agr. Col. Ext. AE2879, 9 p. May 1952. 275.29 IL62P

CASE, H. C. M., and CUNNINGHAM, J. B. Farm leasing practices in the transition area between central and southern Illinois. Ill. Agr. Col. Ext. AE2896, 24 p. Sept. 1952. 275.29 IL62P

CASE, H. C. M., and CUNNINGHAM, J. B. Farm leasing practices in southern Illinois. Ill. Agr. Col. Ext. AE2898, 29 p. Sept. 1952. 275.29 IL62P

WILCOX, R. H. Graphic supplement to the detailed cost report for central Illinois 1951. Ill. Agr. Col. Ext. AE2917, 8 p. Dec. 1952. 275.29 IL62P

ILLINOIS UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Available publications, agriculture and home economics. Urbana, 1953. 12 p. 275.29 IL62Av

INDIANA - Purdue University, Agricultural Extension Service, Lafayette

SHARVELLE, E., and others. Pest control for Indiana fruits. Purdue U. Agr. Ext. B. 310, rev., 39 p. Feb. 1953. 275.29 In2E

G. Lehker, R. Klackle, R. Shay, and C. L. Burkholder, joint authors.

OBERHELMAN, L., OSTERLE, E. C., and STECH, O. D. Vegetables that please. Purdue U. Agr. Ext. B. 357, 7 p. Mar. 1952. 275.29 In2E

MILLER, E. C. Raising hogs in Indiana. Purdue U. Agr. Ext. B. 359, rev., 40 p. 1952. 275.29 In2E

SUMNER, L., and STOLL, F. Fasteners. Purdue U. Agr. Ext. B. 373, 32 p. Nov. 1952. 275.29 In2E

BENTLEY, M. J. Lampshades for the making. Purdue U. Agr. Ext. B. 375, 15 p. Sept. 1952. 275.29 In2E

BENTLEY, M. J. The way to a beautiful floor. Purdue U. Agr. Ext. B. 376, 16 p. Oct. 1952. 275.29 In2E

LEHKER, G. E., and DAVIS, J. J. Poultry lice and mites and other external parasites. Purdue U. Agr. Ext. B. 378,11 p. Nov.1952. 275.29 In2E

DEETER, V. J., and BENTLEY, M. J. Table lamps you can make! Purdue U. Agr. Ext. B. 379,8 p. Jan.1953. 275.29 In2E

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Dairy farm sanitation for clean milk production. Purdue U. Agr. Ext. B. 382,31 p. 1953. 275.29 In2E
Indiana State Board of Health cooperating.

LATHROPE, H. R. Nitrogen top dressing of wheat in the pocket area in 20 questions. Purdue U. Agr. Ext. L. 351,4 p. Feb.1953. 275.29 In2L

KANSAS State College of Agriculture and Applied Science, Extension Service, Manhattan

RAMSOUR, H. H. Moldboard plow adjustment. Kans. State Col. Agr. Ext. Farm Mach. 5,8 p. July 1952. 275.29 K13Enf

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Border planting, by C. E. Parks and L. R. Quinlan. Manhattan,1952? 9 p. 275.2 K41Bo

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Foundation plantings, by L. R. Quinland and C. E. Parks. Manhattan?1952? 3 p. 275.2 K41Fou

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Kentucky bluegrass [Poa pratensis] lawn, by L. R. Quinlan and C. E. Parks. Manhattan,1952? 2 p. 275.2 K41Ke

MARYLAND University, Colleges of Agriculture and Home Economics, Extension Service, College Park

KREWATCH, A. V. Using electricity on the farm and in the home. Md. Agr. Col. Ext. B. 145,12 p. Jan.1953. 275.29 M36B

MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Trench silos for Maryland. Md. Agr. Col. Ext. B. 146,10 p. Jan.1953. 275.29 M36B

DUNCAN, A. A. Maryland vegetable varieties for 1953. Md. Agr. Col. Ext. Fact Sheet 1,2 p. 1953? 275.29 M36Fa

MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. DEPT. OF AGRONOMY. Field crop variety recommendations. Md. Agr. Col. Ext. Fact Sheet 43,rev.,4 p. Jan.1953. 275.29 M36Fa

MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Plant food recommendations for Maryland horticultural crops. Md. Agr. Col. Ext. Misc. Ext. P. 1,chart. Jan.1953. 275.29 M36Mis

MASSACHUSETTS University, School of Agriculture, Extension Service, Amherst

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Homemade milking utensil cart, by B. E. Colby. Amherst,n.d. 2 p. 275.2 M38Ho

MICHIGAN State College of Agriculture and Applied Science, Extension Division, East Lansing

BOYD, J. S., and MADDEX, R. L. Ventilation for the modern dairy barn. Mich. State Col. Agr. Ext. B. 310,24 p. Mar.1952. 275.29 M58B

TRENK, F. B. Producing boltwood. Mich. State Col. Agr. Ext. B. 311,15 p. Nov.1952. 275.29 M58B

PORTER, J. A., ROOD, P. J., and LONGNECKER, E. D. Lime and its use. Mich. State Col. Agr. Ext. B. 314,36 p. June 1952. 275.29 M58B

MANVILLE, R. H. The snakes of Michigan. Mich. State Col. Agr. Ext. B. 315,20 p. Ref. June 1952. 275.29 M58B

MADDEX, R. L., and HALL, C. W. Drying grain with forced air. Mich. State Col. Agr. Ext. B. 316, 20 p. Feb.1953. 275.29 M58B

OUSTERHOUT, K., and DECKER, R. E. Corn club manual. Mich. State Col. Agr. Ext. Club B. 7, rev.,25 p. June 1952. 275.29 M58C

VASOLD, M. A. Your complete costume. Mich. State Col. Agr. Ext. Club B. 9E,rev.,12 p. Jan. 1953. 275.29 M58C

PEARSON, N., and SNYDER, W. W. 4-H dairy club manual. Mich. State Col. Agr. Ext. Club B. 17,rev., 70 p. Mar.1953. 275.29 M58C

KETCHUM, C. 4-H health improvement. Mich. State Col. Agr. Ext. Club B. 28A,16 p. Dec.1952. 275.29 M58C

STEINICKE, D. 4-H first aid. Mich. State Col. Agr. Ext. Club B. 28B,12 p. Dec.1952. 275.29 M58C

KETCHUM, C. 4-H safety in the home. Mich. State Col. Agr. Ext. Club B. 28C,12 p. Dec.1952. 275.29 M58C

HILL, L., STEINICKE, D., and KETCHUM, C. Safety practices for 4-H baby sitters. Mich. State Col. Agr. Ext. Club B. 28D,8 p. Dec.1952. 275.29 M58C

LAMB, R., STEINICKE, D., and KETCHUM, C. 4-H bicycle and pedestrian safety. Mich. State Col. Agr. Ext. Club B. 28E,12 p. Jan.1953. 275.29 M58C

HART, H. J., STEINICKE, D., and KETCHUM, C. 4-H safety on the farm. Mich. State Col. Agr. Ext. Club B. 28F,12 p. Jan.1953. 275.29 M58C

MACQUEEN, G., STEINICKE, D., and KETCHUM, C. 4-H automobile safety. Mich. State Col. Agr. Ext. Club B. 28H,15 p. Jan.1953. 275.29 M58C

KETCHUM, C. 4-H foods; lunch or supper. Project II. Mich. State Col. Agr. Ext. Club B. 30B,rev., 31 p. June 1952. 275.29 M58C

WOODWARD, M. 4-H family living Project I. Mich. State Col. Agr. Ext. Club B. 57,28 p. Apr.1952. 275.29 M58C

VASOLD, M. A. You learn to knit. Mich. State Col. Agr. Ext. Club B. 59,12 p. Feb.1953. 275.29 M58C

HUDDLESON, I. F. The milk ring test for brucellosis in dairy cattle. Mich. State Col. Agr. Ext. Folder F-169,4 p. June 1952. 275.29 M58Ex

MICHIGAN. STATE SOIL CONSERVATION COMMITTEE. Pave your waterways with grass. Mich. State Col. Agr. Ext. Folder F-171,6 p. n.d. 275.29 M58Ex

MINNESOTA University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

KIRCHNER, C. Slip covering your furniture. Minn. U. Agr. Ext. B. 269,16 p. June 1952. 275.29 M66S

SMITH, M. E. Forestry in 4-H. Minn. U. Agr. Ext. 4-H B. 26,39 p. Dec.1952. 275.29 M662M

ANDERSON, M. R., and BRILL, G. D. 4-H food preparation. Minn. U. Agr. Ext. 4-H B. 32,35 p. June 1952. 275.29 M662M

DUNHAM, R. S., and others. Chemical weed control in Minnesota. Minn. U. Agr. Ext. Pam. 187,16 p. Jan.1953. 275.29 M66P
R. E. Nylund, R. F. Crim, and H. L. Hansen, joint authors.

MISSISSIPPI State College, Extension Service, State College

MISSISSIPPI STATE COLLEGE. EXTENSION SERV. 1951 annual report. Miss. State Col. Ext. P. 215, 27 p. June 1952. 275.29 M68A

MISSOURI University, College of Agriculture, Agricultural Extension Service, Columbia

NAGEL, W. O., CLARK, M. W., and HALL, H. J. Improve ponds and watersheds—save soil and wildlife. Mo. Agr. Col. Ext. C. 610,10 p. Jan.1952. 275.29 M69C

JENKINS, L. How to know the apple insects. Mo. Agr. Col. Ext. C. 617,12 p. Apr.1952. 275.29 M69C

HELM, C. A. Weed control in corn through use of chemicals. Mo. Agr. Col. Ext. C. 619,7 p. Apr. 1952. 275.29 M69C

BURK, V. F., and JENKINS, L. Controlling garden insect pests. Mo. Agr. Col. Ext. Folder 6,rev., 4 p. Mar.1952. 275.29 M69FoL

MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Turkey by the piece. Mo. Agr. Col. Ext. Folder 17,8 p. Jan.1952. 275.29 M69FoL

JENKINS, L., and BURK, V. F. Bean beetle control. Mo. Agr. Col. Ext. Folder 18,4 p. Feb.1952. 275.29 M69FoL
Epilachna varivestis and Cerotoma trifurcata.

MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Chicken—broilers, fryers for family meals. Mo. Agr. Col. Ext. Folder 20,8 p. Aug.1952. 275.29 M69FoL

MISSOURI. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. How to cut turkey by the piece. Mo. Agr. Col. Ext. Folder 21,6 p. Nov.1952. 275.29 M69FoL

BARNARD, H. M. Clothes for the occasion. Clothing V. Mo. Agr. Col. Ext. 4-H Club C. 104,11 p. Jan.1952. 275.29 M69B

ALEXANDER, A. M. Growing & sharing flowers. Mo. Agr. Col. Ext. 4-H Club C. 106,19 p. Nov. 1952. 275.29 M69B

WINNER, E. B., and others. Poultry management (for 4-H poultry projects). Mo. Agr. Col. Ext. 4-H Club C. 108,47 p. Nov.1952. 275.29 M69B
S. H. Bodenhamer, T. Joule, and R. Ricketts, joint authors.
Also Leader's Guide, June 1952, for poultry project leaders to be used with 4-H Circular 108. (275.29 M69Le)

MONTANA State College, Extension Service, Bozeman

YAGER, L. Plan, beautify your home grounds. Mont. State Col. Ext. B. 273,19 p. Mar.1952. 275.29 M76C

TOOTELL, R. B. What the people said at Montana Rural Progress conferences, 1952. Mont. State Col. Ext. B. 274,115 p. June 1952. 275.29 M76C

ORCUTT, E. P., and JACOBSEN, N. A. Montana breeders of registered beef cattle, sheep, and horses. Mont. State Col. Ext. C. 209,26 p. Apr.1952. 275.29 M76Ci

MONTANA. STATE COLLEGE. EXTENSION SERV. List of available publications. Mont. State Col. Ext. C. 210,rev.,14 p. Feb.1953. 275.29 M76Ci

CUSHMAN, H. E. To get and keep eggs top grade take these 5 steps. Mont. State Col. Ext. C. 239,6 p. May 1952. 275.29 M76Ci

FISHER, E. Accessories in your home. Mont. State Col. Ext. C. 241,5 p. July 1952. 275.29 M76Ci

STUCKY, H. R. Rates for custom work in Montana. Mont. State Col. Ext. C. 242,3 p. Aug.1,1952. 275.29 M76Ci

WOLD, A. E. Your child & his reading. Mont. State Col. Ext. C. 243,6 p. Sept.1952. 275.29 M76Ci

WOLD, A. E. Your teen ager and his parents. Mont. State Col. Ext. C. 245,14 p. Nov.1952. 275.29 M76Ci

NEBRASKA University, College of Agriculture, Agricultural Extension Service, Lincoln

CLAYBAUGH, J. H. Practical poultry equipment. Nebr. Agr. Col. Ext. C. 1441,rev.,24 p. Dec.1952. 275.29 N272Ex

NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. List of bulletins and circulars, College of Agriculture, University of Nebraska. Lincoln,1952. Various pagings. 275.29 N272Lid

NEW JERSEY State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. Cranberry insect and disease control chart, 1953. New Brunswick,1953? 275.29 N46Cr

NEW MEXICO College of Agriculture, Extension Service, State College

NEW MEXICO. COLLEGE OF AGRICULTURE. EXTENSION SERV. Publications available for free distribution. State College,1952. 20 p. 275.29 N463Pu

NEW YORK State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. List of publications, 1953. N. Y. Agr. Col. Cornell Ext. B. 47,rev.,49 p. Feb.1953. 275.29 N48E

MILLS, W. D., and LAPLANTE, A. A. Tree-fruit disease and insect control in the home garden. N. Y. Agr. Col. Cornell Ext. B. 665,rev.,4 p. Feb.1953. 275.29 N48E

SLATE, G. L., BRAUN, A. J., and MUNDINGER, F. G. Raspberry growing; culture, diseases, and insects. N. Y. Agr. Col. Cornell Ext. B. 719,rev.,68 p. Jan.1953. 275.29 N48E

MILLS, W. D., and LAPLANTE, A. A. 1953 spray schedules for tree fruits. N. Y. Agr. Col. Cornell Ext. B. 812,rev.,36 p. Feb.1953. 275.29 N48E

MAI, W. F., and LEAR, B. The golden nematode [Heterodera rostochiensis]. N. Y. Agr. Col. Cornell Ext. B. 870,32 p. Ref. 1952? 275.29 N48E

BUTT, G. L. Mending clothes and household fabrics. N. Y. Agr. Col. Cornell Ext. B. 871,15 p. n.d. 275.29 N48E

FENTON, F. Cooking frozen vegetables and fruits. N. Y. Agr. Col. Cornell Ext. B. 873,14 p. Feb. 1953. 275.29 N48E

ERICSON, M. H. Cake decorating. N. Y. Agr. Col. Cornell Ext. B. 877,16 p. Jan.1953. 275.29 N48E

SEAGEARS, C. B. The story of conservation in New York. N. Y. Agr. Col. Ext. Cornell Rur. School L. 46(2),32 p. Fall 1952. 275.29 N48R

NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Extension Service summer school of the Cornell University summer session 1953, July 6 to July 24. Ithaca,1953? 10 p. 275.29 N48Es

NORTH CAROLINA University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

PARRISH, C. F., and others. Chick raising. N. C. Agr. Col. Ext. C. 251,rev.,15 p. Feb.1953. 275.29 N811
W. G. Andrews, T. B. Morris, and C. J. Maupin, joint authors.

NORTH CAROLINA. UNIVERSITY. STATE COLLEGE OF AGRICULTURE AND ENGINEERING. EXTENSION SERV. Canning. N. C. Agr. Col. Ext. C. 271,rev.,31 p. July 1952. 275.29 N811

COX, B. F. Common poultry diseases. N. C. Agr. Col. Ext. C. 344,rev.,23 p. Feb.1953. 275.29 N811

JENKINS, J. M., HAASIS, F. A., and RITCHER, P. O. Growing Gladiolus in North Carolina. N. C. Agr. Col. Ext. C. 373,23 p. Jan.1953. 275.29 N811

GARRISS, H. R. Nematode control in flue-cured tobacco. N. C. Agr. Col. Ext. C. 374,15 p. Jan. 1953. 275.29 N811

COLLINS, E. R. Corn club manual for 4-H Club members. N. C. Agr. Col. Ext. Club Ser.3,rev.,8 p. Dec.1952. 275.29 N811C

FESSENDEN, J. G., and WILSON, S. V. A song of health. N. C. Agr. Col. Ext. Club Ser. 41,rev.,4 p. Jan.1953. 275.29 N811C

MCIVER, J. Socks and stockings. N. C. Agr. Col. Ext. Misc. Pam. 142,8 p.-folder. Dec.1952. 275.29 N811M

WHISNANT, M. Let's make housekeeping easier. N. C. Agr. Col. Ext. Misc. Pam. 143,15 p. Dec. 1952. 275.29 N811M

OHIO State University, College of Agriculture, Agricultural Extension Service, Columbus

MALINOVSKY, E. The junior 4-H poultryman. Ohio. Agr. Col. Ext. 4-H C. 157,rev.,16 p. Feb.1952. 275.29 Oh322

BARNES, H. Sow and litter, a 4-H project record. Ohio. Agr. Col. Ext. 4-H C. 169,8 p. Feb.1952. 275.29 Oh322

OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE AGRICULTURAL EXTENSION SERV. Flower gardening, by V. H. Ries. V. Columbus,1952. 12 p. 275.29 Oh32Fo

OHIO. STATE UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Outdoor cookery. Columbus,1952. 17 p. 275.29 Oh32Fo

OKLAHOMA Agricultural and Mechanical College, Extension Division, Stillwater

WARE, H. G., and WARREN, A. G. Poultry parasites. Okla. Agr. Col. Ext. C. 417,11 p. n.d. 275.29 Ok41C

STINNETT, L. H. Facing winter feeding problems. Okla. Agr. Col. Ext. C. 578,7 p. n.d. 275.29 Ok41C

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Have your soil tested--know what it needs. Okla. Agr. Col. Ext. C. 579,8 p.-folder. n.d. 275.29 Ok41C

MILLER, W. W. 4-H beef calf manual. Okla. Agr. Col. Ext. C. 585,21 p. n.d. 275.29 Ok41C

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Have fun, save money, be happy. Grow your own food garden. Okla. Agr. Col. Ext. C. 586,4 p. n.d. 275.29 Ok41C

OKLAHOMA. AGRICULTURAL AND MECHANICAL COLLEGE. EXTENSION DIV. Save our soils. Okla. Agr. Col. Ext. C. 590,8 p.-folder. n.d. 275.29 Ok41C

OREGON State College, Federal Cooperative Extension Service, Corvallis

OREGON. STATE COLLEGE. FEDERAL COOPERATIVE EXTENSION SERV. Trees against the wind. Pacific Nowest. B. 5,31 p. Jan.1953. 275.29 W27Pn

Extension Services of the State College of Washington and the University of Idaho cooperating.

OREGON. STATE COLLEGE.FEDERAL COOPERATIVE EXTENSION SERV. Agriculture and home economics bulletin list, December 1952. Corvallis,1952. 8 p. 275.29 Or32Av

Oregon Agriculural Experiment Station cooperating.

PENNSYLVANIA State College, Agricultural Extension Service, State College

PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Guide for 4-H local leaders. Pa. State Col. Agr. Ext. C. 408,20 p. Nov.1952. 275.29 P38C

DENNING, H. L., and LOWENBERG, M. E. Eating and growing. Pa. State Col. Agr. Ext. L. 154,4 p. Dec.1952. 275.29 P38L

SOUTH CAROLINA, Clemson Agricultural College, Extension Service, Clemson

NETTLES, W. C. Garden and truck crop insects. Clemson Agr. Col. S. C. Ext. B. 102,rev.,40 p. Oct.1952. 275.29 So8F

MARTIN, M., and VAN BLARICOM, L. O. Freezing foods for home use. Clemson Agr. Col. S. C. Ext. B. 110,rev.,34 p. Oct.1952. 275.29 So8F

NETTLES, W. C. Insect and plant disease handbook,South Carolina. Clemson Agr. Col. S. C. Ext. B. 114,138 p. Dec.1952. 275.29 So8F

BARKER, W. J., and others. Longer life for fence posts. Clemson Agr. Col. S. C. Ext. C. 262,rev., 15 p. Nov.1952. 275.29 So8E

G. H. Stewart, W. C. Nettles, and G. H. Dunkelberg, joint authors.

COCHRAN, J. H., and others. Peach pest control in South Carolina. Clemson Agr. Col. S. C. Ext. C. 360,rev.,16 p. Jan.1953. 275.29 So8E

R. J. Ferree, H. H. Foster, W. C. Nettles, and D. H. Petersen, joint authors.

WILLIAMS, S. A. The 1952 cotton contest, South Carolina. Clemson Agr. Col. S. C. Ext. C. 379,23 p. Jan.1953. 275.29 So8E

NETTLES, W. C., LEWIS, J. M., and SCHILLETTER, A. E. Control of root knot and other nematodes. Clemson Agr. Col. S. C. Ext. C. 382,16 p. Jan.1953. 275.29 So8E

LEWIS, J. M., and NETTLES, W. C. Tobacco insect control chart, South Carolina, 1953. Clemson Agr. Col. S. C. Ext. Inform. Card 82. Jan.1953. 275.29 So8I

UTAH State Agricultural College, Extension Service, Logan

KNOWLTON, G. F. Controlling the pea weevil [Bruchus pisorum]. Utah. State Agr. Col. Ext. C. 175,2 p. Jan.1953. 275.29 Ut1

BRUCE, J. V., and KNOWLTON, G. F. Controlling bats. Utah. State Agr. Col. Ext. C. 176,2 p. Jan.1953. 275.29 Ut1

ROWLEY, E. V., LOW, J. B., and KNOWLTON, G. F. Control of deer damage to orchard trees and ornamental shrubs. Utah. State Agr. Col. Ext. C. 177,2 p. Jan.1953. 275.29 Ut1

KNOWLTON, G. F. Hazards to operators in handling and applying pest control materials. Utah. State Agr. Col. Ext. M. S. 94,4 p. Feb.4,1953. 275.29 Ut1Ms

LIEBERMAN, F. V. Alfalfa insect control. Utah. State Agr. Col. Ext. M. S. 95,3 p. Feb.4,1953. 275.29 Ut1Ms

KNOWLTON, G. F. Grasshopper and mormon cricket [Anabrus simplex] control. Utah. State Agr. Col. Ext. M. S. 96,4 p. Feb.4,1953. 275.29 Ut1Ms

TAYLOR, M. H. Farm cooperatives in Utah; a directory. Utah. State Agr. Col. Ext. M. S. 483,rev.,20 p. June 1952. 275.29 Ut1Ms

VIRGINIA Agricultural and Mechanical College and Polytechnic Institute, Agricultural Extension Division, Blacksburg

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. DEPT. OF HORTICULTURE. Virginia spray bulletin, 1953; information for Virginia fruit growers. Va. Agr. Col. Ext. B. 131,rev.,23 p. Dec.1952. 275.29 V81B

Departments of Plant Pathology and Entomology cooperating.

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION DIV. Stretching your winter feed supplies. Va. Agr. Col. Ext. C. 567,5 p. Nov.1952. 275.29 V81C

WASHINGTON State College, Extension Service, Pullman

WASHINGTON. STATE COLLEGE EXTENSION SERV. 1953 spray recommendations for tree fruits in eastern Washington. Wash. State Col. Ext. B. 419,rev., 32 p. Jan.1953. 275.29 W27P

RASMUSSEN, L. W., and WOLFE, H. H. Weed killers are plant killers! Wash. State Col. Ext. C. 221,4 p.-folder. Feb.1953. 275.29 W27C

HOOBLER, S. Q. Keeping up on the farm outlook. Wash. State Col. Ext. C. 222,6 p.-folder. Jan.30, 1953. 275.29 W27C

JOHNSON, F., and HARRIS, M. R. Spray schedule for peaches in western Washington. Wash. State Col. Ext. Mimeog. 1473,2 p. Feb.1953. 275.29 W27Mi

WEST VIRGINIA University, College of Agriculture, Agricultural Extension Service, Morgantown

HYRE, H. M., and HASH, T. R. Look at the broiler business. W. Va. Agr. Col. Ext. C. 363,12 p. Jan. 1953. 275.29 W522C

HUMPHREYS, G., and GRAY, T. D. Let's preserve West Virginia's beauty. W. Va. Agr. Col. Ext. Good Living Ser. 20(4),6 p. n.d. 275.29 W522G

WASMUTH, G., and WATERS, H. T. Living room lighting. W. Va. Agr. Col. Ext. Good Living Ser. 20(6),4 p. n.d. 275.29 W522G

WEST VIRGINIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 4-H Club recreation; helps for 4-H Club members who are recreation leaders of local 4-H Clubs. Suggested activities for club recreation periods, by E. S. Ansel and D. Robinson. Morgantown,1952? 13 p. 275.2 W52Fh

WISCONSIN University, College of Agriculture, Agricultural Extension Service, Madison

PRZEDPELSKI, B. J., and others. New approaches for agricultural extension in problem areas. Wis. Agr. Col. Ext. B. 1,24 p. Sept.1952. 275.29 W75Ex
G. W. Hill, D. Ensminger, and E. A. Jorgensen, joint authors.

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. DEPT. OF VETERINARY SCIENCE. Foot and mouth disease. Wis. Agr. Col. Ext. C. 431,4 p. Dec.1952. 275.29 W75C

BOSLEY, D. A., and BECK, G. E. How to grow African violets [Saintpaulia]. Wis. Agr. Col. Ext. C. 437, 4 p. Jan.1953. 275.29 W75C

SCHOENEMANN, J. A. Growing Wisconsin potatoes. Wis. Agr. Col. Ext. C. 440,7 p. Feb.1953. 275.29 W75C

OGDEN, W. B., and FULTON, R. W. Tobacco seedbed hints. Wis. Agr. Col. Ext. C. 441,19 p. Feb. 1953. 275.29 W75C

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Insect control for Wisconsin in 1953. Wis. Agr. Col. Ext. Stencil C. 287,rev.,18 p. Jan.1953. 275.29 W75B

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Monthly bulletin of agricultural economics & statistics 11(1),52 p. Jan.1953. 251 F73Mb

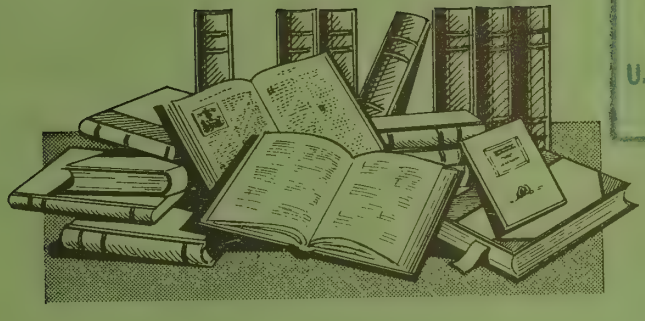
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the Council of FAO sixteenth session, 17-28 November 1952. 89 p. Dec. 1952. 389.9 F735Rç

PLANT Protection Bulletin 1(2):1-32;(3):33-48;(4):49-64. Nov.1952-Jan.1953. 421 P692

UNASYLVA 6(4):149-196. Dec.1952. 99.8 Un1

1.16
B4-71

BIBLIOGRAPHY OF AGRICULTURE



RECEIVED
JUN 30 1953
U. S. DEPARTMENT OF AGRICULTURE
WYNDMOOR

U.S. DEPARTMENT
OF AGRICULTURE
LIBRARY

MS 50012–59866 JUNE 1953 VOL. 17, No. 6

The subject index for volume 17 of the Bibliography of Agriculture will appear as number 12 of volume 17, the issue of December 1953.

Abbreviations used in this publication are from the United States Department of Agriculture Bibliographical Bulletin 12, List of Serials Currently Received in the Library of the United States Department of Agriculture, November 1, 1949. June 1950.

Call numbers following the citations are those of the United States Department of Agriculture Library. Please use them when requesting publications on loan from the Library.

Except for printed publications of the Department of Agriculture which are usually available in limited supply for free distribution, the publications listed herein are not available for free distribution from the Department. However, photoprint or microfilm copies of any publication listed may be obtained from the Library. Copying charges for each periodical article or book are:

MICROFILMS:
$1.00 for each 50 pages or fraction thereof from a single article or book.

PHOTOPRINTS:
$1.00 for each 10 pages or fraction thereof from a single article or book.

ALL CHARGES ARE CASH WITH ORDER. (Only Federal agencies are exempt.)
Enclose payment in cash, library coupon, check, or money order drawn to the Treasurer of the United States.

LIBRARY COUPONS—United States Department of Agriculture Library coupons valued at $1.00 each may be ordered in any quantity.

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Mar. 31, 1953).

UNITED STATES DEPARTMENT OF AGRICULTURE
LIBRARY

BIBLIOGRAPHY OF AGRICULTURE

Vol. 17, Pt. 1 | January-June | 1953
Items 1-59866

CONTENTS

	Item		
Plant Science	1-3044	11556-13569	20136-22839
	30514-32545	39483-42230	50012-52654
Soils and Fertilizers		3045-3836	13570-14059
	22840-23569	32546-33162	42231-43005
			52655-53353
Forestry	3837-4616	14060-14885	23570-24369
	33163-33692	43006-43793	53354-54153
Animal Industry		4617-6507	14886-16312
	24370-25844	33693-35216	43794-45288
			54154-55762
Entomology		6508-7668	16313-17247
	25845-26748	35217-36132	45289-46083
			55763-56813
Agricultural Engineering		7669-8204	17248-17619
	26749-27284	36133-36504	46084-46753
			56814-57200
Agricultural Products: Processing, Distribution, and Statistics	8205-10261	17620-19256	27285-29071
	36505-38225	46754-48581	57201-58804

	Item		
Agricultural Economics and Rural Sociology	10262-11330	19257-19958	29072-30211
	38226-39223	48582-49705	58805-59634
Food and Human Nutrition		11331-11405	19959-20026
	30212-30346	39224-39343	49706-49807
			59635-59720
Miscellaneous		11406-11555	20027-20135
	30347-30513	39344-39482	49808-50011
			59721-59866
United States Department of Agriculture Publications			
State Agricultural Experiment Station Publications			
State Agricultural Extension Service Publications			
Food and Agriculture Organization of the United Nations			
AUTHOR INDEXES			

Since most subscribers bind the Bibliography of Agriculture in two volumes per year, two title pages will be issued for volume 17, one for numbers 1 through 6, January to June, and one for numbers 7 through 12, July to December. The second title page will appear with the Indexes in the December issue.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
$6.00 per year, domestic; $8.00 per year, foreign. Single copies vary in price.

PLANT SCIENCE

GENERAL

50012 ALCORN, S. M., and ARK, P. A. Softening paraffin-embedded plant tissues. Stain Technol. 28:55-56. Mar.1953. 442.8 St1

50013 ALGERIA. DIRECTION DE L'AGRICULTURE Le Jardin d'Essai du Hamma, par P. Carra and M. Gueit. Alger,1952. 114 p. 451.1 AL32

50014 ALLAN, H. H. Some remarks on the species question. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:36-39. 1951,pub.1952. 90.09 R81R
In plants.

50015 ALVAREZ LOPEZ, E. Noticias y papeles de la expedición científica mejicana, dirigida por Sessé. Madrid. Jard. Bot. An. 10(2):5-79. 1951,pub.1952. 451 M262

50016 ASCH, J. Flowers of the nations. Flower Grower 40(5):54-55. May 1953. 80 M72

50017 BASULTO LIMON, A. El Jardín Botánico del Instituto Tecnológico, dependiente de la Universidad de Guadalajara. Soc. Bot. del Estado de Jalisco. B. 1:45-46. 1952. 451 So126

50018 BATTERSBY, B. K. The rose in design. Natl. Rose Soc. Rose Annu. 1953:49-53. 84 N21

50019 BECK, C. B. A new root species of Callixylon. Amer. J. Bot. 40:226-233. Ref. Apr.1953. 450 Am36

50020 BODGER SEEDS. Electros of flowers; a catalog of electroplates and nickeltypes of more than 400 flowers grown from seed in the United States and Canada with technical data, indexed nomenclature and miscellaneous information. Los Angeles,Huber,1952. 112 p. (Bodger Library of Horticultural Illustrations) 96.025 B63

50021 BURLAGE, H. M., and others. Studies on toxic plants for antibacterial effects. Tex. Rpt. Biol. & Med. 10:803-815. Ref. Winter 1952. 448.8 T31
M. E. Jones, G. F. McKenna, and A. Taylor, joint authors.

50022 BYLICKA, H., and others. Antibiotic substances from lichens. I. (In Polish.) Acta. Microbiol. Polon. 1:185-192. 1952. 448.3 Ac82
B. Jarosz, I. Nowicka, and W. Kunicki-Goldfinger, joint authors.
English summary.

50023 CAMARA, F. Sobre las especies botánicas. Madrid. Jard. Bot. An. 10(2):107-191. 1951,pub.1952. 451 M262

50024 CHEADLE, V. I., GIFFORD, E. M., and ESAU, K. A staining combination for phloem and contiguous tissues. Stain Technol. 28:49-53. Mar.1953. 442.8 St1

50025 CHEVALIER, A. La tropical rain forest en Océanie et au N du Tonkin. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:72-73. Jan./Feb.1953. 26 R323

50026 CLIFFORD, H. T., and COOKSON, I. C. Muscites yallournensis, a fossil moss capsule from Yallourn, Victoria. Bryologist 56:53-55. Mar.1953. 450 B84

50027 CLOS, E. C. Catálogo general 1951 de la Division de Exploraciones e Introducción de Plantas. Argentina. Inst. de Fitotecnia P. Tec. 68,139 p. 1952. 464.9 Ar324B

50028 CONARD, H. S. Classification of variable material. Science 117:364. Apr.3,1953. 470 Sci2
Designation by letters of different conditions found in one species.

50029 CORTES LATORRE, C. La mutaespecie, unidad sistemática fundamental. Madrid. Jard. Bot. An. 10 (2):81-105. 1951,pub.1952. 451 M262

50030 DANZE-CORSIN, P. Caractères généraux des Mariopteris et leur classification. Acad. des Sci. Compt. Rend. 236:1072-1073. Mar.9,1953. 505 P21

50031 DEBENHAM, F. Study of an African swamp. Report of the Cambridge University Expedition to the Bangweulu Swamps, Northern Rhodesia, 1949. London, H. M. Stationery Off.,1952. 88 p. 127 D35
Includes vegetation.

50032 DOBBS, C. G. A study of growth rings in trees. Forestry 25:104-125. 1952. 99.8 F767

50033 DVONCH, W., and BENEDICT, R. G. Elaboration of a subtenolin-like antibiotic by Bacillus pumilus. Antibiotics & Chemother. 3:192-194. Ref. Feb.1953. 396.8 An8

50034 ELIA, F. D'. Plant patents. (In Italian.) Agricoltura 2:33-35. Jan.1953. 16 Ag8226
English summary.
Italy.

50035 FLEMING, G. L. The annual floral show among the Torrey pines. Calif. Gard. 44:5-6,12. (Cont.) Spring 1953. 80 C127
Torrey Pines Park.

50036 FLORSCHÜTZ, P. A. Giving names to plants. The rules of nomenclature. II. (In Dutch.) Succulenta 2: 26-27. Mar./Apr.1953. 450 Su12

50037 GARDINER, A. C., and FLINT, E. A. A new technique for the determination of the rate of division of diatoms grown in vitro. Leeds Philos. & Lit. Soc. Sci. Sect. Proc. 6:90-96. Dec.1952. 501 L51

50038 GAUSSEN, H. La notion de surévolution. Ann. Biol. 56:295-300. Nov./Dec.1952. 442.8 An7
In plants.

50039 GAUSSEN, H. Voyage en Espagne et Sierra Nevada. (Abs.) Soc. des Sci. Nat. du Maroc. Compt. Rend. 8:152-153. 1952. 515 So1C
Vegetation.

50040 GLASAU, F. Das arboret "La Maulévrie" bei Angers, eine dendrologische betrachtung. Deut. Baumsch. 5:97-100. Apr.1,1953. 80 D486

50041 GLASAU, F. Das arboret Lehmkuhlen. Deut. Dendrol. Gesell. Mitt. 57:128-134. 1951/52. 99.9 D482

50042 GRIGSON, G. Three instruments of magic. Country Life [London] 113:1070-1071. Apr.9,1953. 80 C83
Hypericum perforatum, Artemesia annua and Sorbus aucuparia.

50043 GUTTENBERG, H. A. F. J. RITTER VON. Lehrbuch der allgemeinen botanik. Ed. 3. Berlin, Akademie-Verlag,1952. 641 p. 463 G98

50044 GUZOWSKA, B., ORZECHOWSKA, B., and KUNICKI-GOLDFINGER, W. The phytoncides of Allium cepa L. I. (In Polish.) Acta. Microbiol. Polon. 1:175-184. 1952. 448.3 Ac82
English summary.

50045 HORN AF RANTZIEN, H. Staining and plastic embedding of small mineralized plant fossils. Nature [London] 171:516-517. Mar.21,1953. 472 N21

50046 HORNER, N. C. Saint-Hilaire's "Flora brasiliae meridionalis." Mo. Bot. Gard. B. 41:57-59. Mar. 1953. 451 M69B

50047 HOWELL, J. T. Plant types in the Herbarium of the California Academy of Sciences. IX. Wasmann J. Biol. 10:363-378. Fall 1952. 442.8 W28

50048 HUGGENBERGER, M. L. The quest. Mo. Bot. Gard. B. 41:79-82. Apr.1953. 451 M69B
Rose lore.

50049 IRVINE, F. R. West African botany. Ed. 2., rev. London,Oxford U. Press,1952. 203 p. 460.47 Ir8W

50050 JACOB, K., JACOB, C., and SHRIVASTAVA, R. N. Evidence for the existence of vascular land plants in the Cambrian. Cur. Sci. 22:34-36. Ref. Feb.1953. 475 Sci23

50051 JONAS, F. Atlas zur bestimmung rezenter und fossiler pollen und sporen. Feddes Repert. Specierum Nov. Regni Veg. Beih. 133,60 p. Mar.31,1952. 450 R29B

50052 KAMMERER, E. L. Trees of the Morton Arboretum. V. Morton Arboretum. B. Pop. Inform. 28:9-10. Mar.1953. 99.9 M84

50053 KATS, N. IA. On the glacial retreats and dissemination of broadleaf species on the Eastern-European Plain in the post-sylvan period. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(6):52-53. Ref. 1952. 511 M85
Pollen analysis.

50054 KENNEDY, J. S., and MITTLER, T. E. A method of obtaining phloem sap via the mouth-parts of aphids. Nature [London] 171:528. Mar.21,1953. 472 N21

50055 KRSTIC, M., and DJURIŠIĆ, M. Les propriétés antibiotiques des cultures d'un Mérule. Acad. Serbe des Sci. Cl. des Sci. Math. et Nat. B. Sci. Nat. (n.s.)4:229-230. 1952. 510 B45

50056 KUHNHOLTZ-LORDAT, G. Le tapis végétal en Basse-Provence. Acad. d'Agr. de France. Compt. Rend. 39:104-106. Jan.14/21,1953. 14 P215Bc

50057 LABAW, G. D., and DESROSIER, N. W. Antibacterial activity of edible plant extracts. Food Res. 18: 186-190. Mar./Apr.1953. 389.8 F7322

50058 LICITIS, R. Air-borne pollen and spores sampled at five New Zealand stations, 1951-52. New Zealand J. Sci. & Technol. B, Gen. Res. Sect. 34:289-316. Ref. Jan.1953. 514 N48B

50059 LITTLE, J. E., and others. Ethyl gallate, a mycobacteria-specific antibiotic isolated from Haematoxylon campechianum. I-II. Antibiotics & Chemother. 3:183-191,203-207. Ref. Feb.1953. 396.8 An8
M. W. Foote, W. I. Rogers, and D. B. Johnstone, joint authors.
I, Isolation and chemical studies; II, Microbiological studies.

50060 MCLAUGHLIN, R. E. Plant microfossils from the Wilcox in northwest Louisiana. Tulane U. Grad. Sch. Abs. Diss. & Theses (ser.53)14:96. Nov.1,1952. 241.8 T82

50061 MCLEAN, R. C., and COOK, W. R. I. Textbook of practical botany. London,Longmans,Green,1952. 476 p 463 M222T

50062 MECKLENBURG, E. Baumformen im lebenskampf geprägt. Orion 8:288-291. Apr.1953. 474 Or4

50063 MIRAMS, R. V. A comparison of the gravity and impact methods of collecting spores and pollen grains from the atmosphere at Wellington, N.Z. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:378-383. Mar.1953. 514 N48B

50064 MULLER-SCHNEIDER, P. Vom böhmischen storchschnabel [Geranium bohemicum]. Leben u. Umwelt 9:106-107. Feb.1953. 410 L49

50065 MULLIGAN, B. O. The Arboretum in the winter. Arboretum B. 16:1-2,28-29. Spring 1953. 451 Ar1
University of Washington Arboretum.

50066 NORTHEN, H. T. Introductory plant science. New York,Ronald,1953. 601 p. 463 N81

50067 PECK, R. E. Fossil charophytes. Bot. Rev. 19:209-227. Ref. Apr.1953. 450 B6527

50068 PHILIPPS, T. A botanist's paradise. Country Life [London] 113:562-564. Feb.27,1953. 80 C83
Ruwenzori Mts.

50069 RANDS, R. L. The water lily in Maya art: a complex of alleged Asiatic origin. Smithsn. Inst. Bur. Amer. Ethnol. B. 151:75-153. Ref. 1953. 500 Sm63B

50070 ROBERTS, R. H. A naturally occurring antiauxin. Science 117:456-457. Apr.24,1953. 470 Sci2
Effects of antibiotics from flowering plants on plant growth.

50071 SAHNI, K. C. Botanical exploration in the Great Nicobar Island. Indian Forester 79:3-16. Ref. Jan.1953. 99.8 In2

50072 SCHMUCKER, T. Was ist ein baum? Deut. Dendrol. Gesell. Mitt. 57:14-19. 1951/52. 99.9 D482

50073 SENARATNA, J. E. Carnivorous plants of Ceylon. Trop. Agr. [Peradeniya] 108:162-165. July/Sept. 1952. 26 T751

50074 SEWELL, T. G. Survey of the vegetation of the Moutere gravel formation, Nelson. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:232-233. 1951,pub.1952. 90.09 R81R

50075 WARD, F. K. The mountains of Mourne. Gard. Chron. 133:120. Apr.4,1953. 80 G162
Vegetation in Northern Ireland.

50076 ZARBOCK, MRS. W. Destruction of the wild dogwood. Garden Gossip 28(4):6. Apr.1953. 80 G1625
Conservation of dogwood which is being sold for timber.

50077 ZÖTTEL, H. Das land der 150 täler, Engiadina terra fina. Orion 8:268-277. Apr.1953. 474 Or4
Includes vegetation.

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

50078 ALAIN, H. El endemismo en la flora de Cuba. Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 21:187-193. Jan.1953. 410.9 So15

50079 BERTSCH, K. Seltene pflanzen unserer flora. Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107: 133-136. 1951,pub.1952. 509 W96

50080 BOWEN, H. J. M. Additions to the flora of Lundy. Watsonia 2:303-307. Ref. Jan.1953. 450 W33
Lundy Island, England.

50081 CARR, L. G. K. New additions to the flora of Arkansas. (Abs.) Ark. Acad. Sci. Proc. 5:11. 1952. 500 Ar42

50082 DETLING, L. E. Relict islands of xeric flora west of the Cascade Mountains in Oregon. Madroño 12: 39-47. Apr.1953. 450 M26

50083 GUDEX, M. C. The native flora of Pirongia Mountain. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7: 43-44. 1951,pub.1952. 90.09 R81R

50084 KEARNEY, T. H., MCCLINTOCK, E., and PARKER, K. F. Recent additions to the known flora of Arizona. L. West. Bot. 7:1-11. Feb.28,1953. 450 L47

50085 KIBBE, A. L. A botanical study and survey of a typical mid-western county, Hancock County, Illinois, covering a period of 119 years, from 1883 to 1952. Rev. Carthage,Ill.,1952. 425 p. 455.24 K53

50086 LOSA, T. M., and MONTSERRAT, P. Aportación al estudio de la flora de los Montes Cantábricos. Madrid. Jard. Bot. An. 10(2):413-509. Ref. 1951,pub. 1952. 451 M262

50087 MAHLER, K. Uber die verbreitung einiger pflanzen auf der Ostalb und ihrem vorland. Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107:176-190. 1951,pub.1952. 509 W96

50088 MOORE, D. M. Additional new records for the Arkansas flora. II. Ark. Acad. Sci. Proc. 5:91-93. 1952. 500 Ar42

50089 QUEZEL, P. Contribution à la flore du Grand Atlas oriental. Soc. des Sci. Nat. du Maroc. B. 31:253-264. Second Semes.1951,pub.1952. 515 So1

50090 SIMPSON, F. W. Plant records and additions and corrections to the flora of Suffolk. Suffolk Nat. Soc. Trans. 8:12-22. 1952. 410.9 Su2

50091 VOSS, E. G. The history of keys and phylogenetic trees in systematic biology. Denison U. Sci. Lab. J. 43:1-25. Ref. Dec.1952. 500 G76
Includes botany.

50092 WALLACE, E. C. Plant records. Watsonia 2: 335-358. Jan.1953. 450 W33
Great Britain.

50093 WATERFALL, U. T. A catalogue of the flora of Oklahoma. Stillwater,Res. Found.,1952. 91 p. 455.59 W29

Spermatophytes

50094 ÅBERG, B. The altitudinal limits of vascular plants in Lule Lappmark and in Graubünden, a comparison. (In Swedish.) Svensk Bot. Tidskr. 46:286-312. Ref. 1952. 450 Sv2
English summary.

50095 ALAIN, HERMANO. Novedades en la flora de Cuba. III. Col. de La Salle. Mus. de Hist. Nat. Contrib. Ocas. 12,13 p. Mar.1953. 516 H292
Includes new species in Phyllanthus, Ilex, Thouinia, Maytenus, Gouania, Banara, Terminalia, Calyptranthes, Myrtekmania, Mozartia, and Eugenia.

50096 ALLEN, P. H. The orchids of Panama; an annotated check-list. Orchid J. 2:19-23. (Cont.) Jan.1953. 80 Or174

50097 ARÈNES, J. Contribution à l'étude des Composées-Carduacées d'Afrique. Inst. Franç. d'Afrique Noire. B. 15:59-71. Ref. Jan.1953. 515 D14
Includes new species in Atractylis and Centaurea.

50098 ARÈNES, J. Révision du genre "Macarisia" Thou (Rhizophoracées). Notulae System. 14:248-252. Dec.1952. 452 L493

50099 BACKEBERG, C. Un nouveau Trichocereus voisin de T. shaferi et T. schickendantzii. Cactus [Paris] 8:147-148. Mar.15,1953. 450 C114

50100 BAKER, M. S. A correction in the status of Viola macloskeyi. Madroño 12:60. Apr.1953. 450 M26

50101 BANCALARI, C. Monografía del maguey del pulque [Agave atrovirens]. Soc. Bot. del Estado de Jalisco. B. 1:37-43. 1952. 451 So126

50102 BEIJERINCK, W. The Rubus-flora of Belgium and Netherlands, its study and problems. (In Dutch.) Biol. Jaarb. 19:28-51. 1952. 410 B52

50103 BOERNER. Ginkgo biloba. Deut. Dendrol. Gesell. Mitt. 57:9-13. Ref. 1951/52. 99.9 D482

50104 BOIVIN, B. Two new variations in Trillium. Rhodora 55:101-102. Mar.1953. 450 R34

50105 BORJA CARBONELL, J. Una visita a las localidades clásicas del Geranium subargenteum Lge., Onobrychis reuteri Leresche y a los brezales de Mabe. Madrid. Jard. Bot. An. 10(2):399-412. 1951,pub.1952. 451 M262

50106 BROADHEAD, E. Fawn lilies [Erythronium montanum] in Paradise Valley. Horticulture 31:155,186-187. Apr.1953. 80 H787

50107 BUINING, A. F. H. Malacocarpus fricii (Arech.) Berger. (In Dutch.) Succulenta 2:21. Mar./Apr. 1953. 450 Su12

50108 BUXBAUM, F. Qu'est-ce que le Cereus euphorbioides Haworth? Cactus [Paris] 8:159-164. Mar. 15,1953. 450 C114

50109 CAMARA, H. In defense of rare species. (In Portuguese.) Lav. e Criação 7(45):34-35. Dec.1952. 49 L392
The Pau Brasil, Caesalpinia echinata.

50110 CAMUS, A. Contributions à la flore de l'Asie Orientale. Notulae System. 14:252-258. Dec.1952. 452 L493
Includes new species in Arundinaria, Chrysopogon, Isachne, and Lithocarpus.

50111 CAPURON, R. Identité des genres "Nesogordonia" H. Bn et "Cistanthera" K. Schum. et description de deux espèces nouvelles de Madagascar. Notulae System. 14:258-263. Dec.1952. 452 L493

50112 CAVACO, A. Deux "Cyathula" (Amarantacées) nouveaux pour la flore de Madagascar et pour la science. Notulae System. 14:263-265. Dec.1952. 452 L493

50113 CLASON, E. W. Indian lettuce [Montia rivularis] in North Drenthe. (In Dutch.) Levende Nat. 56:50-52. Mar.1953. 410 L57

50114 COTTON, A. D. Supplement to Elwes' Monograph. VII. Notholirion thomsonianum. Lily Ybk. 16:47-55. 1953. 96.46 R81

50115 DAVIES, E. W. Notes on two rare Scottish sedges. Watsonia 2:300-302. Jan.1953. 450 W33
Carex microglochin and C. rupestris.

50116 DAY, F. M. Plants of the Silurian limestones on the west of the Malvern Hills. Watsonia 2:289-296. Jan.1953. 450 W33

50117 DUMAZ-LE-GRAND, N. Contribution a l'étude des légumineuses (Papilionacées) de Madagascar. Notulae System. 14:265-270. Dec.1952. 452 L493
Includes new species in Tephrosia and Ormocarpopsis.

50118 DURUTY, G. A. Native orchids of Trinidad. Orchid J. 2:77-80. Feb.1953. 80 Or174

50119 DUURSMA, G. G. Aztekium ritteri Böd. (In Dutch.) Succulenta 2:25-26. Mar./Apr.1953. 450 Su12

50120 FERREYRA, R. A revision of the Colombian species of Monnina (Polygalaceae). Smithsn. Inst. Misc. Collect. 121(3),59 p. Feb.3,1953. 500 Sm6M
Includes new species.

50121 FRAASSEN, A. M. VAN. De kiemplanten der tweezaadlobbige akkeronkruiden [Seedlings of dicotyledonous field weeds]. 1. Netherlands. Landbvoorlichtingsdienst. Meded. 67,34 p. 1952. 12 N383
Identification.

50122 GAGNEPAIN, F. Sabiacées nouvelles d'Indochine ("Sabia" et "Meliosma"). Notulae System. 14:271-276. Dec.1952. 452 L493
Includes new species in Sabia and Meliosma.

50123 GOMBAULT, R. Une énigmatique Ombellifère syrienne. Notulae System. 14:276-278. Dec.1952. 452 L493
Pimpinella euphratica.

50124 GRAY, N. E. A taxonomic revision of Podocarpus. VIII. The African species of section Eupodocarpus, subsections A and E. Arnold Arboretum. J. 34:163-175. Ref. Apr.1953. 451 Ar6J

50125 HAKANSSON, S. Viscaria alpina (L.) G. Don and V. alpina (L.) G. Don x vulgaris Bernh. in southeastern Blekinge. (In Swedish.) Bot. Not. 4:411-424. 1952. 450 B656
English summary.

50126 HAWKES, A. D. An introduction to Paphiopedilum. Orchid J. 2:7-10. (Cont.) Jan.1953. 80 Or174

50127 HAWKES, A. D. The genera and species of cultivated orchids. I. Orchid J. 2:97-100. Mar.1953. 80 Or174

50128 HAWKES, A. D. A note on Stanhopea anfracta Rolfe. Orchid J. 2:68-69. Feb.1953. 80 Or174

50129 HAWKES, A. D. Studies in Brazilian palms. I-III. Arq. de Bot. do Estado de S. Paulo (n.s.)2:173-193. Jan.3,1952. 451 In7Ar
Includes new species in Arecastrum and Syagrus.

50130 HAYASHI, Y. Notes on Japanese trees. I. (In Japanese.) Rin-Go-Shiken-Hokoku 57:151-161. Dec.1952. 99.8 R47
Includes new spec in Alnus and Ilex.

50131 HERTRICH, W. Aloes. Lasca Leaves 3(2):17-23. Apr.1953. 450 L33

50132 HINGORANI, G. R. Indian belladonna. Indian Forester 79:36-48. Ref. Jan.1953. 99.8 In2
Atropa acuminata.

50133 HOCHREUTINER, B. P. G. "Macrostelia," un nouveau genre extraordinaire de Malvacées de Madagascar. Notulae System. 14:229-234. Dec.1952. 452 L493

50134 HOEHNE, F. C. Material for the history of the name Meibomia in botanical taxonomy. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:168-170. Jan.3,1952. 451 In7Ar

50135 HOEHNE, F. C. A new Aristolochia of uncertain habitat. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:171. Jan.3,1952. 451 In7Ar

50136 HOEHNE, F. C. New species and varieties of Orchidaceae in Brazil. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:121-136. Jan.3,1952. 451 In7Ar
Includes new species in Itaculumia, Habenaria, Pleurothallis, and Maxillaria.

50137 HOEHNE, F. C. Notes on the genus Laelia Lindl. of the Orchidaceae and a new species of it from the State of Minas Gerais. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:157-167. Jan.3,1952. 451 In7Ar

50138 HOEHNE, F. C. The Orchidaceae noted and illustrated for Flora Fluminensis of Frei Jose Mariano da Conceição Vellozo and their present nomenclature. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:141-146. Jan.3,1952. 451 In7Ar

50139 HOEHNE, F. C. Preliminary list of species of the genus Encyclia Hooker for revision. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:147-156. Jan.3,1952. 451 In7Ar

50140 HOEHNE, F. C. What is going to happen to Epidendrum imbricatum Lamarck? (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:137-140. Jan. 3,1952. 451 In7Ar

50141 HÖGSTRÖM, U. On an Orchis hybrid, never before observed. Svensk Bot. Tidskr. 46:484-487. 1952. 450 Sv2

50142 HOWARD, R. A., and SMITH, C. E. The identity of Valentinia ilicifolia Swartz. Arnold Arboretum. J. 34:176-181. Apr.1953. 451 Ar6J

50143 HOWARD, R. A., and BRIGGS, W. R. New species and distribution records for Las Villas Province, Cuba. Arnold Arboretum. J. 34:182-186. Apr.1953. 451 Ar6J
Includes new species in Dorstenia, Erythrina, Tetrazygia, and Pectis.

50144 HOWELL, J. T. Some places where Phacelias grow. L. West. Bot. 7:11-15. Feb.28,1953. 450 L47

50145 HU, S. Y. Ilex in Taiwan and the Liukiu Islands. Arnold Arboretum. J. 34:138-162. Apr.1953. 451 Ar6J
Includes I. brachypoda n. sp.

50146 HUTCHISON, P. C. Studies of South American Cactaceae. 2. Echinocactus humilis Philippi. Cactus & Succulent J. 25:34-37. Mar./Apr.1953. 451 C11

50147 JANSE, J. A. Methods of Cactus systematics. (In Dutch.) Succulenta 2:18-20. Mar./Apr.1953. 450 Su12

50148 JONSSON, P. N. Orchis strictifolia var. ochroleuca found in Jämtland Silurian soils. (In Swedish.) Svensk Bot. Tidskr. 46:491-492. 1952. 450 Sv2

50149 JOVET, P. Nuxia humberti, spec. nov., Loganiacée nouvelle de Madagascar. Description et considérations sur l'évolution de l'inflorescence des "Nuxia." Notulae System. 14:281-288. Dec.1952. 452 L493

50150 KIMNACH, M. The genus Adromischus. Cactus & Succulent J. 25:41-48. Ref. Mar./Apr.1953. 451 C11

50151 KOBUSKI, C. E. Studies in the Theaceae. XXVII. Miscellaneous new species in Theaceae. Arnold Arboretum. J. 34:125-137. Apr.1953. 451 Ar6J
New species in Adinandra, Eurya, and Freziera.

50152 KREH, W. Die besiedlung des mittleren Neckarlandes durch den wolligen schneeball (Viburnum lantana). Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107:161-172. 1951,pub.1952. 509 W96

50153 KRUIJNE, A. A. Vegetatieve herkenning van onze akkeronkruiden [Vegetative classification of our field weeds]. Netherlands. Landbvoorlichtingsdienst. Meded. 65,55 p. 1952. 12 N383

50154 KUCERA, C. L. The genus Lyonia in Missouri. Rhodora 55:155. Apr.1953. 450 R34

50155 KÜKENTHAL, G. Vorarbeiten zu einer monographie der Rhynchosporideae. Bot. Jahrb. 75:451-497. June 1952. 450 En3B

50156 LEANDRI, J. Les Euphorbes épineuses et coralliformes de Madagascar. Cactus [Paris] 8:141-146. (Concl.) Mar.15,1953. 450 C114

50157 LEANDRI, J. Observations sur quelques Thyméléacées indochinoises. Notulae System. 14:288-292. Dec.1952. 452 L493

50158 LEVINA, F. IA. Artemisia taurica Willdenow within the boundaries of the arid steppe in the South and South East of the European part of the USSR. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:140-155. Ref. 1952. 451 Sa21G

50159 LEWIS, H., and LEWIS, M. New species and changes in nomenclature in the genus Clarkia (Onagraceae). Madroño 12:33-39. Apr.1953. 450 M26

50160 LINDSAY, D. R. Taxonomic investigations on wild oats [Avena fatua]. No. Cent. Weed Control Conf. Proc. 9:20-22. 1952. 79.9 N81

50161 LINDSAY, G. A new Mammillaria [M. boolii]. Cactus & Succulent J. 25:48-49. Mar./Apr.1953. 451 C11

50162 LITARDIÈRE, R. DE. Sur la réparition en Espagne des Festuca du groupe du F. ovina L. subsp. laevis Hack. (var. gallica St-Y. et var. marginata Hack.) Madrid. Jard. Bot. An. 10(2):291-300. 1951,pub.1952. 451 M262

50163 LOHSCHÜTZ, I. Die wichtigsten vertreter der gattung Cymbidium; ihre heimat und geographische verbreitung. Orchidee 4:12-23. Ref. Jan./Mar.1953. 85 Or1

50164 LOURTEIG, A. Mayacaceae. Notulae System. 14:234-248. Ref. Dec.1952. 452 L493

50165 LUNDBERG, F. Hypericum humifusum L. found in Halland. (In Swedish.) Svensk Bot. Tidskr. 46: 492-493. 1952. 450 Sv2

50166 MALHEIROS, G. Considerations on the botany of orchids. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(11):56-59. Nov.1952. 9.2 M663

50167 MOLDENKE, H. N. Additional notes on the Eriocaulaceae. IX. Phytologia 4:200-208. Mar.1953. 450 P563

50168 MOLDENKE, H. N. The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae, and Eriocaulaceae. Supplement 6. Phytologia 4:184-200. Mar.1953. 450 P563

50169 MOLDENKE, H. N. Notes on new and noteworthy plants. XV. Phytologia 4:173-184. Mar.1953. 450 P563
Includes new species in Aegiphila, Eriocaulon, Premna, Verbena, and Syngonanthus.

50170 MONOD, T. Notes sur les Gynandropsis (Cappar.) ouest-africains. Notes Africaines 57:9-10. Jan.1953. 475 N84

50171 MORLEY, T. A new genus and three new species in the Memecyleae (Melastomaceae). Amer. J. Bot. 40:248-255. Apr.1953. 450 Am36
New species in Coryphadenia n.g. and Mouriri.

50172 MOSHER, M. M., and LUNNUM, K. Trees of Washington. Wash. State Col. Ext. B. 440,rev.,40 p. Jan. 1953. 275.29 W27P

50173 NANNFELDT, J. A. An albino Orchis strictifolia found in West Götaland. (In Swedish.) Svensk Bot. Tidskr. 46:492. 1952. 450 Sv2

50174 NILSSON, Ö. Some nice plant finds in north Halland. (In Swedish.) Svensk Bot. Tidskr. 46:493-494. 1952. 450 Sv2

50175 PABST, G. F. J. A contribution to the knowledge of the orchids of Santa Catarina and their geographic distribution. I. (In Portuguese.) An. Bot. 4(4):69-86. June 22,1952. 450 An1

50176 PAUNERO, E. Las especies españolas del género Alopecurus. Madrid. Jard. Bot. An. 10(2):301-345. 1951,pub.1952. 451 M262

50177 PAWŁOWSKA, S. De nonnullis Saxifragis carpaticis et balcanicis. Soc. Bot. Polon. Acta 22:225-244. Ref. 1953. 451 So16
In Latin.

50178 PAWŁOWSKI, B. Alchemillae in tribus itineribus balcanicis lectae. Soc. Bot. Polon. Acta 22:245-258. Ref. 1953. 451 So16
In Latin.

50179 PELLEGRIN, F. Les Rhizophoracées de l'Afrique Equatoriale Française. Notulae System. 14: 292-300. Dec.1952. 452 L493
Includes a new species in Cassipourea.

50180 PERRIER DE LA BATHIE, H. "Adansonia" de Madagascar; clef et diagnoses. Notulae System. 14: 300-304. Dec.1952. 452 L493

50181 PERRIER DE LA BATHIE, H. Un "Foetidia" nouveau de Madagascar. Notulae System. 14:304-305. Dec.1952. 452 L493

50182 PERRIER DE LA BATHIE, H. Lythraceae novae madagascarienses. Notulae System. 14:306-309. Dec.1952. 452 L493
Includes new species in Nesaea, Rotala, and Ammania.

50183 PERRIER DE LA BATHIE, H. Note sur "Clematis pseudoscabiosaefolia" nom. nov. de Madagascar. Notulae System. 14:309. Dec.1952. 452 L493

50184 PERRIER DE LA BATHIE, H. Une "rose de Jéricho [Halorrhagis jerosoides]" à Madagascar. Notulae System. 14:305-306. Dec.1952. 452 L493

50185 PETELOT, A. Les plantes médicinales du Cambodge, du Laos et du Viêtnam. Arch. des Rech. Agron. au Cambodge, au Laos, et au Viêtnam 14,408 p. 1952. 22.5 Sa22
Ranuculaceae to Cornaceae.

50186 PICHON. Classification des Apocynacées. XXXIII. Les sous-tribus des Carissées. Notulae System. 14:310-315. Dec.1952. 452 L493

50187 POLUNIN, N. Vascular plants from Mill Island, Hudson Strait. Canad. Field-Nat. 66:165-167. Nov./Dec.1952. 410.9 Ot8

50188 RAIZADA, M. B., and BHARADWAJA, R. C. Indian species of Cleistachne Benth. Indian Forester 79:121-123. Feb.1953. 99.8 In2

50189 RAMBO, B. Geographic analysis of south Brazilian Compositae. (In Portuguese.) An. Bot. 4(4):87-159. Ref. June 22,1952. 450 An1

50190 RAMBO, B. Sapindaceae of Rio Grande. (In Portuguese.) An. Bot. 4(4):161-185. June 22,1952. 450 An1

50191 RECHINGER, K. H. Zur flora von Palästina und Transjordanien. Reliquiae samuelssonianae. V. Arkiv f. Bot. 2:271-455. 1952. 451 Sv2

50192 REITZ, P. R. Bromeliaceae of Santa Catarina. IV. (In Portuguese.) An. Bot. 4(4):47-66. June 22,1952. 450 An1

50193 REITZ, P. R. Discussion of Bromeliaceae occurring in Santa Catarina (Brazil). (In Portuguese.) An. Bot. 4(4):41-45. June 22,1952. 450 An1

50194 REITZ, P. R. Present list of Bromeliaceae in Santa Catarina. (In Portuguese.) An. Bot. 4(4):37-40. June 22,1952. 450 An1
German summary.

50195 REITZ, P. R. Species, varietates, combinationes novae et criticae Bromeliacearum catharinensium (Brasilia). (In Portuguese.) An. Bot. 4(4):7-36. June 22, 1952. 450 An1
German summary.
Includes new species in Vriesia, Wittrockia, Aechmea, and Billbergia.

50196 REYNOLDS, G. W. Four new Aloes from Kenya Colony. J. So. African Bot. 19:1-11. Jan.1953. 450 J8262

50197 REYNOLDS, G. W. The identity of Aloe secundiflora Engler. J. So. African Bot. 19:13-16. Jan. 1953. 450 J8262

50198 RICKER, P. L. Wild flowers in color, Pacific States. I. Wild Flower 29:3. Jan.1953. 451 W642
Darlingtonia californica and Senecio integerrimus.

50199 ROACH, A. W., and SILVEY, J. K. G. Establishment and utilization of bulbous bluegrass, Poa bulbosa L., in north Texas subseres. I. Tex. J. Sci. 5:59-63. Mar.30,1953. 470 T31

50200 RODIN, R. J. Distribution of Welwitschia mirabilis. Amer. J. Bot. 40:280-285. Apr.1953. 450 Am36

50201 ROLLINS, R. C. Braya in Colorado. Rhodora 55:109-116. Ref. Apr.1953. 450 R34

50202 ROLLINS, R. C. A new Sisymbrium from Arizona. L. West. Bot. 7:15-16. Feb.28,1953. 450 L47

50203 RUPP, H. M. R. A new Australian Dendrobium [D. masonii]. Austral. Orchid Rev. 18:18-21. Mar.1953. 80 Au73

50204 SAUVAGE, C., and VINDT, J. Révision de l'herbier de l'Institut Scientifique Chérifien. Notes critiques. Soc. des Sci. Nat. du Maroc. B. 31:237-252. Second Semes.1951,pub.1952. 515 So1

50205 SCHULTES, R. E. Studies in the genus Hevea. VII. Harvard U. Bot. Mus. L. 16:21-44. Mar.16,1953. 451 H262

50206 SENARATNA, J. E. Salvinia in Ceylon. Trop. Agr. [Peradeniya] 108:194-195. July/Sept.1952. 26 T751

50207 SHANKS, R. E. Woody plants of Tennessee: first supplement. Tenn. Acad. Sci. J. 28:158-159. Apr. 1953. 500 T25A

50208 SILLANS, R. Matériaux pour la flore de l'Oubangui-Chari. Notulae System. 14:317-328. Dec. 1952. 452 L493
Urticaceae and Bignoniaceae.

50209 SILLANS, R. À propos de "Helichrysum humberti" R. Sillans. Notulae System. 14:315-317. Dec.1952. 452 L493

50210 SKALLERUP, H. R. Our self-pruning persimmon (Diospyros virginiana). Mo. Bot. Gard. B. 41:39-40. Feb.1953. 451 M69B

50211 SLADE, B. F. Cladode anatomy and leaf-trace systems in New Zealand. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:41. 1951,pub.1952. 90.09 R81R
Interrelation of Carmichaelia, Notospartium, Corallospartium and Chordospartium.

50212 SLEUMER, H. Die arten der gattung Gaultheria L. in Brasilien. Bot. Jahrb. 75:443-450. June 1952. 450 En3B

50213 SMITH, A. C. Studies of Pacific Island plants. XVI. Notes on Fijian Rubiaceae. Arnold Arboretum. J. 34:97-124. Apr.1953. 451 Ar6J
Includes new species in Gardenia, Ixora, and Psychotria.

50214 SMITH, L. B. Bromeliáceas notáveis do Herbário do Museu Nacional, Rio de Janeiro [Noteworthy Bromeliaceae in the Herbarium of the National Museum, Rio de Janeiro]. Mus. Nac. B. Nova Sér. Bot. 15,7 p. Oct.31,1952. 516 R47Bb
New species in Bromelia, Orthophytum, and Pitcairnia.

50215 SMITH, L. B. New or interesting Bromeliaceae from Brazil. (In Portuguese.) Arq. de Bot. do Estado de S. Paulo (n.s.)2:195-198. Jan.3,1952. 451 In7Ar

50216 SMITH, L. B. Some new combinations in Guatemalan Bromeliaceae. Wash. Acad. Sci. J. 43:68-69. Mar.1953. 500 W276J

50217 SMITH, L. B. Variation in Vriesia friburgensis Mez. (In Portuguese.) An. Bot. 4(4):67-68. June 22, 1952. 450 An1

50218 STEYERMARK, J. A. Color form of Helianthus mollis. Rhodora 55:108. Mar.1953. 450 R34

50219 STEYERMARK, J. A. Elymus riparius in Illinois. Rhodora 55:156. Apr.1953. 450 R34

50220 SYLVEN, N. Veronica montana found in Öland. (In Swedish.) Bot. Not. 4:439. 1952. 450 B656

50221 TISCHER, A. Contribution to a knowledge of the genus Conophytum N.E.Br. (In Dutch.) Succulenta 2: 22-24. Mar./Apr.1953. 450 Su12

50222 TOREN, C. A. A new locality for Geranium lanuginosum Lam. in the Stockholm region. (In Swedish.) Svensk Bot. Tidskr. 46:490. 1952. 450 Sv2

50223 TOREN, C. A. Stipa pennata at Falbygden, 1952. (In Swedish.) Svensk Bot. Tidskr. 46:490. 1952. 450 Sv2

50224 TUCKER, J. M. The relationship between Quercus dumosa and Quercus turbinella. Madroño 12:49-60. Apr.1953. 450 M26

50225 ULF, B. Kungsmarken, an inventory of vascular plants together with a short note on interesting species occurring in the area. (In Swedish.) Bot. Not. 4: 425-438. 1952. 450 B656

50226 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Publications on the identification of seeds. Washington,1953. 4 p. 1.914 P2P962

50227 VICIOSO, C. Tréboles españoles. Revisión del género Trifolium. Madrid. Jard. Bot. An. 10(2):347-398. 1951,pub.1952. 451 M262

50228 WALKER, A. Une plante de la brousse gabonaise d'importation anglaise. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:87-88. Jan./Feb.1953. 26 R323
Chrysobalanus icaco.

50229 WEBER, W. A. Balsamorhiza terebinthacea and other hybrid balsam-roots. Madroño 12:47-49. Apr. 1953. 450 M26

50230 ZIMMERMANN, W. Unsere küchenschelle (pulsatilla). Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21:132-156. Ref. 1952. 410.9 W96
Anemone pulsatilla.

Pteridophytes

50231 BENEDICT, R. C. The ten best ferns for northeastern gardens. Amer. Fern J. 43:1-6. Jan./Mar. 1953. 450 Am35

50232 COHN, J., and RENLUND, R. N. Notes on Azolla caroliniana. Amer. Fern J. 43:7-11. Ref. Jan./Mar.1953. 450 Am35

50233 COPELAND, E. B. New or interesting American ferns. Amer. Fern J. 43:11-18. Jan./Mar.1953. 450 Am35
Includes new species in Botrychium, Cyclosorus, and Hyalotricha, n. g.

50234 COPELAND, E. B. New Philippine ferns. IX. Philippine J. Sci. 81:1-47. Mar.1952. 475 P53
New species in Mecodium, Microtrichomanes, Sticherus, Hiriopteris, Dicranopteris, Dennstaedtia, Microlepia, Lindsaea, Pteris, Oleandra, Nephrolepis, Cyathea, Gymnosphaera, Polystichum, Cyclopeltis, Bolbitis, Edanyoa, Lomagramma, Ctenitis, Tectaria, Lastrea, Cyclosorus, Athyrium, Goniophlebium, Microsorium, Pyrrosia, Crypsinus, Selliguea, Acrosorus, Ctenopteris, and Vittaria.

50235 DEWOLF, G. P. On the value of some taxonomic characteristics in the Cyatheaceae. Tulane U. Grad. Sch. Abs. Diss. & Theses (ser.53)14:96. Nov.1,1952. 241.8 T82

50236 KORNAŚ, J. Botrychium lanceolatum (Gmel.) Ångström — une fougère nouvelle pour la flore de la Pologne. (In Polish.) Soc. Bot. Polon. Acta 22:77-84. Ref. 1953. 451 So16
French summary.

50237 TARDIEU-BLOT. Catalogue des Filicinées d'Afrique Occidentale et Equatoriale Française. I. Notulae System. 14:335-365. (Cont.) Dec.1952. 452 L493

50238 TARDIEU-BLOT. Un "Gymnosphaera" (Cyatheaceae) nouveau d'Afrique Occidentale. Notulae System. 14:328-330. Dec.1952. 452 L493

50239 TARDIEU BLOT. Un "Oleandra" nouveau d'Afrique. Notulae System. 14:332-333. Dec.1952. 452 L493

50240 TARDIEU-BLOT. Sur le genre "Isoloma J. Sm." et l' "Isoloma lanuginosum J. Sm." Notulae System. 14:330-332. Dec.1952. 452 L493

50241 TARDIEU-BLOT. Sur les "Athyrium" d'A. O. F. et A. E. F. Notulae System. 14:333-335. Dec. 1952. 452 L493

Bryophytes

50242 AGSTERIBBE, E. The mossflora of mountain summits. (In Dutch.) Buxbaumia 7:8-20. Feb.1953. 450 B98
English summary.

50243 ANDREWS, A. L. The possible type locality of Anoectangium peckii. Bryologist 56:49-50. Mar.1953. 450 B84

50244 BREEN, R. S. Tropical mosses on limestone. Bryologist 56:1-7. Ref. Mar.1953. 450 B84

50245 BUCHLOH, G. Untersuchungen über die formenkreise von Calypogeia müller iana (Schiffn.) K. Müll., C. neesiana (Mass. et Car.) und C. Meylanii Buch. Rev. Bryologique et Lichenologique (n.s.)21:262-271. Ref. 1952. 450 R325

50246 CASAS DE PUIG, C. Contributión al estudio de la flora briológica del norte de España. Madrid. Jard. Bot. An. 10(2):257-289. 1951,pub.1952. 451 M262

50247 CLARK, L. Some Hepaticae from the Galapagos, Cocos, and other Pacific Coast Islands. Calif. Acad. Sci. Proc. 27:593-613. Ref. Mar.30,1953. 500 C12P
Includes new species in Brachiolejeunea, Ceratolejeunea, Cololejeunea, and Lopholejeunea.

50248 GAUME, R. Les éléments de la flore bryologique de Bretagne. I. Hépatiques. Rev. Bryologique et Lichenologique (n.s.)21:229-234. (Cont.) 1952. 450 R325

50249 MCCORKLE, M. Mosses in the vicinity of Columbia, South Carolina. Bryologist 56:56-64. Mar. 1953. 450 B84

50250 MARTIN, W. Short review of recent advances in New Zealand bryology (mosses). (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:69. 1951,pub.1952. 90.09 R81R

50251 MEIJER, W. Notes on Bryophytes in Indonesia. (In Dutch.) Buxbaumia 7:22-28. Feb.1953. 450 B98
English summary.

50252 MILLER, H. A. Notes on Hawaiian Hepaticae: Frullaniaceae. Bryologist 56:40-48. Mar.1953. 450 B84
Includes Frullania hawaiiensis n. sp.

50253 SAINSBURY, G. O. K. Critical New Zealand mosses. Rev. Bryologique et Lichenologique (n.s.)21: 213-225. Ref. 1952. 450 B325

50254 STEERE, W. C. Trematodon brevicollis in North America. Rev. Bryologique et Lichenologique (n.s.) 21:235-238. Ref. 1952. 450 R325

50255 WADE, A. E. The mosses of Monmouthshire. No. West. Nat. (n.s.)1:77-91. Mar.1953. 410 N81

50256 WIJK, R. VAN DER, and MARGADANT, W. D. The bryological excursion to the vicinity of Groningen. (In Dutch.) Buxbaumia 7:1-8. Feb.1953. 450 B98
English summary.

Algae

50257 BRAUN, R. Limnologische untersuchungen an einigen seen im Amazonasgebiet. Basel,1952. 128 p. 409 B732
Promotionsarbeit - Eidgenössische Technische Hochschule, Zürich.

50258 CHAPMAN, V. J. Phylogenetic problems in the Chlorophyceae. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7: 55-68. Ref. 1951,pub.1952. 90.09 R81R

50259 FULLER, A. S. Seasonal variation in the plankton and salinity of the Hauraki Gulf, New Zealand. Nature [London] 171:525-526. Mar.21,1953. 472 N21

50260 GUILER, E. R. The marine algae of Tasmania: check list with localities. Roy. Soc. Tasmania. Papers & Proc. 86:71-106. 1952. 514 H65

50261 HART, T. J. Plankton of the Benguela current. Nature [London] 171:631-634. Apr.11,1953. 472 N21

50262 HELLER, H. Eine neue alge Württembergs. Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21:158-161. 1952. 410.9 W96

50263 HUGHES, E. O. Phytoplankton of some maritime lakes. Canad. Field-Nat. 66:167-170. Nov./Dec. 1952. 410.9 Ot8

50264 HUSTEDT, F. Neue und wenig bekannte Diatomeen. IV. Bot. Not. 4:366-410. Ref. 1952. 450 B656
English summary.
Includes new species in Rhizosolenia, Melosira, Cyclotella, Stephanodiscus, Fragilaria, Eunotia, Achnanthes, Cocconeis, Frustulia, Stauroneis, and Navicula.

50265 LEGALLO, C. Algues d'eau douce sur rochers suintants près du Grand Lac Matane (Gaspésie). Nat. Canad. 80:81-84. Jan./Feb.1953. 410 N216

50266 LOUIS-MARIE, P. Quelques algues des Laurentides (St-Adéle et Morin Heights). Rev. d'Oka 27:22-24. Jan./Feb.1953. 7 Ok1

50267 PALMER, F. H. Eine neue blaualge. Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21:162-164. 1952. 410.9 W96

50268 RIETH, A. Kleine beiträge zur kryptogamenflora von Württemberg. Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21 165-175. Ref. 1952. 410.9 W96
Algae.

50269 SIEMIŃSKA, J. Anabaena scheremetievi Elenk. in the Lake at Rożnów. (In Polish.) Soc. Bot. Polon. Acta 22:187-201. Ref. 1953. 451 So16
English summary.

50270 SILVA, H. A primer in algae. Tenn. Acad. Sci. J. 28:98-108,117,120. Ref. Apr.1953. 500 T25A

50271 SŁABECKA-SZWEYKOWSKA, A. Les phytoflagellées collectées dans les montagnes Góry Stołowe. (In Polish.) Soc. Bot. Polon. Acta 22:85-92. 1953. 451 So16
French summary.

50272 SORIANO, J. D. Myxophyceae of the Marikina Valley. Soil Sci. Soc. Philippines. J. 4:225-236. Fourth Q.1952. 56.9 So35

50273 SOROKIN, C., and MYERS, J. A high-temperature strain of Chlorella. Science 117:330-331. Mar.27, 1953. 470 Sci2

50274 ZIMMERMANN, W. Neue oder wenig bekannte kleinpflanzen aus Württemberg. Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21:157. 1952. 410.9 W96
Algae.

Fungi (Including Lichens)

50275 ASCHAN, K. Studies on dediploidisation mycelia of the Basidiomycete Collybia velutipes. Svensk Bot. Tidskr. 46:366-392. Ref. 1952. 450 Sv2

50276 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. The characteristics of Australian decay and stain fungi. The identification of Basidiomycete fungi in culture. Progress report, by E. W. B. da Costa, C. N. Matters, and N. Tamblyn. South Melbourne,1952. (Its Sub-Project P. 11-12) 462.06 Au7

50277 BAGCHEE, K. A new and noteworthy disease of gamhar (Gmelina arborea Linn.) due to Poria rhizomorpha sp. nov. Indian Forester 79:17-24. Jan.1953. 99.8 In2

50278 BAUSÁ ALCALDE, M. Algunos micromicetos recolectados por el Prof. Caballero Segares en Valencia. Madrid. Jard. Bot. An. 10(2):229-255. 1951,pub.1952. 451 M262
Includes new species in Massaria, Stictis, Phoma, Phomopsis, Alveophoma, Dothiorella, Diplodia, and Hendersonia.

50279 BIRAGHI, A. On the proposed regrouping of Endothia fluens (Sow.) S. and S. and Endothia parasitica (Murr.) P. J. and H. W. And. in one species. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:133-157. 1951,pub.1953. 464.9 R662
English summary.

50280 BOSE, S. K., and MEHTA, P. R. A new species of Entomophthora on beetles. Brit. Mycol. Soc. Trans. 36: 52-56. Mar.1953. 451 B76

50281 BREMER, H., and others. Beiträge zur kenntnis der parasitischen pilze der Türkei. Istanbul. U. Fen Fakül. Mecmuasi. Ser. B, Tabif Ilimler 17:259-276. Ref. July 1952. 475 Is7
G. Karel, K. Biyikoğlu, N. Göksel, and F. Petrak, joint authors.
Includes new species in Asteromella, Septoria, Oncospora and Marssonina.

50282 CANTER, H. M., and LUND, J. W. G. Studies on plankton parasites. II. Brit. Mycol. Soc. Trans. 36: 13-37. Ref. Mar.1953. 451 B76
Chytridiaceae.

50283 DEGELIUS, G. Swedish find of Lecanora demissa (Flot.) Zahlbr. (In Swedish.) Svensk Bot. Tidskr. 46:488-490. 1952. 450 Sv2

50284 DOGUET, G. Rhinotrichum multisporum n. sp.—champignon isolé d'un sol de Madagascar. Rev. de Mycol. Sup. Colon. 17:74-79. Dec.1,1952. 450 R327

50285 FABRICATORE, J. A. Ascochyta trachelospermi n. sp. and considerations on a possible revision of the genus Peyronellaea. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:69-82. 1951,pub.1953. 464.9 R662
English summary.

50286 GÄUMANN, E. A. The fungi; a description of their morphological features and evolutionary development. New York,Hafner,1952. 420 p. 462 G23Pae
Translation of his Die Pilze, Grundzüge ihrer Entwicklungsgeschichte und Morphologie.

50287 GIOLITTI, G., and BERTANI, M. A method for the microscopical study of Actinomycetes. J. Bact. 65:281-282. Mar.1953. 448.3 J82

50288 IMAZEKI, R. A contribution to the fungous flora of Dutch New Guinea. Rin-Go-Shiken-Hokoku 57: 87-140. Dec.1952. 99.8 R47
Includes new species in Trachyderma n.g., Elfvingia, Ischnoderma, Polyporellus and Trametes.

50289 IMAZEKI, R. Tricholoma aggregatum (Schaeffer ex Secretan) Costantin et Dufour and T. conglobatum (Vittadini) Saccardo. (In Japanese.) Rin-Go-Shiken-Hokoku 57:141-150. Ref. Dec.1952. 99.8 R47
English summary.

50290 KNODEL, H. Auftreten einer seltenen hausschwammart (Merulius pinastri). Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107:156-160. 1951,pub.1952. 509 W96

50291 LANGDON, R. F. N. The genus Ustilagopsis Speg. Brit. Mycol. Soc. Trans. 36:74-76. Ref. Mar.1953. 451 B76

50292 LLANO, G. A. A register of lichenological workers and contributors. Canad. Field-Nat. 66:130-142. Sept./Oct.1952. 410.9 Ot8

50293 MAGNUSSON, A. H. Key to the species of Lecidea in Scandinavia and Finland. II. Svensk Bot. Tidskr. 46:313-323. 1952. 450 Sv2

50294 MALENÇON, G., and MARION, J. L'Hypoxylon mediterraneum (DNtrs.) Ces. et DNtrs. et son comportement épiphytique dans les chênaies nord-africaines. Rev. de Mycol. Sup. Colon. 17:49-73. Dec.1,1952. 450 R327

50295 MOREAU, C. Micromycètes africains. II. Rev. de Mycol. Sup. Colon. 17:80-83. Dec.1,1952. 450 R327

50296 NAGAI, Y., and NUKUMIZU, T. The sexuality of Pleurotus. (In Japanese.) Rin-Go-Shiken-Hokoku 57: 1-6. Dec.1952. 99.8 R47
English summary.

50297 NOREN, B. Studies on Myxobacteria. I. Growth conditions. Svensk Bot. Tidskr. 46:324-365. Ref. 1952. 450 Sv2

50298 PARKER-RHODES, A. F. The Basidiomycetes of Skokholm Island. IX. Response to meteorological conditions. New Phytol. 52:14-21. Feb.1953. 450 N42

50299 PARKER-RHODES, A. F. The Basidiomycetes of Thetford Chase. I. Correlation with age of plantation. New Phytol. 52:65-70. Feb.1953. 450 N42
Succession of species of plantations of Pinus sylvestris.

50300 PEARSON, A. A. Hommage aux mycologues français. Brit. Mycol. Soc. Trans. 36:1-12. Mar.1953. 451 B76

50301 RAMIREZ GOMEZ, C. Une nouvelle espèce de Sporotrichum (?), le Sporotrichum sanguineum. Rev. de Mycol. 17:214-218. Ref. Dec.1,1952. 450 An74

50302 RICHARDS, M. Saprophytic Cladosporium in Britain. Nature [London] 171:615-616. Apr.4,1953. 472 N21

50303 SALISBURY, G. The genus Thelocarpon in Britain. No. West. Nat. (n.s.)1:67-76. Mar.1953. 410 N81

50304 SANTESSON, R. Foliicolous lichens. I. A revision of the taxonomy of the obligately foliicolous, lichenized fungi. Symb. Bot. Upsal. 12(1),590 p. Ref. 1952. 451 Up72
Includes new species in Stirtonia, Arthonia, Arthothelium, Opegrapha, Enterographa, Mazosia, Astrothelium, Strigula, Porina, Trichothelium, Aspidothelium, Aulaxina, Asterothyrium, Calenia, Echinoplaca, Tricharia, Bacidia, Tapellaria, Lopadium, and Phyllophiale n. g.

50305 SAWADA, K. Researches on fungi in the Tohoku District of Japan. III. (In Japanese.) Rin-Go-Shiken-Hokoku 57:7-85. Dec.1952. 99.8 R47

50306 SHAW, C. G., and COOKE, W. B. Reliquiae suksdorfiana fungi collected by Wilhelm N. Suksdorf, 1882-1927. Wash. Agr. Expt. Sta. C. 217,29 p. Apr.1953. 100 W27S
U. S. Bur. of Plant Industry, Soils, and Agricultural Engineering, cooperating.

50307 SHIELDS, I. J. Notes on Kansas fungi 1950-1951. Kans. Acad. Sci. Trans. 56:58-60. Mar.1953. 500 K13T

50308 SÖDERBERG, S. A couple of interesting fungi. (In Swedish.) Bot. Not. 4:440. 1952. 450 B656
Omphalia philonotis and Physarum rubiginosum.

50309 SUBRAMANIAN, C. V. Fungi Imperfecti from Madras. III. Beltraniella gen. nov. Indian Acad. Sci, Proc. Sect. B 36:223-228. Dec.1952. 513 In25B

50310 THOMSON, J. W. Lichens of Arctic America. I. Lichens from west of Hudson's Bay. Bryologist 56:8-36. Ref. Mar.1953. 450 B84

50311 URRIES, M. J. DE. Notas micológicas. Madrid. Jard. Bot. An. 10(2):193-228. 1951,pub.1952. 451 M262
Includes Pseudosarcophoma n. g.

50312 VIENNOT-BOURGIN, G. Notes mycologiques. II. Rev. de Path. Vég. et d'Ent. Agr. de France 31:185-194. July/Sept.1952. 464.9 So1
Includes a new species in Uromyces.

50313 YEN, W. Y., and CHI, C. C. Studies on leaf blight of sugar cane. I. The life history of the causal organism of leaf blight of sugar cane. (In Chinese.) J. Sugarcane Res. 6:191-215. Ref. Oct.1952. 65.8 J822
English summary.
Leptosphaeria taiwanensis, n. sp.

50314 YUILL, E. A new ascosporic species of Aspergillus [A. quadricinctus]. Brit. Mycol. Soc. Trans. 36:57-60. Mar.1953. 451 B76

PATHOLOGY

General

50315 AMTLICHES pflanzenschutzmittelverzeichnis 1953 der Bundesanstalt für Pflanzenschutz, Wien. Pflanzenarzt 6(spec. no.1):1-18. Feb.1953. 464.9 P482

50316 ARMSTRONG, W. D. Peach pests, problems and cultural practices. Kans. State Hort. Soc. Bien. Rpt. 51:43-46. 1952. 81 K13
Kansas.

50317 BALD, J. G. Control of disease by heat-curing and dipping Gladiolus corms. I-III. Phytopathology 43: 141-155. Ref. Mar.1953. 464.8 P56

50318 BALL, F. H., and ALANDIA B., S. Enfermedades de los citrus y su control. Bolivia. Serv. Agr. Interamer. C. de Ext. 9,7 p. 275.249 B63

50319 BARRERA, A. Algunas observaciones sobre las ratas que constituyen plaga en los cocotales de la Costa Chica de Guerrero. Fitófilo 6(7):5-10. July/Aug. 1952. 421 F55

50320 BARRERA, A. Instructivo para el combate de las ratas en los cocotales. Fitófilo 6(7):11-13. July/Aug. 1952. 421 F55

50321 BEAUMONT, A. Daphne diseases. Gard. Chron. 133:121. Apr.4,1953. 80 G162

50322 BEAUMONT, A. Primula diseases. Gard. Chron. 133:131-132. Apr.11,1953. 80 G162

50323 BERAN, F. Pflanzenschutz in den USA. Wien, Osterreichisches Produktivitäts Zentrum,1952. 91 p. (Die Studienreise, Schriftenreihe des Osterreichischen Produktivitäts-Zentrums) 464 B454
ECA mission from Austria.

50324 BIEBERDORF, G. A. The mole and its control. Okla. Agr. Expt. Sta. C. C-136,8 p. Feb.1953. 100 Ok4

50325 BLACKBURN, W. Concentrate spray session. N. Y. State Hort. Soc. Proc. 98:57-59. 1953. 81 N484
Includes discussion.

50326 BÖNING, K. Intensivierung der pflanzenschutzmassnahmen im bäuerlichen betrieb. Pflanzenschutz 5: 1-4. Jan.1953. 464.8 P48

50327 BÖNING, K. Pflanzenernährung und pflanzenschutz. Z. f. Pflanzenbau u. Pflanzenschutz 3:193-202. 1952. 464.8 P88

50328 BÖNING, K. Pflanzenschutzeinrichtungen in Schweden und Dänemark. Pflanzenschutz 5:13-17. Feb. 1953. 464.8 P48

50329 BONNELL, J. A. Spray poisoning: symptoms and treatment. Grower [London] 39:631. Mar.28,1953. 286.83 M34
Hazards and safeguards.

50330 BOUCHET, R. L. A propos du traitement d'hiver des arbres fruitiers. Pomol. Franç. 80:27-38. Ref. Feb./Mar.1953. 80 P77

50331 BROOKS, F. T. Plant diseases. Ed. 2. London,Oxford U. Press,1953. 457 p. Ref. 464 B79

50332 BURRELL, A. B. Concentrate spraying in New York State during 1952. N. Y. State Hort. Soc. Proc. 98:142-148. 1953. 81 N484

50333 BUTAROBOL, C. Rat control for coconut plantation. (In Siamese.) Kasikorn 25:465-467. Nov. 1952. 22.5 K15
English summary.

50334 CANADA. DEPT. OF AGRICULTURE. SCIENCE SERV. PLANT PROTECTION DIV. Memorandum to importers and exporters, transportation companies, etc. concerning the importation of nursery stock and certain plant products under the regulations of the Destructive Insect and Pest Act, consolidated and amended 1949, 1950, 1951, 1952. Ottawa,1952. 8 p. 90.07 C16
Includes diseases.

50335 CANADIAN PHYTOPATHOLOGICAL SOCIETY. Proceedings, nineteenth session, June 23-26, 1952, Ottawa. n.p.,1953. 24 p. 464.9 C162

50336 CAREW, J. Procedure for crop trouble-shooting. Amer. Cyanagrams 3:10. Spring 1953. 381 Am392

50337 CATALINA, L. Las enfermedades de las patatas. Cult. Mod. 36:20-22. Jan.1953. 15 C89

50338 CHALTIN, G. Les ennemis de nos légumes: les parasites de la laitue. Cour. Hort. 15:153-155. Mar. 1953. 80 C834

50339 CHAMBERLAIN, G. C., and PUTMAN, W. L. Diseases and insect pests of the raspberry in Canada. Canada Dept. Agr. P. 880,32 p. Dec.1952. 7 C16Pu

50340 CHIESA MOLINARI, O. Terapéutica vegetal [Plant therapy]. Barcelona,1953. 2 v. (Colección Agrícola Salvat) 464.4 C432

50341 CICCARONE, A. Observations on "gelatina" [necrosis] and some gummoses of the collar and roots of olive. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:205-213. Ref. 1951,pub.1953. 464.9 R662
English summary.

50342 CORTES, I. A. Enemigos del olivar. Vinos, Viñas y Frutas 48:364-368. Feb.1953. 9 Ag89
Pests and diseases.

50343 CRALLEY, E. M. The prevention of rice diseases. Ark. Farmer 55(4):16-17. Apr.1953. 6 Ar42

50344 CROSIER, W. Science checks seed-borne pests. What's New Crops & Soils 5(7):12-13,30. Apr./May 1953. 6 W55

50345 CROWLEY, D. J., and others. Recommendations for cranberry production in Washington. Wash. State Col. Ext. C. 144,rev.,4 p. Mar.1953. 275.29 W27C
M. R. Harris, D. H. Brannon, H. S. Telford, and R. E. Tidrick, joint authors.
Spraying recommendations for diseases, pests, and weed control.

50346 CURTIS, O. F., and RODNEY, D. R. Ethylene injury to nursery trees in cold storage. Amer. Soc. Hort. Sci. Proc. 60:104-108. Dec.1952. 81 So12

50347 DAVIS, D., and DIMOND, A. E. Inducing disease resistance with plant growth-regulators. Phytopathology 43:137-140. Ref. Mar.1953. 464.8 P56

50348 DECKER, G. C. Effects of food and drug laws and regulations on spray programs. N. Y. State Hort. Soc. Proc. 98:109-118. 1953. 81 N484

50349 DEKKER, P. Healthy fruit from spraying. (In Dutch.) Floralia 73:52-53. Feb.25,1953. 80 F6613

50350 DENISOV, A. K. Appearance of frost cracks on oak in connection with plantation culture. (In Russian.) Lesn. Khoz. 6:37-40. Jan.1953. 99.8 L5622

50351 DIERCKS, R. Gemeinschaftsarbeit europäischer pflanzenschutzwissenschaftler in Jugoslawien. Pflanzenschutz 5:17-20. Feb.1953. 464.8 P48

50352 DREES, H. Beitrag zur kenntnis des auftretens gefährlicher phytopathogener erreger und parasiten. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60: 83-86. Feb.1953. 464.8 Z3
English summary.
Includes work of the European Plant Protection Organization.

50353 EJSING, G. Spraying in the orchard. (In Danish.) Jydsk Landbr. 35:229-232. Apr.2,1953. 11 J99

50354 ENGEL, R. E. Enemies of your lawn. Flower Grower 40(4):94-95,140-141. Apr.1953. 80 M72

50355 ERICSSON, O. Winter spraying of fruit trees. (In Swedish.) Lantbrtidskr. f. Dalarna 1:38-39. Feb. 1953. 11 L29

50356 ESTHER, H. Gesundheit und leistungssteigerung; erhöhung und sicherung der erträge; verbesserung des lebensstandards durch schädlingsbekämpfung und pflanzenschutz. Ernähr. der Pflanze 3:150-156. Dec. 1952. 57.8 Er62
English summary.

50357 FARINA, M. Control of plant parasites on fruit. (In Italian.) Agr. Romagn. 3:3. Feb.5,1953. 16 Ag828
Fungus and insect diseases.

50358 FISCHER, H. Sinn und wesen der pflanzenquarantäne. Deut. Landwirt. 4:21-22. Jan.1953. 18 D4822
Russian Zone.

50359 FORD, A. J. Root and crown rots of African violets. African Violet Mag. 6(3):20-28. Mar.1953. 30 Af8

50360 FRASER, L. R. Notes on Gladiolus diseases. Austral. Plant Dis. Recorder 5:9-10. Jan.1953. 464.8 Au7

50361 FUGGLES-COUCHMAN, N. R. The destruction of rice-eating birds. East African Agr. J. 18:77-78. Oct. 1952. 24 Ea74

50362 GABOTTO, L. Plant injuries. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:45-46. Feb.1953. 16 C72

50363 GERRITS, C. Winter spraying. (In Dutch.) Betuws Tuinbouwbl. 10(24):5. Feb.21,1953. 80 B464
Of fruit.

50364 GIGANTE, R. Changes in tobacco plants in the seedbed at Leccese due to excesses of temperature. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:83-92. 1951,pub. 1953. 464.9 R662
Cold.

50365 GIGANTE, R. Infectious plant diseases in the tobacco seedbed at Leccese. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:93-109. 1951,pub:1953. 464.9 R662

50366 GLASS, E. H., and LIENK, S. E. Some problems in orchard spraying. N. Y. State Hort. Soc. Proc. 98:135-141. 1953. 81 N484
New York.

50367 GREENFIELD, I. Cereal seed dressings. Young Farmer 21:103,105. Mar./Apr.1953. 10 Y8

50368 GUALBA, C. La lucha contra las babosas. Cult. Mod. 36:11. Jan.1953. 15 C89

50369 GUIDA dei trattamenti antiparassitari: fruttiferi e viti [Guide to spraying: fruit trees and grapes]. Informatore Agr., Jan.1953(spec.no.),26 p. 281.8 In32

50370 HAAS, A. R. C., and ZENTMYER, G. A. Some causes of avocado blemishes. Citrus Leaves 23(4):25-27. Apr.1953. 80 C492

50371 HAFIZ, A. A useful spray for controlling citrus canker [Xanthomonas citri] citrus wither tip [Colletotrichum gloeosporioides] and citrus psylla. Punjab Fruit J. 15(53):15-17. Apr./July 1952. 80 P962
Pakistan.

50372 HANSEN, K. Spraying principles. (In Danish.) (Sum.) Tolvmandsbladet 25:95-96. Apr.1953. 11 T58

50373 HEYNS, A. J. Gummosis of stone fruit trees. Farming So. Africa 29(322):34-36. Jan.1953. 24 So842

50374 HOLZ, W. Pflanzenschutzlicher Warndienst in Holland. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:459-461. Nov./Dec.1952. 464.8 Z3

50375 HUGHES, C. G. The diseases of Saccharum in New Guinea. Queensland. Bur. Sugar Expt. Sta. Tech. Commun. 1953:1-21. Ref. 65.9 Q3T

50376 IMBERT, L. Les altérations des pommes et des poires. Terre d'Oc 35:119-121. Mar.1952. 14 Ar5
Diseases.

50377 JACKS, H. Seed disinfection. V. A seed-dressing apparatus for the smaller seedsman. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:249-251. Jan.1953. 514 N48B

50378 JOHNSON, F., and HARRIS, M. R. Disease control for raspberries in western Washington. Wash. State Col. Ext. Mimeog. 1463,1 p. Feb.1953. 275.29 W27Mi

50379 JOHNSTON, A. The control by spraying of some diseases of Highland vegetables. Malayan Agr. J. 36:28-35. Jan.1953. 22.5 F312

50380 JOSEPHSON, L. M. "Crazy-top" of maize in South Africa. Farming So. Africa 29(322):4,36. Jan.1953. 24 So842

50381 KITZLER, K. Pflanzenschutz im feldbau: rückblick auf das jahr 1952. Landwirtschaft 3/4:44-46. Feb.1953. 19 L235

50382 KNUST, H. G. Notes on the heat treatment of cane plants at the Bundaberg Sugar Experiment Station. Queensland Soc. Sugar Cane Technol. Proc. 20:131-134. 1953. 65.9 Q332

50383 KONDO, Y. Improvement of riceplant culture in warm districts in connection with the use of new pesticides. (In Japanese.) Jap. J. Plant Protect. 43:7-9. Jan. 1953. 421 J27

50384 LAMB, K. P. Insect resistance in certain varieties of plants. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:92. 1951,pub.1952. 90.09 R81R

50385 LAMB, K. P. Plant galls. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:49-52. 1951,pub.1952. 90.09 R81R

50386 LAPLANTE, A. A. Prospective changes in the tree fruit spray schedule. N. Y. State Hort. Soc. Proc. 98:84-91. 1953. 81 N484
Includes discussion.

50387 LIHNELL, D. "White top" of Tagetes. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 4:59-61. Sept.1952. 464.9 Sw3V

50388 LUQUE, J. F. "Curas" indispensables del viñedo. Chacra 23(268):28-29. Mar.1953. 9 C34
In Argentina.

50389 LUZIAU, R. Contribution à la prospection phytosanitaire de l'Ile de la Réunion. Phytoma 6(46):16-21. (Cont.) Mar.1953. 464.8 P563

50390 MACHADO, O. DE. F. Cutting snail, a strange pest of rice on the lower São Francisco river. (In Portuguese.) Lav. e Criação 8(46):20. Jan.1953. 49 L392

50391 MCKENZIE, M. A. Of trees and wires. Res. Rev. [Mass. Sta.] 2:3-5. Jan.1953. 100 M38R
Sleet and snow damage and the need of survey work to discover tree defects.

50392 MCMAHON, I. Alfalfa seed dusting. Crop Comments 6(6):2-3. Apr.1953. 57.8 C88

50393 MANSFELD, K. Erfolgreiche sperlingsbekämpfung mit giftweizen. Deut. Landwirt. 4:33-34. Jan. 1953. 18 D4822

50394 MARCHIORI, A. Lack of fertility in corn. (In Italian.) Genio Rur. 16:85-86. Feb.1953. 281.8 R522
Caused by hail damage.

50395 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. General-purpose home orchard spray schedule. Mass. U. Agr. Ext. Spec. C. 178,rev.,2 p. Jan.1953. 275.29 M38Isc

50396 MAURER, K. J. Frostplatten und frosttotalschaden. Obst- u. Gartbau 8:5-6. Jan.1953. 80 Ob75

50397 MAURER, K. J. Wunden an obstgehölzen. Obst u. Gartbau 8:3-5. Jan.1953. 80 Ob75

50398 MERTIN, J. V. Plant quarantine survey in Northern Territory. Fruit World & Mkt. Grower 54(2):23. Feb.10,1953. 80 F948
Australia.

50399 MEXICO. DIRECCION GENERAL DE DEFENSA AGRICOLA. Plagas y enfermedades de la papa en las zonas productoras del estado de Puebla. Fitófilo 6(7):15-24. July/Aug.1952. 421 F55

50400 MILLER, V. J., and WHITNEY, W. C. Pest control in the home fruit planting. Nebr. Agr. Col. Ext. E. C. 1277,12 p. 1953. 275.29 N272Ex
Includes spray schedules.

50401 MILLS, W. D. Tree fruit diseases in New York in 1952. N. Y. State Hort. Soc. Proc. 98:272-280. 1953. 81 N484

50402 NAKAMURA, H. List of tobacco diseases in Japan. Hatano Tobacco Expt. Sta. B. 36:159-164. Mar. 1952. 69.9 J27

50403 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De winterbespuiting in de fruitteelt [Winter spraying in fruit culture]. Netherlands. Plantenziektenk. Dienst. Ber. 1030,2 p. Feb.14,1953. 464.9 N38

50404 NILSSON, R. Harvesting injuries to potatoes. (In Swedish.) Svensk Jordbrforsk. 1953:75-77. 11 J763

50405 NORRISS, R. K. Concentrate and semi-concentrate spraying of orchards in the Rogue River Valley. Oreg. State Hort. Soc. Proc. 67:29. 1952. 81 Or32

50406 ØHLERS, H. Survey of various sprays for fruit (In Danish.) Gart.-Tid. 69:166-170. Apr.13,1953. 80 G192
Fungicides and insecticides.

50407 ØHLERS, H. Survey of winter and spring sprays for 1953 and prices for using these. (In Danish.) Gart.-Tid. 69:83-84. Feb.16,1953. 80 G192

50408 ØHLERS, H. Survey of winter and spring sprays for 1953 and their prices. (In Danish.) Erhvervsfrugtavleren 19:112-114. Feb.1,1953. 80 Er3

50409 PALMGARD, E. Spraying of fruit trees. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 13: 14-16. 1953. 11 K12

50410 PETRIK, A. Der pflanzenschutz in Jugoslawien. Pflanzenschutz 5:20-25. Ref. Feb.1953. 464.8 P48

50411 PIRONE, P. P. Better gardening with chemicals. Flower Grower 40(5):56-61. May 1953. 80 M72
To control diseases, insects and weeds.

50412 PLUGHAN, A. Das immunitätsproblem in der phytopathologie. Deut. Landwirt. 4:22-27. Ref. Jan. 1953. 18 D4822

50413 REBOUR, H. Une belle carrière pour les jeunes: la médecine végétale. Fruits et Primeurs de l'Afrique du Nord 23(243):20-21. Jan.1953. 80 F9482

50414 RILEY, C. C. Tree diseases in Saskatchewan and Manitoba. Ottawa,Sci. Serv. Div. of Forest Biol., Dept. of Agr.,1952. 26 p. Ref. 464.07 R45

50415 RODE, O. Do we dare use exotic trees in Norwegian reforestation? (In Norwegian.) Tidsskr. f. Skogbruk 60:288-290. Dec.1952. 99.8 T432
Danger from introduction of diseases.

50416 ROSA, M. Contribution to an Italian phytopathological bibliography for 1951. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:241-255. 1951,pub.1953. 464.9 R662

50417 ROSEN, H. R. Breeding cereal crops for the control of diseases. Ark. Acad. Sci. Proc. 5:77-78. 1952. 500 Ar42

50418 RUI, D. Parasites and antiparasiticals: the point of the situation. (In Italian.) Informatore Agr., Jan. 1953(spec.no.):1,25. 281.8 In32
Italy.

50419 RUSSO, G. The protection of horticultural plants and crops. (In Italian.) Frutticolt. Campana 3:1-2. (Cont.) Jan.27,1953. 80 F9474

50420 SANTOS, T. V. Increased germination of sugar cane by disease control with aretan. Sugar News 29:77-78. Feb.1953. 65.8 Su36
Philippines.

50421 SAVAGE, E. F. Root rot of peaches. Amer. Fruit Grower 73(4):16,42. Apr.1953. 80 G85

50422 SCHMIDT, M. Landwirtschaftlicher pflanzenschutz. Berlin,Deutscher Bauernverlag,1952. 395 p. 464.4 Sch5

50423 SCHOOREL, A. F. Regulations in regard to obtaining blue and orange international certificates from the Government Seed Testing Station. (In Dutch.) Nederlandse Alg. Keuringsdienst. v. Landbzaden en Aardappelpootgoed. Meded. 9:93-94. Mar.1953. 61.9 N28

50424 SEBASTIANI, R. Cold and winter treatments of peaches. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 37:25-29. Ref. Jan./Feb.1953. 86 R22
English summary.

50425 SELLKE, K. Die pflanzenschutzmittel in der Deutschen Demokratischen Republik. Deut. Landwirt. 4: 27-33. Jan.1953. 18 D4822

50426 SHARMA, S. L. Orobanche on wheat (N.P. 52). Cur. Sci. 22:56-57. Feb.1953. 475 Sci23

50427 SHAW, C. G. Diseases of coniferous trees. Arboretum B. 16:3-5,34-35. Spring 1953. 451 Ar1
Northwestern States.

50428 SHURTLEFF, M. C., HOWARD, F. L., and KERR, T. W. Vegetable pest control program. R. I. State Col. Ext. B. 137,rev.,11 p. Apr.1952. 275.29 R34

50429 SIBILIA, C. Survey of the most important plant diseases observed in 1950. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:215-240. 1951,pub.1953. 464.9 R662

50430 SMITH, C. F., and CLAYTON, C. N. Peach spray information. N. C. Agr. Expt. Sta. Spec. C. 17,11 p Jan.1953. 100 N81Sp
For insect pests and diseases.

50431 SMITH, H. E., and FULTON, J. P. Garden diseases and their control. Ark. Agr. Col. Ext. L. 181, 6 p.-folder. Jan.1953. 275.29 Ar4Le

50432 SNYDER, J. C. Methods of controlling rain-induced cherry cracking. Oreg. State Hort. Soc. Proc. 67:81-82. 1952. 81 Or32

50433 SOUTH CAROLINA. CLEMSON AGRICULTURAL COLLEGE. EXTENSION SERV. Cotton production,insect and disease control South Carolina—1953. Clemson Agr. Col. S. C. Ext. C. 380,16 p. Feb.1953. 275.29 So8E

50434 SRINIVASAN, U. C. Diseases of fodder crops in India. II. Maize. Mysore Agr. J. 28:92-101. Oct./Dec. 1952. 22 M993

50435 STANKOVIC, A., and OSTOJIC, N. Les nouveaux insecticides et fongicides synthetiques. (In Serbo-Croatian.) Zastita Bilja 12:78-86. Ref. 1952. 464.8 Z1
French summary.

50436 STAPEL, C. Control of diseases and pests in agriculture. (In Danish.) (Sum.) Tolvmandsbladet 25:91-94. Apr.1953. 11 T58

50437 SUZUKI, N. Recent aspects of phytopathology. (In Japanese.) Biol. Sci. 4:167-171. Ref. Dec.1952. 442.8 B5264

50438 SWARTWOUT, H. G. Recent development in spraying grapes. Kans. State Hort. Soc. Bien. Rpt. 51: 106-111. 1952. 81 K13

50439 TAYLOR, G. S. Stalk rot development in corn following the European corn borer [Pyrausta nubilalis]. (Abs.) Iowa State Col. J. Sci. 27:265-266. Jan.1953. 470 Io9

50440 THIEM H. Neues vom obstbaulichen pflanzenschutz. Landbote 7(11):4. (Cont.) Mar.14,1953. 18 L2336

50441 THIEM, H. Neues vom obstbaulichen pflanzenschutz. Landbote 7(12):6. (Concl.) Mar.21,1953. 18 L2336

50442 TILEMANS, E. La preparation des semences. Sillon Belge 23(549):1,5. Feb.28,1953. 13 Si3
Seed treatment.

50443 TUIN, W. Experiences in the control of some important plant diseases. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:71-74. 12 N38Vg

50444 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Dogwood [Cornus] diseases in the East, by C. May. Beltsville,Md.,1952. 4 p. 1.965 F3D67

50445 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. New coffee from the Old World, by F. Wellman, J. Creech, and J. Towers. Washington,Jan.3, 1953. 2 p. 1.914 R2R11
Rust resistant varieties.

50446 VADE, S. Défendez efficacement vos cultures contre leurs ennemis. Vie à la Campagne 42:115-117. Mar.1953. 80 V67

50447 VALDER, P. G. Lucerne diseases in the Hunter Valley. Austral. Plant Dis. Recorder 5:1. Jan. 1953. 464.8 Au7

50448 VIDAL, J. P. Fasciations et doubles-noeuds sur les sarments des cépages indigènes du Rif sont-ils des symptomes de dégénérescence infectieuse? Prog. Agr. et Vitic., Mar.15/22,1953:154-159. 14 P94

50449 VLASVELD, W. P. N. Winter spraying. (In Dutch.) Fruitteelt 43:80,87. Jan.31,1953. 86 N28
Of fruit.

50450 VLASVELD, W. P. N. Winter spraying, yes or no? (In Dutch.) Fruitteelt 43:165. Feb.21,1953. 86 N28
Control of diseases and pests on fruit.

50451 WADE, G. C. An unfamiliar disease of cherries. Austral. Plant Dis. Recorder 5:4-5. Jan.1953. 464.8 Au7
Cause undetermined.

50452 WAGER, V. A. Melanose, stem-end rot, and shell-bark of citrus. Farming So. Africa 29(322):28-30, 33. Jan.1953. 24 So842

50453 WAHLIN, B. Frost injuries to flowering fall rape. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 5/6:92-95. Dec.1952. 464.9 Sw3V

50454 WASSERBURGER, H. J. Die planung der winterspritzung im obstbau. Deut. Agrartech. 2:299-301. Oct.1952. 58.8 D482

50455 WILSON, E. E., and KESTER, D. E. Davis men discuss problem of bud failure in almonds. Almond Facts 18(2):8. Mar./Apr.1953. 280.28 AL62

50456 WOODVILLE, H. C. Damage to Anemones by field mice. Plant Path. 2:21-24. Mar.1953. 464.8 P692

50457 YUGOSLAVIA. INSTITUTS DE RECHERCHES AGRONOMIQUES ET FORESTIÈRES. Rapports sur les travaux effectués dans le domain de la protection des plantes de 1945 à 1951. (In Serbo-Croatian.) Zastita Bilja 13/14:1-183. 1952. 464.8 Z1
English and French summaries.

Diseases Caused by Fungi

50458 AGIE DE SALZAETEN, J. Considérations sur l'oïdium [Podosphaera leucotricha] du pommier. Fruit Belge 21:23-27. Feb.1953. 80 F9493

50459 AGULHON, R., and AMPHOUX, M. Essais de produits de lutte contre le mildiou en 1952. Prog. Agr. et Vitic. Apr.5/12:206-213. (Cont.) 14 P94
On grapes.

50460 AKAI, S., and SHISHIYAMA, J. Studies on wood-decay. V. Physiological studies on Trametes vittata (Berk.) Lloyd causing the white rot of stems of pear. (In Japanese.) Wood Res. 8:28-43. Ref. Mar.1952. 99.82 W8524
English summary.

50461 ANDREN, F. Experiments in spraying Begonia against mildew. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 4:57-59. Sept.1952. 464.9 Sw3V

50462 ANDREN, F. Sprays against fruit tree scab. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 5/6:65-69. Dec.1952. 464.9 Sw3V

50463 ANDREN, F. Treatment of seed before spring seeding. (In Swedish.) Lantmannen 37:244,246,249. Mar. 14,1953. 11 L234

50464 BAGENAL, N. B. Armillaria or honey fungus. Com. Grower 2987:651-652. Mar.26,1953. 80 F941
Menace to fruit trees.

50465 BAKKER, M. A leafspot disease of leek (Allium porrum L.) caused by Pleospora herbarum (Pers.) Rabenh. (In Dutch.) Tijdschr. over Plantenziekten 59:25-26. Jan./Feb.1953. 464.8 T44
English summary.

50466 BALDACCI, E. Fungicides, systemic fungicides and antibiotics in the control of plant disease. (In Italian.) B. dell'Agr. 87(10)1;(11):1-2. Mar.6-13,1953. 16 B87

50467 BARRETT, H. C. Black rot resistance in grapes. Mich. U. Diss. Abs. 13:2. Feb.1953. 241.8 M58

50468 BETTO, E., and LORENZINI, G. The control of potato wart in the Spluga Valley. (In Italian.) Not. sulle Mal. delle Piante 21:16-31. Oct./Dec.1952. 464.8 N84
English summary on p. 71.

50469 BHAGWAGAR, P. R., and PATEL, M. K. Review of work on fungicides in India up to 1940. Poona Agr. Col. Mag. 43:46-60. Ref. Aug.1952. 22 P79

50470 BITTERS, W. P., and BATCHELOR, L. D. Further evidence gummosis [Pythiacystis] resistance of Troyer citrange. Citrus Leaves 23(4):14-15. Apr.1953. 80 C492

50471 BITTERS, W. P., and BATCHELOR, L. D. Gummosis resistance of Troyer citrange. Calif. Citrog. 38:192,200. Apr.1953. 80 C125

50472 BLANK, L. M., and others. Thick stands for control of Verticillium wilt of cotton. N. Mex. Agr. Expt. Sta. Press B. 1081,4 p. Mar.1953. 100 N465
A. R. Leding, R. M. Nakayama, P. J. Leyendecker, and J. R. Cotton, joint authors.

50473 BLUMER, S. Der schorf und seine bekämpfung im jahre 1952. Schweiz. Z. f. Obst- u. Weinbau 62: 125-126. Apr.4,1953. 80 Sch9

50474 BREMER, H. Der falsche mehltau des kohls (Peronospora brassicae Gäumann). Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:126-127. Ref. Mar. 1953. 464.8 Z3

50475 BURRELL, A. B. Effect of fungicides on yield of McIntosh apples in the Champlain Valley. N. Y. State Hort. Soc. Proc. 98:163-168. 1953. 81 N484
Includes discussion.

50476 BUTLER, F. C. Isolation of Helminthosporium [H. sativum] and Curvularia [C. ramosa] species from wheat straw. Austral. Plant Dis. Recorder 5:11. Jan. 1953. 464.8 Au7

50477 CAMPBELL, R. W. Cherry leaf spot and its control. Kans. State Hort. Soc. Bien. Rpt. 51:96-97. 1952. 81 K13
Fungus.

50478 CANAMAS, R., and URRIES, M. J. Reacción de una colección de trigos del Centro de Cerealicultura a las razas 14, 21 y 24 de "Puccinia graminis tritici". Spain. Inst. Nac. de Invest. Agron. B. 12:573-588. Ref. Dec.1952. 105.6 Sp14
English summary.

50479 CAPUANO, E. Preliminary notice on a Sphaeropsis of the sorb [Sorbus domestica] tree. (In Italian.) Not. sulle Mal. delle Piante 21:35-36. Oct./Dec. 1952. 464.8 N84
English summary on p. 71.

50480 CASTAÑO, J. J. Algunas observaciones sobre la "llaga negra [Rosellinia bunodes]" radicular del cafeto. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 4(37):28-30. Jan.1953. 68.29 C332

50481 CHILTON, J. E. Volutella species on alfalfa. (Abs.) Iowa State Col. J. Sci. 27:142-143. Jan.1953. 470 Io9

50482 CHU, H. T., and TSAI, T. K. Studies on leaf scorch disease [Stagonospora sacchari] of sugar cane. II. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:172-184. Dec.1952. 65.9 F76R
English summary.

50483 CICCARONE, A., and MALAGUTI, G. Notas sobre la biologia y control del carbon del sorgo (Sphacelotheca sorghi (Lk.) Clinton) en Venezuela. Venezuela. Inst. Nac. de Agr. B. Téc. 6,42 p. Ref. Aug.1952. 9.95 M32
English summary.

50484 CICCARONE, A. Phytopathological notes. I. The economic importance of a stem-end rot of the tomato fruits in some Campanian areas. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:57-60. 1951,pub.1953. 464.9 R662
English summary.

50485 CICCARONE, A. Powdery mildew of the artichoke (Cynara scolymus L.) and the cardoon (Cynara cardunculus L.). (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:163-204. Ref. 1951,pub.1953. 464.9 R662
English summary.

50486 CONROY, R. J. Fusarium [Fusarium solani] foot rot of cucurbits. Austral. Plant Dis. Recorder 5:1-2. Jan.1953. 464.8 Au7

50487 COX, R. S., and HEUBERGER, J. W. Control of spot anthracnose and Septoria leaf spot of flowering dogwood [Cornus florida]. Natl. Hort. Mag. 32:70. Apr. 1953. 80 N216

50488 CRUICKSHANK, I. A. M. Fungous diseases of peas in New Zealand. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:52-55. 1951,pub.1952. 90.09 R81R

50489 CRUICKSHANK, I. A. M. A note on the use of autoclaved pea-seed as a culture medium. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:248. Jan.1953. 514 N48B
For Phoma lingam.

50490 DAINES, R. H., and COHOON, D. F. Peach canker [Fusicoccum amygdali] and suggestions for its control. N. J. State Hort. Soc. Hort. News 34:2621,2629, 2632. Mar.1953. 81 N46

50491 DAINES, R. H. Which shall it be, sweet potato pox [Streptomyces ipomoea] or sulfur? N. J. State Hort. Soc. Hort. News 34:2625,2627-2628,2632. Mar.1953. 81 N46

50492 DAME. Versuche über optimale kupfer- und wasseraufwandmengen zur bekämpfung der krautfäule der kartoffeln. Gesunde Pflanzen 5:58-61. Ref. Mar.1953. 464.8 G33

50493 DARPOUX, H., BOURON, H., and PERROT, A. Essais de traitements contre les tavelures [Venturia]. Phytoma 6(46):11-15. Mar.1953. 464.8 P563

50494 DOBIE, N. D. What's new in brown rot control. Oreg. State Hort. Soc. Proc. 67:87-89. 1952. 81 Or32
Fruit.

50495 DUKE, J. P. La podredumbre radial de las raíces del cafeto [Rosellinia]. Agr. Costarricense 11:43-50. (Cont.) Feb.1953. 8 Ag895

50496 FABRICATORE, J. A. Alterations in the leaves of Trachelospermum (Rhynchospermum) jasminoides Lem. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9: 13-16. 1951,pub.1953. 464.9 R662
English summary.

50497 FABRICATORE, J. A. Solanum tuberosum, occasional host of a Heterosporium. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:129-131. 1951,pub.1953. 464.9 R662
English summary.

50498 FISCHER, R. Bekämpft die kräuselkrankheit des pfirsichs! Pflanzenarzt 6(3):2-3. Mar.1,1953. 464.9 P482

50499 FLACH, G. Cultures maraîcheres: traitements anticryptogamiques. Rev. Agr. de l'Afrique du Nord 51: 174-175. Feb.13,1953. 80 R326

50500 FLACH, G. Le mildiou de la vigne. Rev. Agr. de l'Afrique du Nord 51:222. Feb.27,1953. 80 R326

50501 FLACH, G. Le mildiou de la vigne. Rev. Agr. de l'Afrique du Nord 51:280. Mar.13,1953. 80 R326

50502 FLACH, G. Le mildiou de la vigne. Rev. Agr. de l'Afrique du Nord 51:308. Mar.20,1953. 80 R326

50503 FRANDSEN, N. O. Zur physiologischen spezialisierung von Colletotrichum lindemuthianum (Sacc. & Magn.) Bri. & Cav. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:113-125. Ref. Mar.1953. 464.8 Z3
English summary.

50504 FREDERIKSEN, P. S. Investigation on the resistance of a series of fiber and oil flax varieties to flax rust (Melampsora Lini (Pers.) Lev.). (In Danish.) Tidsskr. f. Planteavl 56:246-271. Ref. 1953. 11 T439
English summary.

50505 FULTON, R. H. The control of small fruit diseases. Mich. State Hort. Soc. Proc. 82:65-68. 1952, pub.1953. 81 M58
Fungus.

50506 GAGNOTTO, A. V. The grapevine as a new host of Sclerotium bataticolum Taub. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:17-18. 1951,pub.1953. 464.9 R662
English summary.

50507 GAGNOTTO, A. V. Observations on a canker of pear branches. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:3-11. 1951,pub.1953. 464.9 R662
English summary.
Cylindrocarpon mali.

50508 GATTESCHI, P. Death of a Eucalyptus planting in a nursery. (In Italian.) Monti e Boschi 4:74-76. Feb.1953. 16 M76
English summary.
Botrytis cinerea found.

50509 GAUDINEAU, M. L'oïdium [Podosphaera leucotricha] du pommier. Fruit Belge 20:81-84. Ref. June 1952. 80 F9493

50510 GEUS, J. G. DE. Blister blight control and some more general details on tea culture at Ceylon and India. (In Dutch.) Arch. v. de Theecult. 1:99-113. Dec. 1952. 68.18 Ea72

50511 GLYNNE, M. D. Production of spores by Cercosporella herpotrichoides. Brit. Mycol. Soc. Trans. 36: 46-51. Ref. Mar.1953. 451 B76
On wheat.

50512 GODFREY, G. H. New melon mildew killer packs double protection. South. Seedsman 16(4):79. Apr. 1953. 61.8 So8
Karathane, dinitro capryl phenyl crotonate.

50513 GOOSSENS, J. A. A. M., and SAALTINK, G. J. Control of Colletotrichum trifolii (Bain. et Ess.) on Serradella. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:129-131. Mar.1953. 12 N383M

50514 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Apple and pear scab. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 245,rev.,6 p. Feb.1953. 10 G79La

50515 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Red core [Phytophthora fragariae] of strawberry. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 410,4 p. Feb.1953. 10 G79La

50516 GREEN, D. F. How we licked apple scab. N. Y. State Hort. Soc. Proc. 98:157-162. 1953. 81 N484
New York.

50517 GRUMMER, G. Beiträge zur eigenschaftsanalyse der anfälligkeit von Papaver somniferum gegen Helminthosporium papaveris. 3. Züchter 22:366-373. Ref. 1952. 442.8 Z8

50518 GUYOT, L., and MASSENOT, M. Dix ans d'expérimentation sur la rouille noire des céréales (1941-1950). France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3:351-391. July/Sept.1952. 464.9 F84An

50519 HAMILTON, J. M., and SZKOLNIK, M. Fungicide tests on apples, cherries, and peaches in 1952. N. Y. State Hort. Soc. Proc. 98:149-156. 1953. 81 N484
New York.

50520 HILDEBRAND, A. A., and KOCH, L. W. Observations on a root and stem rot of soybeans new to Ontario caused by Pythium ultimum Throw. (Abs.) Canad. Phytopath. Soc. Proc. 20:17. 1952,pub.1953. 464.9 C162

50521 HILL, R. G., and BARTON, R. R. Strawberries, selected for resistance to red stele offer good variety. Ohio Farm & Home Res. [Ohio Sta.] 38:29,31. Mar./Apr. 1953. 100 Oh3S

50522 HINKE, A. Scab warning. (In Danish.) Gart.-Tid. 69:150-151. Mar.30,1953. 80 G192
On fruit.

50523 HITCHINS, P. E. N. Very early spraying will reduce Botrytis stem rot. Com. Grower 2989:759. Apr.9, 1953. 80 F941
Tomatoes.

50524 HOFFMAN, P. F. Physiology of Chalara quercina H. and chemicals for control of oak wilt. (Abs.) Iowa State Col. J. Sci. 27:187-188. Jan.1953. 470 Io9

50525 HOLTON, C. S. Physiologic specialization and genetics of the smut fungi. II. Bot. Rev. 19:187-208. Ref. Apr.1953. 450 B6527

50526 HOWARD, F. L. Helminthosporium—Curvularia blights of turf and their cure. Golf Course Rptr. 21(2): 5-9. Mar./Apr.1953. 60.18 G83

50527 HOWATT, J. L., and HODGSON, W. A. Preliminary report on the occurrence of physiological races of Phytophthora infestans (Mont.) De By in eastern Canada. (Abs.) Canad. Phytopath. Soc. Proc. 20:17-18. 1952, pub.1953. 464.9 C162

50528 IRVINE, J. W., and VALLEAU, W. D. Prevent black shank losses in 1953. Ky. Agr. Col. Ext. C. 499, 12 p. Feb.1953. 275.29 K415
Black shank of tobacco.

50529 ISHIKAWA, E., and KARIYA, K. The effect of individual selections to find the lines of disease resistance in F_2 generation of rice hybrids under the conditions of late transplanting in fertilised field. (In Japanese.) Jap. J. Breeding 2:72-74. Dec.1952. 64.8 J27
English summary.
Blast disease.

50530 ITÔ, K., and HOSAKA, Y. Notes on some leaf-spot diseases of broadleaved trees. II. Septoria leaf-spot of Zelkowa serrata Makino. Rin-Go-Shiken-Hokoku 57: 163-186. Ref. Dec.1952. 99.8 R47

50531 JEANTY, G. Pflanzenpflege und pflanzenschutz. IV. Bauer 25:2. Mar.22,1953. 281.8 B323

50532 JENKINS, A. E., MILLER, J. H., and HEPTING, G. H. Spot anthracnose and other leaf and petal spot of flowering dogwood. Natl. Hort. Mag. 32:57-69. Apr.1953. 80 N216

50533 JUNKER, H. Zur bekämpfung des amerikanischen stachelbeermehltaues [Sphaerotheca mors uvae]. Pflanzenschutz 5:7-8. Jan.1953. 464.8 P48

50534 JUSCAFRESA, B. El "mildiu" [Phytophthora infestans] de las patas. Ceres [Valladolid] 18(200):21,23. Feb.1,1953. 15 C33

50535 KADŁUBOWSKA, J. Z. Formation des écidies de Puccinia graminis Pers. sur les deux faces des feuilles de Berberis vulgaris L. (In Polish.) Soc. Bot. Polon. Acta 22:93-96. 1953. 451 So16
French summary.

50536 KARAEROV, P. G. Planned frequent change of [wheat] varieties in industrial planting and control of rust. (In Russian.) Selek. i Semen. 19(12):16-21. Dec.1952. 61.9 Se5

50537 KERR, A. Foot rot of flax caused by Ascochyta linicola. Brit. Mycol. Soc. Trans. 36:61-73. Ref. Mar. 1953. 451 B76

50538 KEYWORTH, W. G. Resistance of hop stems to invasion by Verticillium albo-atrum. Nature [London] 171:656-657. Ref. Apr.11,1953. 472 N21

50539 KIENHOLZ, J. R. Progress in controlling bulls-eye rot of apple fruits. Oreg. State Hort. Soc. Proc. 67:39,41-42. 1952. 81 Or32

50540 KLOSA, J. Neue wege in der schädlingsbekämpfung mit hilfe fungicider und insekticider antibiotika. Seifen-Öle-Fette-Wachse 79:143-144. Mar.18,1953. 307.8 Se4
English summary.

50541 KNAAP, W. P. VAN DER. Blister blight resistance of tea bushes and tea clones. (In Dutch.) Arch. v. de Theecult. 1:69-98. Ref. Dec.1952. 68.18 Ea72

50542 KNODEL, H. Zur frage der unterscheidung der schwammschäden nach holzzerstörenden pilzen. Holz als Roh- u. Werkst. 11:9-10. Jan.1953. 99.81 H74

50543 KOLK, H. Current fungus diseases of seeds. (In Swedish.) Svensk Jordbrforsk. 1953:104-113. 11 J763
Effects on viability.

50544 KUBLITSKAIA, M. A. Fusariose of the grapevine. (In Russian.) In Vsesoiuznyi Nauchno-Issledovatel'skii Institut Vinodeliia i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.156-167. Ref. Moskva,1952. 390.1 V96
Fusarium.

50545 LAFON, J. Compte rendu d'essais contre le mildiou en 1952. Vrai Cognac 56:622-624. (Cont.) Jan. 1953. 95.8 V95

50546 LAFON, J., COUILLAUD, P., and HUDE, R. Oidium. Paysan Franç. 28:24-26. Feb.1953. 14 P29
Grapes.

50547 LAOH, J. P. Consideration of technical possibilities and economic aspects of copper dusts with native carriers in the control of blister blight. (In Dutch.) Arch. v. de Theecult. 1:35-67. Dec.1952. 68.18 Ea72
English summary.

50548 LAVAUR, J. Essais de traitements contre la rouille [Puccinia pruni] du prunier. Phytoma 6(46):25. Mar.1953. 464.8 P563

50549 LIMBER, D. P. Watch for signs of smut fungus [Urocystis gladiolicola] a threat to Gladiolus culture. Florists Exch. 120(13):17. Mar.28,1953. 80 F666

50550 LIN, J. T. The relation between cane varieties and leaf scorch [Stagonospora sacchari]. I. The degree of susceptibility of various cane varieties. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:185-199. Dec.1952. 65.9 F76R
English summary.

50551 LINDEN, L. VAN DER. New light on seed treatment. (In Flemish.) Tuinbouwberichten 17:35-37. Mar.15,1953. 80 T817

50552 MALAGUTI, G., and PONTIS VIDELA, R. E. La podredumbre [Phytophthora cinnamomi] de las raíces del aguacate (Persea americana Mill.) en Venezuela. Agron. Trop. [Maracay] 2:77-82. Ref. July/Sept.1952. 26 Ag87
English summary.

50553 MARCELLI, E. A disease of bananas from Somaliland caused by Gloeosporium musarum Cooke and Massee. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 37:20-24. Ref. Jan./Feb.1953. 86 R22
English summary.

50554 MEIJERS, P. G., and BOER, H. T. Consideration of root rot of flax. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:68-70. 12 N38Vg

50555 MENEZES, O. B. DE. New disease of oats — genetics finds resistant plants. (In Portuguese.) Lav. e Criação 8(46):17. Jan.1953. 49 L392
Helminthosporium.

50556 MOREAU, C. Les maladies parasitaires des principales cultures coloniales. Revue bibliographique. X. Rev. de Mycol. Sup. Colon. 17:84-96. Dec.1,1952. 450 R327

50557 MORGAN, O. D. The development of chemical resistance in plant pathogenic fungi. Urbana,1952. 7 p. 464.4 M82
Abstract of thesis - University of Illinois.

50558 MULCOCK, A. P. Didymella — stem rot of tomatoes. Tomato & Stone Fruit J. 17(253):3-4. Feb.12, 1953. 80 T592

50559 MÜLLER, H. Die Monilia-krankheit der obstbäume. Biol. Bundesanst. Braunschweig. Flugbl. K 5, 6 p. Oct.1952. 464.9 B833

50560 MULLNER, L. Probleme der schädlingsbekämpfung im weinbau. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:47-51. Mar.1953. 105.9 K696
English summary.
Powdery and downy mildew.

50561 NATTRASS, R. M. Occurrence of Puccinia polysora Underw. in East Africa. Nature [London] 171: 527. Mar.21,1953. 472 N21

50562 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Het ontsmetten van zaaizaad bij zomergewassen [Treatment of seed of summer plants]. Netherlands. Plantenziektenk. Dienst. Ber. 1025,2 p. Jan.1953. 464.9 N38

50563 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Het ontsmetten van zomergranen [Treatment of summer grain]. Netherlands. Plantenziektenk. Dienst. Ber. 1026,2 p. Jan.1953. 464.9 N38

50564 NILSSON, L. Some experiments with downy mildew [Peronospora brassicae]. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 5/6:74-79. Dec. 1952. 464.9 Sw3V
On rape.

50565 NILSSON, R. The Berberis bush must be exterminated. (In Swedish.) Kalmar Läns Södra Hushsällsk. Årsskr. 1952:109-111. 11 K122
For control of white pine blister rust.

50566 NOBLE, M., ROBERTSON, N. F., and DOWSON, W. J. Verticillium wilt of lucerne in Britain. Plant Path. 2:31-33. Mar.1953. 464.8 P692

50567 OKAMOTO, H. Effect of selesan-calcium hydroxide mixture to blast of rice plant. (In Japanese.) Jap. J. Plant Protect. 43:17-21. Jan.1953. 421 J27

50568 ORELLANA, R. G. Copper sulphate for the control of damping-off in tobacco seedbeds. Phytopathology 43:125-127. Mar.1953. 464.8 P56

50569 PALM, B. A die-back disease of Metasequoia. Bot. Not. 4:441. 1952. 450 B656
Caused by Botrytis cinerea.

50570 PALMITER, D. H. 1952 experiments with fungicide treatments for improved scab control, yield and fruit quality. N. Y. State Hort. Soc. Proc. 98:186-187. 1953. 81 N484
Apples.
Includes discussion.

50571 PERU. ESTACION EXPERIMENTAL AGRICOLA DE LA MOLINA. Acción cooperativa internacional contra la "roya negra" del trigo [Puccinia gramminis tritici]. Vida Agr. [Lima] 30(350):43,45-46. Jan.1953. 9.8 V66

50572 PETRUSHOVAIA, N. I. Diseases of Eucalyptus and their control. (In Russian.) Les i Step' 5:89-91. Jan.1953. 99.8 L565

50573 PETTINARI, C. An apple spotting. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:19-29. Ref. 1951,pub.1953. 464.9 R662
English summary.
Pleospora alternariae.

50574 PETTINARI, C. Fusarium root-rot on Opuntia ficus-indica. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9: 61-67. 1951,pub.1953. 464.9 R662
English summary.

50575 PETTINARI, C. Stemphylium botryosum Wallr. on lettuce leaves. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:31-40. Ref. 1951,pub.1953. 464.9 R662
English summary.

50576 POTATO blight forecasting investigation in England and Wales, 1950-52. Plant Path. 2:1-15. Mar. 1953. 464.8 P692

50577 PRASAD, N., and SHAH, C. C. Frog's eye disease of tobacco in Gujarat. Bansilal Amritlal Agr. Col. Mag. 6:6-7. Sept.1952. 22 B22
Caused by Cercospora nicotianeae.

50578 PRIMROSE, C. Leaf fall in Erythrina lithosperma caused by fungal infection of petioles. Planters' Chron. 48:128. Mar.1,1953. 22 P693
Gloeosporium sp.

50579 REFFSTRUP, K. Salt v. Dactylium. MGA Bulletin 40:109. Apr.1953. 80 M97
Control of disease in mushroom culture.

50580 REITSMA, J. One year of blister blight on Java. (In Dutch.) Arch. v. de Theecult. 1:5-33. Dec. 1952. 68.18 Ea72

50581 ROBERTSON, A. G., and OGILVIE, L. Root rot of Brassicas caused by Phytophthora megasperma. Plant Path. 2:15. Mar.1953. 464.8 P692

50582 ROGERSON, C. T. Kansas mycological notes: 1951. Kans. Acad. Sci. Trans. 56:53-57. Mar.1953. 500 K13T

50583 ROUSSEL, C., SEMEIN, J., and MANSENCAL, A. L'excoriose [Guignardia baccae] de la vigne dans le sud-ouest:essais de traitements. Phytoma 6(45):11-13. Feb.1953. 464.8 P563

50584 SANBORN, R. Household bleaching agent effective for control of brown rot on cling peaches. West. Fruit Grower 7(3):36. Mar.1953. 95.8 G762
Chlorox.

50585 SAVILE, D. B. O., and CALDER, J. A. Phylogeny of Carex in the light of parasitism by the smut fungi. Canad. J. Bot. 31:164-174. Mar.1953. 470 C16C

50586 SCHANDER, H. Beobachtungen über mehltaubefall und mehltaubekämpfung an apfelsämlingen. Deut. Baumsch. 5:104-106. Apr.1,1953. 80 D486
Podosphaera leucotricha.

50587 SCHEFFER, R. P., and WALKER, J. C. The physiology of Fusarium wilt of tomato. Phytopathology 43:116-125. Ref. Mar.1953. 464.8 P56

50588 SCHIMMER, F. C. Alternaria brassicicola on summer cauliflower seed. Plant Path. 2:16-17. Mar. 1953. 464.8 P692

50589 SCHLÖSSER, L. A. Ein infektionsversuch mit Cercospora. Zucker 6:89-91. Mar.1,1953. 65.8 Z82
On sugar beets in Europe.

50590 SCHMIDT, M. 2 pflanzenschutzprobleme im kartoffelbau. Deut. Bauern Kal. 1953:132-133. 18 D4826
The fungus, Synchytrium endobioticum and the potato nematode, Heterodera rostochienisis, in the Russian Zone of Germany.

50591 SCHWEIZER, J. Cooperation between plantation and native growers with regard to the control of blister blight on tea. (In Dutch.) Arch. v. de Theecult. 1: 1-4. Dec.1952. 68.18 Ea72

50592 SEMPIO, C., and LUCACCI, G. Control of powdery mildew of tobacco. (In Italian.) Tabacco 57:45-55. Feb.1953. 69.8 T115

50593 SENNELS, Stavanger disease. (In Danish.) Frø og Gart. 18:17-18. Spring 1953. 80 F92
Thielaviopsis basicola on Cyclamen.

50594 SILVA, A. R. DA. Two different diseases—farmers should disinfect their wheat seeds. (In Portuguese.) Lav. e Criação 7(45):22-23. Dec.1952. 49 L392
Rot and smut.

50595 SIMONS, M. D. Physiologic specialization and inheritance of resistance to specific races of Puccinia coronata Corda var. avenae F. & L. (Abs.) Iowa State Col. J. Sci. 27:253-254. Jan.1953. 470 Io9

50596 SMITH, H. C. Strawberry fungous diseases in New Zealand. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:47-48. 1951,pub.1952. 90.09 R81R

50597 SOCIETY OF AMERICAN BACTERIOLOGISTS. Proceedings of the 52nd general meeting, Boston, Massachusetts, April 27 to May 1, 1952. n.p.,1952. 173 p. 448.39 So12A

50598 SPEK, J. VAN DER. The infection of stored potatotubers with late blight. (In Dutch.) Tijdschr. over Plantenziekten 59:29-32. Jan./Feb.1953. 464.8 T44
English summary.

50599 SPENCER, D. M., and GLASSCOCK, H. H. Crook root of watercress. Plant Path. 2:19-21. Mar. 1953. 464.8 P692
Caused by a fungus.

50600 SPRAGUE, R. Control of [powdery] mildew and apple scab. Oreg. State Hort. Soc. Proc. 67:37-38. 1952. 81 Or32

50601 STAHL, M. Rechtfertigen die versuchsergebnisse des jahres 1952; die durchführung eines schorfwarndienstes? Obstbau 72:40. (Cont.) Mar.1,1953. 80 Ob73

50602 STAHL, M. Rechtfertigen die versuchsergebnisse des jahres 1952 die durchführung eines schorfwarndienstes? Obstbau 72:57-58. (Concl.) Apr.1,1953. 80 Ob73

50603 STALDER, L. Das problem der Botrytisbekämpfung im weinbau. Schweiz. Z. f. Obst- u. Weinbau 62:105-107. (Cont.) Mar.23,1953. 80 Sch9

50604 STALDER, L. Das problem der Botrytisbekämpfung im weinbau. Schweiz. Z. f. Obst- u. Weinbau 62:128-132. (Concl.) Apr.4,1953. 80 Sch9

50605 STARR, G. H., WALTERS, H. J., and BRIDGMON, G. H. White mold (Sclerotinia) of beans. Wyo. Agr. Expt. Sta. B. 322,11 p. Feb.1953. 100 W99

50606 STRAIB, W. Beiträge zur kenntnis der an futtergräsern auftretenden rostpilze. Zentbl. f. Bakt. Parasitenk u. Infektkrank. Abt. II. 107:3-39. Ref. Nov. 29,1952. 448.3 C33

50607 STREETS, R. B. Calcium polysulphides for root-rot control? Prog. Agr. Ariz. 5:8. Apr./June 1953. 6 P9452

50608 STUBBS, L. L. Parsnip canker [Itersonilia]. Austral. Plant Dis. Recorder 5:3. Jan.1953. 464.8 Au7

50609 SULOCHANA, C. B. Soil conditions and root diseases. VI-VII. Indian Acad. Sci. Proc. Sect. B 36:229-242. Dec.1952. 513 In25B

50610 TAPKE, V. F. Further studies on barley powdery mildew as influenced by environment. Phytopathology 43:162-166. Ref. Mar.1953. 464.8 P56

50611 TOPALOVIC, G. Reorganization of the antiperonospora service in Vojvodina is needed. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(16):3-5. Ref. Dec.1952. 21.5 V87

50612 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Physiologic races of Puccinia graminis in the United States in 1951, by E. C. Stakman and D. M. Stewart. Washington?1953. 8 p. 1.967 A2P56
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering and Minnesota Agricultural Experiment Station cooperating.

50613 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The evaluation of peach leaf curl on foreign and domestic peaches and nectarines grown at the U. S. Plant Introduction Garden, Chico, California, by W. L. Ackerman. Chico?Calif.,1953. 31 p. 1.965 P2Ev1

50614 U. S. BUR. OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING. Seed treatment materials recommended for controlling bunt of wheat in the Pacific Northwest, by C. S. Holton and R. W. Leukel. Beltsville,Md.,1952. 4 p. 1.965 C2Se3

50615 URRIES, M. J., and CANAMAS, R. Razas fisiológicas de "Puccinia graminis tritici" y "P. rubigo vera tritici" en España, en el periodo 1950-52. Spain. Inst. Nac. de Invest. Agron. B. 12:593-616. Ref. Dec. 1952. 105.6 Sp14
English summary.

50616 VLASVELD, W. P. N. How can we control scab? (In Dutch.) Fruitteelt 43:247-248. Mar.21,1953. 86 N28

50617 VLASVELD, W. P. N. How can we control scab this year? II. (In Dutch.) Fruitteelt 43:265,274. Mar.28, 1953. 86 N28
On fruit.

50618 VRIEND, S. Occurrence of scab [Cladosporium cucumerium] on cucumbers. (In Dutch.) Groenten en Fruit 8:622,624. Feb.19,1953. 80 G89

50619 WADE, G. C. Ripe spot and target spot of apples. Tasmanian J. Agr. 24:14-19. Feb.1,1953. 23 T182T
Causes by a species of Gloeosporium.

50620 WAIN, R. L. The mode of action of copper fungicides. New Biol. 12:48-57. Apr.1952. 442.8 J63

50621 WALKER, A. T. Some effects of organic fungicides on the germination and respiration of Myrothecium verrucaria. (Abs.) Iowa State Col. J. Sci. 27: 271-272. Jan.1953. 470 Io9

50622 WALKER, J. Rust of Antirrhinum. Austral. Plant Dis. Recorder 5:8-9. Jan.1953. 464.8 Au7

50623 WEEDER, K. Copper oxychloride from colloidal copper for spraying of fruit and potatoes. (In Dutch.) Natl. Coop. Aan- en Verkoopver. v. de Landb. Cent. Bur. Meded. 37:26. Feb.1953. 12 N287

50624 WENZL, H. Bekämpfung der Colletotrichum-welkekrankheit der kartoffel durch strohbedeckung des bodens. Pflanzenschutzberichte 10:33-39. Ref. Mar. 1953. 464.9 P48
English summary.

50625 WESTON, W. A. R. D. Celery blight and how to prevent it. Grower [London] 39:533. Mar.14,1953. 286.83 M34
Septoria.

50626 WHALLEY, T. G., and KENT, R. H. The deterioration of mercurial fungicide solutions. Queensland Soc. Sugar Cane Technol. Proc. 20:17-22. Ref. 1953. 65.9 Q332

50627 WHITE, L. T. Studies in forest pathology. X. Decay of white pine [Pinus strobus] in the Timagami Lake and Ottawa Valley areas. Canad. J. Bot. 31:175-200. Mar.1953. 470 C16C

50628 WIEHE, P. O. The spread of Armillaria mellea (Fr.) Quel. in tung orchards. East African Agr. J. 18:67-72. Oct.1952. 24 Ea74

50629 WILLIS, S. J. Ergot in wheat variety trials in Hertfordshire. Plant Path. 2:34-35. Mar.1953. 464.8 P692

50630 WINTER, H. F., and YOUNG, H. C. New fungicides suggested to help control apple scab. Ohio Farm & Home Res. [Ohio Sta.] 38:24,39. Mar./Apr.1953. 100 Oh3S

50631 YALE, J. W., and VAUGHAN, E. K. Results during 1952 on controlling damping-off in table beets. Oreg. State Hort. Soc. Proc. 67:115-118. 1952. 81 Or32

50632 YARWOOD, C. E., HALL, A. P., and NELSON, M. M. Nutritive value of rust-infected leaves. Science 117:326-327. Ref. Mar.27,1953. 470 Sci2
Beans.

50633 YOUNG, H. C. Sugar beets. Ohio Farm & Home Res. [Ohio Sta.] 38:32-33. Mar./Apr.1953. 100 Oh3S
Control of black root.

50634 YOUNG, V. H., and SMITH, H. E. Soil fumigation for control of root knot and fusarium wilt of cotton. Ark. Farm Res. 2:2. Spring 1953. 100 Ar42F

Diseases Caused by Bacteria

50635 ARK, P. A. Walnut blight [Xanthomonas juglandis]; a review of its cause and control. Diamond Walnut News 35(2):6-7. Mar.1953. 94.68 D34

50636 CARPENTER, T. R., and SHAY, J. R. The differentiation of fireblight resistant seedlings within progenies of interspecific crosses of pear. Phytopathology 43:156-162. Ref. Mar.1953. 464.8 P56

50637 CROSSE, J. E. Bacterial diseases of stone-fruit trees in Britain. IX. Bacteriosis of apricot. Brit. Mycol. Soc. Trans. 36:38-45. Ref. Mar.1953. 451 B76
Pseudomonas mors-prunorum.

50638 JONES, A. P. Parsnip canker. Nature [London] 171:574. Mar.28,1953. 472 N21
Caused by Streptomyces scabies.

50639 MILLER, P. W. Filbert blight [Xanthomonas corylina] and its control. Oreg. State Hort. Soc. Proc. 67: 148-151. 1952. 81 Or32

50640 RUSAKOVA, A. A., and RASKIN, S. E. New control measure for black and white rot on seed carrots. (In Russian.) Selek. i Semen. 19(12):56-59. Dec.1952. 61.9 Se5
Thiram.

50641 SUTTON, M. D., and KATZNELSON, H. Isolation of bacteriophages for the detection and identification of some seed-borne pathogenic bacteria. Canad. J. Bot. 31:201-205. Mar.1953. 470 C16C

50642 TARR, S. A. J. Seed treatment against black-arm disease [Xanthomonas malvacearum] of cotton in the Anglo-Egyptian Sudan. II. Empire Cotton Growing Rev. 30:117-132. Apr.1953. 72.8 Em8

50643 WADE, G. C. Bacterial blight of roses. Austral. Plant Dis. Recorder 5:8. Jan.1953. 464.8 Au7

50644 WICKENS, G. M. Bacterial blight [Xanthomonas malvacearum] of cotton; a survey of present knowledge, with particular reference to possibilities of control of the disease in African rain-grown cotton. Empire Cotton Growing Rev. 30:81-103. Ref. Apr.1953. 72.8 Em7

Viruses and Virus Diseases

50645 ADAMS, M. H. Criteria for a biological classification of bacterial viruses. N. Y. Acad. Sci. Ann. 56:442-447. Ref. Mar.31,1953. 500 N484

50646 ALBA ROBAYO, V. La "tristeza" de los citrus, grave amenaza para la industria citrica. Agr. Trop. 9(3):41-45. Ref. Mar.1953. 26 Ag8

50647 ALLISON, R. M. Effect of leaf roll virus infection on the soluble nitrogen composition of potato tubers. Nature [London] 171:573. Mar.28,1953. 472 N21

50648 BAWDEN, F. C., and KLECZKOWSKI, A. The behaviour of some plant viruses after exposure to ultraviolet radiation. J. Gen. Microbiol. 8:145-156. Ref. Feb.1953. 448.3 J823

50649 BAWDEN, F. C. Criticism of binomial nomenclature as applied to plant viruses. N. Y. Acad. Sci. Ann. 56:538-544. Mar.31,1953. 500 N484

50650 BAZÁN DE SEGURA, C. La "Tristeza" de los citricos en el Peru; recomendaciones para su control. Mensajero Agr. 78:6-8. Ref. Dec.1952. 9.8 M52

50651 BEAUMONT, A. Observations on the incidence of Narcissus stripe in south-west England. Daffodil & Tulip Ybk. 18:90-100. Ref. 1953. 96.47 R81D

50652 BERKELEY, G. H. Some viruses affecting Gladiolus. Phytopathology 43:111-115. Ref. Mar.1953. 464.8 P56

50653 BITANCOURT, A. A. Discussion of the problem of imperfectly known viruses. N. Y. Acad. Sci. Ann. 56:448-454. Ref. Mar.31,1953. 500 N484
Classification and nomenclature.

50654 BITTERS, W. P., and PARKER, E. R. Quick decline of citrus as influenced by top-root relationships. Calif. Agr. Expt. Sta. B. 733,35 p. Ref. Feb.1953. 100 C12S

50655 BLACK, L. M. Viruses that reproduce in plants and insects. N. Y. Acad. Sci. Ann. 56:398-413. Ref. Mar.31,1953. 500 N484
Includes discussion.

50656 BOVEY, R. Les maladies à virus de la tomate. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:17-19. Feb.1953. 17 J82A

50657 BROADBENT, L. The control of potato virus diseases by roguing and early harvesting. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:34-36. May 1952. 90.17 L69
Includes discussion.

50658 BROADBENT, L. The control of potato virus diseases by the application of insecticides. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:23-26. May 1952. 90.17 L69
Includes discussion.

50659 BROADBENT, L. Transmission of potato viruses by aphids and spread in the field. Inst. v. Phyto path. Lab. v. Bloembollenonderz. P. 94:9-13. May 1952. 90.17 L69
Includes discussion.

50660 COCHRAN, L. C., and STOUT, G. L. Apricot ring pox. Calif. Dept. Agr. B. 42:7-10. Jan./Mar.1953. 2 C12M

50661 COCKERHAM, G. Breeding for resistance to potato viruses. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:37-39. May 1952. 90.17 L69
Includes discussion.

50662 CONFERENCE ON POTATO VIRUS DISEASES, WAGENINGEN—LISSE, 1951. Proceedings. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94,89 p. May 1952. 90.17 L69

50663 CREMER, M. C. The preparation of antiserum against potato virus Y. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:85-87. May 1952. 90.17 L69

50664 DARROW, G. M. Research leads the way to virus-free strawberry plants. Amer. Fruit Grower 73(4): 14-15,40. Apr.1953. 80 G85

50665 DU TOIT, J. J. An improved glass spatula for inoculating plants with viruses. Tijdschr. over Plantenziekten 59:23-24. Jan./Feb.1953. 464.8 T44

50666 FERNANDEZ UZQUIZA, J. J. La "degeneracion" de la patata. Spain. Min. de Agr. Hojas Divulg. 21-52H,8 p. Nov.1952. 15 H68

50667 FRASER, L. R. Rose wilt virus. Austral. Plant Dis. Recorder 5:7-8. Jan.1953. 464.8 Au7

50668 FREZAL, P. Principales maladies virusiformes des agrumes. Cong. Pomol. de France. Sess. 83: 81-118. Ref. 1952,pub.1953. 93.09 C7643
Includes discussion.

50669 FRY, P. R. Virus diseases of Gladioli. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:70. 1951,pub.1952. 90.09 R81R

50670 FULTON, J. P. Virus diseases in Arkansas strawberries. (Abs.) Ark. Acad. Sci. Proc. 5:11. 1952. 500 Ar42

50671 GARCIA CABEZON, A. La "tristeza," una grave enfermedad de los agrios. Agricultura [Madrid] 22:62-67. Feb.1953. 15 Ag84

50672 HANSEN, S. E. Investigations on potato virus X. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94: 28-30. May 1952. 90.17 L69
Includes discussion.

50673 HEILING, A. Massnahmen gegen das vergilben der rüben. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 569. Apr.2,1953. 18 L2346

50674 HELSON, G. A. H. The insect transmission of plant virus diseases. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:86. 1951,pub.1952. 90.09 R81R

50675 HUERTOS, R. Virus "mosaico de la Zinnia." Microbiol. Españ. 5(3/4):155-161. July/Dec.1952. 448.3 M583
English summary.

50676 HUGHES, W. A., and LISTER, C. A. Lime dieback in the Gold Coast, a virus disease of the lime, Citrus aurantifolia (Christmann) Swingle. J. Hort. Sci. 28: 131-140. Ref. Apr.1953. 80 J825

50677 JOHNSON, J. C. Common bean mosaic yield trial, 1952. Queensland Agr. J. 75:350-352. Dec.1952. 23 Q33

50678 KASSANIS, B. The control of plant viruses by therapeutic methods. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:48-50. Ref. May 1952. 90.17 L69

50679 KIELY, T. B., and GELLATLEY, J. G. Incidence of spotted wilt of tomatoes. Austral. Plant Dis. Recorder 5:2-3. Jan.1953. 464.8 Au7

50680 KLECZKOWSKI, A. A method for testing results of infectivity tests with plant viruses for compatibility with hypotheses. J. Gen. Microbiol. 8:295-301. Apr.1953. 448.3 J823
Statistical method.

50681 KLOSTERMEYER, E. C. Entomological aspects of the potato leaf roll problem in central Washington. Wash. Agr. Expt. Sta. Tech. B. 9,42 p. Ref. Mar. 1953. 100 W27T
Virus disease transmitted by aphids.

50682 KOHLER, E. Diagnostik der kartoffelviren mit testpflanzen. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:27. May 1952. 90.17 L69

50683 KOHLER, E. Elektronenmikroskopische untersuchungen über kartoffel virus X. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:81. May 1952. 90.17 L69

50684 KOHLER, E. Die nomenklatur der kartoffelviren. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:51. May 1952. 90.17 L69

50685 KRAUSE, W. G. C. Some aspects of bitter pit. Com. Grower 2984:465-466. Mar.5,1953. 80 F941
Apples.

50686 KRISTENSEN, H. R. Tulip virus diseases. (In Danish.) Gart.-Tid. 69:147-150. Mar.30,1953. 80 G192

50687 KUNZE, L. Die Pfeffinger kirschbaum-krankheit auch am Mittelrhein. Pflanzenschutz 5:4-7. Ref. Jan.1953. 464.8 P48

50688 LACKEY, C. F. Attraction of dodder and beet leafhopper [Circulifer tenellus] to vascular bundles in the sugar beet as affected by curly-top. Amer. J. Bot. 40:221-225. Apr.1953. 450 Am36

50689 LIHNELL, D. Virus diseases of raspberries. (In Swedish.) Svensk Jordbrforsk. 1953:114-121. 11 J763

50690 LIMASSET, P. Advantages of the Linnean binomial system for plant viruses. N. Y. Acad. Sci. Ann. 56:433-438. Mar.31,1953. 500 N484

50691 LIMASSET, P., CORNUET, P., and MARTIN, C. Le diagnostic serologique de la mosaique du Dahlia. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:59-62. May 1952. 90.17 L69
Includes discussion.

50692 LÜDECKE, H., and NEEB, O. Untersuchungen über den einfluss von gelbsuchtvirusinfektion auf physiologische gradienten der zuckerrübe. Zucker 6:117-120. Mar.15,1953. 65.8 Z82

50693 LÜDECKE, H. Was kann gegen die vergilbungskrankheit der zuckerrübe unternommen werden? Zucker 6:91-92. Mar.1,1953. 65.8 Z82

50694 MCKAY, R., and LOUGHNANE, J. B. Effects of some single viruses and of combinations of the same viruses on three potato varieties. Roy. Dublin Soc. Sci. Proc. (n.s.)26:133-143. Mar.2,1953. 501 D85

50695 MARTIN, C. Améliorations apportées à l'extraction du virus de la mosaique du Dahlia (Marmor dahliae) Holmes. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt. 3:395-396. July/Sept.1952. 464.9 F84An

50696 MARTIN, C. Contribution à l'étude des propriétés sérologiques des virus de la pomme de terre. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3:393-394. July/Sept.1952. 464.9 F84An

50697 MARTIN, C. Isolement d'une souche du virus y de la pomme de terre (Marmor upsilon Holmes) à partir du Dahlia et de la tomate. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3:394. July/Sept.1952. 464.9 F84An

50698 MASTENBROEK, C. Breeding potatoes resistant to leaf roll. (In Dutch.) Natl. Coop. Aan- en Verkoopver. v. de Landb. Cent. Bur. Meded. 37:21-23. Feb. 1953. 12 N287

50699 MATTHEWS, R. E. F. Chemotherapy and plant viruses. J. Gen. Microbiol. 8:277-288. Ref. Apr.1953. 448.3 J823

50700 MATTHEWS, R. E. F. Genetics in relation to viruses. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7: 255. 1951,pub.1952. 90.09 R81R
Plant viruses.

50701 MUNSTER, J. Lutte préventive contre les viroses de la pomme de terre. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:21-22. Mar.1953. 17 J82A

50702 OSWALD, J. W., and HOUSTON, B. R. The yellow-dwarf virus disease of cereal crops. Phytopathology 43:128-136. Ref. Mar.1953. 464.8 P56

50703 OUBOTER, M. P. DE B. A new potato virus. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:83-84. May 1952. 90,17 L69

50704 PASQUIER. La psorose, maladie des agrumes; rapport de mission effectuée en Algérie du 15 au 20 mai 1952. Feuille d'Inform. Vitic. et Arbor. de Tunisie 29: 17-21. Aug.1952. 80 F433

50705 POSNETTE, A. F. Green petal—a new virus disease of strawberries. Plant Path. 2:17-18. Mar.1953. 464.8 P692

50706 RAALTE, D. VAN. Virus diseases. I. (In Dutch.) Floralia 73:89-90. Mar.18,1953. 80 F6613

50707 RAALTE, M. H. VAN, and WANT, J. P. H. VAN DER. Effect of amino acids on the number of lesions produced in leaves of Nicotiana glutinosa after inoculation with tobacco mosaic virus. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:66-70. May 1952. 90.17 L69
Includes discussion.

50708 ROLAND, G. Identification des virus de la pomme de terre. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:31-33. May 1952. 90.17 L69
Includes discussion.

50709 ROLAND, G. La nomenclature des virus de la pomme de terre. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:52-58. Ref. May 1952. 90.17 L69
Includes discussion.

50710 ROSS, H. Studies on mosaic resistance in the potato. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:40-47. Ref. May 1952. 90.17 L69

50711 ROZENDAAL, A. Demonstration of experiments with potato viruses. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:63-65. May 1952. 90.17 L69

50712 ROZENDAAL, A. New potato virus problems. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden. en Aardappelpootgoed. Meded. 8:94-98. Apr.1952. 61.9 N28

50713 ROZENDAAL, A. Resistance of early potatoes to virus diseases. (In Dutch.) Groenten en Fruit 8:613-614. Feb.19,1953. 80 G89

50714 SCHRAMM, G. Chemie der viren. Klin. Wchnschr. 31:198-205. Ref. Mar.1,1953. 448.8 K68
Plant and livestock viruses.

50715 SCHRAMM, G., and BRAUNITZER, G. Prolin als endgruppe des tabakmosaikvirus. Z. f. Natforsch. 8b: 61-66. Ref. Feb.1953. 474 Z3

50716 SHIELDS, I. J. Observations on phloem necrosis. Kans. Acad. Sci. Trans. 56:61-62. Mar.1953. 500 K13T
On American elm in Kansas.

50717 SIRMAI, I. A. A new variety of root virus of seedlings. (In Russian.) Acta Agron. [Budapest] 2:275-289. 1952. 19 Ac8
English summary.

50718 SLOGTEREN, D. H. M. VAN. The preparation of antisera against carnation mosaic virus. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:88-89. May 1952. 90.17 L69

50719 SLOGTEREN, E. VAN. Importance of serological research to international horticulture. (In Dutch.) Weekbl. v. Bloembollencult. 63:331,333. Mar.20,1953. 80 W412
Virus diseases of plants.

50720 SPRAU, F. Elektronenoptische darstellung des blattrollvirus der kartoffel mit einem kurzen überblick über die elektronenmikroskopie in der virusforschung. Z. f. Pflanzenbau u. Pflanzenschutz 3:213-221. Ref. 1952. 464.8 P88

50721 STEINDL, D. R. L., and HUGHES, C. G. Ratoon stunting disease. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:79-95. Jan.1,1953. 65.9 Q3C
Virus.

50722 STEUDEL, W. Epidemiologische studien zur vergilbungskrankheit im Rheinland 1952. Zucker 6:69-73. Feb.15,1953. 65.8 Z82

50723 STEUDEL, W. Zur frage der bekämpfung der vergilbungskrankheit der Beta-rüben durch überträgerabtötung mit chemischen mitteln. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:418-430. Ref. Nov./Dec.1952. 464.8 Z3
English summary.

50724 STRICKLAND, A. G. Virus diseases may be introduced to trouble-free areas if precautions and danger signs are ignored. (Excerpts.) Citrus News 28:9. Jan.1953. 80 C494

50725 THUNG, T. H. The infectivity of viruses. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:76-80. Ref. May 1952. 90.17 L69
Includes discussion.

50726 WANT, J. P. H. VAN DER. Some remarks on a soil-borne potato virus. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:71-75. May 1952. 90.17 L69
Includes discussion.

50727 WEBER, F., and KENDA, G. Die viruskörper von Opuntia subulata. Protoplasma 41:378-381. 1952. 442.8 P94

50728 WENZL, H. Neue erfahrungen über die vergilbungskrankheit der rübe. Pflanzenarzt 6(3):3-4. Mar.1,1953. 464.9 P482

50729 WENZL, H. Untersuchungen über den nichtvirösen kartoffelabbau. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:65-77. Ref. Feb.1953. 464.8 Z3
English summary.

50730 WILKINSON, J. Virus-induced nucleolar abnormalities in tomato. Nature [London] 171:658-659. Apr.11,1953. 472 N21

50731 WILLISON, R. S., and WEINTRAUB, M. Comparative studies of stone fruit viruses on herbaceous hosts. (Abs.) Canad. Phytopath. Soc. Proc. 20:23. 1952, pub.1953. 464.9 C162

Diseases Caused by Nematodes

50732 BORG, Å. Nematode attacks on oats. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 5/6: 69-74. Dec.1952. 464.9 Sw3V

50733 BRUINSMA, F. Control of nematodes [Ditylenchus dipsaci Kühn] on shallots. (In Dutch.) Zaadbelangen 7:40-41. Feb.28,1953. 61.8 Z1

50734 COUTIÈRE, G. Le nématode de la betterave. Phytoma 6(45):14-16. Feb.1953. 464.8 P563

50735 GILBERT, J. C., and MCGUIRE, D. C. Root knot resistance in commercial type tomatoes in Hawaii. Amer. Soc. Hort. Sci. Proc. 60:401-411. Dec.1952. 81 So12

50736 GOFFART, H. Fadenwürmer als pflanzenfeinde. Umschau 52:659-661. Nov.1,1952. 474 Um7

50737 HAEGERMARK, U. Something on nematode attacks on farm crops. (In Swedish.) Kalmar Läns Södra Hushsällsk. Årsskr. 1952:134-139. 11 K122

50738 HIGLEY, J. C. Some new uses for D-D against eelworm. Grower [London] 39:731,733. Apr.11,1953. 286.83 M34

50739 JONES, F. G. W., and WINSLOW, R. D. Hatching responses in root eelworms (Heterodera spp.). Nature [London] 171:478-479. Mar.14,1953. 472 N21
Effect of plant extracts.

50740 KOLTERMANN, A. Lehren aus dem seinerzeitigen auftreten des kartoffelnematoden in Pommern. Pflanzenschutz 5:9-11. Jan.1953. 464.8 P48

50741 KORSTEN, L. H. J. A new method for testing the susceptibility of clover plants to the stem eelworm, Ditylenchus dipsaci (Kühn) Filipjev. (In Dutch.) Tijdschr. over Plantenziekten 59:27-28. Jan./Feb.1953. 464.8 T44
English summary.

50742 MARTIN, G. C. The eelworm problem. 1. Rhodesian Tobacco J. 5(3):61-65,67-70. Mar.1953. 69.8 R34

50743 OOSTENBRINK, M., and STOFMEEL, W. J. The treatment of bulbs against Heterodera rostochiensis. (In Dutch.) Tijdschr. over Plantenziekten 59:1-8. Jan./Feb.1953. 464.8 T44
English summary.

50744 SODERPALM, E. Distribution and importance of oat nematodes. (In Swedish.) Älvsborgs Läns Norra Hushsällsk. Tidskr. 60:10-11. 1953. 11 AL82

50745 WAHLIN, B. Nematode attacks are increasing. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 4:63-64. Sept.1952. 464.9 Sw3V

50746 WILKINSON, J. The effects of "aspermy" virus upon nuclear behaviour in certain solanaceous plants. Soc. Study Fert. Proc. 4:53-54. 1952. 444.9 So1

ECOLOGY

50747 ALVAREZ CONDE, J. Exploraciones ecológicas en el Occidente de Cuba. Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 21:195-210. Jan.1953. 410.9 So15

50748 ARGENTINE REPUBLIC. MINISTERIO DE AGRICULTURA Y GANADERÍA. Mapa ecológico de la República Argentina, por J. Papadakis. Ed. 2, enl. Buenos Aires,1952. 2 v. 31.9 Ar37M
Vol. 2 is Atlas.

50749 BARRY, J. P., and others. Évolution de la végétation des Landes Gasconnes d'après les amplitudes biologiques de quelques espèces à pouvoir dynamique élevé. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:713-754. Ref. Sept./Oct.1952. 14 F8499
P. Bernaux, C. Bouchet, G. Kuhnholtz-Lordat, and P. Renaud, joint authors.

50750 BUTTERS, F. K., and ABBE, E. C. A floristic study of Cook County, northeastern Minnesota. Rhodora 55:21-55. (Cont.) Feb.1953. 450 R34

50751 BUTTERS, F. K., and ABBE, E. C. A floristic study of Cook County, northeastern Minnesota. Rhodora 55:63-101. (Cont.) Ref. Mar.1953. 450 R34

50752 BUTTERS, F. K., and ABBE, E. C. A floristic study of Cook County, northeastern Minnesota. Rhodora 55:116-154. (Cont.) Apr.1953. 450 R34

50753 BYKOV, B. A. On T. A. Rabotnov's article "In regard to methods of studying the struggle for existence in phytocoenoses (Remarks to B. A. Bykov's article)." (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):53-54. 1952. 511 M85
Remarks by L. G. Ramenskiĭ, p. 55.

50754 ELLIOTT, J. C. The phytosociology of the upland second growth hardwoods of Missaukee County, Michigan. Mich. U. Diss. Abs. 13:7-8. Feb.1953. 241.8 M58

50755 FAHEY, E. M. The repopulation of intertidal transects. Rhodora 55:102-108. Ref. Mar.1953. 450 R34
Study of "climax" associations at Nobska Point and Woods Hole, Mass.

50756 FISHER, F. J. F. Some observations on the screes of Mt. Bailey, Canterbury. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:44. 1951,pub.1952. 90.09 R81R
Plant ecology.

50757 GILLNER, V. Die gürtelung der strandwiesen und der wasserstandswechsel an der westküste Schwedens; eine ökologische untersuchung von Vallda Sandö im nördlichen teil der landschaft Halland. Svensk Bot. Tidskr. 46:393-428. Ref. 1952. 450 Sv2

50758 HUMBERT, H. Le problème du recours aux feux courants. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:19-28. Jan./Feb.1953. 26 R323
Forest ecology.

50759 IGOSHINA, K. N. Subalpine vegetation of the Central Urals. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:289-354. Ref. 1952. 451 Sa21G

50760 IVANOV, V. V. The forest-steppe of Obshchi Syrt. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(6):82-91. Ref. 1952. 511 M85
An ecological study.

50761 KARPOV, V. G. Forest vegetation at the foothills of the Labinsk-Teberdinsk District in North Western Caucasia. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:241-258. Ref. 1952. 451 Sa21G

50762 KOCHER, L., and NÈGRE, R. Observations sur les peuplements phytosociologiques et entomologiques des environs d'Ifrane. Soc. des Sci. Nat. du Maroc. B. 31: 265-268. Second Semes.1951,pub.1952. 515 So1

50763 KREH, W. Von der veränderung des landschaftsbildes durch neueinwandernde pflanzen. Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21:68-71. 1952. 410.9 W96

50764 LAUGHLIN, K. A floristic study of big trees of the Midwest. Phytologia 4:153-171. Mar.1953. 450 P563

50765 LAVRENKO, E. M. Microcomposition and mosaics of the vegetation carpet of steppes as a result of animal and plant activity. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:40-70. Ref. 1952. 451 Sa21G

50766 LEHMANN, E. Zur Stuttgarter floristik. Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107:173-175. 1951,pub.1952. 509 W96

50767 MATUSZKIEWICZ, W. Zespoły lêsne Białowieskiego Parko Narodowego [Die waldassoziationen von Bialowieza-Nationalpark]. Lublin. U. M. Curie-Sklodowskiej. Ann. Sect. C. Sup. 6,218 p. Ref. 1952. 512 L96Ac
German summary.

50768 MEDINA BLANCO, M. Modificaciones pratenses sin coacción cultural y biótica. Arch. de Zootec. 2(5):45-52. 1953. 49 Ar22
English summary.

50769 MOORE, P. G. A test for non-randomness in plant populations. Ann. Bot. (n.s.)17:57-62. 1953. 450 An7

50770 MOSS, E. H. Forest communities in northwestern Alberta. Canad. J. Bot. 31:212-252. Ref. Mar. 1953. 470 C16C

50771 NAGATA, S. Micro-climatic observations in the primeval forest in Kasuga, Nara. 2. On the comparison between inside and outside of the forest. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:95-98. Nov.1952. 340.9 So1
English summary.

50772 NEARING, G. G. Unsolved mysteries of the Pine Barrens. Amer. Rock Gard. Soc. B. 11:7-13. Jan. 1953. 81 Am342
New Jersey.

50773 PAATELA, J., and LAINE, L. Heinänurmien botaanisen koostumuksen määrittämisestä silmävaraisesti On visual estimation in determination of the botanical composition of tame-hayfields. Suomen Maataloustiet. Seura. Julkaisu. 80(2),24 p. 1953. 20 Su7
English summary.

50774 PONIATOVSKAIA, V. M. Intensive study of grass associations in the South Kirghiz Forest Belt. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:156-240. Ref. 1952. 451 Sa21G

50775 POOLE, A. L., and TAYLOR, N. H. Ecotones in the pumice country. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:43. 1951,pub.1952. 90.09 R81R

50776 ROISIN, P., and THILL, A. Aperçu de la vegetation forestiere de quelques bois de la région sablo-limoneuse. Soc. Roy. Forest. de Belg. B. 60:1-32. Ref. (Concl.) Jan.1953. 99.9 B83

50777 SHALYT, M. S. The portion below ground of certain meadow, steppe and desert plants and phytocenosis. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:71-139. Ref. 1952. 451 Sa21G
Part 1 was published in No. 6 of Geobotanika.

50778 SOCHAVA, V. B., and LIPATOVA, V. V. Spreading of the beech in the forests of Moldavia. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:259-288. Ref. 1952. 451 Sa21G

50779 TAYLOR, C. J. The vegetation zones of the Gold Coast. Gold Coast. Forestry Dept. B. 4,12 p. 1952. 99.9 G56B

50780 TRIST, P. J. O. Ecology in the reclamation of salt flooded marshes. Gt. Brit. Min. Agr. Agriculture 59: 571-573. Mar.1953. 10 G79J

50781 WENDELBERGER, Z. E. Die vegetation der Donauauen bei Wallsee; eine soziologische studie aus dem Machland. Wels,1952. 196 p. (Austria, Upper. Landesbaudirektion. Schriftenreihe 11) 463.89 W48

50782 WHITTAKER, R. H. A vegetation analysis of the Great Smoky Mountains. Urbana,1952. 9 p. 463.89 W61
Abstract of thesis - University of Illinois.

MORPHOLOGY, ANATOMY, AND CYTOLOGY

50783 AMATO, F. D'. Polyploidy in the differentiation and function of tissues and cells in plants; a critical examination of the literature. Caryologia 4:311-358. Ref. 1951/52. 442.8 C25

50784 BALDINI, E. Research on the floral biology of the cardoon,Cynara cardunculus. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 37:10-19. Ref. Jan./Feb.1953. 86 R22
English summary.

50785 BAUM, H. Der bau des karpellstiels von Grevillea thelemanniana und seine bedeutung für die beurteilung der epeltaten karpelle. Phytomorphology 2:191-197. Dec.1952. 450 P566
English summary.

50786 BERTERO, A. Branching from upper nodes of the rice plant. (In Italian.) Riso 2(2):20. Feb.1953. 59.8 R49

50787 BITTNER, F. Lignin und seine bildung in der pflanze. Umschau 52:677-678. Nov.15,1952. 474 Um7

50788 BOKE, N. H. Tubercle development in Mammillaria heyderi. Amer. J. Bot. 40:239-247. Ref. Apr.1953. 450 Am36

50789 BRADBURY, D. Division of starch-containing cells. Amer. J. Bot. 40:286-288. Apr.1953. 450 Am36
Experiments with potatoes.

50790 BRETT, O. E. Cerastium arcticum Lange. Nature [London] 171:527-528. Mar.21,1953. 472 N21

50791 BRINGMANN, G. Die organisation der kernäquivalente der spaltpflanzen unter berücksichtigung elektronenmikroskopischer befunde. Zentbl. f. Bakt. Parasitenk u. Infektkrank. Abt. II. 107:40-80. Ref. Nov. 29,1952. 448.3 C33

50792 BROWN, W. N. Developmental morphology of pericarp blistering in sweet corn (Zea mays L.). Mich. U. Diss. Abs. 13:3. Feb.1953. 241.8 M58

50793 BUVAT, R., and LIARD, O. Nouvelle constatation de l'inertie des soi-distant initiales axiales dans le méristème radiculaire de Triticum vulgare. Acad. des Sci. Compt. Rend. 236:1193-1195. Mar.16,1953. 505 P21

50794 CAMPREDON, J. Le bois de réaction—veine rouge—cellules gélatineuses; leurs caractéres, leur influence sur l'utilisation du bois. Rev. du Bois 8(2):3-7. Feb.1953. 99.82 R32

50795 CARLSON, M. C. Root formation in isolated cotyledons of Brassica napus and Raphanus sativus. Amer. J. Bot. 40:233-238. Apr.1953. 450 Am36

50796 CHRISTEN, H. R. Die embryologie von Rubus idaeus und von bastarden zwischen Rubus caesius und Rubus idaeus. Z. f. Induktive Abstam.- u. Vererbungslehre 84:454-461. 1953. 442.8 Z34

50797 CLOWES, F. A. L. The cytogenerative centre in roots with broad columellas. New Phytol. 52:48-57. Feb.1953. 450 N42

50798 COZZO, D. The structure and diagnostic significance of crateriform bordered pits in the vessels of Cercidium. Arnold Arboretum. J. 34:187-190. Apr. 1953. 451 Ar6J

50799 DAS, B. C. Cytology of megasporogenesis as a basis for sterility in autotetraploid sweetclover, Melilotus alba. (Abs.) Iowa State Col. J. Sci. 27:153-154. Jan.1953. 470 Io9

50800 DAVIES, E. W. Polyploidy in Primula farinosa L. Nature [London] 171:659-660. Apr.11,1953. 472 N21

50801 DUBROVITSKAÏA, N. I., and FURST, G. G. Change in structure of Delphinium cuttings after rooting. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:60-65. Ref. 1952. 451 M854

50802 DUVEL, D. Polarisationsoptische chloroplastenuntersuchungen an Impatiens parviflora. Protoplasma 41:446-451. Ref. 1952. 442.8 P94

50803 EL-HAMIDI, A. Vergleichend-morphologische untersuchungen am gynoeceum der unterfamilen Melanthioideae und Asphodeloideae der Liliaceae. Zürich. U. Inst. f. Allg. Bot. Arb. Ser. A 4,50 p. Ref. 1952. 451 Z8

50804 ESPOSITO SEU MARGHERITA, M., and MAUGINI, E. Observation on the caryogram of Endymion hispanicus (Mill.) Chouard subsp. campanulatus Parl. (Liliaceae). (In Italian.) Caryologia 4:359-366. Ref. 1951/52. 442.8 C25
English summary.

50805 FRIES, N., and ASCHAN, K. The physiological heterogeneity of the dikaryotic mycelium of Polyporus abietinus investigated with the aid of micrurgical technique. Svensk Bot. Tidskr. 46:429-445. Ref. 1952. 450 Sv2

50806 FUJII, I., and others. On the mechanism of nuclear division and chromosome arrangement. (A symposium). III. Studies on nuclear divisions in vivo. A. behaviours of the nuclear elements in the meiotic prophase of PMCs and tapetum cells with special reference to the continuous phase of the nucleus. Cytologia 17:345-367. Ref. Dec.1952. 442.8 C99
This installment by K. Yasui.

50807 FURUYA, M. Problems concerning vegetative shoots in dicotyledons. (In Japanese.) Biol. Sci. 4:156-166. Ref. Dec.1952. 442.8 B5264

50808 GARDNER, F. P. Floral induction and development in orchardgrass. (Abs.) Iowa State Col. J. Sci. 27: 176-177. Jan.1953. 470 Io9

50809 GARRIGUES, R. Recherches sur les cécidies, le cancer et l'action des carbures cancérigènes sur les végétaux. Ann. Biol. 57:39-46. Ref. Jan./Feb.1953. 442.8 An7

50810 GENEVES, L. Sur l'apparition temporaire d'abondantes inclusions paraplasmiques dans les méristèmes radiculaires d'Allium cepa formés à o°C, puis réchauffés. Acad. des Sci. Compt. Rend. 236:1070-1072. Mar.9,1953. 505 P21

50811 GUBENKO, F. P. Anatomical characteristics of a tobacco leaf. (In Russian.) Tabak 13(6):47-51. Nov./Dec.1952. 69.8 T112

50812 GUILLAUMIN, A. Encore quelques formes de jeunesse de plantes néo-calédoniennes. Notulae System. 14:278-281. Dec.1952. 452 L493

50813 GULLINE, H. F. The cytology of Athrotaxis. Roy. Soc. Tasmania. Papers & Proc. 86:131-136. 1952. 514 H65

50814 HANA, K. Plants that are twins and sometimes triplets. (In Dutch.) Floralia 73:29-31. Feb.4,1953. 80 F6613
Lichenes.

50815 HESLOP-HARRISON, Y. Cytological studies in the genus Rubus L. I. Chromosome numbers in the British Rubus flora. New Phytol. 52:22-39. Ref. Feb. 1953. 450 N42

50816 HIRAOKA, T. Observational and experimental studies of meiosis with special reference to the bouquet stage. XIII-XIV. Cytologia 17:287-299. Ref. Dec.1952. 442.8 C99
In plants.

50817 HOLDSWORTH, M. Node number and inflorescence initiation. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7: 39-41. 1951,pub.1952. 90.09 R81R

50818 HOUTMAN, G. Abnormalities of fruit. I-II. (In Dutch.) Fruitteelt 43:268-269;304-305. Mar.28-Apr. 4,1953. 86 N28

50819 KANDELER, R. Zum ährchenzerfall der Gramineen bei fruchtreife. Bot. Jahrb. 75:498-550. Ref. June 1952. 450 En3B

50820 KENDA, G., and WEBER, F. Rasche vakuolenkontraktion in Cerinthe-blütenzellen. Protoplasma 41: 458-466. Ref. 1952. 442.8 P94

50821 KIMURA, C. On the embryo sac of Populus italica Moench. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 19:354-356. Oct.1952. 513 T574Ab

50822 KUPERMAN, F. M. Morphophysiological methods of plant investigation. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(6):64-72. Ref. 1952. 511 M85
Analysis of phasic development of barley.

50823 KURABAYASHI, M. Differential reactivity of the specific chromosome segments in Paris. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 6:199-209. Ref. Nov.1952. 451 H68

50824 KÜSTER, E. Cecidologische notizen. IV-VII. Flora [Jena] 139:526-559. Ref. Dec.30,1952. 450 F66

50825 KUSTER, E. Zytomorphologische beobachtungen an Chaetomorpha. Protoplasma 41:467-475. Ref. 1952. 442.8 P94

50826 LEHMANN, E. "Henne und küchlein" bei blumen. Orion 8:312-314. Apr.1953. 474 Or4
Abnormalities.

50827 LEONCINI, M. L. New caryologic observations on the genus Caltha. (In Italian.) Caryologia 4:367-371. 1951/52. 442.8 C25
English summary.

50828 LEROY, J. F. La transformation de l'apex végétatif en apex floral (ou inflorescentiel) chez les dicotylédones. A propos d'une note de M. R. Buvat. Acad. des Sci. Compt. Rend. 236:1375-1376. Mar.30,1953. 505 P21

50829 LIUBIMOVA, V. F. Multiple grains in perennial wheat buds. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:24-32. 1952. 451 M854

50830 LOH, C. S., TSENG, P. M., and TANG, C. K. A progressive report on the studies of the rind hardness of stalk of sugarcane. (In Chinese.) J. Sugarcane Res. 6: 227-247. Dec.1952. 65.8 J822
English summary.

50831 LOWRY, R. J. Intraspecific chromosome races in Timmia cucullata Michx. Bryologist 56:36-39. Mar.1953. 450 B84

50832 LUTERAAN, P. J., and GUYOTJEANNIN, C. Un processus insolite: la conjugaison observée au niveau d'éléments pseudo-mycéliens chez une levure, Saccharomyces acidifaciens (Nickerson, 1943). Rev. de Mycol. 17: 197-213. Ref. Dec.1,1952. 450 An74

50833 MAHESHWARI, P., and ROY, S. K. The embryo sac and embryo of Tridax procumbens L. Phytomorphology 2:245-252. Ref. Dec.1952. 450 P566

50834 MANTON, I. Number of fibrils in the cilia of the green algae. Nature [London] 171:485-486. Mar.14, 1953. 472 N21

50835 MENEZES, O. B. DE. On sex reversion in Carica papaya. (In Portuguese.) Rev. de Agr. [Piracicaba] 28:1-12. Ref. Jan./Feb.1953. 9.2 R324
English summary.

50836 MICHALSKA, A. Cytological investigations on Luzula. (In Polish.) Soc. Bot. Polon. Acta 22:169-186. Ref. 1953. 451 So16
English summary.

50837 MOLOTKOVSKIĬ, G. KH., and MOLOTKOVSKIĬ, IU. G. Formation of bi-sexual blossoms in walnuts during the second blooming. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(5):74-78. Ref. 1952. 511 M85

50838 MOORE, R. J., and LINDSAY, D. R. Fertility and polyploidy of Euphorbia cyparissias in Canada. Canad. J. Bot. 31:152-163. Ref. Mar.1953. 470 C16C

50839 NAKAJIMA, G. The fertility and germination of seeds raised on the F_1 plants obtained from (T. turgidum x S. cereale x T. vulgare F_1) x T. turgidum and the external characters and somatic chromosomes of its F_2 progenies. (In Japanese.) Jap. J. Breeding 2:89-92. Dec.1952. 64.8 J27
English summary.

50840 NAKAZAWA, S. On the sterility of an Eriocapitella with special reference to the cytomixic meiosis of pollen mother cells. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 19:348-353. Ref. Oct.1952. 513 T574Ab

50841 NAYLOR, M. Methods of oosphere release in some New Zealand fucoids. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:69. 1951,pub.1952. 90.09 R81R

50842 OWNBEY, M. The chromosomes of Disporum maculatum. Rhodora 55:61-62. Mar.1953. 450 R34

50843 PERSSON, B. Abnormal formation of potato tubers. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 5/6:95-96. Dec.1952. 464.9 Sw3V

50844 PHILLIPS, C. E. L. Fastigiate trees. Gard. Illus. 70:94. Apr.1953. 80 G169

50845 POTZTAL, E. Über die blattanatomie der Isachneae. Bot. Jahrb. 75:551-569. Ref. June 1952. 450 En3B

50846 RAO, C. V. Life-history of Ochroma lagopus Sw. Cur. Sci. 22:18-19. Jan.1953. 475 Sci23

50847 RAZI, B. A., and SUBRAMANYAM, K. Embryology of the Dipsacaceae. Indian Acad. Sci. Proc. Sect. B 36:249-257. Dec.1952. 513 In25B

50848 REAMS, W. M. The occurrence and ontogeny of hydathodes in Hygrophila polysperma T. Anders. New Phytol. 52:8-13. Feb.1953. 450 N42

50849 REEVES, R. G. Morphology of plant organs related to the maize ear. Amer. J. Bot. 40:266-271. Ref. Apr.1953. 450 Am36

50850 RÜDIGER, W. Zusammenhänge zwischen organgestalt und zellform unserer kulturpflanzen. Umschau 52:463. Aug.1,1952. 474 Um7

50851 RYPMA, R. B. Notes on the cell wall of higher plants. Tex. J. Sci. 5:49-58. Ref. Mar.30,1953. 470 T31

50852 SARAZIN, A. The cultivated mushroom. 7. Cytology. MGA Bulletin 40:115-118. Apr.1953. 80 M97

50853 SCHWANITZ, F. Die zellgrösse als grundelement in phylogenese und ontogenese. Züchter 23:17-44. Ref. 1953. 442.8 Z8

50854 SCHWANTES, H. O. Färbungsanalytische untersuchungen zur lage des isolektrischen punktes der zellbestandteile in wachsenden zellen und geweben. I. Untersuchungen an pilzmyzelien. Protoplasma 41:382-414. Ref. 1952. 442.8 P94

50855 SHAH, G. L. Chromosome number in four Umbellifers. Cur. Sci. 22:50-51. Feb.1953. 475 Sci23

50856 SHARMA, A. K. Desoxyribonucleic acid—the problem of its function, location and reactions. Portugaliae Acta Biol. Sér. A 3:289-317. Ref. 1952. 442.8 P83

50857 SINGH, B. Studies on the structure and development of seeds of the Cucurbitaceae. I. Seeds of Echinocystis wrightii Cogn. Phytomorphology 2:201-209. Dec. 1952. 450 P566

50858 SKEPPSTEDT, A. An investigation of the Dryopteris linnaeana mycorrhiza with special reference to the vesicle problem. Svensk Bot. Tidskr. 46:454-483. Ref. 1952. 450 Sv2

50859 SMITHSON, E. Development of winged cork in Acer campestre L. Leeds Philos. & Lit. Soc. Sci. Sect. Proc. 6:97-103. Dec.1952. 501 L51

50860 SOUÈGES, R. Embryogénie des Zygophyllacées. Développement de l'embryon chez les Zygophyllum fabago L. Acad. des Sci. Compt. Rend. 236:1316-1318. Mar.30,1953. 505 P21

50861 SPASOJEVIĆ, V. La division du cytoplaste et la formation de la membrane plastique chez le maïs. Acad. Serbe des Sci. Cl. des Sci. Math. et Nat. B. Sci. Nat. (n.s.)4:247-249. 1952. 510 B45

50862 STECKI, K., and BOGDAŃSKI, K. Teratologie des fleurs et des bractées chez Caltha palustris L. (In Polish.) Soc. Bot. Polon. Acta 22:207-224. 1953. 451 So16
French summary.

50863 SUNDARARAJ, D. D., LAKSHMAN, G., and RAMAKRISHNAN, V. The phenomenon of leaf-forking in a few dicotyledonous plants. Madras Agr. J. 40:41-42. Feb.1953. 22 M262

50864 SZULCZEWSKI, J. W. The torsion of the stem. (In Polish.) Soc. Bot. Polon. Acta 22:203-205. 1953. 451 So16
English summary.

50865 TAKIZAWA, S. Chromosome studies in the genus Acer L. I. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 6:249-272. Ref. Nov.1952. 451 H68

50866 THATHACHAR, T. Morphological studies in the Euphorbiaceae. I. Acalypha lancelota Willd. Phytomorphology 2:197-201. Ref. Dec.1952. 450 P566

50867 VAKIL, J. R., KHAMBATA, S. R., and BHAT, J. V. Morphological and other studies on two Nocardia species. Indian Acad. Sci. Proc. Sect. B 36:243-248. Dec.1952. 513 In25B

50868 VENKATESWARLU, J. Contributions to the embryology of Combretaceae. I. Poivrea coccinea DC. Phytomorphology 2:231-240. Ref. Dec.1952. 450 P566

50869 WALLACE, A., MUELLER, R. T., and SQUIER, M. G. Variability in orange leaves of the same age and collected from a single tree. Amer. Soc. Hort. Sci. Proc. 60:51-54. Dec.1952. 81 So12

50870 WARDLAW, C. W. A commentary on Turing's diffusion-reaction theory of morphogenesis. New Phytol. 52:40-47. Feb.1953. 450 N42

50871 WARDLAW, C. W. Phylogeny and morphogenesis: contemporary aspects of botanical science. London, Macmillan,1952. 536 p. 463.67 W21

50872 YASAKI, Y., and SINOTÔ, Y. Studies on nuclei and chromosomes by the fluoromicroscopy. I. Cytologia 17:336-344. Ref. Dec.1952. 442.8 C99
Plants and insects studied.

50873 YUASA, A. Studies in the cytology of Pteridophyta. XXXI. Bot. Mag. 65:211-216. Ref. Sept./Oct.1952. 450 B651

50874 ZIEGENSPECK, H. Die wegsamkeit der pigmentschicht der getreidekörner (endoderminschicht) für fluorochrome. Protoplasma 41:425-431. Ref. 1952. 442.8 P94

50875 ZOBRIST, L. Anomalies observées sur différentes variétés de pommes en automne 1952. Phytoma 6(45):8-10. Feb.1953. 464.8 P563

GENETICS

50876 ALLARD, R. W. Inheritance of hypocotyl color in lima beans. Amer. Soc. Hort. Sci. Proc. 60:387-390. Dec.1952. 81 So12

50877 ARGIKAR, G. P. Segregation for cotyledon, colour in Cicer arietinum. L. Poona Agr. Col. Mag. 43: 102-108. Aug.1952. 22 P79

50878 BEVAN, E. A. Genetic analysis of intact incomplete asci of yeast. Nature [London] 171:576-577. Mar.28,1953. 472 N21

50879 BORNHOLMS LANDØKONOMISKE FORENING. PLANTEAVLSUDVALGET. Beretning om arbejdet for planteavlen pa Bornholm, 1952, Bornholms Landøkonomiske Forening [Report on the plant breeding work at Bornholm, 1952 by Bornholm's Agricultural Economic Association]. Ronne,1952. 32 p. 11 B64

50880 CHENG, C. F. Genetical expression of the OMM-type hybrid obtained from the POJ 2725 x Miscanthus japonicus cross. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:1-16. Dec.1952. 65.9 F76R
English summary.

50881 CHIBA, S., and WATANABE, M. Tetraploids of Larix kaempferi in the nurseries. Rin-Go-Shiken-Hokoku 57:187-202. Ref. Dec.1952. 99.8 R47

50882 DRAIN, B. D. Some inheritance data with black raspberries. Amer. Soc. Hort. Sci. Proc. 60:231-234. Dec.1952. 81 So12

50883 FRANKEL, O. H. Hereditary effects of some physical and chemical agents applied in medicine and agriculture. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:242-245. Ref. 1951,pub.1952. 90.09 R81R
Includes plants and insects.

50884 FRITSCH, E. Der eingriff in die lebende pflanzenzelle. Wiss. Müllerei 3:17-24. In Müllerei 6(11). Mar.14,1953. 298.8 M91
Genetics.

50885 50 JAHRE bayerische pflanzenzüchtung; zum 50 jährigen jubiläum der Bayerischen Landessaatzuchtanstalt Weihenstephan, 1902-1952. Landwirt. Jahrb. f. Bayern 30(spec.no.),259 p. Jan.1953. 18 L24

50886 GUSTAFSSON, Å. New ways of breeding plants. (In Swedish.) Svensk Jordbrforsk. 1953:39-44. 11 J763

50887 GUTIERREZ GUTIERREZ, M. Factors affecting randomness of mating in isolated polycross plantings of maize. (Abs.) Iowa State Col. J. Sci. 27:183-184. Jan.1953. 470 Io9

50888 HARTE, C. Untersuchungen über die nachkommenschaft von heterozygoten der graminifolia-koppelungsgruppe von Antirrhinum majus. Z. f. Induktive Abstam.- u. Vererbungslehre 84:480-507. Ref. 1953. 442.8 Z34

50889 HAUSTEIN, E. Die endenbezifferung der chromosomen einiger Oenotheren aus dem subgenus Raimannia. Z. f. Induktive Abstam.- u. Vererbungslehre 84:417-453. Ref. 1953. 442.8 Z34

50890 HOFMEYR, J. D. J. Sex reversal as a means of solving breeding problems of Carica papaya, L. So. African J. Sci. 49:228-232. Feb.1953. 515 So84

50891 HUTCHINS, A. E., and YOUNGNER, V. B. Maternal inheritance of a color variation (chimaera) in the squash, Cucurbita maxima Duch. Amer. Soc. Hort. Sci. Proc. 60:370-378. Dec.1952. 81 So12

50892 JENKINS, J. A., and MACKINNEY, G. Inheritance of carotenoid differences in the tomato hybrid yellow x tangerine. Genetics 38:107-116. Ref. Mar.1953. 442.8 G28

50893 KOPF, K. Inheritance and interrelationships of some maize ear characters. (Abs.) Iowa State Col. J. Sci. 27:203-204. Jan.1953. 470 Io9

50894 KOSIKOV, K. V. Hybridization and selection of yeasts. (In Russian.) In Vsesoîuznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliîa i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.50-63. Ref. Moskva, 1952. 390.1 V96

50895 KRAHL-URBAN, J. Hinweise auf individuelle erbanlagen bei eichen und buchen. Z. f. Forstgenet. u. Forstpflanzenzücht. 2:51-59. Ref. 1953. 99.8 Z36
English summary.

50896 KURABAYASHI, M. Differential reactivity of chromosomes in Trillium. Ho...kaido U. Facul. Sci. J. Ser. V. Bot. 6:233-247. Ref. Nov.1952. 451 H68

50897 KURODA, M. On the inheritance of polyphllous tobacco. (In Japanese.) Hatano Tobacco Expt. Sta. B. 36: 23-41. Ref. Mar.1952. 69.9 J27
English summary.

50898 LANGNER, W. Eine Mendelspaltung bei aureaformen von Picea abies (L.) Karst. als mittel zur klärung der befruchtungsverhältnisse im walde. Z. f. Forstgenet. u. Forstpflanzenzücht. 2:49-51. Ref. 1953. 99.8 Z36
English summary.

50899 LARICHEVA, M. D. Relation of [wheat] hybrid productivity to the growing conditions of the parent varieties. (In Russian.) Selek. i Semen. 20:10-21. Jan.1953. 61.9 Se5

50900 LEFFEL, R. C. Fertility, parent-progeny, and progeny test comparisons of selected clones of orchardgrass, Dactylis glomerata L. (Abs.) Iowa State Col. J. Sci. 27:209-210. Jan.1953. 470 Io9

50901 LESINS, K. Some data on the cytogenetics of alfalfa. J. Hered. 43:287-291. Ref. Nov./Dec.1952. 442.8 Am3

50902 LESLEY, J. W., and LESLEY, M. M. A cytogenetic study of a pleiotropic mutant of the tomato, (Lycopersicon esculentum L.). J. Hered. 43:273-276. Nov./Dec.1952. 442.8 Am3

50903 MARKS, G. E. Genetical studies in pears. VI. J. Hort. Sci. 28:141-144. Apr.1953. 80 J825

50904 MENEZES, O. B. DE. Artificial pollination. (In Portuguese.) Lav. e Criação 7(45):24. Dec.1952. 49 L392

50905 NAKAJIMA, G. Cytogenetical studies of triple hybrid from F_1 Triticum turgidum x Secale cereale and Triticum vulgare. III. Characteristics of F_1 and F_2 plants and the number of somatic chromosomes. (In Japanese.) Jap. J. Genet. 27:93-99. Aug.1952. 442.9 J27
English summary.

50906 NISHIMURA, Y., and KURAKAMI, H. Mutations in rice induced by X-rays. (In Japanese.) Jap. J. Breeding 2:65-71. Dec.1952. 64.8 J27
English summary.

50907 NYGREN, A. New ways of breeding bluegrass. (In Swedish.) Svensk Jordbrforsk. 1953:50-56. 11 J763

50908 OBERLE, G. D., and MOORE, R. C. Transmission of the autumn-fruiting character in crosses of red and black raspberries. Amer. Soc. Hort. Sci. Proc. 60:235-237. Dec.1952. 81 So12

50909 POMPER, S. The isolation of triploid yeast. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:42-43. 1952. 448.39 So12A

50910 POMPER, S., and MCKEE, D. W. Mutation of mating type in Saccharomyces cerevisiae. Science 117: 455-456. Apr.24,1953. 470 Sci2

50911 PONTECORVO, G., ROPER, J. A., and FORBES, E. Genetic recombination without sexual reproduction in Aspergillus niger. J. Gen. Microbiol. 8: 198-210. Ref. Feb.1953. 448.3 J823

50912 PUSHKARNATH. Studies on sterility in potato. IV. Genetics of incompatibility in Solanum aracc-papa. Euphytica 2:49-58. Feb.1953. 450 Eu6

50913 RAGHAVAN, T. S. Cyto-genetics of sugarcane. Indian J. Agr. Sci. 22:93-102. Mar.1952. 22 Ag83I

50914 ROMAN, H., and SANDS, S. M. Heterogeneity of clones of Saccharomyces derived from haploid ascospores. Natl. Acad. Sci. Proc. 39:171-179. Ref. Mar. 1953. 500 N21P

50915 SAMVIRKENDE JYDSKE HUSMANDSFORENINGER. PLANTEAVLSUDVALGET. Beretning om planteavlsarbejdet i De Samv. Jydske Husmandsforeninger 1952 [Report on the plant breeding work of the National Federation of Smallholders in Jutland], 1952. Aarhus, 1953. 178 p. 451 Sa4

50916 SCHILLER, O. Begegnung mit bekannten russischen pflanzenzüchtern. Übersicht 4:250-254. Mar. 1953. 18 Ub3

50917 SCHWARTZ, D. The behavior of an X-ray-induced ring chromosome in maize. Amer. Nat. 87:19-28. Jan./Feb.1953. 470 Am36

50918 SCHWEMMLE, J. Prädetermination des keimverlaufes bei Oenothera berteriana. Z. f. Induktive Abstam.- u. Vererbungslehre 84:568-574. 1953. 442.8 Z34

50919 SHESTAKOV, V. E. Inter-varietal hybrids of winter wheat from free cross pollination. (In Russian.) Selek. i Semen. 19(12):7-12. Dec.1952. 61.9 Se5

50920 SKINNER, J. C. Genetical variation in excised root cultures of a spinach relative (Senecio vulgaris L.). J. Hered. 43:299-302. Nov./Dec.1952. 442.8 Am3

50921 SMITH, G. S. "Planned parentage" in the greenhouse; plant breeders combine desirable characteristics. N. Dak. Agr. Expt. Sta. Bimon. B. 15:167-169. Mar./Apr.1953. 100 N813B

50922 SUTÔ, T. Analysis of polymeric genes controlling a new form of dotted leaves in maize. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 6:151-177. Ref. Nov.1952. 451 H68

50923 SUTÔ, T. Genetic analysis of a mosaic pericarp in maize, with special reference to the genic change of the color pattern induced by the possible unequal crossing-over in a small region containing the P-locus and its neighbors of chromosome. 1. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 6:67-150. Ref. Nov.1952. 451 H68

50924 SUTÔ, T., KATÔ, Y., and MUKAIGAWA, N. A genic survey of heritable characters in maize. I. Some new mutants. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 6: 178-198. Ref. Nov.1952. 451 H68

50925 TOMES, M. L., and others. The inheritance of carotenoid pigment systems in the tomato. Genetics 38: 117-127. Ref. Mar.1953. 442.8 G28
F. W. Quackenbush, O. E. Nelson, and B. North, joint authors.

50926 TULPULE, S. H. A study of pleiotropic genes in Zea mays L. Mich. U. Diss. Abs. 13:10-11. Feb.1953. 241.8 M58

50927 TURBIN, N. V. Multiple fertilization in plants. (In Russian.) Priroda 42(2):101-104. Feb.1953. 410 P933

50928 VARONA, J. La genética agricola. Ceres [Valladolid] 17(198):9,11,13. Dec.1,1952. 15 C33
Chiefly plants.

50929 WEIJER, J. A catalogue of genetic maize types together with a maize bibliography. Bibliog. Genet. 14:189-425. 1952. 442 B47

PHYSIOLOGY

50930 ÅBERG, E., KNUTSSON, G., and ROLAND, M. The effect of trichloroacetic acid on weeds and cultivated plants. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:11-24. Ref. 1952. 64.9 Up6
English summary.
Sweden.

50931 AMATO, F. D'. Further investigations on the mutagenic activity of acridines. XXXIII-LI. Caryologia 4:388-413. Ref. 1951/52. 442.8 C25
Onion used for the study.

50932 ANNE, P., and DUPUIS, M. Toxicité du cuivre à l'égard de quelques plantes cultivées. Acad. d'Agr. de France. Compt. Rend. 39:58-61. Jan.14/21, 1953. 14 P215Bc
Includes discussion.

50933 ARNEY, S. E. Studies in growth and development in the genus Fragaria. J. Hort. Sci. 28:73-84. Ref. Apr.1953. 80 J825

50934 ASKEW, H. O. Boron deficiency in the Nelson District. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7: 233. 1951,pub.1952. 90.09 R81R
Plant nutrition deficiencies.

50935 BAGNOULS, F., and GAUSSEN, H. Période de sécheresse et végétation. Acad. des Sci. Compt. Rend. 236:1075-1077. Mar.9,1953. 505 P21

50936 BARTON, L. V. Seed storage and viability. Boyce Thompson Inst. Contrib. 17:87-103. Ref. Jan./Mar.1953. 451 B69

50937 BATJER, L. P., and ROGERS, B. L. Fertilizer applications as related to nitrogen, phosphorus, potassium, calcium, and magnesium utilization by apple trees. Amer. Soc. Hort. Sci. Proc. 60:1-6. Dec.1952. 81 So12
Chemical composition resulting from various fertilizer treatments.

50938 BECK, H. Über die wirkung verschiedener neuer kontaktinsektizide auf das wachstum der kressewurzel. Z. f. Pflanzenbau u. Pflanzenschutz 3:222-238. Ref. 1952. 464.8 P88

50939 BELL, H. P., and BAILLY, J. M. Determinate growth in the blueberry. (Abs.) Nova Scotian Inst. Sci. Proc. 23:108. 1950/51,pub.Mar.1953. 517 H13

50940 BEREZENKO, G. Z. Ways of increasing salt resistance of grape vines. (In Russian.) Vinodel. i Vinograd. SSSR. 13(2):12-14. Feb.1953. 95.8 V77

50941 BERTRAND, G., and SILBERSTEIN, L. Influence favorable de la richesse en eau du milieu vital sur la teneur des plantes phanérogames en manganèse. Acad. des Sci. Compt. Rend. 236:1113-1115. Mar.16, 1953. 505 P21

50942 BESSET, J. Sur la possibilité d'utiliser l'hypocotyle de radis comme test de substances de division. Acad. des Sci. Compt. Rend. 236:1068-1070. Mar.9,1953. 505 P21

50943 BIDAULT, L. La chaux élément essentiel dans le développement de la "toile." Cactus [Paris] Sup. 26: 4-5. Mar.15,1953. 450 C144S
A physiological disease.

50944 BIEBL, R. Resistenz der meeresalgen gegen sichtbares licht und gegen kurzwellige UV-strahlen. Protoplasma 41:353-377. Ref. 1952. 442.8 P94

50945 BISHOP, C. J., WOODWORTH, A. D., and MCGOWAN, L. J. Differential sensititivy of the mitotic prophase in Tradescantia to X-radiation. (Abs.) Nova Scotian Inst. Sci. Proc. 23:112-113. 1950/51,pub.Mar. 1953. 517 H13

50946 BLACKMAN, G. E., and ROBERTSON-CUNINGHAME, R. C. The influence of pH on the phytotoxicity of 2,4-dichlorophenoxyacetic acid to Lemna minor. New Phytol. 52:71-75. Ref. Feb.1953. 450 N42

50947 BOAS, F. Aus anorganischem wird organisches. In Saller, K., ed. Gesundes land, gesundes leben, p.72-81. Munchen,Pflaum,1953. 33.27 Sa3
Plant physiology.

50948 BOLLARD, E. G. Nitrogen metabolism of apple trees. Nature [London] 171:571-572. Mar.28,1953. 472 N21

50949 BOLSUNOV, I. Der einfluss von witterungsfaktoren auf den nikotingehalt der tabakblätter in Osterreich. Osterr. Chem.-Ztg. 54:76-78. Mar.1953. 384 Os7

50950 BONNIER, C., HELY, F. H., and MANIL, P. Essai d'adaptation à Soja hispida de souches de Rhizobium non spécifiques. Influence de greffes sur la spécificité d'hôte du genre Rhizobium. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:137-140. 1952. 105.1 G285
English summary.

50951 BOYNTON, D. Anticipating major and minor element troubles in fruit orchards of the Hudson Valley and northern New York. N. Y. State Hort. Soc. Proc. 98: 239-248. 1953. 81 N484
Includes discussion.

50952 BRAMBLE, W. C., and BYRNES, W. R. Effect of time of shearing upon adventitious bud formation and shoot growth of red pine [Pinus resinosa] grown for Christmas trees. Pa. Agr. Expt. Sta. Prog. Rpt. 91,6 p. Jan.1953. 100 P381P

50953 BREIDER, H. Röntgenstrahlen im weinbau. Umschau 52:715-717. Dec.1,1952. 474 Um7

50954 BROUWER, R. Water absorption by the roots of Vicia faba at various transpiration strengths. I. Nederland. Akad. van Wetensch. Proc. Ser. C. Biol. & Med. Sci. 56:106-115. Jan./Feb.1953. 442.9 Am8

50955 BULGAKOVA, Z. P. Biology of the dormancy period in seeds of some tree species. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(6):77-81. Ref. 1952. 511 M85

50956 BULLOCK, R. M., BENSON, N. R., and TSAI, B. K. W. Absorption of urea sprays on peach trees. Amer. Soc. Hort. Sci. Proc. 60:71-74. Dec.1952. 81 So12

50957 BURNETT, J. H. Oxygen consumption during sexual reproduction of some Mucoraceae. New Phytol. 52:58-64. Ref. Feb.1953. 450 N42

50958 BURNETT, J. H. Oxygen consumption of mixtures of heterothallic and homothallic species in relation to 'imperfect hybridization' in the Mucoraceae. New Phytol. 52:86-88. Feb.1953. 450 N42

50959 BURRELL, A. B., and BOYNTON, D. Some conclusions from recent experiments on boron deficiency of apple. N. Y. State Hort. Soc. Proc. 98:248-251. 1953. 81 N484

50960 BURTON, M. O., and LOCHHEAD, A. G. Nutritional requirements of Arthrobacter terregens. Canad. J. Bot. 31:145-151. Mar.1953. 470 C16C

50961 BUSHNELL, J. Sensitivity of potatoes to soil porosity. Ohio. Agr. Expt. Sta. Res. B. 726,42 p. Ref. Mar.1953. 100 Oh3S

50962 BUSTON, H. W., JABBAR, A., and ETHERIDGE, D. E. The influence of hexose phosphates, calcium and jute extract on the formation of perithecia by Chaetomium globosum. J. Gen. Microbiol. 8:302-306. Ref. Apr.1953. 448.3 J823

50963 BUZACOTT, J. H. The burning question. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:122-123. Jan.1,1953. 65.9 Q3C
Lodging.

50964 CALVIN, M. The path of carbon in photosynthesis. Chem. & Engin. News 31:1622-1625. Apr.20, 1953. 381 J825N

50965 CAMERON, J. W., and SOOST, R. K. Size, yield, and fruit characters of orchard trees of citrus propagated from young nucellar-seedling lines and parental old lines. Amer. Soc. Hort. Sci. Proc. 60:255-264. Dec.1952. 81 So12

50966 CAMERON, S. H., and others. Influence of age of leaf, season of growth, and fruit production on the size and inorganic composition of Valencia orange leaves. Amer. Soc. Hort. Sci. Proc. 60:42-50. Ref. Dec.1952. 81 So12
R. T. Mueller, A. Wallace, and E. Sartori, joint authors.

50967 CHATTOPADHYAY, H., and BANERJEE, S. Studies on the ascorbic-acid oxidase activity of some common Indian pulses during germination. Indian J. Med. Res. 40:439-442. July 1952. 448.8 In22

50968 CICCARONE, A. Irrigation damage to tomatoes. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:159-162. 1951,pub.1953. 464.9 R662
English summary.

50969 CLAYTON, A. E., and MCMURTREY, J. E. Malnutritional diseases. Rhodesian Tobacco Grower 1 (10):9-10. Feb.1953. 69.8 R342

50970 CONGER, A. D. The effect of boron enrichment on slow neutron-irradiated tissues. Genetics 38: 128-133. Mar.1953. 442.8 G28
Tradescantia paludosa used in the experiment.

50971 COURANJOU, A. De l'abus des traitements contre la mouche de l'orange. Fruits et Primeurs de l'Afrique du Nord 23(243):22-23. Jan.1953. 80 F9482

50972 CRAFTS, A. S. Herbicides; their absorption and translocation. J. Agr. & Food Chem. 1:51-55. Apr.1, 1953. 381 J8223

50973 CROSS, C. E. Cranberry flowers and the set of fruit. (Sum.) Cranberries 17(12):7-9. Apr.1953. 80 C852

50974 CZAPLIŃSKA, S. Untersuchungen über die entwicklung der Helianthus-mykorhizen. (In Polish.) Soc. Bot. Polon. Acta 22:127-132. 1953. 451 So16
German summary.

50975 DASTUR, R. H., SINGH, K., and KAIWAR, S. R. Investigations on the red leaf disease in American cottons. II. Red leaf disease in American cottons in Malwa and Bombay-Karnatak. Indian Cotton Growing Rev. 6:193-204. Oct.1952. 72.8 In23

50976 DAVIDSON, J. H. Suggestions for the use of TCPPA. Mich. State Hort. Soc. Proc. 82:68-71. 1952, pub.1953. 81 M58
For preharvest fruit drop and color improvement.

50977 DENFFER, D. VON. Wuchsstoffinduzierte hemmung der blütenbildung durch gallmilben und gallinsekten. Umschau 52:400-402. July 1,1952. 474 Um7

50978 DILANÎAN, A. M., and TER-MARKOSÎAN, S. KH. Spectral analysis of various cultures of Saccharomyces ellipsoideus. II. (In Russian.) In Vsesoîuznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliîa i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.119-124. Ref. Moskva,1952. 390.1 V96

50979 DORAN, W. L. Effects of treating cuttings of woody plants with both a root-inducing substance [indolebutyric acid] and a fungicide [Phygon XL]. Amer. Soc. Hort. Sci. Proc. 60:487-491. Dec.1952. 81 So12

50980 DOWD, A. F. Color-set—growers' experience and how should we use it in 1952. Mich. State Hort. Soc. Proc. 82:71-72. 1952,pub.1953. 81 M58

50981 DUNHAM, R. S. Effects of herbicides on flax. No. Cent. Weed Control Conf. Proc. 9:4-5. 1952. 79.9 N81

50982 DUPÉRON, R. Influence de la vernalisation sur le métabolisme. Rev. Gén. de Bot. 60:90-122. (Concl.) Ref. Feb.1953. 450 R326

50983 EDGERTON, L. J., and HOFFMAN, M. B. The effect of thinning peaches with bloom and post-bloom sprays on the cold hardiness of the fruit buds. Amer. Soc. Hort. Sci. Proc. 60:155-159. Dec.1952. 81 So12
Sodium salt of naphthaleneacetic acid used in tests.

50984 EGGERT, R., KARDOS, L. T., and SMITH, R. D. The relative absorption of phosphorus by apple trees and fruits from foliar sprays, and from soil applications of fertilizer, using radioactive phosphorus as a tracer. Amer. Soc. Hort. Sci. Proc. 60:75-86. Dec.1952. 81 So12

50985 EGNÉR, H. Plant nutrients in the air. (In Swedish.) Svensk Jordbrforsk. 1953:30-38. 11 J763

50986 EJSING, G. Boron deficiency and molybdenum deficiency of cauliflowers and their relation to soil reaction. (In Danish.) Gart.-Tid. 69:93-94. Feb.23,1953. 80 G192

50987 EMBLETON, T. W., KIRKPATRICK, J. D., and PARKER, E. R. Visible response of phosphorus-deficient orange trees to phosphatic fertilizers, and seasonal changes in mineral constituents of leaves. Amer. Soc. Hort. Sci. Proc. 60:55-64. Ref. Dec.1952. 81 So12

50988 ERICKSON, L. C., BRANNAMAN, B. L., and HIELD, H. Z. Response of Delicious and Rome Beauty apples to a preharvest spray of 2,4,5-trichlorophenoxypropionic acid in southern California. Amer. Soc. Hort. Sci. Proc. 60:160-164. Dec.1952. 81 So12

50989 EVENARI, M., and STEIN, G. The influence of light upon germination. Experientia 9:94-95. Ref. Mar. 15,1953. 475 Ex7

50990 EYSTER, H. C., and BROWN, T. E. Effects of certain inorganic ions on corn leaf catalase. Ohio J. Sci. 53:101-104. Ref. Mar.1953. 410 Oh3

50991 FRASER, L. R. Chlorotic phyllody of strawberry. Austral. Plant Dis. Recorder 5:7. Jan.1953. 464.8 Au7

50992 FRASER, L. R. Winter yellowing of citrus. Austral. Plant Dis. Recorder 5:4. Jan.1953. 464.8 Au7
Weather injury.

50993 FREED, V. H. Herbicide mechanism; mode of action other than aryl oxyalkyl acids. J. Agr. & Food Chem. 1:47-51. Ref. Apr.1,1953. 381 J8223

50994 FROST, H. B. Characteristics in the nursery of citrus budlings of young nucellar-seedling lines and parental old lines. Amer. Soc. Hort. Sci. Proc. 60:247-254. Ref. Dec.1952. 81 So12

50995 GARDNER, F. T. Growth without multiplication of X-irradiated yeast cells. Mich. U. Diss. Abs. 13: 5-6. Feb.1953. 241.8 M58

50996 GELIN, O., and MATTSSON, H. Continued experiments with light. (In Swedish.) Weibulls Allehanda 13:4-5. 1953. 80 W42

50997 GEORLETTE, R. Les substances freinantes chez les végétaux. Ann. de Gembloux 59:30-32. Ref. First Q.1953. 13 G28

50998 GERTRUDE, M. T., and BOULOUX, M. Action du milieu aquatique sur la formation des constituants de la membrane chez une plante amphibie. Rev. Gén. de Bot. 60:81-89. Feb.1953. 450 R326

50999 GIGANTE, R. Suberosis in fruits and leaves of the apricot. (In Italian.) Sta. di Patol. Veg. B. (ser.3) 9:111-118. 1951,pub.1953. 464.9 R662
English summary.

51000 GIRBARDT, M. Zur frage der fertilität bei Neurospora crassa und Neurospora tetrasperma in abhängigkeit von aussenfaktoren. Flora [Jena] 139:477-525. Ref. Dec.30,1952. 450 F66

51001 GISIGER, L. Kalimangel verursacht auswintern des getreides. Schweiz. Bauer 107(30):5. Mar.13,1953. 17 Sch95

51002 GÓRSKI, F. Contribution to the theory of limiting factors. Soc. Bot. Polon. Acta 22:1-31. Ref. 1953. 451 So16
In plant physiology.

51003 GRIGOR'EVA, V. G. Activity of plant roots in cold soils. (In Russian.) Priroda 42:101-104. Jan.1953. 410 P933

51004 GUMIŃSKI, S., and GUMIŃSKA, Z. Recherches ultérieures sur le mécanisme de l'activité de l'humus sur l'organisme végétale. (In Polish.) Soc. Bot. Polon. Acta 22:45-63. Ref. 1953. 451 So16
French summary.

51005 GUPTA, J. C. S., and SEN, G. Further investigations on the photoperiodic effect in jute. Indian J. Agr. Sci. 22:1-32. Ref. Mar.1952. 22 Ag83I

51006 GUSTAFSON, F. G. Influence of photoperiod on thiamine, riboflavin and niacin content of green plants. Amer. J. Bot. 40:256-259. Ref. Apr.1953. 450 Am36

51007 HAGERUP, E., and HAGERUP, O. Thrips pollination of Erica tetralix. New Phytol. 52:1-7. Feb. 1953. 450 N42

51008 HAGIYA, K. Physiological studies on the occurrence of the "pithy tissue" in root crops. 2. On the varietal difference of the characters concerned with the occurrence of pithy tissue in radish. (In Japanese.) Hort. Assoc. Japan. J. 21:165-173. Ref. Dec.1952. 87 H78
English summary.

51009 HARA, S. On the influence of meteorological conditions on the forms of vegetative growth of rice and barley. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:114-116. Nov.1952. 340.9 So1

51010 HARDER, R. Gibt es ein "blühhormon?" Umschau 52:653-655. Nov.1,1952. 474 Um7

51011 HARLEY, J. L., and MCCREADY, C. C. A note on the effect of sodium azide upon the respiration of beech [Fagus sylvatica] mycorrhizas. New Phytol. 52: 83-85. Feb.1953. 450 N42

51012 HARRIS, C. S. Effects of certain insecticides and related chemicals on photosynthesis in cucumbers and beans. Amer. Soc. Hort. Sci. Proc. 60:335-340. Ref. Dec.1952. 81 So12

51013 HAUSER, E. W., and YOUNG, D. W. Penetration and translocation of 2,4-D compounds. No. Cent. Weed Control Conf. Proc. 9:27-31. 1952. 79.9 N81

51014 HENDRICKS, S. B. A discussion of photosynthesis. Science 117:370-373. Apr.10,1953. 470 Sci2

51015 HERMANSEN, J. E. Effects on the seed quality of spraying of red clover, white clover and alfalfa with 4K-2M at different times. (In Danish.) Dansk Frøavl 36: 98. Apr.1,1953. 61.8 D23

51016 HESSE, R. Zur wirkung der ultraschall-behandlung von samen auf die keimung und das nachfolgende wachstum von pflanzen. Flora [Jena] 139:565-585. Ref. Dec.30,1952. 450 F66

51017 HIESEY, W. M. Growth and development of species and hybrids of Poa under controlled temperatures. Amer. J. Bot. 40:205-221. Apr.1953. 450 Am36

51018 HINKE, A. Can fruit be protected against damage by weather through spraying? (In Danish.) Gart.-Tid. 69:165. Apr.13,1953. 80 G192

51019 HOFFMAN, J. C., and KANAPAUX, M. S. Relation of crude fiber and dry matter contents to appearance and water loss of snap beans. Amer. Soc. Hort. Sci. Proc. 60:363-366. Dec.1952. 81 So12

51020 HOFFMANN, O. L. Some effects of plant growth regulants. (Abs.) Iowa State Col. J. Sci. 27:188. Jan.1953. 470 Io9

51021 HOFFMANN, U. Blütenbiologische untersuchungen an verschiedenen Lathyrusarten. Angew. Bot. 26:239-255. Ref. Dec.1952. 450 An4

51022 HOFMANN, E., and SCHMELING, B. VON. Zur frage der wirkung von 2,4-dichlorphenoxyessigsäure auf den stoffwechsel der pflanzen. Z. f. Pflanzenbau u. Pflanzenschutz 3:264-271. Ref. 1952. 464.8 P88

51023 IINO, T. Reversional mutations in the methionine-requiring strain of Ustilago maydis. Jap. J. Genet. 27:79-84. Ref. Aug.1952. 442.9 J27
Effect of X-ray irradiation and nitrogen mustard.

51024 IWAMURA, T. Electric impedance of the plasmodium of a slime mold, Physarum polycephalum. Cytologia 17:323-328. Dec.1952. 442.8 C99

51025 JACKSON, J. M. Physiology of leaf abscission. Ark. Acad. Sci. Proc. 5:73-76. 1952. 500 Ar42

51026 JENNY, J. Essais de mesure de la température des bourgeons de pommiers et de poiriers en hiver. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:26-27. Mar.1953. 17 J82A

51027 JOHNSON, P. E. Balanced nutrition improves winter wheat root survival. Better Crops Plant Food 37 (3):6-10,49-50. Mar.1953. 6 B46

51028 JONAS, H. R-F irradiation of seeds. Electronics 26(4):161-163. Ref. Apr.1953. 335.8 EL28
Germination tests.

51029 JONES, C. W., and others. Effect of fertilizers on the yield and composition of ranger alfalfa hay. J. Agr. & Food Chem. 1:167-169. Apr.15,1953. 381 J8223
D. W. Pittman, R. Weiman, M. Habib, O. Asplund, M. C. Cannon, and D. A. Greenwood, joint authors.

51030 JONES, E. W. The flora of tree boles, with special reference to the effect of smoke. Oxford U. Forest Soc. J. (ser.4)1:1-7. 1953. 99.9 Ox2
Effect of industrial fumes on lichens.

51031 JONES, W. W., and others. Effect of sodium in fertilizer and in irrigation water on concentration in leaf and root tissues of citrus trees. Amer. Soc. Hort. Sci. Proc. 60:65-70. Ref. Dec.1952. 81 So12
H. E. Pearson, E. R. Parker, and M. R. Huberty, joint authors.

51032 KELLER, H. G. Untersuchungen über das wachstum von Cenococcum graniforme (Sow.) Ferd. et Winge auf verschiedenen kohlenstoffquellen. Ein beitrag zur kenntnis der physiologie der mykorrhizabildenden pilze. Zürich,Juris-Verlag,1952. 123 p. 462.8 K284
Promotionsarbeit - Eidgnössische Technische Hochschule, Zürich.

51033 KENWORTHY, A. L., and MITCHELL, A. E. Soluble solids in Montmorency cherries at harvest as influenced by soil management practices. Amer. Soc. Hort. Sci. Proc. 60:91-96. Dec.1952. 81 So12

51034 KETTANI, H. Elements essential to plant life. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:85-91. Jan./Mar.1953. 22.5 Ir1

51035 KHAYYAT, J. Soiless agriculture. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:5-15. Jan./Mar.1953. 22.5 Ir1

51036 KNOBLOCH, I. W. A comparison of fertility in panicles of Bromus inermis Leyss in Michigan. Phytomorphology 2:243-245. Dec.1952. 450 P566

51037 KNUDSON, L. Viability of orchid seed. Amer. Orchid Soc. B. 22:260-261. Apr.1953. 80 Am329

51038 KONOVALOV, I. N. Changes in the vital functions of plants in connection with their removal to new regions. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 6. Introd. Rast. i Zelenoe Stroitel'stvo 2:344-361. Ref. 1952. 451 Ak15

51039 KOSUGI, K. Effects of soil moisture and low temperature upon the flower bud differentiation in the Dendrobium nobile. (In Japanese.) Hort. Assoc. Japan. J. 21:179-182. Ref. Dec.1952. 87 H78
English summary.

51040 KRAUS, G. Sicherung der tomatenernte auf chemischem wege. Höbere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:74-83. Mar.1953. 105.9 K696
English summary.
Use of growth substances.

51041 KRESS. Jarowisation erfolgreich angewendet. Deut. Bauern Kal. 1953:56-57. 18 D4826

51042 KRESS, H. Erfolgreiche jarowisation bei sommergetreide und süsslupinen. I-II. Deut. Landwirt. 4:14-20,76-81. Jan.-Feb.1953. 18 D4822
Russian Zone.

51043 KRIŠTOF, S., and MARKOVIĆ, N. Effects of copper and brown coal on the contents of nicotine and citric acid on Nicotiana rustica L. "kapa." (In Serbo-Croatian.) Zeml. i Biljka 1:135-149. Ref. May/Aug. 1952. 56.8 Z42
English summary.

51044 KRSTIĆ, M. Détermination de la vitalité des embryons de Pinus nigra Arn. sur le milieu à la gélatine tanisée. Acad. Serbe des Sci. Cl. des Sci. Math. et Nat. B. Sci. Nat. (n.s.)4:227-228. 1952. 510 B45

51045 KRSTIĆ, M., and STANKEVIĆ, P. Influence de la peptone et du lévulose sur la croissance du mycélium de Merulius porinoides et sur la formation de l'acide oxalique. Acad. Serbe des Sci. Cl. des Sci. Math. et Nat. B. Sci. Nat. (n.s.)4:223-226. 1952. 510 B45

51046 KURABAYASHI, M. Effects of chemicals upon the configuration of spiral structure in chromosomes. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 6:210-232. Ref. Nov.1952. 451 H68
Tests with Trillium kamtschaticum.

51047 LANGRIDGE, J. Chemical mitogenesis and its significance. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:254-255. 1951,pub.1952. 90.09 R81R
In plants.

51048 LEARNER, E. N., and WITTWER, S. H. Comparative effects of low temperature exposure, limited soil moisture, and certain chemical growth regulators as hardening agents for greenhouse grown tomatoes. Amer. Soc. Hort. Sci. Proc. 60:315-320. Ref. Dec.1952. 81 So12

51049 LECRENIER, A. La fertilité des arbres fruitiers. Fruit Belge 21:61-64. Apr.1953. 80 F9493

51050 LECRENIER, A. La fertilité des arbres fruitiers. Fruit Belge 20:177-181; 21:31-32. Dec.1952, Feb.1953. 80 F9493

51051 LEHMANN, E. Warum goldbüsche [Forsythia] ohne früchte? Orion 8:233-236. Mar.1953. 474 Or4

51052 L'ESTRANGE, J. A. Work of plant food detective. Veldtrust 14:16-17,19. Jan.1953. 56.8 V54
Investigations by Dr. Roach on trace element deficiencies.

51053 LINSKENS, H. F. Über den trocknungsprozes: an progressiven keimstadien. Angew. Bot. 26:255-264. Ref. Dec.1952. 450 An4
Experiment with wheat.

51054 LISZOWSKI, A. The influence of periodic changeability of daylight and drought on the development of barley. (In Polish.) Rocz. Nauk Roln. 65:33-45. 1952. 20.5 R59
English summary.

51055 LOOMIS, W. E. Basic sciences. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:177-183. 1951. 79.9 N81R
Effects of herbicides on crops and weeds.
Includes abstracts of cooperators' reports.

51056 LOTT, W. L. Magnesium deficiency in Muscadine grape vines. Amer. Soc. Hort. Sci. Proc. 60:123-131. Dec.1952. 81 So12

51057 LÜDICKE, M. Über das verhalten von radioaktivem O,O-diäthyl-O,p-nitrophenyl-monothiophosphat auf der pflanze. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:451-459. Ref. Nov./Dec.1952. 464.8 Z3
English summary.

51058 LUNDEGÅRDH, H. Controlling effect of salts on the activity of the cytochrome oxidase. Nature [London] 171:477-478. Mar.14,1953. 472 N21
Experiment with wheat roots.

51059 LYMAN, R. Color-set-growers experience and how we should use it. Mich. State Hort. Soc. Proc. 82:59-60. 1952,pub.1953. 81 M58
Apples.

51060 MCELWEE, E. W. The influence of photoperiod on the vegetative and reproductive growth of the common Camellia. Amer. Soc. Hort. Sci. Proc. 60:473-478. Dec.1952. 81 So12

51061 MARIANI, P. The action of fungous excretions on the functioning of root cells. (In Italian.) Caryologia 4:372-387. Ref. 1951/52. 442.8 C25

51062 MARKOVIĆ, L. Influence de la concentration de la levure sur la respiration et la fermentation. Acad. Serbe des Sci. Cl. des Sci. Math. et Nat. B. Sci. Nat. (n.s.)4:231-233. 1952. 510 B45

51063 MARTH, P. C. Effect of growth regulators on the retention of color in green sprouting broccoli. Amer. Soc. Hort. Sci. Proc. 60:367-369. Dec.1952. 81 So12

51064 MATELL, M. α-N-arylaminocarboxylic acids as plant growth-regulators. Acta Chem. Scand. 7:228-229. 1953. 385 Ac82

51065 MEĬSEL', M. N. Optical methods of investigating the structure and functional condition of yeasts. (In Russian.) In Vsesoîûznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliîa i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.105-118. Ref. Moskva,1952. 390.1 V96
Microscopy.

51066 MELIN, E., and NILSSON, H. Transport of labelled nitrogen from an ammonium source to pine seedlings through mycorrhizal mycelium. Svensk Bot. Tidskr. 46:281-285. 1952. 450 Sv2

51067 MENEZES, O. B. DE. Environment and heredity—they are equal in determining plant vigor. (In Portuguese.) Lav. e Criação 7(45):11. Dec.1952. 49 L392

51068 MENEZES, O. B. DE, and HERINGER, E. P. Falling of flowers in Poecilanthe falcata (Vell) Benth. (In Portuguese.) Rev. de Agr. [Piracicaba] 28:13-21. Jan./Feb.1953. 9.2 R324
English summary.

51069 MEYER, F. G. Pin oak [Quercus palustris] yellows. Mo. Bot. Gard. B. 41:46. Mar.1953. 451 M69B

51070 MICHEL, E. Lutte contre le ver jaune, influence du H.C.H. sur le rendement en poids. Rev. Internatl. des Tabacs 28:61,63. Mar.1953. 69.8 R324
Benzene hexachloride.

51071 MIKELL, J. J. The influence of chemical treatments on the growth and flowering of sweet potatoes. Amer. Soc. Hort. Sci. Proc. 60:295-298. Dec.1952. 81 So12

51072 MILES, P. An investigation into the effects of mineral deficiencies on the Easter lily [Lilium longiflorum]. Lily Ybk. 16:79-83. 1953. 96.46 R81

51073 MILLER, L. P., MCCALLAN, S. E. A., and WEED, R. M. Quantitative studies on the role of hydrogen sulfide formation in the toxic action of sulfur to fungus spores. Boyce Thompson Inst. Contrib. 17:151-171. Ref. Jan./Mar.1953. 451 B69

51074 MILLER, L. P., MCCALLAN, S. E. A., and WEED, R. M. Rate of uptake and toxic dose on a spore weight basis of various fungicides. Boyce Thompson Inst. Contrib. 17:173-195. Ref. Jan./Mar.1953. 451 B69

51075 MOL, W. E. DE. Colchicine tests with Gladiolus. (In Dutch.) Biol. Jaarb. 19:80-96. 1952. 410 B52
English summary.

51076 MOL, W. E. DE. The influence of colchicine on Gladiolus bulbs. (In Dutch.) Biol. Jaarb. 19:97-122. 1952. 410 B52
English summary.

51077 MÓLE-BAJER, J. Influence of hydration and dehydration on mitosis. II. Soc. Bot. Polon. Acta 22:33-44. Ref. 1953. 451 So16

51078 MONCHOT, E. Fumées industrielles et végétation. Agriculture [Paris] 17:59-64. Feb.1953. 14 Ag823

51079 MONTELARO, J., HALL, C. B., and JAMISON, F. S. Reduction of urea injury to tomato foliage by addition of magnesium sulfate to the spray solution. Amer. Soc. Hort. Sci. Proc. 60:286-288. Dec.1952. 81 So12

51080 MOORE, E. L., and THOMAS, W. O. Some effects of shading and para-chlorophenoxy acetic acid on fruitfulness of tomatoes. Amer. Soc. Hort. Sci. Proc. 60: 289-294. Ref. Dec.1952. 81 So12

51081 MORQUER, R. La resistance des feuilles persistantes à la gelée. Rev. de Path. Gén. et Compar. 52: 117-119. Jan.1953. 448.8 R326

51082 MORRISON, F. O. Effect of soil treatment with BHC and lindane on barley yields. J. Econ. Ent. 46: 173-174. Feb.1953. 421 J822

51083 MOSS, R. A. Absorption spectra of leaves. (Abs.) Iowa State Col. J. Sci. 27:221-222. Jan.1953. 470 Io9

51084 MOYSE, A. La photosynthèse. Ann. Biol. 56: 217-293. Ref. Nov./Dec.1952. 442.8 An7

51085 MURSI, A. F. A. The effect of D.D.T. on plants. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:105-108. Jan./Mar.1953. 22.5 Ir1

51086 NAVALKAR, B. S. Chlorophyll contents of the leaves of the rice (Oryza sativa, L.) under different treatments. Bombay. U. J. Sect. B. Biol. Sci. (n.s.)21 (3):74-87. Ref. Nov.1952. 513 B633

51087 NESPIAK, A. Mycotrophy of the alpine vegetation of the Tatra Mountains. (In Polish.) Soc. Bot. Polon. Acta 22:97-125. Ref. 1953. 451 So16
English summary.

51088 NYBOM, N., GUSTAFSSON, Å., and EHRENBERG, L. On the injurious action of ionizing radiations in plants. Bot. Not. 4:343-365. 1952. 450 B656
X-rays and neutrons.

51089 NYLUND, R. E. The response of onions to soil and foliar applications of manganese and to soil applications of other trace elements. Amer. Soc. Hort. Sci. Proc. 60:283-285. Dec.1952. 81 So12

51090 OHTA, J. Experimental studies on the protoplasmic streaming in the Myxomycete plasmodium. II. Cytologia 17:300-310. Ref. Dec.1952. 442.8 C99

51091 OKADA, M. On the relation of stem length and leaf area to flower bud formation in Chrysanthemums. (In Japanese.) Hort. Assoc. Japan. J. 21:174-178. Dec. 1952. 87 H78

51092 OKANOUE, M. On the correlation between the harvest of rice and daily range of air temperature in Ehime Prefecture. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:86. Nov.1952. 340.9 So1

51093 OKANOUE, M., and ICHIKAWA, M. On the effect of weather, especially air masses, and Baiu front in summer upon the harvest of rice in Japan. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:79-82. Ref. Nov.1952. 340.9 So1
English summary.

51094 OLSON, P. J. Effects of herbicides on cereals with special reference to oats. No. Cent. Weed Control Conf. Proc. 9:2-4. 1952. 79.9 N81

51095 ONO, H. The effects of 2,4-dichlorophenoxyacetic acid upon the growth of roots. Bot. Mag. 65:224-227. Ref. Sept./Oct.1952. 450 B651

51096 OSAWA, S., and OOTA, Y. Growth and pentose nucleic acid content of bean embryo. Experientia 9:96-98. Ref. Mar.15,1953. 475 Ex7

51097 PACHLEWSKI, R. Mycotrophy of the seedlings of Larix polonica and L. sudetica in natural and artificial conditions. (In Polish.) Soc. Bot. Polon. Acta 22:133-168. Ref. 1953. 451 So16
English summary.

51098 PENNINGSFELD, F. Stand und entwicklungsmöglichkeiten der hydrokultur. II. Tech. f. Bauern u. Gärt. Ausg. G 5:105-107. Mar.10,1953. 58.8 T223G

51099 PERKINS, D. Y., MILLER, J. C., and DALLYN, S. L. Influence of pod maturity on the vegetative and reproductive behavior of okra. Amer. Soc. Hort. Sci. Proc. 60:311-314. Dec.1952. 81 So12

51100 PICKETT, W. F., and BATES, J. C. The influence of naphthalene acetic acid and sodium dinitro foliage sprays on the internal structure of Jonathan apple leaves. Amer. Soc. Hort. Sci. Proc. 60:173-174. Dec. 1952. 81 So12

51101 PLASSE, J. J. VAN D. Scald of Goudreinette. (In Dutch.) Betuws Tuinbouwbl. 11(2):5. Mar.21,1953. 80 B464

51102 POPPENDIEK, H. F. Transient and steady-state heat transfer in irradiated citrus fruit. Amer. Soc. Mech. Engin. Trans. 75:421-425. Ref. Apr.1953. 291.9 Am3T
Through use of radiant orchard heaters.

51103 PORTER, H. K., and MARTIN, R. V. Preparation of radioactive starch, glucose and fructose from $C^{14}O_2$. J. Expt. Bot. 3:326-335. Sept.1952. 450 J8224
In tobacco leaves.

51104 POZDENA, L. Bilanz der pflanzenernährung in grösserem raum (Bundesland Burgenland). Bodenkultur 5:209-218. 1952. 19 B635

51105 PREVOT, P., OLLAGNIER, M., and FOURRIER, P. Carence azotée et phosphorée de l'arachide dans la région de Louga (Sénégal). Oléagineux 8:135-138. Mar.1953. 77.8 OL2

51106 PROEBSTING, E. L., and TATE, R. Seasonal changes in nitrate content of fig leaves. Amer. Soc. Hort. Sci. Proc. 60:7-10. Dec.1952. 81 So12
California.

51107 PROVVIDENTI, R. Soilless culture of plants. (In Italian.) Tec. Agr. 5:19-20. Jan./Feb.1953. 16 T22

51108 PURVIS, O. N., and GREGORY, F. G. Accelerating effect of an extract of vernalized embryos of winter rye on flower initiation and unvernalized embryos. Nature [London] 171:687-688. Apr.18,1953. 472 N21

51109 PUTNAM, C. S. Notes on the resistance of orchids to light. Orchid J 2:14-15. Jan.1953. 80 Or174

51110 RADOJEVIC, R. Les éléments du climat comme facteurs écologiques dans la culture du tabac. (In Serbo-Croatian.) Tutun 2:303-311,356-363. Nov.-Dec. 1952. 69.8 T88

51111 RAFOLS, W. DE. Fisiologia vegetal y clima. Asoc. Nac. de Ingen. Agrón. B. 3(34):9-20. Jan.1953. 58.9 As5

51112 REATH, A. N., and WITTWER, S. H. The effects of temperature and photoperiod on the development of pea varieties. Amer. Soc. Hort. Sci. Proc. 60:301-310. Ref. Dec.1952. 81 So12

51113 REINDERS-GOUWENTAK, C. A., and SIPKENS, J. The influence of photoperiod, dormancy breaking and growth hormone treatment on poplar cuttings. Nederland. Akad. van Wetensch. Proc. Ser. C. Biol. & Med. Sci. 56:8 71-80. Jan./Feb.1953. 442.9 Am8

51114 REINDERS-GOUWENTAK, C. A. Vegetative propagation of Populus cuttings from South Africa in spring in the Netherlands. Nederland. Akad. van Wetensch. Proc. Ser. C. Biol. & Med. Sci. 56:66-70. Jan./Feb.1953. 442.9 Am8

51115 REUTHER, W., and SMITH, P. F. Effects of high copper content of sandy soil on growth of citrus seedlings. Soil Sci. 75:219-224. Ref. Mar.1953. 56.8 So3

51116 RICHARDSON, S. D. A note on some differences in root-hair formation between seedlings of sycamore [Acer pseudoplatanus] and American oak [Quercus borealis maxima]. New Phytol. 52:80-82. Feb.1953. 450 N42

51117 RINGOET, A. Recherches sur la transpiration et le bilan d'eau de quelques plantes tropicales (palmier à huile, caféier, cacaoyer, etc.). Inst. Natl. pour l'Étude Agron. du Congo Belge. P. Sér. Sci. 56,139 p. Ref. 1952. 24 In7

51118 RIPLEY, P. O. 2,4-D with additives of leaf-feeding properties. No. Cent. Weed Control Conf. Proc. 9:8-11. 1952. 79.9 N81

51119 ROHDE, G. Phosphataufschliessungsvermögen der pflanzen. Deut. Landwirt. 4:84-87. Feb.1953. 18 D4822

51120 ROLINSON, G. N., and LUMB, M. The effect of aeration on the utilization of respiratory substrates by Penicillium chrysogenum in submerged culture. J. Gen. Microbiol. 8:265-272. Apr.1953. 448.3 J823

51121 ROSSETTER, F. N., and JACOBS, W. P. Studies on abscission: the stimulating role of nearby leaves. Amer. J. Bot. 40:276-280. Apr.1953. 450 Am36

51122 ROUSSEAU, J. Influence des hétéroauxines sur la croissance des corbeilles à propagules de Marchantia polymorpha L. et de Lunularia cruciata Adans. Rev. Bryologique et Lichenologique (n.s.)21:239-241. 1952. 450 R325

51123 RUBIN, B. A. Situation and problems of plant physiology. (In Russian.) Selek i Semen. 20:38-42. Jan. 1953. 61.9 Se5

51124 RUDLOFF, C. F. Fragmente aus blütenbiologischen untersuchungen an kern- und steinobst. Obstbau 72:61-63. Apr.1,1953. 80 Ob73

51125 RUDLOFF, C. F., and SCHMIDT, M. Untersuchungen über kernzahl und fruchtgewicht und deren gegenseitige beziehungen bei einigen apfelsorten. Züchte 23:44-61. Ref. 1953. 442.8 Z8

51126 RYGG, G. L. The effect of sulfur dust and exposure to high temperatures on the sulfur content and acidity of immature Deglet Noor dates. Amer. Soc. Hort. Sci. Proc. 60:204-208. Dec.1952. 81 So12

51127 RZHANOVA, E. I. Peculiarities of reproductive organ formation in timothy [Phleum pratense] in connection with various conditions of passing the developmental phases. (In Russian.) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 57(6):73-76. 1952. 511 M85

51128 SAGROMSKY, H. Lichtinduzierte ringbildung bei pilzen. II. Flora [Jena] 139:560-564. Dec.30,1952. 450 F66

51129 SAKR, S. M. Effect of temperature and photo period on seedstalk development in parsnip. Amer. Soc. Hort. Sci. Proc. 60:299-300. Dec.1952. 81 So12

51130 SAKR, S. M., and MAHMOUD, E. E. D. Viability of seeds harvested from fruits at different stages of maturity. Amer. Soc. Hort. Sci. Proc. 60:327-329. Dec.1952. 81 So12
Peppers.

51131 SALONI, K. The application of parabolic curves for determining the influence of rainfall on crop yields. (In Polish.) Rocz. Nauk Roln. 62:107-139. 1952 20.5 R59
English summary.

51132 SAMANTARAI, B., MISRA, G., and KABI, T. Studies in rooting response. Cur. Sci. 22:48. Feb.1953. 475 Sci23
Effects of growth substances.

51133 SCHODEL, and ROHMEDER. Die wirkung des pflanzenwirk- und impfstoffes "Ornit" im forstpflanzgartenbetrieb. Allg. Forstz. 8:124-125. Mar.1953. 99.8 AL52

51134 SCHRIMPF, K. Wodurch wird der eiweissgehalt der braugerste beeinflusst? Deut. Landwirt.-Gesell. Mitt. 68:310-311. Mar.26,1953. 18 N39
Fertilizing and other cultural influences.

51135 SCHWANITZ, F. Blütenfüllung. Umschau 52: 750-752. Dec.15,1952. 474 Um7

51136 SCHWARZENBACH, F. H. Die abhängigkeit der bulbillenbildung bei Poa alpina vivipara von photoperiodismus und frost. Experientia 9:96. Mar.15,1953. 475 Ex7
English summary.

51137 SEELEY, J. G., and VELAZQUEZ, D. D. The effect of fertilizer applications on leaf burn and growth of Croft lilies [Lilium longiflorum]. Amer. Soc. Hort. Sci. Proc. 60:459-472. Ref. Dec.1952. 81 So12

51138 SERR, E. F. Bridge grafting; possible method of preventing death of trees from "black-line." Diamond Walnut News 35(2):8. Mar.1953. 94.68 D34

51139 SERR, E. F., and FORDE, H. I. Sprays for control of preharvest drop of Peerless almonds. Amer. Soc. Hort. Sci. Proc. 60:193-196. Dec.1952. 81 So12

51140 SHADBOLT, C. A., and HOLM, L. G. The effect of weed competition on the growth and development of carrots. No. Cent. Weed Control Conf. Proc. 9:69-70. 1952. 79.9 N81

51141 SMOCK, R. M., EDGERTON, L. J., and HOFFMAN, B. Inhibition of the ripening effect of certain auxins on apples with maleic hydrazide. Amer. Soc. Hort. Sci. Proc. 60:184-192. Dec.1952. 81 So12

51142 SNYDER, F. W. Effect of different ionic ratios of nutrients on the growth response of young cotton plants Ark. Acad. Sci. Proc. 5:79-81. 1952. 500 Ar42

51143 SOUTHWICK, F. W., and WEEKS, W. D. The influence of chemical thinning treatments on yield and flowering of apples. Amer. Soc. Hort. Sci. Proc. 60:165-172. Dec.1952. 81 So12
Tests for reducing fruit set in Massachusetts.

51144 SPARROW, A. H., and SINGLETON, W. R. The use of radiocobalt as a source of gamma rays and some effects of chronic irradiation on growing plants. Amer. Nat. 87:29-48. Ref. Jan./Feb.1953. 470 Am36

51145 STICH, H. Der nachweis und das verhalten von metaphosphaten in normalen, verdunkelten und trypaflavin-behandelten Acetabularien. Z. f. Natforsch. 8b:36-44. Ref. Jan.1953. 474 Z3

51146 STUART, N. W., SKOU, W., and KIPLINGER, D. C. Further studies on causes and control of leaf scorch of Croft Easter lily. Amer. Soc. Hort. Sci. Proc. 60:434-438. Dec.1952. 81 So12
Lilium longiflorum.

51147 SUGIYAMA, T., IWATA, M., and YASHIRO, H. Magnesium deficiency in grapes. (In Japanese.) Hort. Assoc. Japan. J. 21:161-164. Ref. Dec.1952. 87 H78

51148 SUSSMAN, A. S. The effect of heterocyclic and other compounds upon the germination of ascospores of Neurospora tetrasperma. J. Gen. Microbiol. 8:211-216. Apr.1953. 448.3 J823

51149 SUZUKI, S., and ARAI, T. Does frost really bring injury to plants? (Preliminary report, 2.). (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:127-130. Nov.1952. 340.9 So1

51150 SWEDEN. LANTBRUKSHÖGSKOLAN. INSTITUTIONEN FÖR VÄXTODLINGSLÄRA. Verkan av nyare ograsmedel på kulturväxter och ogräs. Effect of some new weed killers on cultivated plants and weeds. Sweden. Lantbrhögsk. Inst. f. Fäxtodlingslara. Växtodling 7,148 p. 1952. 64.9 Up6
English summary.

51151 SWEETSER, G. A. Carbohydrates and roses. Natl. Rose Soc. Rose Annu. 1953:74-76. 84 N21

51152 SWITZER, C. M., and BIBBEY, R. O. Translocation of herbicides in leafy spurge [Euphorbia esula]. No. Cent. Weed Control Conf. Proc. 9:32. 1952. 79.9 N81

51153 TAKAHASHI, T., and TAKEYAMA, M. Studies on the potash nutrition of yellow tobacco. I-III. (In Japanese.) Hatano Tobacco Expt. Sta. B. 36:77-119. Ref. Mar.1952. 69.9 J27
English summary.

51154 TAMBOLINE, F. R. Nitrogen and vitamin requirements of Pseudomonas hydrophila. Canad. J. Bot. 31:206-211. Ref. Mar.1953. 470 C16C

51155 TAVERNIER, J., and JACQUIN, P. Assimilation et fixation du bore par le pommier et le poirier fumés au borax; microdosage colorimétrique du bore dans différents organes de ces arbres fruitiers et dans les sols. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:755-793. Sept./Oct.1952. 14 F8499

51156 THOMPSON, A. H. Further experiments with 2,4,5-trichlorophenoxypropionic acid sprays for control of the preharvest drop of apples. Amer. Soc. Hort. Sci. Proc. 60:175-183. Dec.1952. 81 So12

51157 THORNE, D. W., and WANN, F. B. Selecting chlorosis resistant shrubs. Farm & Home Sci. [Utah Sta.] 14(1):16-17. Mar.1953. 100 Ut1F

51158 TIBBITTS, T. W., and HOLM, L. C. Physiological studies on the behavior of TCA in vegetable crops and soils. No. Cent. Weed Control Conf. Proc. 9:76-77. 1952. 79.9 N81

51159 TOSKIĆ, V., and AVRAMOV, L. Verwendung der synthethischen phytohormone für die vegetative vermehrung der rebenunterlagen. (In Serbo-Croatian.) Zeml. i Biljka 1:39-50. Ref. May/Aug.1952. 56.8 Z42
German summary.

51160 TREIBER, E., LANG, W., and FLORIANT-SCHITSCH, M. Die ultraviolettabsorption einiger cambialsäfte. Protoplasma 41:452-457. Ref. 1952. 442.8 P94

51161 TRUSZKOWSKA, W., KOPEĆ, A., and HALICKA, E. La dynamique du développement des mycorrhizes observées chez les quatres variétés de Zea maïs. (In Polish.) Soc. Bot. Polon. Acta 22:65-76. Ref. 1953. 451 So16
French summary.

51162 VAN MELLE, P. J. Monoecism in Juniperus scopulorum. Phytologia 4:172. Mar.1953. 450 P563

51163 VERNON, L. P. Translocation in soybean plants. (Abs.) Iowa State Col. J. Sci. 27:267-268. Jan. 1953. 470 Io9

51164 VIEITEZ, E. Estudios sobre la vernalización del maiz. An. de Edafología y Fisiol. Veg. 12:55-82. Ref. Jan.1953. 506 Sp12
English summary.

51165 VLITOS, A. J. Biological activation of sodium 2-(2,4-dichlorophenoxy)ethyl sulfate. Boyce Thompson Inst. Contrib. 17:127-149. Ref. Jan./Mar.1953. 450 B69
Role of Bacillus cereus var. mycoides in application of growth substances.

51166 VON ABRAMS, G. J. Translocation. Amer. Rose Mag. 11(4):14-17. Apr.1953. 80 Am327A

51167 WACHTER, H. Uber den einfluss der witterung auf die samenbildung bei der eiche. Wald 3:86-88. Mar. 1953. 99.8 W143

51168 WADA, B. The effect of chemicals on mitosis studied in Tradescantia cells in vivo. II. Cytologia 17: 279-286. Dec.1952. 442.8 C99

51169 WAREING, P. F. A new photoperiodic phenomenon in short-day plants. Nature [London] 171:614-615. Apr.4,1953. 472 N21

51170 WATSON, D. P. Effect of Elgetol sprays on pistils of apple flowers. Amer. Soc. Hort. Sci. Proc. 60: 151-154. Dec.1952. 81 So12

51171 WEATHERLEY, P. E. On the uptake and hydrolysis of sucrose by leaf tissues. New Phytol. 52:76-79. Feb.1953. 450 N42

51172 WEEKS, W. D., and others. The effect of rates and sources of nitrogen, phosphorus, and potassium on the mineral composition of McIntosh foliage and fruit color. Amer. Soc. Hort. Sci. Proc. 60:11-21. Ref. Dec. 1952. 81 So12
F. W. Southwick, M. Drake, and J. E. Steckel, joint authors.
Apples.

51173 WELLS, J. S. Chlorosis in Azaleas. Amer. Nurseryman 97(7):12,74-75. Apr.1,1953. 80 Am371

51174 WENZL, H. Die überwallung von schnittwunden an obstbäumen in abhängigkeit von jahreszeit und wundbehandlung. Pflanzenschutzberichte 10:40-51. Mar.1953. 464.9 P48
English summary.

51175 WETMORE, R. H., and JACOBS, W. P. Studies on abscission: the inhibiting effect of auxin. Amer. J. Bot. 40:272-276. Ref. Apr.1953. 450 Am36

51176 WIEN BUNDESANSTALT FUR PFLANZENSCHUTZ. Geschmacksbeeinflussungen durch pflanzenschutzmittel. Pflanzenarzt 6(2):1-2. Feb.1,1953. 464.9 P482

51177 WILLIAMS, J. H. Crop variety response to exogenous growth regulators. II. Inheritance of differential response in corn and oats. (Abs.) Iowa State Col. J. Sci. 27:278-279. Jan.1953. 470 Io9

51178 WORT, D. J. The effect of 2,4-D on plant enzymes. No. Cent. Weed Control Conf. Proc. 9:32-34. 1952. 79.9 N81

51179 WORT, D. J. Physiological aspects of micronutrient sprays and dusts. No. Cent. Weed Control Conf. Proc. 9:6-7. 1952. 79.9 N81

51180 WOUDENBERG, J. P. M., and POST, J. J. Importance of phenological observations on scientific research and practice. (In Dutch.) Natura 50:2-6. Jan./Feb.1953. 410 N2192
Effects on plants.

51181 WYSS, O., MONSOUR, V., and STONE, W. B. Amino acid requiring mutants of Azotobacter. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:13. 1952. 448.39 So12A

51182 YUASA, A. The effect of K-ions on the structure of the chromosome. Cytologia 17:329-335. Ref. Dec.1952. 442.8 C99
In Tradescantia.

51183 ZALIK, S., and GRIES, G. A. Respiration response of wheat root tips to 2,4-dichlorophenoxyacetic acid, maleic hydrazide and indole acetic acid. (Abs.) No. Cent. Weed Control Conf. Proc. 9:36. 1952. 79.9 N81

BIOCHEMISTRY

51184 ACHARYA, B. N., and MALPOORWALA, B. G. Studies in carotenoids. I-III. Bombay. U. J. Sect. A. Phys. Sci. (n.s.)21(3):47-68. Ref. Nov.1952. 513 B633
Plants.

51185 ALDOUS, J. G., and STEWART, K. D. Enzymatic activity as an indication of the intracellular pH of the yeast cell. (Abs.) Nova Scotian Inst. Sci. Proc. 23: 114. 1950/51,pub.Mar.1953. 517 H13

51186 ASUNMAA, S., and LANGE, P. W. Esterification of the carbohydrates in the plant cell wall with p-phenylazobenzoyl chloride for microspectrographic investigation. Svensk Papperstidn. 56:85-90. Feb.15,1953. 302.8 Sv2

51187 BARGONI, N. Synthesis of amino acids in roots of Solanum tuberosum. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1695-1697. Aug./Oct.1952. 442.8 So12

51188 BARNETT, A. J. G., and DUNCAN, R. E. B. Acetic acid in fresh grass. Nature [London] 171:478. Mar.14,1953. 472 N21

51189 BARTHOLOMEW, W. V., and NORMAN, A. G. Microbial thermogenesis in the decomposition of plant materials. IV. J. Bact. 65:228-232. Mar.1953. 448.3 J82

51190 BENNET-CLARK, T. A., and KEFFORD, N. P. Chromatography of the growth substances in plant extracts. Nature [London] 171:645-647. Apr.11,1953. 472 N21

51191 BHARANI, S. P., SHAH, Y. S., and SREENIVASAN, A. Biosynthesis of vitamin C during germination. III-IV. Indian Acad. Sci. Proc. Sect. B 37:33-71. Ref. Feb.1953. 513 In25B

51192 BHATIA, I. S., SATYANARAYANA, M. N., and SRINIVASAN, M. Carbohydrates of Agave vera cruz. Cur. Sci. 22:16-17. Jan.1953. 475 Sci23

51193 BRADBURY, R. B., and WHITE, D. E. The chemistry of subterranean clover. II. Chem. Soc. J., Mar. 1953:871-876. 382 L84J

51194 BREYHAN. Neue methoden zur bestimmung einzelner aminosäuren in pflanzen. Landbforsch. Völkenrode 3:20-21. Jan.1953. 18 L2353

51195 BRYANT, F., and OVERELL, B. T. Quantitative chromatographic analysis of organic acids in plant tissue extracts. Biochim. et Biphys. Acta 10:471-476. Ref. Mar.1953. 381 B522

51196 CHAYEN, J., and NORRIS, K. P. Cytoplasmic localization of nucleic acids in plant cells. Nature [London] 171:472-473. Ref. Mar.14,1953. 472 N21

51197 CLARK, P. J., and others. Selenium content of apples. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:245-247. Jan.1953. 514 N48B
H. E. Barr, A. Camden-Cooke, and H. Jacks, joint authors.

51198 CONTI, F. W. Die gewinnung der kohlenhydrate der topinambur. Zucker 6:120-125. Ref. Mar.15, 1953. 65.8 Z82

51199 DAS, D. B., MITRA, M. K., and WAREHAM, J. F. Association of glucose, arabinose and xylose in jute. Nature [London] 171:613-614. Apr.4,1953. 472 N21

51200 DUBOULOZ, P., and MARVILLE, R. Sur la présence dans les feuilles vertes de substances defruisant les peroxydes lipidiques. Soc. de Biol. Compt. Rend. 146:1756-1757. Nov.1952. 442.9 P21

51201 DUJARRIC DE LA RIVIERE, R., and MOMENTEAU, H. Sur la toxicité expérimentale de l'Entolome livide. Rev. de Mycol. 17:193-196. Dec.1,1952. 450 An74

51202 EVANS, W. C., and PARTRIDGE, M. W. Alkaloids of Datura innoxia. Nature [London] 171:656. Apr.11,1953. 472 N21

51203 FAURE, M., and MORELEC-COULON, M. J. Isolement d'un acide glycéro-inosito-phosphatidique contenu dans le germe de blé. Acad. des Sci. Compt. Rend. 236:1104-1106. Mar.9,1953. 505 P21

51204 FORSTER, W. A. The determination of magnesium in plant material by means of ethylenediaminetetra-acetic acid. Analyst 78:179-180. Mar.1953. 382 An1

51205 FOWDEN, L., and DONE, J. The enzymatic decarboxylation of γ-methylene glutamic acid. Biochem. J. 53:xxxi. Mar.1953. 382 B52
In plants.

51206 GIBBS, M., and GASTEL, R. Glucose dissimilation by Rhizopus. Arch. Biochem. & Biophys. 43:33-38. Ref. Mar.1953. 381 Ar2

51207 GIBBS, M. Metabolism of hexose phosphate and pentose phosphate by plant leaves and plant roots. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1): 208. Mar.1953. 442.9 F31P

51208 GOODWIN, T. W. The comparative biochemistry of the carotenoids. London,Chapman & Hall,1952. 356 p. 387.1 G63
In plants and insects.

51209 GOODWIN, T. W., and others. Studies in carotenogenesis. 7-9. Biochem. J. 53:531-546. Mar. 1953. 382 B52
7, Further observations concerning the action of diphenylamine in inhibiting the synthesis of β-carotene in Phycomyces blakesleeanus, by T. W. Goodwin, M. Jamikorn and J. S. Willmer; 8, The carotenoids present in the basidiomycete Dacromyces stillatus, by T. W. Goodwin; 9, General cultural conditions controlling carotenoid (spirilloxanthin) synthesis in the photosynthetic bacterium Rhodospirillum rubrum, by T. W. Goodwin, and H. G. Osman.

51210 HILLS, K. L., BOTTOMLEY, W., and MORTIMER, P. I. Occurrence of nicotine together with hyoscine in Duboisia myoporoides R. Br. Nature [London] 171:435. Mar.7,1953. 472 N21

51211 ILJIN, W. S. Microelementos en las plantas forrajeras. Agron. Trop. [Maracay] 2:91-112. Ref. July/Sept.1952. 26 Ag87

51212 JACOBS, E. E. Condensed states of chlorophyll and related pigments. Mich. U. Diss. Abs. 13:8-9. Feb.1953. 241.8 M58

51213 KLIMENKO, V. G. Nitrogen forms in seeds and proteins of gram (Cicer arietinum). (In Russian.) Biokhimiîa 18:12-18. Ref. Jan./Feb.1953. 385 B523

51214 KUTTNER, R., and WAGREICH, H. Some inhibitors of mushroom catecholase. Arch. Biochem. & Biophys. 43:80-87. Ref. Mar.1953. 381 Ar2

51215 LINDBERG, B., and WICKBERG, B. Studies on the chemistry of lichens. III. Disaccharides from Umbilicaria pustulata (L.) Hoffm. Acta Chem. Scand. 7: 140-142. 1953. 385 Ac82

51216 LITYNSKI, T., JURKOWSKA, H., and ZAK, Z. The influence of the lignite on the citric acid production by Aspergillus niger. (In Polish.) Acta. Microbiol. Polon. 1:291-299. 1952. 448.3 Ac82
English summary.

51217 MCCLENDON, J. H. The intracellular localization of enzymes in tobacco leaves. II. Cytochrome oxidase, catalase, and polyphenol oxidase. Amer. J. Bot. 40:260-266. Ref. Apr.1953. 450 Am36

51218 MIKHLIN, D. M., and PSHENOVA, K. V. Polyphenolic compounds of kok-saghyz. (In Russian.) Biokhimiîa 18:24-28. Ref. Jan./Feb.1953. 385 B523

51219 MILLBANK, J. W. Demonstration of transaminase systems in the alga Chlorella. Nature [London] 171:476-477. Mar.14,1953. 472 N21

51220 MOTHES, K., and ENGELBRECHT, L. Über allantoinsäure und allantoin. I. Ihre rolle als wanderform des stickstoffs und ihre beziehungen zum eiweissstoffwechsel des ahorns [Acer]. Flora [Jena] 139:586-616. Ref. Dec.30,1952. 450 F66

51221 MURAKAMI, Y. Relative specificity of the chemically modified 'Aspergillus niger β-glucosidase. Nature [London] 171:522-523. Mar.21,1953. 472 N21

51222 NAKAI, T. Fundamental studies on the tobacco enzymes. (In Japanese.) Hatano Tobacco Expt. Sta. B. 36:121-137. Ref. Mar.1952. 69.9 J27
English summary.

51223 NARAYANAMURTI, D., and VERMA, G. M. Studien zur biochemie holzzerstörender pilze. III. Cellulase und invertase von Polystictus sanguineus und über die mögliche wirkungsmechanik von holzschutzmitteln. Holz als Roh- u. Werkst. 11:7-9. Jan.1953. 99.81 H74

51224 PARETSKY, D.,and CLARK, L. B. Studies on the biochemistry of X-rayed yeast. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:159. 1952. 448.39 So12A

51225 PETROVA, A. N., BOLOTINA, T. T., and KOBZEVA, A. A. Investigation of the processes of synthesis and decomposition of starch in potato tubers during various periods of growth. (In Russian.) Biokhimiîa 18:47-50. Jan./Feb.1953. 385 B523

51226 PHILIPSBORN, H. VON. Uber calciumoxalat in pflanzenzellen. Protoplasma 41:415-424. Ref. 1952. 442.8 P94

51227 RACHINSKII, V. V., KNÎAZÎATOVA, E. I., and KRAVTSOVA, B. E. Analysis of sugar in plants [field crops] by the method of paper chromatography. (In Russian.) Biokhimiîa 18:19-23. Jan./Feb.1953. 385 B523

51228 REIFER, I. Quick method for cobalt determination in plant material. (In Polish.) Rocz. Nauk Roln. 62: 99-106. 1952. 20.5 R59
English summary.

51229 RENARD, M. La chimie organique dans les études agronomiques. Ann. de Gembloux 59:7-13. First Q.1953. 13 G28

51230 RENZ, J. Glucosides cardiotoniques de Periploca graeca L. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:52-55. Ref. Jan./Feb.1953. 26 R323

51231 ROELOFSEN, P. A. Polygalacturonase activity in yeast, Neurospora and tomato extract. Biochim. et Biophys. Acta 10:410-413. Ref. Mar.1953. 381 B522

51232 SAPOSHNIKOVA, K. Cambios de la acidez y de los hidratos de carbono durante el crecimiento y la maduración de las frutas del cacao. Agron. Trop. [Maracay] 2:83-90. July/Sept.1952. 26 Ag87
English summary.

51233 SAROJA, K., and GIRI, K. V. pH-activity relationship of the α-and β-amylases of resting and germinated barley and ragi (Eleusine coracana). Indian Inst. Sci. J. 35(1,sect.A):99-105. Ref. Jan.1953. 513 In23

51234 SILVER, W. S., and MCELROY, W. D. Enzymatic studies on nitrate and nitrite mutants of Neurospora. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12 (1,pt.1):268. Mar.1953. 442.9 F31D

51235 SIMONART, P., and CHOW, K. Y. Etude du métabolisme d'acides aminés chez Aspergillus oryzae. I. Antonie van Leeuwenhoek J. Microbiol. & Serol. 19:121-134. 1953. 448.8 N28A

51236 STARR, M. P., and SAPERSTEIN, S. Thiamine and the carotenoid pigments of Corynebacterium poinsettiae. Arch. Biochem. & Biophys. 43:157-168. Ref. Mar. 1953. 381 Ar2

51237 TOD, H. Soil and autumn color. Roy. Hort. Soc. J. 78:105. Mar.1953. 84 L84J

51238 VIRTANEN, A. I., MIETTINEN, J. K., and KUNTTU, H. α-keto-acids in green plants. Acta Chem. Scand. 7:38-44. Ref. 1953. 385 Ac82

51239 WAHL, R. Ueber das vorkommen und den nachweis kleinster nikotinmengen in tomatenblättern. II. Tabak-Forsch. 10:3-4. Mar.1953. 69.8 T116

51240 WAKSMAN, S. A. The changing concept in microbiology. Sci. Mon. 76:127-133. Ref. Mar.1953. 470 Sci23

51241 WATANABE, T., and TASAKA, Y. Studies on the volatile components of mulberry leaves. II. (In Japanese.) J. Sericult. Sci. Japan 21:33-36. Apr.1952. 425.9 Se6
English summary.

51242 WEAVER, E. A., and CORDON, T. C. Availability of amylases from fungi. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:25. 1952. 448.39 So12A

51243 WEBB, L. J. An occurrence of aluminium succinate in Cardwellia sublimis F. Muell. Nature [London] 171:656. Apr.11,1953. 472 N21

51244 ZELITCH, I., and OCHOA, S. Oxidation and reduction of glycolic and glyoxylic acids in plants. I-II. J. Biol. Chem. 201:707-726. Ref. Apr.1953. 381 J824

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

51245 AKADEMIÍA NAUK. INSTITUT FIZIOLOGII RASTENIÍ IM. K. A. TIMIRÍÁZEVA. Voprosy travopol'noĭ sistemy zemledeliía [Problems of the grass-field crop rotation system of agriculture], v. 1. Moskva, Akademiía Nauk SSSR,1952. 404 p. 33.31 Ak13

51246 ALASKA. AGRICULTURAL EXPERIMENT STATION. AGRONOMY DEPT. Recommended varieties of field crops for Alaska, 1953-54. Alaska. Agr. Expt. Sta. C. 14,rev.,8 p. Jan.1953. 100 AL122E

51247 BATTISTELLI, E. The increase of agricultural production and grain. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:47-49. Feb.1953. 16 C72

51248 BERNAL, D. M. El 2, 3, 5, trifenil cloruro tetrasodico en la determinación de la germinabilidad de las semillas. (Sum.) Agr. Trop. 9(3):15-18. Mar. 1953. 26 Ag8

51249 BLEIER, H. Wie die saat—so die ernte! Ratschläge zur saatgut- und sortenfrage unter besonderer berücksichtigung von spezialkulturen. Bauern-Ztg. 6(10): 7,12. Mar.13,1953. 18 B324
Germany.

51250 BURMA. DEPT. OF SETTLEMENTS AND LAND RECORDS. Season and crop report of the Union of Burma for the year ending the 30th June 1949. Rangoon, 1952. 51 p. 22 B922S

51251 CAMARAO, M. C. Some basic agronomic concepts. VII. (In Portuguese.) Bras. Açucareiro 40:489-492. Ref. Oct.1952. 65.8 B73

51252 CERVI, B. Con la explotacion racional del suelo se puede obtener una mayor y mejor produccion. Mundo Agr. 5(45):62-63. Feb.1953. 9 M92
Crop rotation in Argentina.

51253 CONGRESO NACIONAL DE INGENIEROS AGRONOMOS, 1, MEDELLIN, 1952. Conclusiones y recomendaciones. Soc. Antioquena de Agr. B. Agr. 393: 3802-3814. Jan.1953. 9.4 So1

51254 COON, B. F., and SCHNEIDER, E. O. Growers' interest in tobacco research expands into field and vegetable crops. Pa. Agr. Expt. Sta. B. 553(sup.2):1-2. Mar. 1953. 100 P381
Work at the Southeastern Field Research Laboratory.

51255 ERMAKOV, A. Importance of quality and quality of protein in cultivated crops. (In Russian.) In Akademiía Nauk. Otdelenie Biologicheskikh Nauk. Belki v promyshlennosti i sel'skom khoziaĭstve, p.303-333. Ref. Moskva,1952. 387.1 Ak12

51256 GORITZ, H. Feldschutzpflanzungen. Deut. Bauern Kal. 1953:117-119. 18 D4826
Russian Zone of Germany.

51257 HAMY, A. Nouvelle méthode d'expérimentation. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:963-968. Nov./Dec.1952. 14 F8499

51258 HANSEN, A. Seed culture experiments of the farmer's and smallholder's associations 1952. (In Danish.) Tidsskr. f. Frøavl 21:118-126. Mar.10,1953. 61.8 T43

51259 HARPER ADAMS AGRICULTURAL COLLEGE. Farm guide, season 1952,with notes on the crop variety trials. Newport,Shropshire,Eng.,1952. 30 p. 103 H23F

51260 HILLER, R. Die versorgung mit landwirtschaftlichem saatgut zur frühjahrsbestellung 1953. Saatgut-Wirt. 5:32-34. Feb.1953. 61.8 Sa1

51261 HOFSTEN, C. G. VON. The Bollnäs disease is a crop rotation disease. (In Swedish.) Lantmannen 37: 218-220,222. Mar.7,1953. 11 L234

51262 INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE. Compte rendu des travaux effectués dans les Stations Agronomiques au cours de l'année 1951. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:467-712. July/Aug.1952. 14 F8499

51263 KANSAS. AGRICULTURAL EXPERIMENT STATION. FORT HAYS BR. Fall field day report of the Fort Hays Branch Station for 1951-52. Kans. Agr. Expt. Sta. C. 289,28 p. Sept.5,1952. 100 K13S

51264 KARSBERGEN, C. Without good seed, no good harvest. (In Dutch.) Natl. Coop. Aan- en Verkoopver. v. de Landb. Cent. Bur. Meded. 36:107. Sept.1952. 12 N287

51265 KHALIFMAN, I. A. Bee pollination as a factor in breeding and seed growing. (In Russian.) Selek. i Semen. 20:22-26. Jan.1953. 61.9 Se5
Field crops.

51266 KIEL, W., and SCHRENK, A. Landwirtschaftlicher pflanzenbau. Berlin,Deutscher Bauernverlag,1952. 387 p. 33.27 K54

51267 KIEL, W. Saatgutwechsel—sortenwahl. Deut. Bauern Kal. 1953:158-159. 18 D4826
Russian Zone of Germany.

51268 KIESSELBACH, T. A., and LYNESS, W. E. Crop rotation experiments. Nebr. Agr. Expt. Sta. B. 416, 33 p. Dec.1952. 100 N27

51269 KIRSTE, A. Ein streifzug durch "fruchtfolgen in Niedersachsen." Landwirtbl. Weser-Ems 100:319-321. Mar.19,1953. 18 L2345

51270 KNOBLICH. Die untersaaten müssen ins land. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:570. Apr.2, 1953. 18 L2346

51271 KONNECKE, G. Neue fruchtfolgen. Deut. Bauern Kal. 1953:58-59. 18 D4826
Russian Zone of Germany.

51272 MCKENZIE, M. G., PEEDIN, C. D., and MOORE, R. P. Measured crop performance—corn hybrids, cotton, wheat, oats, barley. N. C. Agr. Expt. Sta. B. 381,40 p. Feb.1953. 100 N81
Variety tests.

51273 MANIL, P. Microbiologie et agronomie. Ann. de Gembloux 59:14-29. First Q.1953. 13 G28

51274 MILATZ, R. Die bedeutung der zuchtsorten und des saatgutwechsels. Ausbild. u. Beratung in der Landwirt. 6:50,54-55. Mar.1953. 18 N11
Germany.

51275 MINNESOTA. UNIVERSITY. DEPT. OF AGRICULTURE. DIV. OF AGRICULTURAL EXTENSION. Improved varieties of farm crops. Minn. U. Agr. Ext. Folder 22,rev.,28 p. Mar.1953. 275.29 M66Ex

51276 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Mais [Corn], 1953. Ber. over Rassenkeuze 142,5 p. Feb. 1953. 64.9 W12

51277 NORFOLK AGRICULTURAL STATION, SPROWSTON, NORWICH. The practice of arable crop experimentation, by P. N. Harvey. Norwich,1952. 79 p. 32 N76

51278 NORTH CAROLINA CROP IMPROVEMENT ASSOCIATION. 1953 certification handbook. Raleigh, 1953. 50 p. 61.9 N815N

51279 OHIO SEED IMPROVEMENT ASSOCIATION. Handbook of seed certification, 45. Columbus,1952. 55 p. 61.9 Oh3H

51280 OREGON. AGRICULTURAL EXPERIMENT STATION. 1953 field crop recommendations for Oregon. Oreg. Agr. Expt. Sta. B. 533,24 p. Mar.1953. 100 Or3

51281 PRIEN, H. G. Der landeskulturelle wert. Saatgut-Wirt. 5:34-36. Feb.1953. 61.8 Sa1
Field crops.

51282 RAISSLE, F. Wie die Saatgutgemeinschaft Gramzow ihre aufgaben gelöst hat. Demokratische Dorf 2(10):21-22. Oct.1952. 281.8 D39

51283 RENIUS, W. Fruchtfolge und gründüngungszwischenfrucht, die billigsten betriebsmittel. Hannoversche Land- u. Forstwirt. Ztg. 106:330. (Cont.) Mar.14,1953. 18 H194

51284 RENIUS, W. Fruchtfolge und gründüngungszwischenfrucht, die billigsten betriebsmittel. Hannoversche Land- u. Forstwirt. Ztg. 106:365-367. (Concl. Mar.21,1953. 18 H194

51285 ROTHAMSTED EXPERIMENTAL STATION. Results of the field experiments, 1951. n.p.,1952. unpaged. 103 R74Rf

51286 RUBENSAM, E. Das trawopolnaja-system in der deutschen landwirtschaft. Deut. Bauern Kal. 1953: 50-51. 18 D4826

51287 SAKURAI, Y. Theories on free system cropculture. IV. (In Japanese.) Nōgyō Keizai Kenkyu 24:874-885. Feb.1953. 281.8 N68

51288 SASKATCHEWAN CO-OPERATIVE PRODUCERS. Junior co-operative variety tests; wheat, barley and flax, 1952. n.p.,1953. 73 p. 59.9 Sa74J

51289 SCHRODER, and KASCHIK. Wie steht es mit dem gemengeanbau? Praxis u. Forsch. 5:44-46. Mar. 20,1953. 18 P89
Germany.

51290 STOA, T. E. N. Dak. crop varieties recommended for 1953. Grainmen's Mirror 31(3):8-9. Mar.1953. 286.81 G76

51291 VEREENIGING TOT EXPLOITATIE VAN PROEFBOERDERIJEN IN DE VEENKOLONIEN. VEENDAM. Proefboerderijen te Borgercompagnie en Emmercompascuum; verslag [Test farms at Borgercompagnie and Emmercompascuum; report for the year], 1951. Groningen?1952? 130 p. 105.2 G894

51292 WRAAE-JENSEN, H. Seed crop experiments. (In Danish.) Dansk Frøavl 36:73-76. Mar.15,1953. 61.8 D23

Cereals

51293 ÅKERMAN, Å. Ripening and harvesting of grain 1952. (In Swedish.) Mjölkpropagandan 30:61-63. Mar.1953. 44.8 M692

51294 ANDERSEN, T. Rye variety trials. 1946-1951. (In Danish.) Tidsskr. f. Planteavl 56:317-333. 1953. 11 T439

51295 ASAI, T. The effects of wind break for going up the water temperature. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:140-142. Nov.1952. 340.9 So1
English summary.
In rice culture.

51296 BADEN, W. Sommergetreideanbau auf hochmoor- und sandmischkulturen. Landwirtbl. Weser-Ems 100:349-352. Mar.26,1953. 18 L2345

51297 BAR-URIAN, M. Sorghum growing. (In Hebrew.) Hassadeh 33:201-202. Jan.1952. 26 H27

51298 BEREZIN, S. K. Kak my dobilis' vysokikh urozhaev zernovykh kul'tur [How we obtained high yields of grain crops]. Moskva,"Znanie",1952. 23 p. (Vsesoiùznoe Obshchestvo po Rasprostraneniiu Politicheskikh i Nauchnykh Znanii, Moscow. [Broshiury-Stenogrammy Letskii] Seriia 3. No. 7) 59 B45

51299 BJAANES, M. Norrøna. (In Norwegian.) Samvirke [Oslo] 48:124-126. Mar.1,1953. 280.28 Sa4
A new wheat variety.

51300 BRUGGEMANS. Observations et conseils pour la culture du maïs. Sillon Belge 23(552):1-2. Mar.21, 1953. 13 Si3

51301 BUNTING, E. S., and BLACKMAN, G. E. Hybrid maize as a grain crop; an assessment of the possibilities. Gt. Brit. Min. Agr. Agriculture 59:578-582. Mar.1953. 10 G79J
Breeding.

51302 BURRAGE, A. C. A method with corn. Horticulture 31:161. Apr.1953. 80 H787

51303 CABASSON, F., and BAZILE, A. La riziculture dans Le Gard. Marchés Colon. du Monde 9:993-995. Mar.28,1953. 286.8 M33

51304 CAPUTA, J. Quelques résultats des essais de mäis grains en 1952. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:11-13. Feb.1953. 17 J82A

51305 CARTER, H. W. A study of winter wheat (Triticum vulgare) and cheat (Bromus secalinus) when grown alone and when grown in combination at different populations. Mich. U. Diss. Abs. 13:1. Feb.1953. 241.8 M58

51306 CHAROENRAT, S. The work of American Rice Research Station. (In Siamese.) Kasikorn 25:474-480. Nov.1952. 22.5 K15
English summary.

51307 CHAVAN, V. M., ARGIKAR, G. P. Cultivation and breeding of rice in South Gujarat. I. General aspect of rice cultivation. Poona Agr. Col. Mag. 43:79-85. Aug. 1952. 22 P79

51308 CHRISTENSEN, J. Spring in the winter grain fields. (In Danish.) Dansk Landbr. 72:156-157. Mar.26, 1953. 280.28 V91

51309 COLLINS, E. R. Play safe with sorghum. Carolina Co-op. 31(4):12-13. Apr.1953. 72.8 N81

51310 CONSOLINI, A. Final report on the determination of points for corn in the 4th Lombardy Grain Contest for 1951-1952. (In Italian.) Humus 8(12):14-18. Dec. 1952. 16 H88

51311 CONVEGNO NAZIONALE DELLA RISICOLTURA, 1, VERCELLI, 1951. Atti ufficiali [Official Acts]. Vercelli,Camera di Commercio Industria e Agricoltura, 1952. 154 p. 59.9 C7623

51312 COOPER, G. S. Preharvest chemical top-killing as a possible aid in the natural drying and harvesting of small grains, corn and soybeans. Urbana,1953. 3 p. 464.4 D78
Abstract of thesis - University of Illinois.

51313 DENMARK. STATENS FORSØGSVIRKSOMHED I PLANTEKULTUR. Wheat and rye variety trials, 1945-1951. (In Danish.) Tidsskr. f. Planteavl 56:353-357. 1953. 11 T439

51314 DENMARK. STATENS FORSØGSVIRKSOMHED I PLANTEKULTUR. Wheat variety trials, 1947-51. (In Danish.) Tidsskr. f. Planteavl 56:341-344. 1953. 11 T439

51315 DENZER, H. Die sortenfrage bei sommergetreide. Deut. Landwirt.-Gesell. Mitt. 68:278. Mar.19 1953. 18 N39

51316 DUNGAN, G. H. You can raise 100 bushels an acre. Breeder's Gaz. 118(5):9. May 1953. 49 B74
Hybrid corn.

51317 DUNKIN, E. S. Recommended corn varieites for farmers in Alabama. Ala. Farmer 32(4,i.e.5):11. Feb.1953. 276.8 AL1

51318 ELIASSON, S. Crop and variety selection in the spring. (In Swedish.) Lantmannen 37:239-241. Mar. 14,1953. 11 L234
Grain.

51319 ENFIELD, G., and AMICK, W. R. Let's grow corn. Purdue U. Agr. Ext. B. 323,19 p. n.d. 275.29 In2E
4-H Club project.

51320 FAESSLER, P. Der anbau von winter- und sommerweizen. Grüne 81:280-284. (Cont.) Mar.13, 1953. 17 Sch9

51321 FAESSLER, P. Der anbau von winter- und sommerweizen. Grüne 81:313-316. (Concl.) Mar.20, 1953. 17 Sch9

51322 FAJERSSON, F. Our possibilities for improving the baking quality of wheat. (In Swedish.) Svensk Jordbrforsk. 1953:45-49. 11 J763

51323 FORLANI, R. Hybridization as a means of grain improvement. (In Italian.) Italia Agr. 90:107-118. Feb.1953. 16 It1

51324 FUKAZAWA, H. Rice culture in Southeast Asia—its natural environment and irrigation system. (In Japanese.) Nōgyō Sōgō Kenkyū 7:97-156. Jan.1953. 22.5 N687

51325 FUNAHASHI, Y. The field temperatures in winter-wheat culture following the paddy-rice. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:108-110. Nov.1952. 340.9 So1
English summary.

51326 GRIFFITHS, R. L. South Australian Championship Wheat Crop Competitions, 1952-53. So. Austral. Dept. Agr. J. 56:305-314. Feb.1953. 23 So84

51327 GUIMARÃES, A., and PIGNATARO, H. Report on wheats cultivated in Minas Gerais. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(11):60-65. Nov.1952. 9.2 M663
Varieties.

51328 HAECKER, V. Flache oder tiefe saat des sommergetreides? Württemb. Wchnbl. f. Landwirt. 120: 275-276. Mar.14,1953. 18 W96

51329 HAVE, D. J. VAN D. Hybrid corn. (In Dutch.) Zaadbelangen 7:55-57. Mar.16,1953. 61.8 Z1

51330 HELTEMES, C. J., and ORVOLD, L. W. Kindred barley gains in favor. N. Dak. Agr. Expt. Sta. Bimon. B. 15:180-181. Mar./Apr.1953. 100 N813B

51331 HUBER, L. L., and SCHAAF, H. M. Drought tolerant corn hybrids promise higher yields in Pennsylvania. Pa. Agr. Expt. Sta. B. 553(sup.2):3-4. Mar.1953. 100 P381

51332 INMAN, W. D., and MONTGOMERY, G. A. 100-bushel corn without rotation. Capper's Farmer 64(4): 32,70,72. Apr.1953. 6 M693
Culture and fertilizers.

51333 JONES, J. W., and others. Rice varieties and their yields in the United States, 1939-50. U. S. D. A. C. 915,28 p. Ref. Mar.1953. 1 Ag84C
C. R. Adair, H. M. Beachell, N. E. Jodon, and A. H. Williams, joint authors.

51334 KLITSCH, C., and SEIFFERT, M. Wenn die brotgetreidebestellung witterungsbedingt gefährdet ist. Deut. Landwirt. 4:10-14. Jan.1953. 18 D4822
Russian Zone.

51335 KOPTEV, G. S. Large-scale scientist-breeder. (In Russian.) Selek. i Semen. 20:45-48. Jan.1953. 61.9 Se5
Wheat varieties of V. E. Pisarev.

51336 LACROIX, L. La culture du mais-grain. Rev. de l'Agr. 6:283-303. Mar.1953. 13 R322

51337 LAROSE. La culture de l'orge de printemps en Belgique. Sillon Belge 23(550)1,6;(551):12. Mar.7-14, 1953. 13 Si3

51338 LASSER, E. Ergebnisse der getreidesorten-versuche des anbaujahres 1951/52. Kärntner Bauer 103: 129-130. Mar.22,1953. 19 K14

51339 LECHNER, L. Klarheit um den "deutschen reis." Landwirt. Wchnbl. 143:439-440. Apr.4,1953. 18 L2338

51340 LISTOWSKI, A., and KOWNACKA, M. Influence of the time of seeding on the development of oats. (In Polish.) Rocz. Nauk Roln. 62:5-17. 1952. 20.5 R59
English summary.

51341 LOIBL, L. Sommergetreidesorten. Bauer 6(11):10-12. Mar.14,1953. 19 B32
Austria.

51342 MCFARLANE, G. C. Wheat-cropping practices on the North-Western Slope. Agr. Gaz. N. S. Wales 64: 14-16,47-50. Jan.1953. 23 N472

51343 MARIE, R., DENOY, I., and EKOLLO, A. La rizière du Merle en 1952. Prog. Agr. et Vitic. Apr.5/12: 218-220. (Cont.) 14 P94

51344 MARKOWSKI, A. Laboratory methods of the winter resistance tests of winter wheat. (In Polish.) Rocz. Nauk Roln. 65:71-113. Ref. 1952. 20.5 R59
English summary.

51345 MARZI, G. DE. Current technical problems in the field of corn culture. (In Italian.) Mondo Agr. 4(12): 3,6. Mar.22,1953. 16 M74
Italy.

51346 MES, M. G. On possible cultural methods of speeding up breeding experiments with maize. I. The influence of length of day, night temperature and vernalization on flowering. So. African J. Sci. 49:221-224. Feb. 1953. 515 So84

51347 MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. Corn hybrids and varieties; 1952 tests in Mississippi. Miss. Agr. Expt. Sta. B. 498,16 p. Jan.1953. 100 M69

51348 MOISEENKO, V. Improving the quality of wheat seeds having a low rate of germination due to injury. (In Russian.) Selek. i Semen. 19(12):46-51. Dec. 1952. 61.9 Se5
Use of Granosan.

51349 MONTANARI, V. The cultivation of hybrid corn in the agricultural district of Venetia. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 3(5):10-17. Mar.1,1953. 287 V662

51350 MONTANARI, V. Cultivation of hybrid corn in the agricultural section of Venetia; results obtained and future possibilities. (In Italian.) Agr. delle Venezie 7:59-80. Feb.1953. 16 Ag826

51351 MULLER-IDZERDA, A. C. The planting time for corn approaches. (In Dutch.) Floralia 73:73-75. Mar. 18,1953. 80 F6613

51352 NAKAHARA, M., and MITSUTERA, M. Application of factor analysis to the yield of rice-crop experiments. 1. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:83-85. Nov.1952. 340.9 So1
English summary.

51353 NAKAHARA, M. One contribution to the features of the yields of the rice-crop in Hokkaido. 1. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:143-144. Nov.1952. 340.9 So1
English summary.

51354 NELSON, W. L., ELLIOTT, F. C., and BARMORE, M. A. Henry, a new variety of spring wheat for reseeding in hard red winter for the Big Bend. Wash. Agr. Expt. Sta. C. 211,2 p. Feb.1953. 100 W27S

51355 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Haver [Oats], 1953. Ber. over Rassenkeuze 139,4 p. Feb. 1953. 64.9 W12

51356 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Zomergerst [Spring barley], 1953. Ber. over Rassenkeuze 140,3 p. Feb.1953. 64.9 W12

51357 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Zomertarwe [Spring wheat], 1953. Ber. over Rassenkeuze 135,2 p. Feb.1953. 64.9 W12

51358 NICHOLSON, G. Wheat varieties recommended for 1953 sowing. Agr. Gaz. N. S. Wales 64:3-5,42-47. Jan.1953. 23 N472

51359 NIETO GARCIA, J. Siembras tardias. Cult. Mod. 36(2):59. Feb.1953. 15 C89
Grain.

51360 OLSON, P. J. Spring sown grain. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:73-84. 1952. 79.9 N81R
Reaction to herbicides.
Includes abstracts of cooperators' reports.

51361 PAATELA, J. Tärkeimmät viljalajikkeemme ja niiden viljelyalueet. The most important varieties of cereals grown in Finland and their growing areas. Suomen Maataloustiet. Seura. Julkaisu. 80(1),78 p. Ref. 1953. 20 Su7
English summary.

51362 PAINE, K. E. You can grow 100-bushel corn crops. East. States Coop. 29(4):6-7. Apr.1953. 280.28 Ea7

51363 PAP, E. Die züchtung von hybridmais. Acta Agron. [Budapest] 2:291-307. Ref. 1952. 19 Ac8
English summary.

51364 PECHERSKAÍA, S. L. Experience of a kolkhoz-experimenter in improving the quality of pedigree seeds. (In Russian.) Selek. i Semen. 19(12):67-68. Dec.1952. 61.9 Se5
Breeding wheat.

51365 PLAUT, M., and VENTURA, J. Summer cereal varieties in Israel. (In Hebrew.) Hassadeh 33:196-197. (Concl.) Jan.1952. 26 H27

51366 POPOW, G. Der anbau von körnermais im Mittelland. Grüne 81:285-287. Mar.13,1953. 17 Sch9
Switzerland.

51367 RAMIAH, K. Double cropping of rice in Cuttack, Orissa. Madras Agr. J. 40:7-10. Jan.1953. 22 M262

51368 REITERER, M. Welche maissorte soll ich anbauen? Kärntner Bauer 103:130-131. Mar.22,1953. 19 K14

51369 RIEBE, K. Sofort-drusch oder winter-drusch? Deut. Landwirt. Presse 76:71-72. Mar.21,1953. 18 D482

51370 ROLET, R. Champs de comportement de mais en 1952 dans l'Hérault. Prog. Agr. et Vitic. Apr.5/12: 213-217. 14 P94

51371 ROLET, R. Champs de comportement de mais en 1952 dans l'Hérault. Prog. Agr. et Vitic., Mar.29,1953: 183-187. 14 P94

51372 ROSS, W. M., and FOWLER, W. L. Cereal crops breeding and production. Kans. Agr. Expt. Sta. C. 289:10-15. Sept.5,1952. 100 K13S

51373 ROUART, S. Intérêt des sorghos à grains. Rev. Agr. de l'Afrique du Nord 51:334-335. Mar.27,1953. 80 R326

51374 RUTHER, H. Verschiedene aussaat-methoden zu getreide. Deut. Landwirt. 4:73-76. Feb.1953. 18 D4822
Russian Zone.

51375 SAMPIETRO, G. Problems of rice culture. (In Italian.) Conv. Naz. della Risicolt. Atti Uffic. 1:58-77. 1952. 59.9 C7623
Includes discussion.

51376 SANDFAER, J. Studies on the basis of selection for yield in cereal crops; the importance of tillering and number of heads in oats and barley. Denmark. Vet.- og Landbohøjsk. Årsskr. 1953:1-14. 104 D41A

51377 SASKATCHEWAN CEREAL VARIETY COMMITTEE. Varieties of grain crops for Saskatchewan 1953. n.p.,1953. 8 p.-folder. 59.9 Sa742

51378 SCHMIDT, J. W., and others. Progress of Agroticum breeding in Kansas. Kans. Acad. Sci. Trans. 56:29-45. Ref. Mar.1953. 500 K13T
E. G. Heyne, C. O. Johnston, and E. D. Hansing, joint authors.
Includes breeding for disease resistance.
Agropyron-Triticum hybrid.

51379 SOLÍANKO, G. I. More attention should be given to seeds of grain crops. (In Russian.) Selek. i Semen. 20:31-33. Jan.1953. 61.9 Se5

51380 SOUSA, J. S. I. DE. Origin of some Brazilian wheats. (In Portuguese.) Chacaras e Quintais 87:194. Feb.15,1953. 9.2 C34

51381 SOUZA, A. O. DE. International Rice Commission. (In Portuguese.) Lav. Arroz. 6(73):3-4,6-8,10-21. (Concl.) Jan.1953. 59.8 L39

51382 SPEARS, B. R., ROGERS, J. S., and MCAFEE, T. E. Corn silage studies at College Station, Temple and Tyler, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1545,5 p. Feb.8,1953. 100 T31P
Silage and grain yields.

51383 STEWART, P. Can we grow corn in wider rows? Nebr. Farmer 95(6):7,56. Mar.21,1953. 6 N27

51384 STRAND, E. Grain trial news before spring tillage. (In Norwegian.) Samvirke [Oslo] 48:118-122. Mar.1,1953. 280.28 Sa4

51385 STRINGFIELD, G. H., and HAYNES, J. L. W-i-d-e-r corn rows. Ohio Farm & Home Res. [Ohio Sta.] 38:20,34-35. Mar./Apr.1953. 100 Oh3S

51386 STROHM, J. Four ways to boost your corn yield. Country Gent. 123(4):38-39. Apr.1953. 6 C833
Culture and plant food.

51387 TEAKLE, L. J. H. The future of wheat growing in Australia. (Excerpts.) Power Farming 62(2):1,3, 116-118. Feb.1953. 58.8 P87

51388 THROCKMORTON, R. I. Reminiscence of varietal changes in Kansas wheat and their relation to wheat quality. Amer. Assoc. Cereal Chem. Trans. 2:13-19. Feb.1953. 59.9 Am3T

51389 TOMASI. Saatgutbeschaffung im frühjahr. Salzburger Bauer 8(8):10. Feb.19,1953. 19 Sa3
Varieties of grain and potatoes to plant.

51390 TUIN, W. Experiences with corn culture. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:63-68. 12 N38Vg

51391 VALDEYRON, M. G. La production contrôlée de semences d'une variété de blé dur par la Coopérative de Semences de Tunisie. Colon Franç. de Tunisie (ser.7) 46(2262):1,3. Feb.21,1953. 24 C712

51392 VALLE, C. G. DEL. La obtención de un híbrido de maiz comercial en Cuba. Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 21:173-186. Jan.1953. 410.9 So15

51393 WERNECK, H. L. Getreidereste aus dem norischen königreiche ausgrabungen vom Magdalensberg/St. Johann am Brückl in Kärnten (200 v. Chr.—50 n. Chr.) Bodenkultur 6:277-280. 1952. 19 B635

51394 WHITE, A. L. The West has a lot to learn about corn, but one thing is certain: we can grow it! West. Dairy J. 9(6):20-21,23-25. Apr.1,1953. 44.8 W524

51395 WHITLOW, S. Hybrid grain sorghums are on the way. Farmer-Stockman 56(4):21. Apr.1953. 6 Ok45

51396 WOODWARD, R. W. Growing newer varieties will result in increased yields of spring grains in Utah. Farm & Home Sci. [Utah Sta.] 14(1):5,22-23. Mar.1953. 100 Ut1F

51397 WOODWARD, R. W. Miracle wheats a delusion. Farm & Home Sci. [Utah Sta.] 14(1):24. Mar.1953. 100 Ut1F

51398 ZARAMENSKII, V. Growing hull-less grain crops for swine fattening. (In Russian.) Mîasnaîa Indus. SSSR. 24:66-67. Jan./Feb.1953. 50.8 M58
Naked barley and oats.

51399 ZUBER, M. S. 1952 yield trials with corn hybrids in Missouri. Mo. Agr. Expt. Sta. B. 592,24 p. Jan.1953. 100 M693

51400 ZWEIFEL, J., and KELLER, C. L'orge de printemps Herta. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:9-11. Feb.1953. 17 J82A

Fiber Crops

51401 AFZAL, M. Musings of a cotton breeder. Pakistan Cotton B. 1(2):4-8. Oct.1952. 72.8 P17

51402 ANSARI, M. A. A., and QARI, F. M. A. Extension of M-4 cotton (N. T. Sind) in Sind and beyond. Pakistan Cotton B. 1(2):10-15. Oct.1952. 72.8 P17

51403 ANSARI, M. A. A., and HAQ, S. Story of Comilla cotton. Pakistan Cotton B. 1(5):4-17. Jan.1953. 72.8 P17

51404 BALASUBRAHMANYAN, R. Cotton research in Madras—a retrospect. Madras Agr. J. 40:24-27. Jan. 1953. 22 M262

51405 BALASUBRAHMANYAN, R., and KANNIYAN, K. Vegetative propagation of cotton. Indian Cotton Growing Rev. 6:184-186. Oct.1952. 72.8 In23

51406 BROWN, C. H. Cotton production in the French Union. Internatl. Cotton B. 21(81):18-20. Feb.1953. 72.8 In8

51407 CARVER, A. Fibre crops. Fiji. Dept. Agr. Agr. J. 23(2):11-13. June 1952. 25 F47Ag
A list of plants with their nomenclature and uses.

51408 DEMKIN, A. P., and ASTAKHOVA, A. V. Modern organization of hemp seed growing. (In Russian.) Selek. i Semen. 19(12):21-29. Dec.1952. 61.9 Se5

51409 DRAHORAD, F. Warum flachs bauen? Salzburger Bauer 8(13):16-17. Apr.2,1953. 19 Sa3

51410 FROIER, K. Regional alterations of the Swedish fibre flax area 1940 up to 1952. (In Swedish.) Lin 7:1-10. Jan./Feb.1953. 73.18 L63
English summary.

51411 JOHNSON, S. E. Cotton in balanced farming. Washington,U. S. Ext. Serv.,1953. 1 p. 1.913 A2C823

51412 JONES, L. I. A cotton educational program. Amer. Cotton Cong. Proc. 13:16-22. 1952. 72.9 C825
Culture.

51413 KENNERLY, A. B. It's more than planting cotton. Acco Press 32(4):8-9. Apr.1953. 6 Ac2

51414 LEHNER, R. Gedanken zum flachsanbau. Kärntner Bauer 103:101. Mar.15,1953. 19 K14

51415 LETT, L. Utilizing weather information in cotton production. Cotton Gin & Oil Mill Press 54(8):11-12. Apr.11,1953. 304.8 C822

51416 MCGREGOR, S. Cotton research in Texas. Amer. Cotton Cong. Proc. 13:70-79. 1952. 72.9 C825

51417 MARANI, A. Flax growing for fibre. (In Hebrew.) Hassadeh 33:199-200. (Concl.) Jan.1952. 26 H27

51418 MEYER, J. R. Species, the raw material for future cotton. Miss. Agr. Expt. Sta. C. 172,7 p. Apr. 1952. 100 M69

51419 MINAS GERAIS. DEPT. DE PRODUÇÃO VEGETAL. SERV. ESPECIAL DA CULTURA DO ALGODÃO. Practical instructions on cotton harvesting. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(11):77-78. Nov.1952. 9.2 M663

51420 NEDERLANDS VLASINSTITUUT. Vezelvlas [Fiber flax], 1953. Ber. over Rassenkeuze 143,4 p. Feb. 1953. 64.9 W12

51421 PATEL, G. B., and PATEL, C. T. Long stable cotton from hybrid seed of crosses between 'hirsutum' and 'barbadense' species. Indian Cotton Growing Rev. 6:205-210. Oct.1952. 72.8 In23

51422 RAY, L. L., and JONES, D. L. Cotton variety tests at Lubbock, 1947-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1564,4 p. Mar.14,1953. 100 T31P

51423 ROBERTS, J. E., and KILLOUGH, D. T. Cotton variety tests, Main Station Farm, 1948-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1566,5 p. Mar.19,1953. 100 T31P

51424 ROSE, M. F., and HUGHES, L. C. The Empire Cotton Growing Corporation in Africa. Empire Cotton Growing Rev. 30:104-109. Apr.1953. 72.8 Em7

51425 SETZER, J. Tentative correlation between cotton crops and rainfall in Sete Lagoas. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(11):7-13. Nov.1952. 9.2 M663
English summary.

51426 SHAW, B. T. Research horizons for cotton. Washington,U. S. Agr. Res. Admin.,1953. 13 p. 1.98 Sh2
Talk before the Midsouth Gin Supply Exhibit, Memphis, Mar. 24, 1953.

51427 SLUIS, P. M. VAN DER. The El Ghab Valley in Syria. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:30-35. (Cont.) Feb.1953. 12 N282
Cotton culture and livestock farming.

51428 STAROV, P. Luxuriant vegetative growth of cotton and measures for its control. (In Russian.) Khlopkovodstvo 12:22-29. Dec.1952. 72.8 K522

51429 TERESHKIN, G., and GUSHCHIN, B. Cotton selection process in the Azerbaidzhan and Armenian SSRs. (In Russian.) Khlopkovodstvo 12:30-41. Dec. 1952. 72.8 K522

51430 TISDALE, H. B., and others. Rates and methods of planting fuzzy, reginned and acid delinted cotton seed. Ala. Agr. Expt. Sta. L. 37,7 p. Mar.1953. 100 AL1S
J. T. Williamson, J. T. Cope, and I. F. Reed, joint authors.

51431 VERA TUDELA, J. Fecha de siembra del algodonero en el Valle del Chira. Vida Agr. [Lima] 30 (350):21,23,25,27,29-32. Jan.1953. 9.8 V66

51432 ZAKHIDOV, T. Z. Scientists of Soviet Uzbekistan—for the fifth Five-Year Plan. (In Russian.) Priroda 42(2):53-55. Feb.1953. 410 P933
Cotton research chiefly.

Forage Crops and Grasses

51433 ADAMS, V. Know about coastal Bermuda [Cynodon dactylon]? Farm J. South. Ed. 77(5):59-60. May 1953. 6 F2212S

51434 AHRER, K. Feldfutterbau und fruchtfolge im Mühlviertel. Bauer 6(7):3-4. Feb.14,1953. 19 B32

51435 ALBEE, L. Prairie cordgrass (Spartina pectinata). S. Dak. Stockgrower 7(3):12B. Apr.15,1953. 49 So84

51436 ANGELL, J. Fodder beet is good, it has solved our pig feeding problems. Farmer & Stock-Breeder 67(3309):61,63. Mar.24,1953. 10 F228
Chiefly culture.

51437 ARBEITSGEMEINSCHAFT ZUR FÖRDERUNG DES FUTTERBAUES. Tätigkeitsbericht für das jahr 1952. Arbgemeinsch. z. Förd. des Futterbaues. Mitt. 40, 48 p. 1952. 60.9 Ar1

51438 ARSENAULT, L. Il n'est pas bon qu'une herbe soit seule. Foyer Rur. [Montreal] 12(5):10,20. Mar.1953. 7 F83

51439 BADEN, W. Das moorgrünland im "grünland." Grünland 2:9-12. Feb.1953. 18 G922
Germany.

51440 BAIKO, V., and VASIL'EVA, K. Influence of planting time upon crop of perennial grasses. (In Russian.) Selek. i Semen. 19(12):39-46. Dec.1952. 61.9 Se5

51441 BAILEY, R. Y. Planning can avoid parched pastures. Prog. Farmer, Ga.-Ala.-Fla. Ed. 68(4):22-23. Apr.1953. 6 P945G

51442 BALDWIN, H. W. Grass is a world crop. Windrow 3:9-11. Feb.1953. 60.13 W72
Introduction of grasses into the United States.

51443 BAUMANN, H., and KREIL, W. Intensivierung der grünlandwirtschaft durch gemeinsame nutzung der milchviehweiden. Deut. Landwirt. 4:68-73. Feb.1953. 18 D4822
Russian Zone.

51444 BAUMGART, S. Advantages of natural pasture. (In Hebrew.) Hassadeh 33:238-241. Jan.1952. 26 H27

51445 BERNHARDSEN, G. Some investigations about the work in connection with the thinning of root-crops. (In Norwegian.) Norges Landbrhøgsk. Meld. 32:253-312. Ref. 1952. 104 N762M
English summary.

51446 BRACONNIER, R. Problèmes agronomiques concernant la production fourragère. Mach. Agr. Franç. 1:11,13. Jan.1952. 58.8 M184

51447 BROWN, B. A. How green are your pastures? Rur. New-Yorker 103:242 254-255. Apr.4,1953. 6 R88
Management.

51448 BROWN, B. A., and MUNSELL, R. I. Small grains for fall pasture. Conn. (Storrs) Agr. Expt. Sta. B. 294,18 p. Nov.1952. 100 C76S

51449 BROWN, L. Caucasian bluestem (Andropogon intermedius var. caucasicus). Kans. Acad. Sci. Trans. 56:46-52. Mar.1953. 500 K13T

51450 BRUNNER. Aufgaben und möglichkeiten zur ertragssteigerung aus grünland und futterbau. Landwirt. Z. der Nord-Rheinprov. 120:317-318. Mar.14,1953. 18 L2344

51451 BRUNNER. Welche klee-grasmischungen sind für uns geeignet? Württemb. Wchnbl. f. Landwirt. 120: 222. (Concl.) Feb.28,1953. 18 W96

51452 BUDDE. Das konservative grünland. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:475-476. Mar. 19,1953. 18 L2346

51453 BURZLAFF, D. F. Range survey of the Bighorn National Forest (1952). Progress report. II. Wyo. Range Mangt. 57,23 p. Apr.1953. 60.19 W99

51454 CALDART, F. Mountain pastures in Belluno Province. (In Italian.) Monti e Boschi 4:3-12. Jan.1953. 16 M76
English summary.

51455 CARLSON, C. E. Madison vetch. Colo. Rancher & Farmer 7(7):1,37. Apr.11,1953. 6 C714

51456 CARLTON, M. W. Johnson grass [Sorghum halepense]—friend or foe? Prog. Farmer, Tex. Ed. 68(4): 20,176. Apr.1953. 6 T311

51457 CARRANTE, V. Notes on autumn-winter grasses in Apulia and Lucania. (In Italian.) Tec. Agr. 5:13-18. Jan./Feb.1953. 16 T22
Forage plants.

51458 CASADY, A. J. Sudangrass [Sorghum vulgare sudanense] tepary bean, safflower and sweetclover investigations. Kans. Agr. Expt. Sta. C. 289:16-21. Sept.5, 1952. 100 K13S

51459 CHAFFIN, W. Sorghums for grain and forage. Okla. Agr. Col. Ext. C. 478,20 p. n.d. 275.29 Ok41C

51460 CHAVANCY, A., DEMPSEY, J., and DURAND, L. Expérimentation sur les plantes fourragères en 1947, 1948, 1949, 1950, 1951. Arch. des Rech. Agron. au Cambodge, au Laos, et au Viêtnam 15,80 p. 1952. 22.5 Sa22

51461 CHILDERS, L. E. It's time to think about pastures. Turkey World 28(4):16-17,69-70. Apr.1953. 47.38 T84

51462 CHRISTOPH. Höhere grünlanderträge. Deut. Bauern Kal. 1953:130-131. 18 D4826
Russian Zone of Germany.

51463 COLLIER, C. P. Two-story farming on hillside proves profitable. Ala. Farmer 32(4,i.e.5):4. Feb. 1953. 276.8 AL1
Growing of honey locust and Lespedeza cuneata for feed.

51464 CONTACTGROEP OPVOERING PRODUCTIVITEIT. De lucernebouw in Amerika; rapport Studiegroep Landbouw [Alfalfa culture in America; report of an Agricultural Study Group]. 's-Gravenhage,1952. 86 p. 60.3 C762

51465 CORKILL, L. Pasture plant breeding. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:255. 1951,pub. 1952. 90.09 R81R

51466 DAVIES, W. Composition and value of ley farming. Stafford,Eng.,Mort,1952. 11 p. 60.1 D28

51467 DAVIES, W. Grassland research and the Nation Agr. Ireland 10:81,83,85. (Cont.) Apr.1953. 10.5 Ag8

51468 DEE, W. E. Louisiana farmers build better pastures. Amer. Tung News 4(4):12-13. Apr.1953. 307.8 Am33

51469 DESCLAUDE, G. Fumures et coupes précoces constituent les facteurs clés de l'amélioration de la valeur nutritive des fourrages. Paysan Franç. 28:13-15. Feb.1953. 14 P29

51470 DEVÎATAK, A. U., and NEVÎADOMSKAÎA, N. V. Experience with grasses in a specialized seed kolkhoz. (In Russian.) Kormovaîa Baza 4(2):16-19. Jan.1953. 60.8 K84

51471 DOVRAT, A. Ryegrass for pasture and fodder. (In Hebrew.) Hassadeh 33:197-199. Jan.1952. 26 H27

51472 DUCLOS, B. H. Pâturages et fourrages tropicaux. 1. Paris,1952. 88 p. 60.1 D852

51473 DUDLEY, D. I. Don't overlook Bermuda grass [Cynodon dactylon]. Prog. Farmer, Tex. Ed. 68(4):23, 174. Apr.1953. 6 T311

51474 DUGAT, G. Buffel grass is exciting more and more talk among ranchers. Tex. Livestock J. 12(3):6, 48-50. Mar.1953. 49 T29

51475 ELSUKOV, M. P. Expansion of crop forage annual planting. (In Russian.) Kormovaîa Baza 4(2):29-32. Jan.1953. 60.8 K84

51476 FADEEVA, T. S., and NIKOL'SKAÎA, L. G. Influence of preliminary mowing of clover upon its growth and seed production. (In Russian.) Selek. i Semen. 20: 49-56. Jan.1953. 61.9 Se5
To delay blooming.

51477 FAGERLUND, N. T. Our forage plant culture. (In Swedish.) Mjölkpropagandan 30:67-68. Mar.1953. 44.8 M692

51478 FALLER. Die futteranbaugebiete Südbadens. Bauern-Ztg. 6(11):5. Mar.20,1953. 18 B324

51479 FLEMING, D. Chemical curing aids combining; increases alfalfa seed yields. What's New Crops & Soils 5(7):23. Apr./May 1953. 6 W55

51480 FRENMULLER, H. Leistungssteigerung des futterbaues auf niedermoor durch kleegrasbau. Landwirt. Wchnbl. 143:356,361. Mar.21,1953. 18 L2338

51481 GALINDO, A. El guisante torrajero. Cult. Mod. 36(2):57-58. Feb.1953. 15 C89

51482 GANDHI, R. T., and DABADGHAO, P. M. Ensuring uniform supply of green fodder throughout the year. Indian Farming (n.s.)2(10):23-25. Jan.1953. 22 In283

51483 GERDES, G. Untersuchungen über das absolute gewicht (tausendkorngewicht) der wichtigsten futtergräserarten und ihrer sorten im hinblick auf die leistungen der gräserzüchtung. Züchter 22:353-366. Ref. 1952. 442.8 Z8

51484 GMELIN. Frühe grünfutternutzung. Tierzüchter 5:144-145. Mar.20,1953. 49 T445
Forage plant culture.

51485 GMELIN. Die weide ist die natürlichste form der grünlandnutzung. Württemb. Wchnbl. f. Landwirt. 120:277-278. Mar.14,1953. 18 W96

51486 GROMER. Die bergweiden im Südschwarzwald. Bauern-Ztg. 6(12):6. (Concl.) Mar.27,1953. 18 B324

51487 GROOT, H. DE. Grassland in a wet spring. (In Dutch.) Landbode 7(11):7. Mar.12,1953. 12 L234
Netherlands.

51488 GROSS, D. L. Legumes for better farming. Nebr. Agr. Col. Ext. E. C. 196,8 p. Mar.1952. 275.29 N272Ex

51489 HAYNES, J. Band seeding—key to better legume stands. Successful Farming 51(4):38-39,90. Apr. 1953. 6 Su12

51490 HAYNES, J. L., and THATCHER, L. E. Band seeding. Ohio Farm & Home Res. [Ohio Sta.] 38:27-28. Mar./Apr.1953. 100 Oh3S
Seeding legumes.

51491 HILLS, L. D. Hope from the wild lupin [Lupinus nootkatensis]. Field 201:587. Apr.9,1953. 10 F45
As a forage plant and soil enricher in Scotland.

51492 HODGSON, H. J., WILDER, W. B., and OSGUTHORPE, J. E. Alaskland red clover. Alaska. Agr. Expt. Sta. C. 20,6 p.-folder. Feb.1953. 100 AL122E

51493 HOVELAND, C. S. Perennial warm-season grasses in the Winter Garden. Tex. Agr. Expt. Sta. Prog. Rpt. 1562,2 p. Mar.10,1953. 100 T31P
Winter Garden Experiment Station.

51494 HUBER. Der hackfruchtbau in der frühjahrsbestellung. Landwirt. Z. der Nord-Rheinprov. 120:353-354. Mar.21,1953. 18 L2344

51495 HULL, H. J. Revolución en los pastos. Mensajero Agr. 78:33-34. Dec.1952. 9.8 M52
Management.

51496 HUMPHREY, R. R., BROWN, A. L., and EVERSON, A. C. Common Arizona range grasses; their description, forage value and management. Ariz. Agr. Expt. Sta. B. 243,102 p. Ref. Nov.1952. 100 Ar4

51497 HUSEMANN, C. Die auelehmböden im mittellauf der leine; möglichkeiten der leistungssteigerung bei ihrer nützung als grünland. Hannoversche Land- u. Forstwirt. Ztg. 106:368-369. Mar.21,1953. 18 H194

51498 JACKMAN, E. R. One grass, one legume, are enough; not extra species, but extra water and fertilizer will shift our pastures into high gear. Farm J. West. Ed. 77(5):59-60. May 1953. 6 F2212W

51499 JOHNSON, G. D. Seed clover in corn this year. Successful Farming 51(5):48-49,114-116. May 1953. 6 Su12

51500 JONES, J. L. New grass for a mountain. Farmers Wk. [London] 38(13):73,75. Mar.27,1953. 10 F2226
Grass improvement program on the upland sheep farms of Wales.

51501 JORIS. Einige lehren aus mehrjährigen weideertragsermittlungen. Grünland 2:17-19. Mar.1953. 18 G922

51502 KELLER, H. Beobachtungen und erfahrungen 1952 im Kärntner unterland. Kärntner Bauer 103:51-53. Feb.15,1953. 19 K14
Forage plants.

51503 KHAMPAKULOV, D. Ü. Experiments in organizing a forage base at the Karakul [sheep] breeding sovkhoz of "Ulus." (In Russian.) Karakulevodstvo i Zverovodstvo 6:37-40. Jan./Feb.1953. 49 K14

51504 KIFFMANN, R. Die wegerich-(Plantago)-arten auf dem Allgäuer dauergrünland. Allgäuer Bauernbl. 21: 194-195. Mar.26,1953. 18 AL53

51505 KILLINGER, G. B. The Florida pasture outlook. Better Crops Plant Food 37(3):24-26,45-46. Mar. 1953. 6 B46

51506 KITZLER, K. Die pflege der wiesen im frühjahr. Landwirtschaft 5/6:84-85. Mar.1953. 19 L235
Austria.

51507 KLIMOV, L. I. Influence of pollination by bees upon the crop of sainfoin seeds. (In Russian.) Selek. i Semen. 19(12):70. Dec.1952. 61.9 Se5

51508 KLUNGSETH, R. Root crop acreages are decreasing—but does not "the water rich concentrated feed" deserve a better faith? (In Norwegian.) Buskap og Avdrått 5:45-48. 1953. 49 B96
Culture of root crops for forage.

51509 KONEKAMP, A., and BLATTMANN, W. Der weg zur intensivweide. Illus. Beilage 3:21-28. In Deut. Landwirt.-Gesell. Mitt. 68(12). Mar.19,1953. 18 N39

51510 KONIG, G. Züchtungserfolge bei weissklee. Grünland 2:14-16. Feb.1953. 18 G922

51511 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 6(11):15. (Cont.) Mar.20, 1953. 18 B324
Germany.

51512 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 6(12):8. (Cont.) Mar.27, 1953. 18 B324
Germany.

51513 KRIJNEN, H. Haymaking and hay. (In Dutch.) Doelmatige Veehouderij 1:67-70. May 1952. 49 D67

51514 KRIPP, H. VON. Grünlandwirtschaft des kaninchenzüchters. Osterr. Kleintierzüchter 8:41. (Cont.) Mar.1953. 49 Os7
Pasture management.

51515 KUSATZ, H. Die "Rosa beta." Bauer 6(13): 8-9. Mar.28,1953. 19 B32
For feed.

51516 LA ROCHE, W. VON. Rund um die weide. Deut. Landwirt.-Gesell. Mitt. 68:225-226. Mar.5,1953. 18 N39

51517 LA ROCHE, W. VON. Weidevorbereitung im frühjahr. Landwirt. Wchnbl. 143:402-403. Mar.28,1953. 18 L2338

51518 LONGHURST, W. M. Planting to reduce deer damage; deer show preference for Sweet Sudan and vetch during tests with green summer forage for sheep. Calif. Agr. [Calif. Sta.] 7(2):4,15. Feb.1953. 100 C12Cag

51519 LOVE, R. M., and SUMNER, D. C. Rose clover, new winter legume, will grow in soils where practically no other plants survive. Seed World 72(7):8, 10. Apr.3,1953. 61.8 Se52

51520 LUTZ, M. Schadet das beweiden der wiesen im frühjahr? Deut. Landwirt.-Gesell. Mitt. 68:309-310. Mar.26,1953. 18 N39

51521 MCVICKAR, M. H. Profits with pasture. Natl. Live Stock Prod. 31(6):14. Apr.1953. 280.38 N21
Management.

51522 MALM, A. The pastures. (In Norwegian.) Buskap og Avdrått 5:5-9. 1953. 49 B96

51523 MARTIN, B. Die sicherung der futtergrundlage. Deut. Bauern Kal. 1953:84-87. 18 D4826
Culture in the Russian Zone of Germany.

51524 MARTINELLI, D., and others. Guineagrass [Panicum maximum]. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):60. 41.9 So13
G. L. da Rocha, M. Becker, and M. E. de Lima, joint authors.

51525 MARTINELLI, D., and CORREA, H. S. Studies on pigeonpea. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):61. 41.9 So13

51526 MAUER, T. C. Kudzu keeps growing during droughts. Better Crops Plant Food 37(3):11-14,43. Mar. 1953. 6 B46

51527 MAZZONI, E. Civic uses in mountain zones. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(12):10-11. Dec.1952. 287 So5
Pasture rights.

51528 MEASEL, J. W. Year 'round grass, a fact in Arkansas. Livestock Wk. 7(17):14-14A,60,66,70,76. Feb.26,1953. 49 L753

51529 MEDINA BLANCO, M. Sobre el concepto, clasificación y mejora de prados. B. de Zootec. 8:363-370. Ref. Dec.1,1952. 41.9 So16
English summary.

51530 MEIJERS, P. G. Alfalfa variety and mowing test. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:61-63. 12 N38Vg

51531 MIEDEMA, R. P. H. Lupine seed production. I-II. (In Dutch.) Boer en Tuinder 7(317):3; (318):6. Mar.14-21,1953. 12 B632

51532 MOSTERT, J. W. C. Establishment of perennial grasses on old lands. Farming So. Africa 29(322):18-20, 33. Jan.1953. 24 So842

51533 MYERS, W. M. Grassland farming in Minnesota. Conserv. Volunteer 16(91):11-15. Jan./Feb.1953. 279.8 C765

51534 NARRAGANSETT alfalfa makes good. Research [R. I. Sta.] 3:15-16. Fall 1952. 100 R34R

51535 NIGGL, L. Die wiese—eine schatzkammer der landwirtschaft. Salzburger Bauer 8(9):7-8. Feb.26,1953. 19 Sa3

51536 NISHIMURA, S. Some microclimatic observations among rice plants, aimed at the consideration of sowing date of manure or forage legumes. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:111-113. Nov.1952. 340.9 So1
English summary.

51537 NISSEN, Ø. Forage plants. (In Norwegian.) Samvirke [Oslo] 48:127-128. Mar.1,1953. 280.28 Sa4
Culture.

51538 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Laying down land to grass. II. The clovers and seeds mixtures. North. Ireland. Min. Agr. Mon. Agr. Rpt. 27:328-332. Mar.1953. 256.13 Ag82M

51539 NULLMANN. Aufgaben und möglichkeiten des futterbaues und des grünlandes. Landwirt. Z. der Nord-Rheinprov. 120:357-358. Mar.21,1953. 18 L2344

51540 OHL, R. Beobachtungen über erfolgreichen kleeanbau in winterölfrucht. Deut. Landwirt. 4:81-82. Feb.1953. 18 D4822
Russian Zone.

51541 ORSI, S. A good grass for mixed pastures: Bromus inermis, Leysser. (In Italian.) Italia Agr. 90: 119-128. Feb.1953. 16 It1

51542 ORTEGA SADA, J. L. La alfalfa. Spain. Min. de Agr. Hojas Divulg. 22-52H,8 p. Nov.1952. 15 H68

51543 PAUL, W. R. C. Grasses and legumes. Trop. Agr. [Peradeniya] 108:191-193. July/Sept.1952. 26 T751
Varieties.

51544 PAVLOV, I. P. Evaluation of crops for green feed. (In Russian.) Kormovaîa Baza 4(2):33-39. Jan. 1953. 60.8 K84

51545 PETERSON, M. L., JONES, L. G., and OSTERLI, V. P. Birdsfoot trefoil in California. Calif. Agr. Expt. Sta. C. 421,15 p. Feb.1953. 100 C12S

51546 PETERSON, M. L., and OSTERLI, V. P. A pasture a day keeps losses away! What's New Crops & Soils 5(7):20-21. Apr./May 1953. 6 W55

51547 PETERSON, R. A. Forage plants in a Montana high altitude nursery. U. S. Forest Serv. North Rocky Mountain Forest & Range Expt. Sta. Res. Note 115,5 p. Feb.1953. 1.9622 N3R31

51548 RADOJCIN, M. An experiment with green lucerne. (In Serbo-Croatian.) Stočarstvo 6:433-440. Oct. 1952. 43.8 St6

51549 REYNOLDS, H. G., and SPRINGFIELD, H. W. Reseeding Southwestern range lands with crested wheatgrass [Agropyron cristatum]. U. S. D. A. Farmers' B. 2056,20 p. 1953. 1 Ag84F

51550 REYNTENS, H., and ANDRIES, A. Analyse botanique des prairies. (In Dutch.) Inst. pour l'Encour. de la Rech. Sci. dans l'Indus. et l'Agr. Compt. Rend. de Rech. 9:11-52. Jan.1953. 330.9 In7C
French summary.

51551 RIEWE, M. E., and SMITH, J. C. Seeding oats on established Dallis and Bermudagrass sod. Tex. Livestock J. 12(2):6,100. Feb.1953. 49 T29

51552 ROCASOLANO, C. La remolacha en la economia rural. Cult. Mod. 36:8-9. Jan.1953. 15 C89
Sugar beets in Spain.

51553 RUDE. Nur einwandfreie grassamen aussäen! Württemb. Wchnbl. f. Landwirt. 120:332-333. Mar.28, 1953. 18 W96

51554 SACHS. Wie verhalten sich die verschiedenen gräsersorten in mischungen? Grünland 2:20-21. Mar. 1953. 18 G922

51555 SAHL, E. Sicherung der aussaaten unserer kleearten. Deut. Landwirt.-Gesell. Mitt. 68:283-284. Mar.19,1953. 18 N39

51556 SAO PAULO. DEPT. DA PRODUÇÃO ANIMAL. SEÇÃO DE NUTRIÇÃO ANIMAL. Nutritive value of the principal national and foreign forage plants. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec. 1952 (spec.no.):62-63. 41.9 So13
List of grasses and legumes.

51557 SCHULTZE-GROBLEBEN, W. Das vernachlässigte grünland. Bad. Landwirt. Wchnbl. 120(13):300-301. Mar.28,1953. 18 B142

51558 SCHUMACHER, C. M. Abundance of forage if left to grow; quality hay when cut early. VI. Indiangrass. Nebr. Cattleman 9(8):64. Apr.1953. 43.8 N27

51559 SCHWIERING, K. Schafft wintergrünfutter! Landwirt. Z. der Nord-Rheinprov. 120:227. Feb.21, 1953. 18 L2344
Brussels sprouts.

51560 SILENKO, Z. V., and KUKHARCHUK, V. V. Planted pastures for sheep in the steppe zone of the northern Caucasus. (In Russian.) Kormovaîa Baza 4(2): 25-28. Jan.1953. 60.8 K84

51561 SILVA, M. N. DA. Preparation of hay from molassesgrass [Melinis minutiflora]. (In Portuguese.) Rev. Mil. de Remonta e Vet. 12:83-84. Apr./Sept.1952. 41.8 R3219
Brazil.

51562 SKAARE, S. Selection of alfalfa varieties. (In Norwegian.) Samvirke [Oslo] 48:131-132. Mar.1, 1953. 280.28 Sa4

51563 SLIFE, F. W. Canada [Cirsium arvensis] and perennial sow [Sonchus arvensis] thistle. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:1-3. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

51564 SMELTZER, G. G. Kings' [County] farmers like grassland farming. Nova Scotia Boys' & Girls' Club B. 16(2):1,8. Mar.1953. 275.28 N85

51565 SMITH, O. E., and HOLT, E. C. Forage crop variety tests. Tex. Livestock J. 12(4):8,54. Apr.1953. 49 T29

51566 SPRAGUE, M. A. Triple your pasture yields. Country Gent. 123(3):32-33,95. Mar.1953. 6 C833
Sodium trichloracetate acid in pasture renovation.

51567 SRINIVASAN, U. C. Cultivation of sorghum and maize as cattle feed in India. Indian Dairyman 5(2): 23-24. Feb.1953. 44.8 In282

51568 STEVENS, H. Overland oats. Idaho. Agr. Expt. Sta. C. 126,4 p. Mar.1953. 100 Id1

51569 STOESZ, A. D. Native grasses: better seed harvesting. What's New Crops & Soils 5(7):9-11. Apr./May 1953. 6 W55

51570 THEEL. Bleibt die weide das stiefkind der wirtschaft? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:479. Mar.19,1953. 18 L2346
Management.

51571 TOMASI, K. Die luzerne. Salzburger Bauer 8(12):4-5. Mar.19,1953. 19 Sa3
Culture.

51572 TULLER, W. H. Ditchbank pasturing and its benefits. Reclam. Era 39:75-76. Apr.1953. 156.84 R24
Pasture for sheep on irrigated ditch banks.

51573 VEIHMEYER, F. J. Hydrology of range lands as affected by the presence or absence of brush vegetation. Assoc. Internatl. d'Hydrol. Assemblée Gén. 3:226-234. Ref. 1951. 292.9 As7A

51574 VINE, R. Spreading clover seed on hill country through sheep. New Zeal. Farmer 73(26):4-5. Feb.26, 1953. 23 N484

51575 WILLIAMS, H. R. Recommended mixtures for timothy. Grower [London] 39:576. Mar.21,1953. 286.83 M34

51576 WITTEVEEN, H. J. Care of grasslands. (In Dutch.) Doelmatige Veehouderij 1:55-57. Apr.1952. 49 D67

51577 WOOLFOLK, E. J. Some observations on a white-tailed deer winter range in Idaho. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 116,4 p. Feb.1953. 1.9622 N3R31
Species of browse vegetation.

51578 WRAAE-JENSEN, H. Seed crop experiments 1952. (In Danish.) Dansk Frøavl 36:85-91. Apr.1,1953. 61.8 D23
Forage plants.

51579 ZERPA, H., and VILLALOBOS, H. Gramínea forrajera nueva en Venezuela, para la instalación de potreros, Brachiaria decumbens. Agron. Trop. [Maracay] 2:117-121. July/Sept.1952. 26 Ag87

Oil Crops

51580 ÅKERBERG, E. Experiments with seeding time for winter oil crops. (In Swedish.) Svensk Jordbrforsk. 1953:66-74. 11 J763

51581 ALBERT, A. R., and BRIGGS, G. M. If you grow soybeans on sandy soil. Wis. Agr. Col. Ext. Stencil C. 262,rev.,9 p. Nov.1952. 275.29 W75B

51582 ALLUE MORER, A. Un cultivo interesante, el ricino. Ceres [Valladolid] 18(200):11,13. Feb.1,1953. 15 C33

51583 BRYSSINE, P. Le tournesol,Helianthus annuus L. (famille des Composées). Terre Marocaine 27:39-43. Ref. Feb.1953. 24 T44

51584 CANO G., J. Cultivo del cacahuete en El Salvador. Cent. Nac. de Agron. C. Agr. 58,4 p. Nov.1952. 8 Sa54C

51585 CHOUARD, P. Problèmes nouveaux et perspectives nouvelles de la culture du ricin (une nouvelle forme de liaison entre l'agriculture et l'industrie, particulièrement pour les Territoires d'Outre-Mer. Acad. d'Agr. de France. Compt. Rend. 39:82-90. Jan.14/21, 1953. 14 P215Bc
Includes discussion.

51586 FROLOV, P. V. Best regional winter rape varieties. (In Russian.) Selek. i Semen. 19(12):32-38. Dec.1952. 61.9 Se5

51587 GEISER, S. Three ways to more beans. Successful Farming 51(5):148-150. May 1953. 6 Su12
Soybeans.

51588 KRASNITZKY, H. Olrettich als zwischenfrucht. Deut. Landwirt.-Gesell. Mitt. 68:235-236. Mar. 5,1953. 18 N39

51589 KUMAR, L. S. S., and GOKHALE, A. V. Natural cross pollination in Sesamum orientale, Linn., in the Bombay-Deccan. Poona Agr. Col. Mag. 43:99-101. Aug.1952. 22 P79

51590 LADEIRA, J. S. How we are producing castor-beans. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(11):79-81. Nov.1952. 9.2 M663

51591 LEMBKE, H. Der anbau von ölfrüchten. Deut. Bauern Kal. 1953:144-146. 18 D4826
Russian Zone of Germany.

51592 MITCHELL, W. G. Early runner, new peanut, provides three weeks earlier hogging off. South. Seedsman 16(4):39,47. Apr.1953. 61.8 So8

51593 MULDER, F. Oil flax as cover crop. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:70-71. 12 N38Vg

51594 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Blauwmaanzaad [Blue poppy seed], 1953. Ber. over Rassenkeuze 138,2 p. Feb.1953. 64.9 W12

51595 NEVZOROV, V. Agronomist-breeder on a kolkhoz. (In Russian.) Selek. i Semen. 19(12):66-67. Dec.1952. 61.9 Se5
A new variety of flax for oil.

51596 PALOU MEDINA, F. DE. P. El ricino, un nuevo cultivo de interés para los regadios aragoneses. Cam. Ofic. Sind. Agr. de Zaragoza. B. Mens. 57:12-13. Feb.1953. 15 Sa7

51597 ROCASOLANO, C. El ricino. Cult. Mod. 36(2):60-62. Feb.1953. 15 C89

51598 SCHWANZ, H. L. You can grow 50-bushel soybeans. Country Gent. 123(4):48,103-105. Apr.1953. 6 C833

51599 SMITH, P. E. Soybean varietal trials in Arkansas, 1949-52. Ark. Agr. Expt. Sta. Rpt. Ser. 36, 11 p. Feb.1953. 100 Ar42R

51600 U. S. REGIONAL SOYBEAN LABORATORY. Results of the cooperative uniform soybean tests, 1952. I. North Central States, compiled by J. L. Cartter, R. D. Osler, R. E. Lawrence, and C. J. Younger. U. S. Bur. Plant Indus., Soils & Agr. Engin. RSLM 166,96 p. Mar. 1953. 1.9 C49292Rs

51601 U. S. REGIONAL SOYBEAN LABORATORY. Results of the cooperative uniform soybean tests, 1952. II. Southern States, compiled by E. E. Hartwig and E. Bounds. U. S. Bur. Plant Indus. Soils & Agr. Engin. RSLM 165,100 p. Mar.1953. 1.9 C49292Rs

51602 WEST, H. I. Soys on the Gulf Coast. Soybean Digest 13(4):16-17. Feb.1953. 60.38 So9

Sugar Crops

51603 ARMER, A., and BURTCH, L. M. Skips, clumps and yields. Calif. Sugar Beet 1952:44-45. 66.9 C12

51604 BINDER, F. Erleichterung beim rübenbau durch monogermsaat. Allgäuer Bauernbl. 21:216. Apr.2, 1953. 18 AL53

51605 BUZACOTT, J. H. Types of Badila. Queensland Soc. Sugar Cane Technol. Proc. 20:103-110. 1953. 65.9 Q332

51606 CALIFORNIA BEET GROWERS ASSOCIATION. Association reports. Calif. Sugar Beet 1952:6-9,11,13, 15-18,31,39,51-52. 66.9 C12

51607 CHRISTIE, G. A. Lower Burdekin Sugar Experiment Station. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:126-129. Jan.1,1953. 65.9 Q3C

51608 FAURE, B. La betterave sucrière en Oranie. Rev. Agr. de l'Afrique du Nord 51:293-294. Mar.20,1953. 80 R326

51609 GOMES, P. New directions. (In Portuguese.) Bras. Açucareiro 40:727-729. Dec.1952. 65.8 B73
Sugarcane culture.

51610 HANAGAN, J. It's ridge planting for us! Crystal-ized Facts Sugar Beets 7(2):35-37. Spring 1953. 66.8 C88

51611 HEBERT, L. P., and MATHERNE, R. J. An analysis of results:field tests of important sugar cane varieties during recent years. Sugar J. 15(11):24-27. Apr.1953. 65.8 Su391

51612 KLOEPPEL, R. Ertrag und arbeitsaufwand verglichen. Landtechnik 8:114. Mar.15,1953. 58.8 L235
Sugar beets.

51613 KOSTRINSKI, J. Monthly sowings of sugar beet. (In Hebrew.) Hassadeh 33:203-204. Jan.1952. 26 H27

51614 KRAMER. Der zuckerrübenbau in der DDR in der vor- und nachkriegszeit. Z. f. die Zuckerindus. 3:19-21. Jan.20,1953. 65.8 D48
English summary.

51615 LONG, B. E. Cauca Valley Experiment Station. Sugar 48(4):39-41. Apr.1953. 65.8 F11

51616 NIXON, O. Bed plantings in the Texas area. Crystal-ized Facts Sugar Beets 7(2):37-38. Spring 1953. 66.8 C88

51617 PAATELA, J., ESKOLA, H., and MANTERE, M. On the possibility of producing sugar beet seed in Finland from beets overwintering in the field. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 25:23-34. 1953. 20 Su7M
English summary.

51618 PAO, T. P. Spacing and fertilizer experiments with different varieties of sugarcane at both autumn and spring planting time. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:83-145. Ref. Dec.1952. 65.9 F76R
English summary.

51619 QUEENSLAND CANE GROWERS' ASSOCIATION. Twenty-fifth annual conference; edited report of proceedings held at Bundaberg, 13th, 14th, 17th, 18th and 19th March, 1952. Brisbane,1952. 76 p. 281.3659 Q3

51620 RIRIE, D. Progress of sugar beet research at U.C. Calif. Sugar Beet 1952:38-39. 66.9 C12

51621 ROBINSON, P. T. Proper seed bed preparation—a must with high tonnage growers. Crystal-ized Facts Sugar Beets 7(2):7-8. Spring 1953. 66.8 C88

51622 SKINNER, S. O. A review of modern agricultural developments and the record 1952 crop in the Innisfail and Tully areas. Queensland Soc. Sugar Cane Technol. Proc. 20:119-121. 1953. 65.9 Q332

51623 SKUDERNA, A. W. Oxnard area thinning costs reduced. Calif. Sugar Beet 1952:50-51. 66.9 C12

51624 SUN, V. G., and LIU, P. D. Studies on the effect of pretreatment of sugarcane seed pieces. V. Pretreatment and planting time. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:53-82. Ref. Dec.1952. 65.9 F76R
English summary.

51625 TAIWAN. SUGAR EXPERIMENT STATION. PLANT BREEDING DEPT. Results of sugarcane variety tests during 1951-1952. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:17-52. Dec.1952. 65.9 F76R
English summary.

51626 TOLMAN, B. Change in seed size for '53. U & I Cult. 13:2-3. Mar.1953. 66.8 U12
Sugar beets.

51627 TUCKER, R. H. Bigger yields and how to get them. Crystal-ized Facts Sugar Beets 7(2):4-7. Spring 1953. 66.8 C88

51628 UTAH-IDAHO SUGAR CO. Report of experimental work for 1952. n.p.,1952. 57 p. 66.9 Ut1R

51629 WADLEIGH, C. H. Trends in sugar beet seed research. Calif. Sugar Beet 1952:34-35,37. 66.9 C12

51630 WIBHOLM, A. Segmented seed? (In Danish.) Tolvmandsbladet 25:65-66. Mar.1953. 11 T58

51631 ZWINGLI, W. Möglichkeiten der produktion zuckerreicher rüben. Schweiz. Landwirt. Monatsh. 31: 117-118. Mar.1953. 17 Sch93

Tobacco

51632 AKAIKE, S. Preliminary studies on the physical and chemical elements affecting the quality of leaf tobacco. (In Japanese.) Hatano Tobacco Expt. Sta. B. 36: 57-62. Ref. Mar.1952. 69.9 J27
English summary.

51633 AKAIKE, S. Studies on the physical and chemical elements affecting the quality of leaf tobacco. I. (In Japanese.) Hatano Tobacco Expt. Sta. B. 36:63-75. Mar. 1952. 69.9 J27
English summary.

51634 ANDERSON, P. J. Growing tobacco in Connecticut. Conn. (State) Agr. Expt. Sta. B. 564,110 p. Jan. 1953. 100 C76St

51635 BOWMAN, D. R., and NICHOLS, B. C. Burley tobacco leaf composition according to position on the stalk. Tenn. Agr. Expt. Sta. B. 229,15 p. Ref. Feb.1953. 100 T25S

51636 CHIKOV, P. V. Winter preparations to raise seedlings by principal tobacco growers of Abkhaz. (In Russian.) Tabak 13(6):44-46. Nov./Dec.1952. 69.8 T112

51637 CHIRKOVSKII, V. I. Question of increasing the crop and the quality of tobacco and makhorka. (In Russian.) Tabak 13(6):30-33. Nov./Dec.1952. 69.8 T112

51638 CROUSE, R. H. Aromatic tobacco production. Va. Agr. Col. Ext. B. 204,rev.,12 p. Mar.1953. 275.29 V81B

51639 GENNARI, G. The cultivation of tobacco in Parma. (In Italian.) Avvenire Agr. 61:63-66. Mar.1953. 16 Av9

51640 GONZÁLEZ SOL, R. El cultivo del tabaco. Agr. Venezol. 17(158):10-15. Dec.1952. 9.95 Ag8

51641 GRANT, K. T. Control of suckers on tobacco with maleic hydrazide. Canada. Expt. Farms. Serv. Tobacco Div. Lighter 23:15-16. Feb.1953. 286.89 C16

51642 HASLAM, R. J. Bigger yields from better tobacco varieties. Canada. Expt. Farms. Serv. Tobacco Div. Lighter 23:16-18. Feb.1953. 286.89 C16

51643 HUNT, R. The variety may make or break you. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68(2):20,28. Feb. 1953. 6 P945K
Tobacco.

51644 ĬAKOVYK, A. S. Biological fertilization characteristics in different tobacco varieties. (In Russian.) Tabak 13(6):51-53. Nov./Dec.1952. 69.8 T112

51645 JOGLAR RODRIGUEZ. Como seleccionar y conservar semilla de tabaco. P. R. Agr. Col. Ext. Fol. A-15,4 p. Dec.1952. 275.29 P96A

51646 LAFOND, J. A. La culture du tabac à fumer dans la région de Bone (Algérie). Rev. Internatl. des Tabacs 28:64-66. (Cont.) Mar.1953. 69.8 R324

51647 MAJIC, B. Les tabacs d'Istrie. (In Serbo-Croatian.) Tutun 2:324-326. Nov.1952. 69.8 T88

51648 MARKOVIC, S. Sur la maturation et la récolte des tabacs de Voïvodine. (In Serbo-Croatian.) Tutun 2: 281-288. Oct.1952. 69.8 T88

51649 MARKOVINO, S. Sur le comportement des tabacs d'herzegovine envers l'humidité. (In Serbo-Croatian.) Duvan 3:407-419. Jan.1953. 69.8 T88
French summary.

51650 MRSEVIC, M. Modalités sur l'inventaire des cultures en tabac. (In Serbo-Croatian.) Tutun 2:276-280. Oct.1952. 69.8 T88

51651 MURAOKA, Y. Studies on the germination of tobacco seed. I. (In Japanese.) Hatano Tobacco Expt. Sta. B. 36:1-22. Ref. Mar.1952. 69.9 J27
English summary.

51652 OKUMA, K. Experiments on the vinyl cover of tobacco seed bed. (In Japanese.) Hatana, Japan, Tobacco Expt. Sta.,1952. 16 p. 69 Ok72

51653 ORLOV, P. N. Increasing size of crop and quality of tobacco and makhorka. (In Russian.) Tabak 13:33-34. Nov./Dec.1952. 69.8 T112

51654 PATCE, L. Quelques questions actuelles sur la production de tabacs en RPM. III. (In Serbo-Croatian.) Tutun 2:341-355. Dec.1952. 69.8 T88

51655 RADOVANOVIC, Z. M. Contribution à l'amélioration de la production du tabac en RPFY. (In Serbo-Croatian.) Tutun 2:299-303. Nov.1952. 69.8 T88

51656 SCHMID, K. Ueber den einfluss der wasser- und stickstoffversorgung auf die qualitätserzeugung im zigarrengut- und schneidegutanbau. Tabak-Forsch. 9:1-4. Feb.1953. 69.8 T116

51657 STANISHEVSKII, S. M. Further increase in tobacco culture. (In Russian.) Tabak 13(6):27-30. Nov./Dec.1952. 69.8 T112

51658 TERNOVSKII, M. F. Inter-varietal hybridization of tobacco. (In Russian.) Selek. i Semen. 20:27-30. Jan.1953. 61.9 Se5

51659 TIČIČ, V. La production de Virginia bright en RPM. (In Serbo-Croatian.) Duvan 3:397-407. (Cont.) Jan.1953. 69.8 T88

51660 U. S. AGRICULTURAL RESEARCH ADMIN. Tobacco research and related service activities in North Carolina. Washington?1952. 29 p. 1.98 T55
North Carolina Agricultural Experiment Station, North Carolina Extension Service, and North Carolina Department of Agriculture, cooperating.

51661 UZUNOVSKI, M. Sur la détermination des zones de production des types perspectifs de tabac et l'introduction des variétés nouvelles en RPFM. (In Serbo-Croatian.) Tutun 2:312-324. Nov.1952. 69.8 T88

51662 WHITE, F. H. Varietal changes in Canadian tobacco. Canada. Expt. Farms. Serv. Tobacco Div. Lighter 23:1. Feb.1953. 286.89 C16

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

51663 AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE. Proceedings, volume 60, 1952. Ithaca,1952. 524 p. 81 So12

51664 BULL-HANSEN, G. On the horticultural school in North Norway and the basis for it. (In Norwegian.) Gartneryrket 43:194-196. Mar.7,1953. 80 G1938

51665 BUSH, R. Weather in the garden. Country Life [London] 113:833-834. Mar.20,1953. 80 C83
Frost protection.

51666 CAMP, W. H. Sound nomenclature, a business asset. Amer. Nurseryman 97(8):13,52-59. Apr.15,1953. 80 Am371

51667 COOMBES, A. N. Ou trouver des plantes utiles pour votre jardin? Rev. Agr. de l'Ile Maurice 31: 289-298. Nov./Dec.1952. 24 M44

51668 CORDY, C. B. Frost protection—wind machines. Oreg. State Hort. Soc. Proc. 67:43-45. 1952. 81 Or32

51669 CUNNION, D. Root them in plastic wrap. Country Gent. 123(4):182-183. Apr.1953. 6 C833
Thin plastic sheets in plant propagation.

51670 DESJARDINS, R. Comment conduire votre serre de culture. Vie à la Campagne 42:111-112. Mar. 1953. 80 V67

51671 DODGE, J. C. The 4-H garden project. Wash. State Col. Ext. B. 478,8 p. Mar.1953. 275.29 W27P

51672 FEARON, E. E. The reluctant gardener. London,Jenkins,1952. 128 p. 90.3 F31

51673 FLOOR, J. Proeven met vermeerdering door entstekken [Report on propagation by cuttings]. Inst. v. de Veredeling von Tuinbouwgewassen. Meded. 40,29 p. Ref. Oct.1952. 86 W12
English summary.

51674 HELLYER, A. G. L., ed. Amateur gardening annual, 1953. London,1953. 136 p. 80 Am12

51675 HERMANN, E. Gedanken über gartenmeisterprüfungen. Deut. Baumsch. 5:89-93. Apr.1,1953. 80 D486

51676 HICKEY, J. C. The Maine home garden. Maine. Agr. Col. Ext. B. 419,32 p. Mar.1952. 275.29 M281B

51677 JOHANSEN, A. Possibilities, objectives and measures for gardening in North Norway. (In Norwegian.) Gartneryrket 43:183-187. Mar.7,1953. 80 G1938

51678 KANSAS STATE HORTICULTURAL SOCIETY. Biennial report, recording the transactions of the annual meetings and a summary of the horticultural statistics for the years 1950-1951, volume 51, Topeka, 1952. Topeka,1952. 130 p. 81 K13

51679 KRIECHBAUM. Eine gärtnerisch-botanische Deutschlandreise. Gart.-Z. Illus. Flora 76:31-33. Mar. 1953. 80 G1991

51680 LAPEDAGNE, H. Nos aveugles des deux sexes peuvent devenir de parfaits arboriculteurs-horticulteurs. Fruit Belge 20:187-189. Dec.1952. 80 F9493

51681 LIVERTON'S Tamar Valley market guide, 1953. Bere Alston,South Devon.,Eng.,1953. 48 p. 225 L75
Directory of nurseries.

51682 MCDONALD, E. Year 'round greenhouse gardening. Org. Gard. 21(4):12-13,43-44. Apr.1953. 56.8 Or3

51683 MICHIGAN. BUR. OF PLANT INDUSTRY. Nursery inspection bulletin, season 1952. Lansing,1952? 99 p. (Its Bulletin No. 56) 464.9 M58A

51684 MICHIGAN STATE HORTICULTURAL SOCIETY. Proceedings, eighty-second annual meeting, 1952. Lansing,1953. 144 p. 81 M58
Includes Proceedings of the Sixty-seventh meeting of the American Pomological Society.

51685 NEW YORK STATE HORTICULTURAL SOCIETY. Proceedings of the ninety-eighth annual meeting, 1953. n.p.,1953. 331 p. 81 N484

51686 NORTHRUP, KING & CO. Descriptive list; vegetables and flowers. Minneapolis,1953. 100 p. 61.9 N816S

51687 OHIO. DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. Ohio nursery stock producers and dealers. Columbus,1953. 102 p. 225 Oh34

51688 OREGON STATE HORTICULTURAL SOCIETY. Proceedings, forth-fourth annual report, sixty-seventh annual meeting, Corvallis, Oregon, November 20 and 21, 1952. n.p.,1952. 188 p. 81 Or32
Includes Proceedings of the Nut Growers Society of Oregon and Washington, thirty-eight annual meeting, Salem, Oregon, December 4, 5, 1952.

51689 POST, K. Change challenges research. Amer. Soc. Hort. Sci. Proc. 60:492-496. Dec.1952. 81 So12

51690 PRECIADO CASTILLO, A. La poda. Campo [Tacuba] (ser.2)20(732):70,72-74. Feb.28,1953. 8 C157

51691 RACINE, M. Organisation et fonctionnement des jardins d'écoliers. Montreal. Jard. Bot. Feuillet 43, 4 p. Jan.1953. 451 M765F

51692 ROLLINS, H. A. Horticulture in Lebanon. Fruit Varieties & Hort. Digest 7:35-36. Mar.1953. 80 F9464

51693 RUTHERFORD, D. M. Horticultural methods in Ventura County. Calif. Citrog. 38:191,211-212. Apr. 1953. 80 C125

51694 SCHRÖDER, S. Inserieren — aber mit erfolg. Deut. Baumsch. 5:63-64. Mar.1953. 80 D486
Advertising plant nurseries.

51695 SIEG, H. Baumschulen im 18. jahrhundert. Deut. Baumsch. 5:64-68,70. (Concl.) Mar.1953. 80 D486

51696 SWIFT, H. L. Factors in frost control. Wash. State Hort. Assoc. Proc. 48:183-185,187-191. 1952. 81 W273

51697 TALOUMIS, G. Observations on European nurseries. South. Florist & Nurseryman 65(52):13-15. Mar.13,1953. 80 So86

51698 THODAY, R. E. Institutional gardening. I. Gard. Chron. 133:130-131. Apr.11,1953. 80 G162

51699 THROCKMORTON, R. I. Research, an important tool for progress. Kans. State Hort. Soc. Bien. Rpt. 51:76-77. 1952. 81 K13

51700 TUTTLE, A. P. Plan for "postage stamp" garden (8 x 15 feet). Mass. U. Agr. Ext. Spec. C. 194,2 p. Apr.1952. 275.29 M38Isc

51701 TWO MANUALS of gardening from English manuscript notebooks of the seventeenth century in the library of Rachel McMasters Miller Hunt. Pittsburgh, 1952. 2 v. 30 T93

51702 WEHRHAHN, H. R. Taschenbuch der botanischen pflanzennamen für gärtner. Ed. 5, rev. Nordhausen am Harz,Killinger,1952. 256 p. 452.1 W42

51703 WHITEHOUSE, W. E. What plastics promise. Pop. Gard. [Albany] 4(4):43,90. Apr.1953. 80 P812
On grafting fruit and ornamentals.

51704 WYMAN, D. Layering plants in Holland. Arnoldia 13:25-28. Mar.27,1953. 451 Ar6Ba

51705 ZITZEWITZ, W. Die Schweizer Versuchsanstalt für Obst- Wein- und Gartenbau in Wädenswil. Gart.-Z. Illus. Flora 76:37-39. Mar.1953. 80 G1991

Fruits--General

51706 AUGUSTE. La formation professionnelle pour les cultures fruitières en Algérie. Cong. Pomol. de France. Sess. 83:193-206. 1952,pub.1953. 93.09 C7643

51707 AUSTRALIA. DEPT. OF HEALTH. DIV. OF PLANT QUARANTINE. Varieties of fruit trees, berry fruits & vines in Australia, by J. Mertin. 2 v. Adelaide, 1952. 39 p. 93.29 Au73

51708 BAIER, W. Die bedeutung von kleinklimatischen geländeuntersuchungen für den obstbau. Obstbau 72:44-45. Mar.1,1953. 80 Ob73

51709 BARTELDS, B. K. Aspects of our fruit culture. (In Dutch.) Ons Friese Platteland 6(266):10-11. Apr.9, 1953. 12 On72

51710 BODO, F. Obstbau—einmal anders. Landwirtschaft 5/6:89-92. (Cont.) Mar.1953. 19 L235
Methods in the United States.

51711 BOUDEWIJN, C. A vous de choisir! Vivre raisonnablement ou bien cultiver à perte? Fruit Belge 20:184-185; 21:20-21. (Cont.) Dec.1952,Feb.1953. 80 F9493

51712 BROOKS, R. M., and OLMO, H. P. Register of new fruit and nut varieties, list 7. Amer. Soc. Hort. Sci. Proc. 60:497-504. Dec.1952. 81 So12

51713 CONGRES POMOLOGIQUE DE FRANCE. Session, 83, 1952. n.p.,1953. 294 p. 93.09 C7643

51714 COUTANCEAU, M. Que faut-il penser des différents systèmes de tailles des arbres fruitiers. Jard. de France (ser.7)7:40-51. Feb.1953. 86 So13

51715 DALRYMPLE, D. M. The fruit areas of America: western New York. Amer. Fruit Grower 73(4): 18-19,46. Apr.1953. 80 G85

51716 'DINITROS' cut thinning costs $500,000 a year. Farm Mangt. 2(5):42-46. Apr.1953. 281.8 F2225
Chemical blossom thinning in Washington.

51717 DUBROVA, P. F. Organizatsiia sadovodstva v ukrupnennykh kolkhozakh [Organization of orchard cultivation on the consolidated collective farms]. Moskva, "Znanie",1952. 31 p. (Vsesoiuznoe Obshchestvo po Rasprostraneniiu Politicheskikh i Nauchnykh Znanii, Moscow. Broshiury-Stenogrammy Lektsii. Seriia 3, 30) 93.28 D850

51718 FABER, H. Die bedeutung solitärer apiden und fliegen für die bestäubung der obstbäume nach untersuchungen im Alten Land, 1951. I-II. Obstbauversuchsring. des Alten Landes. Mitt. 8:29-40. Ref. Feb.1953. 85 J76

51719 FRANCOTTE, C. L'arrachage mécanique des arbres fruitiers. Cour. Hort. 15:149-150. Mar.1953. 80 C834

51720 FRUIT-GROWER MARKET GARDENER AND GLASSHOUSE NURSERYMAN. Year book, 1952/53. London,1953. 224 p. 80 F949

51721 HEFNER, L. Obstbauliche grundkenntnisse; dargestellt für die landwirtschaftliche berufsschule. Ed. 2, rev. Allensbach/Bodensee,Boltze,1952. 67 p. 93.26 H36

51722 JAIVENOIS, A. À propos de la "forme juvenile" des arbres fruitiers. Fruit Belge 20:88-89. June 1952. 80 F9493

51723 KEMP, H. K. Fruit from the home garden. So. Austral. Dept. J. 56:318-325. (Cont.) Feb.1953. 23 So84
Fruit culture.

51724 KRUFT, F. Wie kommen wir nun weiter? Obstbau 72:37-38. Mar.1,1953. 80 Ob73

51725 LECRENIER, A. La culture fruitière aux Etats-Unis. Fruit Belge 20:76-78. May 1952. 80 F9493

51726 LINT, P. DE. Fruit culture on basin soils. (In Dutch.) Betuws Tuinbouwbl. 11:4. Mar.7,1953. 80 B464

51727 MALLIEN, R. Ligue Pomologique du Hainaut. Journée d'étude du 21 décembre 1952 à Mons. Fruit Belge 21:17-20. Feb.1953. 80 F9493

51728 NEL, R. I. Fruit industry research. Food Indus. So. Africa 5(11):43-48. Mar.1953. 389.8 F7372
Cultural.

51729 NUBLING, R. Wie wird unser obstbau krisenfest? Bauern-Ztg. 6(10):9. (Cont.) Mar.13,1953. 18 B324
Culture in Germany.

51730 NUBLING, R. Wie wird unser obstbau krisenfest? Bauern-Ztg. 6(12):7. (Concl.) Mar.27,1953. 18 B324
Culture in Germany.

51731 PEARCE, S. C. Field experimentation with fruit trees and other perennial plants. Commonwealth Bur. Hort. & Plantation Crops. Tech. Commun. 23,131 p. 1953. 84 Im72

51732 PREISING, F. Denkt an die obstbaumpflege! Landwirt. Z. der Nord-Rheinprov. 120:360-361. Mar.21, 1953. 18 L2344

51733 REBOUR, H. L'arboriculture fruitière en Afrique du Nord. Cong. Pomol. de France. Sess. 83:23-35. 1952,pub.1953. 93.09 C7643

51734 RIVALS, P. Notes sur les diverses espéces à fruits comestibles existant à l'Ile de la Réunion. Rev. Agr. de l'Ile de la Réunion. (n.s.)52:5-19. (Cont.) Jan./Apr.1952. 25 R32

51735 RIVERA, F. J. La poda en verde de los frutales. Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens 58:19-21. Mar.1953. 15 Sa7

51736 ROLIN, P. Voyage de la Ligue Pomologique de Liège en Allemagne. Fruit Belge 20:172-176,190-192. Nov.-Dec.1952. 80 F9493

51737 SANTA MARIA, R. La poda de los frutales. Tierra [Mexico] 8:185-187. (Cont.) Mar.1953. 8 T445

51738 SIEDL, K. Das umveredeln. Bauer 6(12):14-15. Mar.21,1953. 19 B32
Fruit in Austria.

51739 SIMON, G. La cueillette des fruits. Fruit Belge 20:139-141,134. Sept.1952. 80 F9493

51740 SOUTY, J. Recherche de variétés fruitières améliorées. Cong. Pomol. de France. Sess. 83:37-47. 1952,pub.1953. 93.09 C7643

51741 WELLINGTON, R. Facts you should know about pollination. Amer. Fruit Grower 73(4):13,34. Apr. 1953. 80 G85

51742 WENCK. Zur frage der gerüstbildneranpflanzung. Obstbau 72:38-40. Mar.1,1953. 80 Ob73

51743 ZELLER, O. Okologische obstsortengruppen und ihre bedeutung für eine standortsgemässe planung im obstbau. Obstbau 72:45-47. Mar.1,1953. 80 Ob73

Fruits--Citrus and Subtropical

51744 AGNEW, G. W. J. Some introduced papaw varieties. Banana B. 16(2):11. Feb.1953. 93.42 B22
Australia.

51745 AL BAKIR, A. J. In the date oasis of Arabia. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:16-36. Jan./Mar.1953. 22.5 Ir1

51746 ALLEN, E. Banana and paw-paw culture. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 30:20-21. Feb.1953. 24 T684

51747 ARENA, P. How to plant orange trees. Org. Gard. 21(4):66-67,70,72. Apr.1953. 56.8 Or3

51748 AWAD, G. Palms and dates of Iraq according to the ancient Arabic sources. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:57-68. Jan./Mar. 1953. 22.5 Ir1

51749 CANNON, R. C., and GROSZMANN, H. W. Pineapple plant improvement. Queensland Fruit & Veg. News 2:23-24. Oct.10,1952. 280.38 Q3

51750 CHAPMAN, H. D. Orange orchards in the Mediterranean countries. Calif. Citrog. 38:192,200,202. Apr.1953. 80 C125

51751 CHAPMAN, H. D. Orange tree condition and fruit sizes in the Mediterranean countries. Citrus Leaves 23(4):12-13. Apr.1953. 80 C492

51752 CHAPOT. Les agrumes. Terre Marocaine 27: 48-54. Feb.1953. 24 T44

51753 CHARAVANAPAVAN, C. The tapping of papaya for papain. Trop. Agr. [Peradeniya] 108:189-190. July/Sept.1952. 26 T751

51754 CHEYNE, O. B. M. The Planting and Advisory Division of the Coconut Research Institute of Ceylon; review of operations since its formation. Trop. Agr. [Peradeniya] 108:156-161. July/Sept.1952. 26 T751

51755 CHOMPUPOTI, A. Pineapple. (In Siamese.) Kasikorn 26:45-52. Jan.1953. 22.5 K15
English summary.

51756 CORTES, I. A. La poda del olivo. Cult. Mod. 36(2):53. Feb.1953. 15 C89

51757 FRIERSON, P. E. Citrus budwood certification. Fla. Grower 61(4):5,9. Apr.1953. 80 F6622

51758 GARAYAR, H. N. Sistema mejorado de injerto de los cítricos. Vida Agr. [Lima] 30(350):55,57. Jan.1953. 9.8 V66

51759 GAZZERA, E. The olive-tree and its possibilities. (In Italian.) Mondo Agr. 4(7):5. Feb.15,1953. 16 M74

51760 HAAS, A. R. C., and BRUSCA, J. N. The rooting of leafy-twig avocado cuttings. Citrus Leaves 23(4): 28-29. Apr.1953. 80 C492

51761 HARTMANN, H. T. Olive production in California. Calif. Agr. Col. Ext. Manual 7,59 p. Ref. 1953. 276 C121M

51762 HAUVILLE, A. La vente des plants d'agrumes en Algérie en 1951-52. Fruits et Primeurs de l'Afrique du Nord 23(243):8-11. Jan.1953. 80 F9482

51763 HORSLEY, R. J. Banana planting material. Queensland Fruit & Veg. News 2:30. Oct.10,1952. 280.38 Q3

51764 IKRAM-UL-HAQ. The history of the evolution and spread of the commercial citrus species. Punjab Fruit J. 15(53):18-20. Ref. Apr./July 1952. 80 P962

51765 JACOBONI, N. New ideas on propagation of olives. (In Italian.) Gior. di Agr. 43:77. Mar.8,1953. 16 It1G

51766 LUNA ERCILLA, C. A. La extracción de hijuelos de datileras. Vida Agr. [Lima] 30(350):33,35-36. Jan.1953. 9.8 V66

51767 LUNA ERCILLA, C. A. Polinización artificial en datilera. Hacienda 48(4):84. Apr.1953. 6 H11

51768 MALAN, E. F. Avocado varieties. Farming So. Africa 29(322):31-33. Jan.1953. 24 So842

51769 MALAN, E. F. Planting out citrus trees. Farming So. Africa 29(322):15-17. Jan.1953. 24 So842

51770 MIÈGE, E. L'extension et l'avenir de l'agrumiculture nord-africaine. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:29-43. (Cont.) Jan./Feb.1953. 26 R323

51771 MONNET, G. La culture des ananas en Cote d'Ivoire. Fruits et Leurs Dérivés 22:6-7. 1953. 389.68 J98

51772 POLCHART, P. Durian orchards in Dhonburi. (In Siamese.) Kasikorn 25:505-514. Nov.1952. 22.5 K15
English summary.
Culture.

51773 PUGLIESE, V. A plan in defense of olive culture. (In Italian.) Agricoltura 2:10-12. Jan.1953. 16 Ag8226

51774 REBOUR, H. Dans quelques semaines va se décider le sort de la prochaine récolte d'agrumes. Rev. Agr. de l'Afrique du Nord 51:291-292. Mar.20,1953. 80 R326

51775 RICHARDS, A. V. Viability of citrus seeds. Trop. Agr. [Peradeniya] 108:186-188. July/Sept.1952. 26 T751

51776 ROSS, A. A. Planting passion fruit in South-East Queensland. Queensland Fruit & Veg. News 3:235-236. Feb.19,1953. 280.38 Q3

51777 RUGGIERI, G. Orientation toward a more modern citrus culture. (In Italian.) Tec. Agr. 5:1-9. Jan./Feb.1953. 16 T22

51778 SOUSA, J. S. I. DE. Olives in the Northeast or olives in the South? (In Portuguese.) Chacaras e Quintais 87:230-231. Feb.15,1953. 9.2 C34
Brazil.

51779 STOLAR, S. Pruning irrigated olives. (In Hebrew.) Hassadeh 33:215-216. Jan.1952. 26 H27

51780 VAN BLERK, A. R. Largest citrus plantation in the world; streamlined efficiency and mass production of Zebediela estates. Farmer's Wk. [Bloemfontein] 84: 14-15. Mar.4,1953. 24 F225
Irrigation methods, fertilizers, harvesting, and marketing in South Africa.

51781 WRENCH, P. G. Citrus growing abroad. Queensland Fruit & Veg. News 3:346-348. Mar.12,1953. 280.38 Q3

51782 ZHIRO, N. I. Cultivation of tropical plants in trenches in Soviet sub-tropics. (In Russian.) Moscow. Glav. Bot. Sad. B. 13:55-63. 1952. 451 M854

Fruits--Deciduous

51783 ABMEYER, E. Some notes from the northeast Kansas experiment fields in 1951. Kans. State Hort. Soc. Bien. Rpt. 51:101-105. 1952. 81 K13
Apples and small fruits.

51784 ABRI, S. Bees in the orchard. (In Hebrew.) Hassadeh 33:222. Jan.1952. 26 H27

51785 ALLEN, B., and ALLEN, V. Espalier trees for beauty and fruit. Flower Grower 40(5):50-51,97. May 1953. 80 M72
Fruit.

51786 ALLEN, E. J. Growing apples in Arkansas. Ark. Agr. Col. Ext. L. 162,8 p.-folder. Jan.1952. 275.29 Ar4Le

51787 BALL, F. W. The "Gillette" apple. Amer. Fruit Grower 73(4):32-33. Apr.1953. 80 G85

51788 BATJER, L. P. Factors affecting results with dinitro thinning sprays. Oreg. State Hort. Soc. Proc. 67: 25-28. 1952. 81 Or32
Fruit.

51789 BATJER, L. P. Maximum production of quality fruit. N. Y. State Hort. Soc. Proc. 98:251-258. 1953. 81 N484
Cultural practices.

51790 BAUDEWIJN, J. Situation and evolution of low-crowned orchards. (In Flemish.) Tuinbouwberichten 17: 39-40. (Cont.) Mar.15,1953. 80 T817

51791 BOHNKE. Welche kernobstsorten sind noch für den anbau zu empfehlen? Hannoversche Land- u. Forstwirt. Ztg. 106:325-326. Mar.14,1953. 18 H194

51792 BRASE, K. D. Controlling the size of the fruit tree by the use of special rootstocks. N. Y. State Hort. Soc. Proc. 98:124-127. 1953. 81 N484

51793 BROWN, D. S. Climate in relation to deciduous fruit production in California. V. The use of temperature records to predict the time of harvest of apricots. Amer. Soc. Hort. Sci. Proc. 60:197-203. Dec.1952. 81 So12

51794 BRYNER, W. Zum umpfropfen von kronenbildnerbäumen. Schweiz. Z. f. Obst- u. Weinbau 62:123-124. Apr.4,1953. 80 Sch9

51795 CALAHAN, C. L. Growing high quality apples in Vermont. N. Y. State Hort. Soc. Proc. 98:225-230. 1953. 81 N484

51796 CROWTHER, D. S. Plums for dessert. Gard. Illus. 70:95. Apr.1953. 80 G169
Varieties in England.

51797 DEKKER, P. Topgrafting of fruit trees. (In Flemish.) Cult. en Handel 19:148-151. Mar.1953. 80 C892

51798 DERMINE, E. La situation de nos variétés de pruniers. Fruit Belge 21(137):11-16. Ref. Jan.1953. 80 F9493

51799 DIKSHIT, N. N. Propagation of three varieties (horti) of Prunus species by stem cuttings. Cur. Sci. 22: 47-48. Feb.1953. 475 Sci23

51800 DOMINICK, B. A. Is this the time to plant fruit trees? N. Y. State Hort. Soc. Proc. 98:25-33. 1953. 81 N484
New York.

51801 EIMERN, J. VAN. Der beginn der apfelblüte in Deutschland. Obstbauversring. des Alten Landes. Mitt. 8:25-29. Feb.1953. 85 J76

51802 ENE DE PIRO, M. La plus grosse prune du monde. Réveil Agr. 62:65-66. Mar.1,1953. 14 R322

51803 FISHER, D. V. Pruning mature fruit trees. 2. B. C. Farmer & Gard. 8(3):14. Mar.1953. 7 F86

51804 FISHER, E. G., MILLS, W. D., and SMITH, E. H. Factors influencing the longevity and productivity of peach trees. N. Y. State Hort. Soc. Proc. 98:169-181. 1953. 81 N484
Culture practices and control of diseases and pests.

51805 FRANCIS, F. J. A method of measuring the skin color of apples. Amer. Soc. Hort. Sci. Proc. 60:213-220. Ref. Dec.1952. 81 So12
Use of a tristimulus colorimeter.

51806 FRENCH, A. P. Puritan - a new early red apple. Fruit Varieties & Hort. Digest 7:46-47. Mar.1953. 80 F9464

51807 GALE, W. A. Planting, pruning and cultural practices that produce apples that sell. Mich. State Hort. Soc. Proc. 82:53-54. 1952,pub.1953. 81 M58

51808 GERRITSEN, C. Culture of peach (Prunus persica). (In Dutch.) Fruitteelt 43:206-207. Mar.7,1953. 86 N28

51809 GERRITSEN, C. J. May Duke cherries in Holland. Com. Grower 2989:757-758. Apr.9,1953. 80 F941

51810 HEINCKE, A. J. What varieties and strains of fruits shall we plant in New York. N. Y. State Hort. Soc. Proc. 98:118-123. 1953. 81 N484

51811 HELLER, G. Die umstellung der kernobstbäume im Schweizer obstbau. Obstbau 72:55-56. Apr.1, 1953. 80 Ob73

51812 HENDRIKSEN, T. Should "good" orchards be cut down too? (In Dutch.) Fruitteelt 43:270-271. Mar. 28,1953. 86 N28
Orchard management.

51813 HEUSER, W. Discussion on improved methods of pruning fruit trees. Mich. State Hort. Soc. Proc. 82: 54-56. 1952,pub.1953. 81 M58

51814 HIBBARD, A. D. Recent developments in peach production practices. Kans. State Hort. Soc. Bien. Rpt. 51:78-87. 1952. 81 K13

51815 HILLS, B. Planting, pruning and cultural practices that produce apples which will sell. Mich. State Hort. Soc. Proc. 82:56-57. 1952,pub.1953. 81 M58

51816 HOBBIS, E. W. Fruit tree training and planting. Worcestershire Agr. Chron. 21:97,99,101,103,105, 107,109,111,113. Feb./May 1953. 10 W892
Chiefly apples.

51817 HOFFMAN, M. B. Safer thinning sprays for apples. N. Y. State Hort. Soc. Proc. 98:128-135. 1953. 81 N484

51818 HUYSMAN, N. Some data on various plum varieties for glass culture. (In Dutch.) Fruitteelt 43:272. Mar.28,1953. 86 N28

51819 JAIVENOIS, A. La poire Durondeau. Fruit Belge 20:57-60. Apr.1952. 80 F9493

51820 KOTLER, Y. Pruning fruit trees and windbreak planting. (In Hebrew.) Hassadeh 33:219-221. Jan. 1952. 26 H27

51821 LANGER, C. A. The effect of growth regulators on blossom thinning with special reference to apples and peaches. East Lansing,1952. 119 p. 90.11 L262
Thesis - Michigan State College of Agriculture and Applied Science.

51822 LESLEY, J. W., and BONNER, J. The development of normal peach seedlings from seeds of early-maturing varieties. Amer. Soc. Hort. Sci. Proc. 60:238-242. Dec.1952. 81 So12

51823 MAGILL, W. W. Peach pruning and cultural methods. East. Fruit Grower 16:12,16,18-19,23-24. Mar.1953. 80 Ea73

51824 MAURER, K. J. Die apfelsorte "Starking." Obst- u. Gartbau 8:19-20. Feb.1953. 80 Ob75

51825 MAURER, K. J. Ein beitrag zur alternanz bei apfelsorten. Obst- u. Gartbau 8:20-21. Feb.1953. 80 Ob75

51826 MAURI, N. Vers une production de pommes marocaines. Fruits et Primeurs de l'Afrique du Nord 23 (243):24-32. Jan.1953. 80 F9482

51827 MITCHELL, A. E. A progress report on concentrate spraying and its relation to pruning in growing good fruit. Mich. State Hort. Soc. Proc. 82:17-19. 1952, pub.1953. 81 M58

51828 O'ROURKE, F. L., and TUKEY, H. B. Propagation of Malling apple rootstocks by nurse-root grafting. Amer. Soc. Hort. Sci. Proc. 60:101-103. Dec.1952. 81 So12

51829 PALMGARD, E. Danish voice on fruit growing. (In Swedish.) Kalmar Läns Norra Hushsällsk. Kvrtlskr. 13:17-19. 1953. 11 K12
Pruning.

51830 PIQUER, G. L'éclaircissage chimique du pommier. Fruit Belge 20:101-102,100. July 1952. 80 F9493

51831 POMOLOGIA polska [Polish pomology]. Warszawa,Państwowe Wydawnictwo Rolnicze i Leśne, 1952. 295 p. 93.26 P772

51832 PROEBSTING, E. L. Some effects of long continued covercropping in a California orchard. Amer. Soc. Hort. Sci. Proc. 60:87-90. Dec.1952. 81 So12

51833 REICHEL, M. Das verhalten einiger apfelsorten auf Malus IX und IV. Deut. Landwirt. 4:36-39. Jan. 1953. 18 D4822
Russian Zone.

51834 RENAUD, M. Nouvelle méthode de taille des arbres à feuilles caduques. Cong. Pomol. de France. Sess. 83:253-258. 1952,pub.1953. 93.09 C7643

51835 ROACH, F. A. Recent developments in fruit growing in Great Britain and the U.S.A. Com. Hort. & Gard. Craftsman 1:299-302. Mar.1953. 80 G1636

51836 RUGH, A. A commercial fruit growers thoughts in the cold snow. (In Danish.) Gart.-Tid. 69:128-129. Mar.16,1953. 80 G192

51837 RUITER KOOPMAN, L. Fruit growing in Tasmania. (In Dutch.) Fruitteelt 43:290-292. Apr.4,1953. 86 N28

51838 SALA, R. Rejuvenecimiento de los frutales. Cult. Mod. 36(2):58-59. Feb.1953. 15 C89
Chiefly pruning and fertilizing.

51839 SIRAJ-UD-DIN. Cultivation and marketing of peaches (Prunus persica). Punjab Fruit J. 15(53):12-15. Apr./July 1952. 80 P962

51840 SMOCK, R. M., and PALMITER, D. H. Effects of certain sprays on maturity and keeping. N. Y. State Hort. Soc. Proc. 98:231-238. 1953. 81 N484
McIntosh apples in New York.

51841 SNYDER, J. C. Permanent cover crops and irrigation practices in stone fruit orchards. Oreg. State Hort. Soc. Proc. 67:91-92. 1952. 81 Or32
Washington.

51842 SØRENSEN, A. Experiments with different rootstocks for pears. (In Danish.) Tidsskr. f. Planteavl 56:272-285. Ref. 1953. 11 T439
English summary.

51843 SOUTHWICK, F. W., and WEEKS, W. D. Chemical thinning of apples and peaches. Mass. U. Agr. Ext. Spec. C. 189,4 p. May 1952. 275.29 M38Isc

51844 STEBBINS, T. C. The Michigan Association of Cherry Producers. Mich. State Hort. Soc. Proc. 82:58-59. 1952,pub.1953. 81 M58

51845 TELLIEZ, J. La culture du pommier dans les régions chaudes du Tarn-et-Garonne. Tarn-et-Garonne Agr. 16:22-23. (Cont.) Feb.1953. 14 T17

51846 THOMAS, L. A. Stock and scion investigations. VII-VIII. J. Hort. Sci. 28:121-130. Apr.1953. 80 J825
Apples and pears.

51847 THOMAS, P. H. Apple varieties raised in Tasmania. 7. Legana. Tasmanian J. Agr. 24:8-10. Feb.1, 1953. 23 T182T

51848 TINDALE, G. B. When should I pick my apples for cool storage? Victoria. Dept. Agr. J. 51:19-22. Jan. 1953. 23 V66J

51849 TOENJES, W. Some observations on Pacific Northwest fruit growing. Mich. State Hort. Soc. Proc. 82: 35-37. 1952,pub.1953. 81 M58

51850 TRINCADO, J. Cultivo del membrillero. Vinos, Viñas y Frutas 48:358-359. Feb.1953. 9 Ag89

51851 TRICAUD, P. La pêche jaune de Verneuil. Pomol. Franç. 80:24-26. Feb./Mar.1953. 80 P77

51852 WALRATH, E. K., and SMITH, R. C. Survey of forty apple orchards. Amer. Soc. Hort. Sci. Proc. 60:22-32. Ref. Dec.1952. 81 So12
Twenty in New England and twenty in Pennsylvania.

51853 WURMITZER, H. Marillenspaliere. Kärntner Bauer 103:77-78. Mar.1,1953. 19 K14

Fruits--Small

51854 ACKERMAN, W. Practical pruning small fruits. Org. Gard. 21(4):16-17,48-50. Apr.1953. 56.8 Or3

51855 ALLOVON, E. Enquête sur le S.V. Rouge 18.315. Viticult. Nouvelle 6(60):17-18. Apr.1953. 390.8 V832

51856 ARMSTRONG, W. D. Some strawberry production developments in Kentucky. Kans. State Hort. Soc. Bien. Rpt. 51:23-27. 1952. 81 K13
Includes varieties and culture.

51857 AUDIBERT, M. Le Seibel 5813 (2e époque). Viticult. Nouvelle 6(59):7-8. Mar.1953. 390.8 V832

51858 BAUER, W. Kleine rebsortenkunde. Österr. Weinztg. 8:32. (Cont.) Mar.10,1953. 390.8 Os7

51859 BOVARD, P. L'expérimentation viti-vinicole en Tunisie. Feuille d'Inform. Vitic. et Arbor. de Tunisie 31:8-11. Feb.1953. 80 F433

51860 BOVARD, P., and BOVARD, G. Raisins de table—maturation 1952. Feuille d'Inform. Vitic. et Arbor. de Tunisie 31:12-17. Ref. Feb.1953. 80 F433

51861 BRANAS, J. Raisins de table. X. Prog. Agr. et Vitic. Apr.5/12:201-205. 14 P94

51862 BREIDER, H. Aplicación de la radiografiá en el estudio de la maduración de la madera y arrepollado de la vid. Spain. Inst. Nac. de Invest. Agron. B. 12:617-628. Dec.1952. 105.6 Sp14
Propagation.

51863 BURNS, E. M. The future of small fruits in Oregon. Oreg. State Hort. Soc. Proc. 67:49-50. 1952. 81 Or32

51864 CAPUCCI, C. "Cesena" type trees; disposition of supports and grapevines, raising, and pruning of the plants. (In Italian.) Genio Rur. 16:43-54. Feb.1953. 281.8 R522

51865 CHILDS, W. H. Further studies of greenhouse fertilization of blueberry hybrids grown in shredded Sphagnum. Amer. Soc. Hort. Sci. Proc. 60:141-145. Dec.1952. 81 So12

51866 CHRIST, E. G. How we meet growing problems of small fruits in New Jersey. N. Y. State Hort. Soc. Proc. 98:92-97. 1953. 81 N484

51867 CLAIR, E. De souche en bouche. Viticult. Nouvelle 6(59):23-25. Mar.1953. 390.8 V832
Grape varieties for wine.

51868 COLBY, A. S., and BOLL, H. L. Plentiful, a new strawberry variety. Fruit Varieties & Hort. Digest 7:47. Mar.1953. 80 F9464

51869 CONTACTGROEP OPVOERING PRODUCTIVITEIT. De teelt van klein-fruit in Amerika, algemeen overzicht; rapport Studiegroep Tuinbouw [Culture of small fruit in America, general survey; report of the Horticultural Study Group]. 's-Gravenhage,1952? 61 p. Ref. 94 C762
English summary.

51870 CONTACTGROEP OPVOERING PRODUCTIVITEIT. De teelt van klein-fruit in Amerika, blauwe bessen en veenbessen; rapport Studiegroep Tuinbouw [Culture of small fruit in America, blueberries and cranberries; report of the Horticultural Study Group]. 's-Gravenhage, 1952? 61 p. Ref. 94.35 C76
English summary.

51871 CONTACTGROEP OPVOERING PRODUCTIVITEIT. De teelt van klein-fruit in Amerika, de aardbei; rapport Studiegroep Tuinbouw [Culture of small fruit in America, the strawberry; report of the Horticultural Study Group]. 's-Gravenhage,1952. 56 p. Ref. 94.21 C76
English summary.

51872 CONTACTGROEP OPVOERING PRODUCTIVITEIT. De teelt van klein-fruit in Amerika, frambozen en bramen; rapport Studiegroep Tuinbouw [Culture of small fruit in America, raspberries and blackberries; report of the Horticultural Study Group]. 's-Gravenhage,1952? 68 p. Ref. 94.25 C76
English summary.

51873 COSTES, A. Le déchaussage des vignes au printemps. Tarn-et-Garonne Agr. 16:44-45. Mar.1953. 14 T17

51874 COUPIN, A. Où en est la reconstitution? Que reste-t-il à faire? Feuille d'Inform. Vitic. et Arbor. de Tunisie 31:3-7. Feb.1953. 80 F433

51875 DABERE, G. Le point de vue du praticien en regardant tailler la vigne. Rev. Agr. de l'Afrique du Nord 51:192-196. Feb.20,1953. 80 R326

51876 DARROW, G. M., SCOTT, D. H., and GALLETTA, G. J. Four new blueberry varieties, and notes on two recent introductions. Fruit Varieties & Hort. Digest 7:37-40. Mar.1953. 80 F9464

51877 DELEAU, R. Les porte-greffes de la vigne dans le Sud-ouest. Tarn-et-Garonne Agr. 16:28-29. (Cont.) Feb.1953. 14 T17

51878 DELEAU, R. Les porte-greffes de la vigne dans le Sud-Ouest. Tarn-et-Garonne Agr. 16:46. (Cont.) Mar.1953. 14 T17

51879 DEPARDON, L. Le vignoble et le vin de Bourgueil. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:953-962. Nov./Dec.1952. 14 F8499

51880 DEPARDON, L., and BURON, P. Le vignoble et le vin de Vouvray. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:807-817. Sept./Oct. 1952. 14 F8499

51881 DESFLASSIEUX, A. L'avenir des raisins de table. Terre d'Oc 35:99-102. Mar.1952. 14 Ar5
Varieties.

51882 DOEHLERT, C. A. Propagating blueberries from hardwood cuttings. N. J. Agr. Expt. Sta. C. 551,8 p. Mar.1953. 100 N46S

51883 DURAND, E., and DURAND, J. Au sujet de quelques nouveaux. Viticult. Nouvelle 6(60):19-21. Apr. 1953. 390.8 V832
Results with hybrid grapes.

51884 FISHER, J. L. Strawberry grower grows them big. New Eng. Homestead 126(6):6-7. Mar.28,1953. 6 N442

51885 FUJIMOTO, M. The value of alta fescue sod in strawberry production. Oreg. State Hort. Soc. Proc. 67:75-76. 1952. 81 Or32

51886 GAROIAN, L., and others. Frost prevention in strawberries—a panel. Oreg. State Hort. Soc. Proc. 67:57,60. 1952. 81 Or32
H. Ensley, B. Allegre, and B. I. Freeman, joint authors.

51887 GUILLOT, R. Essai provisoire de synonymie des cepages du centre-ouest. Prog. Agr. et Vitic., Mar.29,1953:188-194. (Cont.) 14 P94

51888 HYAMS, E. Strawberries from June to November. Country Life [London] 112:1098-1099. Oct.10,1952. 80 C83

51889 JOHANSSON, E., and BERGELIN, E. Sortförsök med krusbär [Variety trials in gooseberries]. Alnarps Lantbr.-Mejeri- och Trädgardsinst. Stat. Trädgårdsförsök. Meddel. 77,20 p. 1953. 86 AL64
English summary.
Sweden.

51890 JOHNSSEN, A. Sélection et conditions de livraison de vignes porte-greffes. Off. Internatl. du Vin. B. 26(264):27-41. Feb.1953. 390.8 B87

51891 KELLER, J. Soll der winzer überrumpelt werden? Deut. Weinbau 8:139. Mar.20,1953. 390.8 W432
Reconstruction of Phylloxera-devastated vineyards.

51892 KRONENBERG, H. G. New strawberry varieties. (In Dutch.) Groenten en Fruit 8:674-675. Mar.12, 1953. 80 G89

51893 KRUFT, F. Anbau der brombeere zum erwerb. Obstbau 72:53-55. Apr.1,1953. 80 Ob73

51894 LEPAGE, P. Envisagez la production des petits fruits. Vie à la Campagne 42:110. Mar.1953. 80 V67

51895 LUQUE, J. A. El calendario viticola regional y sus aplicaciones. Vinos, Viñas y Frutas 48:312-315. Jan.1953. 9 Ag89
Argentina.

51896 MAARSE, J. Pruning of red currants. (In Dutch.) Floralia 73:67-68. Feb.25,1953. 80 F6613

51897 MARIMAN, G. Viticulture septentrionale en plein air. Cour. Hort. 15:157-159. (Cont.) Mar.1953. 80 C834
Belgium.

51898 MEADER, E. M. Accelerated increase of highbush blueberry by forced softwood cuttings. Amer. Soc. Hort. Sci. Proc. 60:97-100. Dec.1952. 81 So12

51899 MILLER, J. C. Breeding strawberries for better qualities. Kans. State Hort. Soc. Bien. Rpt. 51:68-75. 1952. 81 K13

51900 MIR, R. M. Los portainjertos. Cult. Mod. 36:3-5. Jan.1953. 15 C89
Grapes.

51901 MOSER, L. Hand- oder maschinenveredlung. Landwirtschaft 5/6:85-86. Mar.1953. 19 L235
Grapes.

51902 NIXON, M. E. Pyramid strawberry gardens. Green Thumb [Denver] 10(4):16-17. Apr.1953. 80 G82

51903 NOHE, E. Zur samengewinnung von beerenfrüchten bei züchtungsarbeiten. Saatgut-Wirt. 5:36-37. Feb.1953. 61.8 Sa1

51904 OLLRAM, F. Was sollen die veredler von der holzreife wissen? Landwirtschaft 5/6:87-88. Mar.1953. 19 L235
Grapes.

51905 RAPHAEL, T. D. A new strawberry. Tasmanian J. Agr. 24:31-33. Feb.1,1953. 23 T182T
The new Scottish variety, Auchincruive Climax.

51906 RIVALS, P. Influence du porte-greffe sur la ramification de certains hybrides. Viticult. Nouvelle 6 (60):5-10. Apr.1953. 390.8 V832

51907 SAFRAN, B. Remarks on the article "Planning new plantings of wine grapes." (In Hebrew.) Hassadeh 33:217-219. Jan.1952. 26 H27

51908 SCHELLENBERG, A. Tätigkeitsbericht des Schweizerischen Weinbauvereins für das jahr 1952. Schweiz. Z. f. Obst- u. Weinbau 62:101-105. Mar.23, 1953. 80 Sch9

51909 SCHWARTZE, C. D., and MYHRE, A. S. The Goldenwest raspberry, a new novelty for the garden. Wash. Agr. Expt. Sta. C. 212,3 p. Feb.1953. 100 W27S

51910 SCHWARTZE, C. D. Small fruit varieties. Oreg. State Hort. Soc. Proc. 67:61-65. 1952. 81 Or32

51911 SHUFORD, A. C. Strawberry gardens. Farmers Fed. News 33(7):7,30. Mar.1953. 280.28 F225

51912 SNYDER, E., and HARMON, F. N. Grape breeding summary 1923-1951. Amer. Soc. Hort. Sci. Proc. 60:243-246. Dec.1952. 81 So12

51913 STELLWAAG, F. Hocherziehung und schädlingsbekämpfung. Deut. Weinbau 8:105-107. Mar.5,1953. 390.8 W432

51914 TAYLOR, D. E. Resistant stocks for grapes. Queensland Fruit & Veg. News 2:6-7. Oct.10,1952. 280.38 Q3

51915 THOREAU, G. La valeur de la stratification électrique en plein air des greffés bouturés. Viticult. Nouvelle 6(59):3-6. Mar.1953. 390.8 V832

51916 VIK, J. A brief review of the strawberry breeding work at the Government Research Station at Spangsbjerg. (In Norwegian.) Gartneryrket 43:227-230. Mar.21,1953. 80 G1938

51917 WEAVER, R. J. Thinning and girdling of Red Malaga grapes in relation to size of berry, color, and percentage of total soluble solids of fruit. Amer. Soc. Hort. Sci. Proc. 60:132-140. Ref. Dec.1952. 81 So12

51918 WIGGANS, C. C. Strawberries in Nebraska. Nebr. Agr. Agr. Col. Ext. E. C. 1278,15 p. 1953. 275.29 N272Ex
Revision of Experiment Station Circular 11, Mar. 1948.

51919 WINKLER, A. J. Growers' cultural practices determine quality in raisins. West. Fruit Grower 7(3): 19-21. Mar.1953. 95.8 G762

Nuts

51920 BLONDEL, L. A propos du pacanier. Rev. Agr. de l'Afrique du Nord 51:148-149. Feb.6,1953. 80 R326

51921 GARDNER, C. T., and others. New varieties of walnuts. Oreg. State Hort. Soc. Proc. 67:176-178. 1952. 81 Or32
E. O. Morse, C. O. Rawlings, and F. Nibler, joint authors.

51922 GERBER, J. R. Report on non-cultivated filbert farm. Oreg. State Hort. Soc. Proc. 67:164-165. 1952. 81 Or32

51923 HOWE, C. The Kirk walnut as a root stock. Oreg. State Hort. Soc. Proc. 67:175. 1952. 81 Or32

51924 JENSEN, G. Spraying of hazelnuts. (In Danish.) Erhvervsfrugtavleren 19:179-180. Apr.1,1953. 80 Er3

51925 KONEMANN, E. Schnitt und verjüngung der haselnusssträucher. Unser Wegweiser im Obstbau, Gart. Kleintierhof 8:33. Feb.1953. 18 Un7

51926 MAURER, K. J. Ist der Juglans regia f. monophylla-sämling eine zwergunterlage für die anzucht von walnussbuschbäumen? Obstbau 72:60. (Concl.) Apr.1, 1953. 80 Ob73

51927 MAURER, K. J. Ist der walnussbaum anbauwürdig? Gärt.-Kur. 8(5):2. Mar.5,1953. 80 G1942
Germany.

51928 MERCURI, S. The flowering of the almond is a sign of spring. (In Italian.) Agricoltura 2(2):43-46. Feb.1953. 16 Ag8226
Culture.

51929 MERCURI, S. There is a sure future for the "miraculous" hazelnut. (In Italian.) Agricoltura 2:24-28. Jan.1953. 16 Ag8226
English summary.

51930 PAINTER, J. H. Second year's results from filbert-nutrition experiment. Oreg. State Hort. Soc. Proc. 67:154-156. 1952. 81 Or32

51931 PAINTER, J. H. Walnut nutritional experiment. Oreg. State Hort. Soc. Proc. 67:179-182. 1952. 81 Or32

51932 PENNSYLVANIA NUT GROWERS ASSOCIATION Report of the 20th annual meeting Harrisburg, Pennsylvania, January 17, 1952. Dowingtown, 1952. 64 p. 94.69 P38

51933 QUACKENBUSH, A. L. Experience with irrigated sod. Oreg. State Hort. Soc. Proc. 67:166. 1952. 81 Or32
Filbert culture in Oregon.

51934 REBOUR, H. Le pacanier en Algérie. Acad. d'Agr. de France. Compt. Rend. 39:102-104. Jan.14/21, 1953. 14 P215Bc
Includes discussion.

51935 SERR, E. F. Nursery runts not worth grafting. Diamond Walnut News 35(2):4. Mar.1953. 94.68 D34

51936 SLATE, G. L. Filbert culture. Pa. Nut Growers Assoc. Rpt. 20:10-15. Jan.17,1952. 94.69 P38
New York.

51937 STEPHENS, S. E. The cashew nut. Queensland Fruit & Veg. News 3:298-299. Mar.5,1953. 280.38 Q3

51938 WARRENS, R. H. Establishing a permanent sod and irrigating a hillside filbert orchard. Oreg. State Hort. Soc. Proc. 67:167. 1952. 81 Or32

Shade Trees and Ornamental Plants

51939 AANES, A. R. Picardy or not Picardy. Glad Fan 7:10-11. Spring,1953. 80 G453

51940 ABBISS, H. W. Early daffodils. Daffodil & Tulip Ybk. 18:50-57. 1953. 96.47 R81D

51941 ACKERSON, C. How to grow plunge-pit mums. Flower Grower 40(4):60-64. Apr.1953. 80 M72

51942 ADDISON, G. H., and HENDERSON, M. R. Singapore hybrid orchids. Orchid Rev. 61:50-51. Mar. 1953. 80 Or15

51943 ALEXANDER, W. A. Seedling sense. Amer. Peony Soc. B. 127:11-12. Dec.1952. 81 Am38B
Requisites for good varieties.

51944 ALLEGRI, E. Climbing mountain plants: Clematis alpina Mill. (In Italian.) Monti e Boschi 4:31. Jan.1953. 16 M76

51945 ALLEN, P. H. Acacallis cyanea Ldl. Orchid J. 2:76. Feb.1953. 80 Or174

51946 ALLEN, P. H. The orchids of Panama. II. Orchid J. 2:61-67. Feb.1953. 80 Or174

51947 ALSTON, H. Daffodils in Victoria—the 1951 season. Daffodil & Tulip Ybk. 18:74-78. 1953. 96.47 R81D

51948 AMELINCKX, F. Planting of sea dunes, stream and river banks. (In Flemish.) Cult. en Handel 19:219-220. Apr.1953. 80 C892

51949 AMIN, F. Y. A study of the influence of certain nutrients on the growth and flowering of Hyacinthus orientalis Linn. Mich. U. Diss. Abs. 13:1-2. Feb.1953. 241.8 M58

51950 ANDERSON, E. Pepper and salt [Erigenia bulbosa], our earliest wild flower. Mo. Bot. Gard. B. 41:45-46. Mar.1953. 451 M69B

51951 ANTHONY, H. E. Cattleya maxima at home. Orchid J. 2:16-17. Jan.1953. 80 Or174

51952 ANTHONY, M. New Camellias from old ones. Camellia Rev. 14(5):9,15. Feb.1953. 97.31 So82

51953 ANTROBUS, J. Gold-laced polyanthus. Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:186. 84 N213

51954 ARNOLD, R. E. Anguloa cliftonii. Orchid Rev. 61:46-48. Mar.1953. 80 Or15

51955 ARNOLD, R. E. Calanthe vestita. Orchid Rev. 61:67-69. Apr.1953. 80 Or15

51956 ASHTON, L. S. Garden by the sea; shore-side flowers and shrubs thrive attractively by organic care despite the constant salty ocean spray. Org. Gard. 21(4): 36-37,51,54-55. Apr.1953. 56.8 Or3

51957 AUSTIN, W. Tulips for bedding. Daffodil & Tulip Ybk. 18:158-165. 1953. 96.47 R81D

51958 BABB, G. F. Plant notes from Maine. Amer. Rock Gard. Soc. B. 11:15-17. Jan.1953. 81 Am342

51959 BACCIALONE, J. Roses on the Riviera. Natl. Rose Soc. Rose Annu. 1953:41-46. 84 N21
Culture.

51960 BACKMAN, M. L. Use of summer flowers in the garden. (In Danish.) Haven 53:58-59. Apr.1953. 80 H29

51961 BAILEY, V. K. Plant evergreens for year 'round beauty. Minn. Hort. 81:4-6. Jan.1953. 81 M66

51962 BAKER, V. G. Roses grow on you. Mo. Bot. Gard. B. 41:69-72. Apr.1953. 451 M69B
Culture.

51963 BAMFORD, D. The properties of the show auricula. Amer. Primrose Soc. Q. 10(4):7-9. Apr.1953. 96.575 Am3

51964 BANK, T. P. Wild flowers deck the Aleutians. Nat. Mag. 46:237-240. May 1953. 409.6 N214

51965 BARNES, A. T. Dahlias grown from seed. Amateur Gard. Annu. 1953:28. 80 Am12

51966 BARR, H. R. A review of the daffodil trials at Wisley. Daffodil & Tulip Ybk. 18:19-23. 1953. 96.47 R81D

51967 BARRIOS, C. The sasanqua, the newest Camellia craze. Camellian 4(2):6. Mar.1953. 97.31 C14

51968 BASTELEUS, R. Les Sansevières à la conquête des appartements. Cour. Hort. 15:142-146. Mar. 1953. 80 C834

51969 BAYNES, A. Plants for beginners. 12. Succulents. VI. Natl. Cactus & Succulent J. 8:17. Mar.1953. 450 N21

51970 BEACH, G. Plot technique with carnations. Amer. Soc. Hort. Sci. Proc. 60:479-486. Dec. 1952. 81 So12

51971 BECHTEL, E. DE T. Rose varieties. Natl. Rose Soc. Rose Annu. 1953:57-63. 84 N21

51972 BENARY, R. More annuals in the border. (In Swedish.) Weibulls Allehanda 13:19-22. 1953. 80 W42

51973 BENSA, S. Impressions of a visit to carnation growers in Tuscany. (In Italian.) Riv. della Ortofloro-frutticolt. Ital. 37:30-31. Jan./Feb.1953. 86 R22

51974 BERRY, A. C. U. Adventure with P. cusickiana. Amer. Primrose Soc. Q. 10(4):3-5. Apr.1953. 96.575 Am3
With a note by Mrs. J. Karnopp.

51975 BERTELSEN, E. Why not Anemone garden? (In Danish.) Haven 53:52-55. Apr.1953. 80 H29

51976 BIANCHEDI, A. In the garden of Europe bulbs, tubers and rhyzomes cannot be lacking. (In Italian.) Agricoltura 2:19-23. Jan.1953. 16 Ag8226

51977 BIES, W. H. The American Rose Society. Mo. Bot. Gard. B. 41:61-62. Apr.1953. 451 M69B

51978 BISAILLON, A. Plantation d'automne ou plantation de printemps? Montreal. Jard. Bot. Feuillet 38,4 p. Oct.1952. 451 M765F
Ornamental plants.

51979 BLANCHARD, D. Some white N[arcissus] bulbocodium forms. Daffodil & Tulip Ybk. 18:30-34. 1953. 96.47 R81D

51980 BLUM, A. Creating a rose garden. Mo. Bot. Gard. B. 41:82-83. Apr.1953. 451 M69B

51981 BOGG, C. T. Dendrobiums. Austral. Orchid Rev. 18:14-17. Mar.1953. 80 Au73

51982 BOICOURT, A. W. Pruning and winter care of roses. Mass. U. Agr. Ext. Spec. C. 200,1 p. July 1952. 275.29 M38Isc

51983 BOONPAYOONG, S. Orchids. (In Siamese.) Kasikorn 25:515-517. Nov.1952. 22.5 K15

51984 BOWERS, C. G. Richness of color is their theme. Horticulture 31:152-154,192. Apr.1953. 80 H787
Rhododendron.

51985 BOWLES, E. A. Fragrance in the garden. Roy. Hort. Soc. J. 78:87-95. Mar.1953. 84 L84J

51986 BOYER, J. Les Cactées dans leur pays. Les Opuntia. Cactus [Paris] 8:137-140. Mar.15,1953. 450 C114

51987 BRAMMALL, L. H. Ways with wall gardens. Amateur Gard. Annu. 1953:29. 80 Am12

51988 BROCK, W. S. Roses—from one amateur to another. Mo. Bot. Gard. B. 41:63-65. Apr.1953. 451 M69B

51989 BROCKMAN, C. F. Pacific madrone: Arbutus menziesii Pursh. Arboretum B. 16:7,33. Spring 1953. 451 Ar1

51990 BROEN, M. Variedades nuevas de arvejilla y su cultivo. Mundo Agr. 5(45):34-35. Feb.1953. 9 M92

51991 BROWN, J. R. Notes on Haworthias. Cactus & Succulent J. 25:31-33. Mar./Apr.1953. 451 C11

51992 BRYDON, J. Rhododendrons for mild-climate gardens. Flower Grower 40(4):76-77,156-157. Apr.1953. 80 M72

51993 BULHART, V. Gefüllte orchideen. Orchidee 4: 4-5. Jan./Mar.1953. 85 Or1

51994 BURNIER, J. Le paysan et les fleurs. Almanach Agr. de la Suisse Romande 91:92-95. 1953. 30.3 AL6

51995 BURTON, G. W. Grasses of your lawn for the warmer regions. Flower Grower 40(4):93,133-134. Apr. 1953. 80 M72

51996 BURTON, L. H. Planting materials for Arkansas landscape designs. Ark. Agr. Col. Ext. Misc. P. 37,35 p. n.d. 275.29 Ar4Mi

51997 BUTTERS, K. D. Factors that control flowering. Grower [London] 39:525-526. Mar.14,1953. 286.83 M34
Chrysanthemums.

51998 BUTTERS, K. D. What went wrong with late Chrysanthemums. Grower [London] 39:477. Mar.7,1953. 286.83 M34

51999 BYLES, R. S. Sedum chaneti Léveillé and Sedum spinosum Willd. Natl. Cactus & Succulent J. 8:14-16. Ref. Mar.1953. 450 N21

52000 CALLE, F. C. Plants for Canada. Amer. Nurseryman 97(8):14,63. Apr.15,1953. 80 Am371
Trees and shrubs.

52001 CAMERO ZAMORA, J. Importancia de los árboles en las ciudades. Agr. Venezol. 17(158):26-28. Dec.1952. 9.95 Ag8

52002 CAMERON, E. The householder's bulb book; amateurs only. Worcester,Eng.,Littlebury,1952. 37 p. 96.4 C14

52003 CARLTON, C. Cymbidium growing in San Diego. Calif. Gard. 44:3-4. Spring 1953. 80 C127

52004 CATCHPOLE, N. Ornamental currants [Ribes]. Amateur Gard. Annu. 1953:27. 80 Am12

52005 CHESSMORE, R. A. Lawns for town and country. Tex. Livestock J. 12(3):7,88-90. Mar.1953. 49 T29

52006 COLEMAN, C. F. Daffodils in the wild. Daffodil & Tulip Ybk. 18:24-29. 1953. 96.47 R81D

52007 COMBER, H. F. Lilies introduced since 1900. Lily Ybk. 16:37-44. 1953. 96.46 R81
Great Britain.

52008 COOPER, A. E. Lawn management. Pa. State Col. Agr. Ext. C. 412,14 p. Feb.1953. 275.29 P38C

52009 COOPER, B. A. Bees under glass. Bee Craft 35:48-49. Apr.1953. 424.8 B3925
Pollination of Freesia.

52010 COOPER, R. E. Rosa cooperii. Natl. Rose Soc. Rose Annu. 1953:139-141. 84 N21

52011 COUNCILMAN, E. C. My choice of 50 plants. Camellia Rev. 14(6):3,20. Mar.1953. 97.31 So82

52012 COWAN, J. M., and COWAN, MRS. J. M. Gardening in Scotland. Natl. Hort. Mag. 32:79-83. Apr. 1953. 80 N216

52013 CURTIS, C. H. The Catalpa. Gard. Chron. 133:96. Mar.14,1953. 80 G162

52014 DAKERS, J. S. The colourful Transvaal daisy [Gerbera jamesonii]. Amateur Gard. Annu. 1953:13. 80 Am12

52015 DAVIS, R. R., and POLIVKA, J. B. Better lawns; result from proper mowing, fertilizing and weed control. Ohio Farm & Home Res. [Ohio Sta.] 38:37-38. Mar./Apr.1953. 100 Oh3S

52016 DEBRAS, E. Lilies in France 1951-52. Lily Ybk. 16:67-69. 1953. 96.46 R81

52017 DECKER, J. S. The oleander (Nerium oleander Linn.). (In Portuguese.) Chacaras e Quintais 87:211-213. Feb.15,1953. 9.2 C34

52018 DE GRAAFF, J. Lilies at the Oregon Bulb Farm, U.S.A. Lily Ybk. 16:25-36. 1953. 96.46 N81

52019 DE GRAAFF, J. Lilies in Colorado. Green Thumb [Denver] 10(4):9. Apr.1953. 80 G82

52020 DEKKER, P. Beautiful annuals. (In Flemish.) Cult. en Handel 19:210-212. Apr.1953. 80 C892

52021 DELACOUR, J. Un jardin de Cactées en plein air en Normandie. Cactus [Paris] 8:169-171. Mar.15, 1953. 450 C114

52022 DENNISON, P., and WILSON, J. Yellow Camellias—why not? Camellia Rev. 14(6):5,18-19. Mar.1953. 97.31 So82

52023 DE VOS, F. The flowering dogwood [Cornus florida]. Natl. Hort. Mag. 32:55-56. Apr.1953. 80 N216

52024 DILLON, G. W. The name of common sense. Pua Okika o Hawaii Nei 2:130-132. Apr.1953. 80 P963
Naming of orchid species and hybrids.

52025 DIX, J. F. C. Improvement of the bulb sortiment during the last years. (In Dutch.) Weekbl. v. Bloembollencult. 63:327,329,331. Mar.20,1953. 80 W412

52026 DORT, H. W. VAN. Lilium longiflorum var. White superior. (In Dutch.) Vakbl. v. de Bloemisterij 8: 81. Feb.27,1953. 80 V22

52027 DOUGHERTY, L. A. Mums for the North. Amer. Nurseryman 97(7):50-51. Apr.1,1953. 80 Am371

52028 DRAKE, J. Some European Primulas and their natural and garden hybrids. Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:195-198. 84 N213

52029 DRAYSON, G. F. Dahlias in England - 1952. Dahlia 21(2):7-9. Dec.1952. 80 D133

52030 DUNN, D. Y. Of these I sing (my peonies in 1952). Amer. Peony Soc. B. 127:22-24. Dec.1952. 81 Am38B

52031 DURUZ, S. Flowering shrubs. Ed. 3, rev., and enl. London,Bles,1952. 155 p. 97.31 D93

52032 EISELT, M. G. Erinnerungen an Pruhonitz. Deut. Baumsch. 5:60-63. Mar.1953. 80 D486
Yugoslavia.

52033 ELKAN, E. Succulents and their owners. Natl. Cactus & Succulent J. 8:4-12. Mar.1953. 450 N21

52034 ELLE, A. Kulturwinke für Brassien. Orchidee 4:6-7. Jan./Mar.1953. 85 Or1

52035 EMMER. Constituez votre collection de plantes grasses. Cactus [Paris] 8:149-151. Mar.15,1953. 450 C114

52036 EMMS, M. J. Iris time in the South. New Zeal. Iris Soc. B. 10:16-22. Mar.1953. 96.45 N48
Vicinity of Dunedin, South Island, New Zealand.

52037 EMSWELLER, S. L. The lily research programme at the Beltsville Station. Lily Ybk. 16:11-21. 1953. 96.46 R81

52038 ERREY, G. Notes from Australia. Lily Ybk. 16:147-148. 1953. 96.46 R81

52039 FEATHERS, D. L. Transplanting techniques. Camellia Rev. 14(2):10,14,16-17. Nov.1952. 97.31 So82

52040 FIRTH, E. P. Three interesting species—orchids of Africa. Amer. Orchid Soc. B. 22:271-273. Apr. 1953. 80 Am329
Angraecum kotschi, Microcoelia sp., and Cytorchis sedenii.

52041 FISCHER, J. Die kultur der Cyclamen. Berlin. Gart.-Bücher 4,31 p. 1952. 80 B453

52042 FISHER, G. S. Artificial light sources in growing orchids. Amer. Orchid Soc. B. 22:279-281. Apr.1953. 80 Am329

52043 FLORENCHIE, P., and THEAU, A. La Tulipe en Algerie. Rev. Hort. de l'Algérie 57:49-55. Feb.1953. 87 R32

52044 FOOTE, N. H. Mowing your lawn. Flower Grower 40(4):88-89,138-139. Apr.1953. 80 M72

52045 FOSTER, M., and FOSTER, R. Versatile bromeliads. Trop. Home & Gard. 3(7):15-16. Apr.1953. 80 T754

52046 FOWLER, H. Sweet peas, and how to grow them. Green Thumb [Denver] 10(4):13. Apr.1953. 80 G82

52047 FREE, M. From rock pile to rock garden. Home Gard. 21(4):36-42. Apr.1953. 80 H756

52048 FREE, M. How to renew your perennials. Home Gard. 21(4):61-64. Apr.1953. 80 H756

52049 FULLER, G. Laelia dormaniana Rchb. f. Orchid J. 2:102-103. Mar.1953. 80 Or174

52050 GALLAHER, A. W. Oriental flowering cherries in the Seattle Park system. Arboretum B. 16:19-20,35. Spring 1953. 451 Ar1

52051 GALLE, F. C., and CHADWICK, L. C. Outdoor roses. Ohio. Agr. Col. Ext. Nursery Notes 21(12),10 p. Dec.1952. 275.29 Oh32N

52052 GANNON, R. Double-duty flowers. Flower Grower 40(4):82,154. Apr.1953. 80 M72

52053 GASTAUD, J. Notes sur des cultures. Cactus [Paris] 8:165-168. Mar.15,1953. 450 C114

52054 GAULT, S. M. Some outstanding herbaceous plants. Gard. Illus. 70:90-91. Apr.1953. 80 G169

52055 GAY, C. L. Let's plant a few Camellias. Camellian 4(2):22-23. Mar.1953. 97.31 C14

52056 GELDOF, W. Some vegetables and their folklore. (In Dutch.) Groenten en Fruit 8:745. Apr.2,1953. 80 G89

52057 GERRANS, M. B. Some flowers of the Kandersteg area. Alpine Gard. Soc. Q. B. 21:68-69. Mar.1953. 84 AL6
Switzerland.

52058 GILLESPIE, N. Plant tuberous Begonias. Flower Grower 40(4):72-73,142-143. Apr.1953. 80 M72

52059 GLASOW, G. H. The orchid Cactus [Epiphyllum]. Org. Gard. 21(4):18,69,73. Apr.1953. 56.8 Or3

52060 GLOVER, W. H. Mid-Atlantic "Operation Zoysia" exhibit "A" in cooperation. Golfdom 27(3):65, 68-70,110-112. Mar.1953. 60.18 G58
First year's observations on performance of Meyer Zoysia.

52061 GRANT, C. R. G. Bush-house and verandah plants. Agr. Gaz. N. S. Wales 64:21-22,35. Jan.1953. 23 N472

52062 GRAY, A. A glasshouse for daffodils. Daffodil & Tulip Ybk. 18:58-59. 1953. 96.47 R81D

52063 GREENE, G. D. I hunted old roses. Mo. Bot. Gard. B. 41:65-68. Apr.1953. 451 M69B

52064 GREER, MRS. T. M. More about African violets. Green Thumb [Denver] 10(4):18-20. Apr.1953. 80 G82

52065 GRIGSON, G. Ferns, rock and water. Country Life [London] 113:650-651. Mar.6,1953. 80 C83

52066 GROSVENOR, C. G. Hardy Cypripediums. Alpine Gard. Soc. Q. B. 21:61-63. Mar.1953. 84 AL6

52067 GRUBB, G. F. A. Cannas: gay, colourful plants with semi-tropical effect. Com. Hort. & Gard. Craftsman 1:303-304. Mar.1953. 80 G1636

52068 GUSTAFSON, B. Pyracantha coccinea. (In Swedish.) Weibulls Allehanda 13:23-24. 1953. 80 W42

52069 HABERSHON, C. B. Some good show daffodils at a price not exceeding 21s. for a dozen bulbs. Daffodil & Tulip Ybk. 18:35-39. 1953. 96.47 R81D

52070 HADDEN, N. G. Notes on Fritillaria in west Somerset. Lily Ybk. 16:142-143. 1953. 96.46 R81

52071 HALL, H. Euphorbia tuberosa, L. Natl. Cactus & Succulent J. 8:13. Mar.1953. 450 N21

52072 HANDWERK, P. Tuberous Begonias. Green Thumb [Denver] 10(4):40-41. Apr.1953. 80 G82

52073 HANLEY, E. B. The flowering cherries of Hanleylands. Arboretum B. 16:21. Spring 1953. 451 Ar1

52074 HANSEN, R. J. Cherries in the Arboretum. Arboretum B. 16:15-18. Spring 1953. 451 Ar1

52075 HARDY, C. Fragrant honeysuckles [Lonicera]. Amateur Gard. Annu. 1953:26. 80 Am12

52076 HARP, H. F. Hardy perennials for your garden. Country Guide 72(4):14,35. Apr.1953. 7 G76

52077 HARTSEMA, A. M., and LUYTEN, I. Early blooming of Dutch Iris var. imperator. IV. A-B. Influence of temperature and light. (In Dutch.) Nederland. Akad. van Wetensch. Proc. Ser. C. Biol. & Med. Sci. 56:81-105. Ref. Jan./Feb.1953. 442.9 Am8

52078 HARVEY, N. P. The future of the rose. Natl. Rose Soc. Rose Annu. 1953:126-130. 84 N21
Development of new varieties.

52079 HASELTON, S. C. A catalogue and label system for orchidists. Orchid J. 2:43-48. Feb.1953. 80 Or174

52080 HAWKES, C. Double primroses—a list of varieties known. Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:159-163. 84 N213

52081 HAWORTH-BOOTH, M. Decorative climbing plants. Country Life [London] 113:568-569. Feb.27,1953. 80 C83

52082 HAWORTH-BOOTH, M. Magnolias from spring till autumn. Amateur Gard. Annu. 1953:24-25. 80 Am12

52083 HAWORTH-BOOTH, M. Research in tree and shrub cultivation. Country Life [London] 113:814-815. Mar.20,1953. 80 C83

52084 HEITMÜLLER, H. H. Die vegetative fortpflanzung europäischer ulmenarten. Allg. Forstz. 8:162-164. Mar.25,1953. 99.8 AL52

52085 HELLYER, A. G. L. Outstanding British gardens. Country Life [London] 113:808-811. Mar.20, 1953. 80 C83

52086 HENRY, M. G. The shady rock garden at Gladwyne. Amer. Rock Gard. Soc. B. 11:1-6. Jan.1953. 81 Am342
Pennsylvania.

52087 HERKLOTS, G. A. The Benguet lily (Lilium philippinense). Lily Ybk. 16:144-145. 1953. 96.46 R81

52088 HERMANN, L. Neue Dahlien für 1953. Gart.-Z. Illus. Flora 76:48-50. Apr.1953. 80 G1991

52089 HOLWAY, C. P. First consideration: hardiness. Flower Grower 40(4):74-75,98. Apr.1953. 80 M72
Perennials for North Central States.

52090 HOLYOAKE, C. V. Roses in New Zealand. Natl. Rose Soc. Rose Annu. 1953:85-87. 84 N21

52091 HOWARD, F. How to grow Fuchsias. Menlo Park,Calif.,Lane Pub. Co.,1953. 80 p. 96.532 H83

52092 HOWELL, W. Ornamental grasses. Gard. Chron. 133:89. Mar.7,1953. 80 G162

52093 HOWELL, W. Turf in early spring. Gard. Chron. 133:104. Mar.21,1953. 80 G162

52094 HUEY, R. G. Foreign Dahlias of tested merit. Dahlia 21(2):20-21. Dec.1952. 80 D133

52095 HULL, R. B. Ornamental evergreens; their planting and care. Purdue U. Agr. Ext. B. 320,19 p. n.d. 275.29 In2E

52096 HULL, R. B. Ornamental shrubs; their planting and care. Purdue U. Agr. Ext. B. 324,19 p. n.d. 275.29 In2E

52097 HYSLOP, E. P. Lilies in a suburban garden. Lily Ybk. 16:73-78. 1953. 96.46 R81
England.

52098 INGRAM, C. Flowering cherries in England. Arboretum B. 16:9-10,33. Spring 1953. 451 Ar1

52099 INGWERSEN, W. A dozen delectable alpines. Gard. Illus. 70:96-97. Apr.1953. 80 G169

52100 INGWERSEN, W. Plant associations in the rock garden. Amer. Rock Gard. Soc. B. 11:13-14. Jan. 1953. 81 Am342
England.

52101 INGWERSEN, W. Snowdrops [Galanthus] from October till April. Amateur Gard. Annu. 1953:14. 80 Am12

52102 INSTITUTO BRASILEIRO DE GEOGRAFIA E ESTATISTICA. SECÇÃO DE ESTUDOS E ANALISES. Brazil nut. (In Portuguese.) Assoc. Com. do Amazonas. B. 13(134):23-24. (Cont.) Sept.1952. 286.9 As7B
Installment deals with botany and nomenclature.

52103 IWAMA, S., and IWAI, S. On the late season culture of Gladiolus. (In Japanese.) Hort. Assoc. Japan. J. 21:183-188. Ref. Dec.1952. 87 H78

52104 JAMES, T. Lilies in a London garden. Lily Ybk. 16:70-72. 1953. 96.46 R81

52105 JARDINERO, C., MINTER, M., and SCHWERDTFEGER, L. Imperialis hybrids infinitum. Begonian 20:72-74. Apr.1953. 96.511 B39

52106 JOHNSON, L. F., and JOHNSON, D. H. Mainly auratums [Lilium auratum]. Lily Ybk. 16:84-94. 1953. 96.46 R81

52107 JOHNSON, R. Better day-lilies for better results. Home Gard. 21(4):14-17. Apr.1953. 80 H756

52108 JORGENSEN, S., and LARSEN, Ø. American Hydrangea culture. (In Norwegian.) Gartneryrket 43:123-125. Feb.14,1953. 80 G1938

52109 JOUGAN, E. Plantes annuelles de culture facile à semer au printemps. Acclimatation 80:56. (Concl.) Mar.7,1953. 14 Ac2
Ornamentals.

52110 KELWAY, C. Valuable drought-resistant plants. Amateur Gard. Annu. 1953:38. 80 Am12

52111 KIRK, E. B. Iris. Natl. Hort. Mag. 32:84-95. Apr.1953. 80 N216

52112 KIRKBRIDE, T. Some spring flowers in Liechtenstein. Alpine Gard. Soc. Q. B. 21:17-21. Mar. 1953. 84 AL6

52113 KNAPP, D. J. Peonies for cutting. Flower Grower 40(5):44-45,94-95. May 1953. 80 M72

52114 KNOWLTON, H. W. 100 favorite Iris. Flower Grower 40(5):48-49. May 1953. 80 M72

52115 KONYNENBURG, J. VAN. Anemones and Ranunculi. Amateur Gard. Annu. 1953:15. 80 Am12

52116 KOPPESCHAAR, W. F. Plant other lilacs sometimes. 1-2. (In Dutch.) Vakbl. v. de Bloemisterij 8: 72,82. Feb.20-27,1953. 80 V22

52117 KROMDIJK, G. Gesneria macrantha. Cour. Hort. 15:147-148. Mar.1953. 80 C834

52118 KROMDIJK, G. Ixora culture. (In Flemish.) Cult. en Handel 19:214-215. Apr.1953. 80 C892

52119 KROMDIJK, G. Poinsettia culture. (In Flemish.) Cult. en Handel 19:161-164. Mar.1953. 80 C892

52120 KRÜSSMANN. Zur methodik der pflanzenbewertung. Deut. Baumsch. 5:70-71. Mar.1953. 80 D486

52121 LAWFIELD, W. N. Success with auriculas. Amateur Gard. Annu. 1953:12. 80 Am12

52122 LEACH, D. G. Azaleas for connoisseurs. Flower Grower 40(4):79,158-159. Apr.1953. 80 M72

52123 LEACH, D. G. Try nature's own Rhododendrons. Home Gard. 21(4):44-50. Apr.1953. 80 H756

52124 LEE, G. Royal gardens, past and present. Amateur Gard. Annu. 1953:16-23. 80 Am12

52125 LEHMANN, J. S. Species and old-fashioned roses that do well in the St. Louis area. Mo. Bot. Gard. B. 41:74-76. Apr.1953. 451 M69B

52126 LEMMON, R. S. Try these wild flowers. Flower Grower 40(4):80,160-161. Apr.1953. 80 M72

52127 LEWIS, C. E. Tips for better landscapes. Amer. Nurseryman 97(8):11,48-49. Apr.15,1953. 80 Am371

52128 LEWIS, W. H. Seed sowing and pricking out. Com. Grower 2987:648. Mar.26,1953. 80 F941
Ornamental plants.

52129 LIBBY, MRS. H. How I grow good roses. Green Thumb [Denver] 10(4):15-16. Apr.1953. 80 G82

52130 LINK, H. K. The 1952 daffodil season in Indiana (U.S.A.). Daffodil & Tulip Ybk. 18:72-73. 1953. 96.47 R81D

52131 LIPPE, F. VON DER. On foreign trees in Trondhjem commons. (In Norwegian.) Tidsskr. f. Skogbruk 61:114-115. Mar.1953. 99.8 T432

52132 LITTLEFIELD, J. J. Camellias for permanent plantings. Fuchsia Fan 13(4):9-10. Apr.1953. 96.532 F952

52133 LOCK, N. F. Some experiences with daffodils. Daffodil & Tulip Ybk. 18:47-49. 1953. 96.47 R81D

52134 LOFTIN, H. Tough tests for new plants. Sci. News Let. 63:250-251. Apr.18,1953. 470 Sci24
Flower and vegetable varieties.

52135 LOWRY, G. R. Coelogynes are worth growing. Amer. Orchid Soc. B. 22:262-268. Apr.1953. 80 Am329

52136 LYMINGTON, VISCOUNT. A rose grower's paradise. Natl. Rose Soc. Rose Annu. 1953:27-31. 84 N21
Kenya.

52137 LYNN, H. W. The primrose and polyanthus in America. Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:182-185. 84 N213

52138 MAARSE, D. E. Meine neuen fliedersorten. Deut. Baumsch. 5:71-72,74. Mar.1953. 80 D486
Syringa.

52139 MCMATH, F. R. Rose testing. Mo. Bot. Gard. B. 41:77-79. Apr.1953. 451 M69B
Varieties belonging to introducer tested.

52140 MASTRANGEL, W. The Mexican Old Man Cactus [Cephalocereus senilis]. Cactus & Succulent J. 25:55-56. Mar./Apr.1953. 451 C11

52141 MAUMENE, A. Le jardin et les fleurs du bungalow. Vie à la Campagne 42:103-106. Mar.1953. 80 V67

52142 MAXWELL, A. C. Lilies in their homes. London,Collins,1953. 256 p. 96.46 M45

52143 MAXWELL, R. N. My favorite peonies, 1952. Amer. Peony Soc. B. 127:21-22. Dec.1952. 81 Am38B

52144 MELLES, A. B. Cross-pollination in Strelitzia reginae. Gard. Chron. 133:96-97. Mar.14,1953. 80 G162

52145 MELLOR, F. H. Roses in Morocco. Natl. Rose Soc. Rose Annu. 1953:134-135. 84 N21

52146 MEYER, F. Die niveum-gruppe (untergattung brachypetalum) der frauenschuhorchideen. Orchidee 4: 1-4. Jan./Mar.1953. 85 Or1
Paphiopedilum.

52147 MILLER, J. H. Orchid collecting in the Philippine Islands. Orchid J. 2:93-96. Mar.1953. 80 Or174

52148 MITSCH, G. E. Daffodils in 1952. Daffodil & Tulip Ybk. 18:60-65. 1953. 96.47 R81D

52149 MIYOSHI, R. Phalaenopsis. Pua Okika o Hawaii Nei 2:123-128. Apr.1953. 80 P963

52150 MOLDENKE, H. N. Plants of the Easter tradition. Horticulture 31:158,178-179. Apr.1953. 80 H787

52151 MONCURE, R. C. Return to daffodils. Natl. Hort. Mag. 32:101-102. Apr.1953. 80 N216

52152 MOORE, H. G. Double polyanthus and primroses in 1936. Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:151-154. 84 N213

52153 MULLER-IDZERDA, A. C. Novelties of 1953. (In Dutch.) Floralia 73:26-28. Feb.4,1953. 80 F6613
Ornamentals.

52154 MUSSER, H. B. Cool season grasses in today's turf. Golfdom 27(3):74,76,78,100-104. Mar.1953. 60.18 G58

52155 MUSSER, H. B. Grasses of your lawn for the cooler regions. Flower Grower 40(4):92,131-132. Apr. 1953. 80 M72

52156 MUSSER, H. B. Making your lawn. Flower Grower 40(4):42,44,46. Apr.1953. 80 M72

52157 NATIONAL AURICULA AND PRIMULA SOCIETY. (NORTHERN SECT.). Year book, 1952. Rawtenstall, 1952. p.144-242. 84 N213

52158 NATIONAL GARDENS SCHEME. The gardens of England and Wales, general list, 1953. Rochester, Kent,1953. 86 p. 90.32 N212

52159 NATIONAL ROSE SOCIETY OF GT. BRIT. The rose annual, 1953. Croydon,1953. 194 p. 84 N21

52160 NEARING, G. G. Bamboo moves northward; this ornamental survives New Jersey winters. Flower Grower 40(5):52,96-97. May 1953. 80 M72

52161 NEWTON, B. E. Is it detracting or enhancing? Horticulture 31:156-157. Apr.1953. 80 H787
Ornamental planting around homes.

52162 NEWTON, R. Plant breeding. Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:212-215. 84 N213

52163 NIES, J. E. Nothing to growing roses. Mo. Bot. Gard. B. 41:72-73. Apr.1953. 451 M69B

52164 NILSSON, A. When and how do the polyantha roses bloom? (In Swedish.) Weibulls Allehanda 13:12-18. 1953. 80 W42

52165 NILSSON, F. Official experiments with ornamentals. (In Swedish.) Svensk Jordbrforsk. 1953:78-84. 11 J763

52166 NORBERT, K. War "Bräcklein" nicht doch zu optimistisch? Kritische betrachtungen zur zimmerkultur. Orchidee 4:8-12. (Concl.) Jan./Mar.1953. 85 Or1

52167 NORTHEN, R. T. Cattleya mossiae. Amer. Orchid Soc. B. 22:256-259. Apr.1953. 80 Am329

52168 OBERG, R. Lycastes and how to grow them. Orchid J. 2:49. Feb.1953. 80 Or174

52169 PACK, C. Have you ever grown a variegated violet? African Violet Mag. 6(3):12. Mar.1953. 80 Af8

52170 PALLETT, R. L. The late transplanting of roses. Natl. Rose Soc. Rose Annu. 1953:54-56. 84 N21

52171 PANNEKOEK, G. J. Hedges. (In Flemish.) Cult. en Handel 19:155-156. Mar.1953. 80 C892

52172 PARISH, M. Landscaping for everyone. 2. Org. Gard. 21(4):30-31,58. Apr.1953. 56.8 Or3

52173 PARK, B. Bud your own plants. Natl. Rose Soc. Rose Annu. 1953:67-73. 84 N21

52174 PARK, R. O. Success with hardy Chrysanthemums. Green Thumb [Denver] 10(4):36-37. Apr.1953. 80 G82

52175 PARKER, H. C. Timing Dahlias for the show. Amer. Dahlia Soc. B. 26:13,42. Mar.1953. 81 Am322

52176 PARKINSON, S. Try growing cacti from seed! Natl. Cactus & Succulent J. 8:2. Mar.1953. 450 N21

52177 PASSERA, MRS. P. F. Growing seeds on a brick. African Violet Mag. 6(3):9. Mar.1953. 80 Af8

52178 PAYNE, G. O. Raising lilies from seed in New Zealand. Lily Ybk. 16:140-141. 1953. 96.46 R81

52179 PEASE, R. W. Growing flowering dogwood [Cornus florida] from softwood cuttings. Natl. Hort. Mag. 32:71-73. Apr.1953. 80 N216

52180 PEER, R. Variegated leaf Camellias. Camellia Rev. 14(2):7. Nov.1952. 97.31 So82

52181 PENDLETON, I. The art of growing new African violets from leaves. African Violet Mag. 6(3):53. Mar.1953. 80 Af8

52182 PERRY, F. The easy-going catmints. Amateur Gard. Annu. 1953:34. 80 Am12
Nepeta.

52183 PETERSEN, E. O. The auricula "Duke of Cumberland." Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:164-166. 84 N213

52184 PETERSEN, E. O. The polyanthus in New Zealand. Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:178-179. 84 N213

52185 PEYTON, G. W. Peony notes, 1952. Amer. Peony Soc. B. 127:13-20. Dec.1952. 81 Am38B
Varieties.

52186 PHILLIPS, G. A. R. The book of garden flowers. London,Warne,1952. 240 p. 97.4 P54

52187 PHILLIPS, G. A. R. Gardening in New Zealand. Amateur Gard. Annu. 1953:45-47. 80 Am12

52188 PLATT, W. J. Asparagus fern [Asparagus plumosus nanus] culture. Fla. Agr. Col. Ext. B. 153,11 p. Dec.1952. 275.29 F66

52189 PLUMMER, J. The hanging basket Fuchsia. Fuchsia Fan 13(3):4. Mar.1953. 96.532 F952

52190 POOL, R. J., and MAXWELL, E. G. Wild flowers in Nebraska. Nebr. Agr. Col. Ext. E. C. 5-168, 41 p. June 1952. 275.29 N272Ex

52191 PRESNER, S. L. Grow real orchids in your home. Ed. 3. Miami,1952. 24 p. 96.2 P92G

52192 PUGSLEY, H. C. The breeding of improved garden Verbascum. Roy. Hort. Soc. J. 78:105-106. Mar. 1953. 84 L84J

52193 QUINN, C. E. A digest of the daffodil stars as of 1952. Md. Gard. 7(4):2-4. Apr.1953. 80 M362

52194 RANDALL, H. J. Random comments. Daffodil & Tulip Ybk. 18:40-46. 1953. 96.47 R81D
Varieties.

52195 REINELT, F. Daffodil breeding in Washington and Oregon. Daffodil & Tulip Ybk. 18:66-71. 1953. 96.47 R81D

52196 RESTREPO R., M. A history of Vanda x Rothschildiana. Orchid J. 2:11-13. Jan.1953. 80 Or174

52197 RICH, M. C. How to grow glads from bulblets. Pop. Gard. [Albany] 4(4):52,76. Apr.1953. 80 P812

52198 RICKER, P. L. American wild flower Odyssey. Natl. Geog. Mag. 103:603-634. May 1953. 470 N213

52199 ROBERTS, E. History of Saintpaulia. I. African Violet Mag. 6(3):15,65. Mar.1953. 80 Af8

52200 ROBERTS, J. V. Procedures in pollinating. Amer. Primrose Soc. Q. 10(4):6. Apr.1953. 96.575 Am3

52201 ROGER-SMITH, H. Cruciferae for the rock garden. Alpine Gard. Soc. Q. B. 21:33-38. Mar.1953. 84 AL6

52202 ROPER, L. Lilium auratum var. Wittei. Lily Ybk. 16:145-146. 1953. 96.46 R81

52203 ROPER, L. List of names of hybrid lilies. Lily Ybk. 16:56-66. 1953. 96.46 R81

52204 ROSENSTINGEL, W. Alpenpflanzen im fenstergarten. Gart.-Z. Illus. Flora 76:29-31. Mar.1953. 80 G1991

52205 ROWNTREE, L. West Coast gardening. Flower Grower 40(4):35-36. Apr.1953. 80 M72

52206 ROYAL HORTICULTURAL SOCIETY. The daffodil and tulip year book, 1953, number eighteen. London,1952. 200 p. 96.47 R81D

52207 ROYAL HORTICULTURAL SOCIETY. The lily year book, 1953, number sixteen. London,1952. 167 p. 96.46 R81

52208 SACKVILLE-WEST, V. A note on Lilium leucanthum var. centifolium. Lily Ybk. 16:141. 1953. 96.46 R81

52209 SAMPSON, D. K. Achimenes; another gesneriad. Pop. Gard. [Albany] 4(4):20-21. Apr.1953. 80 P812

52210 SANDHACK, H. A. Blühende Vanille. Orchidee 4:7-8. Jan./Mar.1953. 85 Or1

52211 SAVONET, G. Cuttings of cacti and succulents. (In Flemish.) Cult. en Handel 19:157-160. Mar.1953. 80 C892

52212 SAWADA, K. Camellia sasanqua. Camellian 4(2):8-9. Mar.1953. 97.31 C14

52213 SCHENK, P. J. It is winter, but we are bringing spring into the house ourselves. (In Flemish.) Cult. en Handel 19:152-154. Mar.1953. 80 C892
House plants.

52214 SCHMITT, R. On the origin and color varieties of Cyclamen persicum. (In Dutch.) Vakbl v. de Bloemisterij 8:101. Mar.13,1953. 80 V22

52215 SCHNABEL, C. F. Espalier Fuchsias. Fuchsia Fan 13(4):7-8. Apr.1953. 96.532 F952

52216 SCHULZ, P. Gloxinias, and how to grow them. New York,Barrows,1953. 128 p. 96.06 Sch8

52217 SCHULZ, P. Naegelias. Natl. Hort. Mag. 32: 95-98. Apr.1953. 80 N216

52218 SEELEY, J. G. Poinsettia propagation. Canad. Florist 48(6):14. Mar.21,1953. 80 C163
Euphorbia pulcherrima.

52219 SELIGMAN, R. Mount Kenya; some plants of the alpine zone. Alpine Gard. Soc. Q. B. 21:21-32. Mar. 1953. 84 AL6

52220 SHEWELL-COOPER, W. E. Coronation colours. Estate Mag. 53:113-115. Mar.1953. 10 Es8
Border plants.

52221 SIMON, K. A. W. Chrysanthemums. Md. Gard. 5,11. Apr.1953. 80 M362

52222 SMIRNOW, L. Tree peony topics. Amer. Peony Soc. B. 127:9-10. Dec.1952. 81 Am38B

52223 SMITH, H. Plants for shady places. Country Life [London] 113:822-823. Mar.20,1953. 80 C83

52224 SNYDER, L. C. Do you know your evergreens? Minn. Hort. 81:7. Jan.1953. 81 M66

52225 SNYDER, M. R. Pruning. Amer. Rose Mag. 11(4):11-13. Apr.1953. 80 Am327A

52226 SOMERS, D. How to have a better lawn. Better Homes & Gard. 31(3):64-65,292-294. Mar.1953. 80 F9424

52227 SOUSTER, J. Als gärtner in Australien. Deut. Baumsch. 5:57-60. Mar.1953. 80 D486

52228 SPAULDING, S. Tuberous Begonias. Natl. Hort. Mag. 32:98-100. Apr.1953. 80 N216

52229 STAUTEMAS, E. Something else in floriculture? (In Flemish.) Tuinbouwberichten 17:43-44. Mar. 15,1953. 80 T817
Camellia japonica and Nerium oleander.

52230 STEEG, M. G. VAN D. Planting Cactus. (In Dutch.) Succulenta 2:28-31. Mar./Apr.1953. 450 Su12

52231 STEFFEN, A. Iris breeding in Germany. New Zeal. Iris Soc. B. 10:4-6. Mar.1953. 96.45 N48

52232 STERN, F. C. More notes on aurelianense hybrid lilies. Lily Ybk. 16:22-24. 1953. 96.46 R81

52233 STERN, F. C. Notholirion in the garden. Lily Ybk. 16:45-46. 1953. 96.46 R81

52234 STERNBERG, J. R. VON. The economics of trees; how, when and why it pays to make use of nature's biggest sales asset. House & Home 3(4):130-135. Apr. 1953. 296.8 H813
Landscaping.

52235 STIRLING, G. Serre de la Madone. Roy. Hort. Soc. J. 78:127-132. Apr.1953. 84 L84J
Garden north of Mentone, France.

52236 STOUTEMYER, V. T. Merion bluegrass in California. South. Calif. Turf Cult. 3(2):1,3. Apr.1953. 60.18 So8

52237 STOUTEMYER, V. T. The possibilities of sedges as turf. South. Calif. Turf Cult. 3(2):4. Apr.1953. 60.18 So8

52238 STRAYER, N. M. Tuberous Begonias. Garden Gossip 28(4):5,19-20. Apr.1953. 80 G1625

52239 SUSINI, E. The ornamental Apocynaceae. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 37:32-37. Jan./Feb.1953. 86 R22
English summary.

52240 SVIHLA, R. D. Vanda time in Burma. Amer. Orchid Soc. B. 22:269-270. Apr.1953. 80 Am329

52241 SWIM, H. C. Camellia classes. Camellian 4(2):10-11,22. Mar.1953. 97.31 C14

52242 TAYLOR, H. C. H. Comments on double primroses. Natl. Auricula & Primula Soc. (North. Sect.) Ybk. 1952:154-157. 84 N213

52243 TAYLOR, M. M. Azaleas for beginners. Flower Grower 40(4):78,152. Apr.1953. 80 M72

52244 TAYLOR, N. Color in the garden. New York, Van Nostrand,1953. 118 p. 96 T212

52245 TEUSCHER, H. Maxillaria luteo-alba Lindl. Amer. Orchid Soc. B. 22:276-277. Apr.1953. 80 Am329

52246 TEUSCHER, H. Notes on Gongora maculata Ldl. Orchid J. 2:54-56. Feb.1953. 80 Or174

52247 THOMAS, G. S. The "select list": shrub roses. Natl. Rose Soc. Rose Annu. 1953:64-66. 84 N21

52248 THURSTON, P. W. All-American rose selections. Natl. Hort. Mag. 32:74-79. Apr.1953. 80 N216

52249 U. S. PATENT OFF. Plant patents. 3 Nos. 1953. 156.65 P69
Contents: 1175. Brooks, L. L. Azalea plant. 2 p.,1 col. pl. Mar.31; 1176. Swim, H. C. Rose plant. 3 p.,1 col. pl. Mar.31; 1177. Prushek, E. Chrysanthemum plant. 2 p., 1 col.pl. Mar.31.

52250 UNWIN, S. P. Garden design. 9. From choice of rock to site and soil. Com. Hort. & Gard. Craftsman 1:269-270. Feb.1953. 80 G1636
Rock gardens.

52251 UNWIN, S. P. Garden design. 10. Practical work in rock garden construction. Com. Hort. & Gard. Craftsman 1:311-313. Mar.1953. 80 G1636

52252 VAN DE BOE, L. Suggestions for the building and care of lawns. Prof. Gard. 5:46-47,52-53. Mar. 1953. 80 P945

52253 VAN RENSSELAER, M. Notes on Metasequoia. Amer. Nurseryman 97(8):15,50-51. Apr.15,1953. 80 Am371

52254 VATRICAN, L. Études de fleurs. Cactus [Paris] 8:157-158. Mar.15,1953. 450 C114
Nopalea cochenilliera and Opuntia alcahes.

52255 VELDE, H. VAN D. Again: a rare Notocactus (N. müller-mölleri). (In Dutch.) Succulenta 2:27-28. Mar./Apr.1953. 450 Su12

52256 VÖTH, W. Wertvolle neue zimmerkletterpflanzen. Gart.-Z. Illus. Flora 76:34-35. Mar.1953. 80 G1991

52257 WALDEN, G. Lilium giganteum. Lily Ybk. 16: 142. 1953. 96.46 R81

52258 WALKER, C. F. Nursery for an alpine garden. Field 201:588-589. Apr.9,1953. 10 F45

52259 WALTHER, F. P. The Presby Memorial Iris Gardens. Amer. Iris Soc. B. 129:16-19. Apr.1953. 31 Am39
Upper Montclair, N. J.

52260 WANSCHER, J. H. A simple way of describing flower colours, and a flower colour chart. Denmark. Vet.- og Landbohøjsk. Årsskr. 1953:91-104. 104 D41A

52261 WARREN, C. H. Wild flower memories. Country Life [London] 113:730-731. Mar.13,1953. 80 C83

52262 WARREN, W. H. Flowering cherries. Arboretum B. 16:13,35. Spring 1953. 451 Ar1

52263 WEBB, R. W. Dahlia culture. Amer. Dahlia Soc. B. 26:28-29. Mar.1953. 81 Am322

52264 WEIBULL, G. Experiments with seed mixtures for lawns. (In Swedish.) Svensk Jordbrforsk. 1953:90-96. 11 J763

52265 WHITCOMB, D. The Whitcomb cherry. Arboretum B. 16:14. Spring 1953. 451 Ar1

52266 WILSON, C. G. The ease of growing lilies. Lily Ybk. 16:149-151. 1953. 96.46 R81

52267 WILSON, G. L. Spring fever. Daffodil & Tulip Ybk. 18:11-18. 1953. 96.47 R81D
Daffodil culture in Ulster County, England.

52268 WILSON, H. VAN P. Perennials for every garden. New York,Barrows,1953. 256 p. 97.42 W69
Originally published as Perennials preferred.

52269 WINNIPEG HORTICULTURAL SOCIETY. The Winnipeg flower garden, 1953. Winnipeg,1953. 150 p. 80 W73

52270 WISMÜHLER, W. Primelleidenschaft! Gart.-Z. Illus. Flora 76:46-47. Apr.1953. 80 G1991

52271 WISTER, J. C. Flowering cherries. Arboretum B. 16:11-12,30-32. Spring 1953. 451 Ar1

52272 WYMAN, D. Japanese snowbell [Styrax japonica]. Flower Grower 40(5):10. May 1953. 80 M72

52273 WYMAN, D. Star magnolia. Flower Grower 40(4):14,16. Apr.1953. 80 M72

52274 WYMAN, D. Two months of Azalea bloom. Arnoldia 13:29-35. Apr.24,1953. 451 Ar6Ba

Vegetable and Truck Crops (Including Potatoes)

52275 ALLERTON, F. W. The growth of plants in cold soil. Gard. Chron. 133:88. Mar.7,1953. 80 G162
Vegetables.

52276 ANDERSON, W. S., and CAMPBELL, J. A. Sweetpotato variety trials and seed production practices. Miss. Agr. Expt. Sta. C. 178,8 p. Feb.1953. 100 M69

52277 ANDREW, W. T. Results of vegetable variety trials Southern Illinois University, 1952. South. Ill. U. Agr. Serv. B. 7,10 p. Mar.1953. 276 So83

52278 APPLE, S. B. Fertilizer experiment with vegetable crops. Oreg. State Hort. Soc. Proc. 67:111-114 1952. 81 Or32

52279 BENI, M. DE. New German varieties of potatoes. (In Italian.) Avvenire Agr. 61:67-70. Mar.1953. 16 Av9

52280 BIKLE, A. Woher kommen unsere gemüsearten? Schweiz. Bauer. Kal. 58:37-40. 1952. 17 Sch95K

52281 BOHM, F. Wichtige gesichtspunkte im kartoffelbau. Deut. Landwirt.-Gesell. Mitt. 68:279-280. Mar. 19,1953. 18 N39

52282 BONIMAIER, A. Durch höhere kartoffelerträge zu grösserem betriebserfolg. Salzburger Bauer 8 (13):6-7. Mar.26,1953. 19 Sa3
Culture.

52283 BRANDT, H. Höhere kartoffelerträge durch saatgutwechsel. Salzburger Bauer 8(13):7-8. Apr.2,1953. 19 Sa3

52284 BRASE. Gedanken zur frühjahrsbestellung, insbesondere kartoffelbau. Landwirtbl. Weser-Ems 100: 347-348. Mar.26,1953. 18 L2345

52285 BRUNELLI, P. Technical and economic aspects of cultivation of tomatoes for industrial use. (In Italian.) Avvenire Agr. 61:55-62. Mar.1953. 16 Av9

52286 CALVERT, A. Temperature and truss size in tomatoes. Grower [London] 39:524-525. Mar.14,1953. 286.83 M34
In greenhouses.

52287 CHAPIN, M. Kale—crisp and curly. Org. Gard. 21(4):38-39. Apr.1953. 56.8 Or3

52288 COOLEN, A. Potato cultivation combinations in central Brabant. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:126-128. Mar. 1953. 12 N383M

52289 CORONEL, M. M. Mushroom culture. Agr. & Indus. Life 15(2):35,50. Feb.1953. 25 Ag8

52290 CRAM, W. H. Hybrid vigor of the Redskin tomato in reciprocal crosses. Amer. Soc. Hort. Sci. Proc. 60:415-418. Ref. Dec.1952. 81 So12

52291 CRNKO, J. En una estación experimental de Mendoza se ensayan y producen semillas hortícolas. Mundo Agr. 46:50-51. Mar.1953. 9 M92

52292 DARKE, J. Early tomato work. Tomato & Cucumber Mktg. Bd. J. 2(4):5-9. Apr.1953. 380.3919 T591

52293 DEKKER, P. Vegetable culture in Spain. (In Flemish.) Cult. en Handel 19:200-202. Apr.1953. 80 C892

52294 DENMARK. STATENS FORSØGSVIRKSOMHED I PLANTEKULTUR. Variety trials with low, green beans, 1949-51. (In Danish.) Tidsskr. f. Planteavl 56:357-360. 1953. 11 T439

52295 EJSING, G. Registered vegetables have P or Roman numeral. (In Danish.) Jydsk Landbr. 35:199-200. Mar.19,1953. 11 J99

52296 ELMER, O. H. Aristocratic sweetpotatoes. Kans. State Hort. Soc. Bien. Rpt. 51:47-49. 1952. 81 K13
Includes Orlis and Little Stem Jersey varieties best suited for commercial production in Kansas.

52297 FALL, S. Plan the growing of food potatoes carefully. (In Swedish.) Lantmannen 37:306-309. Mar. 28,1953. 11 L234

52298 FERRAN. Haute-Garonne: monographie du Département concernant spécialement la pomme de terre. Pomme de Terre Franç. 14(164):3-17. Apr.1953. 75.8 P77

52299 FISCHER. Kartoffelanbau in der baumschule? Deut. Baumsch. 5:101-102. Apr.1,1953. 80 D486

52300 FRAZIER, W. A. Vegetable variety trials—1952. Oreg. State Hort. Soc. Proc. 67:100-110. 1952. 81 Or32

52301 GIORGETTI, G. Round smooth tomato variety. (In Italian.) Terra e Sole 127:89-91. Mar.1953. 16 T273

52302 GLIEDEN, W. Die ertragsfähigkeit der kartoffel im laufe der zeit. (Sum.) AID Rundschau 2:20. May 1952. 18 A12
Germany.

52303 GONCHARIK, M. N. Comparative physiological evaluation of potato varieties. (In Russian.) Selek. i Semen. 20:33-37. Jan.1953. 61.9 Se5

52304 GRAYSON, E. C., and ROCKWELL, F. F. Leeks to grow and to enjoy. Home Gard. 21(4):65-66. Apr.1953. 80 H756

52305 HAMSON, A. R. Measuring firmness of tomatoes in a breeding program. Amer. Soc. Hort. Sci. Proc. 60:425-433. Ref. Dec.1952. 81 So12
Use of pressure tester.

52306 HAWTHORN, L. R. Interrelations of soil moisture, nitrogen, and spacing in carrot seed production. Amer. Soc. Hort. Sci. Proc. 60:321-326. Dec.1952. 81 So12

52307 HELLBO, E. Growing food potatoes. (In Swedish.) Mjölkpropagandan 30:74-75. Mar.1953. 44.8 M692

52308 HOEK, R. VAN DER. Early potatoes. (In Dutch.) Groenten en Fruit 8:642. Feb.26,1953. 80 G89
Varieties.

52309 HOFFMAN, I. C. How Americans use vitamins. Grower [London] 39:544. Mar.14,1953. 286.83 M34
In mushroom culture.

52310 HOLWAY, C. P. Yams or sweet potatoes? Horticulture 31:161. Apr.1953. 80 H787
Varieties for culture.

52311 HOME GROWN THRESHED PEAS JOINT COMMITTEE. Pea growers' handbook, 1952. London,1952. 44 p. 91.56 P31

52312 HYAMS, E. S. Melons under cloches. London, Faber & Faber,1952. 80 p. 91.51 H99

52313 INSTITUUT VOOR DE VEREDELING VAN TUINBOUWGEWASSEN WAGENINGEN. 5e beschrijvende rassenlijst voor groentegewassen [5th descriptive variety list of vegetables] 1953. Wageningen,1953. 180 p. 86 W12B

52314 ITO, S., NAKAUSA, T., and HATA, S. Microclimatic studies on the vegetable culture under a shelter. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:101-104. Nov.1952. 340.9 So1
English summary.

52315 JACOBSEN, H. The temperature in tomato houses. (In Norwegian.) Gartneryrket 43:232. Mar.21, 1953. 80 G1938

52316 JONES, E. H. My way of growing. 10. MGA Bulletin 40:112-114. Apr.1953. 80 M97
Mushroom culture.

52317 KAMEKE-STRECKENTHIN. Das zuchtziel steht—die wirtschaftspolitik schwimmt. Kartoffelwirtschaft 6:104-105. Mar.6,1953. 286.83 K14
Potato breeding.

52318 KARNER, L. Gemüseversorgung der bergbauern. Salzburger Bauer 7(45):7. Nov.6,1952. 19 Sa3

52319 KEMMERS, W. H. Culture of early potatoes. (In Dutch.) Groenten en Fruit 8:607-608. Feb.19,1953. 80 G89

52320 KENNELLY, A. G. The home vegetable garden. New Zeal. Dept. Agr. B. 342,216 p. 1952. 23 N48Bu

52321 KENNERLY, A. B. Million-dollar business spurs search for better cucumbers. South. Seedsman 16 (4):60. Apr.1953. 61.8 So8

52322 KNEELAND, C. J., and DOLAN, D. D. Sweet corn in Rhode Island. R. I. State Col. Ext. B. 144,7 p. June 1952. 275.29 R34

52323 KRAUSE, W. G. C. The culture of witloof chicory. Com. Grower 2987:641-642. Mar.26,1953. 80 F941

52324 KRUSZE, N. Pieczarki. [Mushrooms]. Wydawnictwo Rolnicze i Leśne,1952. 123 p. 91.7 K94

52325 LARDNER, O. Setting tomatoes in the sunshine. Grower [London] 39:629,631. Mar.28,1953. 286.83 M34
Greenhouse culture.

52326 LARSSON, G. Variety trials with vegetables in Norrland. VII. Sugar pea, garden beet and cabbage during 1949-1951. (In Swedish.) Alnarps Lantbr.- Mejeri- och Trädgardsinst. Stat. Trädgardsförsök. Meddel. 76, 66 p. Ref. 1953. 86 AL64
English summary.

52327 LASSER, E. Ertragsleistung von kartoffelsorten im jahre 1952. Kärntner Bauer 103:78-79. Mar.1, 1953. 19 K14

52328 LEE, N. VAN D. Seed onions. (In Dutch.) Betuws Tuinbouwbl. 11:6. Mar.7,1953. 80 B464

52329 LOCKE, L. F. F_1 hybrids as a means of improving home-garden production of tomatoes in the southern Great Plains. Amer. Soc. Hort. Sci. Proc. 60: 412-414. Dec.1952. 81 So12

52330 LOIBL, L. Warum kartoffelsaatgutwechsel? Bauer 6(9):12-13. Feb.28,1953. 19 B32

52331 LOSADA S., B. Instrucciones generales sobre cultivo de tomate. Soc. Antioquena de Agr. B. Agr. 393:3799-3801. Jan.1953. 9.4 So1

52332 MACGILLIVRAY, J. H., and others. Spacing effect on the yield of green lima beans for freezing. Amer. Soc. Hort. Sci. Proc. 60:330-334. Ref. Dec.1952. 81 So12
L. J. Clemente, D. E. Creighton, V. P. Osterli, and E. E. Stevenson, joint authors.

52333 MCGUIRE, D. C. Storage of tomato pollen. Amer. Soc. Hort. Sci. Proc. 60:419-424. Dec.1952. 81 So12

52334 MCKEEVER, I. Potatoes and conservation farming. Guide Post 31(3):3-4,6,8,10. Mar.1953. 75.8 G94

52335 MCNISH, J. T. A prolific rambler tomato; phenomenal bearing capacity in out-of-season period. Farmer's Wk. [Bloemfontein] 84:59,61. Mar.4,1953. 24 F225

52336 MALLEKOTE, L. Culture of early potatoes. (In Dutch.) Groenten en Fruit 8:608-609. Feb.19,1953. 80 G89

52337 MARTENS. Planung im feldgemüseanbau nötig! Landwirtbl. Weser-Ems 100:318-319. Mar.19, 1953. 18 L2345

52338 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Capucijners en rozijnerwten [Capuciner and raisin peas], 1953. Ber. over Rassenkeuze 137,2 p. Feb.1953. 64.9 W12

52339 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Ronde groene erwten en schokkers [Round green peas and schokkers]. Ber. over Rassenkeuze 136,4 p. Feb.1953. 64.9 W12

52340 NILLOS, P. N. Some pointers on onion culture. Agr. & Indus. Life 15(2):37. Feb.1953. 25 Ag8

52341 NILSSON, E. Problems in connection with field culture of cucumbers. (In Swedish.) Svensk Jordbrforsk. 1953:85-89. 11 J763

52342 NILSSON, F., and HINTZE, S. Sort- och stamförsök med morötter [Experiments with varieties and strains of carrot, 1948-1950]. Alnarps Lantbr.-Mejeri- och Trädgardsinst. Stat. Trädgardsförsök. Meddel. 75, 32 p. 1952. 86 AL64
English summary.

52343 NISSLEY, C. H. New Jersey vegetables. N. J. State Hort. Soc. Hort. News 34:2624. Mar.1953. 81 N46

52344 NORTH, C. Three methods for vegetative propagation of Brassica oleracea. Roy. Hort. Soc. J. 78: 106-111. Mar.1953. 84 L84J

52345 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Growing potatoes for seed. North. Ireland Min. Agr. L. 87,7 p. Feb.1953. 10 N81

52346 ODLAND, M. L., and NOLL, C. J. Vegetable variety trials, 1952. Pa. Agr. Expt. Sta. Prog. Rpt. 92, 11 p. Feb.1953. 100 P381P

52347 OPSAHL, B. Choice of root crop varieties. (In Norwegian.) Samvirke [Oslo] 48:122-123. Mar.1, 1953. 280.28 Sa4

52348 ORMAN, A. C. Vegetable cropping systems. Agr. Gaz. N. S. Wales 64:11-12,35. Jan.1953. 23 N472

52349 OSUNA, P. La siembra de tomates. P. R. Agr. Col. Ext. C. 25,13 p. Nov.1952. 275.29 P96Ci
Culture and packing.

52350 PARMENTIER, P. Organisation d'un chantier de plantation de pommes de terre. Génie Rur. 46:102-103. Mar.1953. 58.8 Au8

52351 PETERSON, G. Food potatoes should be improved. (In Swedish.) Lantmannen 37:215-216,236. Mar. 7,1953. 11 L234

52352 PETERSSON, G., and SVENSSON, E. Potato varieties and fertilizer experiments. (In Swedish.) Lantmannen 37:279-281. Mar.21,1953. 11 L234

52353 PETERSSON, G., and SVENSSON, E. Potato variety and fertilizer experiments. (In Swedish.) Lantmannen 37:313-314,318. Mar.28,1953. 11 L234

52354 PEULVRUCHTEN STUDIE COMBINATIE. Resultaten van het doperwtenrassenonderzoek oogst 1952 [Results of the investigation of varieties of green peas, harvest 1952]. Tech. Ber. 62,27 p. Jan.1953. 60.39 T22

52355 PIELEN. Welche kartoffelsorte? Landwirt. Z. der Nord-Rheinprov. 120:356-357. Mar.21,1953. 18 L2344

52356 PIOVANO, A. Chauchas para mercado e industria. Chacra 23(268):30-31. Mar.1953. 9 C34
Varieties.

52357 POOLE, C. F. Lettuce improvement in Hawaii. Amer. Soc. Hort. Sci. Proc. 60:397-400. Dec.1952. 81 So12

52358 PORTER, D. R., and YOUNKIN, S. G. A new tomato variety for California. Canning Trade 75(41):9,16. Apr.27,1953. 286.83 T67

52359 PRAILL, F. E. M. Early outdoor crops prefer a fresh furrow. Grower [London] 39:724. Apr.11,1953. 286.83 M34
Vegetable culture.

52360 RAUSCHER, R. Kartoffellegen. Bauer 6(11): 4-6. Mar.14,1953. 19 B32

52361 RICHARDS, A. A. The development of the tomato. Gard. Illus. 70:100. Apr.1953. 80 G169

52362 RIGOT, N. Le choix d'une variété de pommes de terre. I-II. Sillon Belge 23(548):1,3; (549):3. Feb. 21-28,1953. 13 Si3

52363 ROCKWELL, F. F. Small plants for big vegetables. Home Gard. 21(4):18-21. Apr.1953. 80 H756

52364 ROSS, I. A. Harvesting of rock melons. Queensland Fruit & Veg. News 3:6. Jan.2,1953. 280.38 Q3

52365 SAYRE, C. B., TAPLEY, W. T., and BARTON, D. W. Variety comparison of peas used for canning and freezing, 1952. N. Y. (State) Agr. Expt. Sta. B. 758,31 p. Feb.1953. 100 N48

52366 SCHICK, R. Höhere kartoffelernten. Deut. Bauern Kal. 1953:99-101. 18 D4826
Russian Zone of Germany.

52367 SCHRODER. Die ergebnisse der landessortenversuche 1952 mit kartoffeln. Landwirtbl. Weser-Ems 100:321-322. Mar.19,1953. 18 L2345

52368 SHEWELL-COOPER, W. E. The best from broad beans. Amateur Gard. Annu. 1953:33. 80 Am12

52369 SHOYER, H. Vegetable varieties for 1953. (In Hebrew.) Hassadeh 33:209-210. Jan.1952. 26 H27

52370 SHULBERG, S. Summer tomatoes in 1952. (In Hebrew.) Hassadeh 33:207-209. Jan.1952. 26 H27

52371 SIEBENGA, J. Encouragement prizes for the breeding of new potato varieties. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden. en Aardappelpootgoed. Meded. 8:98. Apr.1952. 61.9 N28

52372 SIEBENGA, J. Task of the General Netherlands Inspection Service for Seeds of Field Crops and Seed Potatoes with regard to seeds of early potatoes. (In Dutch.) Groenten en Fruit 8:617-618. Feb.19,1953. 80 G89

52373 SINGLETARY, C. C. New tomato growing methods. Kans. State Hort. Soc. Bien. Rpt. 51:98-100. 1952. 81 K13

52374 SMEDING, P. Early potato varieties. (In Dutch.) Groenten en Fruit 8:609. Feb.19,1953. 80 G89

52375 SMITH, O. Procuring potatoes for chipping. Potato Chipper 12(9):20-22. Apr.1953. 75.8 P844

52376 SNEEP, J. Practijkproeven met Westlandse boerenkool [Westland kale trials], 1949-50 and 1950-51. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 42, 29 p. Dec.1952. 86 W12

52377 STAALDUINE, D. VAN. Growing early potatoes in the Westland. (In Dutch.) Groenten en Fruit 8:615-616. Feb.19,1953. 80 G89

52378 STEEN, J. VAN. Growing lettuce under artificial light. (In Flemish.) Cult. en Handel 19:165. Mar. 1953. 80 C892

52379 STICHTING NEDERLANDSE UIEN-FEDERATIE. Uien [Onions], 1953. Ber. over Rassenkeuze 141,3 p. Feb.1953. 64.9 W12

52380 STIKSMA, J. K. Potato fatigue and culture of early potatoes. (In Dutch.) Groenten en Fruit 8:616. Feb.19,1953. 80 G89

52381 SVENSSON, V. The origin of Weibulls Kardinal (= Vertou W:s/51); a new carrot variety. (In Swedish.) Weibulls Allehanda 13:9-12. 1953. 80 W42

52382 THIJN, G. A. New German potato varieties. II. (In Dutch.) Nederlandse Alg. Keuringsdienst. v. Landbzaden en Aardappelpootgoed. Meded. 9:92-93. Mar.1953. 61.9 N28

52383 TOTMAKOV, G. V. Michurinskie osnovy semenovodstva ovoshchnykh kul'tur [Michurinite principles of vegetable seed production]. Moskva,"Znanie", 1952. 23 p. (Vsesoîuznoe Obshchestvo po Rasprostraneniîu Politicheskikh i Nauchnykh Znanîi, Moscow [Broshîury-Stenogrammy Lekt̂siî] Seriîa 3, 22) 91 T64

52384 U. S. PRODUCTION AND MARKETING ADMIN. Hybrid onion varieties. Washington,1952. 11 p. 1.956 A2H99

52385 VERBRUGGEN, A. Brussel sprout a profitable culture for small or diversified farms. (In Flemish.) Cult. en Handel 19:197. Apr.1953. 80 C892

52386 VERHEY, C. Determination of germination methods of beans (Phaseolus). (In Dutch.) Zaadbelangen 7:52-53. Mar.16,1953. 61.8 Z1

52387 WARD, K. M. Redlands Experiment Station; 1952 vegetable investigations. Queensland Fruit & Veg. News 3:310-312. Mar.5,1953. 280.38 Q3

52388 WARNE, L. G. G. Spacing experiments on vegetables. VII. The growth and yield of globe beet, parsnips and carrots grown at several spacings in two adjacent fields of different fertility. J. Hort. Sci. 28:114-120. Apr.1953. 80 J825

52389 WASER. Zur diesjährigen kartoffelbestellung. Hannoversche Land- u. Forstwirt. Ztg. 106:355. Mar.21, 1953. 18 H194

52390 WATTS, G. S. On getting vegetables early. Pa. Farmer 148:362-363. Apr.11,1953. 6 P383

52391 WATTS, V. M., and HALL, C. V. Time of setting and condition of plants influence tomato yields. Ark. Farm Res. 2:5. Spring 1953. 100 Ar42F

52392 WEIBEL, E. Alphabetische saat- und pflanztabelle für treib- und freilandgemüse. Ed. 5,rev. Bern, Verbandsdruckerei AG,1952. 16 p. 33.27 W42

52393 WENK, H., and ARENZ, B. Die leistungen unserer kartoffelsorten. Landwirt. Wchnbl. 143:443-444, 470. Apr.4-11,1953. 18 L2338
Germany.

52394 WEYDAHL, E. Lettuce at Kvithamar. (In Norwegian.) Gartneryrket 43:248-250. Mar.28;1953. 80 G1938

52395 WHITAKER, T. W., and BOHN, G. W. Natural cross pollination in muskmelon. Amer. Soc. Hort. Sci. Proc. 60:391-396. Dec.1952. 81 So12

52396 WHITLOCK, R. The land first. X. The potato's value on the farm. Field 201:461-462. Mar.19,1953. 10 F45
Culture, varieties, and soils in Great Britain.

52397 WITTE. Lohnt das topfen von gemüsepflanzen? Deut. Landwirt.-Gesell. Mitt. 68:282. (Cont.) Mar.19, 1953. 18 N39

52398 WORK, P. The tomato. New York,Orange Judd,1952. 136 p. Ref. 91.58 W89T

52399 WORK, P. Vegetables for the venturesome. Pop. Gard. [Albany] 4(4):45,105-107. Apr.1953. 80 P812

52400 YAMAGUCHI, M., ROBINSON, B., and MACGILLIVRAY, J. H. Some horticultural aspects of the food value of carrots. Amer. Soc. Hort. Sci. Proc. 60: 351-358. Ref. Dec.1952. 81 So12

WEEDS AND POISONOUS PLANTS

52401 ÅBERG, E. Effect of pure 2-methyl-4-chlorophenoxyacetic acid and closely related chemical substances. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:95-108. 1952. 64.9 Up6
English summary.
Sweden.

52402 ÅBERG, E. Hormone derivatives against bush vegetation in natural grassland. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:71-78. Ref. 1952. 64.9 Up6
English summary.
Sweden.

52403 ÅBERG, E., and HAGSAND, E. Hormone derivatives in undersown crops and in grass seed production fields. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:62-70. 1952. 64.9 Up6
English summary.
Sweden.

52404 ABERG, E., KNUTSSON, G., and ROLAND, M. Isopropyl phenyl carbamate against wild oats. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:25-39. 1952. 64.9 Up6
English summary.
Sweden.

52405 ABERG, E. Methoxone esters in weed control. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:121-122. 1952. 64.9 Up6
English summary.

52406 ÅBERG, E. Weed control in agriculture. (In Swedish.) Svensk Jordbrforsk. 1953:57-65. 11 J763

52407 ALBAN, E. K., and COMIN, D. Chemical weeding cuts labor; increases yield. Ohio Farm & Home Res. [Ohio Sta.] 38:25-26,35. Mar./Apr.1953. 100 Oh3S
Weed control in sweet corn fields.

52408 ALBAN, E. K. Octachlorocyclohexanone and methyl, ethyl, and isopropyl esters of trichlorobenzoic acid. No. Cent. Weed Control Conf. Proc. 9:98-99. 1952. 79.9 N81

52409 ALBAN, E. K. Pre- and post-emergence weed control in onions. No. Cent. Weed Control Conf. Proc. 9: 77-81. 1952. 79.9 N81

52410 ALBAN, E. K. Weed killers to the rescue. Horticulture 31:159,185. Apr.1953. 80 H787

52411 ALBEE, L. R. Broom snakeweed (Guitierrezia sarothrae). S. Dak. Stockgrower 7(2):22. Mar.15,1953. 49 So84

52412 ANDERSEN, E. T. Chemical weed control studies with sugar beets. No. Cent. Weed Control Conf. Proc. 9:77. 1952. 79.9 N81

52413 ANDERSON, W. R. Wild grape vines can be brought under control with spraying. Ohio Farm & Home Res. [Ohio Sta.] 38:30-31. Mar./Apr.1953. 100 Oh3S

52414 BAILEY, J. S. Poison ivy [Toxicodendron radicans] identification, precautions, eradication. Mass. U. Agr. Ext. Spec. C. 190,2 p. Mar.1952. 275.29 M38Isc

52415 BARABE, R. Mauvaises herbes et herbicides. Ferme 14(7):35,64-65. Mar.1953. 7 F38

52416 BARRONS, K. C. Herbicide application; some considerations in choosing methods. J. Agr. & Food Chem. 1:45-47. Apr.1,1953. 381 J8223

52417 BATES, G. Some aspects of pre-emergence spraying with 2,4-D. Queensland Soc. Sugar Cane Technol. Proc. 20:111-113. 1953. 65.9 Q332

52418 BEATTY, R. H. Brush control in the future. No. Cent. Weed Control Conf. Proc. 9:57-59. 1952. 79.9 N81

52419 BEATTY, R. H. Brush control; status of chemical methods. J. Agr. & Food Chem. 1:178-181. Ref. Apr.15,1953. 381 J8223

52420 BECK, T. V. The persistent perennial weed problem in the western Canadian provinces. No. Cent. Weed Control Conf. Proc. 9:14-15. 1952. 79.9 N81

52421 BIRIUKOVA, V. S. Chemical control of quackgrass. (In Russian.) Les i Step' 4(12):74. Dec.1952. 99.8 L565
Isopropylphenylcarbamate.

52422 BLACKMAN, G. E. Herbicides: their use and abuse. Farmers' Club. J. 3:190-200. 1953. 10 L84
Includes discussion.

52423 BOER, H. T., and WOUDA, K. P. Chemical weed control 1952. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:74-85. 12 N38Vg

52424 BOND, J. Triumph of dogged research work. Veldtrust 14:9-10. Jan.1953. 56.8 V54
Effect of 2,4-D on Stoebe vulgaris invading pastures.

52425 BOWLES, E. J. 2,4-D for morning glory control in vineyards. West. Fruit Grower 7(3):28. Mar.1953. 95.8 G762

52426 BREMER, H. Licht- und schattenseiten der modernen unkrautbekämpfung. Deut. Landwirt.-Gesell. Mitt. 68:286-287. Mar.19,1953. 18 N39

52427 BROWN, D. A. Wild oats - cultural control. No. Cent. Weed Control Conf. Proc. 9:22-23. 1952. 79.9 N81

52428 BUCHHOLTZ, K. P. Control of weeds in canning peas with MCP. No. Cent. Weed Control Conf. Proc. 9:75-76. 1952. 79.9 N81

52429 BUCHHOLTZ, K. P. Strengthening industry-government cooperation through the NCWCC. No. Cent. Weed Control Conf. Proc. 9:45-46. 1952. 79.9 N81

52430 BUCHHOLTZ, K. P. Weed control - a key to production. No. Cent. Weed Control Conf. Proc. 9:1-2. 1952. 79.9 N81

52431 BUSHUE, H. J. Control of weeds in strawberries by use of 24DS. Oreg. State Hort. Soc. Proc. 67: 53. 1952. 81 Or32

52432 CARDER, A. C. Quack or couch grass [Agropyron repens]. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:1-11. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52433 CARSTENS, M. W. Weed sprays help pea industry in the Pacific Northwest. Food Packer 34(4):48, 50,52. Apr.1953. 286.83 C165

52434 CASTENSON, R. F. Using chemicals to control weeds in asparagus. Canner 116(13):7,18-19. Mar.28, 1953. 286.83 C16

52435 CHAFFIN, W. Weed control. Okla. Agr. Col. Ext. C. 582,20 p. n.d. 275.29 Ok41C

52436 CHAMBERLIN, J. C. Characteristics of airplane spray patterns at low flight elevations. No. Cent. Weed Control Conf. Proc. 9:42-43. 1952. 79.9 N81

52437 CHAMBIONNAT, A. Neutralisation de l'activité herbicide du 2. 4. D. par les eaux calcaires. Terre Marocaine 27:99-100. Mar.1953. 24 T44

52438 CHOUARD, P. Recherches expérimentales sur deux propriétés des auxines liposubles de desherbage sélectif des céréales: la résistance de la pluie et la volatilité. Acad. d'Agr. de France. Compt. Rend. 39:74-82. Jan.14/21,1953. 14 P215Bc

52439 CHURCHWARD, E. H. Further observations in chemical weed control. Queensland Soc. Sugar Cane Technol. Proc. 20:115-118. 1953. 65.9 Q332

52440 COCK, R. E. Noxious weeds of Tasmania. Tasmanian J. Agr. 24:86-90. Feb.1,1953. 23 T182T
Xanthium spinosum, Convolvulus arvensis, and Silene inflata.

52441 COCK, R. E. Spraying roadsides for the control of woody growths. Tasmanian J. Agr. 24:34-36. Feb.1,1953. 23 T182T

52442 CORNS, W. G. Chemical control of persistent perennial weeds in western Canada. No. Cent. Weed Control Conf. Proc. 9:15-17. 1952. 79.9 N81

52443 COUPLAND, R. T. Dominion-financed weed surveys in western Canada, 1952. No. Cent. Weed Control Conf. Proc. 9:12-13. 1952. 79.9 N81

52444 COUPLAND, R. T. Hoary cress [Lepidium draba], Russian knapweed [Centaurea repens], toadflax [Linaria vulgaris], and all other upland perennial herbaceous weeds. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:27-32. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52445 COUPLAND, R. T. Life history studies of weeds. No. Cent. Weed Control Conf. Proc. 9:35-36. 1952. 79.9 N81

52446 COUPLAND, R. T. Use of herbicides in control of perennial herbaceous weeds hoary cress [Lepidium draba], Russian knapweed [Centaurea repens], toadflax [Linaria vulgaris], and all other perennial herbaceous weeds. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8: 25-37. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52447 CRAIG, H. A. Cultural and other control methods of persistent perennial weeds. No. Cent. Weed Control Conf. Proc. 9:17-18. 1952. 79.9 N81

52448 CRAWFORD, A. Divided opinions help alarming spread of Nassella tussock. New Zeal. Farmer 73(26): 3. Feb.26,1953. 23 N484

52449 CURTIS, O. F. Chemical weed control in nursery tree rows. Amer. Soc. Hort. Sci. Proc. 60:109-116. Dec.1952. 81 So12
Fruit.

52450 DALLYN, S. Herbicidal action of oils. N. Y. (Cornell) Agr. Expt. Sta. Mem. 316,43 p. Ref. Feb.1953. 100 N48C

52451 DANIEL, H. Tintillos, ajies y daturas. U. de Antioquia 110:333-347. Jan./Feb.1953. 110 Un3
Poisonous plants in Colombia.

52452 DARROW, R. A., REYES, L., and HALL, R. A. Chemical control of huisache [Acacia farnesiana]. Tex. Agr. Expt. Sta. Prog. Rpt. 1560,3 p. Mar.9,1953. 100 T31P

52453 DARROW, R. A., REYES, L., and HALL, R. A. Response of Lindheimer pricklypear [Opuntia lindheimeri] to 2,4,5-T and other herbicides. Tex. Agr. Expt. Sta. Prog. Rpt. 1561,4 p. Mar.9,1953. 100 T31P

52454 DEITEMEYER, C. Get those weeds with 2,4-D! Nebr. Farmer 95(7):8,62. Apr.4,1953. 6 N27

52455 DERSCHEID, L. A. A balanced weed control program. No. Cent. Weed Control Conf. Proc. 9:93-95. 1952. 79.9 N81

52456 DERSCHEID, L. A. Leafy spurge [Euphorbia esula]. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9: 15-18. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52457 DERSCHEID, L. A. Spring sown grain. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:53-62. 1951. 79.9 N81R
Reaction to herbicides.
Includes abstracts of cooperators' reports.

52458 DUNHAM, R. S. Annual, winter annual and biennial grassy and broadleaved weeds. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:33-49. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52459 DURR, E. Brush control on rights of way by basal, stem, and trunk treatment. No. Cent. Weed Control Conf. Proc. 9:64-65. 1952. 79.9 N81

52460 DUSSERD, R. Le desherbage des céréales par les hormones. Tarn-et-Garonne Agr. 16:47-48. Mar.1953. 14 T17

52461 DUTTON, W. C. New herbicides. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:138-146. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52462 DUTTON, W. C. New herbicides. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:151-154. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52463 DUTTON, W. C. Other new materials. No. Cent. Weed Control Conf. Proc. 9:102. 1952. 79.9 N81
Herbicides.

52464 EGGEBRECHT, H. Die moderne reinigung der landwirtschaftlichen feinsämereien von schädlichen unkrautsamen. Deut. Agrartech. 3:53-54. Feb.1953. 58.8 D482

52465 ELDER, W. C. Sorghums. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:70-71. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52466 ELDER, W. C. Sorghums. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:98-99. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52467 ELWELL, H. M. Brush control of hardwoods for grass production. No. Cent. Weed Control Conf. Proc. 9:53-56. 1952. 79.9 N81

52468 FINNERTY, D. W. Annual and winter annual weedy grasses. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:38-46. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52469 FOSTER, J. R. Canada [Cirsium arvensis] and perennial sow [Sonchus arvensis] thistle. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:23-26. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52470 FOSTER, J. R. Comparison of present methods of application. No. Cent. Weed Control Conf. Proc. 9:36-38. 1952. 79.9 N81

52471 FRISSELLE, P., and STILLMAN, D. Herbicides. Chem. & Engin. News 31:1175-1177. Mar.23, 1953. 381 J825N

52472 GENZER, E. P. Mechanical weeding of strawberries. Oreg. State Hort. Soc. Proc. 67:55. 1952. 81 Or32

52473 GILBERT, C. Pending weed control legislation. No. Cent. Weed Control Conf. Proc. 9:87. 1952. 79.9 N81

52474 GRANSTRÖM, B., and OTTOSSON, L. Dinitro butyl phenol as a weed killer. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:40-51. Ref. 1952. 64.9 Up6
English summary.
Sweden.

52475 GRANSTRÖM, B. New weed killers. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:109-120. Ref. 1952. 64.9 Up6
English summary.

52476 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Weed control in linseed and flax by selective herbicides. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 345,5 p. Jan.1953. 10 G79La

52477 GREEN, K. R. The weed patch: noogoora burr. (Xanthium pungens). (Compositae—daisy family). Milk Bd. J. 4(2):25. Feb.1953. 44.8 M5934

52478 GRIGSBY, B. H. Control of weeds hazardous to health. No. Cent. Weed Control Conf. Proc. 9:90-91. 1952. 79.9 N81

52479 GRIGSBY, B. H. Sugar beets. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:112-117. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52480 GRIGSBY, B. H. Turf. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:142-143. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52481 HAGAN, A. B. Our County weed control program, organization and accomplishments. No. Cent. Weed Control Conf. Proc. 9:82. 1952. 79.9 N81
Murray County, Minnesota.

52482 HANSEN, H. L. Control of woody plants. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:147-164. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52483 HANSEN, H. L. Control of woody plants. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:51-72. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52484 HANSON, H. L. Some observations on population dynamics of secondary woody vegetation. No. Cent. Weed Control Conf. Proc. 9:51-53. 1952. 79.9 N81

52485 HARTOGENSIS, H. How to control scrub oaks and other hardwoods. Tex. Livestock J. 12(3):8. Mar. 1953. 49 T29

52486 HARTOGENSIS, H. Spray burroweed [Aplopappus fruticosus] and kill it. Ariz. Cattlelog 8(7):34-35. Mar.1953. 43.8 Ar42

52487 HELGESON, E. A. Control methods followed in the United States. No. Cent. Weed Control Conf. Proc. 9:25-26. 1952. 79.9 N81

52488 HELGESON, E. A. Sugar beets. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:139-141. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52489 HELLQVIST, H. Spraying technique and the use of chemical weed killers. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:78-94. Ref. 1952. 64.9 Up6
English summary.

52490 HEMPHILL, D. D. CMU as a herbicide for horticultural crops. No. Cent. Weed Control Conf. Proc. 9:70-71. 1952. 79.9 N81

52491 HEMPHILL, D. D. Fruits and ornamentals. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:135-138. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52492 HEMPHILL, D. D. Herbicidal use of sodium 2,4-dichlorophenoxethyl sulfate (SES) and 2,4-dichlorophenoxyethyl benzoate (SESIN). No. Cent. Weed Control. Conf. Proc. 9:99. 1952. 79.9 N81

52493 HOLM, L. Maleic hydrazide. No. Cent. Weed Control Conf. Proc. 9:99-100. 1952. 79.9 N81

52494 HOLM, L. G. Other vegetable crops. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:126-134. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52495 HOLM, L. G. Sweet corn and potatoes. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:118-120. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52496 HOLZ, W. Notwendigkeit von unkrautbekämpfung im gemüse. Landwirtbl. Weser-Ems 100:317-318. Mar.19,1953. 18 L2345

52497 HUBERT, K. Drei jahre chemische unkrautbekämpfung in Sachsen-Anhalt. Deut. Landwirt. 4:87-90. Ref. Feb.1953. 18 D4822

52498 INMAN, W. D. The role of the farm press in better weed control. No. Cent. Weed Control Conf. Proc. 9:50. 1952. 79.9 N81

52499 JEANTY, G. Pflanzenpflege und pflanzenschutz. II,IV. Bauer 25(9):3-4; (11):3. Mar.1,15,1953. 281.8 B323
Weed control and soil aeration.

52500 JOY, A. F. A poison paste for poison ivy [Toxicodendron radicans]. New Eng. Homestead 126(6): 20. Mar.28,1953. 6 N442

52501 KELLEY, W. R. Study of seed identification and seed germination of Potentilla spp. and Veronica spp. N. Y. (Cornell) Agr. Expt. Sta. Mem. 317,31 p. Ref. Jan. 1953. 100 N48C

52502 KERSTING. Wuchsstoffhaltige unkrautbekämpfungsmittel im grünland. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:623. Apr.9,1953. 18 L2346

52503 KLINGMAN, D. L. Pasture and range grasses. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:90-91. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52504 KLINGMAN, D. L. Weeds in pastures. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:116-118. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52505 KLINGMAN, G. C. Spray more—hoe less. Carolina Co-op. 31(3):10-11,22. Mar.1953. 72.8 N81
2,4-D for weed control in corn.

52506 KLOOR, L. A. Chemical weed control. Calif. Sugar Beet 1952:48-49. 66.9 C12

52507 KNOWLES, G. Broad-leaved weeds. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:47-52. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52508 KRATOCHVIL, D. E. Quack grass [Agropyron repens]. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:4-12. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52509 KUMAR, L. S. S., and SOLOMON, S. The role of synthetic hormones in combating weeds of the Bombay State. Poona Agr. Col. Mag. 43:61-69. Aug.1952. 22 P79

52510 LACHMAN, W. H. Research wages chemical warfare on weeds. Res. Rev. [Mass. Sta.] 2;8-9,15. Jan. 1953. 100 M38R

52511 L'ARRIVEE, J. C. M. Chemical weed control in peas. No. Cent. Weed Control Conf. Proc. 9:68-69. 1952. 79.9 N81

52512 LARSON, A. H. Some new weed problems. No. Cent. Weed Control Conf. Proc. 9:88-90. 1952. 79.9 N81
Minnesota.

52513 LAVERTY, C. O. Service organizations' part in a planned brush control program. No. Cent. Weed Control Conf. Proc. 9:65-67. 1952. 79.9 N81

52514 LE DOUX, J. Weeding, cultivation, lallang [Imperata cylindrica], silt-pitting &c. Planter 29:25-35. Jan.1953. 78.8 P69
Control of weeds in Hevea plantations in Malaya.

52515 LEE, O. C. Johnson grass (Sorghum halepense). (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:13-16. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52516 LEE, O. C. Johnsongrass [Sorghum halepense]. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:12-14. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52517 LEGGETT, H. W. Chemical control of wild oats (Avena fatua). No. Cent. Weed Control Conf. Proc. 9: 23-25. 1952. 79.9 N81
Includes abstracts of cooperators.

52518 LOOMIS, W. E. Basic studies. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:155-161. 1952. 79.9 N81R
Herbicides.
Includes abstracts of cooperators' reports.

52519 LOVVORN, R. L. 10 steps in chemical weed control for humid areas in 1953. Cotton Gin & Oil Mill Press 54(8):30. Apr.11,1953. 304.8 C822

52520 MACDONALD, W. P. Defoliants, desiccants and pre-harvest weed control. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:144-150. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52521 MACDONALD, W. P. New aspects of weed control in flax in the United States. No. Cent. Weed Control Conf. Proc. 9:11-12. 1952. 79.9 N81

52522 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. DEPT. OF BOTANY. Polygonum cuspidatum (Japanese knotweed). Mass. U. Agr. Ext. Spec. C. 198,1 p. June 18,1952. 275.29 M38Isc

52523 MATHER, H. J. Weed screenings and their disposal. No. Cent. Weed Control Conf. Proc. 9:18-19. 1952. 79.9 N81

52524 MEADLY, G. R. W. How weeds spread. Queensland Fruit & Veg. News 3:314-315. Mar.5,1953. 280.38 Q3

52525 MILDNER, T. Giftpflanzen in wald und flur. Ed. 2. Leipzig,Geest & Portig,1952. 49 p. (Die neue Brehm-Bücherei; das Leben der Tiere und Pflanzen in Einzeldarstellungen 39) 452.83 M59

52526 MILLER, J. H. Leguminous forages. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:107-115. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52527 MILLER, J. H. Soybeans, peas, and leguminous forage. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:72-89. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52528 MILLS, H. O. Control those weeds in corn and small grains. East. States Coop. 29(4):11-13. Apr.1953. 280.28 Ea7

52529 MINARIK, C. E., and NORMAN, A. G. Herbicides; chemical weed control. J. Agr. & Food Chem. 1: 42-44. Apr.1,1953. 381 J8223

52530 MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. Chemical weed control guides. Miss. Agr. Expt. Sta. C. 177,22 p. Feb.1953. 100 M69

52531 MOORE, D. M. Poisonous plants in Arkansas. (Abs.) Ark. Acad. Sci. Proc. 5:12. 1952. 500 Ar42

52532 MORQUER, R., RIVALS, P., and ANDRAL, L. "Le Galega officinal," ou sainfoin d'Amérique, est-il toxique pour les animaux? Terre d'Oc 35:46-51. Feb. 1953. 14 Ar5

52533 NELSON, R. T. Control of wild oats and volunteer grain in sugar beets with IPC. No. Cent. Weed Control Conf. Proc. 9:73-75. 1952. 79.9 N81

52534 NOONE, J. A. Complying with government regulations in merchandising herbicides United States. No. Cent. Weed Control Conf. Proc. 9:47. 1952. 79.9 N81

52535 NOONE, J. A. Problems in registration of herbicides. No. Cent. Weed Control Conf. Proc. 9:95-98. 1952. 79.9 N81

52536 NORTH CENTRAL WEED CONTROL CONFERENCE. Research report, eighth annual conference, Oklahoma City, Oklahoma, December 11, 12, and 13, 1951. n.p.,1951. 183 p. 79.9 N81R

52537 NORTH CENTRAL WEED CONTROL CONFERENCE. Research report, ninth annual conference, Winnipeg, Canada, December 9, 10 and 11, 1952. n.p., 1952. 165 p. 79.9 N81R

52538 NORTH CENTRAL WEED CONTROL CONFERENCE, 9, WINNIPEG, 1952. Joint meeting of the North Central Weed Control Conference, 9th annual, and the Western Canadian Weed Control Conference, 6th annual, December 9, 10, 11, 1952. n.p.,1952. 126 p. 79.9 N81

52539 NYLUND, R. E. The control of weeds in onions with pre-emergence sprays. No. Cent. Weed Control Conf. Proc. 9:71-72. 1952. 79.9 N81

52540 NYLUND, R. E. Onions, potatoes, and sweet corn. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9: 119-125. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52541 NYLUND, R. E. Small fruits and ornamentals. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:105-111. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52542 OBERHAUSER, S. J. Weed control on railroad right-of-way. No. Cent. Weed Control Conf. Proc. 9:86-87. 1952. 79.9 N81

52543 OLSON, P. J. Flax. No. Cent. Weed Control. Conf. Res. Rpt. 8:92-104. 1951. 79.9 N81R
Includes abstracts of cooperators reports.

52544 OSVALD, H. "Research on weed control" at the Institute of Plant Husbandry 1949-1951. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:7-10. 1952. 64.9 Up6
English summary.

52545 OSVALD, H., and ÅBERG, E. Weed control. (In Swedish.) Sweden. Lantbrhögsk. Inst. f. Växtodlingslara. Växtodling 7:123-148. 1952. 64.9 Up6
English summary.
Herbicide research.

52546 OVERHOLT, P. M. Complying with government regulations in merchandising herbicides. No. Cent. Weed Control Conf. Proc. 9:46-47. 1952. 79.9 N81

52547 PALMER, C. B. Killing garden weeds. Wesfarmers News 1(1):19. Jan.22,1953. 23 W51

52548 PAVLYCHENKO, T. K. Leafy spurge [Euphorbia esula]. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:17-22. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52549 PEABODY, D. V. Chemical weed control in strawberry fields. Oreg. State Hort. Soc. Proc. 67:51-52. 1952. 81 Or32

52550 PETERSEN, H. I. Control of weeds in agriculture. (In Danish.) (Sum.) Tolvmandsbladet 25:94-95. Apr.1953. 11 T58

52551 PEUSS, H. J. Vernichtet das unkraut! Deut. Bauern Kal. 1953:136-137. 18 D4826
Russian Zone of Germany.

52552 PHILLIPS, W. M. Weed control. Kans. Agr. Expt. Sta. C. 289:24-25. Sept.5,1952. 100 K13S

52553 PHILLIPS, W. M. Weed control in fall sown grain. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9: 85. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52554 PINHEIRO, J. V., and KRUG, H. P. Alguns herbicidas modernos no contrôle da tiririca (Cyperus rotundus L.) [Some modern herbicides used in the control of nut grass (Cyperus rotundus L.)]. Co. Paulista de Estradas de Ferro. Serv. Florestal. B. 3,16 p. 1952. 99.9 C738

52555 PISTOR, W. J. Watch out for poisonous plants; good management of the range is best control recommendation. Prog. Agr. Ariz. 5:5,9. Apr./June 1953. 6 P9452

52556 PLAYFAIR, L. Dormant spraying of woody growth. No. Cent. Weed Control Conf. Proc. 9:63-64. 1952. 79.9 N81

52557 PRASAD, N. Control of Orobanche on tobacco. Bansilal Amritlal Agr. Col. Mag. 6:12-13. Sept.1952. 22 B22
Use of 2,4-D.

52558 REID, J. J. 2,4-D at usual rates harmless to soil; changed rapidly into other compounds. Pa. Agr. Expt. Sta. B. 553(sup.2):2. Mar.1953. 100 P381

52559 RICHARDSON, J. M. Weeds of South Australia; onion weed (Asphodelus fistulosus L). So. Austral. Dept. Agr. J. 56:315-317. Feb.1953. 23 So84

52560 ROBINSON, R. G. Flax. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:86-92. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52561 SCHENK, P. J. Control of weeds with growth substances. (In Dutch.) Boerderij 37(22):8. Feb.25, 1953. 12 B63

52562 SCOTT, D. B. Weed killers. West. Dairy J. 9(6):9-12,14. Apr.1,1953. 44.8 W524

52563 SHAW, A. F. Ways and means of getting information on weeds and their control to the farmer. No. Cent. Weed Control Conf. Proc. 9:81-82. 1952. 79.9 N81

52564 SILVERSIDES, W. H. New aspects of weed control in flax. No. Cent. Weed Control Conf. Proc. 9:5-6. 1952. 79.9 N81

52565 SLAATS, M., and STRYCKERS, J. Destruction des plantes adventices dans les herbages. (In Dutch.) Inst. pour l'Encour. de la Rech. Sci. dans l'Indus. et l'Agr. Compt. Rend. de Rech. 9:55-84. Jan.1953. 330.9 In7C
French summary.
Belgium.

52566 SLIFE, F. W. Preharvest spray and crop desiccants. No. Cent. Weed Control Conf. Proc. 9:91-92. 1952. 79.9 N81

52567 SLIFE, F. W. Soybeans and peas. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:100-106. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52568 STAHLER, L. M. Contact herbicides as preharvest defoliants or desiccants. J. Agr. & Food Chem. 1:183-187. Ref. Apr.15,1953. 381 J8223

52569 STERLING, G. R. Application of Canadian weed control legislation. No. Cent. Weed Control Conf. Proc. 9:82-85. 1952. 79.9 N81

52570 STUCCHI, C. New weeds in rice fields. (In Italian.) Riso 2(3):16-18. Mar.1953. 59.8 R49

52571 SUGGITT, J. W. Recent research in chemical brush control. No. Cent. Weed Control. Conf. Proc. 9:59-63. 1952. 79.9 N81

52572 SULLIVAN, T. J. Chemical brush control along telephone lines in Iowa. No. Cent. Weed Control Conf. Proc. 9:67. 1952. 79.9 N81

52573 THOMAS, E. A. There's no profit in burning broomsedge. W. Va. Conserv. 16(12):10-11. Feb.1953. 279.8 W524

52574 THOMSON, C. L., and LACHMAN, W. H. Weed control chart for vegetables, 1953. Mass. U. Agr. Ext. Spec. C. 163,rev.,2 p. Feb.1953. 275.29 M38Isc

52575 TIMMONS, F. L. India's silent invader. Co-op Grain Q. 11:83-86. Mar.1953. 280.28 C7898
Kans grass, Saccharum spontaneum.

52576 TINGEY, D. C. Biscuitroot [Lomatium leptocarpum] seriously reduces yield of winter wheat. Farm & Home Sci. [Utah Sta.] 14(1):12-13,21-22. Mar.1953. 100 Ut1F

52577 UHL, H. Untersuchungen über die anwendung von kalkstickstoff und feinkainit gegen die ackerunkräuter auf kalkböden. (Sum.) AID Rundschau 2:16. Apr.1952. 18 Ai2

52578 UJVÁROSI, M. Die unkrautarten der ungarischen ackerböden und ihre lebensformanalyse. Acta Agron [Budapest] 2:237-274. Ref. 1952. 19 Ac8
English summary.

52579 U. S. COLUMBIA BASIN INTER-AGENCY COMMITTEE. LAND SUBCOMMITTEE. Report on recommendations, Noxious Weed Task Force. n.p.,1952. 5 p. 173 C722R

52580 U. S. DEPT. OF AGRICULTURE. LIBRARY. LOUISIANA BR. Plants poisonous to livestock, selected references, by H. Boyd. New Orleans?1952. 7 p. 1.916 L93P

52581 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The latest on weed control, by W. C. Shaw, A. O. Kuhn, and K. M. Gapen. Washington,Jan.31, 1953. 3 p. 1.914 R2R11

52582 VERDCOURT, B. Notes on tropical African dodders [Cuscuta]. East African Agr. J. 18:85-86. Oct. 1952. 24 Ea74

52583 WALTER, J. Highway maintenance problems solved by research. Roads & Engin. Constr. 91(3):142-144,176,178,180-181. Mar.1953. 290.8 C16A
Includes chemical weed and brush control.

52584 WARREN, G. F., and LARSON, J. E. Herbicidal mixtures for weed control in vegetable crops. No. Cent. Weed Control Conf. Proc. 9:72-73. 1952. 79.9 N81

52585 WARREN, G. F. N-1 naphthyl phthalamic acid. No. Cent. Weed Control Conf. Proc. 9:100-101. 1952. 79.9 N81

52586 WARREN, G. F. Vegetable crops. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:121-137. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52587 WELCH, H., and MORRIS, H. E. Range plants poisonous to livestock in Montana. Mont. Agr. Expt. Sta. C. 197,35 p. Jan.1952. 100 M76

52588 WESTMORELAND, W. G., and KLINGMAN, G. C. Chemical weed control in corn. Farmers Fed. News 33(7):10,23. Mar.1953. 280.28 F225

52589 WILLARD, C. J. Corn. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:65-69. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52590 WILLARD, C. J. Corn. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:93-97. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

52591 WILLARD, C. J. Review of work with CMU as an herbicide. No. Cent. Weed Control Conf. Proc. 9: 101-102. 1952. 79.9 N81

52592 WINTON, C. Coordination of the work between regulatory people of the States and provinces of Canada. No. Cent. Weed Control Conf. Proc. 9:85-86. 1952. 79.9 N81

52593 WOESTEMEYER, V. W. Field bindweed [Convolvulus arvensis]. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:23-24. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52594 WOLD, A. Spraying of weeds. (In Norwegian.) Samvirke [Oslo] 48:163-165. Mar.15,1953. 280.28 Sa4

52595 WOLF, D. E. Weed control, pre-emergence methods. J. Agr. & Food Chem. 1:181-183. Ref. Apr.15, 1953. 381 J8223

52596 WOOD, H. E. The occurrence and the problem of wild oats in the weed conference area. No. Cent. Weed Control Conf. Proc. 9:20. 1952. 79.9 N81

52597 YOUNG, D. W., and LOOMIS, W. E. Control of vegetation on roadbeds and similar areas. No. Cent. Weed Control Conf. Proc. 9:47-50. 1952. 79.9 N81

52598 ZAHNLEY, J. W. Fall-planted wheat, oats, and barley. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:63-64. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

52599 ZAHNLEY, J. W. Field bindweed [Convolulus arvensis]. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:19-22. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

MISCELLANEOUS ECONOMIC PLANTS
(Drug, Dye, Rubber, Etc.)

52600 BERNER, U. Die bienenweide im März. Deut. Bienenztg. 8:39-41. Mar.1,1953. 424.8 D488

52601 BORGSTROM, G. Livsmedelsproduktion genom algodling [Food production through growing algae]. Svenska Inst. f. Konservforsk. P. 74,5 p. 1952. 389.9 Sv2

52602 BRUNSKILL, E. A medieval book of herbs and medicine. No. West. Nat. (n.s.)1:9-17. (Cont.) Mar. 1953. 410 N81

52603 BURTT, E. G. Where the bee sucks; a series dealing with honey plants and nectar production. Beekeepers' Rec. 71:35-36. (Cont.) Mar.1953. 424.8 B398

52604 CHATTERJEE, B. N. The cultivation of Maghai pan [Piper betle] at Gaya. Allahabad Farmer 26: 219-222. Nov.1952. 22 AL5

52605 CHEVALIER, A. La culture des poivriers dans les pays attachés à la France. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:61-62. Jan./Feb.1953. 26 R323

52606 DANIEL, J. S. Shading coffee-trees. (In Portuguese.) Lav. e Criação 7(45):33-34. Dec.1952. 49 L392

52607 DEANS, A. S. C. Honey sources. Scot. Beekeeper 29:43. Mar.1953. 424.8 Sco8

52608 EDEN, T. The use and abuse of shade trees in tea. Assam Rev. & Tea News 41:303-306. July 1952. 68.18 As7

52609 FORBES, W. A. Rubber in gardens and fields. (In Dutch.) Rubber 8:3-4. Feb.1952. 78.8 R824

52610 FREYTAG, G. F. The Coyol palm [Acrocomia mexicana] as a beverage tree. Mo. Bot. Gard. B. 41:47-49. Mar.1953. 451 M69B
Its juice used for Coyol wine.

52611 GINDEL, Y. A new industrial crop (Juncus) in the Negev. (In Hebrew.) Hassadeh 33:241-242. Jan.1952. 26 H27

52612 GONZALEZ GUERRERO, P. El nuevo fertilizante orgánico mundial (ficoguanoide) y la planta productora (Microcoleus chthonoplastes Thur.). Madrid. Jard. Bot. An. 10(2):511-603. 1951,pub.1952. 451 M262

52613 GOWDA, M. H. M. Tung oil. n.p.,195-? 2 p. 77 G74

52614 GRIGSON, G. Wild eating. Country Life [London] 113:994-995. Apr.2,1953. 80 C83

52615 HADDOCK, D., and HERNANDEZ, L. Preferencias del consumidor por la yautia (Xanthosoma spp. [sagittaefolium]) en Puerto Rico, 1949-50, datos y cifras importantes. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 19,7 p. Jan.1952. 100 P83Es

52616 HARRINGTON, L., and HARRINGTON, R. Mostly a matter of taste. Country Guide 72(4):12,60. Apr. 1953. 7 G76
Mustard culture and industry in Canada.

52617 HEEGER, E. F. Die kräuterecke im bauerngarten. Deut. Bauern Kal. 1953:138-140. 18 D4826
Contains a list of herbs with their scientific names.

52618 HOMBERGER, E. El aceituno (Simaruba glauca—Simarubáceas). Lamatepec (ser.2)17:3579. Jan.1953. 8 L16

52619 ILLANKOON, R. L. Tea small holdings advisory service. Trop. Agr. [Peradeniya] 108:146-148. July/Sept.1952. 26 T751

52620 JACOBSON, G. Odlingstekniska försök med kautschukmaskros. Cultural-technical experiments with Taraxacum kok-saghyz during the years 1948-1951. Sweden. Stat. Jordbrförsök. Meddel. 40,29 p. Ref. 1952. 104 Up63
English summary.

52621 KOSHCHEEV, A. L. Spindle tree [Euonymus] and its cultivation. (In Russian.) Priroda 42(2):97-101. Feb.1953. 410 P933

52622 KRUG, C. A. Research conducted at Agronomy Institute. Tea & Coffee Trade J. 104(3):22,24. Mar.1953. 68.8 T22
At Campinas, São Paulo, Brazil.

52623 LAGOS UGALDE, J. A. La chayotera. Rev. de Agr. [San José] 25:56-57,59. Feb.1953. 8 Es1

52624 MAHANTA, G. C. The cultivation of kundri [Cephalandra indica] a perennial vegetable, in Bihar. Allahabad Farmer 26:203-206. Nov.1952. 22 AL5

52625 MATSUI, Y., and YOKOYAMA, C. A cultivation of panax ginseng in forest. (In Japanese.) Hokkaido Forestry Expt. Sta. Sapporo Br. Rpt. 72:1-6. July 1952. 99.9 H683
English summary.

52626 MORA, C. Plantas para la salud. Mundo Agr. 46:73. Mar.1953. 9 M92

52627 MORA, C. Plantas para la salud:el popular orozuz [Glycyrrhiza] contiene un notable principio activo. Mundo Agr. 5(45):71. Feb.1953. 9 M92

52628 MORETTI CANEDO, M. Al ají, antiguo cultivo americano, se rinde culto en las tipicas y curiosas picanterias. Mundo Agr. 5(45):76-77. Feb.1953. 9 M92

52629 NAIR, T. G. A note on the propagation of rattan cane (Calamus rotang, Linn.). Madras Agr. J. 40: 61-63. Feb.1953. 22 M262

52630 OSSADCHA-JANATA, N. Herbs used in Ukrainian folk medicine. New York,1952. 114 p. (East European Fund. Mimeographed Series 21) 459.2 Os7

52631 PACHECO ACUNA, C., and PACHECO ACUNA, D. La canela [Cinnamomum zeylanicum]: planta exótica de grandes posibilidades económicas. Hacienda 48(4):40-41. Apr.1953. 6 H11

52632 PARHAM, B. E. V. Cacao in Fiji--review and prospects. Fiji. Dept. Agr. Agr. J. 23(2):14-24. June 1952. 25 F47Ag

52633 PASSALACQUA, J. R. Atropa belladonna. Chacra 23(268):48. Mar.1953. 9 C34

52634 PHILLIP, A. G., and KHAN, M. A. Trials on the cultivation of the capegooseberry (Physalis peruviana). Punjab Fruit J. 15(53):17. Apr./July 1952. 80 P962

52635 PLEITES, A. DE R. La Salvia, una planta medicinal de gran valor. Rev. de Agr. [San José] 25:54. Feb.1953. 8 Es1

52636 PORSILD, A. E. Edible plants of the Arctic. Arctic 6:15-34. Ref. Mar.1953. 470 Ar22

52637 READER, D. E. Gutta-percha. Colon. Plant & Anim. Prod. 3:33-45. Ref. 1952/53. 472 C71
Chiefly Palaquium.

52638 RIVERA H., R. Anotaciones sobre el cultivo del cacao. Soc. Antioquena de Agr. B. Agr. 393:3815-3826. Ref. Jan.1953. 9.4 So1

52639 ROUSSY, L. L'épiaire dressée, Stachys recta (Linné) (Labiees). Gaz. Apic. 54:35,54. Feb.1953. 424.8 G25

52640 ROUSSY, L. Les merveilles de la flore mellifére: la primevére acaule ou olive. Gaz. Apic. 54: 67. Mar.1953. 424.8 G25

52641 SANTOS BILONI, J. Las propiedades de la "caroba" o jacarandá del nordeste argentino. Mundo Agr. 46:88. Mar.1953. 9 M92

52642 SCHUBERT, A. Diese bienenweidepflanzen säen wir im März. Niedersächs. Bienenfr. 3:93. Mar. 1953. 424.8 N552

52643 SCHUBERT, A. Pflanzt gartenheidelbeeren. Westfälische Bienenztg. 66:31-32. Feb.1953. 424.8 W526
Vaccinium spp.

52644 SCHUBERT, A. Zur trachtverbesserung; eine monatliche anleitung zur kultur von bienennährpflanzen. 1. Deut. Kleintier-Züchter 8(6):3-4. Mar.20,1953. 49 D483

52645 SEIDEL, K. Landgewinnung durch binsenkulturen. Kosmos 49:171-176. Apr.1953. 474 K842

52646 SILVEIRA, A. H. DA. Planting arrowroot on the farm. (In Portuguese.) Lav. e Criação 8(46):46,48. Jan.1953. 49 L392

52647 SOUZA, W. W. C. DE. Let us conquer the coffee routine. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 28(311):7-10. Jan.1953. 68.29 Sa63

52648 STEFANOVIĆ, P. M. L'Atropa belladonna peut être cultivée avec succès dans nos forêts. (In Serbo-Croatian.) Sumarstvo 5:514-519. Nov./Dec.1952. 99.8 Su63
French summary.

52649 SUBRAMANIAM, T. V., and CHANDRASEKHARAN, S. N. Talinum triangulare, Willd., family—Portulacacae, a little known wonder pot-herb. Madras Agr. J. 40:51-52. Feb.1953. 22 M262

52650 TANGANYIKA COFFEE GROWERS' ASSOCIATION. Seventeenth annual report, 1951/52. Arusha, 1952. 36 p. 68.29 T15

52651 THIELE. Praxis der weidenkätzchenvermehrung. Deut. Bienenwirt. 4:22-25. Feb.1953. 424.8 D489

52652 THOMAS, P. M. Planting notes on robusta coffee in Mysore. Indian Coffee 17:7-9. Jan.26,1953. 68.29 In23M

52653 VANDERWEYEN, R., and others. Le palmier à huile (Elaeis) et sa culture au Congo. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:1-19. Jan./Feb.1953. 26 R323
J. Moureau, E. J. E. Buyckx, G. Geortay, joint authors. With comments by A. Chevalier.

52654 XABREGAS, J., and TEIXEIRA, J. B. Economic flora of Angola. I. Oil producing plants. (In Portuguese.) Agron. Angolana 6:103-114. Ref. 1952. 24 Ag83
English summary.

SOILS AND FERTILIZERS

SOIL SCIENCE

52655 BRIND, W. D. Some German and Austrian work on soil compaction and fertility. Soils & Fert. 15: 227-230. Ref. Aug.1952. 241 Im7Sf

52656 CARLETON, R. M. Soil—basic stuff of life. Horticulture 31:162-163,174,183. Apr.1953. 80 H787

52657 CUSSAC, C. M. El curso internacional de suelos realizado en Chile. Uruguay. Inst. Nac. de Colon. B. 4(35):7-8. Jan.1953. 282.29 Ur8

52658 FRIPIAT, J. La pedologie science de base. Sillon Belge 23(546):1,3. Feb.7,1953. 13 Si3

52659 KUCK, E. R. Nos réalisations aux Brookside Farms à New-Knoxville, Ohio. Acad. d'Agr. de France. Compt. Rend. 39:125-130. Jan.28/Feb.4,1953. 14 P215Bc
Soil research.

52660 LEGGET, R. F. The term 'soil.' Nature [London] 171:574-575. Mar.28,1953. 472 N21

52661 MACAULAY INSTITUTE FOR SOIL RESEARCH. Annual report, 1951-1952. Aberdeen,1952. 52 p. 56.9 M11A

52662 MITCHELTREE, W. A. Soil is no accident. N. J. State Hort. Soc. Hort. News 34:2622-2623,2638. Mar.1953. 81 N46
New Jersey.

52663 WILDE, S. A. Soil science and semantics. J. Soil Sci. 4:1-4. Jan.1953. 56.8 J823

Soil Physics

52664 AMERICAN SOCIETY FOR TESTING MATERIALS. Symposium on consolidation testing of soils, presented at the fifty-fourth annual meeting, American Society for Testing Materials, Atlantic City, N. J., June 18, 1951. Philadelphia,1952. 109 p. (Its Special Technical Publication 126) 290 Am323Sy

52665 ANDERSSON, S. Some soil physics problems. (In Swedish.) Svensk Jordbrforsk. 1953:16-29. 11 J763

52666 BAKHTIN, P. U. Coefficient of steel friction against the soil. (In Russian.) Sel'khozmashina 1:16-21. Jan.1953. 58.8 Se42
Chiefly on physical properties of Chernozems and turfy-Podzolic soils.

52667 BARRETO, A. Krilium versus humus. (In Portuguese.) Chacaras e Quintais 87:210. Feb.15,1953. 9.2 C34

52668 BLONDEL, L. Humus, structure du sol, perméabilité. Cong. Pomol. de France. Sess. 83:119-134. Ref. 1952,pub.1953. 93.09 C7643

52669 CERIGHELLI, R., and GAND, E. Les sols de Camargue, étude physico-chimique. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:863-937. Nov./Dec.1952. 14 F8499

52670 CHILDS, E. C., COLE, A. H., and EDWARDS, D. H. The measurement of the hydraulic permeability of saturated soil in situ. II. Roy. Soc. London. Proc. Ser. A, Math. & Phys. Sci. 216:72-89. Jan.7,1953. 501 L84A

52671 COILE, T. S. Moisture content of small stone in soil. Soil Sci. 75:203-207. Mar.1953. 56.8 So3

52672 COZZI, F. H. Soil mechanics:photoelastic stress analysis; an abstract bibliography. U.S. QM Res. & Devlpmt. Lab. Tech. Libr. Bibliog. Ser. 27,15 p. Feb.1953. 152.7 B47

52673 DAY, P. R. Experimental confirmation of hydrometer theory. Soil Sci. 75:181-186. Mar.1953. 56.8 So3

52674 DEMOLIN, A. On the nutritional processus of plant as affected by soil porosity. Natl. Inst. Sci. India. Proc. 19:45-46. Jan./Feb.1953. 513 N212

52675 DEMORTIER, G., and DROEVEN, G. Etude de l'évolution des propriétés physiques des sols humides soumis au drainage en relation avec le rendement des cultures. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:48-56. 1952. 105.1 G285

52676 DUCHAUFOUR, P. De l'influence de la chaleur et des radiations sur l'activation de l'humus forestier. Rev. Forest. Franç. 3:204-212. Mar.1953. 99.8 R329

52677 EBERT, D. Die krümelbeständigkeit des bodens in abhängigkeit vom pflanzenbestand. I-II. Deut. Landwirt. 4:39-42,90-94. Jan.-Feb.1953. 18 D4822
Russian Zone.

52678 EGLE, K. Krilium. Umschau 52:495-497. Aug.15,1952. 474 Um7

52679 EVANS, D. D. Effect of combined pressure and concentration gradients on gaseous flow through soils. (Abs.) Iowa State Col. J. Sci. 27:165-166. Jan.1953. 470 Io9

52680 FERNANDEZ ALONSO, J. I., COSTELL LANDETE, F., and LLORET VALLTERRA, J. Estudio físico químico de las arcillas del levante español. IV. An. de Edafología y Fisiol. Veg. 12:1-17. Ref. Jan.1953. 506 Sp12
English summary.

52681 HENIN, S. Le tassement des sols et sa mesure. Culture 40:5-10. Jan./Feb.1953. 14 C894

52682 HØJENDAHL, K. Recording the climate in the old experimental field. Denmark. Vet.- og Landbohøjsk. Årsskr. 1953:21-47. 104 D41A
Soil moisture measurements.

52683 IRMAY, S. Darcy law for non-isotropic soils. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:178. 1951. 292.9 As7A

52684 JAKOBSEN, J. M., and others. To what extent is wet soil colder than dry soil? Denmark. Vet.- og Landbohøjsk. Årsskr. 1953:15-20. 104 D41A
C. Sørensen, V. Middelboe, J. Madsen, and K. Højendahl, joint authors.

52685 JUSCAFRESSA, B. Humedad y colorido de las tierras en los cultivos de invierno. Cult. Mod. 36:16. Jan.1953. 15 C89

52686 KÄMPF, R., and WAGNER, M. Untersuchungen über den einfluss von pflanzenschutzmitteln auf die bodenkrümelung. Z. f. Pflanzenbau u. Pflanzenschutz 3:247-253. 1952. 464.8 P88

52687 KELLER, S. About the new soil conditioners. Camellia Rev. 14(2):3. Nov.1952. 97.31 So82
Krilium.

52688 LAMM, R. Krilium for garden soils. (In Swedish.) Svensk Jordbrforsk. 1953:97-99. 11 J763

52689 LEMMON, A. B. Polyelectrolytic soil amendments. Assoc. Amer. Fert. Control. Off. Off. P. 6:56-61. Nov.1952. 57.9 As7

52690 LISTOWSKI, A. The influence of periodic soil moisture fluctuation on the development and changeability of several barley varieties. (In Polish.) Rocz. Nauk Roln. 65:7-32. Ref. 1952. 20.5 R59
English summary.

52691 LOW, P. F., and DEMING, J. M. Movement and equilibrium of water in heterogeneous systems with special reference to soils. Soil Sci. 75:187-202. Ref. Mar.1953. 56.8 So3

52692 MARTIN, W. P., and VOLK, G. W. Soil conditioners and fertilizers. Sugar J. 15(11):30-33. Apr. 1953. 65.8 Su391

52693 MY, P. Le krilium conditionneur du sol. Terre d'Oc 35:73-77. Feb.1953. 14 Ar5

52694 ØDELIEN, M., and UHLEN, G. Lysimeter experiments at Ås. (In Norwegian.) Norges Landbrhøgsk. Meld. 32:111-149. Ref. 1952. 104 N762M
English summary.

52695 OSSA VICUNA, O. Plantas indicadoras de agua subterránea en Estados Unidos y su relación en Chile;objeto de este estudio y su importancia en Chile. Agr. del Norte 42:74-79. May/July 1952. 9.3 So14

52696 SIEV, D. Adverse effects of soil compaction. (In Hebrew.) Hassadeh 33:234-238. Jan.1952. 26 H27

52697 SMERTIN, E. M. New soil borer. (In Russian.) Les i Step' 4(12):46-47. Dec.1952. 99.8 L565
Moisture sampler.

52698 TEIPEL, R. Die entwicklung einiger methoden zur ermittlung der bodenstruktur. Deut. Agrartech. 2: 306-310. Ref. Oct.1952. 58.8 D482

52699 TRIVEDI, A. K. M., DIVATIA, A. S., and PATANI, M. J. Studies in iron oxide sols. I. Electrical conductivity of iron oxide sol. Indian Acad. Sci. Proc. Sect. A 36:530-536. Ref. Dec.1952. 513 In25

52700 VALLANCE, L. G., and LEVERINGTON, K. C. The effect of krilium on some sugar cane soils. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:117-120. Jan.1,1953. 65.9 Q3C

52701 YABUKI, K. On the temperature of the ground and water in percolating paddy field. 2. The relation between the water temperature and percolation in an experimental percolating paddy field. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:145-148. Nov.1952. 340.9 So1
English summary.

Soil Chemistry and Mineralogy

52702 ALLISON, F. E., ROLLER, E. M., and DOETSCH, J. H. Ammonium fixation and availability in vermiculite. Soil Sci. 75:173-180. Mar.1953. 56.8 So3

52703 ANDERSON, A. J. Testing pastures for mineral deficiencies. Wesfarmers News 1(2):15. Jan.29,1953. 23 W51

52704 ATKINSON, H. J. Applications of chemistry in soil research. II. Chem. Canada 5:49-52. Mar.1953. 381 C4236

52705 BENGTSSON, N., and LUNDBERG, B. Soil investigations. (In Swedish.) Sweden. Stat. Lantbrkem. Kontanst. Meddel. 14:14-25. 1953. 385 St6

52706 BESSEY, G. E., and LEA, F. M. The distribution of sulphates in clay soils and groundwater. Inst. Civ. Engin. Proc. 2:159-181. Mar.1953. 290.9 In74P

52707 BLOOMFIELD, C. A study of podzolization. I-II. J. Soil Sci. 4:5-23. Ref. Jan.1953. 56.8 J823
I, The mobilization of iron and aluminium by Scots pine needles; II, The mobilization of iron and aluminium by the leaves and bark of Agathis australis (kauri).

52708 BROMFIELD, L. Soil minerals more precious than gold. House & Gard. 103(4):220,225-226. Apr. 1953. 80 H81
Importance of minor elements.

52709 BRAADLIE, O., and others. Uniform methods of analysis. (In Norwegian.) Gartneryrket 43:209-210. Mar.14,1953. 80 G1938
B. Ljones, O. Lund, and J. Jacobsen, joint authors.
Soil analysis in Scandinavia.

52710 BURRIEL-MARTI, F., and JIMENEZ-GOMEZ, S. Analisis espectroquímico de Ni, Co, Zn y Mo en suelos y plantas. I. Estudio de las "bases diluyentes." An. de Edafología y Fisiol. Veg. 12:43-53. Ref. Jan.1953. 506 Sp12
English summary.

52711 CHANG, C. W. Chemical properties of alkali soils in Mesilla Valley, New Mexico. Soil Sci. 75:233-242. Ref. Mar.1953. 56.8 So3

52712 COUNT, R. D. The hidden enemy. Fuchsia Fan 13(3):5-6. Mar.1953. 96.532 F952
Alkali in California soils.

52713 DADD, C. C., FOWDEN, L., and PEARSALL, W. H. An investigation of the free amino-acids in organic soil types using paper partition chromatography. J. Soil Sci. 4:69-71. Jan.1953. 56.8 J823

52714 DEMORTIER, G., and HOECK, G. VAN. Applications de la spectrophotométrie à flamme dans le domaine agricole; dosage du potassium, du sodium et du calcium dans les "extraits" de sols. Inst. Agron. et Sta. de Rech. de Gembloux. B. 20:57-65. 1952. 105.1 G285
English summary.

52715 DESAI, S. V., and SEN, A. Occurrence of sodium chloride in Indian soils. Indian J. Agr. Sci. 22:63-73. Ref. Mar.1952. 22 Ag83I

52716 EGNER, H. Rapid methods for soil analysis. (In Swedish.) Växt-Närings-Nytt 9:10-12. Jan.1953. 57.8 V47

52717 EVANS, L. T. Some soil relationships in the saline soils at Lake Ellesmere. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:43. 1951,pub.1952. 90.09 R81R

52718 FITTS, J. W. A nitrification procedure for predicting the availability of nitrogen to corn on Iowa soils. (Abs.) Iowa State Col. J. Sci. 27:172-173. Jan. 1953. 470 Io9

52719 FLAIG. Tone unter dem elektronenmikroskop. Landbforsch. Völkenrode 3:18-20. Jan.1953. 18 L2353

52720 FRANC DE FERRIERE, P. J. J. Argiles et cations. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:819-828. Ref. Sept./Oct.1952. 14 F8499

52721 FRIPIAT, J. J., and GASTUCHE, M. C. Etude physico-chimique des surfaces des argiles. Inst. Natl. pour l'Etude Agron. du Congo Belge. P. Sér. Sci. 54, 60 p. Ref. 1952. 24 In7

52722 GARCIA Y LASTRES, N. Aparatos y métodos modernos para descubrir minerales en el subsuelo. Peru. Dir. Gen. de Com. Inform. Com. 3(36):14-15. Dec.1952. 286.9 P432

52723 GODFREY, C. L. Distribution and nature of phosphorus in a geochrono-sequence of loess-derived soils. (Abs.) Iowa State Col. J. Sci. 27:177-178. Jan. 1953. 470 Io9

52724 HAMY, A., and LEROY, G. L'extraction de l'humus par les solutions salines. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:939-946. Nov./Dec.1952. 14 F8499

52725 HEINONEN, R. On mechanical soil analysis. (In Finnish.) Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 25:1-8. 1953. 20 Su7M
English summary.

52726 HODGSON, L., and KIDSON, E. B. Chemical characteristics of Moutere gravel soils. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:231-232. 1951,pub.1952. 90.09 R81R

52727 JANEKOVIĆ, G. Beobachtungen über die fehler der pH-messungen in der bodensuspenzion mittels der chinhydronelektrode. (In Serbo-Croatian.) Zeml. i Biljka 1:313-335. Ref. Sept./Dec.1952. 56.8 Z42
German summary.

52728 JANEKOVIĆ, G. Kaliumchloridbrücke mit automatischer regenerierung der diffusionsmembrane. (In Serbo-Croatian.) Zeml. i Biljka 1:336-338. Sept./Dec.1952. 56.8 Z42
German summary.

52729 KANNENBERG, H. Untersuchungen über die Ottomeyer'schen dampfpflugböden. Landwirtbl. Weser-Ems 100:352-353. Mar.26,1953. 18 L2345
Chemistry.

52730 KARIM, A. The pedological significance of itanium. J. Soil Sci. 4:56-58. Jan.1953. 56.8 J823

52731 KILBINGER, A. Bodenfruchtbarkeit—eine kohlensäurefrage. In Saller, K., ed. Gesundes land, gesundes leben, p.82-87. Munchen,Pflaum,1953. 33.27 Sa3

52732 KUZNIAR, K. The energy of cellulose decomposition in the soils of Białowieza National Park. (In Polish.) Acta. Microbiol. Polon. 1:257-269. 1952. 448.3 Ac82
English summary.
Forest soils.

52733 LIARD, O. Le phosphore radioactif et l'étude de la dispersion des solutions salines dans le sol. Fruit Belge 20:129-131. Sept.1952. 80 F9493

52734 MCGREGOR, A. J. Phosphate movement and natural drainage. J. Soil Sci. 4:86-97. Ref. Jan.1953. 56.8 J823

52735 MACINTIRE, W. H., SHAW, W. M., and YOUNG, J. B. Magnesic minerals and soils; a 4-year lysimeter study of their interreactivities. J. Agr. & Food Chem. 1: 56-61. Ref. Apr.1,1953. 381 J8223

52736 MENON, P. K. R., and SANKARANARAYANAN, M. P. A note on a method for the estimation of exchangeable bases in Black soils containing free calcium carbonate and soluble salts including gypsum. Madras Agr. J. 40:43-46. Feb.1953. 22 M262

52737 MILLER, F. L. Trace elements. Their significance in exotic forestry in New Zealand. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:237. 1951,pub.1952. 90.09 R81R

52738 MØLGAARD, N. Soil tests. (In Danish.) Jydsk Landbr. 35:227. Apr.2,1953. 11 J99

52739 MOORTHY, B. R., DESAI, S. V., and RAYCHAUDHURI, S. P. Potassium fixation in soils with special reference to India. Indian J. Agr. Sci. 22:49-62. Ref. Mar.1952. 22 Ag83I

52740 MUÑOZ TABOADELA, M. The clay mineralogy of some soils from Spain and from Rio Muni (West Africa). J. Soil Sci. 4:48-55. Ref. Jan.1953. 56.8 J823

52741 PAILLUSSEAU, M. Action du broyage des mélanges de phosphates naturels et de chlorure de potassium sur l'assimilabilité des phosphates naturels. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:947-952. Nov./Dec.1952. 14 F8499

52742 POPOVIĆ, Ž. Fixation of phosphoric acid in a Podzol and a Chernozem soil. (In Serbo-Croatian.) Zeml. i Biljka 1:339-347. Ref. Sept./Dec.1952. 56.8 Z42
English summary.

52743 PURI, B. R., LAKHANPAL, M. L., and VERMA, B. Acidoid behavior of charcoal in relation to soil properties. Soil Sci. 75:209-218. Ref. Mar.1953. 56.8 So3

52744 PURVIS, E. R. Soil testing in New Jersey. Better Crops Plant Food 37(3):19-21,43-44. Mar.1953. 6 B46

52745 RADOSLOVICH, E. W. Soil colloids of Australian Red-Brown earths. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt. 6,50 p. Dec.1952. 56.9 Au7

52746 RADOSLOVICH, E. W. Soil colloids of some Terra Rossa Rendzina soils of South Australia. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt. 8,9 p. Dec.1952. 56.9 Au7

52747 RICE, H. M., and LEVICK, R. Material removed by Jeffries' magnesium-ribbon-potassium-oxalate method for cleaning soil particles. Soil Sci. 75:243-246. Mar.1953. 56.8 So3

52748 SCHUYLENBORGH, J. VAN. Soil analysis as basis for fertilizing. (In Dutch.) Bergcultures 22:43-47. Feb.1,1953. 22.5 B45

52749 SEELEY, J. G. Total soluble salts, what are they? Pa. Flower Growers B. 28:1-2. Apr.1953. 80 P382
Soil tests.

52750 SHAWARBI, M. Y. Soil chemistry. London, Chapman & Hall,1952. 420 p. 56.42 Sh2

52751 SMITH, V. T. Soils do respond; test—fertilize—farm—harvest more. Idaho. Agr. Col. Ext. Ext. C. 128, 3 p. Feb.1953. 275.29 Id13C
Soil testing.

52752 SWENSON, R. M. Movement of iron, manganese, and titanium in the development of loess-derived prairie soils. (Abs.) Iowa State Col. J. Sci. 27:262-263. Jan.1953. 470 Io9

52753 THOMANN. Contribution à l'étude de la fertilité chimique des sols du Maroc. Richesse en éléments fertilisants de quelques périmètres irrigables. (Abs.) Soc. des Sci. Nat. du Maroc. Compt. Rend. 8:158-159. 1952. 515 So1C

52754 TOUJAN. Contribution de la photométrie de flamme à l'étude des terres salées. (Abs.) Soc. des Sci. Nat. du Maroc. Compt. Rend. 8:157-158. 1952. 515 So1C

52755 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Oklahoma soils testing laboratories, by B. Woodward, H. James, and M. Kirkland. Washington, Jan.10,1953. 3 p. 1.914 R2R11

52756 VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. How soil reaction affects the supply of plant nutrients. Va. Agr. Col. Ext. B. 136,rev.,17 p. Jan.1953. 275.29 V81B

52757 VLITOS, A. J., and KING, L. J. Fate of sodium 2,4-dichloro-phenoxy-ethyl-sulphate in the soil. Nature [London] 171:523-524. Mar.21,1953. 472 N21
With note by L. J. Audus.

52758 WEY, R. Sur l'adsorption de l'anion phosphorique par la montmorillonite. Acad. des Sci. Compt. Rend. 236:1298-1300. Mar.23,1953. 505 P21

52759 WILD, A. The effect of exchangeable cations on the retention of phosphate by clay. J. Soil Sci. 4:72-85. Ref. Jan.1953. 56.8 J823

52760 WRIGHT, A. C. S. Boron availability in gumland soils of the Omu site. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:238. 1951,pub.1952. 90.09 R81R

52761 WRIGHT, A. C. S. Trace-element deficiencies in gumland soils. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:238. 1951,pub.1952. 90.09 R81R

Soil Biology

52762 BALDWIN, H. I. Biological task of forestry. II. The humus layer and forest soil biology. Trees 16: 124-126. Winter 1952/53. 99.8 T714

52763 BIRCH, L. C., and CLARK, D. P. Forest soil as an ecological community with special reference to the fauna. Q. Rev. Biol. 28:13-36. Ref. Mar.1953. 442.8 Q2

52764 BLAIR, I. D. Microbiological features of some problem soils. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:236. 1951,pub.1952. 90.09 R81R

52765 BLAIR, I. D. Parasitism and saprophytism among soil pathogens. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:45-46. 1951,pub.1952. 90.09 R81R

52766 COLWELL, E. Your invisible friends [Actinomycetes]. Org. Farmer 4(8):22-23,38,40. Mar.1953. 57.8 Or3

52767 DUDA, J., and PEDZIWILK, F. The effect of 2,4 D and of dinitrocresol upon the soil microorganisms. (In Polish.) Acta. Microbiol. Polon. 1:193-204. Ref. 1952. 448.3 Ac82
English summary.

52768 GAMBLE, S. J. R., and BUTLER, R. G. The soil perfusion technique for the biological degradation of sulfite waste liquor. Appl. Microbiol. 1:96-97. Mar. 1953. 448.3 Ap5
To enrich the soil with microorganisms.

52769 GLEEN, H., and QUASTEL, J. H. Sulphur metabolism in soil. Appl. Microbiol. 1:70-77. Ref. Mar.1953. 448.3 Ap5

52770 GOLEBIOWSKA, J. The effect of the carbon source in the cultures of Rh. trifolii and Rh. meliloti upon the nitrogen fixation in the inoculated plants. (In Polish.) Acta. Microbiol. Polon. 1:327-337. 1952. 448.3 Ac82
English summary.

52771 GOLEBIOWSKA, J., and WROBEL, T. The usefulness of various media for production of root nodule bacterial preparations for inoculations of leguminous plants. (In Polish.) Acta. Microbiol. Polon. 1:313-326. 1952. 448.3 Ac82
English summary.

52772 GUNTHER, E. Gesundes bodenleben erhöht die bodenfruchtbarkeit. Deut. Bauern Kal. 1953:68-70. 18 D4826

52773 HALLAM, M. J. Influence of moisture, aeration, and substrate on rates of biological transformations of carbon and nitrogen in soil. (Abs.) Iowa State Col. J. Sci. 27:185-186. Jan.1953. 470 Io9

52774 HARMSEN, G. W. Application of some new theories on the inoculation of papilionaceous plants. (In Dutch.) T. N. O.-Nieuws 8:89-94. Ref. Mar.1953. 475 T11

52775 KRASIL'NIKOV, N. A. On interrelations of the soil microflora with higher plants. (In Russian.) In Vsesoiuznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliia i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.133-147. Ref. Moskva,1952. 390.1 V96

52776 LEHNER, A. Wie steht es nun mit der impfung landwirtschaftlicher nutzpflanzen? Landwirt. Wchnbl. 143:293,299,301. Mar.7,1953. 18 L2338

52777 LYNCH, D. L. Some physiological factors affecting the nodulation of leguminous plants. Urbana, 1953. 3 p. 463.3 L99
Abstract of thesis - University of Illinois.

52778 MEIKLEJOHN, J. Iron and the nitrifying bacteria. J. Gen. Microbiol. 8:58-65. Ref. Feb.1953. 448.3 J823

52779 MEIKLEJOHN, J. The nitrifying bacteria: a review. J. Soil Sci. 4:59-68. Ref. Jan.1953. 56.8 J823

52780 MISHUSTIN, E. N. Microbiological factor and soil structure [humus] formation. (In Russian.) In Vsesoiuznyĭ Nauchno-Issledovatel'skiĭ Institut Vinodeliia i Vinogradarstva, Magarach. Voprosy mikrobiologii, p.148-155. Ref. Moskva,1952. 390.1 V96

52781 NOREN, B. Further notes on the distribution of Myxobacteria in Swedish soils. Svensk Bot. Tidskr. 46:446-453. Ref. 1952. 450 Sv2

52782 NOWOTNY-MIECZYNSKA, A., and RUSZKOWSKA, M. The influence of mineral nitrogen on the growth of inoculated leguminous plants. (In Polish.) Acta. Microbiol. Polon. 1:205-222. Ref. 1952. 448.3 Ac82
English summary.

52783 NOWOTNY-MIECZYNSKA, A. The influence of some leguminous plants on the growth of non-legumes in mixed crops. (In Polish.) Rocz. Nauk Roln. 65:47-69. 1952. 20.5 R59
English summary.

52784 PHILLIPS, H. C. Characterization of the soil globiforme bacteria. (Abs.) Iowa State Col. J. Sci. 27: 240-241. Jan.1953. 470 Io9

52785 PRAMER, D., and STARKEY, R. L. Influence of streptomycin on microbial development in soil. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:15. 1952. 448.39 So12A

52786 REILLY, H. C. The production and isolation of an antibiotic from a soil Actinomycete. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:26. 1952. 448.39 So12A

52787 ROGOFF, M., and REID, J. J. Persistence of weed control agents and effect on nitrification in field and garden soil. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:13. 1952. 448.39 So12A

52788 SMITH, F. B. Acción microbiana en los suelos. Bolsa de Com. Rosario. Rev. 41(987):10,12. Feb.28, 1953. 287 R71

52789 STEVENSON, I. L. Microbiological examination of soils of Arno Atoll. Soil Sci. 75:225-231. Ref. Mar.1953. 56.8 So3

52790 STEVIĆ, B. Contribution to the study of Aspergillus spp in our soils. (In Serbo-Croatian.) Zeml. i Biljka 1:267-290. Sept./Dec.1952. 56.8 Z42
English summary.

52791 SULLIVAN, M. Soil micropopulation. Crop Comments 6(6):1,3. Apr.1953. 57.8 C88

52792 TALLARICO, G. Vicissitudes of life and death among the invisible inhabitants of the ground. (In Italian.) Agricoltura 2(2):27-29. Feb.1953. 16 Ag8226

52793 TEŠIĆ, Z. P., and TODOROVIĆ, M. S. Contribution à l'étude des "bactéries silicatées." (In Serbo-Croatian.) Zeml. i Biljka 1:5-18. Ref. May/Aug.1952. 56.8 Z42
French summary.

52794 UEMURA, S. Studies on the root nodules of alders (Alnus spp.). V. Some new isolation methods of Streptomyces from alder nodules. (In Japanese.) Rin-Go-Shiken-Hokoku 57:209-226. Ref. Dec.1952. 99.8 R47
English summary.

52795 URZÚA MACIAS, G. Estudio de los hongos y Actinomycetos presentes en los suelos del Valle de Guadalajara, en relación a sus características como productores de antibióticos. Soc. Bot. del Estado de Jalisco. B. 1:5-35. Ref. 1952. 451 So126

52796 VANAKICH, L. S. Earthworms and honey bees, the farmer's friends. (In Siamese.) Kasikorn 26:53-64. Jan.1953. 22.5 K15
English summary.

52797 WINTER, G. Die bedeutung der antibiotika in der natur. Umschau 52:619-621. Oct.15,1952. 474 Um7
In soils and plants.

Soil-Plant-Animal Relationships

52798 ALBRECHT, W. A. The cow ahead of the plow. Mod. Nutr. 6(3):11-13. (Cont.) Mar.1953. 389.9 Am352
The cow as an indicator of soil fertility.

52799 ALBRECHT, W. A. In defense of the cow. Livestock Wk. 7(17):14B-14C,30,89-90,92,94,100-101,106-107,110,112,114-119. Feb.26,1953. 49 L753
Soils-plant-animal relations.

52800 BELL, H. G. Soil fertility and livestock health. Shorthorn News [Waterloo] 14,i.e.13:11. Apr. 1953. 43.8 Sh85

52801 DEAN, W. T. Does adequately fertilizing the land affect the health of people living on it? J. Home Econ. 45:251-256. Apr.1953. 321.8 J82

52802 DESOUTTER. Un programme d'études "sur la fertilité vivante des sols." Acad. d'Agr. de France. Compt. Rend. 39:131-134. Jan.28/Feb.4,1953. 14 P215Bc
Soil-plant-animal relations.
Includes discussion.

52803 RICHTER, J. Soils and nutrition. Soil & Water Mag. 2(3):20-21. Mar.1953. 54.8 So3

52804 SALLER, K., ed. Gesundes land, gesundes leben. München,Pflaum,1953. 255 p. 33.27 Sa3

52805 SCHARRER, K. Der einfluss der ernährung der kulturpflanzen auf die gesundheit von boden, pflanze, tier und mensch. In Saller, K., ed. Gesundes land, gesundes leben, p.46-61. München,Pflaum,1953. 33.27 Sa3

52806 TURK, L. M. Soils and their relationship to food production. J. Agr. & Food Chem. 1:136-140. Apr. 15,1953. 381 J8223

52807 VERDEYEN, J. La relation entre la plante et l'animal. Inst. pour l'Encour. de la Rech. Sci. dans l'Indus. et l'Agr. Compt. Rend. de Rech. 9:85-170. Jan. 1953. 330.9 In7C

Soil Genesis, Formation, Classification, and Mapping

52808 BIRRELL, K. S. Some physical properties of New Zealand volcanic ash soils. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:208-216. 1951,pub.1952. 90.09 R81R

52809 BORBERG, W. Die entstehung der moore und ihre bedeutung für die landwirtschaft. Deut. Agrartech. 2:340-343. Nov.1952. 58.8 D482

52810 BURNOTTE, J. L. Les sols du Kivu. I. Les sols de cendrées volcaniques. Comt. Natl. du Kivu. Études Forest (n.s.)3,69 p. Ref. 1952. 99.9 C737

52811 CARTER, R. L., and GIDDENS, J. Soils of Georgia, their formation, classification, and management. Ga. Coastal Plain Expt. Sta. B. 52,68 p. Jan.1953. 100 G292

52812 CHITTENDEN, E. T. The topography of the Moutere gravels. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:232. 1951,pub.1952. 90.09 R81R

52813 CHURCHWARD, H. M., and BREWER, R. A soil survey of "Lanyon" Station, A.C.T. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt. 9,8 p. Dec.1952. 56.9 Au7

52814 CUSSAC, C. M. El suelo y el clima de la zona central de Chile. Uruguay. Inst. Nac. de Colon. B. 4(35): 4-7. Jan.1953. 282.29 Ur8

52815 DEUEL, D. C. Looking down on the land. Ext. Serv. Rev. 24:52. Mar.1953. 1 Ex892Ex
4-H Club members study soil classification from the air.

52816 ELLINGTON, C. P., BENTZ, F. L., and HERSHBERGER, M. F. Using the soil survey and land capability unit maps. Md. Agr. Col. Ext. Fact Sheet 63, 4 p. Mar.1953. 275.29 M36Fa

52817 FERNANDEZ DE LARA, G. A. Los suelos de zonas aridas y semiáridas. Asoc. Gen. de Agr. [Guatemala] B. 334:8. (Cont.) Feb.28,1953. 8 As52

52818 FOX, J. P., and CHITTENDEN, E. T. The classification and description of the soils of the Moutere gravels, Nelson. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:231. 1951,pub.1952. 90.09 R81R

52819 GIESEKER, L. F., and others. Soil survey (reconnaissance) central Montana. U. S. Soil Conserv. Serv. Soil Survey 1940(9),133 p. Ref. Feb.1953. 1 So32F
C. B. Manifold, A. T. Strahorn, and O. F. Bartholomew, joint authors.

52820 GRIFFITH, G. AP. Vesicular laterite. Nature [London] 171:530. Mar.21,1953. 472 N21

52821 HALLSWORTH, E. G., and COSTIN, A. B. Studies in pedogenesis in New South Wales. IV. The ironstone soils. J. Soil Sci. 4:24-47. Ref. Jan.1953. 56.8 J823

52822 HAMILTON, D., and GREENALL, A. F. Soil conservation surveys. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:236-237. 1951,pub.1952. 90.09 R81R

52823 HASTY, A. H., and others. Soil survey, Limestone County, Alabama. U. S. Soil Conserv. Serv. Soil Survey 1941(5),140 p. Ref. Mar.1953. 1 So32F
K. V. Goodman, R. Wildermuth, H. Sherard, E. D. McCall, H. R. Benford, and H. J. Wesson, joint authors.

52824 HURST, F. B. The climatic factor in soil formation. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7: 237. 1951,pub.1952. 90.09 R81R

52825 JAMINET. Aperçu sur les sols des Doukkala. (Abs.) Soc. des Sci. Nat. du Maroc. Compt. Rend. 8:158. 1952. 515 So1C

52826 JOVANOVIĆ, O., and POPOVIĆ, Ž. The general view on the Smonitzi (Black soils) of Vranje Valley. (In Serbo-Croatian.) Zeml. i Biljka 1:245-265. Ref. Sept./Dec.1952. 56.8 Z42
English summary.

52827 KOBATA, H., KIZAKI, T., and WATANABE, T. Soils of the Sejiri National Forest. (In Japanese.) Japan. Forest Expt. Sta. Forest Soils Japan. Rpt. 2:1-22. Dec. 1952. 56.9 J27
English summary.

52828 KUBOTA, S., and INOUE, T. Soils of the Ohdochi National Forest. (In Japanese.) Japan. Forest Expt. Sta. Forest Soils Japan. Rpt. 2:69-122. Dec.1952. 56.9 J27
English summary.

52829 KURTAGIĆ, M. A contribution to the knowledge of the soils in Croatien country Zagorje with an agropedologicol soil map of the Acoting property Saulovec. (In Serbo-Croatian.) Zeml. i Biljka 1:291-311. Ref. Sept./Dec.1952. 56.8 Z42
English summary.

52830 LEE, W. D. Soil associations of western North Carolina. Farmers Fed. News 33(7):4-5,29. Mar.1953. 280.28 F225

52831 LEENHEER, L. DE., HOORE, J. D'., and SYS, K. Cartographie et caractérisation pédologique de la catena de Yangambi. Inst. Natl. pour l'Étude Agron. du Congo Belge. P. Sér. Sci. 55,62 p. Ref. 1952. 24 In7

52832 LITCHFIELD, W. H. Soil surveys in the Katherine District, Northern Territory. I. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt. 7,44 p. Nov.1952. 56.9 Au7

52833 LLANO, M. La renovación del medio como factor importante en la fertilidad de los suelos ecuatoriales. An. de Edafología y Fisiol. Veg. 12:35-42. Jan. 1953. 506 Sp12

52834 MARSHALL, R. M. Granitic soils. Soil & Water Mag. 2(4):28. Apr.1953. 54.8 So3

52835 MORIYAMA, I., SATO, K., and ISHIZAWA, K. Soils of the Higashikanbara and Hayadegawa National Forests. (In Japanese.) Japan. Forest Expt. Sta. Forest Soils Japan. Rpt. 2:23-68. Dec.1952. 56.9 J27
English summary.

52836 NEJGEBAUER, V., and VIG, Đ. Contribution to the knowledge of the soils of Metokhia. (In Serbo-Croatian.) Zeml. i Biljka 1:187-232. Ref. Sept./Dec. 1952. 56.8 Z42
English summary.

52837 POWELL, J. C., and VANDERFORD, H. B. Sunflower County soils. Miss. Agr. Expt. Sta. B. 496,38 p. Feb.1953. 100 M69
Soil survey.

52838 RIGG, SIR T. The Moutere gravels, Waimea County, Nelson. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:230-231. 1951,pub.1952. 90.09 R81R

52839 U. S. SOIL CONSERVATION SERV. Suggested program for a National Cooperative Soil Survey. Washington,1952. 12 p. 1.96 Su7Sug

52840 VUCETICH, C. G. Soils of the Light Shingle Plains, Canterbury. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:236. 1951,pub.1952. 90.09 R81R

52841 ŽIVKOVIĆ, M. Soil cover of the Zlatibor Mountain. (In Serbo-Croatian.) Zeml. i Biljka 1:63-93. Ref. May/Aug.1952. 56.8 Z42
English summary.

SOIL MANAGEMENT

52842 BENNETT, N. B. Functions and activities of the Bureau of Reclamation. Amer. Planning & Civic Annu. 1952:7-11. 280.9 Am322

52843 BROWN, P. L. Soil management in sorghum production. Kans. Agr. Expt. Sta. C. 289:6-9. Sept.5, 1952. 100 K13S

52844 CARLTON, M. W. Luling Foundation Field Day shows 'pay-off' of practices. Tex. Livestock J. 12 (4):7. Apr.1953. 49 T29
Soil management.

52845 CASA PACHECO, MARQUES DE. Seria realizable y conveniente? Cult. Mod. 36(2):55-56. Feb. 1953. 15 C89
Soil management.

52846 EKBOTE, R. B., and KALAMKAR, R. J. Manuring for land improvement and crop production. Natl. Inst. Sci. India. Proc. 19:63-70. Jan./Feb.1953. 513 N212

52847 GOOD, A. W. A general survey of Warkworth Catchment Area. N. S. Wales. Soil Conserv. Serv. J. 9: 4-11. Jan.1953. 56.9 N472

52848 GROVES, D. E. Your soil, it's the basis of all life. Treat it right and your soil will respond with bumper crops. Ohio Farmer 211(7):7,46-47. Apr.4,1953. 6 Oh3

52849 HOAK, C. M. Which way deluded humanity? Natl. Inst. Sci. India. Proc. 19:71-74. Jan./Feb.1953. 513 N212
Biodynamic farming.

52850 LAUENSTEIN, J. D. Ziele und aufgaben der "Emsland GmbH." Landwirtbl. Weser-Ems 100:343-344. Mar.26,1953. 18 L2345
Reclamation work.

52851 MCCRAW, J. D. Soil problems related to land utilization in Central Otago. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:235. 1951,pub.1952. 90.09 R81R

52852 MARILLONNET, L. Problèmes de mise en valeur des polders aux Pays-Bas. Agron. Trop. [Nogent-sur-Marne] 8:5-71. (Cont.) Jan./Feb.1953. 26 Ag86

52853 NAGEL, W. O., CLARK, M. W., and HALL, H. J. Improve ponds and watersheds—save soil and wildlife. Mo. Agr. Col. Ext. C. 610,10 p. Jan.1952. 275.29 M69C

52854 NEVEN, E. Reclaim Iowa's spoil banks. Iowa Agr. 51(7):18-19. Mar.1953. 6 Io9

52855 NEWMAN, J. C. Some aspects of Tumut Catchment Area. N. S. Wales. Soil Conserv. Serv. J. 9:19-31. Jan.1953. 56.9 N472

52856 NEZI, D. The problem of clays in the Province of Teramo. (In Italian.) Cam. di Com. Indus. e Agr. di Teramo. Not. Econ. (n.s.)8(3):5-8. Mar.15,1953. 287 T27
Reclamation.

52857 PATRONE, G. The contribution of the State and the administrations to the systematization of mountains and to the improvement and increase of mountain forests and pastures from 1867 to 1950. (In Italian.) Italia Forest. e Mont. 7:321-349. Nov./Dec.1952. 99.8 It12
French summary.

52858 REES, W. J., and SKELDING, A. D. Grass establishment on power station waste. Gt. Brit. Min. Agr. Agriculture 59:586-589. Mar.1953. 10 G79J
Experiments with ash and sewage sludge to produce grass ley.

52859 RENNER, A. J. The problem of soil restoration. (In Portuguese.) Orientação Econ. e Financ. 10 (111):33. Dec.1952. 280.8 Or42
Brazil.

52860 SACCARDY, L. L'évolution des travaux de défense et de restauration des sols. Rev. Agr. de l'Afrique du Nord 51:197-200,216-218. (Cont.) Feb.20-27, 1953. 80 R326

52861 SACCARDY, L. L'évolution des travaux de défénse et de restauration des sols. Rev. Agr. de l'Afrique du Nord 51:239-240,273-277. (Concl.) Mar.6-13,1953. 80 R326

52862 SCHUPHAN, W. Lebensreform und landwirtschaft in ihren wechselbeziehungen. In Saller, K., ed. Gesundes land, gesundes leben, p.88-115. Ref. München, Pflaum,1953. 33.27 Sa3
Soil management.

52863 SEHNERT. Nasser herbst auf schwerem boden. Tech. f. Bauern u. Gärt. Ausg. A 5:101-102. Mar.10,1953. 58.8 T223

52864 SEIFERT, A. Gesunde und kranke landschaft. In Saller, K., ed. Gesundes land, gesundes leben, p.37-45. München,Pflaum,1953. 33.27 Sa3

52865 SHERRARD, D. Condition the soil first. Org. Gard. 21(4):14-15. Apr.1953. 56.8 Or3

52866 SOUSA, J. S. I. DE. Improvement of soil. (In Portuguese.) Chacaras e Quintais 87:97-98. Jan.15, 1953. 9.2 C34

52867 THOMPSON, T. S. Forestry aspects of catchment control. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:238. 1951,pub.1952. 90.09 R81R

52868 TRIBUZI, H. S. Burning and its consequences. (In Portuguese.) Lavoura 56:48. Nov./Dec.1952. 9.2 L39

52869 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. A guide for the management of soils, farm crops and pastures in Michigan. Ed. 2, rev. Milwaukee,1952. 188 p. 1.9605 G947
Michigan Agricultural Experiment Station Cooperating.

52870 WATKINS, J. M., and CANO G., J. Mejore sus suelos sembrando leguminosas. Cent. Nac. de Agron. C. Agr. 23,rev.,4 p. Jan.1952. 8 Sa54C

52871 WHITEHEAD, C. E. Range land firing in Fiji. Fiji. Dept. Agr. Agr. J. 23(2):8-10. June 1952. 25 F47Ag

52872 WISTER, J. C. The decision must be ours. Horticulture 31:151. Apr.1953. 80 H787
Organic gardening and soil conditioners.

52873 ZAKHAROV, N. S. Improvement of lands--an important factor in the productive utilization of the machine technique of machine-tractor stations on collective farms in the non-Black earth area. (In Russian.) Gidrotekh. i Melior. 4(12):36-42. Dec.1952. 290.8 G362

Soil Fertility

52874 AAGAARD, J. Saltpeter for wheat and other fall crops. (In Danish.) Dansk Landbr. 72:146-147. Mar. 19,1953. 280.28 V91

52875 ABBOTT, B. T. Soil management notes: lime—the first step. Livestock Wk. 7(17):22,38,45. Feb.26,1953. 49 L753

52876 AGUIRRE ANDRES, J. Abonos potásicos. Spain. Min. de Agr. Hojas Divulg. 23-52H,8 p. Dec.1952. 15 H68

52877 AHRER, K. Wiesendüngungsversuche. Bauer 6(9):4-5. Feb.28,1953. 19 B32

52878 ALBRECHT, W. A., BLUE, W. G., and SHELDON, V. L. Soil fertility and amino acid synthesis by plants. Natl. Inst. Sci. India. Proc. 19:89-95. Jan./Feb. 1953. 513 N212

52879 ALI, S. Some experiments on the manuring of citrus in the Punjab. Punjab Fruit J. 15(53):1-12. Apr./July 1952. 80 P962

52880 ANSTETT, A., and POURCHARESSE, P. De l'alimentation et de la fumure de la vigne en Afrique du Nord. Rev. Agr. de l'Afrique du Nord 51:135-140,168-171,219-221. (Cont.) Feb.6-13,27,1953. 80 R326

52881 ANSTETT, A., and POURCHARESSE, P. De l'alimentation et de la fumure de la vigne en Afrique du Nord. Rev. Agr. de l'Afrique du Nord 51:245-251,278-279. (Concl.) Mar.6-13,1953. 80 R326

52882 ARAUJO, W. A. DE., and others. Contribution to the study of organic matter in Minas Gerais soils. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(11):14-55. (Concl.) Ref. Nov.1952. 9.2 M663
S. de. L. Viana, V. Ilchenko, and O. Viana, joint authors.

52883 ARAUJO, W. A. DE., and others. Contribution to the study of organic matter in soils of Minas Gerais. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(10):5-49. (Cont.) Oct.1952. 9.2 M663
S. de L. Viana, V. Ilchenko, and O. Viana, joint authors.

52884 ASEN, S., and DAVIDSON, O. W. Boron requirement of greenhouse roses. Amer. Soc. Hort. Sci. Proc. 60:439-448. Dec.1952. 81 So12

52885 AUFHAMMER, G., and HOPFENGART, M. Untersuchungen zur mineralsalzaufnahme durch die blätter bei getreide. Z. f. Pflanzenbau u. Pflanzenschutz 3:241-246. 1952. 464.8 P88

52886 AZEVEDO, A. L. The problem of phosphatic fertilizations in Angola. (In Portuguese.) Agron. Angolana 6:77-101. Ref. 1952. 24 Ag83
English summary.

52887 BAGGE, H. Experiments with fertilizing of oil flax and opium poppy. (In Danish.) Tidsskr. f. Planteavl 56:304-316. Ref. 1953. 11 T439

52888 BAINS, G. S. Effect of commercial fertilizers and green manure on yield and nutritive value of wheat. II. Cereal Chem. 30:139-145. Ref. Mar.1953. 59.8 C33

52889 BEERS, Z. H. Up to 4 times your money back in 120 days. Successful Farming 51(5):38-39. May 1953. 6 Su12
Application of the right fertilizers.

52890 BELL, H. Guar for soil building in West Texas. Prog. Farmer, Tex. Ed. 68(4):21,187. Apr.1953. 6 T311

52891 BHIDE, N. N. Effect of phosphate manuring to previous leguminous crops on the yield of succeeding cotton crop. Indian Cotton Growing Rev. 6:187-192. Oct.1952. 72.8 In23

52892 BORASIO, L. Humus and artificial fertilizers in rice fertilizing. (In Italian.) Riso 2(2):14-19. Feb. 1953. 59.8 R49

52893 BORDELEAU, R. Fertilisez-vous un pâturage cette année? Ferme 14(7):30-31,52-53. Mar.1953. 7 F38

52894 BOSKMA, K. Liming on heavy Dollart clay. II. (In Dutch.) Groninger Landbbl. 31(12):4. Mar.19,1953. 12 G892

52895 BOULET, L. J. La fertilité des sols—notre probleme capital. Terre de Chez Nous 25(6):13,16. Apr.1,1953. 7 T27
Canada.

52896 BROMFIELD, L. The wealth of the soil. Detroit,Ferguson,1952. 32 p. 31.1 B78

52897 BRUIN, P. The organic matter problem of the Netherlands soils. Natl. Inst. Sci. India. Proc. 19:83-88. Ref. Jan./Feb.1953. 513 N212

52898 BUCHNER, A. Die stickstoffdüngung der kartoffeln. Deut. Landwirt. Presse 76:74-75. Mar.21, 1953. 18 D482

52899 BYCZKOWSKI, A., and BATALIN, M. Calcurea as a nitrogenous fertilizer. (In Polish.) Rocz. Nauk Roln. 62:61-85. 1952. 20.5 R59
English summary.
Mixture of urea and calcium carbonate.

52900 CASTENSON, R. F. Relation of soil fertility to yield of asparagus. Canner 116(14):15-16. Apr.4,1953. 286.83 C16

52901 CHAFFIN, W. Higher crop yields with lime, fertilizers and legumes. Okla. Agr. Col. Ext. C. 588,8 p. n.d. 275.29 Ok41C

52902 CHAVAN, V. M., and PATIL, G. G. Review of green manuring methods already adopted and further measures to popularise its use for increasing yield particularly of food crops. Poona Agr. Col. Mag. 43:70-78. Ref. Aug.1952. 22 P79

52903 CHEVALIER, A. La légende de la prétendue fertilité de l'Afrique noire, du Sahara et de l'Afrique du Nord. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:66-68. Jan./Feb.1953. 26 R323

52904 CHITTY, G. P. Some factors of crop production on clay land farms to the south east of the county. Worcestershire Agr. Chron. 21:31,33,35,37,39,41. Nov.1952/Feb.1953. 10 W892
Soil fertility and fertilizer application in Worcestershire County.

52905 COCIC, Y. La nutrition et la fertilisation azotées du blé d'hiver. B. des Engrais 349:27-31. Feb. 1953. 57.8 B87

52906 COOKE, G. W. Are compound fertilisers worth while? Grower [London] 39:583,585. Mar.21,1953. 286.83 M34
For potatoes.

52907 CORREA, A. C. Restoration of coffee plantations in the older sections of São Paulo, by fertilizing with poultry manure. (In Portuguese.) Lav. e Criação 7(45):50. Dec.1952. 49 L392

52908 COURY, T. Fertilizer placement in relation to seeds. (In Portuguese.) (Sum.) Rev. de Agr. [Piracicaba] 28:58-59. Jan./Feb.1953. 9.2 R324

52909 CROUZET, G. Enquête sur la fumure des hybrides. Viticult. Nouvelle 6(60):24-25. Apr.1953. 390.8 V832

52910 DAUJAT, A. À propos d'engrais science ou métaphysique? Motorisation Agr. 8(77):125,127. Feb.1953. 58.8 M85

52911 DAVIS, F. F. Feeding your lawn. Flower Grower 40(4):86-87,130. Apr.1953. 80 M72

52912 DEKKER, P. Soil care and fertilizing of the orchard. (In Dutch.) Floralia 73:84-86. Mar.18,1953. 80 F6613

52913 DEMOLON, A., BOISCHOT, P., and LAJON, J. Sur l'allure de la courbe des rendements au voisinage de l'origine et ses conséquences. Acad. des Sci. Compt. Rend. 236:1115-1118. Mar.16,1953. 505 P21
Mitscherlich law.

52914 DEMORTIER, G., RIGA, A., and DARCHEVILLE, M. Le "fumier huilé" déprime-t-il les rendements? Inst. Agron. et Sta. de Rech. de Gembloux. B. 20: 43-47. 1952. 105.1 G285

52915 DENMARK. STATENS FORSØGSVIRKSOMHED I PLANTEKULTUR. Fertilizer trials with seed crop cultures of radishes and spinach. (In Danish.) Tidsskr. f. Planteavl 56:338-341. 1953. 11 T439

52916 DERMINE, E. Les besoins alimentaires des arbres fruitiers. Fruit Belge 20:161-166. Nov.1952. 80 F9493

52917 DEVAUX, L. Les fumures intensives dans la Vallée du Rhone. B. des Engrais 349:23-26. Feb.1953. 57.8 B87

52918 DIONIGI, A. Nitrate fertilization of wheat. II. (In Italian.) Italia Agr. 90:129-135. Feb.1953. 16 It1

52919 DOEHLERT, C. A. Facts about fertilizing blueberries. N. J. Agr. Expt. Sta. C. 550,7 p. Feb.1953. 100 N46S

52920 DORPH-PETERSEN, K. The effect of liming on the phosphate status of acid soils. (In Danish.) Tidsskr. f. Planteavl 56:177-221. Ref. 1953. 11 T439
English summary.

52921 DUCELLIER, G. Sur les aspects microscopiques de fibres de coton décomposées par une fermentation méthanique. Acad. des Sci. Compt. Rend. 236:1106-1108. Mar.9,1953. 505 P21
The resulting mass increases soil permeability.

52922 DUMENIL, L., NICHOLSON, R. P., and MELDRUM, H. R. How much fertilizer for corn? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:151-154. Mar.1953. 275.28 Io94

52923 EIGENBERG, J. Increased nitrogen fertilizing of grassland. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:93-97. 12 N38Vg

52924 ENGEL H. Der boden braucht kalk! Deut. Bauern Kal. 1953:120-122. 18 D4826
Russian Zone of Germany.

52925 ENGLERT. Das verhalten der düngernährstoffe im boden. Obstbau 72:42-43. Mar.1,1953. 80 Ob73

52926 FOX, F. N. Our experience in saving labor through ground application of liquid nitrogen. Mich. State Hort. Soc. Proc. 82:52. 1952,pub.1953. 81 M58

52927 FRANCAVIGLIA, G. Should grain be fertilized? (In Italian.) Tec. Agr. 5:21-24. Jan./Feb.1953. 16 T22

52928 FRANCK, O. Recent information on plant nutrition. (In Swedish.) Växt-Närings-Nytt 9:5-6. Jan. 1953. 57.8 V47
Fertilizing.

52929 FRANKE. Die frühjahrsdüngung. Landwirt. Z. der Nord-Rheinprov. 120:349-350. Mar.21,1953. 18 L2344

52930 FREDERIKSEN, P. S. Effect of potassium chloride fertilizers on fiber flax. (In Danish.) Tidsskr. f. Planteavl 56:286-303. Ref. 1953. 11 T439
English summary.

52931 FRITZSCHE, R. Das düngen der obstbäume nicht vergessen! Schweiz. Z. f. Obst- u. Weinbau 62:119-122. Apr.4,1953. 80 Sch9

52932 FULLER, W. H., and PEW, W. D. Test phosphorus on melons; use of fertilizer accurately checked with radioactive "tracer" elements. Prog. Agr. Ariz. 5: 9. Apr./June 1953. 6 P9452

52933 GALLAGHER, J. Soil preparation for roses. Rosette 39:1-3. Mar.1953. 80 R725

52934 GARAUDEAUX, J. La fumure des prairies. Agr. d'Eure-et-Loir 207:4; 208:4; 209:4,6; 210:4; 213:4. (Cont.) Feb.18-Mar.11,Apr.1,1953. 14 Ag828

52935 GASENE, J. La cal en el suelo. Res 21:27862. Mar.20,1953. 286.85 R31

52936 GESMUNDO, A. E. Fertilizer investigations—an activity of the Bureau of Soil Conservation. Soil Sci. Soc. Philippines. J. 4:247-248. Fourth Q.1952. 56.9 So35

52937 GFRERER. Brot, milch und fleisch aus Amerika? Salzburger Bauer 8(13):1-2. Mar.26,1953. 19 Sa3
Fertilizers.

52938 GIRAUD, E., and BASTIDE, A. Un essai de fumure sur un vignoble de cru du Bordelais. Potasse 27: 43-46. Mar.1953. 57.8 P84

52939 GRAY, S. D. Fertilize for high potato yields. Guide Post 31(4):3-5. Apr.1953. 75.8 G94

52940 GREVE. Kalkstickstoff zu hackfrucht und sommerung. Landwirtbl. Weser-Ems 100:316-317. Mar.19,1953. 18 L2345

52941 GRINDROD, J. Use of fertilisers in Egypt. Fert. Feed. Stuffs & Farm Supplies J. 39:251. Apr.1, 1953. 57.8 F413

52942 GUÉRILLOT, J. Intérêt de la culture en pots pour la détermination de l'arrière-action des engrais phosphatés. Acad. d'Agr. de France. Compt. Rend. 39: 144-146. Jan.28/Feb.4,1953. 14 P215Bc

52943 GUGGEMOS, L. Schluss mit den vernachlassigten wiesen! Landwirt. Wchnbl. 143:371. Mar.21,1953. 18 L2338
Fertilizers.

52944 GÜLÇUR, F. Untersuchungen über die humusverhältnisse einiger bestände im nordanatolischen waldgebiet. (In Turkish.) Istanbul. U. Orman Fakül. Dergisi (ser. A)2:153-184. Ref. 1952. 99.9 Is72
German summary.

52945 HANWAY, D. G. Soybeans on Nebraska sand! Soybean Digest 13(5):18-19. Mar.1953. 60.38 So9

52946 HARTMANN, F. Waldbodenmelioration als mittel zur produktionssteigerung. Osterr. Vrtljahresschr. f. Forstw. 93:209-218. 1952. 99.8 Oe8

52947 HAUER, E. Düngung mit kalimagnesia (patentkali). Salzburger Bauer 8(12):6. Mar.19,1953. 19 Sa3

52948 HAYNES, J. L., and STRINGFIELD, G. H. Can we grow green manure between the corn rows? Ohio Farmer 211(6):5,30. Mar.21,1953. 6 Oh3

52949 HAZOD, H. Versuchsarbeit des jugendwerkes. Bauer 6(13):10-12. Mar.28,1953. 19 B32
Wheat fertilizing in Austria.

52950 HEINRICH, H. Die düngung im gemüsegarten. Obstbau 72:43. (Concl.) Mar.1,1953. 80 Ob73

52951 HELLER, L. Welche düngemittel sollen wir verwenden? Deut. Landwirt.-Gesell. Mitt. 68:230-232. Mar.5,1953. 18 N39

52952 HENNER, G. Das kali-phosphorproblem in seiner entscheidenden schlüsselstellung; bedürfnis nach pflanzensorten, düngerversuchen. Ernähr. der Pflanze 3:123-126. Dec.1952. 57.8 Er62
English summary.

52953 HERVEY, R. J., and COOK, E. D. Fescue grass and legumes for soil improvement and forage production. Tex. Livestock J. 12(4):9,18. Apr.1953. 49 T29

52954 HOFMANN, E., and LATZKO, E. Die qualität des sauerkrautes in abhängigkeit von der düngung des weisskrautes. Z. f. Pflanzenbau u. Pflanzenschutz 3:272-281. Ref. 1952. 464.8 P88

52955 HOFMANN, E., BRÄUNLICH, K., and SCHMIDT, W. Der wirkungswert von rhenaniaphosphat bei verschiedenen pflanzen und auf verschiedenen böden. Z. f. Pflanzenbau u. Pflanzenschutz 3:282-288. Ref. 1952. 464.8 P88

52956 HONDA, N., OKAZAKI, M., and IWATA, I. Soil survey and studies on the root development of olive trees in the Shodo Island. (In Japanese.) Hort. Assoc. Japan. J. 21:155-160. Ref. Dec.1952. 87 H78
English summary.

52957 HOWARD, F. K. Fertilize for grape quality. West. Fruit Grower 7(3):22. Mar.1953. 95.8 G762

52958 HUBER, H. Zur rebendüngung. Schweiz. Z. f. Obst- u. Weinbau 62:126-128. Apr.4,1953. 80 Sch9

52959 ITIE LECOAT, M. Abonado de los naranjos. Tierra [Mexico] 8:194-195,227-230. Mar.1953. 8 T445

52960 IVERSEN, K. Crop yields and fertilizers. (In Danish.) Dansk Landbr. 72:141-142. Mar.19,1953. 280.28 V91

52961 JACKSON, N. Use of anhydrous ammonia on Pecos Valley farms gives increased yield at low cost. N. Mex. Stockman 18(3):58-60. Mar.1953. 49 N462

52962 JANSEN, J. H., and PASKE, B. J. TE. Experiments and results of Nijkerk nitrogen test farm during three years of research. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:112-121. Mar. 1953. 12 N383M

52963 JANSSON, S. L. Spreading and turning down of fertilizers. (In Swedish.) Lantmannen 37:303-305. Mar. 28,1953. 11 L234

52964 JEKIĆ, M. Düngung von baumwollkulturen mit mineral- und stalldünger auf alluvialböden in Strumica. (In Serbo-Croatian.) Zeml. i Biljka 1:233-244. Sept./Dec.1952. 56.8 Z42
German summary.

52965 JOHNSON, G. D. Newest ways to use nitrogen on small grains. Successful Farming 51(4):49,142,144. Apr.1953. 6 Su12

52966 JORGENSON, G. E. Root feeding and foliage feeding. Amer. Rose Mag. 11(4):4-7. Apr.1953. 80 Am327A

52967 KELLER. Neue volldünger für den obst- und gartenbau. Obstbau 72:59. Apr.1,1953. 80 Ob73

52968 KELLEY, O. J. Nitrogen in the West. 1. Past and present trends in nitrogen use. Reclam. Era 39:73-74. Apr.1953. 156.84 R24

52969 KEPEVSKI, N. La fumure en vert du tabac. (In Serbo-Croatian.) Duvan 3:419-421. Jan.1953. 69.8 T88

52970 KNICKMANN, E. Düngung im ländlichen hausgarten. R. der Landfrau 11:87-88; 12:97-98. Mar. 12-19,1953. 18 L2347

52971 KOFOED, A. D. Utilization of nitrogen fertilizers 1953. (In Danish.) Dansk Landbr. 72:151-154. Mar. 26,1953. 280.28 V91

52972 KONEKAMP. Aus wurzeln wird humus. Landbforsch. Völkenrode 3:17-18. Jan.1953. 18 L2353
From feed crops.

52973 KONIG, F. Höchste zeit zur düngung von wiesen und weiden mit kali und phosphorsäure! Allgäuer Bauernbl. 21:160. Mar.12,1953. 18 AL53

52974 LINK, C. B., and SHANKS, J. B. Experiments on fertilizer levels for greenhouse Hydrangeas. Amer. Soc. Hort. Sci. Proc. 60:449-458. Dec.1952. 81 So12

52975 LINSER, H., and PELIKAN, W. Uber die verfügbarkeit des bors im borkalkammonsalpeter für pflanzen. Bodenkultur 6:219-224. 1952. 19 B635

52976 LINSLEY, C. M. Facts, phosphates and you; used with limestone, rock phosphate proves its worth to farmers who formerly believed it took a long time to get benefits. Ill. Agr. Assoc. Rec. 31(4):14-15. Apr.1953. 6 IL62

52977 LINT, P. DE. Fruit culture on basin soils. (In Dutch.) Betuws Tuinbouwbl. 11(2):4. Mar.21,1953. 80 B464

52978 LOCSIN, C. Your soil survey report as an aid to liming and potash fertilization. Soil Sci. Soc. Philippines. J. 4:246. Fourth Q.1952. 56.9 So35

52979 LONG, O. H. Nitrogen and spacing experiments with corn. Tenn. Agr. Expt. Sta. B. 232,34 p. Mar.1953. 100 T25S

52980 LOPEZ GUILLEN, J., and RIVAS GODAY, S. Preferencias edáficas de la Distichlis spicata (L.) Greene, en los "gramadales" de Conchan (Lima, Perú). Madrid. Jard. Bot. An. 10(2):605-618. Ref. 1951,pub.1952. 451 M262

52981 LOWE, L. T. Soil fertility. Monmouthshire Inst. Agr. J. 25:5,7,9,11,13,15,17,19,21,23,25,27,29,31-96. Winter 1952/53. 10 M75

52982 LUNDSTEN, T. Regular analysis in greenhouses. (In Danish.) Frø og Gart. 18:11-15. Spring 1953. 80 F92
Foliar diagnosis.

52983 MAGNESS, J. R. Orchard fertilization—ground and foliage. Mich. State Hort. Soc. Proc. 82:60-65. 1952,pub.1953. 81 M58

52984 MARTIN, F. Considérations sur la fumure en riziculture. Indus. Agr. et Aliment. 70:99-105. Feb. 1953. 383 As7
English summary.

52985 MARTIN-LEAKE, H. The soil fertility problem of India. Natl. Inst. Sci. India. Proc. 19:17-22. Jan./Feb.1953. 513 N212

52986 MAURER, K. J. Die obstbaugemässe bodenpflege. Obstbau 72:42. (Cont.) Mar.1,1953. 80 Ob73

52987 MEDERSKI, H. J. How to get the most for your fertilizer dollar. Ohio Farmer 211(7):18-20. Apr.4,1953. 6 Oh3
Application of anhydrous ammonia and liquid nitrogen fertilizers.

52988 MEDERSKI, H. J., and THOMAS, W. Recent tests show no increase in yields after use of liquid fertilizers. Ohio Farm & Home Res. [Ohio Sta.] 38:36,39. Mar./Apr.1953. 100 Oh3S

52989 MEYN, W. Feeding Fuchsias for flowers. Fuchsia Fan 13(4):4-6. Apr.1953. 96,532 F952

52990 MITSCHERLICH, A. Vorschrift zur anstellung von felddüngungsversuchen. Deut. Landwirt. 4(2,sup.), 2 p. Feb.1953. 18 D4822

52991 MOEGLING. War eine mineralvolldüngung der wiesen im dürrejahr 1952 von erfolg? Württemb. Wchnbl. f. Landwirt. 120:223. Feb.28,1953. 18 W96

52992 MORITA, S., and AOKI, A. Studies on the soils of apple orchards in Japan. III. Hort. Assoc. Japan. J. 21: 146-148. Dec.1952. 87 H78

52993 MORITA, Y., ITAKURA, T., and IWATA, M. Studies on physical properties of soils in relation to fruit tree growth. I. Survey of orchard soils (4). Root development response to cultural treatments of peach seedlings. (In Japanese.) Hort. Assoc. Japan. J. 21:129-145. Ref. Dec.1952. 87 H78
English summary.

52994 MTONGANA, W. Z. The soil and the farmer. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 30:41-42. Feb.1953. 24 T684
Fertilizers.

52995 MUCKENBERGER, K. Lässt sich der kalkgehalt des heus durch düngung verbessern? Grünland 2:23-24. Mar.1953. 18 G922

52996 NEWLAND, A. R. Soil care spells garden success. Trop. Homes & Gard. 3(7):7. Apr.1953. 80 T754
Lawn care.

52997 NICHOLS, B. C., and MCMURTREY, J. E. Fertilization experiments with burley tobacco plant beds. Tenn. Agr. Expt. Sta. B. 231,21 p. Mar.1953. 100 T25S

52998 NILSSON, R. Results of local fertilizer experiments in Southern Kalmar Province. (In Swedish.) Kalmar Läns Södra Hushsällsk. Årsskr. 1952:112-126. 11 K122
Field crops.

52999 NORUM, E. B., YOUNG, R. A., and ZUBRISKI, J. C. Nitrogen boosts potato yields. N. Dak. Agr. Expt. Sta. Bimon. B. 15:150-151. Mar./Apr.1953. 100 N813B

53000 ØDELIEN, M. A survey on the effect of lime on plant growth and crops. (In Norwegian.) Gartneryrket 43: 143-146. Feb.21,1953. 80 G1938

53001 OLESEN, J. Copper—a necessary plant nutrient. (In Danish.) Dansk Landbr. 72:134-135. Mar. 12,1953. 280.28 V91

53002 OLESEN, J. Copper—a necessary plant nutrient. (In Danish.) Jydsk Landbr. 35:173-175. Mar. 12,1953. 11 J99

53003 OVYN, E. Organic fertilizing. (In Flemish.) Cult. en Handel 19:171-172. Mar.1953. 80 C892

53004 PAISLEY, K. Fertilisers for horticultural crops. 13. Manures for tomatoes under glass. Fert. Feed. Stuffs & Farm Supplies J. 39:209-210,212-213. Mar.18,1953. 57.8 F413

53005 PENNINGSFELD, F., FAST, G., and SCHNEBLE, K. Verwendbarkeit bayerischer torfe im gartenbau. Mitt. f. Moor- u. Torfwirt. 2:33-72. May/Sept.1952. 60.1 M69

53006 PESEK, J. Time of fertilizer application. Com. Fert. 86(4):30,32-34. Apr.1953. 57.8 C73

53007 PETERSON, H. B., and BALLARD, J. C. Effect of fertilizer and moisture on the growth and yield of sweet corn. Utah. Agr. Expt. Sta. B. 360,16 p. Ref. Feb.1953. 100 Ut1

53008 PETERSON, H. B., NIELSON, R. F., and THORNE, J. P. Selecting and using fertilizers. Utah. Agr. Expt. Sta. C. 132,24 p. Feb.1953. 100 Ut1
A revision of Utah Agricultural Experiment Station Bulletin 126.

53009 PIGNARRE, M. L'emploi des engrais azotés sur céréales en Afrique du Nord. B. des Engrais 349:37-40. Feb.1953. 57.8 B87

53010 PONTAILLER, S. La fertilisation en France et aux Etats-Unis. Potasse 27:47. Mar.1953. 57.8 P84

53011 PRESCOTT, J. A. South Australian experience with inorganic fertilizers. Natl. Inst. Sci. India. Proc. 19: 27-28. Jan./Feb.1953. 513 N212

53012 RADET, E., and ALLOUC, J. Dosage de l'humus dans les amendements humiques dans le sol et dans les tourbes. France. Inst. Natl. de la Rech. Agron. Ann. Sér. A, Ann. Agron. 3:795-805. Sept./Oct.1952. 14 F8499

53013 RAUH, G. Nach nassem herbst die richtige mineraldüngung. Allgäuer Bauernbl. 21:196-197. Mar. 26,1953. 18 AL53

53014 REITERER, M. Was muss der bauer von der kalkdüngung wissen? Kärntner Bauer 103:125. Mar.22, 1953. 19 K14

53015 RIS, J., and PAAUW, F. VAN DER. Fertilizer value of the luminous phosphate Basiphos IX. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:66-71. Feb.1953. 12 N383M

53016 RIS, J. Potash requirements of various crops on Groningen loam soils. (In Dutch.) Groninger Landbbl. 31(11):21. Mar.12,1953. 12 G892

53017 ROLL-HANSEN, J. Molybdenum for cauliflowers. (In Norwegian.) Gartneryrket 43:275-277. Apr. 11,1953. 80 G1938

53018 ROSSE. Magnolias on lime. Roy. Hort. Soc. J. 78:102-104. Mar.1953. 84 L84J

53019 ROUSE, R. D. What's back of Alabama's fertilizer recommendations. Ala. Farmer 32(4,i.e.5):9. Feb.1953. 276.8 AL1
Includes soil tests.

53020 SASTRY, S. K. Manurial tests of sugarcane in Hyderabad State. Sugar Technol. Assoc. India. Proc. 61-94. 1952. 65.9 Su33P

53021 SCHALLOCK, D. A. Recommendations for seed, fertilizer and lime. R. I. State Col. Ext. B. 142,4 p. n.d. 275.29 R34

53022 SCHMID. Kalkdüngung. Bauer 6(11):12-14. Mar.14,1953. 19 B32
Austria.

53023 SCHMITT, L. Die neuzeitlichen düngungsmassnahmen im kreislauf der bodenfruchtbarkeit. In Saller, K., ed. Gesundes land, gesundes leben, p.62-71. Munchen, Pflaum,1953. 33.27 Sa3

53024 SCHOTH, H. A. Characteristics of grasses and legumes for cover crops in nut orchards. Oreg. State Hort. Soc. Proc. 67:168-174. 1952. 81 Or32

53025 SCHULZE, E. Uber oberflächen-, tiefendüngung und düngereinarbeitung auf dauergrünland. Grünland 2:12-14. Feb.1953. 18 G922
Germany.

53026 SCOTT, L. E., and SCOTT, D. H. Further observations on the response of grape vines to soil and spray applications of magnesium sulfate. Amer. Soc. Hort. Sci. Proc. 60:117-122. Dec.1952. 81 So12

53027 SEN, S., and BAINS, S. S. Role of legumes and green manuring in mixed farming holdings. Indian J. Agr. Sci. 22:33-48. Mar.1952. 22 Ag83I

53028 SHERMAN, G. D., and KANEHIRO, Y. Surface cover keeps soils productive in hot regions. What's New Crops & Soils 5(7):16-17. Apr./May 1953. 6 W55

53029 SHIBUKAWA, J., and NARITA, H. On the foliar fertilization of apple trees with urea. (In Japanese.) Hort. Assoc. Japan. J. 21:149-154. Ref. Dec.1952. 87 H78
English summary.

53030 SHIELDS, L. R., MONICAL, N., and BERESFORD, W. Fertilizing turf grasses; how much-when-for what reason. Golf Course Rptr. 21(2):33-40. Mar./Apr. 1953. 60.18 G83

53031 SITTON B. G., NEFF, M. S., and MERRIL, S. Fertilizing tung trees for profit. Amer. Tung News 4(4): 8,10. Apr.1953. 307.8 Am33

53032 SMITH, A. M., and MABBITT, L. A. The contribution to soil organic matter and nitrogen from cereal residues and undersown crops. J. Soil Sci. 4:98-106. Jan.1953. 56.8 J823

53033 SMITH, C. B., and TAYLOR, G. A. Tentative optimum leaf concentrations of several elements for Elberta peach and Stayman apple in Pennsylvania orchards. Amer. Soc. Hort. Sci. Proc. 60:33-41. Ref. Dec.1952. 81 So12
Leaf analysis for fertilizer requirements.

53034 SNIDER, H. J. More protein per acre. Hoard's Dairyman 98:340. Apr.10,1953. 44.8 H65
Pasture fertilizing.

53035 SPRINGER, U. Die neueren ergebnisse der humusforschung in ihrer bedeutung für die bodenfruchtbarkeit. Z. f. Pflanzenbau u. Pflanzenschutz 3:203-212. 1952. 464.8 P88

53036 STANCEVIC, A. S. The need and importance of fertilizing fruit trees. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(16):17-18. Dec.1952. 21.5 V87

53037 STEININGER. Düngungsbeobachtungen auf dauergrünland in marsch und geest. Praxis u. Forsch. 5: 40-44. Mar.20,1953. 18 P89
Germany.

53038 SUAREZ DE CASTRO, F. Distribución de las raices del Coffea arabica L. en un suelo franco-limoso. Fed. Nac. de Cafeteros de Colombia. B. Téc. 1(12):3-28. Jan.1953. 68.29 F31Bt
English summary.

53039 TEAKLE, L. J. H. The role of nitrogen in soil fertility. Sydney,New South Wales Dept. of Agriculture,1952. 9 p. 56.6 T22

53040 THORNTON, M. K. Fertilizer recommendations for Texas. Acco Press 32,i.e.31(3):8-9. Mar.1953. 6 Ac2

53041 TICO, L. Fertilidad en tierras secas de España. Cult. Mod. 36(2):43-45. Feb.1953. 15 C89

53042 TICO, L. Influencia del abonado en el cultivo de la cebolla. Siembra [Madrid] 8(12):20. Dec.1952. 15 Si1

53043 TROGDON, W. O. Fertility status of cultivated soils in Wichita County, Texas. Tex. J. Sci. 5:130-135. Mar.30,1953. 470 T31

53044 TURNBULL, J. Why it pays to keep grass short. Grower [London] 39:679. Apr.4,1953. 286.83 M34
Orchard cover crops.

53045 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Directions for fertilizing shade trees, by C. May. Rev. Beltsville,1952. 2 p. 1.965 F3D62

53046 U. S. REGIONAL SALINITY LABORATORY. Prospectus for special group training course in diagnosis and improvement of saline and alkali soil, by H. E. Hayward. Riverside,Calif.,1953. 3 p. 1.965 A2P946

53047 VALLANCE, L. G. The importance of correct fertilising. Queensland Cane Growers' Assoc. Annu. Conf. Rpt. Proc. 25:26-29. 1952. 281.3659 Q3
Includes discussion.

53048 VASSENGEN, K. The hardwood forest once more. (In Norwegian.) Skogbrukeren 28:63-64. Mar.1, 1953. 99.8 Sk54
Its effect on soils.

53049 VIETS, F. G., and others. Soil application of zinc for control of zinc deficiency in beans, with notes on other field crops. Wash. Agr. Expt. Sta. C. 215,10 p. Mar.1953. 100 W27S
L. C. Boawn, C. E. Nelson, and C. L. Crawford, joint authors.
Zinc deficiency in beans occurs in the Yakima Valley and the Columbia Basin.

53050 WAKELEY BROS. & CO., LTD. Good earth. London,1953. 24 p. 90.1 W13
Fertilizers.

53051 WANG, S. C., LAI, T. M., and YANG, C. C. A preliminary report of the field experiment on liming a sugarcane soil. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:163-171. Dec.1952. 65.9 F76R
English summary.

53052 WANG, S. C., and others. Regional experiments (1948-1952) on NPK-requirement of Taiwan sugarcane soils. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:146-162. Ref. Dec.1952. 65.9 F76R
T. T. Chao, T. M. Lai, K. Y. Li, C. C. Yang, J. J. Shiue, and F. V. Lee, joint authors.
English summary.

53053 WEST VIRGINIA.UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. How to produce high corn yields. W. Va. Agr. Col. Ext. C. 366,7 p. Mar.1953. 275.29 W522C
Includes table of fertilizer recommendations.

53054 WHITE, P. J. Humus. Begonian 20:76-77. Apr.1953. 96.511 B39

53055 WIESE, W. F. G. Fertilizing of early potatoes. (In Dutch.) Groenten en Fruit 8:612. Feb.19,1953. 80 G89

Soil Tilth and Tillage

53056 BAMBERG. Melioration und kultivierungen vom hofe im rahmen des Emslandplanes. Landwirtbl. Weser-Ems 100:345-347. Mar.26,1953. 18 L2345
Tillage.

53057 BASOV, N. I. Plowing methods for sandy and loamy Chernozem soils. (In Russian.) Kormovaîa Baza 4(2):54-58. Jan.1953. 60.8 K84

53058 BOLDICKE, H. Zum krebsschaden unserer ackerböden. Deut. Agrartech. 2:246-248. Aug.1952. 58.8 D482
Deep plowing.

53059 BONDON, J. Problèmes posés par les travaux de préparation du sol. Culture 40:23,25-26. Jan./Feb. 1953. 14 C894

53060 COOK, R. L., and ROOD, P. J. Minimum seedbed fitting works! Sugar Beet J. 18:90-91. Apr.1953. 66.8 Su38
Tillage.

53061 DUBSLAFF, H. Richtige bodenbearbeitung. Deut. Bauern Kal. 1953:122-124. 18 D4826
Russian Zone of Germany.

53062 ENGEL, H. Biologische, physikalische und chemische verbesserung des bodens durch s[illegible]mässe bodenbearbeitung. Deut. Landwirt. 4:94-97. Feb.1953. 18 D4822

53063 FURNEAUX, B. S. The cultivation of soils. Roy. Hort. Soc. J. 78:95-102. Mar.1953. 84 L84J

53064 GEYTENBEEK, P. E. Can trash be handled? So. Austral. Dept. Agr. J. 56:299-304. Feb.1953. 23 So84

53065 KUSS. Betriebswirtschaftliche gedanken zur frühjahrsbestellung. Landwirt. Z. der Nord-Rheinprov. 120:350-352. Mar.21,1953. 18 L2344

53066 MASCARO, T. Does your lawn have thatch? Pop. Gard. [Albany] 4(4):50,82-86. Apr.1953. 80 P812

53067 MERBITZ. Pflugtiefe und untergrundlockerung. Landwirt. Z. der Nord-Rheinprov.120:224-225. Feb.21, 1953. 18 L2344

53068 MERTZNICH. Sind die kämme heil—greif zur schleppe schnell! Bauern-Ztg. 6(10):6,12. Mar.13,1953. 18 B324
Spring tillage in Germany.

53069 NIXON, W. M. Deep plowing of sandy soils. Better Crops Plant Food 37(3):23,40-42. Mar.1953. 6 B46

53070 PETROV, A. P. Improvement of meadows by plowing while preserving the pasture vegetation. (In Russian.) Kormovaîa Baza 4(2):20-25. Jan.1953. 60.8 K84
Equipment.

53071 PEW, W. D. Vermiculite—aid to lettuce; tests show its value as mulch to improve germination in fall. Prog. Agr. Ariz. 5:6,10. Apr./June 1953. 6 P9452

53072 REBOUR, H. Le travail du sol dans les vergers irrigués. Fruits et Primeurs de l'Afrique du Nord 23(243):5-7. Jan.1953. 80 F9482

53073 SCHINDLER. Ratschläge zur frühjahrsbestellung im höhengebiet. Bauern-Ztg. 6(12):4. Mar.27, 1953. 18 B324
Germany.

53074 SPANNAGEL, G. Nasses pflügen in wort und bild. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:624. Apr.9,1953. 18 L2346

53075 TORSTENSSON, G. How to treat fields not plowed in the spring. (In Swedish.) Lantmannen 37:147-148. Feb.14,1953. 11 L234

53076 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Questions and answers on the use of high-nitrogen hay mulch for apple trees. Washington,1953? 6 p. 1.965 F4Q3

53077 VALLANCE, L. G. Tilth—some features of its control. Queensland Soc. Sugar Cane Technol. Proc. 20: 123-126. 1953. 65.9 Q332

53078 VILLEGAS RODAS, M. Preparemos bien la tierra. Campesino [Guatemala] (ser.3)61/63:2-5. May/June 1952. 8 C154

53079 WASHKO, J. B., and CLYDE, A. W. Pasture renewal begins with tillage. Pa. Agr. Expt. Sta. B. 553(sup.2):10. Mar.1953. 100 P381

53080 WOLF, J. P. M. VAN DER. Agriculture on inundated land. I. (In Dutch.) Boer en Tuinder 7(315):6. Feb.28,1953. 12 B632
Tillage.

Drainage, Irrigation, Water Supply, and Flood Control

53081 AARTSEN, J. The disaster. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:74-76. Mar.1953. 12 N282
Flood damage to farms.

53082 ASLYNG, H. C., and KRISTENSEN, K. J. Investigations on the water balance in Danish agriculture. Denmark. Vet.- og Landbohøjsk. Årsskr. 1953:48-90. Ref. 104 D41A

53083 ASSOCIATION INTERNATIONALE D'HYDROLOGIE. Assemblée générale de Bruxelles, 1951, v. 2-4. Louvain,1952? 3 v. 292.9 As7A

53084 ASSOCIAZIONE NAZIONALE DELLE BONIFICHE DELLE IRRIGAZIONI E DEI MIGLIORAMENTI FONDIARI. Relazione delle Commissione per le derivazioni dal Po. [Report of the Commission for branches of the Po]. Assoc. Naz. delle Bonifiche, delle Irrig. e dei Miglioramenti Fondiari. B. 12(sup.),11 p. 1952. 55.9 As72

53085 ATRUSHI, S. Geographic elements in irrigation agriculture in Boise Valley, Idaho. Clark U. Abs. Diss. & Theses 24:11-13. 1952. 241.8 C54

53086 AVANZI, E. Particular aspect of overhead irrigation in respect to mountain agriculture. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:81-87. 1951,pub.1952. 55.9 C7644

53087 BAGROV, M. N. System of irrigation and methods of watering spring wheat in the area of the Volga-Don navigable canal named after V. I. Lenin. (In Russian.) Gidrotekh. i Melior. 5:39-51. Jan.1953. 290.8 G362

53088 BARRETT, W. C., and MILLIGAN, C. H. Consumptive water use and requirements in the Colorado River area of Utah. Utah. Agr. Expt. Sta. Spec. Rpt. 8, 28 p. Ref. Mar.1953. 100 Ut1Sp
U. S. Soil Conservation Service, Division of Irrigation Engineering and Water Conservation cooperating.

53089 BAUMHOFF, R. G. The dammed Missouri Valley. Amer. Planning & Civic Annu. 1952:36-42. 280.9 Am322

53090 BECKER, M. H. Sprinkler irrigation; costs and practices (Willamette Valley, Oregon, 1950). Oreg. Agr. Expt. Sta. B. 532,24 p. Mar.1953. 100 Or3

53091 BELLINCIONI, G. Overhead irrigation and artificial lakes. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:267-270. 1951,pub.1952. 55.9 C7644

53092 BIGLIN, D. This is hay! Water makes the difference. West. Farm Life 55(7):7. Apr.1,1953. 6 R153
An irrigation system in Montana using a reservoir and dikes.

53093 BINDER, K. Landwirtschaftlicher wasserbau und naturschutz. Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21:7-28. 1952. 410.9 W96

53094 BLASS, L. Trickle irrigation of Chrysanthemums. Grower [London] 39:744-745. Apr.11,1953. 286.83 M34

53095 BOGARD, J. They're set to keep their water. Farmer-Stockman, Tex. Ed. 56(4):19,95. Apr. 1953. 6 F22127
Flood prevention program in Texas.

53096 BRENDLER, R. A., and PLATT, R. G. Most effective irrigation is done when irrigator is well informed. Sunsweet Standard 36(11):15-16. Apr.1953. 286.83 Su7

53097 BROMFIELD, L. Stopping floods at their source. Amer. Planning & Civic Annu. 1952:64-67. 280.9 Am322

53098 BROWN, O. K. Are you ready for pasture irrigation in your county? Co. Agent & Vo-Ag Teacher 9(4):12-15. Apr.1953. 275.28 N213

53099 BRYSSINE, G., and CHEROTSKY, M. Note sur le relation entre la salure du sol, celle de l'eau d'arrosage et le régime des irrigations. (Abs.) Soc. des Sci. Nat. du Maroc. Compt. Rend. 8:156-157. 1952. 515 So1C

53100 BUSCA, M. Possibilities and prospectives for better irrigation management. (In Italian.) Riso 2(3):3-5. Mar.1953. 59.8 R49
Italy.

53101 CARL, A. Slow overhead irrigation. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:124-125,127-132. 1951,pub.1952. 55.9 C7644

53102 CAVAZZA, D. Thermal problems in overhead irrigation. (In Italian.) Genio Rur. 16:33-39. Feb. 1953. 281.8 R522

53103 CERVI, V. The eternal struggle against the sea starts again in Holland. (In Italian.) Agricoltura 2 (2):8-13. Feb.1953. 16 Ag8226

53104 CONGRESSO D'IRRIGAZIONE A PIOGGIA DELLA MONTAGNA, 1, TRENT, 1951. Atti [Acts]. Trento,1952. 495 p. 55.9 C7644

53105 COSSETTE, M. L'irrigation, c'est impayable." B. des Agr. 35(3):11,80-83. Mar.1953. 7 B872
Canada.

53106 CRIJNS, A. H. Artificial irrigation on sandy soils. (In Dutch.) Boer en Tuinder 7(320):2. Apr.4,1953. 12 B632
Netherlands.

53107 CURATO, F. Overhead irrigation within the framework of the intervention of the Fund for the South. (In Italian.) Cassa per il Mezzogiorno. Not. 2:10-14. Jan.1953. 280.8 N82

53108 DRAGHETTI, A. The hydro-pedologic bases of measured overhead irrigation. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:67-79. 1951,pub.1952. 55.9 C7644

53109 DRAGHICCHIO, F. Land again emerges in the Comacchio Valley. (In Italian.) Agricoltura 2(2):57-60. Feb.1953. 16 Ag8226
Reclamation.

53110 DVIGANTSEV, V. I. Conference concerning prospects for the development of political economy in the Main Turkmanian Canal zone. (In Russian.) Kormovaia Baza 4(2):61-62. Jan.1953. 60.8 K84
Irrigation.

53111 ELWELL, G. Secondary water control vital to 'Glades farming. Fla. Grower 61(4):15,26. Apr.1953. 80 F6622

53112 ENGLER, K. Ground water problems in the Grand Prairie rice region. Ark. Farm Res. 2:6. Spring 1953. 100 Ar42F

53113 FAZIO, S. DI. Utilization of underground water for increasing agricultural production. (In Italian.) Tec. Agr. 5:25-27. Jan./Feb.1953. 16 T22

53114 FOKEEV, P. M. Grain crops under irrigation. (In Russian.) Selek. i Semen. 20:57-69. Jan.1953. 61.9 Se5
Wheat.

53115 FONVILLE, W. J. New hope for the lowlands. South. Planter 114(4):12,22-23. Apr.1953. 6 So89
Forced drainage in Hyde County, North Carolina.

53116 FURTADO, M. How feasible is State CVP [Central Valley Project] purchase? Calif. Farm Rptr. 14 (3):3. Mar.1953. 281.8 C12

53117 GFRERER, H. Sintflut über Holland. Salzburger Bauer 8(7):1-3. Feb.12,1953. 19 Sa3
Reclamation.

53118 GORI-MONTANELLI, L. Contribution of overhead irrigation to the mountain problems. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:19-30. 1951,pub.1952. 55.9 C7644

53119 GREENSHIELDS, E. L. 8 million more acres irrigated during the past 10 years. Agr. Situation [Washington] 37(4):5-6. Apr.1953. 1 Ec7Ag

53120 GRUBINGER, H. Entwässerung durch vor flutbeschaffung. Osterr. Landtech. 5:278-281. Oct. 1952. 58.8 L236

53121 GUSSONI, L. Pipes and sprinklers for overhead irrigation installations. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7(2):15-21. Mar./Apr. 1952. 58.9 C33

53122 HAIGH, F. B. Irrigation in Queensland. Cong. Queensland Co-op. Papers 1952:87-93. 280.29 Q32

53123 HAMILTON, F. B., and SCHRUNK, J. F. Sprinkler vs. gravity irrigation—a basis for choice of the best systems. Agr. Engin. 34:246-250. Ref. Apr.1953. 58.8 Ag83

53124 HARGRAVE, H. J. Good irrigated pastures and how to get them. Country Guide 72(4):15,64. Apr. 1953. 7 G76

53125 HARVEY, N. Exmoor story. New Statesman & Nation 45:334-336. Mar.21,1953. 280.8 N2132
Reclamation.

53126 HEKMA WIERDA, C. S. Les inondations aux Pays-Bas. Fleur Bleue 22:21-23. Mar.1953. 304.8 F63
Damage to flax farms.

53127 HEMME, R. Landeskultur und wasser- und bodenverbände. Wasser u. Boden 5:29-30. Feb.1953. 56.8 W28

53128 HEWES, L. I. Four States Irrigation Council organized to cut costs. Reclam. Era 39:86-87. Apr.1953. 156.84 R24

53129 HILL, K. W., and PALMER, A. E. Irrigation farming in Southern Alberta. Canada. Dept. Agr. P. 883, 63 p. Mar.1953. 7 C16Pu

53130 HOON, R. C. Agri-irrigational potentialities of land commanded by some of the proposed multi-purpose projects in India. Irrig. & Power 9:438-444. Ref. July 1952. 55.9 In222C

53131 HORN. Das grundwasser als erster ertragsfaktor der weidewirtschaft. Praxis u. Forsch. 5:37-40. Mar.20,1953. 18 P89
Germany.

53132 HUDSON, J. P., and SALTER, P. J. Effects of different water-regimes on the growth of tomatoes under glass. Nature [London] 171:480-481. Mar.14,1953. 472 N21

53133 HUIKARI, O. Suotyypin määritys maa- ja metsätaloudellista käyttöarvoa silmällä pitäen. On the determination of mire types, especially considering their drainage value for agriculture and forestry. Silva Fennica 75,22 p. Ref. 1952. 99.9 F497
English summary.

53134 HUNT, R. What about tobacco irrigation? Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68(4):28,179. Apr. 1953. 6 P945K

53135 HURST, H. E. The Nile: a general account of the river and the utilization of its waters. London,Constable,1952. 326 p. 290 H94

53136 IYER, K. H. Fluming in irrigation works. Irrig. & Power 9:233-245. Apr.1952. 55.9 In222C

53137 JACOBSON, W. L. Consumptive use of water studies in irrigated areas of Alberta. Assoc. Internatl. d'Hydrol. Assemblée Gén. 3:499-501. 1951. 292.9 As7A

53138 JANDOLO, E. Irrigation in its economic and legal aspects. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:88-99. 1951,pub.1952. 55.9 C7644

53139 JANET, M. Overhead irrigation in France. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1: 133-141. 1951,pub.1952. 55.9 C7644

53140 JEANNEAU, Y. Irrigations dans les vergers. Cong. Pomol. de France. Sess. 83:239-251. Ref. 1952, pub.1953. 93.09 C7643

53141 JONES, L. A. Drainage as a tool for increased crop production. Agr. Engin. 34:239-242,250. Apr.1953. 58.8 Ag83

53142 JONGLEI INVESTIGATION TEAM. The Equatorial Nile Project and its effects in the Sudan. Geog. J. 119:33-48. Mar.1953. 472 G29
Irrigation and flood protection.

53143 KAGANOV, M. A., KHVOLES, S. B., and CHUDNOVSKII, A. F. Effect of irrigation on the microclimate of the soil and the surface air layer. (In Russian.) Gidrotekh. i Melior. 5:52-63. Ref. Jan.1953. 290.8 G362

53144 KERR, H. A. Irrigation in upstate New York. N. Y. Agr. Col. A. E. 851,68 p. Mar.1953. 281.9 C81

53145 KOPPEJAN, A. W. G. Damage from the inundation. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:46-48. Feb.1953. 12 N383M
To agriculture.

53146 KOSTIUKOV, M. I. Flood irrigation of meadows and pastures in Kazakhstan. (In Russian.) Gidrotekh. i Melior. 4(12):3-12. Dec.1952. 290.8 G362

53147 KOZMENKO, A. S., and IVANOVSKII, A. D. The snow regime in the Central Forest-Steppe Area. (In Russian.) Gidrotekh. i Melior. 4(12):13-22. Dec.1952. 290.8 G362

53148 LESKOV, IU. An abundant harvest on irrigated land. (In Russian.) Mashinno-Traktornaia Sta. 13:12-14. Jan.1953. 58.8 M11
Chiefly on teaching new irrigation technique to tractor brigade.

53149 LOCSIN, C. L. Preliminary irrigation experiment #116 (51-2) at the VMC nursery grounds. Sugar News 29:55-68. Feb.1953. 65.8 Su36
Victorias-Manalpa district, Philippines.

53150 LØDDESØL, A. Current working and research goals for the Norwegian Marshland Society. (In Norwegian.) Norske Myrselsk. Meddel. 51:30-37. Feb.1953. 11 N813

53151 LOGOV, L. M. Pumps without crankgear for the irrigation units. (In Russian.) Gidrotekh. i Melior. 4(12):48-55. Dec.1952. 290.8 G362

53152 LOUWES, H. J. The yields of soils in the IJsselmeer polders and the drainage of small farms in the Netherlands. (In Dutch.) Nieuwe Veldbode 19:500-502. Mar.19,1953. 12 V542N

53153 LUQUE LOBOS, J. A. Conviene planificar los riegos en los montes frutales cuyanos. Mundo Agr. 46:58. Mar.1953. 9 M92

53154 LUQUE LOBOS, J. A. En los rios sistematizados las variaciones de caudal son de importancia para el riego. Mundo Agr. 5(45):72-73. Feb.1953. 9 M92
Argentina.

53155 MADAN, M. L., and RAO, T. R. A. Applicability of various methods of determining design flood to Tapi Catchment. Irrig. & Power 9:461-471. Ref. July 1952. 55.9 In222C

53156 MAITS, B. Bring back your wet lands. Country Gent. 123(4):47,101-103. Apr.1953. 6 C833
A community drainage program, Sussex County, Delaware.

53157 MALYSHEV, N. A. Great construction on the Volga. (In Russian.) Priroda 42(2):29-38. Feb.1953. 410 P933
Kuĭbyshev Hydroelectric Station and irrigation systems.

53158 MANN, D. Flood control job is a big one. III. Kans. Farmer 90(7):6,44-45. Apr.4,1953. 6 K13
Control in the Kaw River basin.

53159 MARCHI, G. DE. Il problema della difesa del suolo dalle inondazioni come si presenta dopo l'ultima piena del Po. [Problem of protecting soil from floods like the Po flood]. Milano,1952. 8 p. (Memorie e Studi dell' Instituto di Idraulica e Costruzioni Idrauliche del Politecnico di Milano 94) 290 M344P

53160 MARZANI, G. Non-welded steel pipes in overhead irrigation. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:304-310. 1951,pub.1952. 55.9 C7644

53161 MASON, J. R. Tax benefited land to pay for CVP [Central Valley Project]. Calif. Farm Rptr. 14(3):4. Mar.1953. 281.8 C12

53162 MATOBA, T. Role of irrigation on agricultural development in USSR. (In Japanese.) Nōgyō Sōgō Kenkyū 6(4):255-262. Oct.1952. 22.5 N687

53163 MELAMID, A. Egypt and the Gezira Irrigation Scheme of the Sudan. Middle East. Aff. 4:87-90. Mar. 1953. 280.8 M584

53164 MEXICO. SECRETARIA DE RECURSOS HIDRAULICOS. Informe de labores del 1º de septiembre de 1951 al 31 de agosto de 1952. Ingen. Hidrául. en Méx. 6(4):5-229. (Concl.) Oct./Dec.1952. 290.8 In43
English summary.
Includes flood control and irrigation.

53165 MONTANARI, V. The development of overhead irrigation in Italy. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:271-287. 1951,pub.1952. 55.9 C7644

53166 MONTI, P. The Elena Canal for the completion of irrigation in the land between Dora Baltea, Po and Ticino. (In Italian.) Conv. Naz. della Risicolt. Atti Uffic. 1:85-89. 1952. 59.9 C7623

53167 MORGAN, A. Irrigated lucerne in Victoria. Victoria. Dept. Agr. J. 51:49-58. Feb.1953. 23 V66J

53168 MORRISON, S. R. Rice irrigation experiments at the Beaumont Station in 1952. Rice J. 56(4):27. Apr. 1953. 59.8 R36
Texas.

53169 NATIONAL RECLAMATION ASSOCIATION. WATER POLICY COMMITTEE. A national water policy. Washington,1952. 14 p. 292 N214

53170 NERLI, N. The mechanics of installing overhead irrigation. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:31-66. 1951,pub.1952. 55.9 C7644

53171 NICHOLSON, H. Tile draining; sit back for a season and watch. Power Farmer 10:126-128. Apr.1953. 58.8 P872

53172 OGROSKY, H. O. Outline of procedures used to determine the effect of land treatment measures on flood flows. Assoc. Internatl. d'Hydrol. Assemblée Gén. 4:125-130. 1951. 292.9 As7A

53173 OSTROMECKI, J. Evaporation from the surface of meadows on deep loams. Assoc. Internatl. d'Hydrol. Assemblée Gén. 3:452-467. 1951. 292.9 As7A

53174 PANDYA, A. C. Selection of pumping unit for irrigation. Bansilal Amritlal Agr. Col. Mag. 6:8-11. Sept.1952. 22 B22

53175 PANE MERCE, J. El cultivo del trigo en regadio. Agricultura [Madrid] 22:68-73. Feb.1953. 15 Ag84

53176 PEARSON, C. H. O. Overhead spray irrigation trial; encouraging results at Chaka's Kraal. So. African Sugar J. 37:89,91. Feb.1953. 65.8 So8

53177 PILLSBURY, A. F. Concrete pipe for irrigation. Calif. Agr. Expt. Sta. C. 418,51 p. Nov.1952. 100 C12S

53178 PISKUNOV, V. IA. Technology of soil preparation for dam construction of small reservoirs. (In Russian.) Les i Step' 5:84-89. Jan.1953. 99.8 L565

53179 POKRASS, E. P. Topography and melioration of Baraba Lowland. (In Russian.) Priroda 42:97-100. Jan.1953. 410 P933
Drainage of marshes chiefly.

53180 POSSAGNO, M. Fertirrigation in mountain areas. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:288-289. 1951,pub.1952. 55.9 C7644

53181 RAMSAUER, B. Overhead irrigation in Austria. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:116-123. 1951,pub.1952. 55.9 C7644

53182 ROCA ROCA, R. Agrarismo y urbanismo. Inst. Agr. Catalán de San Isidro. Rev. 101:245-246. Oct.1952. 15 Sa5
Purification of residual water used for irrigation, in Spain.

53183 ROWE, P. A. Western Canada's irrigation schemes. World Crops 5:138-140. Apr.1953. 281.8 W892

53184 RUATTI, G. Note on irrigation in the High Trentino-Adige region. (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:291-303. Ref. 1951, pub.1952. 55.9 C7644

53185 RUCKER, B. T. Contour or elevation maps are great aid in planning layout for irrigation. Tex. Hi-Plains Irrig. J. 2(3):7-8. Mar.1953. 55.8 H61

53186 SANWAL, K. D. The respective roles of civil and mechanical engineers in Tubewell Irrigation Schemes. Irrig. & Power 9:289-293. Apr.1952. 55.9 In222C
India.

53187 SATO, S., and HUNAHASHI, Y. Daily change of the net duty of irrigating water for the rice-field in midsummer. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:124-126. Nov.1952. 340.9 So1
English summary.

53188 SCHORPP, P. Die überschwemmungskatastrophe in Holland. Obstbauversring. des Alten Landes. Mitt. 8:45-50. Feb.1953. 85 J76

53189 SEEPAGE loss challenged. Colo. Farm & Home Res. [Colo. Sta.] 3(5):5,11. Jan./Feb.1953. 100 C712Co
Water loss from seepage in irrigation channels.

53190 SHAROV, I. Deep [soil] moisture storage as a basis for obtaining large crops of cotton in new irrigated regions. (In Russian.) Khlopkovodstvo 12:12-21. Dec. 1952. 72.8 K522

53191 SHINER, E. Chikaskia farmers plan to fight floods with good farming. Farmer-Stockman 56(4):27,94-95. Apr.1953. 6 Ok45

53192 SIAM. ROYAL IRRIGATION DEPT. Tank irrigation scheme. (In Siamese.) Kasikorn 26:25-37. Jan. 1953. 22.5 K15
English summary.

53193 SINGH, S. D. Irrigation: key to production; to clothe her millions India must have more cotton. Cotton Trade. J. Internatl. Ed. 20:65,67. 1952/53. 72.8 C3214I

53194 SIPKES, C. Menschliche hilfe bei der landschaftlichen entwicklung der dünenküste auf Voorne (Holland). Wasser u. Boden, Jan.1953:2-5. 56.8 W28

53195 SLUIS, P. M. VAN DER. The El Ghab Valley in Syria. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:61-69. (Cont.) Mar.1953. 12 N282
Irrigation program.

53196 SOOD, M. L. Flood control on the Mississippi River. Irrig. & Power 9:472-473. July 1952. 55.9 In222C

53197 STJERNDAHL, H. Mechanized making of covered drainage ditches. (In Swedish.) Alvsborgs Läns Norra Hushsällsk. Tidskr. 60:12-14. 1953. 11 AL82

53198 STRATTON, C. L. Are you going to irrigate? New Eng. Homestead 126(7):22-23,26. Apr.11,1953. 6 N442
Water supply.

53199 TALWANI, B. S., GHOTANKAR, S. T., and APTE, A. S. Design of Canal Falls. Irrig. & Power 9: 269-288. Apr.1952. 55.9 In222C
India.

53200 TESTA, J. Irrigation of coffee plantation. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 28 (311):5-6. Jan.1953. 68.29 Sa63

53201 THORNE, D. W., and THORNE, J. P. Are irrigation waters injuring Utah soils? Farm & Home Sci. [Utah Sta.] 14(1):3,22. Mar.1953. 100 Ut1F

53202 THURMOND, R. V. Irrigation assumes greater importance with new techniques. Tex. Hi-Plains Irrig. J. 1(10):4,23-25. Dec.1952. 55.8 H61

53203 THURMOND, R. V. Irrigation is my job. Co. Agent & Vo-Ag Teacher 9(4):18-19. Apr.1953. 275.28 N213

53204 U. S. GEOLOGICAL SURVEY. Floods of March-April 1951 in Alabama and adjacent states. U. S. Geol. Survey. Water-Supply Paper 1227-A,134 p. 1953. 407 G29W

53205 U. S. GEOLOGICAL SURVEY. Ground-water resources of Snohomish County, Washington. U. S. Geol. Survey. Water-Supply Paper 1135,133 p. Ref. 1952. 407 G29W

53206 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1950. 2. South Atlantic Slope and eastern Gulf of Mexico Basins. U. S. Geol. Survey. Water-Supply Paper 1172,565 p. 1952. 407 G29W

53207 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1950. 3. Ohio River Basin. U. S. Geol. Survey. Water-Supply Paper 1173,730 p. 1953. 407 G29W

53208 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1950. 12. Pacific Slope Basins in Washington and Upper Columbia River Basin. U. S. Geol. Survey. Water-Supply Paper 1182,363 p. 1953. 407 G29W

53209 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1950. 14. Pacific slope basins in Oregon and lower Columbia River Basin. U. S. Geol. Survey. Water-Supply Paper 1184,320 p. 1952. 407 G29W

53210 U. S. GEOLOGICAL SURVEY. Water levels and artesian pressures in observation wells in the United States in 1950. 3. North-Central States. U. S. Geol. Survey. Water-Supply Paper 1167,198 p. 1952. 407 G29W

53211 U. S. RURAL ELECTRIFICATION ADMIN. Suggested electrification adviser training outline; electric pump irrigation, REA. Washington,1953. 54 p. 1.933 Su397

53212 U. S. SOIL CONSERVATION SERV. Irrigation, infiltration, and salinity studies on the Owyhee Project, 1952 annual progress report, by F. M. Tileston. n.p., 1953. 73 p. 55.8 Ir79
Oregon Agricultural Experiment Station, U. S. Bureau of Reclamation, U. S. Bureau of Plant Industry, Soils and Agricultural Engineering, and U. S. Regional Salinity Laboratory cooperating.

53213 U. S. SOIL CONSERVATION SERV. Summary group drainage work in Soil Conservation districts with SCS assistance, calendar year 1952, and to date totals. Washington,1953. 11 p. 1.96 Op2Sug

53214 U. S. SOIL CONSERVATION SERV. Summary group irrigation work in Soil Conservation Districts with SCS assistance, calendar year 1952 and to date totals. Washington,1953. 9 p. 1.96 Ad6Sum

53215 VAJDA, A. DE. Some aspects of surface water development in arid regions. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 21,45 p. Nov.1952. 281.9 F733

53216 VYAS, A. R. Irrigation by tube wells. Output 7:23,25-27. 1953. 286.8 Ou8

53217 WARNE, W. E. Water resources for agriculture. In Northwestern University. World population and future resources, p.84-93. New York,Amer. Book Co., 1952. 280 N812

53218 WARNICK, C. C., and ABBEY, R. J. Prefab canal linings rated by seepage tests. West. Constr. 28(4): 74-75,142. Apr.1953. 290.8 W522

53219 WILCOX, J. A. Sprinkler irrigation of tree fruits and vegetables in British Columbia. Canada. Dept. Agr. P. 878,73 p. Jan.1953. 7 C16Pu

53220 WOOD, I. D. The water we waste. Colo. Rancher & Farmer 7(6):1,6,20. Mar.28,1953. 6 C714
Conservation of irrigation water.

53221 ZAGUMENNYI, A. Experiments in use of temporary drainage network in utilizing saline fallows. (In Russian.) Khlopkovodstvo 12:54-58. Dec.1952. 72.8 K522

53222 ZDRIL'KO, A. F., and DELONE, L. N. Experiments with winter wheat varieties under conditions of irrigation. (In Russian.) Selek. i Semen. 20:69-75. Jan. 1953. 61.9 Se5

Erosion and Erosion Control

53223 ALLRED, B. W. Texas drouth proves conservation ranching pays in dry as well as wet cycle. Tex. Livestock J. 12(4):6,18. Apr.1953. 49 T29

53224 ALVARENGO, L. Erosión y denudación. Ateneo 39(195/196):6-8. July/Dec.1952. 110 At2

53225 BASU, J. K., and PURANIK, N. B. Land erosion with particular reference to agricultural lands in the dry areas of the Bombay State. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:57-63. 1951. 292.9 As7A

53226 BINCKES, T. C. J. Birthright of the nation. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 30:7-8. Feb.1953. 24 T684
Need for soil conservation in the Transkeian Territories.

53227 BROOK, T. R. Soil and water conservation in sisal; explanation of the co-ordination of methods of contour planting and rail haulage. East African Agr. J. 18: 79-83. Oct.1952. 24 Ea74
In Kenya.

53228 BRUNE, G. M. Sediment records in Midwestern United States. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:29-38. 1951. 292.9 As7A

53229 CAMPBELL, D. A. Types of soil erosion prevalent in New Zealand. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:82-95. 1951. 292.9 As7A

53230 CHAVEZ VIAUD, M., and FLANAGAN, J. E. Climatic phenomena as they affect erosion in Salvador. (Abs.) Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:65. 1951. 292.9 As7A

53231 CLASE, F. E. That dust is the red light on the farmer's path. (In Afrikaans.) Landbouweekblad 34(1755): 9. Mar.4,1953. 24 L232
Mechanization and dust storms.

53232 CORMACK, R. M. M. Land erosion in Southern Rhodesia. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:17-28. 1951. 292.9 As7A

53233 CUTARI, J. I. El plan Nacional y el de Córdoba estudian la erosión de los suelos y la forestación. Mundo Agr. 5(45):20-24. Feb.1953. 9 M92

53234 GREENHALL, A. F. Soil erosion and its control in the south half of the North Island of New Zealand. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:106-114. 1951. 292.9 As7A

53235 HENIN, S. L'erosion du sol en France. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:12-16. 1951. 292.9 As7A

53236 HILL, W. W., and POWERS, W. L. Land capability for soil and water conservation in Oregon. Oreg. Agr. Expt. Sta. B. 530,30 p. Jan.1953. 100 Or3

53237 HUISMAN, H., and NOORDHOFF, D. Some observations on the Marne area. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:97-105. 12 N38Vg
Silt content of soils.

53238 KAWAMURA, R. Sand movement by wind. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:66-67. 1951. 292.9 As7A

53239 KHEDKER, V. R., and others. Land erosion and geological survey for rehabilitation near Barhi, District Hazaribagh, Bihar. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:44-56. 1951. 292.9 As7A
B. Mukherjee, P. Kar, S. N. P. Srivastava, B. Dey, S. K. Ramaswamy, and C. K. R. Sastry, joint authors.

53240 KOZMENKO, A. S., and IVANOVSKII, A. D. Regime of surface run-off in the Central Forest-Steppe Area. (In Russian.) Gidrotekh. i Melior. 5:3-18. Jan. 1953. 290.8 G362

53241 LOWDERMILK, W. C. Problems in reducing geological erosion in Japan. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:115-120. 1951. 292.9 As7A

53242 MERRILL, L. P. We'll beat wind erosion. Soil & Water Mag. 2(4):10-12. Apr.1953. 54.8 So3

53243 MISSINGHAM, L. J. Saving soil in pineapple plantations. Queensland Fruit & Veg. News 3:45-46. Jan.8,1953. 280.38 Q3
Erosion control.

53244 MOOKERJEE, D. Empirical formulae for the estimation of maximum flood runoff. Assoc. Internatl. d'Hydrol. Assemblée Gén. 4:98-103. 1951. 292.9 As7A

53245 PEARCE, H. C. H. Soil erosion and its control in the southern half of the South Island of New Zealand. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:39-43. 1951. 292.9 As7A

53246 PHAGAN, C. V. Terrace maintenance in Oklahoma. Okla. Agr. Col. Ext. C. 572,8 p. n.d. 275.29 Ok41C

53247 POTTER, W. D. Use of short-term runoff records in probability studies. Assoc. Internatl. d'Hydrol. Assemblée Gén. 3:240-251. Ref. 1951. 292.9 As7A

53248 POUILLOT, J. Mission de productivité pour l'étude de la conservation du sol et de l'eau aux États-Unis—rapport préliminaire. Agron. Trop. [Nogent-sur-Marne] 8:82-88. Jan./Feb.1953. 26 Ag86

53249 PRITCHARD, H. W. Soil conservation district development. Iowa Soil Dist. & Watersheds B. 1(5):6-7, 22-23. Mar.1953. 290.8 Io9

53250 QUEVEDO, C. V. Simples prácticas de conservación del suelo atenúan los graves efectos de las sequias. Rev. Ganad. [San Salvador] 11(150):19-22. Jan./Feb.1953. 8 R3292

53251 RENIGER, A. Soil erosion investigations in Poland. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:68-72. 1951. 292.9 As7A

53252 ROBINSON, B. D. Soil—a heritage for future generations. Washington,U. S. Soil Conserv. Serv.,1953. 8 p. 1.96 Ad6Ro
Talk before the Macon Federated Garden Clubs, Macon, Georgia, Jan. 30, 1953.
Conservation education.

53253 SALCEDO DIAZ, R. El distrito o núcleo de conservación de suelos de Venecia. Soc. Antioqueña de Agr. B. Agr. 394:3863-3869; 395:3926-3931. (Concl.) Feb.-Mar.1953. 9.4 So1

53254 SALTER, R. M. Getting technology into action on the land. Washington,U. S. Soil Conserv. Serv.,1953. 7 p. 1.965 A2Sa3
Remarks at a meeting of Soil Conservation Service employees at State College, Pennsylvania, Mar. 12, 1953, on soil conservation.

53255 SANCHEZ, T. R. Control de la erosión en los ríos. Cent. Nac. de Agron. C. Agr. 59,6 p. Nov.1952. 8 Sa54C

53256 SCHIFF, L. Infiltration—a tool for the evaluation of the effect of land use on surface runoff. Assoc. Internatl. d'Hydrol. Assemblée Gén. 3:321-330. 1951. 292.9 As7A

53257 SUAREZ DE CASTRO, F. El primer congreso de Agrónomos Colombianos y la conservación de los suelos. II. Agr. Trop. 9(3):55-56. Mar.1953. 26 Ag8

53258 TISON, L. J. Transport des matières solides et sedimentation dans la Vallee de l'Escaut. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:121-123. 1951. 292.9 As7A

53259 TIXERONT, J. Conditions historiques de l'erosion en Tunisie. Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:73-81. 1951. 292.9 As7A

53260 TONDEUR, G. Quelques aspects du probleme de l'erosion au Congo Belge. (Abs.) Assoc. Internatl. d'Hydrol. Assemblée Gén. 2:64. 1951. 292.9 As7A

53261 TROXELL, H. C. The influence of certain physiographic features on flood runoff in southern California. Assoc. Internatl. d'Hydrol. Assemblée Gén. 4: 131-139. 1951. 292.9 As7A

53262 TRYSELIUS, O. Forecasting runoff in Sweden. Assoc. Internatl. d'Hydrol. Assemblée Gén. 3:237-239. 1951. 292.9 As7A

53263 U. S. SOIL CONSERVATION SERV. Infiltration estimates from soil-permeability data and the soil-conservation survey in Virginia, by H. N. Holtan and M. H. Kirkpatrick. Washington,1952. 11 p. 1.96 R31Inf

53264 U. S. SOIL CONSERVATION SERV. Soil conservation districts; status of organization, by States, approximate acreage, and farms in organized districts. Washington,1953. 3 p. 1.96 R27Sc

53265 U. S. SOIL CONSERVATION SERV. Summary, runoff and waterflow retardation and soil erosion prevention (flood control operations) in authorized watersheds. Cumulative to December 31, 1952. Washington, 1953. 7 p. 1.96 Ad6Sr

53266 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Sandblow stabilization. U. S. Soil Conserv. Serv. Upper Miss. Region. JS-34,2 p. Jan.1953. 1.9605 J11

53267 UPPAL, H. L. Erosion and transportation of material by rivers and canals. Assoc. Internatl. d'Hydrol. Assemblée Gén. 3:131-149. 1951. 292.9 As7A

53268 WALKER, E. D. I got out on the land. Soil Conserv. 18:219-227. May 1953. 1.6 So3S
Report on a study of soil and water problems and the work of districts in meeting them.

53269 WALSER, P. H. Looking ahead in soil conservation. Tex. J. Sci. 5:5-8. Mar.30,1953. 470 T31

53270 WARREN, C. O. Soil conservation. Rur. Kentuckian 6(3):4-5,26-27. Mar.1953. 335.8 K41

53271 WILKIE, D. R. Soil erosion and its control in the northern half of the South Island of New Zealand. Assoc. Internatl. d'Hydrol. Assemblée Gen. 2:96-101. 1951. 292.9 As7A

Sanitation

53272 ANDERSON, P. J. Soil fumigation pays dividends. Cigar Val. News 3(4):3,10. Apr.1953. 286.89 C482

53273 BAARS, J. K. Soil hygiene. (In Dutch.) T. N. O.-Nieuws 8:102-103. Mar.1953. 475 T11

53274 CHRIST, E. G., SHANNON, L. M., and WHITEBREAD, C. C. Preliminary results with soil fumigation in peach orchards. N. J. State Hort. Soc. Hort. News 34:2628,2634. Mar.1953. 81 N46

53275 CICCARONE, A., and RUGGIERI, G. Preliminary field trials for the control of the soil parasites. (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:41-56. 1951,pub. 1953. 464.9 R662
English summary.

53276 ENIGK, K. Die bodendesinfektion mit methylbromid. Deut. Tierärztl. Wchnschr. 60:131-132. Ref. Mar.15,1953. 41.8 D482

53277 MARTIN, J. P., BAINES, R. C., and FOOTE, F. Fumigating soil for citrus replants. Calif. Citrog. 38: 216-218. Apr.1953. 80 C125

53278 MARTIN, J. P., BAINES, R. C., and FOOTE, F. Fumigating soil for citrus replants. Citrus Leaves 23(4):30,32. Apr.1953. 80 C492

53279 SEELEY, J. G. Plastic sterilizing covers. Pa. Flower Growers B. 28:1,6. Apr.1953. 80 P382
For soil fumigation.

53280 TRAPPMANN, W. Pflanzenschutz in den USA. VI. Bodenbegasungsverfahren. Gesunde Pflanzen 5:65-67. Mar.1953. 464.8 G33

MATERIALS FOR SOIL IMPROVEMENT

53281 BASU, J. K., and REGE, N. D. Organic versus inorganic manures. Natl. Inst. Sci. India. Proc. 19:29-32. Ref. Jan./Feb.1953. 513 N212

53282 BHOWMICK, H. D., and RAYCHAUDHURI, S. P. Relative merits of organic manures and inorganic fertilizers. Natl. Inst. Sci. India. Proc. 19:35-43. Ref. Jan./Feb.1953. 513 N212

53283 DHAR, N. R. Organic versus inorganic manures in land improvement and crop production. Natl. Inst. Sci. India. Proc. 19:97-108. Jan./Feb.1953. 513 N212

53284 DHAR, N. R. Value of organic manures and inorganic fertilizers. Natl. Inst. Sci. India. Proc. 19:1-16. Jan./Feb.1953. 513 N212

53285 FOWLER, G. Organic versus inorganic manures. Natl. Inst. Sci. India. Proc. 19:33-34. Jan./Feb.1953. 513 N212

53286 GORSKI, M., and GORALSKI, J. The fertilization value of natural and synthetic ground horn. (In Polish.) Rocz. Nauk Roln. 62:19-26. 1952. 20.5 R59
English summary.

53287 RODALE, J. I. Why organic manures are better than chemical fertilizers. Natl. Inst. Sci. India. Proc. 19:53-61. Jan./Feb.1953. 513 N212

53288 SHRIKHANDE, J. G. Humus or artificials. Natl. Inst. Sci. India. Proc. 19:75-81. Ref. Jan./Feb. 1953. 513 N212

53289 VISWANATH, B. Organic versus inorganic manures in land improvement and crop production. Natl. Inst. Sci. India. Proc. 19:23-25. Jan./Feb.1953. 513 N212

53290 WAITE, J. Organic fertilizers are different fertilizers. Org. Farmer 4(8):30-31. Mar.1953. 57.8 Or3

Primary Materials

53291 HUANG, T. H. Serpentine-fused phosphate: citric solubility and glass content correlation. J. Agr. & Food Chem. 1:62-67. Ref. Apr.1,1953. 381 J8223
For fertilizer.

53292 JENSEN, O. F. A report on urea-ammonia solutions and their use. Fert. Process Prog. 2(2):1,3-4, 6. Feb.1953. 57.8 F418

53293 MARKEY, J. W. Determination of source and distribution of P_2O_5 in triple superphosphate by radioactive phosphoric acid. (Abs.) Iowa State Col. J. Sci. 27: 216-217. Jan.1953. 470 Io9

Secondary and Minor Element Materials

53294 STROMME, E. R. Availability to plants of iron and manganese in glassy frits. Mich. U. Diss. Abs. 13:9. Feb.1953. 241.8 M58

Mixed Fertilizers and Fertilizer Technology

53295 COSTA RICA. COMITE DE NORMAS Y ASISTENCIA TÉCNICA INDUSTRIAL. Norma oficial de fósforos. San José,Borrasé,1952. 4 p. 309 C822

53296 FISHER, H. J. Commercial fertilizers; report for 1952. Conn. (State) Agr. Expt. Sta. B. 563,65 p. Dec. 1952. 100 C76St

53297 LONGWELL, J. H., and others. Fertilizer inspection and analysis: spring, 1952, including fertilizer tonnage data. Mo. Agr. Expt. Sta. B. 588,65 p. Oct.1952. 100 M693
R. C. Prewitt, C. W. Gehrke, and E. W. Cowan, joint authors.

53298 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Higher analysis mixed fertilizers as a factor in more efficient use of plant nutrients, by J. R. Adams, F. W. Parker, and K. D. Jacob. Beltsville,1952. 13 p. 1.965 A2H53

53299 VIANNA E SILVA, M. Ammonium nitrate mixed fertilizer. (In Portuguese.) Vida Agr. [Lisboa] 15(93):3-4. Jan./Feb.1953. 15.5 V66

Fertilizer Statistics

53300 ALLSTETTER, W. R. Disposition of the future output. Com. Fert. 86(4):28-29,58. Apr.1953. 57.8 C73

53301 BOYLAN, D. R. Development of fused phosphate fertilizers. (Abs.) Iowa State Col. J. Sci. 27:134-135. Jan.1953. 470 Io9

53302 BURROUGHS, E. O. Importance of housekeeping in fertilizer plants. Agr. Chem. 8(4):35-36,141,143. Apr.1953. 381 Ag8

53303 CARSON, H. C. Miller Chem & Fert is typical farm chemicals company making fertilizers and pesticides for a balanced operation. Farm Chem. 116(4):32-33, 72. Apr.1953. 57.8 Am3

53304 CHERRY, G. Publicity for fertilisers. Fert. Feed. Stuffs & Farm Supplies J. 39:245-246. Apr.1,1953. 57.8 F413

53305 CHITRYCH, G., and KUMANEWA, T. Mechanisierung der herstellung granulierter düngemittel. Deut. Agrartech. 2:235. Aug.1952. 58.8 D482

53306 COLEMAN, R. The potential for fertilizer usage in the United States. Assoc. Amer. Fert. Control Off. Off. P. 6:30-32. Nov.1952. 57.9 As7

53307 DUMENIL, L. Fertilizer sign language. Agr. Chem. 8(4):40-41,139,141. Apr.1953. 381 Ag8
Signs to advertise fertilizers used in certain fields.

53308 GONCHARENKO, F. T. Testing the granulator of organic and mineral fertilizers. (In Russian.) Sel'khozmashina 11:8-9. Nov.1952. 58.8 Se42

53309 HEINZEL, A. Aktuelles über die handelsdüngeranwendung in Kärnten. Kärntner Bauer 103:123-125. Mar.22,1953. 19 K14

53310 HENMI, K. World fertilizer situation, 1952. (In Japanese.) Nōgyō Sōgō Kenkyū 7:281-292. Jan.1953. 22.5 N687

53311 HIGGS, C. W. Legislating for the fertiliser & feeding stuffs trade. Agr. Merchant 33:86-87. Mar.1953. 10 Ag89

53312 HOPPER, W. C. Fertilizers for U.S. farms. Foreign Trade 13(325):12-14. Mar.21,1953. 286.8 C162
Consumption and supplies.

53313 KAPUSTA, E. C. Some manufacturing problems and new developments in fertilizer technology. Assoc. Amer. Fert. Control. Off. Off. P. 6:51-56. Nov.1952. 57.9 As7

53314 KRZHEMENEVSKIĬ, V. S., and ABUĬANCHIKOV, B. P. Equipment for preparation of organic and mineral [fertilizer] granules. (In Russian.) Sel'khozmashina 11:3-5. Nov.1952. 58.8 Se42

53315 MCKNIGHT, D., and others. Superphosphate manufacture. J. Agr. & Food Chem. 1:162-166. Apr.15, 1953. 381 J8223
J. F. Anderson, M. M. Striplin, and T. P. Hignett, joint authors.
Fertilizer.

53316 MAMIN, V. IA., and STEFANOV, A. A. Equipment for manufacturing granulated organic and mineral fertilizers. (In Russian.) Sel'khozmashina 11:6-7. Nov. 1952. 58.8 Se42

53317 MORGAN, Q. M. Commercial fertilizer situation. Foreign Agr. 17:71-75. Apr.1953. 1.9 Ec7For

53318 PURNARIKSHA, R. The situation of phosphate fertiliser in Thailand. (In Siamese.) Kasikorn 26:92-97. Jan.1953. 22.5 K15
English summary.

53319 ROWE, M. B. Bulk fertilizer distribution. Assoc. Amer. Fert. Control Off. Off. P. 6:62-70. Nov. 1952. 57.9 As7

53320 TRUITT, P. T. Prospective promotions for plant food. Assoc. Amer. Fert. Control Off. Off. P. 6:32-37. Nov.1952. 57.9 As7

53321 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. A national program for more efficient use of fertilizer and lime. Washington,1952. 8 p. 1.91 A2N212

53322 U. S. TENNESSEE VALLEY AUTHORITY. Development of processes for production of calcium metaphosphate fertilizer, by J. C. Brosheer. U. S. Tenn. Val. Authority. Chem. Engin. Rpt. 6,102 p. Ref. 1953. 173.2 T25Ce

53323 WILLIAMS, F. H. Fertilizers for 1953; registered brands. Victoria. Dept. Agr. J. 51:40-46. Jan. 1953. 23 V66J

Mineral Soil Amendments

53324 EDSON, S. N. A rapid test for calcium carbonate equivalent in liming materials. Better Crops Plant Food 37(3):22,44-45. Mar.1953. 6 B46

53325 FOURCAUD, F. A propos des engrais d'os. Rev. Agr. de l'Afrique du Nord 51:173-174. Feb.13,1953. 80 R326

53326 GERICKE, S. Thomasphosphat, sein werden und wirken. Ed. 23. Essen,Tellus,1952. 88 p. 57.24 G31T

53327 SMITH, D. H., BLUME, J. M., and WHITTAKER, C. W. Liming materials in soils; radiochemical measurement of reaction rates. J. Agr. & Food Chem. 1: 67-70. Ref. Apr.1,1953. 381 J8223

53328 WILLIAMS, F. H. Agricultural lime—brands registered for 1953. Victoria. Dept. Agr. J. 51:28. Jan. 1953. 23 V66J

Manures and Composts

53329 ACHARYA, C. N. Huge wastage of organic manure resources in India. Natl. Inst. Sci. India. Proc. 19:47-52. Jan./Feb.1953. 513 N212

53330 AHRER, K. Ein güllelehrfilm. Bauer 6(12): 8-10. Mar.21,1953. 19 B32
Austria.

53331 BAUMANN, H., and OLBERTZ, M. H. Zur wirkung städtischer abwässer auf die bodenfruchtbarkeit bei anwendung übergrosser abwassermengen. Wasser u. Boden 5:35-41. Ref. Feb.1953. 56.8 W28

53332 BYCZKOWSKI, A., and OSTROMĘCKA, M. Some industrial by-products containing nitrogen and their usefulness for fertilization purposes. (In Polish.) Rocz. Nauk Roln. 62:27-59. 1952. 20.5 R59
English summary.

53333 DENMARK. STATENS FORSØGSVIRKSOMHED I PLANTEKULTUR. Disposal and utilization of silage juice. (In Danish.) Tidsskr. f. Planteavl 56:345-349. 1953. 11 T439
As fertilizer.

53334 GORSKI, M., and WENEROWICZ, J. The fertilizing effect of urine. (In Polish.) Rocz. Nauk Roln. 65:115-141. 1952. 20.5 R59
English summary.

53335 HAUER, E. Die moderne gülleret. Salzburger Bauer 8(15):1-2. Apr.9,1953. 19 Sa3

53336 HICKS, SIR C. S. Sewage, refuse and food production. Queensland Fruit & Veg. News 3:117-121. Jan.22,1953. 280.38 Q3
Fertilizers.

53337 HILLEBRAND. Verwertung von rebholz nach dem schnitt. Deut. Weinbau 8:109. Mar.5,1953. 390.8 W432
As fertilizer.

53338 IBBETT, W. C. Prejudice against sawdust unjustified. Com. Grower 2987:652. Mar.26,1953. 80 F941

53339 IDNANI, M. A. Utilization of some indigenous sources of manures. Indian Farming (n.s.)2(10):12-13. Jan.1953. 22 In283

53340 JEPSON, S. Farmers on Channel Island make fertilizer from seaweed; Father Neptune's compost. Farm Chem. 116(4):41-42,46. Apr.1953. 57.8 Am3

53341 KHERDEKAR, D. N. New sieve for screening town refuse compost manure. Indian Farming (n.s.)2(10): 14,31. Jan.1953. 22 In283

53342 KHERDEKAR, D. N. A new sieve for screening town-refuse compost manure. Madhya Pradesh. Agr. Dept. B. 39,2 p. 1952. 22 C3332

53343 KING, N. J. The value of molasses. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:120-121. Jan.1,1953. 65.9 Q3C
As fertilizer.

53344 MATKIN, O. A. Cymbidium composts—fact and fiction. Amer. Orchid Soc. B. 22:251-256. Apr.1953. 80 Am329

53345 MÜLLER, W. Landwirtschaftliche abwasserverwertung und abwasserbehandlung. Wasser u. Boden, Jan.1953:5-12. Ref. 56.8 W28
Includes discussion by G. Schonnopp.

53346 NAUWERK, W. Wie steht es um die güllewirtschaft in Südbaden? Bauern-Ztg. 6(11):8-9. Mar.20, 1953. 18 B324

53347 NIENABER, H. Nochmals: zur verwendung der jauche. Hannoversche Land- u. Forstwirt. Ztg. 106:327, 331. Mar.14,1953. 18 H194

53348 OLBERTZ, M. H. Zur Berliner abwasserverwertung. Deut. Landwirt. 4:48-50. Jan.1953. 18 D4822
As fertilizer.

53349 PAGADOR, F. R. A preliminary study on the decomposition of mungo, filter cake, molasses, and cane trash. Soil Sci. Soc. Philippines. J. 4:237-241. Fourth Q.1952. 56.9 So35

53350 RODALE, J. I. Are we using too much compost? Org. Farmer 4(8):32,44. (Cont.) Mar.1953. 57.8 Or3

53351 SAINT-QUENTIN, M. Une exploitation maraichére sur les champs d'épandage. Rustica 26:307-308. Mar.29,1953. 14 R92

53352 SALAZAR, E. Use su cabeza primero, y los abonos químicos despúes. Agr. Costarricense 11:53-55. Feb.1953. 8 Ag895
Organic fertilizers.

53353 WAKELEY BROS. & CO., LTD. 50 fruitful years, 1903-1953. London,1953. 14 p. 57.4 W13
Fertilizer from hop waste.

FORESTRY

GENERAL

53354 ARASTO, H. Forestry propaganda for better efficiency. (In Finnish.) Teho 2/3:69-71. 1953. 20 T98
English summary, p. 118.

53355 ASSOCIATION FORESTIERE QUEBECOISE. XIVe rapport annuel, 1952. Quebec,1953. 46 p. 99.9 As74R
English summary.

53356 BROWN, C. H. Tree growing and forestry in Morocco. World Crops 5:141-142. Apr.1953. 281.8 W892

53357 BUKSHTYNOV, A. D. USA and England on the road to complete destruction of their forests. (In Russian.) Lesn. Khoz. 6:17-19. Jan.1953. 99.8 L5622

53358 BUNDESANSTALT FUR FORST- UND HOLZWIRTSCHAFT. Bibliographie des ausländischen forst- und holzwirtschaftlichen schrifttums, folge 4, enthält titel des jahres 1951. Bundesanst. f. Forst- u. Holzwirt. Mitt. 27,212 p. Apr.1952. 99.9 R273

53359 CHUGUNOV, I. E., and VELIKANOV, L. P. The oldest forestry enterprise in the steppe on the Don. (In Russian.) Les i Step' 4(11):81-83. Nov.1952. 99.8 L565

53360 DAY, J. W. Buried forests of the fens. Country Life [London] 113:984-985. Apr.2,1953. 80 C83
Embedded in peat.

53361 DETTBARN, J. Wie sind die aussichten für deutsche forstleute in Kanada? Deut. Forstmann, p.17-18. In Forst u. Holz 8(5). Mar.1,1953. 99.8 F7724

53362 DIETERICH, V. Schicksalsfragen des waldes und forstwesens. Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21:41-54. 1952. 410.9 W96

53363 DIKER, M. Die geschichtliche entwicklung der türkischen forstwirtschaft. Z. f. Weltforstwirt. 16:15-21. Feb.1953. 99.8 Z35
English summary.

53364 DRIUCHENKO, M. M. I. IA. Danilevskii and Antip Legkostup - originators of forest developments on the sands of the Ukraine. (In Russian.) Les i Step' 5:78-79. Jan.1953. 99.8 L565

53365 GORDON, W. A. Forestry in the Middle East. Oxford U. Forest Soc. J. (ser.4)1:19-21. 1953. 99.9 Ox9

53366 GORSHENIN, N. M. Importance of forests of the Soviet Carpathians and their environs to political economy. (In Russian.) Lesn. Khoz. 6:44-46. Jan.1953. 99.8 L5622

53367 GUT, R. C. Un demi-siécle d'économie forestière. Forêt 6:117-120. Mar.1953. 99.8 F7683

53368 JAMES, N. D. G. A forestry letter. VII. What's in a name? Land Agents' Soc. J. 52:154-156. Apr.1953. 282.9 L22
Forestry terminology.

53369 KAMENZ, H. R. Aufgabengebiet und tätigkeit des revierleiters. Wald 3:67-68. Mar.1953. 99.8 W143

53370 KANTOLA, M. How could forest work be made easier and more efficient? (In Finnish.) Teho 2/3:65-68. 1953. 20 T98
English summary, p. 118.

53371 KENISTON, R. F. Economy of Douglas fir in the Pacific Northwest. Sci. Mon. 76:173-181. Mar.1953. 470 Sci23

53372 KESSELHUTH, H. Die lage der privatforstangestellten in Niedersachsen. Deut. Forstmann, p.9-10. In Forst u. Holz 8(3). Feb.1,1953. 99.8 F7724

53373 KNIGHT, E. D. Lawes of the kynges forestes. W. Va. Conserv. 17:4-10. Mar.1953. 279.8 W524
Great Britain.

53374 LATIN AMERICAN FORESTRY COMMISSION. Report of the fourth meeting, June 16-23, 1952, Buenos Aires. Buenos Aires,1952. 14 p. 99.9 L342

53375 MILIC, G. Le développement de la science du bois et les lignes d'orientation du travail à l'étranger. (In Serbo-Croatian.) Sumarstvo 5:400-403. Sept./Oct. 1952. 99.8 Su63
French summary.

53376 NOBILI, D. The foresters of Valtellina. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(12):2-5. Dec.1952. 287 So5

53377 OHEM, K. Erläuterungen von fachausdrücken der forst- und holzwirtschaft. Holzwirt. Jahrb. 1953:241-246. 99.83 H742

53378 ORGANISATION FOR EUROPEAN ECONOMIC COOPERATION. Timber: American forest operations and increase of European productivity. Paris,1952. 2 v. (Technical Assistance Mission No. 18)
99.12 Or32

53379 ORTISI, A. Un amico prezioso: il bosco [A precious friend, the forest]. Sci. e Lav. 7(9),72 p. Sept. 1952. 475 Sci27

53380 PETERSON, C. I. Tennessee's forestry outlook. Tenn. Conserv. 19(3):6-7. Mar.1953. 410 T252

53381 ROBINSON, B. The Society of Foresters of Great Britain. Forestry 25:82-84. 1952. 99.8 F767

53382 SCHONWIESE, H. Die geschichtliche entwicklung der einforstungsrechte in den österreischen alpenländern. Osterr. Vrtljahresschr. f. Forstw. 93:219-226. Ref. 1952. 99.8 Oe8

53383 SCHWERDTFEGER, F. Forst- und holzwirtschaftliche eindrücke aus Guatemala. Holz-Zentbl. 79:413-415. Mar.21,1953. 99.81 H742

53384 SKADSHEIM, A. Forestry in Bavaria. (In Norwegian.) Skogbrukeren 28:53-59. Mar.1,1953. 99.8 Sk54

53385 STEVEN, H. M. Forests and forestry in Scotland. II. (In Norwegian.) Tidsskr. f. Skogbruk 60:293-298. Dec.1952. 99.8 T432

53386 STEVEN, H. M. The progress of technical forestry in Britain 1926-51. Forestry 25:85-91. 1952. 99.8 F767

53387 TASCHENBUCH für forstwirtschaft. Berlin, Deutscher Bauernverlag,1953. 224 p. 99.83 T182

53388 TENNÅS, M. Employment conditions in connection with forest mechanization. (In Norwegian.) (Sum.) Skogbrukeren 28:76-77. Mar.15,1953. 99.8 Sk54

53389 TENNAS, M., and BRENDHAGEN, K. The forest labor supply in the spotlight. (In Norwegian.) Skog- og Landarb. 27:54-56. Apr.1953. 283.8 Sk5

53390 TOPEL, R. Wie kann die steigerung der arbeitsprodukitvität in der forstwirtschaft gemessen werden? Wald 3:78-79. Mar.1953. 99.8 W143

53391 U. S. FOREST SERV. A job with the Forest Service; information about permanent and temporary jobs with the U. S. Forest Service. Rev. Washington,1953. 12 p. 1.962 A2J572

53392 U. S. FOREST SERV. CALIFORNIA FOREST AND RANGE EXPERIMENT STATION. Staff publications, California Forest and Range Experiment Station, 1952, by D. H. Vinther. Berkeley,1953. 6 p. 1.9 F7626St

53393 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications July 1 to December 31, 1952. Madison,1953? 12 p. 1 F7692L

53394 WAHLER, R. Abschliessende bemerkungen zur einmannarbeit! Säemann 4:23. Mar.16,1953. 18 Sa4
In German forests.

Education

53395 BORROCK, W. Steigerung der lernergebnisse in den forstlichen berufsschulklassen. Wald 3:91-92. Mar.1953. 99.8 W143

53396 DALENE, H. We compete in Østfold. (In Norwegian.) Tidsskr. f. Skogbruk 60:300-303. Dec.1952. 99.8 T432
Forestry technique.

53397 DETERMINING progress and effectiveness of program. Unit 46:88-94. Jan.1953. 99.9 Un34
Panel discussion, with papers by H. M. Roller, Jr., and F. Heyward.
Southern Pulpwood Conservations Association aids owners in forest management.

53398 DIXON, M. Pioneer forest school serves the South. Forests & People 111:32-36. Jan.1953. 99.8 F7628
Louisiana University Forest School.

53399 HALL, W. B. Teach conservation with a forestry program. Camping Mag. 25(5):33-34. Apr.1953. 409.78 C152

53400 HEMPEL. Holzingenieure oder holztechniker? Bemühungen um das richtige zahlenverhältnis bei der ausbildung. Holz-Zentbl. 79:311-312. Mar.7,1953. 99.81 H742

53401 HESS, Q. F. Junior rangers' summer camps. Sylva 9:34-35. Jan./Feb.1953. 99.8 Sy5

53402 HOW DO you provide management service to landowners? Unit 46:18-28. Jan.1953. 99.9 Un34
Panel discussion,with papers by A. Herrington, E. A. Hall, and B. L. Allen.

53403 HOYLE, R. J. The training and work of a wood engineer. Wood Working Digest 55(4):77-79,82,84-85. Apr.1953. 99.82 W87

53404 KAUFERT, F. H. Necessity of schools providing trained men in lumber field. Miss. Val. Lumberman 84(34):8,10,30. Apr.10,1953. 99.81 M69

53405 LAFOND, A. La recherche forestiére a l'Université Laval. Forêt Conserv. 19(3):15,31. Mar. 1953. 99.8 F792

53406 LIVELY, C. E. Some social aspects of forest conservation. Pa. Forests 38:12-14. Jan./Mar.1953. 99.8 F763

53407 MCMINN, E. F. Ag leaders cooperate to demonstrate forestry to kids. Better Farming Methods 25(4):52-53. Apr.1953. 58.8 B46

53408 MARCKWORTH, G. D. Statistics from schools of forestry for 1952: degrees granted and enrollments. J. Forestry 51:256-259. Apr.1953. 99.8 F768

53409 PORTER, E. What the Southern pulp and paper industry is doing about its future supply of pulpwood from noncompany owned lands. South. Pulp & Paper Mfr. 16(3): 46,48,50,52,54-57,111. Mar.10,1953. 302.8 So8
Symposium: Educational activities, by D. M. Jennings; Informational projects, by R. A. Davis; Diorama exhibit, by J. D. Nicholson.
Includes discussion.

53410 PUOSKARI, O. News from the forestrycourses. (In Finnish.) Teho 2/3:103-105. 1953. 20 T98
English summary, p. 118.

53411 SHITOV, I. N. Institute helps production. (In Russian.) Les i Step' 5:68-69. Jan.1953. 99.8 L565
Forestry study and teaching.

53412 WILDE, S. A. Forest soils: perspective and prospects. J. Forestry 51:252-255. Apr.1953. 99.8 F768
In the graduate and undergraduate curriculum, with comments by S. P. Gessel and T. S. Coile.

53413 ZHUK, F. S. House of forestry propaganda at the Belotserkov forest farm. (In Russian.) Les i Step' 4(12):62-63. Dec.1952. 99.8 L565
Public relations.

Policies, Programs, Administration

53414 AMERICAN FOREST PRODUCTS INDUSTRIES, Annual report for 1952. Washington,1952. 16 p. 99.9 Am32R

53415 AUSTRALIA. FORESTRY AND TIMBER BUR. Annual report for the year ended 31st December, 1951. Canberra,1952. 32 p. 99.9 Au723A

53416 BERG, E. Government aid to silviculture. (In Norwegian.) Skogbrukeren 28:68,70. Mar.1,1953. 99.8 Sk54

53417 BOROVOI, V. A. Transformation of nature in the Polish People's Republic. (In Russian.) Les i Step' 4(11):92-93. Nov.1952. 99.8 L565
Chiefly on forestry.

53418 BØRSET, O., HAUGBERG, M., and KIERULF, T. Forestry and reforestation in Scotland. (In Norwegian) Tidsskr. f. Skogbruk 61:73-112. Mar.1953. 99.8 T432

53419 BOURUET-AUBERTOT, J. Le projet de création d'un fonds forestier d'outre-mer. Marchés Colon. du Monde 9:947-948. Mar.28,1953. 286.8 M33

53420 BUTHAUD, E. Les droits d'usage en pays forestier tunisien. B. Econ. et Social de la Tunisie 74: 98-110. (Cont.) Mar.1953. 280.8 B874

53421 CARDEW, J. Aufforstungsprojekte in China. Wirtschaftsdienst 33:109-111. Feb.1953. 280.8 W74

53422 CARHART, A. H. They still covet our lands. Amer. Forests 59(4):11-12,34,36. Apr.1953. 99.8 F762
Chiefly national forests.

53423 DEHRA, INDIA. FOREST RESEARCH INSTITUTE. Forest research in India, 1947-48. II. Reports for Burma and Indian Provinces. Delhi,1952. 75 p. 99.9 In23

53424 DESCHAMPS, R. Le reboisement problème national. Forêt Conserv. 19(3):10-12. Mar.1953. 99.8 F792
Canada.

53425 EBNER, A. Menschliche fragen als begrenzung der weltforstwirtschaft. Z. f. Weltforstwirt. 16:1-15. Feb.1953. 99.8 Z35
English summary.

53426 EGAN, J. A. Administrative management at the grass roots. J. Forestry 51:260-266. Apr.1953. 99.8 F768
The U. S. Forest Service ranger district.

53427 FIJI. DEPT. OF FORESTRY. Annual report for 1951. Suva,1953. 15 p. 99.9 F47

53428 GIBBS, R. What became of the shelter belt? Across the prairie States you can see the answer—300,000,000 trees planted in the last 17 years. Pop. Mech. Mag. 99(5):102-106,238,240,242. May 1953. 291.8 P81

53429 GRANGER, C. M., and BODINE, L. V. Comments on AFA's forest survey resolution. Amer. Forests 59(4):4,46-47. Apr.1953. 99.8 F762

53430 HARRISON, F. A. Industry encouragement to woodlot management. Forestry Chron 29:14-19. Mar. 1953. 99.8 F7623

53431 HEUELL. Sollen wir noch roden? Forst u. Holz 8:74-76. Mar.16,1953. 99.8 F7724

53432 HVOSLEF, O. Reforestation in Troms. (In Norwegian.) Tidsskr. f. Skogbruk 61:31-47. Feb.1953. 99.8 T432

53433 LEVISON, J. J. My observations of Israel's conservation program. J. Forestry 51:266-268. Apr. 1953. 99.8 F768

53434 LØCHEN, R. Administration of the State forests. (In Norwegian.) Tidsskr. f. Skogbruk 61:10-14. Jan.1953. 99.8 T432

53435 LOUVEL. Note au sujet de l'utilisation des Eucalyptus à Madagascar. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:68-69. Jan./Feb.1953. 26 R323
Reforestation policy.

53436 MCARDLE, R. E. Multiple use—multiple benefits. Washington,U. S. Forest Serv.,1953. 8 p. 1.962 A2M12
Presented at North American Wildlife Conference, Washington, D. C., Mar. 10, 1953.
Management of national forests.

53437 MANITOBA. DEPT. OF MINES AND NATURAL RESOURCES. Annual report for period ending March 31st, 1952. Manitoba,1952. 112 p. 253.2 M31
Includes work of the Forestry Branch.

53438 MARTINEZ DE PISON, M. El "orden" en la "ordenacion." Montes 8(49):31-33. Jan./Feb.1953. 99.8 M763
Forests and mountain administration in Spain.

53439 MAZEK-FIALLA, K. Die förderung der ödlandaufforstung, eine forstpolitische massnahme. Allg. Forstztg. 64:88-90. Apr.1953. 99.8 AL53

53440 MEYER, W. H. A tree springs from a seed. Pa. Forests 38:8. Jan./Mar.1953. 99.8 F763
Vermont Forest and Farmland Foundation.

53441 MOMBERG, H. J. Der walderneuerungsplan 1953. Wald 3:79-80. Mar.1953. 99.8 W143

53442 NEW ENGLAND FORESTRY FOUNDATION. Report of the secretary for the year 1952. Boston,1952. 4 p. 99.9 N442R

53443 NOSKOV, I. P., and MOLCHANOV, V. F. Fuller use of forest resources in northern regions. (In Russian.) Lesn. Khoz. 6:19-22. Jan.1953. 99.8 L5622

53444 O'NEAL, J. Two blades of grass where thousands grew before. West. Livestock J. 31(16):61,89, 91-93,95,97,99-100,102-104. Mar.1,1953. 6 F2278
Management of forests in Madera County, California, by the U. S. Forest Service.

53445 OREGON STATE BOARD OF FORESTRY. Forestry in Oregon. Biennial report for the period of July 1, 1950, to June 30, 1952. Salem,1952. 79 p. 99.9 Or32A

53446 OSTERREICHISCHES PRODUKTIVITATS-ZENTRUM. Osterreichisches produktivitäts-programm für die forstwirtschaft. Allg. Forstztg. 64:69-71. Mar. 1953. 99.8 AL53

53447 SAATÇIOĞLU, F. A general view on the importance and problems of afforestation in Turkey. (In Turkish.) Istanbul. U. Orman Fakül. Dergisi (ser.A) 2:60-82. 1952. 99.9 Is72
English summary.

53448 SARAWAK. FOREST DEPT. Annual report for the year, 1951. Kuching,1953. 32 p. 99.9 Sa72

53449 SASKATCHEWAN. DEPT. OF NATURAL RESOURCES. Annual report for the fiscal year ended March 31, 1952. Regina,1952. 168 p. 279.9 Sa7
Includes report of the Forestry Branch.

53450 SMITH, K. State park programs and the redwood industry. (Condensed.) Calif. Lumber Merchant 31(18):4,60,62,64,66. Mar.15,1953. 99.81 C12

53451 SOLDANO, O. R. La forestación racional del pais reportará beneficios economicos de incalculable valor. Mundo Agr. 5(45):36-37. Feb.1953. 9 M92
Argentina.

53452 SOUTH CAROLINA. STATE COMMISSION OF FORESTRY. Report for the year July 1, 1951 to June 30, 1952. Columbia,1952. 134 p. 99.9 So83

53453 SPEER, J. Forstwirtschaftliche produktionssteigerung der schwerpunkt des arbeitsprogramms des DFWR. Allg. Forstz. 8:173-176. Apr.1,1953. 99.8 AL52
Deutsche Forstwirtschaftsrat.

53454 TEPSTAD, J. Administration of the National forests. (In Norwegian.) Skogbrukeren 28:66-67. Mar.1, 1953. 99.8 Sk54

53455 TILLY, J. H. DU. Le Fonds Forestier National depuis sa création. Acad. d'Agr. de France. Compt. Rend. 39:36-39. Jan.7,1953. 14 P215Bc

53456 TOSEL, P. Afforestation in La Roussa region. (In Italian.) Monti e Boschi 4:16-18. Jan.1953. 16 M76
Program.

53457 U. S. FOREST SERV. INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Annual report, 1952. Ogden,Utah,1953? 66 p. 1.9622 I2An7

53458 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Annual report, 1952. Portland,Oreg.,1953. 57 p. 1.9622 P2An7

53459 U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. Annual report, 1952. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 22, 42 p. 1953? 1.9622 S4St2

53460 VASIL'EV, P. V. Questions of forestry development in the USSR in connection with the economic laws of socialism. (In Russian.) Lesn. Khoz. 6:6-16. Jan. 1953. 99.8 L5622
Conditions under capitalism.

53461 VAUGHAN, B. Tree farms. (In Portuguese.) Chacaras e Quintais 87:185-186. Feb.15,1953. 9.2 C34
Reforestation policy for Brazil.

53462 WEST BENGAL. AGRICULTURE, FORESTS AND FISHERIES DEPT. Annual progress report on forest administration in West Bengal for the year 1947-48. Calcutta,1952. 119 p. 99.9 In2Be

53463 WESTERN AUSTRALIA. FORESTS DEPT. Report for the year ended 30th June, 1952. Perth,1952. 23 p. 99.9 W52A

53464 WISCONSIN. CONSERVATION COMMISSION. Twenty-third biennial report. Madison,1952. 132 p. 279.9 W75
Includes forest policy.

53465 ZONN, S. V., and VEKSHEGONOV, V. IA. Proper clarification of questions concerning afforestation of steppes. (In Russian.) Les i Step' 4(12):24-29. Dec. 1952. 99.8 L565
Windbreaks.

Legislation and Taxation

53466 AKSELSEN, O. The new taxation regulations in forestry. (In Norwegian.) Skogeieren 40:47-54. Feb. 15,1953. 99.81 Sk5

53467 ARMBRUSTMACHER. Zur einkommensteuerlichen behandlung der forstwirtschaft und des bauernwaldes. Landwirt. Z. der Nord-Rheinprov. 120:258-259. Feb.28,1953. 18 L2344

53468 BEALL, H. W. The Federal-Provincial Forestry Agreements. Forestry Chron. 29:20-30. Mar.1953. 99.8 F7623

53469 BERGWITZ. Gedanken zu einzelnen punkten der denkschrift der fachgruppe forstbeamte und -angestellte in der Gewerkschaft GLF, Landesbezirk Niedersachsen. Forstl. Mitt. 6:38-39,49-51. Feb.20-Mar.5, 1953. 99.8 F7725
Legislation and administration.

53470 HEDEMANN-GADE, E. Forest taxation. (In Swedish.) Skogsägaren 29:3-9. Jan.1953. 99.8 Sk55

53471 KLOTZ. Die forstrechte in Bayern. Forstl. Mitt. 6:13-15. Jan.20,1953. 99.8 F7725

53472 LAMB, K. M. Legal safeguards to forest administration by native authorities in eastern Nigeria. Oxford U. Forest Soc. J. (ser.4)1:8-12. 1953. 99.9 Ox2

53473 MANTEL, K. Rechts- und forstpolitische fragen. Allg. Forstz. 8:177-178. Apr.1,1953. 99.8 AL52

53474 SOUSA, J. S. I. DE. Woods in the law. (In Portuguese.) Chacaras e Quintais 87:77-78. Jan.15, 1953. 9.2 C34

Forest Description and Resources

53475 BERTSCH, K. Die waldentwicklung in der ältesten nacheiszeit Oberschwabens. Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107:137-145. 1951,pub. 1952. 509 W96

53476 BIRIUKOVA, N. M. State [forest] belt of Belgorod-Don. (In Russian.) Les i Step' 4(12):67-73. Dec.1952. 99.8 L565

53477 COLLINS, A. E. Forest resources of northern British Columbia (a preliminary reconnaissance). Empire Forestry Rev. 32:21-27. Mar.1953. 99.8 Em72

53478 COLLINS, E. H., and SMITH, E. C. A study of the Boreal Forest Formation in Nova Scotia. (Abs.) Nova Scotian Inst. Sci. Proc. 23:112. 1950/51,pub.Mar. 1953. 517 H13

53479 EVANS, F. Welsh remnant of primeval forest. Trees 16:119-120. Winter 1952/53. 99.8 T714

53480 HESKE, F. Holzindustrielle möglichkeiten zur entlastung des waldes in der Turkei. Istanbul. U. Orman Fakül. Dergisi (ser.A)2:32-59. Ref. 1952. 99.9 Is72

53481 KIERULF, T. The world's most northerly pine forest. (In Norwegian.) Tidsskr. f. Skogbruk 61:24-26. Jan.1953. 99.8 T432

53482 LECHESNE, F. Les bois du Gabon et leur avenir. Bois et Scieries 59:338. Mar.19,1953. 99.81 B632

53483 MORAVETS, F. L. Forest statistics for Skamania County, Washington. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Forest Survey Rpt. 107,23 p. Jan.1953. 1.9622 P2F76

53484 NEW ZEALAND FOREST SERV. Waipoua Kauri Forest. New Zeal. Forest Serv. Inform. Ser. 14, 12 p. 1953. 99.9 N491

53485 TOULGOUAT, P. La photographie en forêt; conseils à l'usage du photographe en forêt. Rev. du Bois 8(2):17-22. Feb.1953. 99.82 R32

53486 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Special report series, No.19. Timber and wattle plantations (municipalities and other local authorities). Pretoria,1952. 25 p. 270 So87L

53487 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Special report series, No. 20. Timber and wattle plantations (native reserves). Pretoria,1952. 30 p. 270 So87L

53488 U. S. FOREST SERV. SOUTHWESTERN REGION. National forest facts, Arizona and New Mexico, 1953-54. Albuquerque,1953? 39 p. 1.9621 R3St2
Resources and management.

53489 WECK, J. Wald- und holzreserven der erde. Umschau 52:559-561. Sept.15,1952. 474 Um7

Individual Genera and Species

53490 ADAMIANTS, G. I. Pyramidal oak. (In Russian.) Les i Step' 4(12):76-77. Dec.1952. 99.8 L565

53491 ADRIANOV, S. N. Oak in the Salsk steppe. (In Russian.) Les i Step' 4(12):19-23. Dec.1952. 99.8 L565

53492 AUBREVILLE, A. Une visite aux plantations de limbo [Terminalia superba] du Moyen-Congo. Bois et Forêts des Trop. 27:3-8. Jan./Feb.1953. 99.8 B632
English summary.

53493 BACHMANN, E. Norway pine [Pinus resinosa]—our 'State tree.' Conserv. Volunteer 16(91):16-17. Jan./Feb.1953. 279.8 C765

53494 BAILEY, N. Know your wood: redwood. Wood Working Digest 55(4):155-156,158,160. Apr.1953. 99.82 W87

53495 BENDA, P. Sylviculture papetière aux Etats-Unis. Forêts de France et Action Forest. 44:12-14. Jan./Feb.1953. 99.9 F315

53496 BØRSET, O. American poplar varieties and their importance for Europe. (In Norwegian.) Norsk Skogindus. 7:75-81,83-89. Mar.1953. 99.82 N81
English summary.

53497 BROWN, J. M. B. Studies on British beechwoods. Gt. Brit. Forestry Comn. B. 20,100 p. Ref. 1953. 99.9 G795

53498 DAYTON, W. A. Geography of commercially important United States trees. J. Forestry 51:276-279. Apr.1953. 99.8 F768

53499 FROMAGER [Ceiba pentandra]. Bois et Forêts des Trop. 27:23-26. Jan./Feb.1953. 99.8 B632

53500 GERRY, E. Pyingado (Pyinkado) Xylia dolabriformis Benth. (=Mimosa xylocarpa Taub.) family: Leguminosae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1938,6 p. Ref. 1952. 1.9 F761R

53501 GUDEX, M. C. The kauri [Agathis australis] in the Waikato. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:42. 1951,pub.1952. 90.09 R81R

53502 GUINIER, P. Le noyer. Rev. du Bois 8(2):24-25. Feb.1953. 99.82 R32

53503 GUINIER, P. Le noyer. Rev. du Bois 8(3):3-11. Mar.1953. 99.82 R32

53504 GUINIER, P. Le noyer, producteur de bois. Rev. Forest. Franç. 3:157-177. Ref. Mar.1953. 99.8 R329

53505 HAUSENDORFF, E. Die schirmkiefer bei Mölln; eine ungewöhnliche störung der höhenwuchstendenz und des verzweigungssystems von Pinus silvestris L. Deut. Dendrol. Gesell. Mitt. 57:81-105. Ref. 1951/52. 99.9 D482
English summary.

53506 INAL, S. Die valoneneiche [Quercus macrolepis] in der Türkei und Griechenland und ihre ökonomische bedeutung. Istanbul. U. Orman Fakül. Dergisi (ser. A) 2:116-125. 1952. 99.9 Is72

53507 IVANOV, V. V. European alder [Alnus glutinosa]. (In Russian.) Priroda 42(2):111-112. Feb.1953. 410 P933

53508 KERR, E. Long live King Cypress! Forests & People 111:11-15,46,48-49. Jan.1953. 99.8 F7628
Taxodium.

53509 KING, J. Telling trees. New York,Sloane, 1953. 127 p. 99.3 K58

53510 KRAHL-URBAN. Ein wichtiges problem der deutschen buchenwirtschaft. Holz-Zentbl. 79:443-446. Mar.28,1953. 99.81 H742

53511 MEYER, H. Betula ermani Cham. und Betula maximovicziana Regel, zwei bemerkenswerte asiatische birkenarten. Deut. Dendrol. Gesell. Mitt. 57:106-107. 1951/52. 99.9 D482

53512 MULLINS, D. Willows—a valuable genus. World Crops 5:143-145. Apr.1953. 281.8 W892

53513 NITZELIUS, T. Eine dendrologische sammelreise im nördlichsten Japan. Deut. Baumsch. 5:93-96. Apr.1,1953. 80 D486

53514 OKSBJERG, E. On Picea omorika. (In Danish.) Dansk Skovfor. Tidsskr. 38:179-192. Feb.1953. 99.8 D23

53515 OLLINMAA, P. J. Jalot lehtipuumme luontaisina ja viljeltyinä. Some of the southern broad-leaved trees in Finland, naturally grown and cultivated. Silva Fennica 77,73 p. Ref. 1952. 99.9 F497
English summary.

53516 PILIPENKO, F. S. Mexican cypress [Cupressus lusitanica] on the Black Sea coast of the Caucasus and its variability. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:29-39. 1952. 451 M854

53517 RECKE, S., GRAF VON DER. Zur I. Inventur ausländischer holzarten durch die Deutsch Dendrologische Gesellschaft. Deut. Dendrol. Gesell. Mitt. 57: 20-21. 1951/52. 99.9 D482

53518 REICHENSTEIN. Nordamerikanische hölzer: namen, handelsbezeichnungen. Norddeut. Holzwirt 7(25): 3. (Concl.) Ref. Feb.26,1953. 99.82 N75

53519 RIEBEN, E. Le pin de montagne et ses stations naturelles dans le Jura romand. Forêt 6:103-106. Mar.1953. 99.8 F7683

53520 RUPF, H. Die flaumeichenwälder der Gemeinde Dettingen (Erms). Württemb. Landesstelle f. Natschutz. u. Landschaftspflege. Veröffentl. 21:55-67. 1952. 410.9 W96
Quercus pubescens.

53521 SANTOS BILONI, J. Por la calidad de su madera, el "guayaibi" [Patagonula americana] puede competir con la del exotico fresno. Mundo Agr. 5(45):54-55. Feb.1953. 9 M92

53522 SCHENCK, C. A. Ergebnisse der I. Inventur ausländicher holzarten. Deut. Dendrol. Gesell. Mitt. 57:21-66. 1951/52. 99.9 D482

53523 SCHMITZ-LENDERS, B. Pappelprobleme. Forst u. Holz 8:29-32. (Cont.) Feb.1,1953. 99.8 F7724

53524 SCHREIBER, M. Stieleichenherkunftsversuch im forstwirtschaftsbezirk Neuwaldegg der Osterreichischen Bundesforste. Osterr. Vrtljahresschr. f. Forstw. 93:235-239. 1952. 99.8 Oe8
Quercus petraea.

53525 SCHROTTER, FREIHERR VON. Uber vorkommen und anbau, herkunft und rassen der japanischen lärchenbestände in Schleswig-Holstein. Forst u. Holz. 8: 57-60. (Cont.) Mar.1,1953. 99.8 F7724

53526 SCHRÖTTER, FREIHERR VON. Über vorkommen und anbau, herkunft und rassen der japanischen lärchenbestände in Schleswig-Holstein. Forst u. Holz 8: 76-79. (Cont.) Mar.16,1953. 99.8 F7724

53527 SINGH, D. P. Cultivation of bat willows in Kulu. Indian Forester 79:115-120. Feb.1953. 99.8 In2

53528 SMITH, N. F. American elm. Timber Prod. B. 120:10-11. Mar.1953. 99.9 T482B

53529 SOUSA, J. S. I. DE. Bamboo—for shade, beauty and profit. (In Portuguese.) Chacaras e Quintais 87:79-80. Jan.15,1953. 9.2 C34

53530 TILLY, J. H. DU. Les noyers. Forêts de France et Action Forest. 44:4-5. Jan./Feb.1953. 99.9 F315

53531 VEREY, J., and BIGGS, C. Exotic plantations on the Moutere soils. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:233. 1951,pub.1952. 90.09 R81R
Trees.

53532 VINOGRADOV, V. N. Nut trees on right-hand bank [of Dniester?] in the Ukraine. (In Russian.) Les i Step' 5:58-62. Jan.1953. 99.8 L565
In windbreaks.

53533 WIROATMODJO, R. S. Wood species for industry in East-Java. (In Indonesian.) Rimba Indonesia 1:197-214. Dec.1952. 99.8 R46
English summary.

FOREST MANAGEMENT AND FINANCE

53534 BARRAMEDA, D. M. Cost determination and data flow in reforestation projects [Philippines]. Agr. & Indus. Life 15(2):6-7,54-55. Feb.1953. 25 Ag8

53535 BENTLEY, A. W. Forest practice on privately owned and privately operated public lands in Canada. Forestry Chron. 29:55-63. Mar.1953. 99.8 F7623

53536 COTTERELL, SIR R. Private estate forestry. Oxford U. Forest Soc. J. (ser.4)1:28-30. 1953. 99.9 Ox2

53537 COWEN, W. F. Forestry operations on the Scituate Reservoir watershed. New Eng. Water Works Assoc. J. 67:1-8. Mar.1953. 292.9 N44
Management.

53538 ELSASSER, A. Die "planierraupe," ein unentbehrlicher helfer der forstwirtschaft. Allg. Forstztg. 64:54-55. Mar.1953. 99.8 AL53
Chiefly road building.

53539 FRYJORDET, T. Om lønnsomheten av a dyrke gran pa Vestlandet. Financial aspects of establishing spruce plantations in Western Norway. Norway. Vestlandets Forstl. Forsokssta. Meddel. 30:254-315. Ref. Apr.1952. 99.9 N832
English summary.

53540 GLØERSEN, F. Management of oak forests. (In Norwegian.) Skogbrukeren 28:37-41. Feb.15,1953. 99.8 Sk54

53541 GLØERSEN, F. The role of hardwood trees in the spruce forest. (In Norwegian.) Tidsskr. f. Skogbruk 61:47-51. Feb.1953. 99.8 T432
Economic aspects.

53542 GONET, B. The felling series in poplar forests for cellulose wood production. (In Polish.) Sylwan 96: 387-433. 1952. 99.8 Sy52
English summary.

53543 GOODMAN LUMBER CO., GOODMAN, WIS. The Goodman forest. Goodman,Wis.,1952. 27 p. 99.9 G62
Management.

53544 GRAPP, L. O. Procedures for analyzing small woodlands. J. Forestry 51:269-274. Apr.1953. 99.8 F768

53545 GROSS, H. Die frage der waldgemeinschaften. Deut. Landwirt. 4:97-100. Feb.1953. 18 D4822
Management aspects in the Russian Zone.

53546 HERBIGNAT, A. Une première journée de la mecanisation des travaux forestiers. Soc. Roy. Forest. de Belg. B. 60:81-103. Feb.1953. 99.9 B83

53547 KURTZ, G. Der Zankwald, ein beitrag zur geschichte des privatwaldes. Allg. Forst- u. Jagdztg. 124:107-108. Feb.25,1953. 99.8 AL3

53548 KUZNETSOV, A. A. Efficient utilization of wood derived from improvement cuttings. (In Russian.) Lesn. Khoz. 6:64. Jan.1953. 99.8 L5622

53549 LANDWIRTSCHAFTSKAMMER FUR KARNTEN. FORSTABTEILUNG. Forstaufschliessung in Kärnten. Allg. Forstztg. 64:65-67. Mar.1953. 99.8 AL53

53550 LANGE, O. L. Instruction in forestry accounting. (In Norwegian.) Skogbrukeren 28:49-50. Feb. 15,1953. 99.8 Sk54

53551 LØCHEN, R. Rough reappraisal of even-aged spruce stand. (In Norwegian.) Tidsskr. f. Skogbruk 61:4-7. Jan.1953. 99.8 T432

53552 LOSITSKII, K. B. Recovery of assortments from pine plantations according to forest type. (In Russian.) Lesn. Khoz. 6:55-57. Jan.1953. 99.8 L5622

53553 MEIDELL, A. Reforestation at Vestlandet—and Borregaard. (In Norwegian.) (Excerpts.) Skogen [Oslo] 18:15-19. 1953. 99.8 Sk56
Chiefly on financing.

53554 MEYER, W. H. The periodic inventory in forest management, a specific example. J. Forestry 51: 283-286. Apr.1953. 99.8 F768

53555 MOHRING, K. Zur frage: was erwartet die praxis von der forsteinrichtung? Forst u. Holz. 8:49-50. Feb.16,1953. 99.8 F7724

53556 MOISEENKO, F. P. Sorting tables for oak of lowland forests in the USSR. (In Russian.) Lesn. Khoz. 6:40-43. Jan.1953. 99.8 L5622

53557 MÜLLER, H. Vorrat, zuwachs und nutzung im walde. Grüne 81:345-349. (Cont.) Mar.27,1953. 17 Sch9
Switzerland.

53558 NIXON, W. A. Working plans and foresters. Q. J. Forestry 47:125-126. Apr.1953. 99.8 Q2

53559 OLAND, S. Cooperative management of the Heldola forests. (In Norwegian.) Skogeieren 40:41. Feb. 15,1953. 99.81 Sk5

53560 ORCHARD, C. D. Sustained yield forest management in British Columbia. Forestry Chron. 29: 45-54. Mar.1953. 99.8 F7623

53561 OTA, K. Enterpreneur of private forestry in Tama area, Tokyo Prefecture. 1. (In Japanese.) Nōgyō Sōgō Kenkyū 7:157-216. Jan.1953. 22.5 N687

53562 PETERS, J. A. Problems in operating a school forest. Agr. Educ. Mag. 25:239. Apr.1953. 275.8 Ag8

53563 PIPAN, R. About the control-method in the management of the all-aged forests. (In Serbo-Croatian.) Sumarski List 77:57-66. Feb.1953. 99.8 Su6
German summary.

53564 POGACNIK, E. Economics in sustained yield forest management. Pulp & Paper Mag. Canada 54(4): 126-128,131. Mar.1953. 302.8 P96

53565 PROKOPLJEVIĆ, N. La rente différentielle dans l'économie forestière. (In Serbo-Croatian.) Sumarstvo 5:364-372. Sept./Oct.1952. 99.8 Su63
French summary.

53566 PUTKISTO, K. A forest car-road or a motor winter road? (In Finnish.) Teho 2/3:61-64. 1953. 20 T98
English summary, p. 118.

53567 REGENSTEIN, E. Die Rühner laubholzwirtschaft. Wald 3:88-91. (Cont.) Mar.1953. 99.8 W143

53568 SCHIEBEL. Ein offenes wort über die form der verzeitigen kampbuchführung im Regierungsbezirk Kassel. Forstl. Mitt. 6:51-52. Mar.5,1953. 99.8 F7725

53569 SOLBRAA, T. Price level in forest evaluation. (In Norwegian.) Tidsskr. f. Skogbruk 61:56-65. Feb.1953. 99.8 T432

53570 SPURR, S. H. Aerial photographs in forest management. Photogrammetria 9:33-41. Ref. 1952/53. 325.28 P562

53571 VESTERINEN, E. Mechanizing of forest work. Finnish Trade Rev. 68:64. Apr.1952. 286.8 F495

53572 WEISSWASSER, H. Erfahrungen aus der arbeit im Staatlichen forstwirtschaftsbetrieb Weisswasser (beispielskombinat). Wald 3:69-70. Mar.1953. 99.8 W143

53573 WOHLFARTH. Erzeugung von faser- und grubenholz oder von stärkerem stammholz? Holz-Zentbl. 79:329. Mar.10,1953. 99.81 J742

53574 YOUNG, H. E., and WING, L. A. Use of air photos for location of truck roads and road building materials in Maine. Maine. U. Forestry Dept. Tech. Notes 20, 2 p. Mar.1953. 99.9 M284

Farm Woodlands

53575 AY. Vorratspflege und waldgemeinschaften im bauernwald. Wald 3:83-86. Mar.1953. 99.8 W143

53576 BUSH, R. Trees and hedges to use as shelter belts. Grower [London] 39:727-729. Apr.11,1953. 286.83 M34
Great Britain.

53577 DUNCAN, D. Let 'er snow and blow. Capper's Farmer 64(4):36,83-85. Apr.1953. 6 M693
Planting a windbreak.

53578 EVANS, J. D. D. Shelterbelts for hill farms. Q. J. Forestry 47:101-106. Apr.1953. 99.8 Q2

53579 GROSSMANN, A. Der dienst im bauernwald. Allg. Forstztg. 64:90-92. Apr.1953. 99.8 AL53

53580 HEGER, A. Die vorratspflegliche bewirtschaftung des bauernwaldes. Deut. Landwirt. 4:46-48. Jan. 1953. 18 D4822
Russian Zone.

53581 LUDVIGSEN, F. P. The condition of our farm forests. (In Norwegian.) Tidsskr. f. Skogbruk 61:112-113. Mar.1953. 99.8 T432

53582 LUDVIGSEN, F. P. Labor requirements in our farm forests. (In Norwegian.) Tidsskr. f. Skogbruk 60: 279-288. Dec.1952. 99.8 T432

53583 NELSON, A. L. Trees pay off on farms. Conserv. Volunteer 16(91):34-36. Jan./Feb.1953. 279.8 C765
Minnesota.

53584 OLSEN, F. Shelterbelts and hedges. (In Danish.) Dansk Landbr. 72:154-156. (Cont.) Mar.26, 1953. 280.28 V91

53585 OLSEN, F. Shelterbelts and hedges. II. (In Danish.) Dansk Landbr. 72:167-169. Apr.2,1953. 280.28 V91

53586 PETERSON, C. I. Trees, a real source of income. Tenn. Conserv. 19(4):24-25. Apr.1953. 410 T252
Farm woodlands.

53587 PRIIMAK, K. K. Forest belts on the Molotov kolkhoz. (In Russian.) Les i Step' 4(12):53-55. Dec. 1952. 99.8 L565

53588 STRAND, L. Interpretation of results of the appraisal of farm woodlands. (In Norwegian.) Tidsskr. f. Skogbruk 60:298-299. Dec.1952. 99.8 T432

53589 U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. Managing southern Piedmont farm woodlands pays dividends, by T. A. McClay. Asheville,1952. 7 p. 1.9622 R8M31

53590 WALL, R. T., and TRUEBIG, R. J. Managing the farm woodlot. Otsego Forest Co-op. 9(10):1,5. Oct./Dec.1952. 99.8 Of7

Mensuration, Surveying, Photogrammetry

53591 ALDHOUS, J. R. Observations on normal growing stock calculations. Oxford U. Forest Soc. J. (ser.4) 1:36-39. 1953. 99.9 Ox2

53592 BALTAXE, R. The Austrian forest census in the Tyrol. Oxford U. Forest Soc. J. (ser.4)1:44-47. 1953. 99.9 Ox2

53593 BITTERLICH, W. Der tarifmesswinkel. Allg. Forstztg. 64:100-102. Apr.1953. 99.8 AL53

53594 BONNEMANN, A. Möglichkeiten einer einheitlichen forstlichen masseinheit: vorratsfestmeter; erntefestmeter;festmeter ohne rinde; schichtfestmeter. Holz-Zentbl. 79:466. Mar.31,1953. 99.81 H742

53595 CLARKE, W. B. M. The forest resources inventory of Ontario 1946-1952. Forestry Chron. 29:31-39. Mar.1953. 99.8 F7623

53596 DEMBICKI, H. A recommended regeneration survey system. Brit. Columbia. U. Facul. Forestry. Res. Notes 7,9 p. Ref. Jan.1953. 99.8 R31

53597 DEMERITT, D. B. Second-growth white pine volume table, southwestern Maine. Maine. U. Forestry Dept. Tech. Notes 18,5 p. Dec.1952. 99.9 M284

53598 EMROVIĆ, B. About the use of standard height curves. (In Serbo-Croatian.) Sumarski List 77: 78-94. Ref. Feb.1953. 99.8 Su6
German summary.

53599 FEIERABEND, P. Berechnung eines sortentarifs aus dem EHT. II. Allg. Forst- u. Jagdztg. 124:109-120. Feb.25,1953. 99.8 AL3

53600 GARVER, R. D. Aerial photo-interpretation by the Forest Service. Photogram. Engin. 19:117-120. Mar.1953. 325.28 P56

53601 GIOVANNINI, G. Christen's hypsometer. (In Italian.) Monti e Boschi 4:82-84. Feb.1953. 16 M76

53602 GRASBERGER, J. Neueste schnellkubierungstabelle für rundholz zum direkten ablesen des inhaltes jeder beliebgen stückanzahl (berechnet nach metermass). Ed. 21. Graz,Leykam,1952. 182 p. 99.4 G762

53603 KHOLUPÍÀK, K. L., and CHERNYSHEV, A. A. Appliance used to determine steepness of slopes. (In Russian.) Les i Step' 4(12):48-52. Dec.1952. 99.8 L565
Mensuration of forest plantations.

53604 KING, J. E. Forest Service procedure of utilizing high and low altitude photography in its companion-instrument photogrammetric procedure. Photogram. Engin. 19:88-97. Mar.1953. 325.28 P56
Includes discussion.

53605 MCCLAY, T. A. Estimating board widths obtainable from pine trees of different diameters. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 25,2 p. Jan.1953. 1.9622 S4R312

53606 MATHIEU, H. Les règles a calcul spéciales pour marchands de bois et exploitants forestiers. Bois et Scieries 59:299,301. (Cont.) Mar.12,1952. 99.81 B632

53607 OLLINMAA, P. J. The accuracy of some volume formulas and volume tables in the cubing of entire trunks. (In Finnish.) Metsätaloudellinen Aikakauslehti 2:56-60. 1953. 99.9 F49
English summary.

53608 ORCHARD, C. D. The cubic scale. Lumberman 80(3):66,69,71,73. Mar.10,1953. 99.81 W52

53609 PARSONS, H. H. Aerial timber mapping. Thunder Bay Timber Oper. Assoc. Log Book 4(6):14. Mar./Apr.1953. 99.9 T42

53610 PRODAN, M. Genauigkeit der winkelzählprobe nach Bitterlich. Allg. Forstztg. 64:96-100. Apr.1953. 99.8 AL53

53611 PRODAN, M. Die verteilung des vorrates gleichaltriger hochwaldbestände auf durchmesserstufen. Allg. Forst- u. Jagdztg. 124:93-106. Ref. Feb.25,1953. 99.8 AL3
English summary.

53612 ROBERTS, C. M., and YOUNG, H. E. Aids for computing tree volume in Maine. Maine. U. Forestry Dept. Tech. Notes 19,5 p. Feb.1953. 99.9 M284

53613 SURIC, S. Volume tables. (In Serbo-Croatian.) Sumarski List 77:66-77. Feb.1953. 99.8 Su6
by Laer-Spiecker.
German summary.

53614 SUSMEL, L. Productive capacity of timber species. (In Italian.) Monti e Boschi 4:51-58. Ref. Feb.1953. 16 M76
English summary.

53615 WHITMAN, J. A., and SLOCUM, G. K. Volume tables for stumps. J. Forestry 51:288. Apr.1953. 99.8 F768

53616 YOUNG, H. E. Tree counts on air photos in Maine. Maine. U. Forestry Dept. Tech. Notes 21,2 p. Mar.1953. 99.9 M284

53617 YOUNG, H. E. Tree counts on air photos in Maine. Photogram. Engin. 19:111-116. Mar.1953. 325.28 P56

Silviculture

53618 BERGER, J. Waldbau im westlichen Wienerwalde. Osterr. Vrtljahresschr. f. Forstw. 93:226-235. 1952. 99.8 Oe8

53619 BODROV, V. A. The importance of biogenesis in afforestation of steppes. (In Russian.) Les i Step' 5: 22-30. Jan.1953. 99.8 L565

53620 BORCHERS. Folgerungen aus den bisherigen anbauergebnissen mit fremdländischen holzarten im gebiet des landes Niedersachsen für die künftige waldbauliche planung. Deut. Dendrol. Gesell. Mitt. 57:69-81. 1951/52. 99.9 D482
English summary.

53621 CHASHKIN, M. Machines and implements in shelterbelt silviculture. (In Russian.) Tekhsovety MTS 14(3):1-16. Feb.1953. 58.8 T233

53622 COTTA, A. Some problems of forestry in Italy. (In Italian.) Indus. del Legno 4:23-25. Nov.1952. 99.82 In2

53623 DANNECKER, K. Uber wesentliche, den anschauungen einer naturgemässen waldwirtschaft anzupassende begriffe. Forst u. Holz 8:47-48. Feb.16,1953. 99.8 F7724

53624 ELAGIN, I. N. Drevopol'naîa [silvicultural] system of V. IA. Lomikovskii. (In Russian.) Les i Step' 5:76-77. Jan.1953. 99.8 L565
Land improvement.

53625 GAVRILOV, A. P. Growth stages of pine plantations in forest types on the right [Volga] shore of the Ul'îanovsk region. (In Russian.) Lesn. Khoz. 6:52-55. Jan.1953. 99.8 L5622

53626 GJEMS, O. The role of hardwood trees in the spruce forest. (In Norwegian.) Tidsskr. f. Skogbruk 61: 51-55. Feb.1953. 99.8 T432
Effects on soil.

53627 GLUMOV, G. A., and KRASOVSKII, P. N. Common birch in saline soils of the southern part of the Urals. (In Russian.) Les i Step' 5:18-21. Jan.1953. 99.8 L565

53628 KISELEV, F. I. Growth of evergreen-broadleaf stands on the Maikhin experimental forest farm. (In Russian.) Lesn. Khoz. 6:49-52. Jan.1953. 99.8 L5622

53629 KITCHINGMAN, G. D. An outline of French silvicultural literature. Forestry 25:135-142. 1952. 99.8 F767

53630 KOMAROVSKII, P. O. Basis for hardiness of pines on dune mounds in the Buzuluk woodland. (In Russian.) Lesn. Khoz. 6:25-29. Jan.1953. 99.8 L5622

53631 KONEV, G. I. Cultivation of Pinus cembra sibirica in clearings. (In Russian.) Priroda 42:107-108. Jan.1953. 410 P933

53632 KOOTZ. Vorratspflege im niederwald. Wald 3:92-93. Mar.1953. 99.8 W143

53633 KORTZ, A. Teak forest-management in Java and wildlife conservation. (In Indonesian.) Rimba Indonesia 1:230-234. Dec.1952. 99.8 R46
English summary.

53634 KURUSCHIN, F. M., and RUSSANOW, S. G. Mechanisierung der pflege von forstkulturen. Deut. Agrartech. 3:20-21. Jan.1953. 58.8 D482

53635 LASHKEVICH, K. A. Assortment of oaks for forest development in steppes. (In Russian.) Lesn. Khoz. 6:23-24. Jan.1953. 99.8 L5622

53636 LEMPS, F. DE. Les problemes posés par le taillis sous futaie dans la Vallée de la Saone. Forêts de France et Action Forest. 44:6. Jan./Feb.1953. 99.9 F315

53637 MACALPINE, R. I. Wood supplies in tea estates. Tocklai Expt. Sta. Memo. 24,164 p. Oct.31,1952. 68.19 T562M
Silviculture in India.

53638 PETER, J. Réaction de diverses essences forestiéres aux périodes séches. Forêt 5:82-84. Feb. 1953. 99.8 F7683

53639 RECKE, S., GRAF VON DER. Uber die aufzucht einiger amerikanischer holzarten. Deut. Dendrol. Gesell. Mitt. 57:67-68. 1951/52. 99.9 D482

53640 SCHREIBER, M. Notwendigkeit und wege zur bestandsumwandlung. Allg. Forstztg. 64:85-88. Apr. 1953. 99.8 AL53

53641 SOEDIBJA, R. S. Investigations on the growth and ecology of Eusideroxylon zwageri T. et B. at Semandai, Palembang. (In Indonesian.) Rimba Indonesia 1: 215-223. Dec.1952. 99.8 R46
English summary.

53642 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Forest type classification for the Pacific Northwest Region. Rev. Portland,1952. 33 p. 1.9622 P2F764

53643 USHER, G. A. Tree-climbing: the case for the climbing chair. Q. J. Forestry 47:120-122. Apr. 1953. 99.8 Q2

53644 VAARTAJA, O. Alikasvosasemasta vapautettujen männyn taimistojen toipumisesta ja merkityksestä metsänhoidossa. On the recovery of released pine advance growth and its silvicultural importance. Acta Forest. Fenn. 59(3),133 p. Ref. 1952,pub.1952. 99.9 F492
English summary.

53645 WAKELEY, P. C. Studies of geographic races of southern pines. Nav. Stores Rev. 62(51):12-13,30. Mar.21,1953. 99.81 N22

53646 YLINEN, A. Uber die mechanische schaftformtheorie der bäume. Silva Fennica 76,52 p. 1952. 99.9 F497

Silvicultural Practices

53647 APPELBE, F. Thinning studies at Cowichan. Brit. Columbia Lumberman 37(3):40-41,60. Mar.1953. 99.81 B77

53648 BAUER, F. Die läuterung der roteiche. Forst u. Holz 8:73-74. Mar.16,1953. 99.8 F7724

53649 BUJNOVIĆ, M. Sur certains problèmes de la production du bois de souche de chêne. (In Serbo-Croatian.) Sumarstvo 5:377-391. Sept./Oct.1952. 99.8 Su63
French summary.

53650 CAMERO ZAMORRA, J. Quemas e incendios forestales. Agr. Venezol. 17(158):39-43. Dec.1952. 9.95 Ag8

53651 COOPER, R. W. Prescribed burning to regenerate sand pine [Pinus clausa]. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 22,1 p. Jan.1953. 1.9622 S4R312

53652 DAVIS, R. E. Thinning, pruning farm woodlands. Forest Farmer 12(6):14-16. Mar.1953. 99.8 F7692

53653 DENGLER, H. W. Pruning tools. Amer. Forests 59(4):22,52. Apr.1953. 99.8 F762

53654 DUBOIS, L. Emondoirs à marteau. Soc. Roy. Forest. de Belg. B. 60:104-109. Feb.1953. 99.9 B83

53655 FREED, V. H. Chemicals for the forest industries. Lumberman 80(5):66,69-70,72. Apr.1953. 99.81 W52
Herbicides.

53656 HENRIKSEN, H. A. Cutting experiments. (In Danish.) Dansk Skovfor. Tidsskr. 38:207-215. Feb.1953. 99.8 D23

53657 JAMES, N. D. G. Restoration of unproductive woodlands. Q. J. Forestry 47:116-120. Apr.1953. 99.8 Q2

53658 LIDDICOET, A. R., KIMBROUGH, E. F., and CARPENDER, E. J. Ponderosa pine plantation pruning. J. Forestry 51:275-276. Apr.1953. 99.8 F768

53659 MCCLAY, T. A. Estimating time requirements for tree poisoning with ammate. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 27,2 p. Jan.1953. 1.9622 S4R312

53660 MCCLAY, T. A. The relation of growth to severity and season of pruning open-grown loblolly pine. J. Forestry 51:287-288. Apr.1953. 99.8 F768

53661 MANN, W. F. Thinning of loblolly pine. Pulp & Paper 27(4):78,81. Apr.1953. 302.8 P11

53662 MINCKLER, L. S., and DEITSCHMAN, G. H. Growth of thinned and unthinned loblolly pine [Pinus taeda] in southern Illinois. U. S. Forest Serv. Cent. States Forest Expt. Sta. Notes 73,2 p. Mar.1953. 1.9 F762525

53663 SAINZ MARGARETO, M. Tratamiento de aclareos sucesivos uniforme en el monte "Pinar de Navafria." Montes 8(49):59-67. Jan./Feb.1953. 99.8 M763

53664 SCHOBER, K. Waldkalkung in Osterreich. Allg. Forstztg. 64:71-73. Mar.1953. 99.8 AL53

53665 SILVY-LELIGOIS, P. La futaie par bouquets. Rev. Forest. Franç. 3:213-229. Ref. Mar.1953. 99.8 R329

53666 STRØMSØE, B. "Your hills look like moth-eaten stockings." Comments on Professor J. G. Bøhmer's article in "Skogeieren," No. 11, 1952. (In Norwegian.) Skogeieren 40:62. Feb.15,1953. 99.81 Sk5
Cutting systems.

53667 TIRKKONEN, O. O. J. Suomen metsäojitus 1900-luvun alkupuoliskolla. Forest swamp drainage in Finland in the first half of the 20th century. Silva Fennica 72,103 p. Ref. 1952. 99.9 F497
English summary.

53668 WACHTEL, H. Uber die eichenbewirtschaftung im östlichen Wiernerwalde. Osterr. Vrtljahresschr. f. Forstw. 93:240-242. 1952. 99.8 Oe8

Seeding and Planting

53669 AFANASIJEV, D. L'application des procédés chimiques dans la sylviculture. (In Serbo-Croatian.) Sumarstvo 6:10-21. Jan./Feb.1953. 99.8 Su63
French summary.
Use of herbicides and fertilizers in forest nurseries.

53670 AUSTIN, T. Seed setting of forest trees in 1952. (In Norwegian.) Tidsskr. f. Skogbruk 61:14-24. Jan.1953. 99.8 T432

53671 BAGGETT, D. A. Transplanting trees and shrubs. Ala. Farmer 32(4,1.e.5):7,14. Feb.1953. 276.8 AL1

53672 BIALLOVICH, IU. P. Afforestation [of banks] of the Kakhovka reservoir. (In Russian.) Les i Step' 5: 7-12. Jan.1953. 99.8 L565

53673 BUCHHOLZ, E. Meinungsverschiedenheiten über einige theoretische grundlagen des feldschützenden waldanbaus zwischen T. D. Lyssenko und W. N. Sukatschew. Z. f. Weltforstwirt. 15:225-230. Ref. Dec.1952. 99.8 Z35
English summary.

53674 BUCHHOLZ, E. Neuere sowjetische arbeiten über forstpflanzenzüchtung und forstliche samenkunde. Z. f. Forstgenet. u. Forstpflanzenzücht. 2:65-70. Ref. 1953. 99.8 Z36

53675 CARROLL, J. P. Cone collecting. Forests & People 111:22-23,42-43. Jan.1953. 99.8 F7628

53676 CHECHKO, F. E. Certain errors in afforestation. (In Russian.) Les i Step' 4(12):37-38. Dec.1952. 99.8 L565
Planting oak.

53677 CHERNOBAI, G. D. Experience in safeguarding seedlings in nurseries. (In Russian.) Les i Step' 4(12): 77-78. Dec.1952. 99.8 L565

53678 COLE, R. Using a posthole digger for planting. Q. J. Forestry 47:135-136. Apr.1953. 99.8 Q2

53679 COLLINS, P. E., and HANSEN, H. L. Suppression effects in twenty-five-old windbreak plantings. Minn. Forestry Notes 14,2 p. Feb.15,1953. 99.8 M662

53680 COOPER, R. W., and SCHOPMEYER, C. S. Viability of sand pine [Pinus clausa] seed. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 23,2 p. Jan. 1953. 1.9622 S4R312

53681 DJOEBER. Return to the nature. (In Indonesian.) Rimba Indonesia 1:224-229. Dec.1952. 99.8 R46
English summary.
Natural regeneration.

53682 EFFICIENCY suggestions for the establishment of windbreaks. (In Russian.) Les i Step' 5:50-54. Jan. 1953. 99.8 L565

53683 EVSEEV, A. A. Better planning in tree nurseries. (In Russian.) Les i Step' 4(12):42. Dec.1952. 99.8 L565

53684 FAULKNER, R. Notes on nursery irrigation and on chemical weed control practices in the U.S.A. and Canada. Forestry 25:126-134. 1952. 99.8 F767

53685 FISCHER, F., SURBER, E., and VOLZ, F. Das feuchtbeet, ein saatbeet für nachzucht von leichtsamigen holzarten. Allg. Forstz. 8:113-114. Mar.11,1953. 99.8 AL52

53686 FLEGEL, P. S. FFA members operate a woodland project. Agr. Educ. Mag. 25:237. Apr.1953. 275.8 Ag8
Maryland.

53687 GERASIMOV, M. V. Planting Eucalyptus seeds in [unprotected] ground to acclimatize it in Transcarpathian region. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:116-120. 1952. 451 M854

53688 HEIBERG, H. H. H. Breeding of aspen in America. (In Norwegian.) Tidsskr. f. Skogbruk 61:7-10. Jan.1953. 99.8 T432

53689 HENGST, X. Vorteilhafte pflanzverfahren für flachwurzler. Allg. Forstz. 8:128-133. Mar.11,1953. 99.8 AL52

53690 HENGST, X. Vorteilhafte pflanzverfahren für flachwurzler. Allg. Forstz. 8:148-149. (Cont.) Mar.18,1953. 99.8 AL52

53691 HERRAN, K. Eine säemaschine für forstsamen. Allg. Forstztg. 64:73. Mar.1953. 99.8 AL53

53692 HOUTERMANS. Torftöpfe eine neue forstliche kulturmöglichkeit für schwierige standorte? Allg. Forstz. 8:160-161. Mar.25,1953. 99.8 AL52

53693 JETER, C. H. Why not a better tree? Forests & People 111:27. Jan.1953. 99.8 F7628

53694 KAUFMAN, C. M., and POSEY, H. G. Production and quality of pond pine [Pinus rigida serotina] seed in a pocosin area of North Carolina. J. Forestry 51:280-282. Apr.1953. 99.8 F768

53695 KHARITONOVICH, F. N. Questions of theory and practice in afforestation of steppes. (In Russian.) Les i Step' 4(12):29-36. Dec.1952. 99.8 L565

53696 KLOTZ, K. Die wiedereinbringung der tanne im bayer. wald durch saat und pflanzung. Allg. Forstz. 8:114-117. Mar.11,1953. 99.8 AL52

53697 KOLESNIKOV, A. S. Unnecessary theory. (In Russian.) Les i Step' 5:33-35. Jan.1953. 99.8 L565
Forest planting.

53698 LASHKEVICH, K. A. Theory of afforestation of steppes. (In Russian.) Les i Step' 5:30-32. Jan.1953. 99.8 L565

53699 LAVRONOV, G. A. Afforestation of naturally-watered areas in Uzbekistan. (In Russian.) Les i Step' 5:13-18. Jan.1953. 99.8 L565

53700 LEONT'EV, V. L. Regeneration of the black Haloxylon aphyllum (Minkw.) Iljin in the Kara-Kum Desert. (In Russian.) Akad. Nauk SSSR. Bot. Inst. Trudy. Ser. 3. Geobot. 8:7-19. 1952. 451 Sa21G

53701 LEWIS, C. H. A new approach to an old problem. Forests & People 111:24-26. Jan.1953. 99.8 F7628
Regeneration of Pinus palustris.

53702 LUNZ. Die laubholzkunstverjüngung. Allg. Forstz. 8:157-159. Mar.25,1953. 99.8 AL52

53703 MACDONALD, J. Recent developments in forest nursery practice in Great Britain. Q. J. Forestry 47:89-100. Ref. Apr.1953. 99.8 Q2

53704 MATSUI, Y., and MORI, K. On the utilization of hedge-palisade by sprouting or bending of tree. (In Japanese.) Hokkaido Forestry Expt. Sta. Sapporo Br. Rpt. 72:7-14. July 1952. 99.9 H683
English summary.

53705 MATTHEWS, J. D. Forest tree breeding in Britain. Z. f. Forstgenet. u. Forstpflanzenzücht. 2:59-65. Ref. 1953. 99.8 Z36

53706 MAY, J. T. Breeding better seedlings undertaken at Auburn. Ala. Lumberman 5(3):17,24. Mar.1953. 99.81 AL1

53707 MAZEK-FIALLA, K. Problemas forestales especiales en Austria. Montes 8(49):23-30. Jan./Feb. 1953. 99.8 M763
Reforestation and chemical products.

53708 MECHACEK, R. Schnellkompostbereitung und volldüngung im forstgarten. Allg. Forstztg. 64:73-74. Mar.1953. 99.8 AL53

53709 MERGEN, F. The story of some unique trees. South. Lumberman 186(2329):72,74. Apr.15,1953. 99.81 So82
Pine propagation from cuttings.

53710 MILBERG, N. M. Work performance during forest planting. (In Norwegian.) Tidsskr. f. Skogbruk 61: 55-56. Feb.1953. 99.8 T432

53711 MILEVIĆ, K. S. Les service pour la production des graines forêstières de la Republique Populaire de Serbie. (In Serbo-Croatian.) Sumarstvo 5:353-364. Sept./Oct.1952. 99.8 Su63
French summary.

53712 MORANDINI, R. Pinus uncinata in reforestation. (In Italian.) Monti e Boschi 4:72-73. Feb.1953. 16 M76
English summary.

53713 MORK, E. Reforestation problems: windburnt spruce plants can be used. (In Norwegian.) Skogeieren 40:43-46,58. Feb.15,1953. 99.81 Sk5

53714 MULLER-SCHNEIDER, P. Samenkeimung im schnee. Leben u. Umwelt 9:128-129. Mar.1953. 410 L49
Trees.

53715 OSTROM, C. E. Accomplishments of the Committee on Southern Forest Tree Improvement. Nav. Stores Rev. 62(51):14-15,26-28. Mar.21,1953. 99.81 N22

53716 PAVLENKO, F. A. How best to utilize the grass carpet in forest nurseries. (In Russian.) Les i Step' 4(12):60-61. Dec.1952. 99.8 L565
Crop rotations.

53717 PETROV, T. K. New forests of our native country. (In Russian.) Priroda 42:35-43. Jan.1953. 410 P933
Chiefly on planting shelterbelts.

53718 PONOMAREV, M. F. Advanced agricultural technique is responsible for the success of afforestation. (In Russian.) Les i Step' 5:63-67. Jan.1953. 99.8 L565
Cover crops.

53719 REIMERS, N. F. Food of nutcrackers and their role in spreading cedar in the Khamar-Daban mountains. (In Russian.) Lesn. Khoz. 6:63-64. Jan.1953. 99.8 L5622

53720 ROHMEDER, E. Ist die keimprüfung unzuverlässig? Allg. Forstz. 8:134-136. Mar.11,1953. 99.8 AL52

53721 ROHMEDER, M. Mehrjährige erhaltung der lebensfähigkeit des weisstannensamens. Allg. Forstz. 8:117-119. Mar.11,1953. 99.8 AL52

53722 ROMANOV, V. N. Natural regeneration of the Sakhalin dark-coniferous forests after clearcuttings. (In Russian.) Lesn. Khoz. 6:46-48. Jan.1953. 99.8 L5622

53723 ROSSMÄSSLER. Die beerntung inländischer Douglasienvorkommen. Allg. Forstz. 8:180-181. Apr.1, 1953. 99.8 AL52

53724 SAGAIDAK, I. I. Rejuvenation of forest plantations of reduced value. (In Russian.) Les i Step' 5:55-58. Jan.1953. 99.8 L565

53725 SCHMIDT, H. Der stand der wiederaufforstung in Bayern zu beginn des jahres 1953. Allg. Forstz. 8: 119-120. Mar.11,1953. 99.8 AL52

53726 SCHNEIDER, B. Ist der unterbau von kiefern [Pinus sylvestris] lohnend? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:488,493. Mar.19,1953. 18 L2346

53727 SEDLMAYER, E. Erfahrungen mit anzucht und verpflanzen von holzspantopfballenpflanzen. Allg. Forstz. 8:125-128. Mar.11,1953. 99.8 AL52

53728 SHCHERBAKOV, A. P. Effectiveness of various forms of superphosphates on development of seedlings of tree species. (In Russian.) Lesn. Khoz. 6:30-34. Jan.1953. 99.8 L5622

53729 SHEVCHENKO, F. I. Accelerated snow thawing at tree nurseries. (In Russian.) Les i Step' 5:83. Jan. 1953. 99.8 L565
For early planting.

53730 SIRÉN, G. Havaintoja Peräpohjolan valtion mailla vuosina 1948-50 suoritetuista männyn kylvöistä. Observations on pine sowings on state-owned lands in Peräpohjola (far North) in 1948-1950. Silva Fennica 78, 37 p. Ref. 1952. 99.9 F497
English summary.

53731 SJOSTROM, H. A new seed dewinging machine. (In Swedish.) Skogen [Stockholm] 40:65. Apr.1,1953. 99.8 Sk51

53732 SØRENSEN, H. Shelterbelt planting. (In Danish.) Jydsk Landbr. 35:147-149. Feb.26,1953. 11 J99

53733 STERN, K. Methodik der vergleichenden beurteilung von nach der langparzellenmethode angelegten kieferneinzelstammsaaten. Züchter 23:1-16. Ref. 1953. 442.8 Z8

53734 SVATENKO, A. V. Growing poplars from closely planted cuttings. (In Russian.) Les i Step' 5:82-83. Jan.1953. 99.8 L565

53735 THOMAS, R. B. Reproduction in Pinus virginiana Miller. Mich. U. Diss. Abs. 13:9-10. Feb.1953. 241.8 M58

53736 TKATSCHENKO, M. E. Für Mitschurinsche grundsätze in der waldanzucht, Wald 3:95-96. (Cont.) Mar.1953. 99.8 W143

53737 TODA, R. Rooting ability of pine leaf-bundle cuttings can be improved by environmental control before their collection. Rin-Go-Shiken-Hokoku 57:205-207. Dec.1952. 99.8 R47
P. densiflora.

53738 TODA, R. Time of collecting cuttings of Edgworthia papyrifera and the effect of phytohormone treatment. (In Japanese.) Rin-Go-Shiken-Hokoku 57:203-204. Ref. Dec.1952. 99.8 R47
English summary.

53739 TOWELL, W. E. Mighty trees from seedlings grow. Mo. Conserv. 14(4):8-9. Apr.1953. 279.8 M69
Photographs with brief text of growing seedlings.

53740 TROFIMOVA, Z. I. Biological method of determining pine fertility. (In Russian.) Lesn. Khoz. 6:67-69. Jan.1953. 99.8 L5622

53741 TRUBNIKOV, M. M. Organization of labor for a combined method of planting and sowing of a forest. (In Russian.) Les i Step' 4(12):39-42. Dec.1952. 99.8 L565

53742 TRUE, R. P. Studies on sprout reproduction of yellowpoplar as related to decay. W. Va. Agr. Expt. Sta. Cur. Rpt. 3,4 p. Jan.1953. 100 W52Cu

53743 USKOV, S. P. Dense planting of pine with treated seeds. (In Russian.) Les i Step' 5:74-75. Jan. 1953. 99.8 L565

53744 VEIGA, A. DE. A. Artificial mixed forests. (In Portuguese.) Lav. e Criação 8(46):11-12. Jan.1953. 49 L392

53745 VIĆENTIĆ, M. Les fonctions et la structure de la production des graines forestières. (In Serbo-Croatian.) Sumarstvo 5:465-477. Nov./Dec.1952. 99.8 Su63
French summary.

53746 VILLA, J. J. Los viveros del Guadiana. Mensajero Forest. 100:3,28-29. Jan.1953. 99.8 M522

53747 VLADIMIROVA, V. S. Influence of the size of acorns upon the growth of oak seedlings. (In Russian.) Lesn. Khoz. 6:65-66. Jan.1953. 99.8 L5622

53748 VOL'VACH, A. I. Tree planting in the winter with frozen balls [of earth]. (In Russian.) Les i Step' 5: 80-81. Jan.1953. 99.8 L565

53749 WECHSELBERGER. Fuss-steckling oder setzrute bei der pappelpflanzenanzucht? Forst u. Holz 8:60-62. Mar.1,1953. 99.8 F7724

53750 ZIMA, I. M., and MALIŬGIN, T. T. Mechanization of tree planting in the irrigated zone of the South Ukranian Canal. (In Russian.) Les i Step' 5:42-47. Jan. 1953. 99.8 L565

Forest Protection and Damage

53751 BOCK, F., and RICHTER, H. Lawinengefahr. Internatl. Holzmarkt 4:10-12. Feb.21,1953. 99.81 In82

53752 BOCK, F., and RICHTER, H. Neue wege der lawinenverbauung in Österreich. Z. f. Weltforstwirt. 16: 21-26. Feb.1953. 99.8 Z35
English summary.

53753 COMITE TER BESTUDERING EN BESTRIJDING VAN INSECTENPLAGEN IN BOSSEN. Damage of larch by field mice. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:87-88. Mar.1953. 12 N282

53754 EYGENRAAM, J. A. Squirrel damage to buds of seed trees. (In Dutch.) Nederland. Boschbouw-Tijdschr. 23:69-70. Mar.1953. 99.8 N28

53755 FAL'KENSHTEĬN, B. ĬŬ., and VINOGRADOV, B. S. Susliki, vredĭashchie lesnym nasazhdeniĭam, i mery bor'by s nimi [Siberian marmots which damage forest plantings and measures for controlling them]. Moskva, Akademiia Nauk SSSR, 1952. 29 p. (Akademiia Nauk. Zoologicheskiĭ Institut. V pomoshch' Rabotaĭŭshchim na Polezashchitnykh Lesnykh Polosakh i na Velikikh Stroĭkakh Kommunizma 17) 410.9 Ak12

53756 GAYL, A., and HECKE, H. Neuere erkenntnisse zur vorbeugenden lawinenbekämpfung. Allg. Forstztg. 64:92-96. Apr.1953. 99.8 AL53

53757 GERSDORF, E. Vorläufige mitteilung über die annahme von köderhölzern durch die erdmaus (Microtus agrestris). Anz. f. Schädlingsk. 26:40-41. Mar.1953. 421 An9

53758 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. INFESTATION CONTROL DIV. The grey squirrel menace. Q. J. Forestry 47:130-132. Apr.1953. 99.8 Q2

53759 JAKOBSEN, B., and RASMUSSEN, C. The storm of February 11, 1952. (In Danish.) Dansk Skovfor. Tidsskr. 38:193-206. Feb.1953. 99.8 D23
Damage to forests.

53760 LOWETH, A. N. The effect of western civilisation on the forests of the Pacific Islands. Oxford U. Forest Soc. J. (ser.4)1:13-17. Ref. 1953. 99.9 Ox2

53761 MAKSIMOVIĆ, M. La protection des forêts dans la nouvelle organisation de l'économie forestière. (In Serbo-Croatian.) Sumarstvo 5:372-377. Sept./Oct. 1952. 99.8 Su63
French summary.

53762 O'NEIL, W. J. Hurricane break in New England conifers. J. Forestry 51:290. Apr.1953. 99.8 F768

53763 ROLLER, H. M. Explanation of sampling procedure. Unit 46:7-18. Jan.1953. 99.9 Un34
To measure the results of conservation programs. Includes discussion.

53764 STEVEN, H. M. Storm damage to woodlands in Scotland on January 31, 1953. Nature [London] 171: 454-456. Mar.14,1953. 472 N21

53765 VAN'T WOUDT, B. D. Damage by deer in the northern Kaimanawas. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:239. 1951,pub.1952. 90.09 R81R
In beech forests.

Fire

53766 CLEARWATER TIMBER PROTECTIVE ASSOCIATION. Annual report, 1952. Orofino,Idaho,1952. 55 p. 99.9 C68
Chiefly fire control.

53767 DROST, P. J. Forest and heath fires. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:80-81. Mar.1953. 12 N282

53768 GARCIA ESCUDERO Y FERNANDEZ DE URRUTIA, P. El seguro de incendios en los montes. Montes 8(49):13-22. (Concl.) Jan./Feb.1953. 99.8 M763

53769 LINDENMUTH, A. W. How dry were southern Appalachian forests in the fall of 1952. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 24,2 p. Jan.1953. 1.9622 S4R312
Forest fires in relation to drought.

53770 LOS ANGELES COUNTY, CALIFORNIA. DEPT. OF FORESTER AND FIRE WARDEN. Annual report, fiscal year ended June 30,1952. Los Angeles,1952. 48 p. 99.9 L89

53771 MIXON, J. E. Build-up for disaster. Forests & People 111:16-18,44-45. Jan.1953. 99.8 F7628
Forest fire prevention.

53772 OTTAWA RIVER FOREST PROTECTIVE ASSOCIATION. Thirty-ninth annual report, 1952. Ottawa,1952. 27 p. 99.9 Ot8
Chiefly fire control.

53773 RICE, J. T. The progress and problems of Alabama's forest fire control. Ala. Farmer 32(4,i.e.5):6, 14. Feb.1953. 276.8 AL1

53774 RODGER, E. E. Remember "52!" Va. Wildlife 14(4):16-17. Apr.1953. 410 V81
Forest fires in Virginia.

53775 SCHEERS, C. F. Guardians of the forest. Conserv. Volunteer 16(91):6-10. Jan./Feb.1953. 279.8 C765
Forest rangers in fire control in Minnesota.

53776 VILLENEUVE, G. O. Importance de la météorologie en protection des forêts dans la région du St-Maurice. Québec. Min. des Terres et Forets. Bur. de Mét. B. 21,42 p. 1952. 342 Q3

Forest Influences

53777 BLAGOVESHCHENSKII, É. N., and PETROV, G. E. Are mechanical safeguards necessary in strengthening moving dune sands? (In Russian.) Lesn. Khoz. 6: 34-36. Jan.1953. 99.8 L5622
By planting saplings.

53778 BUCHHOLZ, E. Zur frage des einflusses des waldes auf die wasserwirtschaft des landes. Forst u. Holz 8:33-34. Ref. Feb.1,1953. 99.8 F7724

53779 DVORAKOVSKII, M. S. Reciprocal relations between trees and shrubs in the "Grigorov" valley near Stalingrad. (In Russian.) Les i Step' 4(12):15-19. Dec. 1952. 99.8 L565
Retention of moisture by shrubs.

53780 EVDOKIMOV, K. T. Snow retaining action of windswept forest belts. (In Russian.) Les i Step' 5:81-82. Jan.1953. 99.8 L565

53781 GORDIENKO, M. Der einfluss des waldes bzw. der waldschutzstreifen auf die wasserverhältnisse und den grundwasserstand im boden. Deut. Landwirt. 4:43-46. Ref. Jan.1953. 18 D4822
Russian Zone.

53782 HOOVER, M. D. Interception of rainfall in a young loblolly pine [Pinus taeda] plantation. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 21,13 p. Jan.1953. 1.9622 S4St2

53783 TARMUKHAMETOV, A. I. Influence of forest belts upon [grain] crop. (In Russian.) Les i Step' 5:40-41. Jan.1953. 99.8 L565

53784 IIZUKA, H. On the width of windbreak. (In Japanese.) Rin-Go-Shiken-Hokoku 56:1-218. Dec.1952. 99.8 R47
English summary.

53785 IIZUKA, H. Research on so called "blow-in" at the side end of a windbreak. (In Japanese.) Rin-Go-Shiken-Hokoku 56:219-223. Dec.1952. 99.8 R47

53786 IIZUKA, H. Research on the correlation between the turbulence intensity and the wind velocity on the leeward of windbreak as one method to judge the function of windbreak. (In Japanese.) Rin-Go-Shiken-Hokoku 56:225-231. Dec.1952. 99.8 R47

53787 KUHN, W. Auswinterungsschäden in der heckenlandschaft. Umschau 53:210-211. Apr.1,1953. 474 Um7

53788 MODLHAMMER, V., and WLADAR, J. O. Windschutz der werksiedlung mannersdorf. Höhere Bundeslehr.- u. Versanst. f. Wein- u. Obstbau. Mitt. 3: 83-87. Mar.1953. 105.9 K696
English summary.

53789 NELKEN, S. W. Ground water and land use. Forests & People 111:20-21,55. Jan.1953. 99.8 F7628
Forest influences.

53790 PUENTE E., J. M. DE LA. Características experimentales de algunos pisos forestales. Mensajero Forest. 100:4-6,26-27. Jan.1953. 99.8 M522

53791 SØRENSEN, H. Are we through with the windbreak experiments? (In Danish.) Jydsk Landbr. 35:225-226. Apr.2,1953. 11 J99

53792 TANI, N. On the mechanism and effect of shelter-hedge. Wind tunnel test of the model hedge. 2. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:134-136. Nov.1952. 340.9 So1
English summary.

53793 WITTICH, W. Der einfluss des waldes auf die wasserwirtschaft des landes. Allg. Forstz. 8:144-148. Mar.18,1953. 99.8 AL52

Miscellaneous Forest Uses

53794 DELISLE, R. L'érabliefe. Ferme 14(7):41-42, 69. Mar.1953. 7 F38

53795 DUTTON, W. L. Forest grazing in the United States. J. Forestry 51:248-251. Ref. Apr.1953. 99.8 F768

53796 HOLLOWAY, J. T. Forest and forest animals. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:234. 1951, pub.1952. 90.09 R81R

53797 MAULER, J., and SANDOZ, F. Les pâturages boisés du Jura. Almanach Agr. de la Suisse Romande 91:61-64,66-67. 1953. 30.3 AL6
Le point de vue du forestier, par J. Mauler; le point de vue de l'agriculteur, par F. Sandoz.

53798 SCHWARTZ, R. M., and SCHWENGEL, A. O. Game management and forestry in the Kettle Moraine. Wis. Conserv. B. 18(3):30-33. Mar.1953. 279.8 W752

53799 U. S. FOREST SERV. NORTH CENTRAL REGION. Canoe routes, Superior National Forest. Milwaukee,1953. 16 p. 1.9621 R9C16

FOREST INDUSTRIES AND TRADE

53800 BISCHOFF, G. Die einfuhrzollbehandlung von holz und holzwaren. Holzwirt. Jahrb. 1953:56-71. 99.83 H742

53801 BLAKE, R. W. New Zealand's timber industry. Foreign Trade 13(327):2-4. Apr.4,1953. 286.8 C162

53802 DALE, I. R. The Uganda timber cess fund. Empire Forestry Rev. 32:61-62. Mar.1953. 99.8 Em72

53803 EHRFELD, J. Probleme des österreichischen holzmarktes. Internatl. Holzmarkt 4:2-3. Feb.21,1953. 99.81 In82

53804 EIDMANN, F. E. Statistisches aus der deutschen forstwirtschaft; die wirtschaftsentwicklung von 1945 bis heute. Holzwirt. Jahrb. 1953:17-24. 99.83 H742

53805 EUTING, H. H. Aussichten für den holzmarkt 1953. Holz 7:1-3. Jan.1953. 99.82 H743

53806 EUTING, H. H. Die holzbilanz Westdeutschlands im querschnitt: ein offenes wort zur Bundestagsdebatte über die schnittholzeinfuhren. Holz 7:25-29. Feb.1953. 99.82 H743

53807 EUTING, H. H. Steigende holzversorgung—fallende holzpreise. Wchnbl. f. Papierfabrik. 81:55-57. Jan.31,1953. 302.8 W81

53808 FEEST, F. Probleme des holzexportes. Internatl. Holzmarkt 5:23-25. Mar.14,1953. 99.81 In82

53809 FRIEDRICH, A. G. Holzimporte der Bundesrepublik Deutschland nach sortimenten und herkunftsländern der jahre 1950 und 1951. Z. f. Weltforstwirt. 15: 217-225. Dec.1952. 99.8 Z35
English summary.

53810 FRIEDRICH, R. Das preisproblem in der holzwirtschaft. Holzwirt. Jahrb. 1953:11-16. 99.83 H742

53811 GAINES, H. D. Trade trends. Canad. Woodworker 53(3):45-46. Mar.1953. 99.82 C162

53812 GALLEGO QUERO, F. La evolución de precios en el mercado internacional de maderas. Montes 8(49):78-81. (Cont.) Jan./Feb.1953. 99.8 M763

53813 GRABNER, G. Von der verantwortung des handels. Holzwirt. Jahrb. 1953:25-30. 99.83 H742

53814 GRAY, H. R. Commonwealth timber statistics 1950/51-1951/52. Austral. Timber J. 18:943-944. Jan. 1953. 99.81 Au7

53815 GRIVAZ, G. Les ventes de coupes de bois de l'exercice 1952. Rev. Forest. Franç. 3:178-203. Mar. 1953. 99.8 R329

53816 HEINRICHS, W. Strukturwandlungen am weltschnittholzmarkt. Internatl. Holzmarkt 4:3-4. Feb.21, 1953. 99.81 In82

53817 JASSOGNE, F. L'exploitation forestiére au Congo Belge. Bois et Forêts des Trop. 27:9-15. Jan./Feb.1953. 99.8 B632
English summary.
Wood for export.

53818 JAY, B. A. Commonwealth hardwoods for the United Kingdom. New Commonwealth 25:276-278. Mar. 16,1953. 280.8 C88

53819 KLIETSCH, A. Die holzpreisentwicklung und ihre diskussion in der forst- und holzwirtschaft. Allg. Forstz. 8:142-144. Mar.18,1953. 99.8 AL52
Germany.

53820 KLUYVER, P. J. Claims and arbitration. (In Dutch.) (Sum.) Houthandel 5:478-480. Mar.27,1953. 99.81 H81
In wood trade.

53821 LIGNAU, G. VON. La industria maderera nacional. Vida Agr. [Lima] 30(350):37,39,41. Jan.1953. 9.8 V66

53822 MCGOWIN, E. M. The lumber industry's increasing responsibility in the nation's economy. Ala. Lumberman 5(4):7,22-26. Apr.1953. 99.81 AL1

53823 MAFERA, F. Panorama of the European market in 1952. (In Italian.) Indus. de Legno 4:28-29. Dec. 1952. 99.82 In2

53824 PALOSUO, V. J. The timber market outlook for 1953. (In Finnish.) Metsätaloudellinen Aikakauslehti 1:7-8. 1953. 99.9 F49
English summary.

53825 REIMERS, P. F. Die notwendigkeit einer preiskorrektur für rohholz. Wald 3:71-72. Mar.1953. 99.8 W143

53826 ROBERTSON, C. W. How we tell our story of better forest management. South. Pulp & Paper Mfr. 16 (3):40,42,46. Mar.10,1953. 302.8 So8
Includes discussion.

53827 ROTHE, P. L. Les éléments du prix de revient des bois d'exportation de la Côte d'Ivoire. Bois et Forêts des Trop. 27:27-38. Jan./Feb.1953. 99.8 B632
English summary.

53828 SCHALTENBRAND, W. Vente collective de bois en grume en Ajoie 1952/53. Forêt 6:114-115. Mar. 1953. 99.8 F7683

53829 THUNELL, B. Struktur und produktionsentwicklung der schwedischen forstindustrien. Holz als Roh- u. Werkst. 10:451-456. Dec.1952. 99.81 H74

53830 TIMBER DEVELOPMENT ASSOCIATION. T.D.A. statistical year book, 1, 1951. London,1952. 24 p. 99.83 T48

53831 TÖGEL, K. Kostenrechnung, kalkulation und betriebsvergleich. Holz-Zentbl. 79:472,474. Apr.2,1953. 99.81 H742
Forest industries.

53832 VALTASAARI, M. The role of the forest industry. Finnish Paper & Timber 3:51-60. July 10,1952. 302.8 F49

53833 WACHA, R. Werden und wesen der neuregelung der schnittholzausfuhr. Internatl. Holzmarkt 5:25-26. Mar.14,1953. 99.81 In82

53834 WISCONSIN RETAIL LUMBERMENS ASSOCIATION. Directory of Wisconsin and upper Michigan retail lumber dealers, corrected to March, 1953. Milwaukee, 1953. 40 p. 225 W753

53835 YOUL, J. W. The forests and sawmilling industries in U.S.A. and Canada. Austral. Timber J. 18: 910,912-914,917-918. (Cont.) Dec.1952. 99.81 Au7

Lumbering

53836 FINLANDS FLOTTAREFORENING. Arsbok [Yearbook of Finland's Timber-Floating Association], XXI, 1952. Helsinfors,1953. 124 p. 292.49 V98Y

53837 GRACE, L. A. DE. Logging and utilization in spruce-fir in the West. Forestry Chron. 29:40-44. Mar. 1953. 99.8 F7623

53838 JOHNSON, R. S. Logging and utilization in spruce-fir in the East. Forestry Chron. 29:64-74. Ref. Mar.1953. 99.8 F7623

53839 LINKERT, R. Die holzabfuhr und die rohholzbearbeitung (rohholzmanipulation) als produktionsaufgaben der Staatlichen forstwirtschaftsbetriebe. Wald. 3: 72-74. Mar.1953. 99.8 W143

53840 MCCUTCHEON, J. O. The basis of an integrated forest products operation. Lumberman 80(5):78, 80,82,84. Apr.1953. 99.81 W52

53841 MCCUTCHEON, J. O. Integrated forest operations. Brit. Columbia Lumberman 37(3):38-39,58,60. (Cont.) Mar.1953. 99.81 B77

53842 MERKUSHEV, S. V. Reorganization of technical inspection. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 2:25. Jan.1953. 99.82 D44
In lumber yards, saw mills and wood-working plants.

53843 REIMANN, L. C. When pine was king. Ann Arbor,Mich.,1952. 163 p. 99.76 R27

53844 SCHILD, W. Résultats de la prévention des accidents. Forêt 6:107-108. Mar.1953. 99.8 F7683

Lumbering Equipment

53845 EKHOLM, E. The half-trailer of the log-truck. (In Finnish.) Teho 1:7-12. 1953. 20 T98
English summary, p. 50.

53846 EKHOLM, E. Rotating platforms of log transporting trucks currently used. (In Finnish.) Teho 2/3:88-93. 1953. 20 T98
English summary, p. 118.

53847 LAWRENCE, J. E. Power saws for farm woodlands. New Eng. Homestead 126(7):8,27. Apr.11,1953. 6 N442

53848 MAKKONEN, A. Presenting motor saws VII, Dolmar Ck and Jo-Bu Junior. (In Finnish.) Teho 2/3:95-100. 1953. 20 T98
English summary, p. 118.

53849 PEET, C. The saw. Amer. Forests 59(4):13, 36,38,40. Apr.1953. 99.8 F762
History.

53850 TAPANAINEN, O. Crawler tractors in forest work. Finnish Trade Rev. 73:18-19,31. Feb.1953. 286.8 F495

53851 TROMP, P. H. M. Good forestry equipment. IV-V. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64: 52-54,82-86. Feb.- Mar.1953. 12 N282
Logging equipment.

53852 WINKELMANN, H. G. Zehn jahre seilkran. Wald u. Holz 34:110-118. Ref. Feb.1953. 99.8 W14

Logging

53853 BUELL, A. F. A woods manager looks at safety. Thunder Bay Timber Oper. Assoc. Log Book 4(5):13,16,25. Jan./Feb.1953. 99.9 T42

53854 CAMERON, G. W. Cutting practices. Thunder Bay Timber Oper. Assoc. Log Book 4(6):4. Mar./Apr. 1953. 99.9 T42

53855 CARPENTER, R. D. Quality control begins with logging. South. Lumberman 186(2329):98,100,102, 104. Apr.15,1953. 99.81 So82

53856 GOODRICH, H. C. Technical aspects of debarking and chip utilization. South. Lumberman 186 (2329):64. Apr.15,1953. 99.81 So82

53857 GUDIM, Å. Modern log skidding. (In Norwegian.) Skogeieren 40:9-10. Jan.15,1953. 99.81 Sk5
Chiefly on cable equipment.

53858 HAFNER, F. Motorfahrzeuge zum holztransport auf wegen. Allg. Forstztg. 64:63-65. Mar.1953. 99.8 AL53

53859 HIGGINS, F. H. Bunyan flexes Diesel muscles. Diesel Prog. 19(4):44-47. Apr.1953. 291.8 D56
Logging mechanization.

53860 KANTOLA, M. Felling trees in Switzerland. (In Finnish.) Teho 2/3:83-85. 1953. 20 T98
English summary, p. 118.

53861 KAUFMANN, G. VON. Uber das treiben (vorliefern) von holz. Allg. Forstztg. 64:55-57. Mar. 1953. 99.8 AL53

53862 LAUKKANEN, V. Planning of floating in bundles in the River Oulujoki water system. (In Finnish.) Finlands Flattarefor. Arsb. 21:47-52. 1952,pub.1953. 292.49 V98Y
English summary.

53863 LERCH, V. Die forstaufschliessung in Vorarlberg von 1945 bis 1952. Allg. Forstztg. 64:52-54. Mar.1953. 99.8 AL53

53864 MCCLAY, T. A. Relation of tree size to production rates when cutting pine pulpwood with a chain saw. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 28,2 p. Jan.1953. 1.9622 S4R312

53865 MAKKONEN, O. Bark classification for determination of logging wage scales. (In Finnish.) Metsätaloudellinen Aikakauslehti 2:47-50. 1953. 99.9 F49
English summary.

53866 MEDERER, J. Forstaufschliessung in Tirol. Allg. Forstztg. 64:49-52. Mar.1953. 99.8 AL53
For log hauling.

53867 MERRILL, J. H. Some aspects of a modern pulpwood logging operation. Pulp & Paper Mag. Canada 54(4):132,135-136. Mar.1953. 302.8 P96

53868 PESTAL, E. Seilrückung im gebirgswald. Allg. Forstztg. 64:59-62. Mar.1953. 99.8 AL53

53869 POLLANEN, K. Some thoughts on the development trends of timber transportation through lakes. (In Finnish.) Finlands Flattarefor. Arsb. 21:36-46. 1952, pub.1953. 292.49 V98Y
English summary.

53870 RAZOUS, P. La productivité en exploitation forestiére en scierie et dans les industries du bois. Bois et Scieries 59:187,189. (Cont.) Feb.12,1953. 99.81 B632
Section deals with logging.

53871 RAZOUS, P. La productivité en exploitation forestière en scierie et dans les industries du bois. Bois et Scieries 59:298-299. (Cont.) Mar.12,1953. 99.81 B632
Felling.

53872 RINNE, V. Observations of a waterways constructor in Canada and USA. (In Finnish.) Finlands Flattarefor. Arsb. 21:53-82. 1952,pub.1953. 292.49 V98Y
English summary.
Includes timber floating.

53873 ROBERTS, A. L. Five steps in determining proper log loader and truck use ratios. Timberman 54(6): 152-153. Apr.1953. 99.81 T484

53874 SIAS, R. C. Two-stage falling in an overmature stand. J. Forestry 51:288-290. Apr.1953. 99.8 F768

53875 STEINLIN, H. Seilförderung bei kleinen holzmengen. Allg. Forstztg. 64:57-59. Ref. Mar.1953. 99.8 AL53

53876 STENZEL, G. More wood per tree by careful felling and bucking. Wash. Inst. Forest Prod. B. 14,15 p. 1953. 99.9 W278

53877 SUOMEN METSATIETEELLINEN SEURA. METSATALOUSKOMITEAN. Puun maakuljetusolojen kehittäminen. Development of land transportation of wood. Silva Fenn.73,71 p. 1952. 99.9 F497
English summary.
Chiefly truck roads.

53878 VORY, J. On the mechanization of timber raw material exploitation. (In Finnish.) Paperi ja Puu. B 35: 51-55. Feb.15,1953. 302.8 P1991
English summary.

53879 WALLECZEK, F. Die bringung als produktivitätsfaktor. Internatl. Holzmarkt 5:35-38. Mar.14,1953. 99.81 In82

Sawmills

53880 ALLOUARD, P., and HUGUET, L. La modernisation d'une scierie tropicale d'importance moyenne au Mexique. Bois et Forêts des Trop. 27:16-22. Jan./Feb. 1953. 99.8 B632
English summary.

53881 BAUMANN, H. Die fachausbildung des sägewerkerlehrlings. Holzwirt. Jahrb. 1953:227-232. 99.83 H742

53882 BRENNER, B. Log handling at the sawmill. (In Swedish.) Paperi ja Puu. B 35:44-50. Feb.15,1953. 302.8 P1991
English summary.

53883 BROWN, A. J. Early European sawmills. Gulf Coast Lumberman 41(2):44,46. Apr.15,1953. 99.81 G95

53884 FRONIUS, H. Die blockbandsäge als hauptmaschine im sägewerk mit nadelholzeinschnitt. Holz-Zentbl. 79:479-480. Apr.2,1953. 99.81 H742

53885 FRONIUS, K. Die verwendung dünner gattersägen. Holzwirt. Jahrb. 1953:103-106. 99.83 H742

53886 GOTTLIEB, F. Der kraftbedarf eines sägewerkes. Internatl. Holzmarkt 4:5-7. (Cont.) Feb.21, 1953. 99.81 In82

53887 GRANVIK, B. A., and LEVANTO, S. Tutkimuksia eräiden ratapölkkylajien sahauksesta kenttäsirkkelisahalla. Investigations into the field sawing of certain sleeper types with circular saw. Työtehoseura. Julkaisu 66,95 p. 1952. 20 M11
English summary.

53888 GRUJIĆ, Z. L'industrie du bois dans la RP de Serbie. (In Serbo-Croatian.) Sumarstvo 5:477-489. Nov./Dec.1952. 99.8 Su63
French summary.
Sawmills.

53889 HETTERICH, G. Leistungslohn in sägewerksbetrieben. Holzwirt. Jahrb. 1953:31-39. 99.83 H742

53890 HILL, L. E. Hydraulic barking. Wood Working Digest 55(4):63-68,70,72-74. Apr.1953. 99.82 W87

53891 HUBNER, R. Die bedeutung der schnittfugen. Holz-Zentbl. 79:434. Mar.26,1953. 99.81 H742

53892 HUBNER, R. Wohin treiben wir? Holz-Zentbl. 79:421. Mar.24,1953. 99.81 H742
Sawmills.

53893 MAIER, P. Erfahrungen mit der kurzarbeiterunterstützung bei der zunehmenden kurzarbeit in der sägeindustrie. Holz-Zentbl. 79:327-328. Mar.10,1953. 99.81 J742

53894 MATER, M. A. Sawmill standardization—an engineering challenge. Standardization 24:74-78. Mar. 1953. 297.8 In22

53895 MATER, M. H. Mechanization—key to lower operating costs. South. Lumberman 186(2329):108,110, 112. Apr.15,1953. 99.81 So82
Sawmills.

53896 MATSUI, Y., and SHINOHARA, H. On the log utilizing percent of Todo-fir [Abies sachalinensis] stem. (In Japanese.) Hokkaido Forestry Expt. Sta. Sapporo Br. Rpt. 72:15-24. July 1952. 99.9 H683
English summary.

53897 MORGAN, G. S. Conversion. Empire Forestry Rev. 32:65-71. Mar.1953. 99.8 Em72

53898 NIELSEN, F. B. Observations on time and motion studies in the sawmill industry. (In Norwegian.) Norsk Skogindus. 7:90-92. Mar.1953. 99.82 N81

53899 PAETZ, F. Das lehr- und übungssägewerk. Holz-Zentbl. 79:292. Mar.3,1953. 99.81 H742

53900 PAVIĆ, J. La technique de la préparation de scies à ruban. (In Serbo-Croatian.) Sumarstvo 5:496-507. Nov./Dec.1952. 99.8 Su63
French summary.

53901 SOUTH AFRICAN LUMBER MILLERS' AND SHOOK MANUFACTURERS' ASSOCIATION. Eleventh annual report, 1951/52. Johannesburg,1952. 84 p. 99.9 So842

53902 WUSTER, E. Gattersägen nur mehr 175 mm breit — in Schweden. Holz-Zentbl. 79:266. Feb.26,1953. 99.81 H742

Processing and Woodworking

53903 ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY. Woodworking machinery. London,1952. 48 p. (Productivity Team Report) 99.77 An4W

53904 BELLOTII, L. Electronic applications in woodworking. (In Italian.) Indus. de Legno 4:30-33. (Cont.) Dec.1952. 99.82 In2

53905 FESSEL, F. Biegetechnik und biegemaschinen. Norddeut. Holzwirt. 7(2):3-5. Feb.28,1953. 99.82 N75

53906 GILLET, P. Les incendies dans les industries du bois. Rev. du Bois 8(2):25-26. Feb.1953. 99.82 R32
Dust explosions in woodworking.

53907 HAFNER, T. Hochfrequenzerwärmung in der holzindustrie. Elektrizitätsverwertung 28:6-9. Apr./May 1953. 335.8 EL236
English summary, p. 35.

53908 KOBLANK, H. Bedeutung und organisation des betrieblichen vorschlagswesens. Holz 7:62-63. (Cont.) Mar.1953. 99.82 H743

53909 LEONARD, G. New process makes wood bending easier. Austral. Timber J. 18:810-811,815. Nov. 1952. 99.81 Au7

53910 MANSFIELD, J. H. A century of progress in woodwork machines. (Condensed) South. Lumber J. 57(4):14,16,20,24,115-116. (Cont.) Apr.1953. 99.81 So8

53911 RICHARDS, D. B., and COOL, B. M. End joints for southern pine. Ala. Agr. Expt. Sta. L. 39,4 p. Mar. 1953. 100 AL1S

53912 SCHNEIDER, A. Die rationalisierung in der holzverarbeitenden industrie. Holzwirt. Jahrb. 1953:40-44. 99.83 H742

53913 SCHNEIDER, F. Meine Schwedenreise: die holzverarbeitenden industrien. Salzburger Bauer 8(10): 4-5. Mar.5,1953. 19 Sa3

53914 SKOGLUND, C., and HVAMB, G. Sågtandvinklarnas inverkan på kraftförbrukningen vid med- och motsågning. The influence of tooth shape on the cutting forces in "counter" and "climb" ripsawing. Svenska Träforskinst. Trätek. Avd. Meddel. 37 B,9 p. 1952. 99.9 St6
English summary.

Seasoning, Conditioning and Finishing

53915 ESPENAS, L. D. The seasoning of one-inch tanoak lumber. Oreg. Forest Prod. Lab. B. 3,46 p. Jan.1953. 99.9 Or3522B

53916 FESSEL, F. Trockenkammern und dämpfanlagen. Holzwirt. Jahrb. 1953:117-129. 99.83 H742

53917 FESSEL, F. Ein wendepunkt der trockentechnik durch zerstörung und ablösung der strömungs-grenzschicht. Holz 7:29-32. Feb.1953. 99.82 H743

53918 GRAHAM, R. D. Service life of treated and untreated fence posts. Oreg. Forest Prod. Lab. Prog. Rpt. 6,32 p. Ref. Oct.1952. 99.9 Or3522P

53919 HAMADA, R., MAKU, T., and KADITA, S. Wood drying by radio-heating. (In Japanese.) Wood Res. 8:44-54. Mar.1952. 99.82 W8524
English summary.

53920 KIEFER, O. Ein hochtemperatur-trockner für den kleinbetrieb. Internatl. Holzmarkt 5:32-33. Mar.14, 1953. 99.81 In82

53921 KIEFER, O. Wirtschaftliche holztrocknung nun auch im handwerksbetrieb.—Der Hildebrand-Kleintrockner HD 74. Holz 7:64-69. Mar.1953. 99.82 H743

53922 KRECHETOV, I. V. Measures to improve the performance of dry kilns. (In Russian.) Derevoperera-batyvaîushchaîa i Lesokhim. Promysh. 2:7-11. Jan.1953. 99.82 D44

53923 LANGE, W. Elektrische holzfeuchtemessung nach dem widerstandsverfahren. Norddeut. Holzwirt. 7(20):4-5. Feb.14,1953. 99.82 N75

53924 MIRKOVICH, R. A., and PLOTNIKOVA, G. P. New types of finishing materials. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 2:19-22. Jan.1953. 99.82 D44

53925 MURMANN, I. H. Lufttechnische anlagen für farbspritzereien und lackierereien in der holzverarbeitenden industrie. Holz 7:3-8. Jan.1953. 99.82 H743

53926 PILLER, J. Ein angeblich neues "injektions-diffusionsverfahren." Holz 7:34-35. Ref. Feb.1953. 99.82 H743

53927 SCHMAUSSER, M. Praktische winke für zeitgemässe oberflächenbehandlung. Holz-Zentbl. 79:364-365. Mar.14,1953. 99.81 H742

53928 UGOLEV, B. N. Remainders of tension in wood and methods for their elimination. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 2:12-15. Jan.1953. 99.82 D44
Defects from uneven drying.

Wood Preservation and Damage

53929 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Tests of E. marginata sleepers, untreated and brush treated with creosote oil at Dwellingup, Western Australia; second inspection, 1947, third inspection, 1951, by N. Tamblyn. South Melbourne,1952. 6 p. (Its Project P. 3, Sub-Project P. 3-6, Progress Report No. 3) 300 Au7SL

53930 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Tests of pole treatments in New South Wales using E. grandis, E. maculata, E. pilularia, and E. saligna pole stubs; sixth inspection and third retreatments, 1951, by G. W. Tack, and J. Beesley. South Melbourne,1952. 16 p. (Its Sub-Project P.6-5, Progress Report No. 7) 300 Au7Ten

53931 BAKSHI, B. K. Decay and sap stain of timber, their causes and prevention. Indian Forester 79:108-114. Feb.1953. 99.8 In2

53932 BAVENDAMM, W. Aktuelle holzschutzprobleme. Holzwirt. Jahrb. 1953:203-210. 99.83 H742

53933 BELLMANN, H., and FRANCKE-GROSMANN, H. Versuche zur tränkfähigkeit verblauten kiefernsplintholzes. I. Tränkung mit öligen imprägniermitteln. Holz als Roh- u. Werkst. 10:456-463. Ref. Dec.1952. 99.81 H74

53934 COLLEY, R. H. The evaluation of wood preservatives. II. Bell System Tech. J. 32:425-505. Ref. Mar.1953. 335.8 B41

53935 GRAHAM, R. D. How incising across grain affects pressure treatment of Douglas fir cross ties. Cross Tie B. 34(4):13-14,16. Apr.1953. 99.82 C87

53936 HIRD, D., and SIMMS, D. L. Fire retardant treatments. Wood [London] 18:92-95. (Cont.) Mar.1953. 99.82 W855

53937 HUNT, G. M., and GARRATT, G. A. Wood preservation. Ed. 2. New York,McGraw-Hill,1953. 417 p. Ref. (American Forestry Seires) 300 H91

53938 INOUYE, Y., and KUROKI, Y. Studies on the wood preservatives. VII. The efficiency of the wood preservatives with chlorinated pine root oil. (In Japanese.) Wood Res. 8:74-82. Mar.1952. 99.82 W8524
English summary.

53939 KLUCZYCKI, K. The toxicity of some wood-preservatives and insulators to fungi and the method of its testing. (In Polish.) Acta. Microbiol. Polon. 1:223-256. Ref. 1952. 448.3 Ac82
English summary.

53940 MACK, G. W., and SAVORY, J. G. A new treatment for walls infected with dry rot. London,1952. 3 p. 300 M19
From The Builder, v.182,p.975-977.

53941 MEEK, W. L., CURTIN, T. W., and WALTERS, C. S. Preservative treatment of electric fence stakes. Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note 32,1 p. Mar.20,1953. 99.9 IL62

53942 MEEK, W. L., CURTIN, T. W., and WALTERS, C. S. Report on Project 301-A. Preservative treatment of fence posts by cold-soaking in pentachlorophenol—fuel oil solutions. Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note 33,4 p. Apr.1,1953. 99.9 IL62

53943 MEEK, W. L., CURTIN, T. W., and WALTERS, C. S. Report on Project 301-C. Preservative treatment of fence posts with toxic oil solutions by cold-soaking, dipping, and brushing. Ill. Agr. Expt. Sta. Dept. Forestry Forestry Note 34,4 p. Apr.10,1953. 99.9 IL62

53944 NIXON, W. A. A creosoting tank for ten pounds. Q. J. Forestry 47:126-127. Apr.1953. 99.8 Q2

53945 OHLMANN, J. Behandlung des buchenholzes im walde. Wald 3:76-78. Mar.1953. 99.8 W143

53946 PARMENTER, R. B. Cold-soak wood preservation. Mass. U. Agr. Ext. Spec. C. 196,2 p. May 1952. 275.29 M38Isc

53947 PURUSHOTHAM, A., PANDE, J. N., and JADHAVE, Y. G. Wood preservation in India. Indian Forester 79:49-65,92-107. Ref. Jan.-Feb.1953. 99.8 In2

53948 SCHULZ, G. Bläueschutz bei kiefern-stamm- und -schnittholz. Holz-Zentbl. 79:319-321. Ref. Mar. 7,1953. 99.81 H742

53949 SCHWARTZ, W. Beiträge zur kenntnis des holzes als werkstoff. III. Untersuchungen über die beeinflussung der quellung des holzes durch imprägnierung. Angew. Bot. 26:228-239. Dec.1952. 450 An4

53950 SOCIÉTÉ XYLOCHIMIE. EXPORT DEPT. Cryptogils-xylophenes for the treatment of green sawn timbers against wood borers, mould, blue stain and other sap stains. Lyon,1952? 27 p. 300 So122C

53951 SUOLAHTI, O. Timber preservation in Finland. Finnish Trade Rev. 70/71:154,156. Sept.1952. 286.8 F495

53952 VERRALL, A. F. Fungus infections, what to do about them. Wood & Wood Prod. 58(4):36,75. Apr. 1953. 99.82 W856

53953 WALKER, R. E. Oil impregnation of Douglas fir using a pressure reduction and an oil-water treatment. (Abs.) Iowa State Col. J. Sci. 27:273-274. Jan. 1953. 470 Io9

FOREST PRODUCTS

53954 COZZO, D. Laboratorio de Productos Forestales. Chacra 23(268):22-23. Mar.1953. 9 C34
Of the U. S. Forest Service.

53955 LENHART, T. J. Elaboración de maderas con desperdicios. Mensajero Forest. 101:12-14. Feb.1953. 99.8 M522

53956 MEYER, K. S. The utilisation of wood wastes. Wood [London] 18:100-102. Mar.1953. 99.82 W855

53957 NAIR, K. R. Statistical methods in forest products research. Indian Forester 79:87-91. Feb.1953. 99.8 In2

53958 PEARSON, F. G. O., and RICHARDS, E. G. Utilization of young plantation timbers. Q. J. Forestry 47:107-115. Apr.1953. 99.8 Q2
From thinning operations.

53959 RISØR, V. E. Hårdttræè orientering [Hardwood orientation]. København,Teknologisk Instituts Forlag, 1952. 96 p. Ref. 99.31 R49

53960 RITTER, E. J. Holz im wettbewerb — die technische seite des problems. Holz-Zentbl. 79:239-240. Feb.21,1953. 99.81 H742

Lumber and Rough Products

53961 BEEDER, R. H. Santa Fe cross tie life exceeds 30 years average. Cross Tie B. 34(4):9-12. Apr. 1953. 99.82 C87

53962 ELSNER, W. Die brennstoffkosten in energieanlagen. Holzwirt. Jahrb. 1953:161-170. 99.83 H742

53963 GRISON, R. Un essai de grande envergure: la modernisation du stockage et de la manutention des bois. Rev. du Bois 8(3):16-19. Mar.1953. 99.82 R32

53964 HOLOPAINEN, V. Eräiden suomen kaupunkien halkojen hankinta-alueet; markkinatieteellinen tutkimus. The firewood supply areas of Finnish towns. Market research. Acta Forest. Fenn. 59(1),255 p. 1950,pub.1952. 99.9 F492
English summary.

53965 LEE, R. Ozark pine posts find use in North. Mo. Col. Farmer 45:8,15. Oct.1952. 6 M691

53966 MCCLAY, T. A. Comparative stumpage prices for small pine saw timber and pulpwood. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 16,7 p. Apr.1952. 1.9622 S4St2

53967 MAYHEW, B. A. The grading job. South. Lumber J. 57(4):28,30. Apr.1953. 99.81 So8
Work of Southern Pine Inspection Bureau.

53968 MEYER-BRENKEN. Begriff und aushaltung von kiefernwertholz. Holzwirt. Jahrb. 1953:72-80. 99.83 H742

53969 OLBERG, A. Uber die veröffentlichung von rundholzverkaufserlösen. Holz-Zentbl. 79:460. Mar.31, 1953. 99.81 H742

53970 PARKS, W. H. Second growth Douglas fir log quality classes. Timberman 54(6):76,78,80. Apr.1953. 99.81 T484

53971 REID, W., HOLLINGSWORTH, B. C., and WILSON, H. H. The use of timber in mining. Forestry 25:92-103. 1952. 99.8 F767

53972 TOKER, R. Untersuchungen über die eigenschaften des eukalyptusholzes (E. rostrata) mit rücksicht auf die verwendbarkeit als grubenholz. (In Turkish.) Istanbul. U. Orman Fakül. Dergisi (ser. A)2:126-152. 1952. 99.9 Is72
German summary.

53973 WALDBAUER, H. Um die rundholzverkaufsverfahren. Holz-Zentbl. 79:395. Mar.19,1953. 99.81 H742

Building Construction

53974 AARON, J. R. Some aspects of the industrial use of wood with special reference to water cooling towers. Oxford U. Forest Soc. J. (ser.4)1:30-33. 1953. 99.9 Ox2

53975 ANZENBERGER, H. Die österreichische holzhausindustrie exportiert vorfabrizierte schulen. Internatl. Holzmarkt 5:29-30. Mar.14,1953. 99.81 In82

53976 BESWICK, R. M. Timber buildings in Canada. T. D. A. Q. Rev. 3(8):12,15. Jan.1953. 99.9 T48T

53977 ELMENDORF, A. 2-purpose panel, a new use for low-grade lumber. South. Lumber J. 57(4):38,108. Apr.1953. 99.81 So8
Roofing.

53978 MEIER, H., and SCHAEFER, G. Holz im schiffbau. Holzwirt. Jahrb. 1953:81-88. 99.83 H742

53979 POOLE, J. R. M. An experimental plywood grain silo. T. D. A. Q. Rev. 3(8):1-4. Jan.1953. 99.9 T48T

53980 WOODS, R. P. Timbers for marine construction. T. D. A. Q. Rev. 3(8):7,9. Jan.1953. 99.9 T48T

Veneers, Plywood and Adhesives

53981 ARKHANGEL'SKII, V. D. On the interaction of wood and synthetic resins. (In Russian.) Derevopererabatyvaîushchaía i Lesokhim. Promysh. 2(2):16-17. Feb.1953. 99.82 D44
In gluing.

53982 ARNOLDT, W. Wissenswertes aus dem kauritleimgebiet. VI. Holztechnik 33:77-78. Feb.1953. 99.82 H745

53983 ARNOLDT, W. Wissenswertes aus dem kauritleimgebiet. VII. Holztechnik 33:129-130. Mar.1953. 99.82 H745

53984 BAILEY, N. Veneer and plywood. 26. Plywood panels with honeycomb cores. Wood Working Digest 55: 139-142,146,148,150-152. Mar.1953. 99.82 W87

53985 BERGIN, E. G. The significance of wood failure in glued joints. Canad. Woodworker 53(3):43,58. Mar.1953. 99.82 C162

53986 BETHEL, J. S., and HADER, R. J. Hardwood veneer drying. Canad. Woodworker 53(3):35,37,76. Mar. 1953. 99.82 C162

53987 BETHEL, J. S., and HADER, R. J. Hardwood veneer drying. II. Canad. Woodworker 53(2):39-40,55, 57. Feb.1953. 99.82 C162

53988 BLAIN, R. Laminated poles and cross-arms. Telephony 144(16):15,36. Apr.18,1953. 335.8 T23

53989 BLANKENSTEIN, C. Der technische stand der deutschen furnier- und sperrholzerzeugung. Holz-Zentbl. 79:338-340. Mar.14,1953. 99.81 H742

53990 BOOTH, F. L. Small plants can edge glue with electronic equipment. Veneers & Plywood 47(3):26,28-29. Mar.1953. 99.82 V55

53991 CONNELLY, H. H. Helps for poor bonding in cold gluing. Veneers & Plywood 47(3):30. Mar.1953. 99.82 V55

53992 CONNELLY, H. H. Quality veneer production. Wood Working Digest 55(4):139-142,144,146,148-150. Apr.1953. 99.82 W87

53993 DACRE, J. C. A note on the shear-strength values of some New Zealand plywoods. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:257-259. Jan.1953. 514 N48B

53994 DACRE, J. C. Some aspects of veneer and plywood manufacture with particular reference to conditions in New Zealand. Empire Forestry Rev. 32:44-48. Mar.1953. 99.8 Em72

53995 EGNER, K. Grundlagen der leimung tragender holzbauteile. Holzwirt. Jahrb. 1953:107-116. 99.83 H742

53996 ENGELS, K. Beleimung der späne, das kernproblem der spanplattenfabrikation. Holz 7:55-60. Mar. 1953. 99.82 H743

53997 ENZENSBERGER, W. Die bedeutung der leimkosten in der holzverarbeitenden industrie. Holz 7:53-55. Mar.1953. 99.82 H743

53998 FISCHER, A. Die vorbereitung der furniere. Holz-Zentbl. 79:349. Mar.14,1953. 99.81 H742

53999 GOTO, T., and KADITA, S. Filling urea resin adhesives with calcined plaster. (In Japanese.) Wood Res. 8:83-95. Ref. Mar.1952. 99.82 W8524

54000 GRAHAM, P. H. Electronic gluing and electronic gluing adhesives. Wood Working Digest 55:51-56, 58,60,62,64,66-71. Mar.1953. 99.82 W87

54001 HEPTING, G. H., ROTH, E. R., and LUXFORD, R. F. The significance of the discolorations in yellow-poplar veneers [Liriodendron tulipifera]. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1375,rev.,8 p. Dec.1952. 1.9 F761R

54002 HYLER, J. E. Aspects of veneer clipping dimensioning widely varied. Veneers & Plywood 47(3):12, 32-35. Mar.1953. 99.82 V55

54003 HYLER, J. E. Glues and gluing. 9. South. Lumberman 186(2328):55-56,58. Apr.1,1953. 99.81 So82

54004 HYLER, J. E. Glues and gluing. 10. South. Lumberman 186(2329):81-82,84. Apr.15,1953. 99.81 So82

54005 KEYLWERTH, R. Furnier-trocknungsversuche Holz als Roh- u. Werkst. 11:11-17. Jan.1953. 99.81 H74

54006 KOLLMANN, F. Herstellung und eigenschaften von holzspanplatten der Norddeutschen Homogenholzgesellschaft m.b.H., Triangel. Holz als Roh- u. Werkst. 10: 463-468. Dec.1952. 99.81 H74

54007 MARIAN, J. E., and FICKLER, H. H. Die leime in der holzindustrie. Eigenschaften, vorbereitung und anwendung der gebräuchlichsten leimtypen. Holz als Roh- u. Werkst. 11:18-27,37-40. Ref. Jan.1953. 99.81 H74

54008 MARIAN, J. E., and FICKLER, H. H. Lim för trä [Glue for wood]. Svenska Träforskinst. Trätek. Meddel. 43 B,16 p. Ref. 1953. 99.9 St6

54009 MONCEY, M. A. La menuiserie étanche "Regos". Bois et Scieries 29:185-187. Feb.12,1953. 99.81 B632

54010 NODZU, R., GOTO, R., and KOZAI, Y. Studies on adhesion for woods. III-IV. (In Japanese.) Wood Res. 8:13-27. Mar.1952. 99.82 W8524
III, by R. Nodzu, R Goto, and Y. Kozai; IV, by R. Goto, and Y. Kozai.
English summary.

54011 PERRY, T. D. Veneer and plywood machinery. 1. Preparing logs for veneer cutting. Wood Working Digest 55:125-128,130-135. Mar.1953. 99.82 W87

54012 POLETIKA, N. V. Elevated temperature and high frequency glue. South. Lumberman 186(2329):86,88, 90. Apr.15,1953. 99.81 So82

54013 SAKS, E. V. Die furnier- und sperrholzindustrie in Kanada. Holz-Zentbl. 79:344. Mar.14,1953. 99.81 H742

54014 SCHONHERR, H. Lieferbedingungen der bundesbahn für sperrholz und holzfaserhartplatten. Holz-Zentbl. 79:405-406. Mar.21,1953. 99.81 H742

Furniture

54015 GIBSON, G. B. Current trends in furniture finishing and finishes. Canad. Woodworker 53(3):62,64-65. Mar.1953. 99.82 C162

54016 HOLCOMBE, R. A. Surface checking in furniture panels. Furniture Mfg. 73(4):14-18,58. Apr.1953. 300.8 F982

54017 HOLLINGER, J. R. Use of toners in furniture finishing. Wood Working Digest 55(4):109-110,114-115. Apr.1953. 99.82 W87

54018 KEEFE, J. Good wood—good furniture. Mo. Conserv. 14(4):6-7. Apr.1953. 279.8 M69

54019 LESSER, D. Ultraviolet light absorbers in furniture lacquers. Amer. Paint J. 37(29):76-78. Apr.6, 1953. 306.8 Am32
Wood discoloration.

54020 MANSELL, R. Cabinet finishing problems. Furniture Mfg. 73(4):46-49. Apr.1953. 300.8 F982

Containers

54021 CELADA, G. On light packaging for horticultural products. (In Italian.) Indus. del Legno 4:40-41. Nov.1952. 99.82 In2
Crates.

54022 MORRIS, A. V. Timber and box making industries in South Australia. Austral. Timber J. 18:840, 842,845-846,848,850. Nov.1952. 99.81 Au7

54023 TICKLE, C. G. Boxboards from Britain's softwood forests. Wooden Box & Crate 15(2):22,56. Mar./Apr.1953. 99.82 W857
From thinnings.

Pulp and Paper

54024 AHLEN, L., and SAMUELSON, O. Determination of methanol and ethanol in sulfite waste liquor. (In Swedish.) Svensk Papperstidn. 56:81-84. Ref. Feb.15, 1953. 302.8 Sv2
English summary.

54025 ANDERSON, M. S., and MCKNIGHT, G. S. Sulphate formation in sulphite pulping. Tappi 36:151-153. Apr.1953. 302.8 T162

54026 BARNES, E. T. A recent investigation of variables in zinc hydrosulphite bleaching of groundwood. Canad. Pulp & Paper Indus. 6(4):126,128,130,132,134,137-138. Apr.1953. 302.8 W52

54027 BHAT, R. V., and ROY, D. P. Indigenous cellulosic raw materials for the production of pulp, paper and board. XII. Chemical pulps and writing and printing papers from ulla grass (Themeda arundinacea, Ridley). Indian Forester 79:25-35. Jan.1953. 99.8 In2

54028 BHAT, R. V., and JASPAL, N. S. Indigenous cellulosic raw materials for the production of pulp, paper and board. XIII. Chemical pulps and writing and printing papers from Trema orientalis, Blume. Indian Forester 79:69-76. Feb.1953. 99.8 In2

54029 BJORKQVIST, K. J., JORGENSEN, L., and MAGNUSSON, F. Aspects on the determination of lignin in semichemical pulps. (In Swedish.) Svensk Papperstidn. 56:33-37. Ref. Jan.31,1953. 302.8 Sv2
English summary.

54030 BLAGOJEVIĆ, D. Le bois de hêtre comme matière première pour la fabrication de cellulose. (In Serbo-Croatian.) Sumarstvo 6:1-10. Jan./Feb.1953. 99.8 Su63
French summary.

54031 BOROVOI, V. IA. Paper industry of the Hungarian People's Republic. (In Russian.) Bumazhnaia Promysh. 28(2):30. Ref. Feb.1953. 302.8 B88

54032 BROWN, K. J., and MCGOVERN, J. N. High-yield cold soda pulps and products from several woods. Paper Indus. 35:66-69. Apr.1953. 302.8 P1923

54033 CANADIAN PULP AND PAPER ASSOCIATION. Canada's pulp and paper industry in 1952. Canad. Pulp & Paper Indus. 6(4),178 p. Apr.1953. 302.8 W52

54034 CARTER, C. J. Jack ladder haul-up. Thunder Bay Timber Oper. Assoc. Log Book 4(6):8-9. Mar./Apr. 1953. 99.9 T42
For hauling pulpwood from water to mill.

54035 COOK, H. D. The aquapulper and beatapulper, a performance report. Pulp & Paper Mag. Canada 54(4): 108-116. Mar.1953. 302.8 P96

54036 COOK, H. D. Beating; an old angle. Tappi 36 (2):135A-138A. Feb.1953. 302.8 T162

54037 DEREVIAGINA, V. P., and TALMUD, S. L. On resin difficulties in the pulp and paper industry. (In Russian.) Kolloid. Zhur. 15:20-23. Jan./Feb.1953. 385 K83

54038 ENKVIST, T. The chemistry of the sulphate cellulose process. (In Finnish.) Suomen Kemistilehti .A 25:77-87. Ref. 1952. 385 Su7

54039 EVEREST, D. C. Availability of materials and supplies in 1953. South. Pulp & Paper Mfr. 16(3):82,84, 108,111. Mar.10,1953. 302.8 So8

54040 FREEMAN, H., and BOADWAY, J. D. New methods for the removal of solids and gases from liquid suspensions with particular reference to pulp stock conditioning. Pulp & Paper Mag. Canada 54(4):102-107. Mar.1953. 302.8 P96

54041 GRANAT, S. S. Control-measuring devices and automatic equipment in pulp and paper manufacture. (In Russian.) Bumazhnaîa Promysh. 28(2):10-14. Feb. 1953. 302.8 B88

54042 GRANT, J. Non-conventional pulping methods. Paper-Maker & Brit. Paper Trade J. 125:210,212,214-215. Ref. Mar.1953. 302.8 P1922

54043 GRIFFIN, A. E. The Southern paper and pulp industry. Paint Indus. Mag. 68(3):17-18. Mar.1953. 306.8 D84

54044 HOLEKAMP, J. A. The preparation, handling, and transportation of pulpwood east of the Rockies. Tappi 36(2):139A-144A. Feb.1953. 302.8 T162

54045 HOW DO you tell our story? Unit 46:29-42. Jan.1953. 99.9 Un34
Panel discussion, with papers by J. R. Orr, J. G. Burns, M. R. Frierson, and C. W. Robertson.
Includes discussion.
Public relations in the pulp and paper industry.

54046 ISTAS, J. R., and HONTOY, J. Composition chimique et valeur papetiére de quelques espéces de bambous récoltées au Congo Belge. Inst. Natl. pour l'Etude Agron. du Congo Belge. P. Sér. Tech. 41,23 p. Ref. 1952. 24 In7P

54047 JENSEN, W., and JORRI, H. Birch as pulp raw material. V. The strength properties of birch and spruce sulphite pulp mixtures. (In Swedish.) Paperi ja Puu. B 35:35-37. Feb.15,1953. 302.8 P1991
English summary.

54048 KLEINERT, T. Beitrag zur stofflichen verwertung der sulfitablaugen der zellstoff-fabrikation. Papier 7:82-87. Ref. Mar.5,1953. 302.8 P1934
English summary.

54049 KOMAROV, F. P. News in investigating the oxidation of pulp. (In Russian.) Bumazhnaîa Promysh. 28(1):6-13. Ref. Jan.1953. 302.8 B88

54050 KOROLEV, F. I. Effect of moisture of balance beams on pulp quality. (In Russian.) Bumazhnaîa Promysh. 28(2):21-23. Feb.1953. 302.8 B88

54051 MEZERIK, A. G. Paper, food for thought. Amer. Forests 59(4):16-18,48-49. Apr.1953. 99.8 F762
Raw material situation.

54052 MURDOCK, H. R. Use of chlorine dioxide for bleaching in nonintegrated paper mills. Tappi 36(2):146A-147A. Feb.1953. 302.8 T162

54053 NEUBRECH, W. L. Pulp, paper and board industry report. Paper Mill News 76(16):46,48,50-52,54, 56,58,60,62,66,68,70,72. Apr.18,1953. 302.8 P195

54054 PEDERSON, W. H. Distribution of paper and board production by major grade groups. Paper Mill News 76(16):76,78-80,82. Apr.18,1953. 302.8 P195

54055 RITCHIE, J. L. Wood pulp outlook. South. Pulp & Paper Mfr. 16(3):78,80. Mar.10,1953. 302.8 So8

54056 RÎUKHIN, N. V. Investigation of cellulose fiber by the method of electron microscopy [in paper manufacture]. (In Russian.) Bumazhnaîa Promysh. 28(1):20-22. Ref. Jan.1953. 302.8 B88

54057 ROZENBERGER, N. A. In regard to the chemistry of sulphite digestion of fir wood. (In Russian.) Bumazhnaîa Promysh. 28(1):13-19; (2):14-20. Jan.-Feb. 1953. 302.8 B88

54058 SAARNIO, J., and GUSTAFSSON, C. On the dissolving and destruction of carbohydrates during the sulphate cook. Paperi ja Puu. B. 35:65-66,78. Mar.16, 1953. 302.8 P1991

54059 SCHOEDLER, K. Verwertung der sulfitablaugen durch vergärung auf aceton-butanol mittels butylbakterien. Wchnbl. f. Papierfabrik. 81:44-46. Jan.31,1953. 302.8 W81

54060 SOUTHERN PULPWOOD CONSERVATION ASSOCIATION. Proceedings of annual meeting, Atlanta Biltmore Hotel, Atlanta, Georgia, January 20-21, 1953. Atlanta,1953. 94 p. 99.9 Un34

54061 SPERRE, A. Recent developments in pulp manufacture. (In Swedish.) Svensk Papperstidn. 56:38-45. Jan.31,1953. 302.8 Sv2

54062 TELLING our story. Unit 46:80-87. Jan.1953. 99.9 Un34
Panel discussion, with papers by R. V. Miles, Jr., and S. Smith.
Includes discussion.
Public relations in the pulp and paper industry.

54063 U. S. DEPT. OF COMMERCE. NATIONAL PRODUCTION AUTHORITY. Pulp, paper and board industry report. Annual review. U. S. Natl. Prod. Authority. Indus. Rpt. Pulp, Paper & Board 9,56 p. Mar.1953. 157.54 In26

54064 WHAT the southern pulp and paper industry is doing about its future supply of pulpwood from non-company owned lands. Unit 46:50-80. Jan.1953. 99.9 Un34
Panel discussion: Information and education, with papers by D. M. Jennings, R. A. Davis, Jr., and J. D. Nicholson; Services to landowners, with papers by H. J. Doyle, S. K. Hudson, C. H. Niederhof, and C. Jones.
Includes discussion.

54065 ZIMA, J. J. Newsprint paper in 1952. Paper Mill News 76(16):87-88,90,93-94,96,116. Apr.18,1953. 302.8 P195

Chemical Products and Distillates

54066 EDWARDS, M. V., BADHWAR, R. L., and DEY, A. C. The vegetable tanning materials of India and Burma. Indian Forest Rec. New Ser. Chem. & Minor Forest Prod. 1,191 p. 1952. 99.8 In22Ch

54067 GABRIELSON, C. O. Wood chemical industry in Sweden. (In Swedish.) Paperi ja Puu. B. 35:73-78. Mar.16,1953. 302.8 P1991
English summary.

54068 MADRID. INSTITUTO FORESTAL DE INVESTIGACIONES Y EXPERIENCIAS. Los curtientes vegetales, by A. Torner Ochoa. Madrid,1952. 133 p. Ref. 303 M26

54069 OLOVENIKOV, IU. B., and LOTSMANOVA, P. N. Wood calcium acetate powder from woodworking waste. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 2:28-29. Jan.1953. 99.82 D44

54070 ROUX, D. G. Acetyl determination methods for substituted black wattle tannins. Amer. Leather Chem. Assoc. J. 48:133-135. Ref. Mar.1953. 303.9 Am32

Naval Stores

54071 BEDENKO, V. F. On the technology of fifteen-year turpentining of pine. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 2(2):10-12. Feb. 1953. 99.82 D44

54072 CLEMENTS, R. W. Correct use of the spray gun. Nav. Stores Rev. 62(51):16-17. Mar.21,1953. 99.81 N22

54073 CLEMENTS, R. W. Training the chipper to use the bark hack. AT-FA Journal 15(5):12-13,15. Feb. 1953. 309.8 Am3

54074 GIBSON, A. J. The pine forests of the Commonwealth as a source of rosin and turpentine. III. Distillation technique. Empire Forestry Rev. 32:28-34. Mar.1953. 99.8 Em72

54075 MERGEN, F. Gum yield in longleaf pine is inherited. AT-FA Journal 15(5):14,17. Feb.1953. 309.8 Am3

54076 MERGEN, F. Gum yields in longleaf pine [Pinus palustris] are inherited. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 29,2 p. Jan.1953. 1.9622 S4R312

54077 MILOŠEVIC-BREVINAC, M. Un aperçu retrospectif des trois années du gemmage à Studenica. (In Serbo-Croatian.) Sumarstvo 5:403-407. Sept./Oct.1952. 99.8 Su63
French summary.

54078 MURTO, J. O. Mäntypuumme pihka voiteluöljyn raaka-aineena. Finnish pine resin as raw material for lubricating oil. Acta Forest. Fenn. 59(2),297 p. Ref. 1951,pub.1952. 99.9 F492
English summary.

54079 PATTON, E. L. Better gum turpentine. U. S. Agr. Res. Admin. Res. Achvt. Sheet 157(C),2 p. Mar. 1953. 1.98 R31

54080 PEJOSKI, B. Industrie européenne de térébenthine. (In Serbo-Croatian.) Sumarstvo 5:490-496. Nov./Dec.1952. 99.8 Su63
French summary.

54081 VYSOTSKII, I. V. Effectiveness of intensive method of [tree] tapping [for resin and turpentine]. (In Russian.) Derevopererabatyvaîushchaîa i Lesokhim. Promysh. 2:15-19. Jan.1953. 99.82 D44

Other Forest Products

54082 ANDERS, M. F. To burn wood efficiently choose properly designed combustion chamber. Power 97(4):90-93. Apr.1953. 290.8 P87
Wood waste as fuel.

54083 ANDERSON, A. B., and RUNCKEL, W. J. Utilization of Douglas fir branchwood in hardboard. Lumberman 80(4):134,136,139. Mar.25,1953. 99.81 W52

54084 BROWNE, F. L. Plastic or mastic coverings for exterior walls of houses. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1937,3 p. Dec.1952. 1.9 F761R

54085 CARNEIRO, A. E. Degree of moisture contained in cork waste. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 170:47-54. Dec.1952. 309.9 J96
English summary, p. vi.

54086 CLARK, W. H. D. Design and operation of furnaces for burning bark and wood. Pulp & Paper Mag. Canada 54(4):96-100. Mar.1953. 302.8 P96

54087 CLARKE, L. N. Timbers for battery separators. Austral. Commonwealth Sci. & Indus. Res. Organ. B. 271,28 p. Ref. 514 Au72B

54088 COFFIN, F. P. The use of woodwaste as fuel. Forest Notes 37:8-13. Mar.1953. 99.8 F7691

54089 ELSNER, W. Der heutige stand der sägespänevergasung und -brikettierung. Holzwirt. Jahrb. 1953:149-160. 99.83 H742

54090 EVANS, H. R. Hardboard—what process shall I use? Lumberman 80(4):129-130. Mar.25,1953. 99.81 W52

54091 FISCHER, A. Neuzeitliche holzfaser- und holzspanplatten. Holzwirt. Jahrb. 1953:130-136. 99.83 H742

54092 GINGRAS, L. P. Utilisation rationnelle du bois. Forêt Conserv. 19(3):19,31. Mar.1953. 99.8 F792
Small products made from waste wood.

54093 GRIFFITH, S. Wallboard. How it is made from Arkansas raw materials. (Abs.) Ark. Acad. Sci. Proc. 5: 12. 1952. 500 Ar42
Scrub oak and Lespedeza.

54094 GUSLER, D. L. Wood waste makes low cost power. Power Engin. 57(4):72-75,127. Apr.1953. 290.8 P88

54095 HAMMAR, I. From champagne cork to building material. (In Swedish.) Skogsägaren 29:15-18. Jan. 1953. 99.8 Sk55
Cork oak forests and cork industry in Morocco.

54096 IBBETT, W. C. The uses of sawdust in horticulture. Gt. Brit. Min. Agr. Agriculture 59:582-586. Mar.1953. 10 G79J

54097 JAGERSCHMIDT, J. Le bois carburant. Forêts de France et Action Forest. 44:10-11. Jan./Feb. 1953. 99.9 F315

54098 JOWETT, J. Some uses for thinnings. T. D. A. Q. Rev. 3(8):16-18. Jan.1953. 99.9 T48T

54099 LARSON, J. D. Yule tree farming; Illinois evergreens best for Christmas. Outdoors Ill. 18(4):22-23. Winter 1953. 279.9 IL61L

54100 LORDAT, J. DE. Le marché du liége au lendemain des adjudications d'Afrique du Nord. Forêts de France et Action Forest. 44:15,20. Jan./Feb.1953. 99.9 F315

54101 MEYNE, J. Die mannigfachen verwendungsmöglichkeiten von sperrholz, span- und faserplatten. Holz-Zentbl. 79:338-339. Mar.14,1953. 99.81 H742

54102 RITTER, E. J. Der holzspanstoff und seine herstellung im holzspanbetrieb. Holz-Zentbl. 79:361-362. Mar.14,1953. 99.81 H742

54103 SAMPAIO, J. S. The importance of handicraft in the cork activity. II. (In Portuguese.) Portugal. Junta Nac. da Cortiça. B. 170:35-40. Dec.1952. 309.9 J96
English summary, p. vi.

54104 STERN, E. G. Skid strength tests compare types of nails. Wooden Box & Crate 15(2):36-38,40-41, 43-44,46. Mar./Apr.1953. 99.82 W857

54105 WIKSTROM, J. H. Montana Christmas tree shipments down in 1952. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 117, 4 p. Feb.1953. 1.9622 N3R31

WOOD TECHNOLOGY

54106 AULIN-ERDTMAN, G. Spectrographic contributions to lignin chemistry. III. Svensk Papperstidn. 56:91-101. Ref. Feb.15,1953. 302.8 Sv2

54107 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Comparison of chlorite and chlorine holocelluloses prepared from Eucalyptus regnans F.v.M., by A. v. Koeppen, and W. E. Cohen. South Melbourne,1953. 22 p. (Its Sub-Project C.1-5, Progress Report No. 7) 99.79 Au7Is

54108 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Delignification of E. regnans wood by sodium hydroxide and sodium sulphide, by D. E. Bland, A. Batterham, and W. E. Cohen. South Melbourne,1952. 12 p. (Its Sub-Project PP. 16-1, Progress Report No. 1) 301 Au7M

54109 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Influence of the size and shape of the chip on the progress of delignification of E. regnans wood, by D. E. Bland, and A. Batterham. South Melbourne,1952. 7 p. (Its Project PP. 16, Sub-Project PP. 16-1, Progress Report No. 2) 301 Au7M

54110 BEHR, E. A., BRIGGS, D. R., and KAUFERT, F. H. Diffusion of dissolved materials through wood. J. Phys. Chem. 57:476-480. Apr.1953. 381 J822

54111 CHAPON, S., and DAVID, S. Etude de l'insaponifable de l'écorce d'aulne, Alnus glutinosa. Soc. Chim. de France. B. 3:333-334. Mar.1953. 383 P21B

54112 DAY, W. C., GOTTLIEB, S., and PELCZAR, M. J. The biological degradation of lignin. IV. The inability of Polyporus versicolor to metabolize sodium lignosulfonate. Appl. Microbiol. 1:78-81. Ref. Mar.1953. 448.3 Ap5

54113 FIEDLER, H. Uber die anwendung von p,p'-azodimethylanilin zur faserstoffanalyse. Wchnbl. f. Papierfabrik. 81:47. Jan.31,1953. 302.8 W81

54114 FOREIGN woods: Africa. (In Italian.) Indus. del Legno 4(11):42-44,46; (12):35-39. (Cont.) Nov.1952. 99.82 In2

54115 GLARBO, O. Trae [Wood]. Kobenhavn,Teknisk Forlag,1952. 156 p. 99.79 G45
Properties and uses.

54116 GRAN, G. Determination of alkoxyl groups. III. An investigation on the determination of methoxyl in carbohydrate-containing substances. Svensk Papperstidn. 56:179-180. Mar.15,1953. 302.8 Sv2

54117 GUILLEMONAT, A., and STRICH, A. Sur la constitution chimique du liège. III. L'alcoolyse alcaline du liège. Soc. Chim. de France. B. 4:378. Apr.1953. 383 P21B

54118 HILLIS, W. E. A chromatographic examination of the minor constituents of various tree zones. J. Sci. Food & Agr. 4:135-148. Ref. Mar.1953. 382 So12
Methanol extracts of bark, phloem, sapwood, and heartwood of 22 tree species.

54119 ISTAS, J. R., and RAEKELBOOM, E. L. Contribution a l'étude chimique des bois du Mayumbe. Inst. Natl. pour l'Étude Agron. du Congo Belge. P. Sér. Sci. 53, 122 p. Ref. 1952. 24 In7

54120 JAHN, E. C., HOLMBERG, C. V., and SCHUERCH, C. The chemical structure of the constituents of wood. Chem. Canada 5:65-72. Ref. Apr.1953. 381 C4236

54121 KOLLMANN, F. Die holzforschung im ausland. Holzwirt. Jahrb. 1953:181-202. Ref. 99.83 H742

54122 KOLLMANN, F. Leistungen und aufgaben der mechanisch-technologischen holzforschung in Westdeutschland. Holz als Roh- u. Werkst. 11:1-7. Jan.1953. 99.81 H74

54123 LOOMIS, T. A. Heparin-like anticoagulant action of sulfonated lignins from commercial waste sulfite liquor. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):344. Mar.1953. 442.9 F31P

54124 MARK, H. Einige fortschritte in der chemie der zellulose in Amerika. Osterr. Gesell. f. Holzforsch. Mitt. 5:6-8. Ref. Jan.1953. 99.9 Os72

54125 MEREWETHER, J. W. T. Studies on the lignin of Eucalyptus regnans F. Muell. V. Austral. J. Chem. 6: 44-52. Ref. Feb.1953. 475 Au73

54126 MONNBERG, R., ORA, A., and LEHMUSKOSKI, U. Pentamethyl phenol and duroquinone from a lignin substance. (In Swedish.) Svensk Papperstidn. 56:46-49. Ref. Jan.31,1953. 302.8 Sv2
English summary.
From sulfite waste liquor.

54127 NARAYANAMURTI, D., and HANDA, B. K. Acetyliertes holz. (gleichzeitig einführende studien über holzveredelung. VI. Papier 7:87-92. Mar.5,1953. 302.8 P1934

54128 NEW SOUTH WALES. FORESTRY COMMISSION. DIV. OF WOOD TECHNOLOGY. Annual report 1951-1952. n.p.,1952. 9 p. 99.9 N472A

54129 POT, H. F. Value of scientific research in the selection of hardwood for technical purposes. (In Dutch.) Houthandel 5:453-457. Mar.6,1953. 99.81 H81

54130 PRINCE, J. B. Canadian yellow birch important hardwood. Canada Lumberman 73(4):72-73,75. Apr. 1953. 99.81 C16

54131 RIPLEY-DUGGAN, B. A. The determination of small quantities of boron. Analyst 78:183-185. Mar.1953. 382 An1
In wood fragments.

54132 RITTER, E. J. Neuzeitliche holztechnik. Holzwirt. Jahrb. 1953:137-148. 99.83 H742

54133 SMITH, J. E., and KURTH, E. F. The chemical nature of cedar barks. Tappi 36(2):71-78. Ref. Feb. 1953. 302.8 T162
Libocedrus decurrens, Chamaecyparis lawsoniana and Thuja plicata.

54134 WACEK, A. Ligninbausteine und ligninbruchstücke. Osterr. Chem.-Ztg. 54:61-66. Mar.1953. 384 Os7

Properties and Structure

54135 APPLEQUIST, M. B. A study of the durability of native Louisiana fence post materials. LSU Forestry Notes 2, 2 p. Feb.16,1953. 99.8 L93

54136 GILLES, F. Le bois et le feu. Rev. du Bois 8(3):20-25. Mar.1953. 99.82 R32

54137 GRIFFAULT, M. P. La fibre de bois en peuplier. Bois et Scieries 59:267. Mar.5,1953. 99.81 B632

54138 HARRIS, J. M. Discontinuous growth layers in Pinus radiata. Forest Res. Inst. Forest Prod. Res. Notes 1(4):1-10. Oct.1952. 99.9 W46F

54139 KHUKHRÍANSKAÏÂ, T. P. Durability of pine wood in accordance with type of forest. (In Russian.) Lesn. Khoz. 6:57-58. Jan.1953. 99.8 L5622

54140 KONISHI, Y., and YAMAMOTO, T. Calculations of the capillary diameter in wood from the liquid absorption data. (In Japanese.) Wood Res. 8:68-73. Mar.1952. 99.82 W8524
English summary.

54141 LEFEBURE, C. Comment déterminer facilement les sections des piéces de bois soumises à la flexion. Rustica 26:293. Mar.29,1953. 14 R92

54142 LIIRI, O. On the properties and testing of wooden doors. (In Finnish.) Paperi ja Puu. B. 35:85-90, 92. Mar.16,1953. 302.8 P1991
English summary.

54143 LIMAYE, V. D. Standard terminology for describing timbers. Indian Forester 79:77-86. Feb. 1953. 99.8 In2

54144 LIPKA, W. Aenderung der hygroskopischen eigenschaften des holzes? Oder: wie vermindert man die unangenehmen folgen von quellen und schwinden? Norddeut. Holzwirt. 7(2):8. Feb.28,1953. 99.82 N75

54145 LUKIĆ, N. Une contribution à la connaissance des qualités physiques et mécaniques les plus importantes du bois de hêtre étuvé et nonétuvé. (In Serbo-Croatian.) Sumarstvo 5:511-514. Nov./Dec.1952. 99.8 Su63
French summary.

54146 MAKU, T. Heat conduction in wood. IV. (In Japanese.) Wood Res. 8:55-67. Mar.1952. 99.82 W8524
English summary.

54147 MINOR, C. O. Loblolly pine bark thickness. LSU Forestry Notes 1, 2 p. Feb.16,1953. 99.8 L93

54148 ORMAN, H. R. The holding power of staples in creosoted posts. Forest Res. Inst. Forest Prod. Res. Notes 1(4):11-17. Oct.1952. 99.9 W46F

54149 ORMAN, H. R. Physical properties of Pinus patula from Whakarewarewa and Kaingaroa State Forests. Forest Res. Inst. Forest Prod. Res. Notes 1(3):1-33. June 1952. 99.9 W46F

54150 SILVESTER, F. D. Testing prototypes. T. D. A. Q. Rev. 3(8):5. Jan.1953. 99.9 T48T

54151 TELLERUP, E. Individual differences in the shape of wood rays in Fagus sylvatica L.; a wood anatomical investigation. Denmark. Vet.- og Landbohøjsk. Årsskr. 1953:147-157. 104 D41A
Introduction and conclusion by M. Schaffalitzky de Muckadell.

54152 WILSON, M. E. Weights of indigenous timbers. Forest Res. Inst. Forest Prod. Res. Notes 1(4):18-23. Oct.1952. 99.9 W46F

54153 WILSON, T. R. C., and DROW, J. T. Fiber stresses for wood poles. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1619,14 p. Mar.1953. 1.9 F761R

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

54154 BARONTI ESCHINI, L. Faults of application and failures in artificial insemination. (In Italian.) Zootec. e Vet. 7:431-435. Oct.1952. 41.8 Z7

54155 BONADONNA, T. Observations and proposals with respect to the artificial insemination campaign in Colombia. (In Italian.) Zootec. e Vet. 8:21-28. (Cont.) Jan.1953. 41.8 Z7

54156 BONADONNA, T., and PLAZA, L. Observations on the cooling and shipping technique of semen. (In Italian.) Zootec. e Vet. 7:420-426. Oct.1952. 41.8 Z7

54157 COMITE VOOR STERILITEITSBESTRIJDING. Report of the work year 1952 by the Committee for the Control of Sterility. (In Flemish.) Vlaams Diergeneesk. Tijdschr. 22:32-44. Feb.1953. 41.8 V84
English summary.

54158 CORNEJO MERINO, M., and GOMEZ M., G. La inseminación artificial es aplicada en nuestra ganadería. Agrario 17(436):8-9,44. 1952. 9.3 Ag85
Chile.

54159 DESSELMANN, P. Brunst und ovulation im lichte der physiologie J. P. Pawlows. Thür. Kleintierzüchter 7:91. (Concl.) Mar.20,1953. 49 T42
Livestock.

54160 DIAZ MONTILLA, R. La esterilidad del ganado. B. de Divulg. Ganad. [Ciudad Real] 7(76/78):28-30. Oct./Dec.1952. 49.9 Sp14

54161 EDINBURGH. UNIVERSITY. INSTITUTE OF ANIMAL GENETICS. Quinquennial report, 1947-1951, prepared by C. H. Waddington. Edinburgh,1952. 37 p. 443.9 Ed4

54162 GFELLNER, V. Wandel in der tierzucht. Bauer 6(10):2-3. Mar.7,1953. 19 B32
Austria.

54163 GIFFORD, C. W. The future for purebreds. Farm J. 76(5):37,170-172. May 1953. 6 F2212

54164 GMELIN. Es ist nicht alles gold was glänzt; ein diskussionsbeitrag zur frage der künstlichen besamung. Bad. Landwirt. Wchnbl. 120:272-273. Mar.21, 1953. 18 B142

54165 KORKMAN, N. Crossbreeding of livestock. (In Swedish.) Svensk Jordbrforsk. 1953:129-138. 11 J763

54166 KUSHNER, KH. F. Michurinite methods of developing new breeds of animals. (In Russian.) Priroda 42:27-34. Jan.1953. 410 P933

54167 ODRIOZOLA, M. Un plan genético para la ganadería española. Asoc. Nac. de Ingen. Agrón. B. 3(34): 25-31. Jan.1953. 58.9 As5

54168 PILZ, A. Das verhalten der säugetierspermien im elektrischen feld. Z. f. Tierzücht. u. Züchtbiol. 60:315-330. Ref. Dec.1952. 442.8 Z35

54169 RAO, C. K. Differential staining of live and dead sperm. Indian Vet. J. 29:307-309. Ref. Jan.1953. 41.8 In2

54170 RAO, C. K. Negative staining of spermatozoa. Indian Vet. J. 29:303-305. Ref. Jan.1953. 41.8 In2

54171 RAO, C. K. Suitability of Leishman's, Wright's and Giemsa's stains for staining semen smears. Indian Vet. J. 29:305-307. Jan.1953. 41.8 In2

54172 ROUX, P. L'imprégnation maternelle ou télégonie. Rev. de l'Elevage 8:216-219. Mar.1953. 49 B462

54173 SCHAEFFER I., F. Algunas creencias errónas sobre reproducción—impresiones maternales, impregnación, esterilidad gemelar. Agr. del Norte 42:62-63. Mar./Apr.1952. 9.3 So14

54174 SIDDHIJAI, P. How to improve livestock of Thailand. (In Siamese.) Kasikorn 26:98-107. Jan.1953. 22.5 K15
English summary.

54175 STONAKER, H. H. Selective breeding brings new problems. Colo. Farm & Home Res. [Colo. Sta.] 3(5): 6-8,10,13-14. Jan./Feb.1953. 100 C712Co

54176 VERHOEVEN, P. Factors influencing the fertility of our domestic animals. (In Dutch.) Doelmatige Veehouderij 2:39-42. Mar.1953. 49 D67

FEEDS AND FEEDING

54177 BECKER, M. Neuere erkenntnisse auf dem gebiet der tierernährung. Futter u. Fütterung 27:204-205. Feb.1953. 389.78 F98

54178 BELL, J. M. Minerals for livestock. Saskatchewan U. Col. Agr. Ext. B. 75,8 p. Sept.1952. 7 Sa76A

54179 BIZE, J. La conservation des fourrages par l'ensilage. Elevage et Cult. 5(50):14-18. (Cont.) Feb. 1953. 24 EL2

54180 BLOHM, G. Die rentabilität der fütterung. Agrarwirtschaft 2:73-77. Mar.1953. 281.8 Ag826

54181 BOER, P. B. DE. Twenty-five years of intensive grassland utilization. IX. What means of preservation? II. (In Dutch.) Friesch Landbbl. 50:189. Mar.20, 1953. 12 F91
Silage manufacture.

54182 BOULENAZ, M. A. La leche descremada como alimento del ganado. Res 21:27875-27876. Mar.20, 1953. 286.85 R31

54183 BRETIGNIÈRE, L. L'ensilage des fourrages verts. Mach. Agr. Franç. 1:26-27,50. Jan.1952. 58.8 M184

54184 BRUGGEMANN, H. Ergänzungsfutter auf der weide—eine klarstellung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:477-478. Mar.19,1953. 18 L2346

54185 BRYANT, M. P., and others. A study of anaerobic bacteria present in grass silage. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:21-22. 1952. 448.39 So12A
J. T. Kroulik, L. A. Burkey, and H. G. Wiseman, joint authors.

54186 BURTSEV, S. I. Food waste - supplementary feed resources. (In Russian.) Kormovaîa Baza 4(2):59-60. Jan.1953. 60.8 K84
Brewery waste.

54187 CHAPPEL, C. F., and others. The influence of minerals on the digestion of low-quality roughage. Okla. Agr. Expt. Sta. Misc. P. MP-27:56-60. June 1952. 100 Ok4
R. J. Sirny, R. W. MacVicar, and C. K. Whitehair, joint authors.

54188 COATES, M. E. The mode of action of antibiotics. World's Poultry Sci. J. 9:14-16. Jan:/Mar.1953. 47.8 W89

54189 COLBORN, L. R. Vitamin A: its importance in animal feeding in East Africa. Fert. Feed. Stuffs & Farm Supplies J. 39:252-254. Apr.1,1953. 57.8 F413

54190 DAFFY, G. L'ensilage doit-il progresser. Agr. Prat. 117:74-75. Feb.1953. 14 J82

54191 DENMARK. STATENS FORSØGSVIRKSOMHED I PLANTEKULTUR. Preliminary experiments and analytical investigations of salts for silage preparation. (In Danish.) Tidsskr. f. Planteavl 56:349-353. 1953. 11 T439

54192 DERKSEN, H. J. C. How is the 1952 hay? (In Dutch.) Stichting v. de Landb. Meded. 8:30-31. Jan. 30,1953. 12 St5

54193 DONALDSON, R. W., and HARRINGTON, W. C. Trench silage—handling-storing-removing. Mass. U. Agr. Ext. Spec. C. 197,14 p. June 1952. 275.29 M38Isc

54194 DOWE, T. W. Urea as a protein extender for ruminants. Nebr. Agr. Col. Ext. E. C. 256,10 p. 1953. 275.29 N272Ex

54195 DUCKWORTH, J. Biochemistry and increased livestock production. Chem. & Indus. 15:333-336. Apr. 11,1953. 382 M31C
British research in livestock nutrition.

54196 FERRANDO, R. Le facteur "proteine animale", la vitamine B-12 et les antibiotiques dans l'alimentation des animaux domestiques. Tunisie Agr. 54:25-27. Feb. 1953. 24 T832

54197 FORET. Les problemes d'ensemble de l'alimentation du cheptel tunisien. Tunisie Agr. 54:1-13, 15-24. Jan.-Feb.1953. 24 T832

54198 GREEN, T. C. Forage grown indoors. Farmers Wk. [London] 38(15):58-59. Apr.10,1953. 10 F2226
Artificial sprouting of grain for feed in Britain and the improved cabinets for sprouting grain.

54199 HEDLIN, R. Grazing in the feed lot. Country Guide 72(4):9,48. Apr.1953. 7 G76
Grass and legume silages as feed and construction of trench silos.

54200 HERNANDEZ RUIZ, M. Estudio y planeación de los sistemas de alimentación del ganado. Crédito y Téc. Agr. 3(54):3-6. Mar.15,1953. 284.28 C864

54201 HOLDER, R. C. Fish by-products. Flour & Feed 53(11):24-25. Apr.1953. 298.8 F66

54202 HORNICH, H. Vitamine eigens zufüttern? Salzburger Bauer 8(13):15-16. Apr.2,1953. 19 Sa3

54203 HOWARD, J. Grass silage—what kind will you make? Successful Farming 51(5):44-45,106-107. May 1953. 6 Su12

54204 JACQUOT, R. Compétition alimentaire entre la mère et l'enfant-chronologie des besoins. Ann. de la Nutr. et de l'Aliment. 7:39-65. Ref. 1953. 389.8 An73
Chiefly animals.
Includes discussion.

54205 JANSSEN, P. A. Antibiotics in livestock nutrition. (In Dutch.) Boer en Tuinder 7(320):7. Apr.4,1953. 12 B632

54206 JARDAS, F. A contribution to the solution of the problem of livestock feeding on the coastal area of Krsa. (In Serbo-Croatian.) Stocarstvo 6:466-472. Oct. 1952. 43.8 St6

54207 JASPER, D. E. The nutritional basis of health and production. (Abs.) Calif. Vet. 6(4):19-20. Mar./Apr. 1953. 41.8 C12

54208 JEWELL, B. M. Long hay silage. Breeder's Gaz. 118(5):8. May 1953. 49 B74

54209 KAPELLE, D. In the maze of the silage preparation methods. (In Dutch.) Doelmatige Veehouderij 1: 51-55. Apr.1952. 49 D67

54210 KEHAR, N. D. Improving straws by alkali, water or lime treatment. Indian Farming (n.s.)2(11):14-15,22. Feb.1953. 22 In283
Cereal straws in the daily ration of livestock.

54211 KIRSCH, M. Haferfütterung. Bauer 6(13):5-6. Mar.28,1953. 19 B32

54212 KUNATH. Für grössere leistung; kälberaufzucht rindermast, schweinezucht, hühnerhaltung. Aarau, 1952. 31 p. 389.7 K964F

54213 LARUE, W. C. New methods of making silage. Prog. Farmer, Tex. Ed. 68(4):26. Apr.1953. 6 T311

54214 LOOSLI, J. K. Converting feed to human use: basic facts about farm animals as feed converters. Feeds Illus. 3(11):14-17. Nov.1952. 389.78 F326

54215 MAKAR, A. Pasturing en route. (In Serbo-Croatian.) Stočarstvo 6:456-466. (Cont.) Oct.1952. 43.8 St6

54216 MATRONE, G., and others. Deficiencies of differentially phosphate fertilized soybean forages as measured by rabbit responses. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):422-423. Mar.1953. 442.9 F31P
W. W. G. Smart, F. W. Sherwood, and G. H. Wise, joint authors.

54217 MILLS, C. F. Nutritional factors limiting increased livestock production from hills. Chem. & Indus. 15:330-333. Ref. Apr.11,1953. 382 M31C

54218 MURDOCH, J. C. Wilting, chopping and lacerating. Dairy Farmer [Ipswich] 26(4):21. Apr.1953. 44.8 D1414
Silage preparation.

54219 NEHRING, K. Die gärfutterbereitung. Deut. Bauern Kal. 1953:150-152. 18 D4826
Russian Zone of Germany.

54220 NEHRING, K. Lehrbuch der tierernährung und futtermittelkunde. Ed. 3. Radebeul,Neumann,1953. 415 p. 389.7 N31

54221 NEHRING, K. Probleme der eiweissforschung in der tierernährung. Deut. Akad. der Landwirtwiss. Sitzber. 1(11),27 p. Ref. 1952. 18 D4825

54222 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. DEPT. OF ANIMAL HUSBANDRY. Feeding and breeding tests with sheep, swine, and beef cattle; progress report: 1951-52. Report at 26th Annual Livestock Feeders' Day, April 19, 1952. Okla. Agr. Expt. Sta. Misc. P. MP-27,105 p. June 1952. 100 Ok4

54223 PATERSON, R. Silage does not mean fuss. Farmer & Stock-Breeder 67(3310):49-50. Mar.31,1953. 10 F228

54224 POLHEIM, P. VON, and DIETRICH, H. Uber die veränderlichkeit des carotins in luzernegrünmehl. Futter u. Fütterung 28:213-216. Mar.1953. 389.78 F98

54225 PORTERFIELD, I. D. Mineral mixtures for livestock. Grain & Feed J. Consolidated 110(7):34-35. Apr.8,1953. 298.8 G762

54226 RENZ, F. Mineralstoffe sind wichtige bestandteile des futters. Allgäuer Bauernbl. 21:142-143. Mar.5, 1953. 18 AL53
Nutritive value.

54227 RODON, J. M. Los nuevos antibióticos. Cult. Mod. 36:9-10. Jan.1953. 15 C89
Descriptions and use for livestock.

54228 RODON, J. M. Preparación de alimentos para el ganado. Cult. Mod. 36(2):45-46. Feb.1953. 15 C89

54229 ROUART, S. Quelques observations sur l'ensilage et l'engraissement du bétail. Rev. Agr. de l'Afrique du Nord 51:145-147. Feb.6,1953. 80 R326

54230 RYDÅ, K. Root crop growing and livestock farming. (In Swedish.) Mjölkpropagandan 30:32. Feb. 1953. 44.8 M692
Root crops as feed.

54231 SAKOWICZ, S., and KOCOŁ, L. Aquatic plants as a source of food for livestock. (In Polish.) Rocz. Nauk Roln. 65:273-292. Ref. 1952. 20.5 R59
English summary.

54232 SANTOLALLA, N. R. El racionamiento complementario de proteínas y sustancias minerales. Mensajero Agr. 78:35-37. Dec.1952. 9.8 M52
Feed in Peru.

54233 SCHMIDT. Der zuckerrübenanbau—eine stütze der futterwirtschaft im landwirtschaftlichen betrieb (Extr.) Württemb. Wchnbl. f. Landwirt. 120:304-305. Mar.21,1953. 18 W96
Use of sugar beet products as feed.

54234 SCHNEIDER, B. H., LUCAS, H. L., and BEESON, K. C. Nutrient composition: corn in the United States. J. Agr. & Food Chem. 1:172-177. Apr.15,1953. 381 J8223
Feed value.

54235 SCHUE. Gedanken zum problem der nährstoffergänzungsträger. Deut. Pelztierzüchter 27:32-33. Feb. 25,1953. 412.628 D48

54236 SHEEHY, E. J. Those proteins, minerals and vitamins. Agr. Ireland 10:87-88. Apr.1953. 10.5 Ag8
In animal nutrition.

54237 SILIN, V. N. Seno i ego znachenie dlîa zhivotnovodstva SSSR [Hay and its importance in animal husbandry of U.S.S.R.]. Moskva,"Znanie",1952. 29 p. (Vsesoîûznoe Obshchestvo po Rasprostraneniiu Politicheskikh i Nauchnykh Znanîĭ, Moscow [Broshîûry-Stenogrammy Lektsiĭ] Seriîa 3, 32) 389.7 Si32

54238 SMITH, H. Let's review our silagas information. East. States Coop. 29(4):16-17. Apr.1953. 280.28 Ea7
Sulfur dioxide for silage preservation.

54239 SOLLEDER, W. Luzerneheumehl—eine wichtige eiweissquelle. Württemb. Wchnbl. f. Landwirt. 120: 363-364. Apr.4,1953. 18 W96

54240 SPERLING, L. Antibiotica und verwandte stoffe in der ernährung der landwirtschaftlichen nutztiere. Futter u. Fütterung 27:201-204. Feb.1953. 389.78 F98

54241 SVANBERG, O. Cobalt requirements of livestock. (In Swedish.) Svensk Jordbrforsk. 1953:139-146. 11 J763

54242 SZEMBER, A. The silage from potatoes and its microflora. (In Polish.) Acta. Microbiol. Polon. 1: 339-359. Ref. 1952. 448.3 Ac82
English summary.

54243 TALLARICO, G. Mechanical drying of forage plants. (In Italian.) B. dell'Agr. 87(7):1-2. Feb.13,1953. 16 B87
Value of hay.

54244 TEIXEIRA E SILVA, H. D. M. Technology of production and value of protein feeds of animal origin. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):39. 41.9 So13
Includes fish products.

54245 TIEMANN. Einsäuerungsversuche mit zuckerrüben. Deut. Landwirt.-Gesell. Mitt. 68:226. Mar.5,1953. 18 N39

54246 TINZ, G. Siloverfahren zur natürlichen frischhaltung von sauermilchtrockenquark. Molk.-Ztg. 7:277-278. Mar.12,1953. 44.8 M735

54247 UDALL, R. H., and MCCAY, C. M. The feed value of fresh bone. J. Nutr. 49:197-208. Ref. Feb.10, 1953. 389.8 J82

54248 THE USE of antibiotics in animal feedingstuffs. Vet. Rec. 65:199-201. Mar.28,1953. 41.8 V641

54249 USUELLI, F., and others. New research on tocopherols: interdependence with and substitution by the progesterones, organotropic action in inanition, and effect on fat distribution. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1674-1677. Aug./Oct.1952. 442.8 So12
G. Piana, M. Carbonini, and A. D'Agostino Barbaro, joint authors.

54250 VACHEL, J. P. Les antibiotiques dans l'alimentation des animaux. Rev. de l'Elevage 8:306-307. (Cont.) Apr.1953. 49 B462

54251 VILLANUA, L., and CLAVERO, C. Semillas de tomate (su uso como pienso forrajero, composición química). An. de Bromatología 4:381-388. Ref. 1952. 389.8 An1
English summary.

54252 VOGEL, H. Inflation in beifuttermitteln? Landwirt. Wchnbl. 143:391. Mar.28,1953. 18 L2338

54253 WILLIAMS, W. L., ESPOSITO, R. G., and STOKSTAD, E. L. R. Comparison of chick and microbiological methods for assay of penicillin in feeds. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):290-291. Mar.1953. 442.9 F31P

54254 WINTERS, R. N. Utilization of sugar beet tops. Calif. Sugar Beet 1952:46-47. 66.9 C12
Feed.

54255 WOHLBIER, W., and PALMEDO, H. Der futterwert der schlempe. Branntweinwirtschaft 75:66-68. Feb.25,1953. 390.8 B7322

54256 WOLL, F. W. La harina de coco en la alimentación del ganado. Soc. Antioqueña de Agr. B. Agr. 394: 3875-3876. Feb.1953. 9.4 So1

54257 WRIGHT, N. C. Research for plenty. 5. All flesh is grass. Gt. Brit. Min. Agr. Agriculture 59:559-563. Mar.1953. 10 G79J
Grazing in livestock production.

VETERINARY MEDICINE

54258 AMERICAN VETERINARY MEDICAL ASSOCIATION. Proceedings, eighty-ninth annual meeting, June 23, 24, 25, 26, 1952, Atlantic City, New Jersey. n.p.,1953. 582 p. 41.9 Un3
Includes television broadcasts.

54259 ARCES, P. J. D'. Le Centre de Recherches Vétérinaires d'Algérie. Rec. de Méd. Vet. 129:34-41. Jan. 1953. 41.8 R24

54260 ARMISTEAD, W. W. Shock in small animal surgery. M. S. C. Veterinarian 13:79-84. Ref. Winter 1953. 41.8 M582

54261 BAGEDDA, G. Some hormonal and neuropsychic aspects in veterinary gynaecology. (In Italian.) Zootec. e Vet. 7:396-408. Oct.1952. 41.8 Z7

54262 BAIRACLI-LEVY, J. DE. Herbal handbook for farm and stable. London,Faber and Faber,1952. 274 p. 41 B16H

54263 BAUCH, M. Das Burow-verfahren, ein stück geschichte der wissenschaftlichen und praktischen veterinärmedizin. Tierärztl. Umschau 8:84-88. Ref. Mar. 1953. 41.8 T445

54264 BAUM, M. D. Veterinary civil defense and public health. Amer. Vet. Med. Assoc. Proc. 89:379-380. 1952,pub.1953. 41.9 Un3
includes discussion.

54265 BELLER, K., and TOMPPERT, H. Das stuttgarter tuberkulinisierungsbesteck. Tierärztl. Umschau 8:82-84. Mar.1953. 41.8 T445

54266 BERGE, T. O., and LENNETTE, E. H. World distribution of Q fever: human, animal and arthropod infection. Amer. J. Hyg. 57:125-143. Ref. Mar.1953. 449.8 Am3

54267 BERGSMA, D. Special skills needed in public health. Amer. Vet. Med. Assoc. Proc. 89:375. 1952,pub. 1953. 41.9 Un3

54268 BETHCKE, H. J. Beitrag zum vorkommen von S. newport in der bakteriologischen fleischuntersuchung. Tierärztl. Umschau 8:91-92. Mar.1953. 41.8 T445

54269 BISCHOFF, U. Untersuchungen über den leberegelbefall im Kreise Marburg/Lahn. (Sum.) Giessen,1952. 22 p. Ref. 41.2 B542
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

54270 BLOOD, B. D. International veterinary medical programs. Amer. Vet. Med. Assoc. Proc. 89:423-428. 1952,pub.1953. 41.9 Un3

54271 BLOOD, B. D. The veterinary medical profession in the Americas, its size and distribution. Amer. Vet. Med. Assoc. J. 122:266-268. Apr.1953. 41.8 Am3

54272 BORTS, I. H. What do you know about undulant fever? Successful Farming 51(4):27-28. Apr.1953. 6 Su12
Symptoms and new treatments.

54273 BOUCKAERT, J. H. Inflammation and treatment of inflammation. (In Flemish.) Vlaams Diergeneesk Tijdschr. 22:21-31. Ref. Feb.1953. 41.8 V84
English summary.

54274 BOWER, C. W. The role of the examining board. Amer. Vet. Med. Assoc. Proc. 89:543-544. 1952, pub.1953. 41.9 Un3
Veterinary medicine practice.

54275 BRAZAO, L. N. Tuberculosis in domestic animals and its relation to tuberculosis in man. (In Portuguese.) Med. Vet. (ser.10)20:9-23. Jan./Mar.1953. 41.8 M464
From Imprensa Medica.

54276 BRIDGER, R. Nature's censure. Estate Mag. 53:93-95. Mar.1953. 10 Es8
Physical laws behind foot-and mouth disease.

54277 BRION, A. Une maladie humaine d'origine animale, la fièvre du Queensland. Rev. de l'Elevage 8: 226-227. Mar.1953. 49 B462

54278 BRITISH VETERINARY ASSOCIATION. Laboratory aids to clinical diagnosis. Natl. Vet. Med. Assoc. Gt. Brit. and Ireland. P. 21,64 p. June 1952. 41.9 N217

54279 BROMEE-SKUNCKE, F. Uber zahnentwicklung und zahnabnutzung beim rentier, verglichen mit denen bei einigen anderen cerviden; studien an skandinavischen zahm- und wildrentieren. Arkiv f. Zool. (n.s.)4:1-43. Ref. 1952. 410.9 Sv22

54280 BRUNAUD, M., and DUSSARDIER, M. Etudes sur la motricité des estomacs des ruminants. I. Réseau et rumen. Rec. de Méd. Vét. 129:137-154. Mar.1953. 41.8 R24

54281 BUCHANAN, M. L., and EVELETH, D. F. Record of research in veterinary science. N. Dak. Agr. Expt. Sta. Bimon. B. 15:170-176. Mar./Apr.1953. 100 N813B
Publications of the Veterinary Department of North Dakota Agricultural College.

54282 BULL, L. B. Untoward effects of some pasture plants on the grazing animal. Austral. Vet. J. 29:2-7. Ref. Jan.1953. 41.8 Au72

54283 BURRISS, J. T. How can the State society most effectively organize and function in the program of civil defense? Amer. Vet. Med. Assoc. Proc. 89:565-567. 1952,pub.1953. 41.9 Un3

54284 CAMARGO, F., and others. La stomatite vesiculeuse; son importance dans le problème d'éradication de la fièvre aphteuse. Zooprofilassi 8:1-6,9-12,15-19. Jan.1953. 41.8 Z72
C. Ruiz Martinez, A. Tellez-Giron, and V. Zavagli, joint authors.
English summary.

54285 CAMENZIND, T. Geburten im stall. Ed. 6. Graz,Stocker,1952. 96 p. 41 C14

54286 CARTER, G. R., and BYRNE, J. L. A serological study of the hemorrhagic septicemia Pasteurella. Cornell Vet. 43:223-230. Ref. Apr.1953. 41.8 C81
P. multocida in animals of Canada.

54287 CHAMBERLAYNE, E. C. Activities of veterinarians in the field of food control in Canada and South America. Amer. Vet. Med. Assoc. Proc. 89:370-373. 1952,pub.1953. 41.9 Un3

54288 CHILDS, T. Foot-and-mouth disease in Saskatchewan, 1951-1952. Amer. Vet. Med. Assoc. Proc. 89:554-558. 1952,pub.1953. 41.9 Un3

54289 CHILEAN IODINE EDUCATIONAL BUR. Iodine for animal health. London,1952. 44 p. 389.7 C43

54290 CIFERRI, R. Molybdenum in animals and plants. (In Italian.) Italia Agr. 90:158-159. Feb.1953. 16 It1

54291 CLAUDE, D. La fièvre aphteuse. Nature [Paris] 3215:87-88. Mar.1953. 473 N21

54292 COHRS, P., SCHULTE, F., and SCHNEIDER, B. Die pathologischen veränderungen der nach infektion mit dem maul- und klauenseuche-virus abgestorbenen hühnerembryonen. Monatsch. f. Tierheilk. 5:45-49. (Cont.) 1953. 41.8 M74

54293 CROSS, B. A. Sympathetico-adrenal inhibition of the neurohypophysial milk-ejection mechanism. J. Endocrinol. 9:7-18. Ref. Jan.1953. 448.8 J8293
Animals.

54294 DALGAARD-MIKKELSEN, S. Problems in regard to toxicity of economic poisons. (In Danish.) (Sum.) Tolvmandsbladet 25:103. Apr.1953. 11 T58
To livestock.

54295 DALLING, SIR T. The international control plan for foot-and-mouth disease. Farming News & No. Brit. Agr. 105(spec.no):23. Jan.1,1953. 10 N82

54296 DASQUE, G. La vaccination généralisée contre la fièvre aphteuse. Porc 24(2):37-38. Feb.1953. 46.8 P22

54297 DASZKIEWICZ, I. M., and WRONSKI, E. The differentiation of S and R phases in Brucella abortus. (In Polish.) Acta. Microbiol. Polon. 1:302-311. Ref. 1952. 448.3 Ac82
English summary.

54298 DAVIS, D. E. Shipment of laboratory specimens. Speculum 6(2):20. Winter 1953. 41.8 Sp3
Livestock.

54299 DEAN, J. O. An administrative review of veterinary public health and food sanitation. Amer. Vet. Med. Assoc. Proc. 89:365-370. Ref. 1952,pub.1953. 41.9 Un3

54300 DELAN, H. La caroube-utilisation; les farines dans le traitement des entérites diarrhéiques des jeunes animaux. Paris,Foulon,1952. 56 p. 41.2 D374
Thèse - École Nationale Vétérinaire, Alfort.

54301 DIAS, A. S. Rabies. (In Portuguese.) Gaz. do Agr. 5(44):9. Jan.1953. 24 G25
Mozambique.

54302 DOBBERSTEIN, J. Die volkswirtschaftliche bedeutung der erkrankungen unserer haustiere. Deut. Akad. der Landwirtwiss. Sitzber. 1(2),17 p. 1952. 18 D4825

54303 DOMAN, I. Observations on the Voldagsen-paratyphoid. (In Hungarian.) Magyar Allat. Lapja 8:54-57. Feb.1953. 41.8 V644

54304 DOSS, M. A. The Index-Catalogue of Medical and Veterinary Zoology. Med. Libr. Assoc. B. 41:110-113 Apr.1953. 243.9 M46

54305 DRAGONAS, P. Un peu d'histoire—mesures sanitaires à Zante en 1816. Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 8:226-229. Oct./Dec.1952. 41.9 So18
French summary.

54306 EADS, F. E. Streptomycin and chloramphenicol. Amer. Vet. Med. Assoc. Proc. 89:360-362. Ref. 1952,pub.1953. 41.9 Un3
Therapeutic use.

54307 FABREGAS, H. Stockmen should be alert against impostors. (In Portuguese.) Lav. e Criação 7(45):42., Dec.1952. 49 L392
Livestock disease treatment.

54308 FAGAN, R. Rabies, and epidemiological analysis. Amer. Vet. Med. Assoc. Proc. 89:394-407. Ref. 1952,pub.1953. 41.9 Un3

54309 FARRAG, H., ZAKI, R., and HINDAWI, M. R. E. Pneumonia in camels. Brit. Vet. J. 109:119-122. Mar. 1953. 41.8 V643

54310 FELCOURT, E. DE. La vaccination contre la fièvre aphteuse obligatoire. Agr. Prat. 117:124-125. Mar.1953. 14 J82
France.

54311 FENNER, F. Classification of myxoma and fibroma viruses. Nature [London] 171:562-563. Ref. Mar.28,1953. 472 N21
Including livestock.

54312 FINELLE, P. Traitement et chimioprévention des trypanosomoses animales. Paris,Foulon,1952. 80 p. Ref. 41.2 F492
Thèse - École Nationale Vétérinaire, Alfort.

54313 FISHER, L. E., and DEVITA, J. Television broadcast—a method of pinning for chronic dislocation of the hip joint. Amer. Vet. Med. Assoc. Proc. 89:191-192. 1952,pub.1953. 41.9 Un3

54314 FREEMAN, A. BAI veterinarians at Beltsville. Speculum 6(2):10-11,44,46,49. Winter 1953. 41.8 Sp3
Research.

54315 GAULIER, C. Observations cliniques sur l'emploi de l'auréomycine en médecine vétérinaire. Rec. de Méd. Vét. 129:167-179. Mar.1953. 41.8 R24

54316 GEYER, H. G. Report of unusual occurrences of anthrax and control measures adopted. Amer. Vet. Med. Assoc. Proc. 89:568-571. 1952,pub.1953. 41.9 Un3

54317 GLEISER, C. A. The Armed Forces Institute of Pathology and its relation to veterinary medicine. Amer. Vet. Med. Assoc. J. 122:269-271. Apr.1953. 41.8 Am3

54318 GOCHENOUR, W. S., and YAGER, R. H. Classification of North American Leptospiras. Amer. Vet. Med. Assoc. Proc. 89:178-184. Ref. 1952,pub. 1953. 41.9 Un3
Includes discussion.

54319 GOLDSMITH, M. Foot and mouth disease. So. African J. Sci. 49:219-220. Feb.1953. 515 So84

54320 GOLDSMITH, M. A virus is imprisoned. Good Husb. 3(5):14. Jan.1953. 24 G59
Foot and mouth disease virus for vaccines.

54321 GOODING, C. L. Precautionary measures taken in the United States since the outbreak occurred in Saskatchewan. Amer. Vet. Med. Assoc. Proc. 89:562-563. 1952,pub.1953. 41.9 Un3
Foot-and-mouth disease.

54322 GÖTZE, R. Dammrissnaht, plastik der vulva und des scheidenvorhofes bei stuten und kühen. Ed. 4, rev. and enl. Hannover,Schaper,1952. 52 p. 41 G71D

54323 GRAF, J. Der veterinarklinische unterricht in Berlin vor 125 jahren. Giessen,1952. 35 p. 41.2 G755
Inaug.-Diss.-Justus Liebig-Hochschule, Giessen.

54324 GT. BRIT. PARLIAMENT. PARLIAMENTARY AND SCIENTIFIC COMMITTEE. Minutes of a meeting of the general committee, May 20, 1952. London?1952. 11 p. 330.9 G793
Discussion on control of foot-and-mouth disease, by I. Galloway, T. Bakker, and J. N. Ritchie.

54325 GRIST, E. A. A secretary's viewpoint. Amer. Vet. Med. Assoc. Proc. 89:531-533. 1952,pub.1953. 41.9 Un3
Veterinary medicine practice.

54326 GRONDAHL, C. R. The 1951-52 outbreak of rabies in North Dakota. N. Dak. Agr. Expt. Sta. Bimon. B. 15:139-145. Mar./Apr.1953. 100 N813B

54327 HAAS, K. B. Three little words. Speculum 6(2):21,56. Winter 1953. 41.8 Sp3
Veterinary medicine as an occupation.

54328 HAGAN, W. A. What is needed for adequate preparedness in the United States? Amer. Vet. Med. Assoc. Proc. 89:563-565. 1952,pub.1953. 41.9 Un3
Foot-and-mouth disease.

54329 HANCOCK, R. C. G. Memoirs of a veterinary surgeon. London,Macgiggon & Kee,1952. 224 p. 120 H192

54330 HENDERSHOTT, R. A. Report of special United States Livestock Sanitary Association Committee on anthrax. Amer. Vet. Med. Assoc. Proc. 89:574-580. 1952,pub.1953. 41.9 Un3
Includes reports by W. Bailey, O. Sussman, Geyer, M. H. Gandy, and Greenlee.

54331 HENDRIKSE, D. Liver fluke disease. (In Dutch.) Doelmatige Veehouderij 1:120-123. Aug.1952. 49 D67

54332 HOBART, F. G. Modern veterinary medicaments. 2. Trypanocides. Mfg. Chem. 24:97-98. Mar. 1953. 396.8 M31

54333 HOERLEIN, B. F. Pathological conditions of the spinal cord in domestic animals. II. Auburn Vet. 9: 93-98,116. Ref. Winter 1953. 41.8 Au1

54334 HOLLIS, R. H. Penicillin and the importance of blood concentrations. Amer. Vet. Med. Assoc. Proc. 89:352-356. 1952,pub.1953. 41.9 Un3

54335 HOSKINS, H. P. What editors can do. Amer. Vet. Med. Assoc. Proc. 89:533-534. 1952,pub.1953. 41.9 Un3
Veterinary medicine practice.

54336 HUDSON, N. Bezoar. Vet. Rec. 65:171-174. Mar.14,1953. 41.8 V641
History of use of calculi from alimentary organs of animals as poison antidotes.

54337 HUET, J. P. Emploi thérapeutique des sulfamides irrésorbables. Paris,Foulon,1952. 54 p. Ref. 41.2 H875
Thèse - École Nationale Vétérinaire, Alfort.

54338 JAPAN. BUR. OF ANIMAL INDUSTRY. The 19th report on statistics of animal hygiene. Tokyo,1952. 98 p. 41.9 J274A

54339 JOHNSON, L. E. Cardiac resuscitation. Amer. Vet. Med. Assoc. Proc. 89:185-187. Ref. 1952,pub.1953. 41.9 Un3

54340 KAPLAN, M. M. L'epidemiologie de la rage. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 8:193-199. Oct./Dec.1952. 41.9 So18
French Summary.

54341 KENDRICK, J. W. An outbreak of bovine trichomoniasis in a group of bulls used for artificial insemination. Cornell Vet. 43:231-240. Apr.1953. 41.8 C81

54342 KESTER, W. O. Modern military veterinary medicine. Mil. Surg. 112:243-245. Apr.1953. 448.8 M59

54343 KLUSSENDORF, R. C. Bacitracin and terramycin. Amer. Vet. Med. Assoc. Proc. 89:356-358. Ref. 1952,pub.1953. 41.9 Un3
Therapeutic use.

54344 KON, S. K. The nutritional significance of the gut flora. Voeding 14:137-150. Ref. Feb.15,1953. 389.8 V85
Ruminants and other animals.
Includes discussion by A. C. Frazer.

54345 KRULL, W. H., and MAPES, C. R. Studies on the biology of Dicrocoelium dendriticum (Rudolphi, 1819) Looss, 1899 (Trematoda: Dicrocoeliidae), including its relation to the intermediate host, Cionella lubrica (Müller). VIII. The cottontail rabbit, Sylvilagus floridanus mearnsi, as a definitive host. Cornell Vet. 43:199-202. Apr.1953. 41.8 C81

54346 LAGRANGE, W. E., MCCAHON, J. V., and LITTLE, R. B. Leptospirosis in farm animals. Amer. Vet. Med. Assoc. Proc. 89:90-96. 1952,pub.1953. 41.9 Un3
Includes discussion by R. H. Yager.

54347 LEMPEREUR, M. Anomalies et affections congénitales et héréditaires de la région oculaire chez les animaux domestiques. Paris,Foulon,1952. 87 p. Ref. 41.2 L548
Thèse - École Nationale Vétérinaire, Alfort.

54348 LERCHE, M. Aufgaben der veterinärmedizin für die öffentliche hygiene. Berlin. u. Münch. Tierärztl. Wchnschr. 66:85-88. Mar.15,1953. 41.8 B45

54349 LOVELL, R. Iceland, some of the disease problems. Brit. Vet. J. 109:106-110. Ref. Mar.1953. 41.8 V643

54350 LUCAS, A., and others. Etudes des réactions aspécifiques et des réactions spécifiques dans les maladies infectieuses à allure lente. 2. Rec. de Méd. Vét. 128:477-491. Aug.1952. 41.8 R24
G. Bouley, A. Paraf, and C. Quinchon, joint authors.

54351 MCBEE, R. H. The fermentative capacities of the rumen microflora. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:17. 1952. 448.39 So12A

54352 MCBEE, R. H. Manometric method for the evaluation of microbial activity of rumen with application to utilization of cellulose and hemicelluloses. Appl. Microbiol. 1:106-110. Mar.1953. 448.3 Ap5

54353 MCNELLIS, R. Veterinary inspection of foods for theArmed Forces. Amer. Vet. Med. Assoc. Proc. 89: 373-375. 1952,pub.1953. 41.9 Un3

54354 MADDEN, A. G. Good public relations can contribute. Amer. Vet. Med. Assoc. Proc. 89:534-536. 1952,pub.1953. 41.9 Un3
Veterinary medicine practice.

54355 MAGUIRE, T. J. Report on veterinary service in Dun Laoghaire Borough during 1951. Irish Vet. J. 7:30-31. Feb.1953. 41.8 Ir4

54356 MALAGA-ALBA, A. Rabies in the United States-Mexican border area. Amer. Vet. Med. Assoc. Proc. 89:409-411. 1952,pub.1953. 41.9 Un3

54357 MANTOVANI, A. Provocative active immunity with modified ultravirus. (In Italian.) Croce Azzurra 4:5-11. Jan./Feb.1953. 41.8 C87

54358 MATHER, G. W., NAHAS, G. G., and HEMINGWAY, A. Angiostomy cannulae for the study of pulmonary circulation. Soc. Expt. Biol. & Med. Proc. 82:309-311. Feb.1953. 442.9 So1

54359 MICHELSEN, E., and THIESEN, K. S. Serviceability of the complement-fixation method for type differentiation during an epizootic of foot-and-mouth disease. (In Danish.) Nord. Vetmed. 5:221-231. Mar.1953. 41.8 N813
English summary.

54360 MICHON, G. Évaluation du pourcentage des graisses animales dans les mélanges par dosage de l'acide iso-oléique. Maisons-Alfort,Au Manuscrit,1952. 53 p. Ref., 386.2 M582
Thèse - École Nationale Vétérinaire, Alfort.

54361 MILLAR, J. A. S., and JENNY, J. Television broadcast—demonstration of the application of the nonpadded plaster of paris and Schroeder-Thomas splint. Amer. Vet. Med. Assoc. Proc. 89:218-219. 1952,pub. 1953. 41.9 Un3

54362 MUNDT, W. Ein beitrag zum studium der lebens- und vermehrungsfähigkeit von Trichomonas foetus ausserhalb des tierkörpers. Tierärztl. Umschau 8:73-77. Ref. Mar.1953. 41.8 T445

54363 MUNOZ, J., SCHUCHARDT, L. F., and VERWEY, W. F. Factors influencing the standardization of Clostridium perfringens type D bacterin. Amer. Vet. Med. Assoc. Proc. 89:104-109. 1952,pub.1953. 41.9 Un3
Includes discussion.

54364 MUSSEMEIER, F. Grundsätzliches zur tierseuchenbekämpfung. Deut. Akad. der Lanwirtwiss. Sitzber. 1(10),19 p. 1952. 18 D4825

54365 NEMESERI, L. Epidemiology of trichinellosis. (In Hungarian.) Magyar Allat. Lapja 8:49-53. Ref. Feb. 1953. 41.8 V644

54366 NEWMAN, L. F. Some notes on the folk-lore and history of veterinary science. Roy. Army Vet. Corps. J. 24:10-13. (Cont.) Mar.1953. 41.8 G79

54367 NORD, S. D. Anticoagulants in veterinary medicine. Vet. Med. 48:132-134. Ref. Apr.1953. 41.8 M69

54368 NORDIO, C. B. The blood picture of the mother and of the fetus at birth in the case of anemia from onions. (In Italian.) Soc. Ital. di Biol. Sper. B. 28: 1704-1705. Aug./Oct.1952. 442.8 So12

54369 NOSIK, A. F. In regard to the epizootiology and diagnosis of the most important Cestoda infestations in domestic animals. (In Russian.) Zool. Zhur. 31:849-854. Nov./Dec.1952. 410 R92

54370 PAYNE, L. C. A handbook of veterinary endocrinology. Minneapolis,Burgess Pub. Co.,1953. 41 p. 444 P29

54371 PHARMACEUTICAL SOCIETY OF GT. BRIT., LONDON. Antibiotics: a survey of their properties and uses. Ed. 2. London,Pharmaceutical Press,1952. 290 p. 396 P493
Includes use in veterinary practice.

54372 PIANA, C. Rumenectomy (technical note). (In Italian.) Zootec. e Vet. 8:11-18. Jan.1953. 41.8 Z7

54373 PRICE, E. W. The fluke situation in American ruminants. J. Parasitol. 39:119-134. Ref. Apr.1953. 448.8 J824

54374 PROTIN, P. Le louping-ill et sa transmission à l'homme. Maisons-Alfort,Au Manuscrit,1952. 50 p. 41.2 P943
Thèse - École Nationale Vétérinaire, Alfort.

54375 PUNTONI, V. Actinomycetes in human and veterinary pathology. (In Italian.) Zooprofilassi 8:20-21, 24-28. Jan.1953. 41.8 Z72

54376 RAMON, G. Control of foot-and-mouth disease: need of an international covenant for co-operation and mutual assistance (conclusion to a series of studies). Off. Internatl. des Epiz. B. 39:271-276. Mar./Apr.1953. 41.8 Of2

54377 RAMON, G. A propos de fièvre aphteuse et de grippe; essais de virologie comparée. Acad. Natl. de Méd. B. (ser.3)137:123-128. Ref. Feb.1953. 448.9 P21

54378 ROHRER, H. Auf dem wege zur verhütung der maul- und klauenseuche. Deut. Akad. der Landwirtwiss. Sitzber. 1(9),16 p. 1952. 18 D4825

54379 RUST, J. H., MONROE, R. A., and LOTZ, W. E. Venoclysis by catheterization: some pathologic observations. Cornell Vet. 43:193-198. Apr.1953. 41.8 C81

54380 SALOMON, L. Action des antibiotiques sur les ultravirus. Rec. de Méd. Vet. 129:73-85. Ref. Feb.1953. 41.8 R24

54381 SCHEIDY, S. F. Tyrothricin and aureomycin. Amer. Vet. Med. Assoc. Proc. 89:358-360. Ref. 1952, pub.1953. 41.9 Un3
Therapeutic use.

54382 SCHRØDER, K. C. How do infectious diseases start? (In Danish.) Husmandshjemmet 3(10):5. Mar.10, 1953. 11 H963
Livestock diseases.

54383 SEIBOLD, H. R. White muscle disease. Auburn Vet. 9:110-113. Winter 1953. 41.8 Au1

54384 SHAHAN, M. S. Foot-and-mouth disease, a threat to the United States. Washington,U. S. Bur. Anim. Indus.,1952. 11 p. 1.972 A2F732
Presented before the Joint Session of the Engineering, Epidemiology, Food and Nutrition and Laboratory Sections on Oct. 23, 1952.

54385 SILVA, C. G. DA. Veterinary medicine and social welfare. (In Portuguese.) Rev. Mil. de Remonta e Vet. 12:81-82. Apr./Sept.1952. 41.8 R3219

54386 SILVA-GOYTIA, R., and ELIZONDO, A. Estudios sobre fiebre manchada en Mexico. III. Estudio por medio de fijación de complemento de sueros de ciertos animales domésticos de la Comarca Lagunera. Medicina 33:76-83. Ref. Feb.25,1953. 448.8 M4693
English summary.

54387 SIMMS, B. T. Controlling, eradication, and preventing transmissible diseases. Washing,U. S. D. A., Off. Sec.,1952. 9 p. 1.972 A2Si4
Talk at the Inter-American Meeting on Recent Advances in Animal Production at Bauru, Brazil, Dec. 15, 1952.

54388 SIMMS, B. T., HELVIG, R. J., and HARVEY, J. L. Discussion of anthrax by representatives of Federal agencies. Amer. Vet. Med. Assoc. Proc. 89:571-574. 1952,pub.1953. 41.9 Un3

54389 SNYDER, R. C. How ethics committees can help. Amer. Vet. Med. Assoc. Proc. 89:536-539. 1952, pub.1953. 41.9 Un3
Veterinary medicine practice.

54390 SOUTHERN RHODESIA. DIRECTOR OF VETERINARY SERV. Report for the year ending 30th September, 1951. Salisbury?1952. 41.9 So82

54391 SPAIS, A. La derniére grande épizootie de fiévre aphteuse en Gréce. (In Greek.) Hellen. Ktenia-trikes Hetaireias. Delt. Ser. B. 8:208-225. Oct./Dec. 1952. 41.9 So18
French summary.

54392 STAFSETH, H. J. The place of the veterinarian in food control. Amer. Vet. Med. Assoc. Proc. 89: 378. 1952,pub.1953. 41.9 Un3

54393 STEPHENSON, H. C., ed. Veterinary drug encyclopedia and therapeutic index; a listing of new veterinary drugs, biologicals and foods of American manufacturers. New York,Drug P.,1953. 141 p. 41 St49

54394 SWEDEN. OVERFALTVETERINAREN. Veterinärvard vid armén ar [Service vétérinaire à l'armée en], 1951. Stockholm,1953. 18 p. 257.3 Ov2
Table of contents also in French.

54395 THOMPSON, C. A. A large and small animal hospital. Amer. Vet. Med. Assoc. J. 122:260-265. Apr. 1953. 41.8 Am3

54396 TOPONARY, F. The use of polytricin in the veterinary medicine. (In Hungarian.) Magyar Allat. Lapja 8:57-58. Feb.1953. 41.8 V644

54397 U. S. BUR. OF ANIMAL INDUSTRY. Incidence of rabies in the United States calendar year 1952. Washington,1953. 4 p. 1.972 A2In2

54398 U. S. BUR. OF ANIMAL INDUSTRY. Notice to laboratories, research institutions and individuals studying animal diseases; permit required to import or transport interstate restricted animal disease organisms and vectors. Washington,1952. 2 p. 1.972 A2N84

54399 U. S. BUR. OF ANIMAL INDUSTRY. Raw garbage spreads animal diseases. Washington,1953. 3 p. 1.972 A2R19

54400 U. S. LIVESTOCK SANITARY ASSOCIATION. Conference on Anthrax and Foot-and-Mouth Disease, June 26, 1952. Amer. Vet. Med. Assoc. Proc. 89:552-580. 1952,pub.1953. 41.9 Un3
Federal Civil Defense Administration and American Veterinary Medical Association cooperating.

54401 VITAL disease research facilities. Colo. Farm & Home Res. [Colo. Sta.] 3(5):12-13. Jan./Feb.1953. 100 C712Co
Veterinary research plant at Colorado Agricultural and Mechanical College.

54402 VOCINO, G. Antibiotics as growth factors for animals. (In Italian.) Croce Azzurra 4:29-32. Jan./Feb. 1953. 41.8 C87

54403 WELLS, K. F. Procedures followed in containing and eradicating the outbreak. Amer. Vet. Med. Assoc. Proc. 89:558-562. 1952,pub.1953. 41.9 Un3
Foot-and-mouth disease in Canada.

54404 WESSEL, F. Erfahrungen mit dem traubenzuckerbalsam dextromon in der kleintierpraxis. Tierärztl. Umschau 8:92-93. Mar.1953. 41.8 T445

54405 WEST, R. L. Diagnosis in veterinary medicine. M. S. C. Veterinarian 13:85-90,93. Winter 1953. 41.8 M582

54406 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. DEPT. OF VETERINARY SCIENCE. Leptospirosis. Wis. Agr. Col. Ext. C. 436,2 p. Dec.1952. 275.29 W75C

54407 WITTER, R. E. A blood bank for surgical patients. Amer. Vet. Med. Assoc. Proc. 89:336-337. 1952,pub.1953. 41.9 Un3

54408 WOLFF, A. H. Biological effects of radiation. Amer. Vet. Med. Assoc. Proc. 89:419-423. 1952,pub. 1953. 41.9 Un3

54409 YAGER, R. H., and GOCHENOUR, W. S. Current problems in the field of leptospirosis. Amer. J. Pub. Health 43:411-414. Ref. Apr.1953. 449.9 Am3J

54410 YODER, W. D., and MERCHANT, I. A. Antigenic typing of Pasteurella multocida by using chicken embryo vaccine in mice. Amer. Vet. Med. Assoc. Proc. 89:109-111. 1952,pub.1953. 41.9 Un3

54411 YOUNG, K. S. Texas wildlife rabies, its epidemiology and control, 1946 through 1951. Amer. Vet. Med. Assoc. Proc. 89:416-419. 1952,pub.1953. 41.9 Un3
Includes discussion.

54412 ZIMMERMANN, A. Uber die elastischen fasern der aorta. Acta. Vet. 3:81-89. Ref. 1953. 41.8 Ac83

54413 ZORN, W. Naturheilverfahren in der landwirtschaftlichen tierzucht. In Saller, K., ed. Gesundes land, gesundes leben, p.133-143. Munchen,Pflaum,1953. 33.27 Sa3

MISCELLANEOUS

54414 ANTHONY, D. J. Humane slaughter by aid of carbon dioxide anaesthesia. Brit. Vet. J. 109:110-113. Mar.1953. 41.8 V643

54415 ASKRY, K. Livestock in Pakistan: the way ahead. Livestock Wk. 7(21):15,44,50,54. Mar.26,1953. 49 L753

54416 BLYTHE, R. H. Slaughter methods in Great Britain. Meat Trades' J. 149:777,779. Mar.26,1953. 50.8 M46

54417 BONADONNA, T. Caqueta, the promised land. (In Italian.) Zootec. e Vet. 8:2-10. Jan.1953. 41.8 Z7
Includes livestock in this area of Colombia.

54418 BUCHANAN, M. L. Report of research in Animal Husbandry. N. Dak. Agr. Expt. Sta. Bimon. B. 15: 118-123. Jan./Feb.1953. 100 N813B
Animal Husbandry Department of the North Dakota Agricultural Experiment Station.

54419 CHAPMAN, P. W., and DINSMORE, W. Livestock farming. Atlanta,T. E. Smith,1953. 503 p. 40 C362

54420 DAVIDSON, H. R. Scientists throw the ball to breeders. Farmer & Stock-Breeder 67(3310):61-62. Mar. 31,1953. 10 F228
Progeny tests in livestock improvement.

54421 FEUNTEUN, L. M. L'élevage en Afrique Occidentale Française. Cour. Agr. 17(25):3. Dec.17,1952. 24 C83

54422 JORDANO BAREA, D. La clasificación decimal zootecnica. B. de Zootec. 8:381-384. (Cont.) Dec. 1,1952. 41.9 So16

54423 KOCH, W. Gesunde tierhaltung als grundlage unserer ernährung. In Saller, K., ed. Gesundes land, gesundes leben, p.116-122. Munchen,Pflaum,1953. 33.27 Sa3

54424 LANGDON-DAVIES, P. G. Proposed reform of law of liability for animals. Land Agents' Soc. J. 52: 156-158. Apr.1953. 282.9 L22
Agricultural.

54425 LEBRET, P. Transport des animaux domestiques par mer. Maisons-Alfort,Au Manuscrit,1952. Ref. 51 p. 40 L493
Thèse - École Nationale Vétérinaire, Alfort.

54426 MILLER, W. C., and ROBERTSON, E. D. S. Practical animal husbandry. Ed. 6, rev. and enl. Edinburgh,Oliver and Boyd,1952. 607 p. 40 M612

54427 NORRISH, R. J. Livestock conservation—a must for efficient animal production. Tex. Livestock J. 12(2):110,112,114,116. Feb.1953. 49 T29

54428 OHL, R. Erfolgreiche tierzucht durch naturgemässe haltung. Berlin,Deutscher Bauernverlag,1952. 351 p. Ref. 40 Oh42

54429 PHILLIPS, R. W. Problemas fundamentales de la producción pecuaria y mejora de los ganados. Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):26-37. 41.9 So13

54430 PROSKURA, A. Pastures (enclosures) for livestock from the point of view of production of manure and sanitation. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(16):11-15. Dec.1952. 21.5 V87

54431 RIBEIRO, J. A. The national dairy industry and the II. Inter-American Reunion of Animal Production. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:35-38. Feb.1953. 44.8 B634

54432 RIBEIRO, J. A. II. Inter-American Reunion of Animal Production. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6(54):3-7. Jan.1953. 44.8 B634

54433 SAMVIRKENDE JYDSKE HUSMANDSFORENINGER. HUSDYRBRUGSUDVALGET. Beretning om husdyrbrugsarbejdet i De Samvirkende Jydske Husmandsforeninger, 1951-52 [Report on the animal husbandry work of the National Federation of Smallholders in Jutland, 1951-52]. Århus,1953. 118 p. 43.9 Sa42

54434 SOUZA, R. S. DE. Army farms. (In Portuguese.) Rev. Mil. de Remonta e Vet. 12:79-80. Apr./Sept. 1952. 41.8 R3219
Livestock farms in Brazil.

54435 TIQUET-REMONT, R. "La Revue de l'Elevage" en Allemagne. Rev. de l'Elevage 8:220-225,308-312. Mar.-Apr.1953. 49 B462

CATTLE

Breeds and Breeding

54436 ADLER, H. C., and RASBECH, N. O. Studies on the effect of antibiotics upon the fertility of bull semen. 3. Comparison between 1000 and 5000 γg dihydrostreptomycin sulphate/ml. diluter, with special reference to the employment of semen from vibrio fetus-transmitting bulls. (In Danish.) Nord. Vetmed. 5:211-220. Mar.1953. 41.8 N813
English summary.

54437 AMERICAN GUERNSEY CATTLE CLUB. The performance register, volume VI; data from January 1, 1952 to January 1, 1953. Concord,N. H.,1953. 558 p. 43.9 Am33P

54438 ASSIS, F. DE P. Plan of work for selection of "butterfat" type of milk producers. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):16. 41.9 So13

54439 AUSTRALIAN JERSEY HERD SOCIETY. Jersey stud book of Australia, vol. XXXIX, 1952. Sydney, 1952. 704 p. 43.9 Au7

54440 BARBARAY, R. Évolution de la race bovine Normande. Maisons-Alfort,Au Manuscrit,1952. 43 p. 43 B232
Thèse - École Nationale Vétérinaire, Alfort.

54441 BECK, D. The climax to 75 years of breed history. Farming News & No. Brit. Agr. 105(spec.no):50-52. Jan.1,1953. 10 N82
Ayrshire cattle.

54442 BELIC, M. In what directions should cattle breeding develop in the Serbian People's Republic? (In Serbo-Croatian.) Stočarstvo 6:473-477. Oct.1952. 43.8 St6

54443 BIRATH, B. Control of heat and mating. (In Swedish.) Lantbrtidskr. f. Dalarna 1:35-38. Feb.1953. 11 L29
Cattle.

54444 BIRATH, B. Observations on recruiting in the barn. (In Swedish.) Lantbrtidskr. f. Dalarna 1:33-35. Feb.1953. 11 L29
Breeding and purchase of cattle.

54445 BOECKLI, J. Brown Swiss in the Pacific Northwest. Brown Swiss B. 31(10):11-12,59. Apr.1953. 43.8 B81

54446 BOLEY, L. E. Data on physiology of reproduction. Fort Dodge Bio-Chem. Rev. 23(2):25-26. 1953. 41.8 F772
Artificial insemination of cattle.

54447 BONADONNA, T. Introduction into Italy? The Zebu for meat and milk production. (In Italian.) Italia Agr. 90:145-157. Feb.1953. 16 It1

54448 BONDE, N. Cattle herds under the supervisions of the joint breeding associations and the Association of Agricultural Associations of Jutland. (In Danish.) Jydsk Landbr. 35:175-178. Mar.12,1953. 11 J99

54449 BONDE, N. Progeny testing of bulls in Jutland. (In Danish.) Jydsk Landbr. 35:141-145. Feb.26,1953. 11 J99

54450 BRANTON, C., and others. Pasture versus dry lot feeding for dairy bulls in artificial breeding. J. Dairy Sci. 36:199-204. Ref. Mar.1953. 44.8 J822
T. E. Patrick, M. H. Newsom, and G.d'Arensbourg, joint authors.

54451 BRIQUET, R. Advantages of hybridizing dairy cattle. (In Portuguese.) Lavoura 56:38. Nov./Dec.1952. 9.2 L39

54452 CANADIAN SHORTHORN ASSOCIATION. The Canadian Shorthorn herdbook, v. 61, pt. 2. Guelph,Ont., 1952. 421 p. 43.9 D71

54453 CARON, A. E. Nécessité du contrôle de production. Digeste de l'Eleveur 7(6):19-22. Feb.1953. 49 D56
Milk production of Jersey cattle.

54454 CHAMBERS, D., and WHATLEY, J. A. Influence of breed of bull on the calving performance of two-year-old Hereford heifers. Okla. Agr. Expt. Sta. Misc. P. MP-27:36-38. June 1952. 100 Ok4

54455 CHARLET, P. Le choix des reproducteurs. Rev. de l'Elevage 8(spec.no.Vache Lait.):33,35,37,39,41, 43,45,47,49. 1953. 49 B462
Dairy cattle.

54456 CHARLET, P. Methods of selection in the breeding of dual purpose Normandy cattle. Guernsey Breeders' J. [London] (n.s.)7:19-22,24. Spring 1953. 43.8 G932

54457 CLINTON COUNTY (N. Y.) ARTIFICIAL BREEDING COOPERATIVE. Statement of financial condition, July 1, 1952. Mooers Forks?N. Y.,1952. 1 p. 43.9 C61

54458 COUTTS, J. B. Is the old breed as good as it was? Farming News & No. Brit. Agr. 105(spec.no):75. Jan.1,1953. 10 N82
Highland cattle.

54459 COWAN, W. A. When evaluating a proved bull. Hoard's Dairyman 98:352-353. Apr.10,1953. 44.8 H65

54460 DOMINGUES, O. Objectives of improvement of breeds of cattle and Zebus raised in Brazil. (In Portuguese.) Rev. de Agr. [Piracicaba] 28:39-42. Jan./Feb. 1953. 9.2 R324

54461 EASTERBROOKS, H. L., and PLASTRIDGE, W. N. The treatment of certain types of sterility in cattle with the hormone, ECP. Amer. Vet. Med. Assoc. J. 122:287-288. Apr.1953. 41.8 Am3

54462 FINE, H. Brangus cattle in Nebraska. Nebr. Farmer 95(7):7. Apr.4,1953. 6 N27

54463 FRIEND, T. J. C. Secrets of Britain's highest yielding herd. Brit. Farmer 58:5. Apr.1953. 281.8 B77

54464 GALLOWAY CATTLE SOCIETY OF GT. BRIT. AND IRELAND. The Galloway herd book, containing pedigrees of pure-bred Galloway cattle, v. 73. Dumfries, Courier Press,1953. unpaged. 43.9 G13H

54465 GAYOT. L'insemination artificielle dans le département d'Alger. Elevage et Cult. 5(50):7-8. Feb.1953. 24 EL2
Cattle.

54466 GOMIEN CACERES, R. La raza bovina Normanda. 2. Agrario 17(436):58-61. 1952. 9.3 Ag85
In Chile.

54467 GUZDER, P. J. The Brown Swiss cross with Indian cattle. Allahabad Farmer 26:191-201. Ref. Nov. 1952. 22 AL5

54468 HABU, Y. On the animal breeding in Japan—breeding plans of Japanese breed of cattle. (In Japanese.) Biol. Sci. 4:172-175. Dec.1952. 442.8 B5264

54469 HAGEDOORN, A. L. Do we really want two for the price of one? Farmers Wk. [London] 38(13):76-77. Mar.27,1953. 10 F2226
Multi-purpose and single purpose breeds of cattle and other livestock.

54470 HARRISON, J. Dairy Shorthorns. Farming News & No. Brit. Agr. 105(spec.no):48. Jan.1,1953. 10 N82

54471 HART, D. H. A look at British Friesians. Holstein-Friesian J. 16:21-22,30. Apr.1953. 43.8 H743

54472 HELLER, P. Artificial breeding results are given. C. M. P. A. Bulletin 35(403):9. Mar.1953. 44.9 C768
Cattle.

54473 HERNANDEZ ROA, A. Cebu cubano, descendiente de ganado procedente de Brasil y la India. Rev. Ganad. [Habana] 13(3):50-52,64. Mar.1953. 49 R321

54474 HIGHLAND CATTLE SOCIETY OF SCOTLAND. The Highland herd book containing the pedigrees of Highland cattle, volume XXX. Glasgow,1953. 99 p. 43.9 H53

54475 HIGNETT, P. G. Infertility in dairy cattle. Brit. Dairy Farmers' Assoc. J. 56:5-25. 1952. 44.9 B77

54476 HOGG, W. A.-A. [Aberdeen-Angus] breed's year of record prices. Farming News & No. Brit. Agr. 105(spec.no):29-30. Jan.1,1953. 10 N82

54477 HORN, P. East Texas: Hereford frontier. Tex. Hereford 2(7):28-29,32-33. Feb.1953. 43.8 T31

54478 HUSTON, K. A., and others. A systematic procedure for estimating bull fertility from non-return data. J. Dairy Sci. 36:260-267. Mar.1953. 44.8 J822
K. J. Arnold, E. E. Heizer, and N. D. Bayley, joint authors.

54479 JOHANSSON, I. Artificial insemination as a breeding method. (In Swedish.) Mjölkpropagandan 30:65-66. Mar.1953. 44.8 M692
Dairy cattle.

54480 JORDÃO, L. P. Data on the behavior of Holstein-Friesian, Red Pied Holstein and Flemish cattle breeds in São Paulo. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952.(spec.no.):15. 41.9 So13

54481 JORDAO, L. P. Management and results obtained with Caracu cattle of the National Cattle Selection Center. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):14. 41.9 So13

54482 JORDÃO, L. P. Origin and formation of Caracu cattle. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952.(spec.no.):19. 41.9 So13

54483 JORDÃO, L. P. Origin, formation and data on National Polled cattle. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):12. 41.9 So13

54484 KANSAS. AGRICULTURAL EXPERIMENT STATION. FORT HAYS BR. Beef cattle breeding and feeding investigations, 1951-52. Kans. Agr. Expt. Sta. C. 292,21 p. Nov.1952. 100 K13S

54485 KIENER, A. L'exploitation du taureau. Almanach Agr. de la Suisse Romande 91:83-88,90-91. 1953. 30.3 AL6

54486 KIHLSTROM, J. E. On the movements of isolated sperm heads in bull semen. Arkiv f. Zool. 4:141-142. 1952. 410.9 Sv22

54487 KINGSTON, D. H. Your herd and progress. Guernsey Breeders' J. [Peterborough] 87:1287-1289,1320. Apr.15,1953. 43.8 G93
Chiefly breeding.

54488 KISSILEFF, A. A new instrument for artificial insemination of cattle. Fert. & Sterility 4:149-157. Mar./Apr.1953. 448.8 F41

54489 KULP, R. Disposition of Milking Shorthorns. Milking Shorthorn J. 34(4):24-25. Apr.1953. 43.8 M59

54490 KUMARAN, J. D. S. Artificial inseminations at Karnal. Indian Farming (n.s.)2(10):10-11,32. Jan.1953. 22 In283
Cattle.

54491 LARSON, B. L., and SALISBURY, G. W. The reactive reducing components of semen; the presence of sulfite in bovine semen. J. Biol. Chem. 201:601-608. Ref. Apr.1953. 381 J824

54492 LE BARS, H. La reproduction. Rev. de l'Elevage 8(spec.no.Vache Lait.):7,9,11,13,15,17,19,21,23. 1953. 49 B462
Cattle.

54493 MCCALLUM, J. W. Jerseys mean real quality. Farming News & No. Brit. Agr. 105(spec.no):49. Jan.1, 1953. 10 N82

54494 MCCRONE, R. W. Why I chose Red Polls. Farming News & No. Brit. Agr. 105(spec.no):46. Jan.1, 1953. 10 N82

54495 MCDONALD, M. H. Don't crossbreed your Herefords. S. Dak. Stockgrower 7(2):38. Mar.15,1953. 49 So84

54496 MACKAY, D. C. Getting your cows in calf. Holstein-Friesian J. 16:20,50. Apr.1953. 43.8 H743

54497 MCQUEEN, D. M. Galloway breeders are optimistic and in good heart. Farming News & No. Brit. Agr. 105(spec.no):62-63. Jan.1,1953. 10 N82

54498 MAGNUSSON, K. Breeding of beef cattle for Canadian ranchers. Livestock Times 1(24):2,6. Mar.6, 1953. 49 L755

54499 MILDE, K. F. Sire indices, do we need more information? Ayrshire Digest 39:152-153. Mar.15,1953. 43.8 Ay7

54500 MILOVANOV, V. K. Problem of activating fertilization and increasing vitality of farm animals. (In Russian.) Sovet. Zootekh. 8:9-28. Jan.1953. 49 So822
Cattle and sheep.

54501 MOLANO CAMPUZANO, J. Blanco Orejinegro sin cuernos; algunos datos sobre este ganado sueco. Agr. Trop. 9(3):9-10. Mar.1953. 26 Ag8

54502 MURARI, T. The Gir breed in Madras State. Madras Agr. J. 40:52-55. Feb.1953. 22 M262

54503 NEHRING, K. Die bedeutung der samenübertragung beim rind. Deut. Bauern Kal. 1953:141-143. 18 D4826

54504 NOBLE, D. G. Scottish Shorthorn year reviewed. Farming News & No. Brit. Agr. 105(spec.no):43-45. Jan.1,1953. 10 N82

54505 NORTON, H. W. We may be seeing red. Holstein-Friesian World 50:894,987-988. Apr.18,1953. 43.8 H742
Genetics.

54506 ODLUM, G. Are you breeding for more butterfat? Dairy Farmer [Ipswich] 26(4):23. Apr.1953. 44.8 D1414

54507 OLDS, D. Infertility in cattle, a review. Amer. Vet. Med. Assoc. J. 122:276-287. Ref. Apr.1953. 41.8 Am3

54508 PROVINCIALE BOND VAN RUNDVEEFOKVERENIGINGEN IN NOORDHOLLAND. Jaarverslag [Annual report of the Provincial Union of the Cattle Breeding Associations in North Holland], 1951. Schagen,1952. 59 p. 43.9 P94

54509 RAMSAY, R. A lesson in "cow efficiency;" heads, necks and shoulders tell an important story. Holstein-Friesian World 50:639-641,746. Mar.21,1953. 43.8 H742
In breeding.

54510 RASBECH, N. O. Influence of antibiotics on the fructolysis in dilutions of semen. (In Danish.) Nord. Vetmed. 5:193-210. Ref. Mar.1953. 41.8 N813
English summary.
Bovine.

54511 REMSBERG, J. H. El ganado Holstein tiene un buen futuro en Chile. Agrario 17(436):14-15,18. 1952. 9.3 Ag85

54512 ROBERTS, S. J. Sterility in dairy cattle. Dairymen's League News 37(7):9,18. Mar.31,1953. 44.8 D1432

54513 ROSS, M. British Friesians. Farming News & No. Brit. Agr. 105(spec.no):59-61. Jan.1,1953. 10 N82

54514 ST-PIERRE, M. Votre taureau est-il convenablement logé? Ferme 14(7):34,66-67. Mar.1953. 7 F38

54515 SANTIAGO, A. A. The genealogic register in the selection of Indian breeds. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):16. 41.9 So13
Zebu cattle.

54516 SCHOLTYSSEK, S. Einwirkung von ultraschall auf die spermien von bullen. Kieler Milchwirt. Forschber. 5:49-54. 1953. 44.9 K542
English summary.

54517 SCHOLZ. Schwarzbuntes Niederungsvieh jenseits der Alpen. Übersicht 4:241-242. Mar.1953. 18 Ub3
Italy.

54518 SCHULTE SIENBECK. Rindviehzucht und künstliche besamung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:626-627. Apr.9,1953. 18 L2346

54519 SHAW, I. G., and HAYES, H. A case of lipomatosis in a bull and its possible interference with ability to serve. Vet. Rec. 65:203. Mar.28,1953. 41.8 V641

54520 SIERK, C. F. Roundup of facts on dwarfism in beef cattle. Idaho Agr. Sci. 38(2):3. Second Q.1953. 276 Id13N

54521 SIMS, E. M. A platform for Shorthorns—in North America; judge them on their merits. Shorthorn News [Waterloo] 14,i.e.13:9-10,32. Apr.1953. 43.8 Sh85

54522 SKJERVOLD, H., and SYRSTAD, O. Valuation and selection of breeding animals. (In Norwegian.) Buskap og Avdrått 5:40-44. 1953. 49 B96
Cattle.

54523 SLOAN, F. A. Red polls—for milk and meat. Milk Prod. [Houston] 18(4):14-17,24. Apr.1953. 44.8 M5993

54524 SMOL'ĀNINOV, A. A. Increasing the fat content in milk of East Friesian cattle. (In Russian.) Sovet. Zootekh. 7(12):39-48. Dec.1952. 49 So822

54525 SPANN, J. Uber die zeit des wiederzulassens nach dem kalben. Tierzüchter 5:134-135. Mar.20,1953. 49 T445

54526 SPROAT, J. F. Belted Galloways. Farming News & No. Brit. Agr. 105(spec.no):64. Jan.1,1953. 10 N82

54527 STALLCUP, O. T., and MCCARTNEY, H. K. Toxicity to bull spermatozoa of terramycin hydrochloride and its use as an antibacterial agent in diluents. J. Dairy Sci. 36:293-295. Ref. Mar.1953. 44.8 J822

54528 STANDHARTINGER. Zukauf oder aufzucht? Salzburger Bauer 8(15):5-6. Apr.9,1953. 19 Sa3
Cattle.

54529 STEGENGA, T. Objections to artificial insemination often heard. (In Dutch.) Doelmatige Veehouderij 2:35-38. Mar.1953. 49 D67
Cattle.

54530 STEPHENSON, L. E. The Southland, a breed for the Southwest. Red Poll News 17(2):36,73. Mar./Apr. 1953. 43.8 R245
Red Poll-Brahman cross.

54531 STONAKER, H. H. Plans for genetic increases in productivity of Indian cattle. Allahabad Farmer 26:183-190. Nov.1952. 22 AL5

54532 SWANSON, E. W., and BOATMAN, J. P. The effect of thiouracil feeding upon the seminal characteristics of dairy bulls. J. Dairy Sci. 36:246-252. Ref. Mar. 1953. 44.8 J822

54533 TANDON, O. B. Differences in milk production and in age at first calving among Indian and crossbred dairy cattle in India. (Abs.) Iowa State Col. J. Sci. 27:264. Jan.1953. 470 Io9

54534 THOMAS, R. Commercial swing to Shorthorns. Shorthorn World 37(22):21,81. Mar.1,1953. 43.8 Sh8

54535 THOMAS, R. Horned and Polled Shorthorns are booming in the South. Gulf Coast Cattleman 19(2):23. Apr.1953. 43.8 G95

54536 THOMAS, R., and HULTINE, A. Shorthorns evolved from English cattle in Teeswater Valley about 250 years ago. West. Live Stock 38(8):12,16. Mar.1953. 49 W523

54537 TORNEDE. Das Deutsche Rotvieh und seine leistungen. Tierzüchter 5:131-134. Mar.20,1953. 49 T445

54538 U. S. BUR. OF ANIMAL INDUSTRY. W-1-improvement of beef cattle through the application of breeding methods; report of annual meeting of Technical Committee, Corvallis, Oregon, August 4 and 5, 1952. Washington?1952. 47 p. 1.972 A2R298
Western States cooperating.

54539 VEZZANI, V., and RAIMONDI, R. The Red Pied Aosta cattle breed. (In Italian.) Riv. di Zootec 26: 42-50. Feb.1953. 49 R52

54540 VORAVARN, M. R. C. Bringing the Jersey cattle to Thailand. (In Siamese.) Kasikorn 26:65-73. Jan.1953. 22.5 K15
English summary.

54541 WARWICK, E. J. Animal breeding work. Fla. Cattleman & Livestock J. 17(7):42-43,70-71,74,76,78,80. Apr.1953. 43.8 F66
Beef cattle.

54542 WARWICK, E. J. Crossbreeding with Brahman cattle. Amer. Breeds 4(11):6-9,24. Apr.1953. 43.8 Z12

54543 WASHBON, W. E. 1953 supplement to Dairy Breeding Guide, key volume I. Bath,N. Y.,1953. 16 p. 43 D142

54544 WERNER, G. M. Should you change breeds? Hoard's Dairyman 98:386. Apr.25,1953. 44.8 H65

54545 WILLIAMS, H. D., and WILLIAMS, T. The inheritance of horns and their modifications in Polled Hereford cattle. J. Hered. 43:267-272. Ref. Nov./Dec. 1952. 442.8 Am3

54546 WOLDEN, T. Our bull stations. (In Norwegian) Buskap og Avdrått 5:34-38. 1953. 49 B96

Feeds and Feeding

54547 ABGAROWICZ, F., and SEIDLER, S. Estimation of the value of hay from meadows on the Ner River. (In Polish.) Rocz. Nauk Roln. 62:141-157. 1952. 20.5 R59
English summary.
Milk-producing value.

54548 AHRER, K. Die portionsweide. Bauer 6(12): 5-6. Mar.21,1953. 19 B32
Austria.

54549 ARBUCKLE, W. S. Off-flavors can be prevented; milk rejections can be practically eliminated by regulated grazing, mowing; or by timely use of weed chemicals. Hoard's Dairyman 98:331. Apr.25,1953. 44.8 H65

54550 BAAKEN. Beeinflussung des milchgeschmacks durch verfütterung von stoppelrüben. Landwirt. Z. der Nord-Rheinprov. 120:229. Feb.21,1953. 18 L2344

54551 BEESON, W. M. Put the bacteria to work and make a ton of beef per acre. Breeder's Gaz. 118(5):10. May 1953. 49 B74
Purdue Supplement A.

54552 BENTLEY, O. G., HERSHBERGER, T. V., and MOXON, A. L. Vitamin B_{12} and cobalt in cattle nutrition. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1): 177. Mar.1953. 442.9 F31P

54553 BOER, H. DE. Rearing of calves. (In Dutch.) Gelders Landbbl. 16(9):11. Feb.26,1953. 12 G282
Feeding.

54554 BOHME, C. Kälberaufzucht mit magermilch? Landwirt. Wchnbl. 143:359-360. Mar.21,1953. 18 L2338

54555 BOHSTEDT, G. Comparative feed value—sweet corn, pea vine, field corn silage. Canning Trade 75(41): 7,16. Apr.27,1953. 286.83 T67
For cattle.

54556 BOYNTON, H. Fundamentals of feeding and management. Guernsey Breeders' J. [Peterborough] 87: 995,1022-1024,1050. Apr.1,1953. 43.8 G93

54557 BRANNANG, E. Feeding intensity and growth. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 31:19-20. Feb.1953. 49.9 Sk1
Dairy cattle.

54558 BURROUGHS, W. New horizons in beef supplements. Feed Age 3(4):20-24. Apr.1953. 389.78 F327

54559 CARLSSON, C. E. Impaired appetite. (In Swedish.) Mjölkpropagandan 30:85-86. Mar.1953. 44.8 M692
After calving of cattle.

54560 CHAMBERS, D., and others. Performance testing of beef cattle in the feed lot. Okla. Agr. Expt. Sta. Misc. P. MP-27·82-86. June 1952. 100 Ok4
J. A. Whatley, A. E. Darlow, and D. F. Stephens, joint authors.

54561 CHANCE, C. M., HUFFMAN, C. F., and DUNCAN, C. W. Antibiotics in rumen digestion and synthesis. I. The effect of aureomycin on rumen digestion and the passage of nutrients from the rumen during specific intervals after feeding. J. Dairy Sci. 36:253-259. Ref. Mar.1953. 44.8 J822

54562 CLARK, R. Use of urea and molasses in winter feeding. Good Husb. 3(5):13,19. Jan.1953. 24 G59
Cattle and sheep.

54563 COMBERG, G., and ROSENHAHN, W. Die futterwirkung von tabakextraktionsschrot bei milchkühen und säugenden schafen. Arch. f. Tierernähr. 2:376-388. Ref. May/June 1952. 389.78 Ar22

54564 CRAMPTON, E. W. How much and what kind of meal for my cow? Canad. Jersey Breeder 8(2):24-25. Feb.1953. 43.8 C165

54565 CRAMPTON, E. W. How much and what kind of meal for my cow?. II. The effect of pregnancy on the quantity of meal to be fed and on the protein level needed in the meal. Canad. Jersey Breeder 8(3):8-9. Mar.1953. 43.8 C165

54566 DAVIDOV, R. B., and ARISTOVA, V. P. On methods of zootechnical and technological experiments in the dairy industry. (In Russian.) Sovet. Zootekh. 8:42-55. Jan.1953. 49 So822
Effect of feeding factors on milk composition and quality of products.

54567 DOLGE, K. L., and others. Effect of initial level and rate of increase of artificially dehydrated alfalfa in complete rations on growth and carotene intake of Holstein dairy calves. J. Dairy Sci. 36:235-245. Ref. Mar.1953. 44.8 J822
H. D. Eaton, R. D. Mochrie, J. E. Avampato, F. I. Elliott, G. Beall, and L. A. Moore, joint authors.

54568 ELY, R. E., and others. Results of feeding methoxychlor sprayed forage and crystalline methoxychlor to dairy cows. J. Dairy Sci. 36:309-314. Ref. Mar.1953. 44.8 J822
L. A. Moore, P. E. Hubanks, R. H. Carter, and F. W. Poos, joint authors.
Effects on milk.

54569 FILIPSON, E. Rational utilization of potato malt grains [as feed for cattle]. (In Russian.) Mîâsnaîâ Indus. SSSR. 24:68-72. Jan./Feb.1953. 50.8 M58

54570 FLUCHER, Rindermast am bauernhof. Salzburger Bauer 8(12):7-8. Mar.19,1953. 19 Sa3

54571 HANCOCK, J. Grazing behaviour of cattle. Commonwealth Bur. Anim. Breeding & Genet. Anim. Breeding Abs. 21:1-13. Ref. Mar.1953. 241 Im72Ra

54572 HENDRIKSE, J. J. Raising calves. (In Dutch.) Doelmatige Veehouderij 1:186-189. Dec.1952. 49 D67
Feeding.

54573 HODGSON, R. E. The cow, grass and milk. Guernsey Breeders' J. [Peterborough] 87:823-826,850-851,853. Mar.15,1953. 43.8 G93

54574 HOFMANN, F. Die fütterung des rindviehs. Deut. Bauern Kal. 1953:153-157. 18 D4826
Russian Zone of Germany.

54575 HOLMES, W. Feeding grass; the use of grazing, silage, hay and dried grass in feeding dairy and beef cattle. Scot. Dept. Agr. Adv. L. (n.s.)25,20 p. 1953. 10 Sco82L

54576 ILLINOIS. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Winter feeding and management of the dairy herd. Ill. Agr. Col. Ext. D638,4 p. Nov.8,1952. 275.29 IL62Pda

54577 IWEMA, S. Turnips. (In Dutch.) Doelmatige Veehouderij 1:147-150. Oct.1952. 49 D67
As feed for dairy cattle.

54578 JACOBSEN, N. L. Antibiotic feeding to dairy cattle. Iowa State Col. Vet. 15:79-81. 1953. 41.8 V6425

54579 JARL, F., and HANSSON, L. Försök med fodertillskott under hösten till betande mjölkkor. Effect of feed supplements to grazing milk cows in the fall. Sweden. Stat. Husdjursförsök. Meddel. 50,38 p. Ref. 1952. 104 Up62
English summary.

54580 JARL, F. Increased use of home grown feed for cattle. (In Swedish.) Växt-Närings-Nytt 9:1-5. Jan.1953. 57.8 V47

54581 JONG, R. R. DE. The barn season approaches. (In Dutch.) Doelmatige Veehouderij 1:137-140. Sept.1952. 49 D67
Feeding dairy cattle.

54582 KEITH, T. B. Figuring steer-fattening rations: how to calculate most efficient hay-concentrate ratios. Feeds Illus. 4(4):16-17. Apr.1953. 389.78 F326

54583 KESSLER, F. B. Grass utilization and pasture management. Kans. Agr. Expt. Sta. C. 289:25-28. Sept. 5,1952. 100 K13S
Effects of grazing on beef production and grass varieties planted for grazing.

54584 KNOLL, J. G. Trumpf-as: futterbau und fütterung! Bauern-Ztg. 6(11):1-2. Mar.20,1953. 18 B324
Importance of feeding dairy cattle properly.

54585 KONEKAMP, A. H. Tageslauf von milchkühen auf der weide. Grünland 2:19-20. Mar.1953. 18 G922

54586 KRISTJANSSON, S., and KRISTJANSSON, G. Feed salts. (In Icelandic.) Freyr 48:67-71. Mar.1953. 11 F89
Minerals in cattle nutrition.

54587 LAMPRECHT. Der milchkontrollangestellte als futterberater. Kontrollangestellte, p.3-4. In Unser Milchvieh 5(3). Mar.1953. 43.8 Un7

54588 LONG, R. A., and others. Optimum protein levels and substitutes for cottonseed cake for fattening steer calves. Okla. Agr. Expt. Sta. Misc. P. MP-27:100-105. June 1952. 100 Ok4
L. S. Pope, A. E. Darlow, R. W. MacVicar, and W. D. Campbell, joint authors.

54589 MAGIDOV, G. A. Evaluation of nutritive value of rations for dairy cows with a varied combination of succulent feeds. (In Russian.) Sovet. Zootekh. 8:29-41. Jan.1953. 49 So822

54590 MAINARDI, B., and FAZIO, F. Feeding twin calves whole milk and milk according to the Usuelli-Piana method. (In Italian.) Soc. Ital. di Biol. Sper. B. 28: 1672-1674. Aug./Oct.1952. 442.8 So12

54591 MARCINOWSKI, H. J. Die bewertung der brennereischlempe im spiegel der milchgesetzgebung des in- und auslandes. Deut. Molk.-Ztg. 74:370-371. Ref. Mar.20,1953. 44.8 Su2
Includes use as cattle feed.

54592 MATAGRIN, P. L'alimentation en montagne. Rev. de l'Elevage 8(spec.no.Vache Lait.):61,63,65. 1953. 49 B462
Dairy cattle.

54593 A MILLION tons of trash; cotton gin trash is being converted into a new feed for fattening cattle and lambs at less cost. Farm Mangt. 2(5):54-55. Apr.1953. 281.8 F2225

54594 MONTGOMERY, G. A. They haul pasture to their cows. Capper's Farmer 64(4):40,42,44,46. Apr. 1953. 6 M693
Grass silage.

54595 MORRISON, J., and SMYTH, W. G. Profit from cattle fattened on grass silage in winter. Farmers' J. (n.s.)4(6):12,16. Apr.1953. 10 F2234
Ireland.

54596 MUIR, J. Progeny testing of bulls in Monterey County. Calif. Cattleman, Apr.1953:8-9. 43.8 C12
Feed-lot testing.

54597 MURLEY, W. R. Response of young dairy calves to aureomycin feeding. (Abs.) Iowa State Col. J. Sci. 27:222-223. Jan.1953. 470 Io9

54598 MYLREA, P. Dairy cattle feeding—is urea the answer to protein concentrate shortages? Agr. Gaz. N. S. Wales 64:9-10,28. Jan.1953. 23 N472

54599 NELSON, A. B., and others. Creep-feeding calves which are to be sold at weaning. Okla. Agr. Expt. Sta. Misc. P. MP-27:7-9. June 1952. 100 Ok4
W. Archer, A. E. Darlow, and W. D. Campbell, joint authors.

54600 NELSON, A. B., and others. Creep-feeding heifer calves which are to be wintered on prairie hay and cottonseed cake. Okla. Agr. Expt. Sta. Misc. P. MP-27: 94-95. June 1952. 100 Ok4
W. Archer, A. E. Darlow, and W. D. Campbell, joint authors.

54601 NELSON, A. B., and others. Creep-feeding steer calves which are to be fattened in dry-lot. Okla. Agr. Expt. Sta. Misc. P. MP-27:67-70. June 1952. 100 Ok4
W. Archer, A. E. Darlow, and W. D. Campbell, joint authors.

54602 NELSON, A. B., and others. The effect of high levels of manganese intake on the performance of beef cows. Okla. Agr. Expt. Sta. Misc. P. MP-27:63-67. June 1952. 100 Ok4
J. A. Nance, W. D. Gallup, A. E. Darlow, and W. D. Campbell, joint authors.

54603 NELSON, A. B., DARLOW, A. E., and CAMPBELL, W. D. The effect of level of wintering steer calves on their subsequent grazing performance. Okla. Agr. Expt. Sta. Misc. P. MP-27:5-7. June 1952. 100 Ok4

54604 NELSON, A. B., and others. The effect of level of wintering upon the production of two- and three-year-old steers. Okla. Agr. Expt. Sta. Misc. P. MP-27: 22-28. June 1952. 100 Ok4
R. A. Long, A. E. Darlow, and W. D. Campbell, joint authors.
Feeding.

54605 NELSON, A. B., and others. Feeding trace minerals to beef heifers in southeastern Oklahoma. Okla. Agr. Expt. Sta. Misc. P. MP-27:9-13. June 1952. 100 Ok4
J. A. Nance, W. D. Gallup, and A. E. Darlow, joint authors.

54606 NELSON, A. B., DARLOW, A. E., and CAMPBELL, W. D. Methods of wintering yearling steers. Okla. Agr. Expt. Sta. Misc. P. MP-27:98-100. June 1952. 100 Ok4

54607 NELSON, A. B., and others. The relative value of alfalfa hay and cottonseed cake for winter feed in a commercial cow herd. Okla. Agr. Expt. Sta. Misc. P. MP-27:29-33. June 1952. 100 Ok4
A. E. Darlow, R. W. MacVicar, and W. D. Campbell, joint authors.

54608 NELSON, A. B., and others. Salt as a means of regulating consumption of cottonseed meal by pregnant beef cows. Okla. Agr. Expt. Sta. Misc. P. MP-27:70-74. June 1952. 100 Ok4
W. Archer, R. W. MacVicar, A. E. Darlow, and W. D. Campbell, joint authors.

54609 NELSON, A. B., and others. The value of 20-, 30-, and 40-percent protein supplements for wintering heifer calves. Okla. Agr. Expt. Sta. Misc. P. MP-27:96-98. June 1952. 100 Ok4
J. P. Fontenot, A. E. Darlow, R. W. MacVicar, and W. D. Campbell, joint authors.

54610 NELSON, A. B., and others. Yearly gains of replacement heifers wintered on 20-, 30- and 40-percent protein supplements. Okla. Agr. Expt. Sta. Misc. P. MP-27:13-17. June 1952. 100 Ok4
A. E. Darlow, R. W. MacVicar, and W. D. Campbell, joint authors.

54611 NEWELL, P. F. Cattle in the Black Belt. Prog. Farmer, Miss.-Ark.-La. Ed. 68(4):21,181,183. Apr.1953. 6 So81
Chiefly feeding.

54612 NIBLER, C. W. Fads and fancies or quality roughages. Jersey B. 72:468,490,504,506. Apr.10,1953. 43.8 J48

54613 OLEJAR, P. D. Grass silage for dairy farms. Natl. Grange Mon. 50(4):29-31. Apr.1953. 6 N215

54614 OLOFSSON, S. How do cows utilize their time on the pastures? (In Swedish.) Svensk Jordbrforsk. 1953:147-152. 11 J763

54615 PANDITTESEKERE, D. G. Paddy straw as a feed for cattle. Trop. Agr. [Peradeniya] 108:166-185. July/Sept.1952. 26 T751
Effects of lye treatment and water washing on the chemical composition and on the digestibility of the straw.

54616 PARSONS, C. H. What is your grain to milk ratio? Amer. Agr. 150:177,194. Mar.21,1953. 6 Am3

54617 PETERSON, V. S. Rumen Industries, Inc. Cattleman 39(11):42,44,46,48,50,52,54. Apr.1953. 49 C29

54618 PIANA, G. Effect of feed becoming rancid on the reproductive organs and on lactation of cattle. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1670-1672. Aug./Oct.1952. 442.8 So12

54619 POPE, L. S., and others. The effect of level of nutrition and age of first calving upon the reproductive performance of beef cows. Okla. Agr. Expt. Sta. Misc. P. MP-27:42-49. June 1952. 100 Ok4
D. F. Stephens, R. W. MacVicar, M. P. Botkin, and A. E. Darlow, joint authors.

54620 POPE, L. S., and others. Protein and mineral supplements for wintering yearling steers on native grass. Okla. Agr. Expt. Sta. Misc. P. MP-27:90-94. June 1952. 100 Ok4
D. F. Stephens, A. E. Darlow, and V. G. Heller, joint authors.

54621 POPE, L. S., and others. Systems of management and supplements for fattening three-year-old steers on grass. Okla. Agr. Expt. Sta. Misc. P. MP-27:17-22. June 1952. 100 Ok4
D. F. Stephens, R. W. MacVicar, and A. E. Darlow, joint authors.

54622 PORTER, A. R. Grass silage as the only roughage for dairy cows. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:159-160. Mar.1953. 275.28 Io94

54623 PRICE, W. V., and others. Can we get quality milk from grass silage? Wis. Agr. Expt. Sta. B. 501,6 p. Ref. Feb.1953. 100 W75

54624 RALSTON PURINA CO. LIVESTOCK RESEARCH DEPT. The Purina program for beef cattle. St. Louis,1952. 18 p. 43 R133

54625 RICHTER, K., and BECKER, M. Beiträge zum ernährungshaushalt von milchkühen hoher leistung. Arch. f. Tierernähr. 2:338-376. Ref. May/June 1952. 389.78 Ar22

54626 ROBERTS, SIR W. The Pakistan cotton crop as food producer. Pakistan Cotton B. 1(6):4-8. Feb.1953. 72.8 P17
Cottonseed for cattle feed.

54627 SCHEELJE, R. Beziehungen zwischen ernährung und fortpflanzung beim weiblichen rind. Kontrollangestellte, p.1-2. In Unser Milchvieh 5(3). Mar. 1953. 43.8 Un7

54628 SEMAK, I. L., and PODLUTSKII, N. P. Fattening [beef] cattle on grain molasses. (In Russian.) Sovet. Zootekh. 8:67-71. Jan.1953. 49 So822

54629 SIMERL, L. H., and STICE, L. F. How should you feed cattle in 1953? Capper's Farmer 64(4):29,52,54. Apr.1953. 6 M693

54630 SIOEN. Moderne begriffe über viehfütterung. III. Bauer 24(44):2. Nov.2,1952. 281.8 B323
Cattle.

54631 SMITH, E. Missouri grass plan trims feeding costs. Natl. Live Stock Prod. 31(6):18. Apr.1953. 280.38 N21
Pasture feeding of beef cattle.

54632 SOMMERKAMP, G. Melasse als zusatzfutter. Deut. Landwirt.-Gesell. Mitt. 68:284-285. Mar.19,1953. 18 N39
For cattle.

54633 SPLITTGERBER, H. Fütterung des rindviehs unter den heutigen wirtschaftlichen verhältnissen. Hannoversche Land- u. Forstwirt. Ztg. 106:293. Mar.7,1953. 18 H194

54634 STOECKEL, R. L'alimentation de la vache. Rev. de l'Elevage 8(spec.no.Vache Lait.):51-54. 1953. 49 B462

54635 STOECKEL, R. L'alimentation des veaux. Rev. de l'Elevage 8(spec.no.Vache Lait.):25,27,29,31. 1953. 49 B462

54636 TAYLOR, L. F., and WENDLING, L. T. Creep feeding, a profitable method of beef production. Kans. State Col. Agr. Ext. C. 227,rev.,4 p. Mar.1953. 275.29 K13Ex

54637 ULVESLI, O., and SLAGSVOLD, P. Trials on long-term phosphorus supplements in dairy cows. (In Norwegian.) Norges Landbrhøgsk. Meld. 32:185-234. 1952. 104 N762M
English summary.

54638 VOISIN, A. Comment la vache s'alimente elle-même au paturage. Rev. de l'Elevage 8(spec.no.Vache Lait.):55-59. 1953. 49 B462

54639 WALTERS, L. E., and others. Phosphorus utilization by cattle and sheep. Okla. Agr. Expt. Sta. Misc. P. MP-27:86-90. June 1952. 100 Ok4
C. K. Whitehair, W. D. Gallup, and R. M. Chatters, joint authors.

54640 WHITEHAIR, C. K. Nutritional disturbances in cattle. Tex. Livestock J. 12(3):9,70-71. Ref. Mar.1953. 49 T29

54641 WOLF, H. Stierälpung. Tierzüchter 5:139-141. Mar.20,1953. 49 T445

54642 WUNDERLICH. Diepholzer dickstrunk-kuhkohl—ein sehr beachtliche pflanze. Hannoversche Land- u. Forstwirt. Ztg. 106:286. Mar.7,1953. 18 H194
As cattle feed.

54643 ZAKHARCHENKO, I. M. Soda-salt method of straw and chaff treatment [for feeding it to cattle and sheep]. (In Russian.) Sovet. Zootekh. 7(12):69-75. Dec. 1952. 49 So822

Veterinary Medicine

54644 ABELEIN, R. Verhütung schädlicher folgen nach fehlpaarungen. Tierärztl. Umschau 8:77-81. Mar. 1953. 41.8 T445
Cattle.

54645 ANDERSON, C. Behind beef's "iron curtain"—dwarfs. Oreg. Farmer 76(7):277-278. Apr.2,1953. 6 Or32

54646 APICE, M. D', and PENHA, A. M. Brucellosis control in the State of São Paulo (Brazil.) (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):65-66. 41.9 So13
Cattle.

54647 ASCOLI, A. Statements and replies on the efficacy of antitubercular vaccination in cattle—present status of the problem. (In Italian.) Ist. Vaccinogeno Antituberc. Not. 2:197-206. Oct./Dec.1952. 41.9 Is7
English summary.

54648 BAILEY, W. S., and HERLICH, H. Case reports: epizootic. Auburn Vet. 9:105-110. Ref. Winter 1953. 41.8 Au1
Describes an outbreak of parasitic gastroenteritis in cattle.

54649 BAILEY, W. W. Anthrax response to terramycin therapy. Amer. Vet. Med. Assoc. J. 122:305-306. Apr.1953. 41.8 Am3
Cattle and horses.

54650 BARNER, R. D., OBERST, F. H., and ATKESON, F. W. The use of dead strain 19 vaccine to differentiate vaccinal from infection titers of brucellosis (abortus) in cows. Amer. Vet. Med. Assoc. J. 122:302-304. Apr.1953. 41.8 Am3

54651 BECKER, E. Stellungnahme zu dem artikel von H. Weingart, Salem-Baden, TU. Januar 1953, Nr. 1/2, S. 8: "Beitrag zur instrumentellen behandlung der schlundverstopfung des rindes." Tierärztl. Umschau 8: 100-101. Mar.1953. 41.8 T445

54652 BELL, W. B. The relative toxicity of the chlorinated naphthalenes in experimentally produced bovine hyperkeratosis (X-disease). Vet. Med. 48:135-140,146. Ref. Apr.1953. 41.8 M69

54653 BELLER, K. Die bekämpfung der rindertuberkulose im Bundesgebiet. Umschau 53:193-194. Apr.1, 1953. 474 Um7

54654 BILLINGHAM, R. E. A skin grafting problem in cattle twins. New Biol. 12:27-47. Apr.1952. 442.8 J63

54655 BLACK, A. L., and others. Mobility of skeletal phosphorus in a mature dairy cow as determined with radioactive phosphorus. Soc. Expt. Biol. & Med. Proc. 82:248-252. Ref. Feb.1953. 442.9 So1
M. Kleiber, A. H. Smith, and N. P. Ralston, joint authors

54656 BLACK, W. G., and others. Ovulation and fertilization in the hormone-stimulated calf. J. Dairy Sci. 36:274-280. Ref. Mar.1953. 44.8 J822
L. C. Ulberg, R. E. Christian, and L. E. Casida, joint authors.

54657 BLAKE, G. E., and MANTHEI, C. A. The efficiency of the blood, whey, and whole milk tests in ascertaining the brucellosis status of cattle. Amer. Vet. Med. Assoc. Proc. 89:98-104. Ref. 1952,pub.1953. 41.9 Un3

54658 BLAXTER, K. L., and ROOK, J. A. F. Indirect determination of water retention in cattle as a means of estimating energy exchange. Nature [London] 171:609-610. Apr.4,1953. 472 N21

54659 BLOOD, D. C. Ketosis in dairy cows. Milk Bd. J. 4(2):21,25. Feb.1953. 44.8 M5934

54660 BOOGAERDT, A. Cesarian section of cow. (In Dutch.) Tijdschr. v. Diergeneesk. 78:310-312. Apr.1, 1953. 41.8 T431
English summary.

54661 BORBA, J. C. M. Traumatic bovine inflammation of the sheath in cattle. (In Portuguese.) Rev. Mil. de Remonta e Vet. 12:87-91. Apr./Sept.1952. 41.8 R3219

54662 BOWEN, P. D. G. Anthrax. Vet. Rec. 65:140. Feb.28,1953. 41.8 V641
In cow and pig.

54663 BRION, A. Le controle sanitaire des étables. Rev. de l'Elevage 8(spec.no.Vache Lait.):66-69. 1953. 49 B462
Cattle disease control.

54664 BRION, A. L'etude des groupes sanguins va-t-elle permettre le controle de l'ascendance et la prevision des qualités des bovins. Rev. de l'Elevage 8:303-305. Apr.1953. 49 B462

54665 BROCHART, M., and PARAF, A. Contribution á l'étude de la brucellose chez le taureau. Rec. de Méd. Vét. 129:157-166. Ref. Mar.1953. 41.8 R24

54666 BROSIG, W. K. J. Uber die eignung der "tiefenkultur" zum nachweis von rindertuberkelbakterien. Giessen,1952. 37 p. Ref. 41.2 B792
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

54667 BROWN, R. "Fescue-foot" or ergotism in Kentucky. Vet. Med. 48:166. Apr.1953. 41.8 M69
Cattle.

54668 BRYANT, M. P., and BURKEY, L. A. Cultural methods and some characteristics of some of the more numerous groups of bacteria in the bovine rumen. J. Dairy Sci. 36:205-217. Ref. Mar.1953. 44.8 J822

54669 BRYANT, M. P., and BURKEY, L. A. Numbers and some predominant groups of bacteria in the rumen of cows fed different rations. J. Dairy Sci. 36:218-224. Mar.1953. 44.8 J822

54670 BUIL PALACIO, J. La tuberculosis bovina transmisible al hombre. Cam. Ofic. Sind. Agr. de Zaragoza. B. Mens. 57:9-10. Feb.1953. 15 Sa7

54671 CAMPARA, L. En la apreciación morfológica funcional se basa la eleccion de los animales lecheros. Mundo Agr. 46:26-28. Mar.1953. 9 M92

54672 ČERMAK, K. The x-ray width of joint fissure on the leg joints of cattle. (In Serbo-Croatian.) Vet. Arh. 22:241-244. 1952. 41.8 V6416
English summary.

54673 CHAUTEMPS, B. Cause rare de météorisme chronique des bovins. Rec. de Méd. Vet. 129:24-25. Jan.1953. 41.8 R24
Tumor.

54674 CLARK, C. F., and DANKS, A. G. Television broadcast—a plastic repair of an umbilical hernia in a calf. Amer. Vet. Med. Assoc. Proc. 89:321-325. 1952,pub.1953. 41.9 Un3

54675 CLARK, C. H. Digestion by microorganisms in the rumen. Vet. Med. 48:129-131. Ref. Apr.1953. 41.8 M69
Cattle.

54676 CONNER, G. H. A bovine patient recovers from tetanus. M. S. C. Veterinarian 13:109-110. Winter 1953. 41.8 M582

54677 CONNOR, F. E. Beef cattle problems. Amer. Vet. Med. Assoc. Proc. 89:50-55. 1952,pub.1953. 41.9 Un3
Diseases and injuries.

54678 CORDIER, G. Leptospirose bovine en Tunisie. Rec. de Méd. Vet. 129:7-15. Jan.1953. 41.8 R24

54679 CORDY, D. R. Medulloblastoma in a steer. Cornell Vet. 43:189-193. Apr.1953. 41.8 C81

54680 CROSHAW, R. Genital diseases of the cow. Amer. Vet. Med. Assoc. Proc. 89:71-75. 1952,pub.1953. 41.9 Un3
Includes discussion by D. C. Wood.

54681 CUPPS, P. T., LABEN, R. C., and MEAD, S. W. The occurrence of extramedullary myelopoiesis in the adrenal cortex of the cow. Cornell Vet. 43:244-248. Apr. 1953. 41.8 C81

54682 CURRY, J. E. Intestinal invagination. Vet. Med. 48:166-167. Apr.1953. 41.8 M69
In a cow.

54683 CURTIS, R. Mastitis and the practitioner. Amer. Vet. Med. Assoc. Proc. 89:32-38. 1952,pub.1953. 41.9 Un3
Cattle.
Includes discussion by G. L. H. Weaver.

54684 DAILLY, J. Gestation précoce de la vache. Rec. de Méd. Vét. 128:492. Aug.1952. 41.8 R24

54685 DANKS, A. G., and RAKER, C. W. Television broadcast—demonstration of amputation of cow's claw. Amer. Vet. Med. Assoc. Proc. 89:44-45. 1952,pub.1953. 41.9 Un3

54686 DANKS, A. G., and POUNDEN, W. D. Television broadcast—demonstration of collection of rumen samples for examination and transfusion. Amer. Vet. Med. Assoc. Proc. 89:49-50. 1952,pub.1953. 41.9 Un3

54687 DANKS, A. G., MCCAHON, J. V., and ROGERS, J. A. Television broadcast—demonstration of intravenous medication apparatus for cows. Amer. Vet. Med. Assoc. Proc. 89:38-40. 1952,pub.1953. 41.9 Un3

54688 DAVIDSON, H. R. New deficiency disease in cattle; the effect of vitamin E and cod-liver oil on muscular troubles. Farmer & Stock-Breeder 67(3311):41,43. Apr.7,1953. 10 F228

54689 DIEBEN, C. P. A. Preventive vaccination (premunition) against tristeza in Brazil. (In Dutch.) Tijdschr. v. Diergeneesk. 78:304-309. Apr.1,1953. 41.8 T431
English summary.
Cattle.

54690 DOUGHERTY, R. W., and CELLO, R. M. Studies of the toxic factors in rumen ingesta of cows and sheep. II. Amer. Vet. Med. Assoc. Proc. 89:130-137. 1952,pub.1953. 41.9 Un3

54691 DRURY, A. R. The treatment of bovine mastitis with aureomycin. M. S. C. Veterinarian 13:104-107. Winter 1953. 41.8 M582

54692 EEK, W. H. VAN. Grass tetany.' (In Dutch.) Doelmatige Veehouderij 1:154-156. Oct.1952. 49 D67

54693 EEK, W. H. VAN. Malignant catarrh of cattle. (In Dutch.) Doelmatige Veehouderij 2:24-27. Feb.1953. 49 D67

54694 ELAM, F. L. California moves against Bang's. Hoard's Dairyman 98:362. Apr.10,1953. 44.8 H65

54695 ELLIKER, P. R. Quaternaries and hypochlorites in mastitis sanitation. J. Milk & Food Technol. 16 22-25. Ref. Jan./Feb.1953. 44.8 J824

54696 ENGAN-SKEI, I. An observation on the anatomy of teats that from experience are difficult to milk. (In Norwegian.) Buskap og Avdrått 5:23-24,38-39. 1953. 49 B96
Cattle.

54697 ENGEL, R. W., and BELL, W. B. The nature of X-disease in cattle. Nutr. Rev. 11:97-99. Apr.1953. 389.8 N953

54698 FERRANDO, R., and SOMON, M. Remarques à propos des fourrages provenant des régions où sévit l'hématurie essentielle. Acad. Vét. de France. B. 26:79-82. Jan.1953. 41.9 R24

54699 FITZGERALD, P. R., and others. Research on bovine trichomoniasis. (Abs.) Utah Acad. Sci. Arts & Let. Proc. 29:48. 1951/52. 500 Ut1
D. M. Hammond, W. Binns, and M. L. Miner, joint authors.

54700 FOSTER, A. O. Veterinary parasitology: atypical lungworm disease of cattle. Vet. Med. 48:165. Apr.1953. 41.8 M69

54701 FROMM, G., and WIESMANN, E. Der mit offener tuberkulose behaftete mensch als ansteckungsquelle für rind und ziege. Schweiz. Arch. f. Tierheilk. 95: 135-171. Ref. (Concl.) Mar.1953. 41.8 Sch9
English summary.

54702 GIBBONS, W. J. Pointers for practitioners: vaginitis. Auburn Vet. 9:103-104,118. Winter 1953. 41.8 Au1
Includes discussion of bloat in cattle.

54703 GILLES. En attendant le vétérinaire: les accidents du vêlage. Terre Marocaine 27:44-47. Feb. 1953. 24 T44
Cattle.

54704 GIROUY, G. Un exemple: le Danemark a vaincu la tuberculose bovine. Agriculture [Paris] 17:65. Feb.1953. 14 Ag823

54705 GJESTVANG, P. Care of cattle hoofs. (In Norwegian.) Buskap og Avdrått 5:17-22. (Cont.) 1953. 49 B96

54706 GRAY, W. V. A complete Schistosomus reflexus. Vet. Rec. 65:203-204. Mar.28,1953. 41.8 V641
In a Guernsey heifer.

54707 HANSEL, W., OLAFSON, P., and MCENTEE, K. Bovine hyperkeratosis: studies on a German wood preservative. Cornell Vet. 43:311-324. Apr.1953. 41.8 C81

54708 HANSEN, A. G. Traumatic reticulitis. Amer. Vet. Med. Assoc. J. 122:290-293. Apr.1953. 41.8 Am3
Cattle.

54709 HARRISON, E. S. No legs—no cow. Ayrshire Digest 39:139-143. Mar.15,1953. 43.8 Ay7
Foot care.

54710 HAUET, J. Opération césarienne chez la vache. Paris,Foulon,1952. 54 p. Ref. 41.2 H2912
Thèse - École Nationale Vétérinaire, Alfort.

54711 HAYS, R. L., and VANDEMARK, N. L. Effects of oxytocin and epinephrine on uterine motility in the bovine. Amer. J. Physiol. 172:557-560. Ref. Mar.1953. 447.8 Am3

54712 HAYS, R. L., and VANDEMARK, N. L. Spontaneous motility of the bovine uterus. Amer. J. Physiol. 172:553-556. Mar.1953. 447.8 Am3

54713 HENDRIKSE, D. Lungworm disease of cattle. (In Dutch.) Doelmatige Veehouderij 1:89-92. June 1952. 49 D67

54714 HENDRIKSE, D. Milk or mother disease. (In Dutch.) Doelmatige Veehouderij 1:163-165. Nov.1952. 49 D67
Acetonemia of cattle and sheep.

54715 HESSELTINE, W. R. The case against horns. Our Dumb Animals 86(5):15. May 1953. 48.8 Ou7
Dairy cattle.

54716 HOUDOT, H. Traitement et prophylaxie de la mammite streptococcique contagieuse de la vache. Paris,Foulon,1952. 81 p. 41.2 H812
Thèse - École Nationale Vétérinaire, Alfort.

54717 HUNGATE, R. E. Kinds of cellulolytic cocci in the rumen of cattle and sheep. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:16. 1952. 448.39 So12A

54718 HUTCHCROFT, T. Bloat strikes fast. Iowa Agr. 51(7):7-8. Mar.1953. 6 Io9
Cause and cures of bloat in cattle.

54719 HUTTIG, C. Die eutergesundheitskontrolle in Schleswig-Holstein. Deut. Molk.-Ztg. 74(12):inside front cover. Mar.20,1953. 44.8 Su2

54720 JARRETT, W. F. H., MCINTYRE, W. I. M., and URQUHART, G. M. Recent work on husk, a preliminary report on an atypical pneumonia. Vet. Rec. 65:153-156. Mar.7,1953. 41.8 V641
Cattle.
Includes discussion.

54721 JEAN-BLAIN, M. Action des derives monohalogénés de l'acide acétique sur les animaux de l'espéce bovine. Rev. de Méd. Vét. [Toulouse] 103:769-788. Nov. 1952. 41.8 R32

54722 JOLING, K. F. Malignant catarrh of cattle. (In Dutch.) Doelmatige Veehouderij 1:61-62. Apr.1952. 49 D67

54723 JONES, E. B., and EDWARDS, C. M. Ergot poisoning in young cattle. I-II. Vet. Rec. 65:156-159. Mar.7,1953. 41.8 V641
I, by E. B. Jones; II, by C. M. Edwards.

54724 KAISER, G., and JACOBSEN, P. T. Case of dislocation of the abomasum. (In Danish.) Nord. Vetmed. 5:241-244. Mar.1953. 41.8 N813
English summary.
Of heifer.

54725 KERTAY, N. Diagnosis of tuberculosis in cattle by the cultural method. (In Hungarian.) Magyar Allat. Lapja 8:33-35. Feb.1953. 41.8 V644

54726 KLUSSENDORF, R. C. Bovine practice: nymphomania. No. Amer. Vet. 34:245-246. Apr.1953. 41.8 N812

54727 KNUDSON, R. L. A passport for a cow. Speculum 6(2):6,51. Winter 1953. 41.8 Sp3

54728 KRIEGER, U., and KRIEGER, H. Beitrag zur therapie der colimastitis. Tierärztl. Umschau 8:71-73. Mar.1953. 41.8 T445
Cattle.

54729 KRÜGER, W. Statistische untersuchungen über den gelben galt des rindes. 2. Kieler Milchwirt. Forschber. 5:1-9. 1953. 44.9 K542
English summary.

54730 LACAZ, J. S. Surgical treatment of chronic bovine mastitis. (In Portuguese.) Biológico 18:170-171. Oct.1952. 442.8 B529

54731 LANGERAAD, A. M. A. VAN. Grass tetany, its origin and what can be done about it. (In Dutch.) Plattelands-Post 9(11):8. Mar.19,1953. 12 P69
Cattle.

54732 LARSEN, A. B., and VARDAMAN, T. H. The effect of isonicotinic acid hydrazide on Mycobacterium paratuberculosis. Amer. Vet. Med. Assoc. J. 122:309-310. Apr.1953. 41.8 Am3
Johne's disease in a cow.

54733 LEBLANC, C. Avitaminoses et système nerveux des bovidés. Maisons-Alfort,Au Manuscrit,1952. 50 p. Ref. 41.2 L4972
Thèse - École Nationale Vétérinaire, Alfort.

54734 LEEDEN, R. VAN DER. Native und künstliche ersatzpräparate zur behebung von eiweissverlusten bei mensch und tier. Rinderblut als vollwertiger rohstoff zur human- und veterinärmedizinischen verwendung. Deut. Tierärztl. Wchnschr. 60:112-117,128-131. (Cont.) Mar. 1-15,1953. 41.8 D482

54735 LEGEAR, D. H. Prevention and treatment of metritis and retained placenta. Guernsey Breeders' J. [Peterborough] 87:827. Mar.15,1953. 43.8 G93

54736 LOPEZ ARANGUREN, J. Se evitaria la hipocalcemia de los bovinos si se vigila su pastoreo en los avenales. Mundo Agr. 5(45):94. Feb.1953. 9 M92

54737 LUMAINE. L'avortement epizootique. Sillon Belge 23(548):1,5. Feb.21,1953. 13 Si3
Bovine brucellosis.

54738 LUTTA, A. S. On degeneration of Piroplasma bigeminum and Françaiella colchica. (In Russian.) Zool. Zhur. 31:846-848. Nov./Dec.1952. 410 R92
Observations on cattle.

54739 MCAULIFF, J. L., PHILLIPS, W. V., and STEELE, J. R. Shipping fever in cattle. Amer. Vet. Med. Assoc. Proc. 89:75-77. 1952,pub.1953. 41.9 Un3

54740 MCENTEE, K., and OLAFSON, P. Reproductive tract pathology in hyperkeratosis of cattle and sheep. Fert. & Sterility 4:128-136. Ref. Mar./Apr.1953. 448.8 F41

54741 MCNUTT, S. H., and SIMON, J. The course of bovine Vibrio fetus infection in nature. Amer. Vet. Med. Assoc. Proc. 89:329-331. Ref. 1952,pub.1953. 41.9 Un3

54742 MADSEN, M. Is trimming of hoofs of importance to yield and growth of cattle? (In Danish.) Jydsk Landbr. 35:214-215. Mar.26,1953. 11 J99

54743 MAINARDI, B. Association of vitamin A and thyroxine to aid milk production. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1681-1682. Aug./Oct.1952. 442.8 So12
Tests with cows.

54744 MENGEL, S. Zur geschichte der rinder-tuberkulose-bekämpfung in Deutschland bis zum jahre 1945. Giessen,1952. 47 p. 41.2 M527
Inaug. -Diss. - Justus Liebig-Hochschule, Giessen.

54745 MENGES, R. W., HARSHFIELD, G. S., and WENNER, H. A. Sporadic bovine encephalomyelitis, studies on pathogenesis and etiology of the disease. Amer. Vet. Med. Assoc. J. 122:294-299. Apr.1953. 41.8 Am3

54746 MERLU, J. Sur l'innervation et l'irrigation des cornes des bovins. Acad. Vét. de France. B. 26:96-99. Jan.1953. 41.9 R24

54747 MEYER-BAHLBURG, W. Rinder-lecksucht und spurenelemente. Hannoversche Land- u. Forstwirt. Ztg. 106:253-254. Feb.28,1953. 18 H194

54748 MEYN, A. Uber de intrakutane tuberkulinprobe beim rinde. Rindertuberkulose 2:17-27. Ref. In Monatsh. f. Tierheilk 5(2). 1953. 41.8 M74

54749 MILLER, W. R., and TURNER, C. W. The fractionation and purification of extracts containing the androgenic factor of cow feces. J. Dairy Sci. 36:296-302. Ref. Mar.1953. 44.8 J822

54750 MITCHELL, C. A., WALKER, R. V. L., and BANNISTER, G. L. Preliminary experiments relating to the propagation of virus in the bovine mammary gland. Canad. J. Compar. Med. 17:97-104. Mar.1953. 41.8 C162

54751 MOILANEN, K. J. The only "cure" for hardware disease. Hoard's Dairyman 98:382-383. Apr.25, 1953. 44.8 H65
Operation of cattle for removal of foreign objects.

54752 MULLER, E. Die eingeweidewürmer des rindes und ihre wirtschaftlichen folgen. Landwirtschaft 5/6:97-100. Mar.1953. 19 L235

54753 MURPHY, J. M., and STUART, O. M. The effect of introducing small numbers of Streptococcus agalactiae (Cornell 48 strain) directly into the bovine teat cavity. Cornell Vet. 43:290-310. Ref. Apr.1953. 41.8 C81

54754 MURPHY, J. M. An instrument and technique for the introduction of minute amounts of bacterial culture into the teat cavity of the bovine udder. Cornell Vet. 43:279-289. Apr.1953. 41.8 C81

54755 NEUHAUS, U. Wo und wie die milch entsteht. Orion 8:258-261. Apr.1953. 474 Or4
Physiology of lactation in cattle and other animals.

54756 NEWLIN, L. R. Bovine intra-uterine medication. Amer. Vet. Med. Assoc. Proc. 89:346-347. 1952, pub.1953. 41.9 Un3

54757 NICHOLS, G. Be on the lookout for this trouble: prolonged gestation. Ohio Holstein News 17(2):11,43. Apr.1953. 43.8 Oh3

54758 NIELSEN, J. Yield capacity of heifers judged on the basis of the development of the lacteal glands. (In Norwegian.) Buskap og Avdrått 5:29-31. 1953. 49 B96

54759 OIJEN, C. F. VAN, and WILLEMS, G. B. R. Growing tuberculosis bacilli from cattle sputa. (In Dutch.) Tijdschr. v. Diergeneesk. 78:239-260. Mar.15, 1953. 41.8 T431
English summary.

54760 ORUM, A. M. Brucellosis eradication—a challenge to practitioners. Amer. Vet. Med. Assoc. Proc. 89:86-89. 1952,pub.1953. 41.9 Un3
Cattle.
Includes discussion by M. M. Rabstein.

54761 OSBORNE, J. C. Avianized Vibrio fetus vaccine and some preliminary observations on its use. Amer. Vet. Med. Assoc. Proc. 89:112-116. 1952,pub. 1953. 41.9 Un3
Tests with cattle.
Includes discussion.

54762 PARDI, M. C., DUARTE, G. G., and ROCHA, U. F. Cysticercosis in cattle and swine. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):50. 41.9 So13

54763 PATTERSON, C. M. Prevent bloat in cattle and sheep. Tex. Agr. Col. Ext. L-180,2 p. n.d. 275.29 T313

54764 PATYRA, W. Studies on the clinical value of the examination of blood in tuberculosis of cattle. (In Polish.) Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. DD 6:325-333. Ref. 1952. 512 L96Ad
English summary.

54765 PIERSON, R. E. Shipping fever complex. Tex. Livestock J. 12(3):80-81. Mar.1953. 49 T29

54766 PIPER, G. A. Dislocation of the shoulder in a cow. Vet. Med. 48:167. Apr.1953. 41.8 M69

54767 PITRE, J. Réticulo-sarcome primitif à foyers multiples du poumon chez un bovidé. Rec. de Méd. Vét. 128:502-504. Aug.1952. 41.8 R24

54768 PITTMAN, K. Hematoma of the penis in the bull. Speculum 6(2):14-15,55. Winter 1953. 41.8 Sp3

54769 PLASTRIDGE, W. N., and EASTERBROOKS, H. L. Diagnosis, diagnostic tests, and their reliability. Amer. Vet. Med. Assoc. Proc. 89:331-333. 1952,pub. 1953. 41.9 Un3
Vibrionic abortion in cattle.

54770 PLOMMET, M. Traitement et prophylaxie de la brucellose d'origine bovine par les oligo-éléments. Paris,Foulon,1952. 84 p. 41.2 P722
Thèse - École Nationale Vétérinaire, Alfort.

54771 POUNDEN, W. D. Rumen function and health in young calves. Amer. Vet. Med. Assoc. Proc. 89:40-44. Ref. 1952,pub.1953. 41.9 Un3
Includes discussion.

54772 PREVOT, A. R., SILLIOC, R., and QUENTIN, M. Existence en France du botulisme bovin de type C. Acad. Vét. de France. B. 26:73-78. Jan.1953. 41.9 R24
Includes discussion.

54773 PRIOUZEAU, M. T., and others. Hydatide polypapillaire du feuillet des Bovidés. Rec. de Méd. Vet. 129:26-33. Jan.1953. 41.8 R24
M. Priouzeau, G. Thiery, and H. Drieux, joint authors.

54774 RAITHBY, G. E. Dairy herd management. 13. Styles change in udders. Holstein-Friesian J. 16:18-19, 34. Apr.1953. 43.8 H743

54775 RAMAKRISHNAN, M., and ANANTHAPADMANABHAN, K. A preliminary note on the investigation into bovine paralysis in South Kanara District, Madras State. Indian Vet. J. 29:291-303. Jan.1953. 41.8 In2

54776 RECK, G. B. Die agglutination von Brucella abortus mit bakterienaufschwemmungen verschiedener kochsalzdichten. Giessen,1952. 19 p. 41.2 R242
Inaug.-Diss. - Justus Liebig-Hochschule, Giessen.

54777 REINEKE, E. P., and others. Hormonal induction of lactation in sterile cows. Amer. Vet. Med. Assoc. Proc. 89:325-328. Ref. 1952,pub.1953. 41.9 Un3
J. Meites, C. F. Cairy, and C. F. Huffman, joint authors.

54778 RIVERA ANAYA, J. D., and MARTINEZ DE JESUS, J. The extent of liver-fluke infestation of cattle in Puerto Rico (a slaughterhouse survey). P. R. (Rio Piedras). Agr. Expt. Sta. B. 107,16 p. Oct.1952. 100 P83

54779 ROBERTS, C. S. Nitrate poisoning of cattle from grazing green oats. Auburn Vet. 9:100-102. Winter 1953. 41.8 Au1

54780 ROBERTS, H. D. B., KAKAVAS, J. C., and BIDDLE, E. S. Studies on furacin-penicillin gel in treating bovine mastitis. No. Amer. Vet. 34:247-250. Apr. 1953. 41.8 N812

54781 ROBERTS, S. J. Mode of spread of infection, control measures, and treatment. Amer. Vet. Med. Assoc. Proc. 89:334-336. Ref. 1952,pub.1953. 41.9 Un3
Vibrionic abortion in cattle.

54782 ROLDAN, R. R. Uso del dipropionato de dietilestilbestrol en la patología de la reproducción de la vaca. Agron. y Vet. 2(16):11-15. (Cont.) Oct.1952. 9 Ag882

54783 ROSSI, P., and DEMEUSOIS, P. Anaplasmose bovine indigéne. 2. Acad. Vét. de France. B. 26:35-37. Jan.1953. 41.9 R24

54784 RUSSELL, M. Will your cows produce dwarfs? Colo. Rancher & Farmer 7(6):5,26. Mar.28,1953. 6 C714

54785 SAARINEN, P. A statistical study of the interrelations between certain mineral constituents of the blood of dairy cows. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 25:9-15. 1953. 20 Su7M

54786 SCHALM, O. W., and WOODS, G. M. The mastitis complex. Calif. Vet. 6(4):23. Mar./Apr.1953. 41.8 C12
Cattle.

54787 SCHAPER, W. Beitrag zur entstehung von missbildungen beim rind und pferd. Z. f. Tierzücht. u. Züchtbiol. 60:305-314. Ref. Dec.1952. 442.8 Z35

54788 SCHIESSLER, P. Neuere erkenntnisse über milchbildung und milchabgabe des euters. Osterr. Milchwirt. 8:61-62. Mar.7,1953. 44.8 Os72

54789 SCHNEIDER, F. L. Animal health. 9. Shipping fever in cattle. West. Live Stock 38(8):13,21. Mar.1953. 49 W523

54790 SCHNEIDER, F. L. Brucellosis in New Mexico cattle. N. Mex. Stockman 18(3):44,68-69. Mar.1953. 49 N462

54791 SCHROEDER, C. R. Rabies in Central and South America. Amer. Vet. Med. Assoc. Proc. 89:411-412. 1952,pub.1953. 41.9 Un3
Chiefly cattle.

54792 SCHULTZ, L. H. Ketosis in dairy cattle. Holstein-Friesian World 50:792,839. Apr.4,1953. 43.8 H742

54793 SEIDEN, R. Mastitis and teat remedies. Dairyman & Dairy Engin. 70:197,199,213. Apr.1953. 44.8 D1426

54794 SETINSKI, Z., and HAJSIG, M. Systematical investigation of the incidence of trichomoniasis in bulls. (In Serbo-Croatian.) Vet. Arh. 22:259-275. Ref. 1952. 41.8 V6416
English summary.
Yugoslavia.

54795 SHAHAN, J. T. Let's look inside the cow. Gulf Coast Cattleman 19(2):20-21. Apr.1953. 43.8 G95
Digestion.

54796 SHAW, J. C., and others. Studies on ketosis in dairy cattle. XVI. The pituitary-adrenal cortical syndrome. No. Amer. Vet. 34:251-256. Ref. Apr.1953. 41.8 N812
B. C. Hatziolos, E. C. Leffel, A. C. Chung, and J. Gilbert, joint authors.

54797 SHIPPING fever special research subject. Colo. Farm & Home Res. [Colo. Sta.] 3(5):2-4. Jan./Feb. 1953. 100 C712Co
Young cattle.

54798 SJOLLEMA, B. Grass tetany of dairy cattle in the last century and between the two world wars. (In Dutch.) Gelders Landbbl. 16(9):9-10. Feb.26,1953. 12 G282

54799 SMITH, D. E., and RAWSON, D. W. Diagnosis and treatment of traumatic gastritis. Iowa State Col. Vet. 15:83-87. 1953. 41.8 V6425
Cattle.

54800 SPARAPANI, G. C. Opportunity of applying the sero-lacto-precipito-reaction in determining the eventual existence of distomatosis in dairy cattle and sheep. (In Italian.) Latte 27:93-94. Feb.1953. 44.8 L35

54801 STASKIEWICZ, G. A contribution to the pharmacological action of Oleum terebinthinae on the isolated uterus of cattle. (In Polish.) Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. DD 6:407-416. Ref. 1952. 512 L96Ad
English summary.

54802 STEWART, R. E. Absorption of solar radiation by the hair of cattle. Agr. Engin. 34:235-238. Apr.1953. 58.8 Ag83

54803 STOWE, C. M. Sulfisoxazole—some aspects of its pharmacology in dairy cattle. Amer. Vet. Med. Assoc. J. 122:315-318. Apr.1953. 41.8 Am3

54804 SUPPERER, R. Die coccidien des rindes in Osterreich. Osterr. Zool. Z. 3:591-601. Ref. 1952. 410 Os7

54805 TALSMA, D. Chronic calving fever, acetonemia. (In Dutch.) Doelmatige Veehouderij 1:131-133. Sept.1952. 49 D67

54806 TERACHE, P. Le lait de consommation: une spécialité. I-II. Sillon Belge 23(550):1,3; (551):1,3. Mar.7-14,1953. 13 Si3
Effects of cattle disease, and butterfat content.

54807 THIEME, E. Zystenleber vom kalb. Berlin. u. Münch. Tierärztl. Wchnschr. 66:74-75. Mar.1,1953. 41.8 B45

54808 THOMAS, D. L., and others. Shipping fever complex in cattle. Speculum 6(2):12-13,53. Winter 1953. 41.8 Sp3
O. G. Bentley, N. B. King, and E. W. Klosterman, joint authors.

54809 TUCKER, R. Teratomorphic dentition in cattle. Austral. Vet. J. 29:31. Jan.1953. 41.8 Au72

54810 TURNBULL, J. O. The shipping fever problem. Canad. J. Compar. Med. 17:129-133. Mar.1953. 41.8 C162
In cattle.

54811 TURNER, C. W. Veterinary uses of pituitrin. Vet. Med. 48:156. Apr.1953. 41.8 M69
To increase milk production.

54812 USUELLI, F., PIANA, G., and CURTO, G. M. On the secretory importance and on the mode of action of oxytocin during parturition. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1677-1679. Aug./Oct.1952. 442.8 So12
Chiefly observations on cattle.

54813 VALCARENGHI, E. Control of epizootic abortion in cattle. (In Italian.) Nuova Agr. Milan. 22: 1-2. Nov.15,1952. 16 C153

54814 WALKER, R. H. The clinical evaluation of mixed sulfonamides in bovine practice. Vet. Med. 48:141-146. Ref. Apr.1953. 41.8 M69

54815 WARGNIEZ, M. Léiomyome du col utérin chez une vache. Rec. de Méd. Vet. 129:16-17. Jan.1953. 41.8 R24

54816 WARNER, E. A. Dehorning calves the easy way. West. Dairy J. 9(6):36. Apr.1,1953. 44.8 W524

54817 WESTCOTT, R. W. Choosing the site for a cesarean section in the cow. Amer. Vet. Med. Assoc. Proc. 89:340-341. 1952,pub.1953. 41.9 Un3

54818 WHEAT, J. D. Some diseases of cattle requiring surgical treatment. Amer. Vet. Med. Assoc. Proc. 89:320-321. 1952,pub.1953. 41.9 Un3
Hematoma of the penis and interdigital growths in bulls.

54819 WHITE, E. A., and MCCHESNEY, A. E. Television broadcast—bovine cesarean section. Amer. Vet. Med. Assoc. Proc. 89:342-345. 1952,pub.1953. 41.9 Un3

54820 WIGGINS, A. M. Johnsongrass poisoning. Auburn Vet. 9:77-79. Winter 1953. 41.8 Au1
In cattle.

54821 WILLIAMS, E. I., and EVANS, E. T. R. The successful treatment of severed superficial and deep flexor tendons in a dairy cow. Vet. Rec. 65:189-190. Mar.21,1953. 41.8 V641

54822 WILSON, G. S., BLACKLOCK, J. W. S., and REILLY, L. V. Non-pulmonary tuberculosis of bovine origin in Great Britain and Northern Ireland. London, Natl. Assoc. for the Prevention of Tuberc.,1952. 107 p. 448 W69

54823 WILSON, S. G., and FAIRCLOUGH, R. A preliminary note on treatment of T. congolense infections with ethidium bromide in cattle in Kenya Colony. Vet. Rec. 65:201-202. Mar.28,1953. 41.8 V641

54824 WITHERS, F. W. Mortality rates and disease incidence in calves in relation to feeding, management and other environmental factors. VI. Brit. Vet. J. 109: 122-131. Ref. Mar.1953. 41.8 V643

54825 WRIGHT, N. Diseases of cattle; some common cattle poisons. Canad. Cattlemen 16(4):30-31. Apr.1,1953. 49 C16

Miscellaneous

54826 AMERICAN ROYAL DAIRY CATTLE SHOW: Official catalog, 4th annual, American Royal Building, Kansas City, May 4-10, 1952. Kansas City,1952. 64 p. 43.9 Am3930

54827 AMSCHLER, J. W. Vorbereitung zur freilandhaltung. Bauer 6(11):2-3. Mar.14,1953. 19 B32
Austria.

54828 ARMSTRONG, J. Dairy research simplified by identical twins. Kans. Agr. Student 29(4):8. Mar.1953. 276.8 K13

54829 BAR-ANAN, R. More on the Jordan Valley cattle show. (In Hebrew.) Hassadeh 33:225-226. Jan. 1953. 26 H27

54830 BARAT, A. G. Le rôle des organisations de l'élevage bovin. Rev. de l'Elevage 8(spec.no.Vache Lait.): 97-99. 1953. 49 B462

54831 BARNARD, W. G. The cattle of the Swazi. Swaziland. Vet. Dept. Mpisi Ser. 3,12 p. June 1952. 43.9 Sw2

54832 BERGE, S. Milk yield and one-egg diagnosis. (In Norwegian.) Norges Landbrhøgsk. Meld. 32:235-252. 1952. 104 N762M
English summary.

54833 BONDE, N. Milk and butter yields of the cattle in the herd associations in Jutland, 1951-52. (In Danish.) Jydsk Landbr. 35:196-199. Mar.19,1953. 11 J99

54834 BRATLIE, O. Laerebok i maskinmjølking [Textbook in mechanical milking]. Ed. 2, rev. Oslo, Norske Melkeprodusenters Landsforbund,1952. 102 p. 44 B733L

54835 BRUUN, H. Progeny tests and calculation of returns. (In Danish.) Jerseybladet 46:134-135. Feb.1953. 43.8 J485

54836 COEURET, M. L'élevage des bovins dans la Sarthe; son amélioration. Paris,Foulon,1952. 70 p. Ref. 43 C65
Thèse - École Nationale vétérinaire, Alfort.

54837 DELAGE, J. A la recherche d'un élevage rentable. Rev. de l'Elevage 8(spec.no. Vache Lait.):111-113. 1953. 49 B462

54838 DELAGE, J. La traite. Rev. de l'Elevage 8(spec.no.Vache Lait.):87,89. 1953. 49 B462

54839 DOEKSEN, J., and HEIJBOER, D. C. Het omrekenen van melkvee tot standaardkoeien. The conversion of dairy cattle into standard cows. Netherlands. Dir. van de Landb. Verslagen van Landbk. Onderz. 58(7), 32 p. 1952. 105.2 V61V

54840 DYRBYE, N. Rationalization of herd associations. (In Danish.) Dansk Landbr. 72:157-158. Mar.26, 1953. 280.28 V91

54841 ENGELER, W. Influence of altitude on milk production. (In Italian.) Riv. di Zootec. 26:38-39. Feb. 1953. 49 R52

54842 ENGELER, W., and KUTSAL, A. Zusammenhänge zwischen einzelkontrollabschluss und lebensleistung bei milchkühen. Schweiz. Landwirt. Monatsh. 31: 89-94. Mar.1953. 17 Sch93

54843 FAGOT, V. Considerations sur le concours provincial du Hainaut. Sillon Belge 23(552):21. Mar.21, 1953. 13 Si3
Judging cattle.

54844 FERRARI, E. Exercising cattle of the dairy breeds on the Lombardy Plain. (In Italian.) Riv. di Zootec. 26:40-41. Feb.1953. 49 R52

54845 FIEDLER, H. Untersuchungen über die brauchbarkeit von vergleichsmassstäben für den müttertöchter-vergleich im zuchtgebiet des Oberschwäbischen Fleckviehzuchtverbandes. Z. f. Tierzücht. u. Züchtbiol. 60:353-394. Ref. Dec.1952. 442.8 Z35

54846 FLINT W. E. Your 4-H beef calf. N. Mex. Agr. Col. Ext. C. 237,16 p. Jan.1953. 275.29 N463E

54847 FOOT, A. S. Report on the milking trials dairy show, 1951. Brit. Dairy Farmers' Assoc. J. 56:58-155. 1952. 44.9 B77

54848 GIFFORD, W. Records-of-performance tests for beef cattle in breeding herds; milk production, milk production of dams and growth of calves. Ark. Agr. Expt. Sta. B. 531,34 p. Ref. Feb.1953. 100 Ar42

54849 GOODYEAR, F. Visit to Holland, land of good cattle and good cattlemen. II. Ohio Holstein News 17(2): 18,35,39-40. Apr.1953. 43.8 Oh3

54850 GOOSKENS. Successful work of herd associations. (In Dutch.) Stamboeker 35:31-32. Mar.12,1953. 43.8 V58

54851 GREVE, C. Are our control records kept for the county agents or for the owners of the herds? (In Danish.) Jydsk Landbr. 35:149-150. Feb.26,1953. 11 J99
Dairy cattle.

54852 GROOT, T. DE. Danish cattle raising. (In Dutch.) Boerderij 37(27):5-6. Apr.1,1953. 12 B63

54853 GROVES, P. K. Know the regulations. Shorthorn World 37(21):11,77-79. Feb.15,1953. 43.8 Sh7
Rules of registration.

54854 HALDANE, A. R. B. The drove roads of Scotland. London,Nelson,1952. 266 p. 280.343 H12

54855 HELDEN, P. J. J. VAN, and HUISMAN, L. H. Machinaal melken [Mechanical milking]. Inst. v. Landbtech. en Rationalisatie. P. 23,82 p. Dec.1952. 58.9 W12

54856 HENDRIKSE, D. Some items that need attention during stabling. (In Dutch.) Doelmatige Veehouderij 1:184-186. Dec.1952. 49 D67
Cattle.

54857 HOGREVE. Typ und lebensalter in der landesrinderzucht. Landbforsch. Völkenrode 3:16-17. Jan.1953. 18 L2353

54858 HUNT, H. Better Dairying Competition 1952. Tasmanian J. Agr. 24:69-78. Feb.1,1953. 23 T182T

54859 HURTT, L. C. Cattle cycles: can we minimize them? Amer. Hereford J. 43(22):58,194. Mar.15,1953. 43.8 Am32

54860 HYATT, G., MURLEY, W. R., and AREY, J. A. Steps to good milking. N. C. Agr. Col. Ext. Folder 99,6 p. Feb.1953. 275.29 N811Ex

54861 JOHANSSON, J. Milking. (In Swedish.) Mjölkpropagandan 30:80. Mar.1953. 44.8 M692

54862 KOPPARBERGS LANS HUSHALLNINGS-SALLSKAP. Report on the activities of the control association in Kopparberg Province for the control year 1951-1952. (In Swedish.) Lantbrtidskr. f. Dalarna 1:1-32. Feb.1953. 11 L29

54863 LAKSESVELA, B., HOMB, T., and BREIREM, K. Milk yield and profit of milk production at different seasons of calving. III. Opstad. (In Norwegian.) Norges Landbrhøgsk. Meld. 32:151-183. Ref. 1952. 104 N762M
English summary.

54864 LEROY, A. M., and others. Les courbes de lactation: leur intérêt en élevage. Acad. d'Agr. de France. Compt. Rend. 39:97-102. Jan.14/21,1953. 14 P215Bc
H. Heim de Balsac, J. Delage, and J. Poly, joint authors.

54865 LOUGHARY, I. W. Cull for profit, not certificates. Wash. Farmer 78:177,215. Mar.5,1953. 6 R151
Dairy cattle.

54866 MACKINTOSH, J. Report on the lactation-production-inspection classes, dairy show, 1951. Brit. Dairy Farmers' Assoc. J. 56:156-172. 1952. 44.9 B77

54867 NEAL, E. M., JONES, J. H., and HALL, R. A. Farm steer beef production. Cattleman 39(11):118,120, 122. Apr.1953. 49 C29
At Beeville Experiment Station.

54868 NORDQUIST, A. V. Are the U. S. cattle estimates too high? Cattleman 39(11):124-125. Apr.1953. 49 C29

54869 PABST FARMS. Herd management instructions 1952. Holstein-Friesian World 50:891-893,901. Apr.18, 1953. 43.8 H742

54870 PACI, C. The measurement of productivity in cattle. (In Italian.) Clin. Vet. 76:53-56. Feb.1953. 41.8 C61
Milk, meat and labor.

54871 PARDI, M. G. Aspects of slaughter livestock of central Brazil. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):22. 41.9 So13
Cattle.

54872 PATTERSON, P. J. More beef--fewer cows. Country Gent. 123(4):106,108. Apr.1953. 6 C833
Herd improvement program in Colorado.

54873 PEGG, S. E. Dairy farming; herd production improvement scheme. Report on group herd recording for the year ending September 30, 1951. Queensland Agr. J. 75:353-362. Dec.1952. 23 Q33

54874 PERRON, J. Sauvons les veaux! Ils valent des millions de dollars. B. des Agr. 35(3):25,65-66. Mar.1953. 7 B872

54875 PERSSON, C. J. Gödboskapsuppfödningen i storbritannien [Beef cattle production in Great Britain]. Jordbr. Utredningsinst. Meddel. 3,42 p. 1952. 11 St63M
English summary.

54876 POHL, A. Jungstieraufzucht. Bauer 6(13):2-5. Mar.28,1953. 19 B32

54877 POHLER. Zum DLG-bewertungsschema für leistungsmelken. Bl. f. den Melker, p.3-4. In Unser Milchvieh 5(3). Mar.1953. 43.8 Un7

54878 PROULX, J. R. Les veaux d'aujourd'hui sont les vaches de demain. Ferme 14(7):32,54-56. Mar.1953. 7 F38

54879 RALSTON PURINA CO. How to make champions the Purina way. St. Louis,1952. 8 p. 43 R134Ht
Judging dairy cattle.

54880 RIBEIRO, P. DE A., and BARBUTO, O. J. M. Condemnations of slaughter cattle and swine in central Brazil from 1936 to 1951. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):53-54. 41.9 So13

54881 RITCHIE, A. G. The official Australian Pure-Bred Dairy Cattle Production Recording Scheme; annual report, 1951-52. Tasmanian J. Agr. 24:60-68. Feb.1, 1953. 23 T182T

54882 ROY, J. H. B. Some aspects of calf rearing for milk production. Milk Indus. 33(9):74-76. Mar.1953. 44.8 M593

54883 SCHOPFLOCHER, R. El novillo en la chacra mixta. Chacra 23(268):12-13. Mar.1953. 9 C34

54884 SCHROODER, A. Only experienced hand milkers make good users of milking machines. (In Dutch.) Doelmatige Veehouderij 1:169-172. Nov.1952. 49 D67

54885 SCOTET, J. L. Tendances actuelles de la production bovine dans le Finistère. Paris,Foulon,1952. 70 p. Ref. 43 Sco3
Thèse - École Nationale Vétérinaire, Alfort.

54886 SENTEX, J. Le contrôle laitier-beurrier. Rev. de l'Elevage 8(spec.no.Vache Lait.):101-103. 1953. 49 B462
France.

54887 SIBLEY, J. R. More about production testing. Jersey B. 72:395,418,420. Mar.25,1953. 43.8 J48

54888 SIDDHIJAI, P. Milk buffaloes. (In Siamese.) Kasikorn 25:468-473. Nov.1952. 22.5 K15
English summary.

54889 SILLCOCK, K. M. Dairy Production Improvement Competition. Victoria. Dept. Agr. J. 51:66. Feb. 1953. 23 V66J

54890 SOSSA B., H., and others. Fomento de la producción de ganado vacuno y sus derivados. Agr. del Norte 42:80-88. May/July 1952. 9.3 So14
M. Cornejo M., Z. Gomez, and G. Gomez, joint authors.

54891 STAPEL, K. P. La ganadería chilena llamada a alcanzar grandes progresos. Agrario 17(436):24-25. 1952. 9.3 Ag85
Cattle.

54892 STAPELBERG, J. H. What is the future of your calf? (In Afrikaans.) So. African Dairyman 15:20. Jan.1953. 44.8 So822
Care.

54893 SUÁREZ NELSON, M. Cuidado de las vacas lecheras. Chacra 23(268):14. Mar.1953. 9 C34

54894 TRELLES, A. Ganadería bovina en la sierra peruana. Mensajero Agr. 78:31-32. (Cont.) Dec.1952. 9.8 M52

54895 TUNDISI, A. G. A., and SANTIAGO, A. A. Improvement of slaughter livestock. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.): 61. 41.9 So13
Cattle.

54896 TUREK, F. Für den stierhalter. Bauer 6(9): 2-4. Feb.28,1953. 19 B32
Care.

54897 TURNER, N. Herdsmanship. London,Faber and Faber,1952. 236 p. 43 T85
Dairy cattle.

54898 UVAROV, N. Experiment in increasing the fat content of milk by the application of hot compresses to the udder of cows. (In Russian.) Sovet. Zootekh. 8:74-76. Jan.1953. 49 So822

54899 VEST, G. New Mexico. Aberdeen-Angus J. 34(9):64-67,232,234,236. Apr.1953. 43.8 Ab3
Beef cattle.

54900 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Results of 1952-53 production testing of beef bull calves, Whitman County, Washington. Wash. Agr. Expt. Sta. C. 216,12 p. Mar.1953. 100 W27S
Rate of gain and feed efficiency.

54901 WOLTERS, F. A., and others. Slaughter calf production in the Brazos River Valley. Tex. Livestock J. 12(2):8. Feb.1953. 49 T29
W. G. Wilson, J. E. Roberts, and J. H. Jones, joint authors.

54902 ZAYAS, C. Trabajando ganado en California. Rev. Ganad. [Habana] 13(3):26-28,64. Mar.1953. 49 R321

DOGS AND CATS

Breeds and Breeding

54903 ALLGEMEINER DEUTSCHER ROTTWEILER-KLUB. Zucht- und körbuch, v.34/35, 1950/1951. Stuttgart,1952. 127 p. 48.9 AL3

54904 BAYLDON, R. C. 1,000 years of Spaniels. Field 201:419. Mar.12,1953. 10 F45

54905 BRANA, A. Le Teckel. Chasse, Chiens et Vénérie (n.s.)14(3):17. Mar.1953. 48.8 C43

54906 IRISH KENNEL CLUB. Details of registrations effected for the period January to December 1952. n.p., 1953. various pagings. 48.9 Ir42D

54907 JUDE, A. C. Genetics and colour inheritance. All-Pets Mag. 24(4):80-81,84. Apr.1953. 48.8 AL5
Cats.

54908 LAMPSON, S. M. The breeding of the Dachshund. Country Life [London] 113:899. Mar.27,1953. 80 C83

54909 LAMPSON, S. M. The qualities of the Keeshond. Country Life [London] 113:727. Mar.13,1953. 80 C83

54910 LANPHERE, H. Let's not go overboard. Wagging Tail 7(10):2-4. Mar.1953. 48.8 W12
Cocker Spaniel genetics.

54911 LESSARD, C. Encore l'Epagneul Breton. Chasse, Chiens et Vénérie (n.s.)14(3):23. (Cont.) Mar. 1953. 48.8 C43

54912 LONNHAMMAR, I. R. More on our dog breeds. (In Swedish.) Skand. Kreatursförsäkringsbol. Månadsbl. 31:22-23. Feb.1953. 49.9 Sk1

54913 MANBRE, M. Parlons de nos Fox-Terriers. Chasse, Chiens et Vénérie (n.s.)14(3):24. Mar.1953. 48.8 C43

54914 MELLERIO, M. Le Griffon Fauve de Bretagne. Chasse, Chiens et Vénérie (n.s.)14(3):25-27. Mar.1953. 48.8 C43

54915 SILVER, J. What is a Split Harlequin? N. Z. Dog World 8:13. Feb.1953. 48.8 N48

54916 VARDEHAUG, A. Sheep on pasture. VIII. The Buhund. (In Norwegian.) Landbrukstidende 59:164-167. Mar.4,1953. 11 L236

54917 VARDEHAUG, A. Sheep on the pasture. IX. The Norwegian Buhund. (In Norwegian.) Landbrukstidende 59:188-191. Mar.11,1953. 11 L236
Training.

Feeds and Feeding

54918 SCHWEIGERT, B. S., and others. Use of inedible fats in dry dog foods and poultry rations. (Report of work carried out under contract with the United States Department of Agriculture.) Amer. Meat Inst. Found. B. 15,11 p. Oct.1952. 50.9 Am322
A. J. Stedler, L. R. Dugan, and J. F. Neumer, joint authors.

Veterinary Medicine

54919 ADAIR, H. S. Blue tail lizard. Auburn Vet. 9: 75,117-118. Winter 1953. 41.8 Au1
Cause of poisoning in a cat.

54920 ARCHIBALD, J., CHAPPEL, C. L., and GRAHAM, J. B. Radical enterectomy in colonic coprostasis. No. Amer. Vet. 34:264-269. Apr.1953. 41.8 N812
In a dog.

54921 ATZORI, L. Clinical contribution to the early diagnosis of rabies. (In Italian.) Clin. Vet. 76:22-25. Jan.1953. 41.8 C61
Case of a dog.

54922 BAKER, J. A. Infectious hepatitis. (Abs.) Calif. Vet. 6(4):16. Mar./Apr.1953. 41.8 C12

54923 BIENFET, V. De la réaction épithélioïde à la cellule géante tuberculeuse. A propos d'un cas de tuberculose généralisée avec pareilles cellules chez le chien. Ann. de Méd. Vét. 97:1-22. Ref. Jan.1953. 41.8 An78

54924 BORGMAN, R. F. Is Capillaria plica harmless? M. S. C. Veterinarian 13:111. Winter 1953. 41.8 M582
In dogs.

54925 BROWN, R. An interesting case of intestinal intussusception. M. S. C. Veterinarian 13:108. Winter 1953. 41.8 M582
Dog.

54926 BURROUGHS, H. E. Methadon narcosis in dogs, a clinical report. J. Small Anim. Med. 1:301-303. Jan./Feb.1953. 41.8 J828

54927 CATCOTT, E. J. When are dogs treated prophylactically with rabies vaccine? Speculum 6(2):18. Winter 1953. 41.8 Sp3

54928 CHAMBERLAIN, D. M., DOCTON, F. L., and COLE, C. R. Toxoplasmosis. II. Intra-uterine infection in dogs, premature birth and presence of organisms in milk. Soc. Expt. Biol. & Med. Proc. 82:198-200. Feb. 1953. 442.9 So1

54929 CHARBIT, C. Sur un cas de hernie discale, chez le chien. Rev. de Méd. Vét. [Toulouse] 103:791-794. Nov.1952. 41.8 R32

54930 COTCHIN, E., and HALL, L. W. A malignant meningioma invading the cerebellum of a dog. Brit. Vet. J. 109:116-118. Mar.1953. 41.8 V643

54931 DARRASPEN, E., FLORIO, R., and MAZIERE, C. Cholinestérase sérique et insuffisance hépatique du chien et du cheval. Soc. de Biol. Compt. Rend. 146:1725-1728. Nov.1952. 442.9 P21

54932 DEUBLER, M. J. Classification of anemia in the dog. Amer. Vet. Med. Assoc. Proc. 89:201-202. 1952,pub.1953. 41.9 Un3

54933 DIETRICH, W. Typendifferenzierung der hunde-leptospirosen in Frankfurt/M. und umgebung. Tierärztl. Umschau 8:89-91. Mar.1953. 41.8 T445

54934 DRAPER, W. B., and WHITEHEAD, R. W. Diffusion respiration in the dog anesthetized with pentothal sodium. J. Small Anim. Med. 1:363-374. Ref. Jan./Feb.1953. 41.8 J828

54935 DRAYER, J. H. Dog show veterinarian. Speculum 6(2):17,56. Winter 1953. 41.8 Sp3
As an occupation.

54936 DUFOUR, Y. La tyrothricine dans la pathologie chirurgicale des petits carnivores. Paris,Foulon, 1952. 59 p. Ref. 396 D87
Thèse - École Nationale Vétérinaire, Alfort.
Dogs and cats.

54937 DUJARRIC DE LA RIVIERE, R., and EYQUEM, A. Groupes sanguins des animaux: groupes sanguins des chiens. Rec. de Méd. Vet. 128:493-501. Ref. Aug.1952. 41.8 R24

54938 EMMERSON, M. A. X-ray therapy of some small animal diseases. Amer. Vet. Med. Assoc. Proc. 89:232-243. Ref. 1952,pub.1953. 41.9 Un3
Chiefly dogs.

54939 FREDERICKSON, L. E., and others. Mass immunization of dogs against rabies. Amer. J. Pub. Health 43:399-404. Ref. Apr.1953. 449.9 Am3J
J. S. Willett, J. E. Smith, and E. R. Price, joint authors.

54940 GANAPATHY, M. S., RANGANATHAN, M., and HEDGE, V. R. Otitis externa in dogs—therapy with aureomycin. Indian Vet. J. 29:353-357. Jan.1953. 41.8 In2

54941 GERMAIN, L. La radiothèrapie au service du vétérinaire. Étude concernant le chien; indications, modalités d'application. Paris,Foulon,1952. 58 p. Ref. 41.2 G317
Thèse - École Nationale Vétérinaire, Alfort.

54942 GILLESPIE, J. H. Clinical features of infectious canine hepatitis. Amer. Vet. Med. Assoc. Proc. 89:224-225. 1952,pub.1953. 41.9 Un3

54943 GORET, P., and others. Sensibilité du chiot à l'allaitement au virus de l'hépatite contagieuse du chien. Acad. Vét. de France. B. 26:41-51. Jan.1953. 41.9 R24
L. Joubert, F. Lucam, and C. Flachat, joint authors.
Includes discussion.

54944 GREENE, J. E. Cataract. Auburn Vet. 9:82-86. Winter 1953. 41.8 Au1
Dogs.

54945 GUMP, R. H. Foreign body in cat's tongue. Vet. Med. 48:167. Apr.1953. 41.8 M69

54946 HADLOW, W. J. Adrenal cortical atrophy in the dog, report of three cases. Amer. J. Path. 29:353-361. Mar./Apr.1953. 448.8 Am39

54947 HALL, H. C. Methadone, scopolamine, and nembutal anesthesia in 15 dogs. Amer. Vet. Med. Assoc. J. 122:289-290. Apr.1953. 41.8 Am3

54948 HOERLEIN, B. F. The treatment of intervertebral disc protrusions in the dog. Amer. Vet. Med. Assoc. Proc. 89:206-212. Ref. 1952,pub.1953. 41.9 Un3

54949 HOLZ, J. Zur diagnostik der toxoplasmose des hundes. Tierärztl. Umschau 8:88-89. Mar.1953. 41.8 T445

54950 ILIJAS, B. The gravidity of the cat in X-ray pictures. (In Serbo-Croatian.) Vet. Arh. 22:286-297. Ref. 1952. 41.8 V6416
English summary.

54951 JAMES, O. D. Use of "implantin" in perianal adenomata in aged dogs. Vet. Rec. 65:190. Mar.21,1953. 41.8 V641

54952 JENNY, J. Today's standard of fracture treatment in small animals. Amer. Vet. Med. Assoc. Proc. 89:187-190. 1952,pub.1953. 41.9 Un3
Dogs.

54953 JOSHUA, J. O. Two cases of surgical repair of tendons in cats. Vet. Rec. 65:174-175. Mar.14,1953. 41.8 V641

54954 KINGMA, F. J., and CATCOTT, E. J. Foreign bodies in the canine alimentary tract. Amer. Vet. Med. Assoc. Proc. 89:192-197. 1952,pub.1953. 41.9 Un3

54955 LAMOUROUX, and LEBEAU. Cancer oesophagien chez un chat. Acad. Vét. de France. B. 26:85-86. Jan.1953. 41.9 R24

54956 LASFARGUES, E., and CORVAZIER, R. Culture in vitro du virus de Carré en présence de tissus embryonnaires de poulet. Soc. de Biol. Compt. Rend. 146:1713-1715. Nov.1952. 442.9 P21

54957 LASFARGUES, E., and LASFARGUES, J. Inclusions cytoplasmiques provoquees par l'agent de la maladie de Carré dans les fibroblastes d'embryon de poulet cultivés "in vitro". Soc. de Biol. Compt. Rend. 146:1711-1713. Nov.1952. 442.9 P21

54958 LEONARD, E. P. Diseases of the anal sacs. Amer. Vet. Med. Assoc. Proc. 89:202-203. 1952,pub. 1953. 41.9 Un3
Dogs.

54959 LUCAM, F., and others. Ovoculture des virus de la maladie de Carré et de l'hépatite contagieuse du chien. Acad. Vét. de France. B. 26:67-72. Jan.1953. 41.9 R24
P. Goret, L. Joubert, and A. Poussot, joint authors.

54960 MCCLELLAND, R. B. The practitioner's viewpoint of public health authorities' appraisal of rabies. Amer. Vet. Med. Assoc. Proc. 89:415-416. 1952,pub. 1953. 41.9 Un3
In dogs.

54961 MCGRATH, J. T., MARK, J. H., and SKELLEY, J. F. Convulsions in dogs, with some clinico-pathological observations. Amer. Vet. Med. Assoc. Proc. 89:220-223. 1952,pub.1953. 41.9 Un3

54962 MANN, P. H., and FRATTA, I. Transplantation of adult heartworms, Dirofilaria immitis, into dogs and cats. J. Parasitol. 39:139-144. Ref. Apr.1953. 448.8 J824

54963 MANOGUE, L. J. Rutol, a new key to the control of chorea. Allied Vet. 24(2):19-21. Mar./Apr.1953. 41.8 AL5
In dogs.

54964 MARK, J. H. Epizootiology of infectious canine hepatitis. Amer. Vet. Med. Assoc. Proc. 89:226-228. 1952,pub.1953. 41.9 Un3

54965 MARTIN, L. A., and GORET, P. Sensibilité du chien à l'inoculation expérimentale de deux souches de virus du groupe hépato-neurotrope isolées chez l'homme. Acad. Vét. de France. B. 26:53-66. Ref. Jan. 1953. 41.9 R24

54966 MARTINEZ BARRIOS, C. Cosas de la rabia. Campesino [Guatemala] (ser.3)61/63:21-22. May/July 1952. 8 C154
Dogs.

54967 MASKAR, U. Uber die experimentell erzeugte entwicklung des hundebandwurmes (Mesocestoides lineatus) aus den Dithyridien von huhn und igel. Schweiz. Arch. f. Tierheilk. 95:188-193. Ref. Mar.1953. 41.8 Sch9
English summary.

54968 MICHELAT, J. Les néoplasies des doigts chez les carnivores domestiques. Paris,Foulon,1952. 66 p. Ref. 41.2 M586
Thèse - École Nationale Vétérinaire, Alfort.

54969 MILLAR, J. A. S., ZEPP, C. P., and ZEPP, C. P., JR. Television broadcast—an operation to establish drainage of the external ear canal. Amer. Vet. Med. Assoc. Proc. 89:244-246. 1952,pub.1953. 41.9 Un3
Case of a dog.

54970 MILLAR, J. A. S., BARTO, L. R., and WHEAT, J. D. Television broadcast—anal gland therapy and extirpation of the anal gland. Amer. Vet. Med. Assoc. Proc. 89:204-206. 1952,pub.1953. 41.9 Un3
Dogs.

54971 MILLAR, J. A. S., and HOFFMAN, W. F. Television broadcast—intestinal anastomosis. Amer. Vet. Med. Assoc. Proc. 89:197-199. 1952,pub.1953. 41.9 Un3
Case of a dog.

54972 MILLAR, J. A. S., and BLAKELY, C. L. Television broadcast—mammectomy in the bitch. Amer. Vet. Med. Assoc. Proc. 89:362-364. 1952,pub.1953, 41.9 Un3

54973 MOWRY, R. L. Post vaccinal (rabies) encephalitis. M. S. C. Veterinarian 13:102-103. Winter 1953. 41.8 M582
Dog.

54974 MURPHY, J. B. Osteomylitic spondylitis in a dog. Auburn Vet. 9:80-81. Winter 1953. 41.8 Au1

54975 NESERKE, E. I. Orchitis and varicocele of an undescended testicle. Amer. Vet. Med. Assoc. J. 122: 310-311. Apr.1953. 41.8 Am3
In a dog.

54976 NIELSEN, S. W. Clinical aspects of mastocytoma in dogs. Amer. Vet. Med. Assoc. Proc. 89:212-218. 1952,pub.1953. 41.9 Un3
Includes discussion.

54977 PASQUINI, D. On canine filariasis. (In Italian.) Zooprofilassi 8:58,60-64. Feb.1953. 41.8 Z72

54978 PENNY, S. G. Blood substitutes or plasma extenders for small animal practice. Vet. Med. 48:151-156. Ref. Apr.1953. 41.8 M69

54979 PINKIEWICZ, E. Observations on the appearance of leukergy in dogs. (In Polish.) Lublin. U. M. Curie-Sklodowskiej. Ann. Sect. DD 6:353-366. Ref. 1952. 512 L96Ad
English summary.

54980 POPPENSIEK, G. C. Immunology of infectious canine hepatitis. Amer. Vet. Med. Assoc. Proc. 89:228-229. 1952,pub.1953. 41.9 Un3

54981 RISER, W. H. Pathology of infectious canine hepatitis. Amer. Vet. Med. Assoc. Proc. 89:225-226. 1952,pub.1953. 41.9 Un3

54982 SAIZ MORENO, L. Gusanos intestinales parásitos de los perros; su importancia sanitaria y epizotiológica. B. de Divulg. Ganad. [Ciudad Real] 7(76/78):23-27. Oct./Dec.1952. 49.9 Sp14

54983 SANTUCCI, J., HAAG, J., and SENDRAL, R. A propos d'un cas de filariose canine. Rec. de Méd. Vét. 129:155-156. Mar.1953. 41.8 R24

54984 SCHOENING, H. W. Controlling canine rabies. Amer. Vet. Med. Assoc. Proc. 89:412-413. 1952,pub. 1953. 41.9 Un3

54985 SODERBERG, P. M. Hard pad. All-Pets Mag. 24(4):75,78-79. Apr.1953. 48.8 AL5

54986 STEPHENSON, H. C. Treatment of chronic otitis and surgical preparation for aural cartilage resection. Amer. Vet. Med. Assoc. Proc. 89:243-244. 1952,pub.1953. 41.9 Un3
Dogs.

54987 STOCKTON, A. E. Thoracic (intrapleural) pentobarbital anesthesia in cats, a clinical method. J. Small Anim. Med. 1:304. Jan./Feb.1953. 41.8 J828

54988 SZLACHTA, H. L., and HABEL, R. E. Inclusions resembling Negri bodies in the brains of nonrabid cats. Cornell Vet. 43:207-212. Ref. Apr.1953. 41.8 C81

54989 THOMAS, E. F. Schlatter's disease in a pup. Amer. Vet. Med. Assoc. J. 122:275. Apr.1953. 41.8 Am3

54990 TIERKEL, E. S. Some factors in the appraisal of rabies control methods. Amer. Vet. Med. Assoc. Proc. 89:407-409. 1952,pub.1953. 41.9 Un3
Dogs.

54991 TUCKER, R. Dental attrition in the wild dog. Austral. Vet. J. 29:27-29. Ref. Jan.1953. 41.8 Au72

54992 TUCKER, R. Minimising of the articular facies of the glenoid cavity in the canine cross-breed. Austral. Vet. J. 29:29-31. Jan.1953. 41.8 Au72

54993 WATERS, M. B. Hereditary slip stifle. Cocker Spaniel Visitor 15(2):7-11. Feb.1953. 48.8 C64

54994 WHITNEY, L. F., and WHITNEY, G. D. The distemper complex. Orange,Conn.,Pract. Sci. Pub. Co., 1953. 219 p. Ref. 41 W61D

54995 ZEISSIG, A. Will vaccination of dogs control rabies? Amer. Vet. Med. Assoc. Proc. 89:199-201. 1952,pub.1953. 41.9 Un3

Miscellaneous

54996 BARTON, A. Wild traits in the cat. J. Small Anim. Med. 1:305-313. Jan./Feb.1953. 41.8 J828

54997 GOUILLY-FROSSARD. La divagation des chiens et son interdiction. Acad. d'Agr. de France. Compt. Rend. 39:141-143. Jan.28/Feb.4,1953. 14 P215Bc

54998 GRAY, A. W. To every dog one bite. All-Pets Mag. 24(4):76-77. Apr.1953. 48.8 AL5

54999 HARANT, W. Unser kamerad hund. Ed. 3, rev. and enl. Wien,1952. 188 p. 48 H212U

55000 HEROUT. Pour une reorganisation de la cynophilie. Chasse, Chiens et Vénérie (n.s.)14(3):28-29. Mar.1953. 48.8 C43

55001 KENDRICK, H. The field trial dogs vs. the shooting dog. Pa. Game News 24(4):57-58. Apr.1953. 412.9 P38Pe

55002 MONTENOT, R. Comment choisir un chiot. Mouton 8(2):17. Feb.1953. 45.8 M86

55003 PALMER, G. F. Has the modern gundog slipped? N. Z. Dog World 8:2-4. Feb.1953. 48.8 N48

55004 SIX, J. Etude sur la façon de dresser un chien pour la defense ou le pistage, mener un aveugle, garder un troupeau. Chasse, Chiens et Vénerie (n.s.)14(2):18-19;(4):24-25. (Cont.) Feb.,Apr.1953. 48.8 C43

55005 STEINBACHER, G. Hundemütter und ihre adoptivkinder, ein kapitel tierpsychologie. Orion 8:277-282. Apr.1953. 474 Or4

55006 WILKINS, J. H., and STOCKMAN, M. J. Helicopterising in Malaya. Roy. Army Vet. Corps. J. 24:15-16. Mar.1953. 41.8 G79
Transportation of war dogs.

FUR ANIMALS - PEN RAISED

Breeds and Breeding

55007 AMERICAN OPEN CHINCHILLA BREEDERS REGISTRY. Chinchilla. Laramie,Wyo.,1953. 20 p. 412.62 Am3

55008 BELÍAEV, D. K. Certain characteristics in the development of down on the young of Silver foxes under various conditions of lighting. (In Russian.) Karakulevodstvo i Zverovodstvo 6:52-59. Jan./Feb.1953. 49 K14

55009 DORIGAN, C. A good sire—half of your herd. Natl. Chinchilla Breeder 9(2):16-17,37. Apr.1953. 412.628 N21

55010 IVONIN, F. M. Increasing animal production on sovkhozes in every respect. (In Russian.) Karakulevodstvo i Zverovodstvo 6:41-46. Jan./Feb.1953. 49 K14
Foxes and minks.

55011 JOHANSSON, I. Effects of method of breeding on standard mink breeding results. (In Swedish.) Våra Pälsdjur 24:48-54. Feb.15,1953. 410 V42

55012 JOHANSSON, I. How to decrease the number of barren female minks and to increase size of litter on mink farms. (In Swedish.) Våra Pälsdjur 24:46-47. Feb. 15,1953. 410 V42

55013 KING, A. W. Breeding mink genetically. Fur Canada 18(5):3. Feb.1953. 412.628 F968

55014 KING, A. W. Methods for breeding better mink. U. S. Fur Rancher 31(8):2,15. Mar.1953. 412.629 Am3M

55015 ROCHMANN, R. Studbook cards for mink. (In Norwegian.) Norsk Pelsdyrbl. 27:90-93. Mar.20,1953. 412.628 N812

55016 VASIL'EV, A. N., BUKOVSKAIA, Z. I., and ZOTOVA, V. S. Animal breeding in the Yakut ASSR. (In Russian.) Karakulevodstvo i Zverovodstvo 6:59-61. Jan./Feb.1953. 49 K14
Fur-bearing animals.

55017 WEBER, L. V. Polygamous breeding of chinchillas. Fur Trade J. Canada 30(8):17-18. Apr.1953. 410 F965

55018 ZANKER, S. Das qualitätsproblem in der nutriazucht. Osterr. Kleintierzüchter 8:45-46. (Cont.) Mar.1953. 49 Os7

Feeds and Feeding

55019 CLOSE, T. Antibiotics and vitamin B_{12}. Black Fox Mag. & Mod. Mink Breeder 36(11):10,27,29. Mar.1953. 410 B56

55020 KÖPPERS-SONNENBERG, G. A. Worin kann die topinambur der pelztierzucht nützen? Deut. Pelztierzüchter 27:54-55. Mar.25,1953. 412.628 D48

55021 LOESCHKE, W. How nutrition is studied. Natl. Chinchilla Breeder 9(2):20-21,34-35. Apr.1953. 412.628 N21

55022 MELIN, G. Antibiotics and vitamin B_{12} as supplement to diet of fur animals. (In Swedish.) Våra Pälsdjur 24:71-75. Mar.15,1953. 410 V42

55023 SPREHN, C. Aus der Abteilung für Pelztierzucht an der Bundesforschungsanstalt für Kleintierzucht Celle. Deut. Pelztierzüchter 27:40-51. Mar.25,1953. 412.628 D48

55024 WATT, P. R. Nutrition tests in the mink diet. Natl. Fur News 25(3):14. Apr.1953. 412.628 R59

Veterinary Medicine

55025 ASHLEY, F. W. Heat exhaustion in mink. Natl. Fur News 25(3):10,25. Apr.1953. 412.628 R59

55026 CABASSO, V. J., STEBBINS, M. R., and COX, H. R. Onset of resistance and duration of immunity to distemper in ferrets following a single injection of avianized distemper vaccine. Vet. Med. 48:147-150. Ref. Apr.1953. 41.8 M69

55027 GALE, C. Diseases common to mink. U. S. Fur Rancher 31(8):11,13. Mar.1953. 412.629 Am3M

55028 GORHAM, J. R., and NIELSEN, I. M. Some nutritional diseases of mink. M. S. C. Veterinarian 13: 94-97. Winter 1953. 41.8 M582

55029 LUND, A. Sapphire-antibiotics. (In Danish.) Dansk Pelsdyravl 16:67. Feb.1,1953. 412.628 D23

55030 MOMBERG-JØRGENSEN, H. C. "Yellow fat" of mink in 1952. (In Danish.) Dansk Pelsdyravl 16:127-128,131-132. Apr.1,1953. 412.628 D23

55031 THYGESEN, A. S. Feed poisoning of mink due to Clostridium botulinum. (In Danish.) Dansk Pelsdyravl 16:114-117. Apr.1,1953. 412.628 D23

Miscellaneous

55032 BACHRACH, M. Fur; a practical treatise. Ed. 3. New York,Prentice-Hall,1953. 660 p. Ref. 412.62 B12

55033 EIDEL'MAN, M. Ĭ. Development of collective farm fur animal husbandry in Latvian SSR. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):76-77. Nov./Dec. 1952. 49 K14

55034 HODGSON, R. G. Chinchilla raising, a new branch of fur farming. Fur Trade J. Canada 30(8):13-15. Apr.1953. 410 F965

55035 KELLOGG, C. E. Chinchilla raising. U. S. D. A. L. 266,rev.,8 p. Jan.1953. 1 Ag84L

55036 KOPP, L. J. The farm predator. Pa. Game News 24(4):45-47. Apr.1953. 412.9 P38Pe
Fur bearing animals.

55037 KULIKOVA, N. N. Practices in raising minks on Povenets Fur Animal State Farm. (In Russian.) Karakulevodstvo i Zverovodstvo 5(6):47-50. Nov./Dec.1952. 49 K14

55038 LEDENEV, S. N., and RYLOV, V. I. Further reduction in the net cost of raising foxes on animal sovkhozes. (In Russian.) Karakulevodstvo i Zverovodstvo 6:47-50. Jan./Feb.1953. 49 K14

55039 MCNICHOL, H. L. Care of mink kits. Fur-Fish-Game 48(5):46-47. May 1953. 410 F962

55040 O'DONNELL, M. J. Marten ranching. Natl. Fur News 25(3):12,21-24. Apr.1953. 412.628 R59

55041 RAPP, B. Nutria fur. II. (In Swedish.) Våra Pälsdjur 24:66-68. Feb.15,1953. 410 V42

55042 RAPP, B. On nutria fur. III. (In Swedish.) Våra Pälsdjur 24:79-82. Mar.15,1953. 410 V42

55043 WITMER, D. Cage supports. Natl. Chinchilla Breeder 9(2):18-19,33-34. Apr.1953. 412.628 N21

55044 ZANKER, S. Zur bewertung lebender sumpfbiber. Deut. Pelztierzüchter 27:48-49. (Cont.) Mar.25, 1953. 412.628 D48

HORSES AND MULES

Breeds and Breeding

55045 AUSTRALIAN JOCKEY CLUB. The Australian stud book, v. 22, sup. 2. Return of mares for 1951. Sydney,1952. 381 p. 42.9 Au7
Victoria Racing Club cooperating.

55046 CAMARGO, M. X. DE, JORDÃO, L. P., and GOUVÊIA, P. F. Origin and formation of the Mangalarga horse. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):13. 41.9 So13

55047 DENHARDT, B. Wither the Quarter Horse? West. Horseman 18(4):14,30-33. Apr.1953. 42.8 W522

55048 DOWNS, J. The Thoroughbred makes man perfect. Throughbred Calif. 16:332-334,358. Apr.1953. 42.8 T393

55049 HERNANDEZ ROA, A. Organizados los criadores de caballos criollos cubanos. Rev. Ganad. [Habana] 13(3):48. Mar.1953. 49 R321

55050 JARVIS, R. Clydesdales still required. Farming News & No. Brit. Agr. 105(spec.no):25-27. Jan.1, 1953. 10 N82

55051 JOCKEY CLUB. Foals of 1951 registered under the Jockey Club. American stud book, v. 20, sup. 2. New York,1953. 373 p. 42.9 Am31

55052 JOCKEY CLUB OF JAMAICA. The Jamaica stud book, v. 4 (up to the end of December, 1951), comp. by G. Farquharson. Shrewsbury,Eng.,1952. 392 p. 42.9 J22

55053 KHITENKOV, G. G. On breeding work with the new Kustanaĭ breed [of horses]. (In Russian.) Konevodstvo 23:5-15. Jan.1953. 42.8 K832

55054 LAMOND, H. G. Horses—and rubbish. Past. Rev. 63:123-124. (Cont.) Feb.16,1953. 23 Au75
With reference to the Quarter Horse.

55055 LENGSTEINER, F. Der Haflinger. Landwirtschaft 5/6:94-95. (Cont.) Mar.1953. 19 L235

55056 LESNIKOV, G. ĪÀ. Tabun groups in Rostov Region. (In Russian.) Konevodstvo 23:16-17. Jan.1953. 42.8 K832
Chiefly on artificial insemination of horses.

55057 MCGEE, W. R. Veterinary notes for the Standardbred breeder. Hoof Beats 21(2):10-16. Apr. 1953. 42.8 H76

55058 MANN, G. Trakehner in der Bundesrepublik. Ubersicht 4:157-161. Feb.1953. 18 Ub3

55059 RASMUSSEN, H. Selection of stallions of Jutland breed, 1953. (In Danish.) Jydsk Landbr. 35:178-183. Mar.12,1953. 11 J99

55060 SAHNI, D. R. Fertility in mules. Roy. Army Vet. Corps. J. 24:6. Mar.1953. 41.8 G79

55061 SCHLIE. Die besondere situation der warmblutzucht hinsichtlich der beschickung der DLG-ausstellungen. Tierzüchter 5:129-131. Mar.20,1953. 49 T445

55062 SJOBERG, A. Meine beobachtungen bei der paarung von etwa 700 stuten. Berlin. u. Münch. Tierärztl. Wchnschr. 66:65-67. Ref. Mar.1,1953. 41.8 B45
Finland.

55063 SVENDSEN, C. Selecting the sire. Horse Lover's Mag. 17(5):28-29,64. Feb./Mar.1953. 42.8 H7852

55064 ZINCHENKO, A. V. A leading station of artificial insemination of horses in Kherson Region. (In Russian.) Konevodstvo 23:22-23. Jan.1953. 42.8 K832

Feeds and Feeding

55065 HOWELL, C. E. Nutrition of horses. Thoroughbred Calif. 16:328,354,356. Apr.1953. 42.8 T393

55066 MICHAEL, D. T. Some observations of grazing behaviour following upon manurial treatment of contrasting pasture types. Vet. Rec. 65:186-189. Mar.21, 1953. 41.8 V641
Horses.

55067 ZWAGERMAN, C. Feeding and care of mares and foals during the suckling period. (In Dutch.) Doelmatige Veehouderij 2:43-46. Mar.1953. 49 D67

55068 ZWAGERMAN, C. Feeding of farm draft horses in the winter. (In Dutch.) Doelmatige Veehouderij 1:165-168. Nov.1952. 49 D67

Veterinary Medicine

55069 AIRIAU, E. Étude différentielle des stases intestinales chez la jument poulinière. Paris,Foulon, 1952. 71 p. Ref. 41.2 Ai7
Thèse - École Nationale Vétérinaire, Alfort.

55070 BADAME, G. F. The use of a cholinesterase inhibitor [Physostigmine] in neuromuscular dysfunctions of the horse. Amer. Vet. Med. Assoc. J. 122:307-309. Apr.1953. 41.8 Am3

55071 BIELANSKI, W., EWY, Z., and PIGONIOWA, H. The level of gonadotrophin in the serum of pregnant mares of different breeds. (In Polish.) Rocz. Nauk Roln. 65:245-261. Ref. 1952. 20.5 R59
English summary.

55072 BRUNER, D. W., and DOLL, E. R. Blood groups in horses (Indian system): their value in transfusions and neonatal isoerythrolysis. Cornell Vet. 43: 217-222. Ref. Apr.1953. 41.8 C81

55073 CARNUS, SERGENT, and LIPP. Note complémentaire à propos d'un test des déficiences circulatoires chez le cheval. Acad. Vét. de France. B. 26:83. Jan.1953. 41.9 R24

55074 COMESSATTI, G. Treatment of periodic ophthalmia in the horse – new way to administer antibiotics. (In Italian.) Clin. Vet. 76:57. Feb.1953. 41.8 C61

55075 CRUMIERE, A. Fracture de la palette osseuse gauche du sacrum. Rev. Vét. Mil. 8:17-19. 1953. 41.8 R3295
Case of a mule.

55076 CUBONI, E. Early diagnosis of pregnancy in the mare by means of tests on male frogs. (In Italian.) Clin. Vet. 76:1-16. Ref. Jan.1953. 41.8 C61

55077 DANKS, A. G. Some common lamenesses of the Standardbred horse. Amer. Vet. Med. Assoc. Proc. 89:348-352. 1952,pub.1953. 41.9 Un3

55078 DANKS, A. G., and KRAL, F. Television broadcast—demonstrations of endoscopy and percussion in a horse. Amer. Vet. Med. Assoc. Proc. 89:84-86. 1952,pub.1953. 41.9 Un3
In disease diagnosis.

55079 DAVIDSON, A. H. Lameness: tendons, shins, knees, hocks, firing, etc. Blood Horse 65:752,754-756, 758-760. (Cont.) Mar.28,1953. 42.8 T392

55080 DETWEILER, D. K. Experimental and clinical observations on auricular fibrillation in horses. Amer. Vet. Med. Assoc. Proc. 89:119-130. Ref. 1952, pub.1953. 41.9 Un3
Includes discussion.

55081 DOLL, E. R. Jaundiced foals. Hoof Beats 21 (3):12-14. May 1953. 42.8 H76

55082 ESCUDER, D. Anemia infecciosa de los equinos. Res 21:27841-27842. Mar.5,1953. 286.85 R31

55083 GASPARDIS, D. Periodic iridocyclitis in a horse with leptospirosis. (In Italian.) Clin. Vet. 76:31. Jan.1953. 41.8 C61

55084 GOMEZ-CARDENAS, G. Diagnostico precoz de la gestacion en la yegua. Nota previa. Arch. de Zootec. 2(5):11-13. 1953. 49 Ar22
English summary.

55085 HABEL, R. E. The perineum of the mare. Cornell Vet. 43:249-278. Ref. Apr.1953. 41.8 C81

55086 HAYES, I. E. Common diseases of the equine alimentary tract. Iowa State Col. Vet. 15:67-72. Ref. 1953. 41.8 V6425

55087 HILL, H. Bestehen besondere bewegungsformen am magen der equiden? Deut. Tierärztl. Wchnschr. 60:127-128. Mar.15,1953. 41.8 D482

55088 KINTNER, J. H. Equine influenza. Hoof Beats 21(3):15-18. May 1953. 42.8 H76

55089 KURCZAB, R. The action of prostigmine and post colic states and functional atony of the alimentary tract in the course of pododermatitis superficialis serosa diffusa aseptica and paralytic myoglobinaemia in horses. (In Polish.) Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. DD 6:335-351. Ref. 1952. 512 L96Ad
English summary.

55090 LOHMAN, F., and MARINIĆ, I. About the influence of spring and autumn foaling on the development of foals. (In Serbo-Croatian.) Vet. Arh. 22:228-240. 1952. 41.8 V6416
English summary.

55091 MACLENNAN, I. S. An unusual case of ringbone in a hunter. Roy. Army Vet. Corps. J. 24:9. Mar. 1953. 41.8 G79

55092 MARTIN, W. Phenothiazine poisoning in a mare. Auburn Vet. 9:87-90. Winter 1953. 41.8 Au1

55093 MILLER, W. C. Some aspects of the control of parasitic worms in horses. Roy. Army Vet. Corps. J. 24:1-5. Mar.1953. 41.8 G79

55094 RANSY, U. Le crapaud du cheval; sa nature, son origine, son traitement. Ann. de Méd. Vét. 97:23-40. Jan.1953. 41.8 An78

55095 RIGLER, L. La largeur des fentes de jointure eclairées au moyen des rayons x entre les jointures des extrémités du cheval. (In Serbo-Croatian.) Vet. Arh. 22:305-308. 1952. 41.8 V6416
French summary.

55096 RILEY, W. F. Practical procedures in horse practice. Amer. Vet. Med. Assoc. Proc. 89:45-49. 1952,pub.1953. 41.9 Un3

55097 ROMMEL, W. Ein seltener unfall. Deut. Tierärztl. Wchnschr. 60:132-133. Mar.15,1953. 41.8 D482
To a mare.

55098 ROUX, E. J. Le traitement des stomatites. Rev. Vét. Mil. 8:14-16. 1953. 41.8 R3295
Case of a mule.

55099 SAINT-MARTIN, A. Ictére hémolytique du poulain par hétéro-immunisation. Rev. de Méd. Vét. [Toulouse 103:789-790. Nov.1952. 41.8 R32

55100 SCHLEITER, H. Die laparotomie bei der kolikbehandlung des pferdes. Leipzig. U. Wiss. Z. 4:57-111. Ref. 1951/52. 509 L532

55101 STILINOVIĆ, Z. The quantity of haemoglobin in the blood of warm- and cold-blooded horses. (In Serbo-Croatian.) Vet. Arh. 22:298-304. 1952. 41.8 V6416
English summary.

55102 STROUP, W. L. Parasitic infection of mules in Honduras, Central America. Auburn Vet. 9:91-92. Winter 1953. 41.8 Au1

55103 TARKIEWICZ, S. Biernacki's reaction in health and pathologic conditions in horses, its diagnostic and prognostic value. (In Polish.) Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. DD 6:367-386. Ref. 1952. 512 L96Ad
English summary.

55104 TRUM, B. F., and RUST, J. H. Whole blood clotting, clot retraction and prothrombin utilization in burros following total body gamma radiation. Soc. Expt. Biol. & Med. Proc. 82:347-351. Ref. Feb.1953. 442.9 So1

55105 VARADIN, M. Comparison and evaluation of some methods of early diagnosis of pregnancy in mares. (In Serbo-Croatian.) Vet. Arh. 22:203-227. Ref. 1952. 41.8 V6416
English summary.

55106 ZAHARIJA, I. Examen sériologique des chevaux du haras Lipik sur la leptospirose. (In Serbo-Croatian.) Vet. Arh. 22:177-186. 1952. 41.8 V6416
French and German summaries.

55107 ZAHARIJA, I. Residual antibodies for the antigen of Leptospira in animals used for the production of serum. (In Serbo-Croatian.) Vet. Arh. 22:252-258. 1952. 41.8 V6416
English summary.
Horses and cattle.

Miscellaneous

55108 BEAMISH, H. V. The development of a foal. Country Life [London] 113:986. Apr.2,1953. 80 C83

55109 CASTEJON, R. Razas primitivas caballares de la Península Ibérica. Arch. de Zootec. 2(5):3-10. Ref. 1953. 49 Ar22
English summary.
Study of fossils.

55110 CHOQUARD, F. Quelques aspects relatifs à notre élevage chevalin. Almanach Agr. de la Suisse Romande 91:76-78,80. 1953. 30.3 AL6

55111 DURAUD, P. Le rôle des unités muletières dans une guerre de montagne moderne. (Extr.) Rev. Vét. Mil. 8:1-13. 1953. 41.8 R3295

55112 EDWARDS, L. Thy servant the horse. London, Country Life,1952. 118 p. 42 Ed9
History.

55113 FLORIO, R. Sur les moyens d'identification d'un cheval litigieux. Rev. de Méd. Vét. [Toulouse] 103: 795-796. Nov.1952. 41.8 R32

55114 GORMAN, J. A. Horses; their care and training. Wyo. Agr. Col. Ext. C. 125,33 p. Jan.1953. 275.29 W99C

55115 HAINES, K. A. Dressage. Roy. Army Vet. Corps. J. 24:21. Mar.1953. 41.8 G79

55116 HARTWIG. Die aufzucht von fohlen. Deut. Landwirt. 4:100-105. Ref. Feb.1953. 18 D4822

55117 LEHRNER. Die pferdeleistungsprüfung. Bauer 6(12):2-4. Mar.21,1953. 19 B32
Austria.

55118 LIKHACHEV, V. V. Novosibirsk Regional Hippodrome [for testing horses]. (In Russian.) Konevodstvo 23:32-38. Jan.1953. 42.8 K832

55119 ROF CODINA, J. Incremento del ganado equino en España. Cult. Mod. 36:13-14. Jan.1953. 15 C89

55120 SAIGIN, I. A. On ways of developing kumiss production. (In Russian.) Konevodstvo 23:44-45. Jan. 1953. 42.8 K832

55121 SWEDEN. LANTBRUKSSTYRELSEN. Den med statsmedel understödda hästpremieringen, m. m., under ar 1952 [Awards for horses, etc., subsidized by the State, during the year 1952]. Sweden. Lantbrstyr. Meddel. Ser. B, Lantbravd. 12,120 p. 1953. 11 Sw3Me

55122 TEIGE, J. Pregnancy in a mare with an ovarian cyst. (In Norwegian.) Nord. Vetmed. 5:237-240. Mar.1953. 41.8 N813
English summary.

55123 VIMAL DE SAINT-PAL, V. F. La cavalerie celtique. Saint-Etienne,Dumas,1952. 69 p. Ref. 42 V72
Thèse - École Nationale Veterinaire, Alfort.

55124 WHITCOMB, M. Reining 'em in the hackamore. West. Horseman 18(4):19,38-41. Apr.1953. 42.8 W522

LABORATORY ANIMALS, SMALL

Breeds and Breeding

55125 CURRY, M. F. Weight changes of adults in an inbred colony of Syrian hamsters. J. Hered. 43:302-304. Nov./Dec.1952. 442.8 Am3

Feeds and Feeding

55126 COLUMBUS, A. Aufzuchtkäfige für rattenversuche. Arch. f. Tierernähr. 2:388-393. May/June 1952. 389.78 Ar22
For feeding research.

Veterinary Medicine

55127 BALL, J. New hamster colors. All-Pets Mag. 24(4):108-109,114. Apr.1953. 48.8 AL5
Guinea pigs.

55128 CURTO, G. M. Abortion due to rancid fat, reabsorption of the foetus caused by avitaminosis E. (In Italian.) Acta Vitaminologica 6:241-246. Dec.1952. 448.8 Ac8
English summary.
Tests with rats.

55129 CURTO, G. M. Effect of alphatocopherol on the course of experimental Brucella infection. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1666-1668. Aug./Oct.1952. 442.8 So12
Tests with guinea pigs and rats.

55130 ELLIOTT, J. R., and TURNER, C. W. Relation of relaxin to steroid ovarian hormones on production of mammary spreading factor. Soc. Expt. Biol. & Med. Proc. 82:234-235. Feb.1953. 442.9 So1
Experiments with rats.

55131 JACOTOT, H., and VALLEE, A. Effets chez le rat blanc de l'inoculation intrapéritonéale de cultures de brucelles additionnées de mucine. Soc. de Biol. Compt. Rend. 146:1688-1690. Nov.1952. 442.9 P21
Brucella abortus bovis and B. melitensis.

55132 KATIYAR, R. D. Sexing of small laboratory animals. Indian Vet. J. 29:327-328. Jan.1953. 41.8 In2

55133 MARŽAN, B. Klossiella in the kidneys of white mice and cobayes. (In Serbo-Croatian.) Vet. Arh. 22:187-193. Ref. 1952. 41.8 V6416
English summary.

55134 PIANA, C. Effect on experimental hypervitaminosis D of basic-acid balance in the diet. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1668-1670. Aug./Oct.1952. 442.8 So12
Tests with rats.

55135 REAGAN, R. L., and others. Effect of pseudorabies virus (Aujeszky strain) in the Swiss albino mouse and the Syrian hamster. Amer. Vet. Med. Assoc. Proc. 89:141-143. 1952,pub.1953. 41.9 Un3
W. C. Day, M. P. Harmon, and A. L. Brueckner, joint authors.

Miscellaneous

55136 KATIYAR, R. D. Guinea-pig husbandry. Indian Vet. J. 29:330-340. Jan.1953. 41.8 In2

55137 SODERBERG, P. M. Cavy history. II. All-Pets Mag. 24(3):149-151. Mar.1953. 48.8 AL5

POULTRY

Breeds and Breeding

55138 ABPLANALP, H., and KOSIN, I. L. Genetic variation of fertility and hatchability in the Broad Breasted Bronze turkey. Poultry Sci. 32:321-331. Ref. Mar. 1953. 47.8 Am33P

55139 ALTIMIRA RAVENTOS, C. Gallinas de la raza New Hampshire. Cult. Mod. 36:7-8. Jan.1953. 15 C89

55140 BARCELO GARCIA DE PAREDES, A. Orientacion avicola. Ceres [Valladolid] 18(200):27. Feb.1,1953. 15 C33
Breeding for egg production.

55141 BOBBY, F. C. Inheritance by poultry of factors affecting egg production. Australas. Poultry World 24(6): 31,33. Jan.5,1953. 47.8 Au72

55142 BOHREN, B. B. What can we expect from our poultry breeders? World's Poultry Sci. J. 9:29-33. Jan./Mar.1953. 47.8 W89

55143 BURLA, W. Die Rouen-enten. Geflügelhof 16: 116-117. Feb.27,1953. 47.8 G276

55144 CAMPELLO, L. B. The "Indian Game" fighting cock. (In Portuguese.) Lav. e Criação 7(45):59. Dec.1952. 49 L392

55145 FARNEK, J. Der Französische Kröpfer. Österr. Kleintierzüchter 8:40. (Cont.) Mar.1953. 49 Os7

55146 GAWĘCKI, K., NEUMAN, M., and PONIKIEWSKA, T. Comparative tests on the slaughter efficiency of Leghorn and Rhode-Island-Red poults on the basis of analyses. (In Polish.) Rocz. Nauk Roln. 62:225-233. 1952. 20.5 R59
English summary.

55147 GODFREY, E. F. The genetic control of growth and adult body weight in the domestic fowl. Poultry Sci. 32:248-259. Ref. Mar.1953. 47.8 Am33P

55148 GREAVES, H. M. Table pigeons. Agr. Gaz. N. S. Wales 64:61-64,94. (Cont.) Feb.1953. 23 N472

55149 GRIESBACH, L. The genetic basis for lack of color in white mutants of Light Sussex poultry. Poultry Sci. 32:367. Mar.1953. 47.8 Am33P

55150 GRIGG, G. W. The morphology of fowl sperm. Soc. Study Fert. Proc. 4:15-17. 1952. 444.9 So1

55151 HARDY, E. The Carrier pigeon is misnamed. All-Pets Mag. 24(4):107,114. Apr.1953. 48.8 AL5

55152 HENDERSON, R. Line-breeding. Poultry Press 39(10):4. Mar.26,1953. 47.8 P8643

55153 HILGER, R. Einfluss der europäischen länder auf die entwicklung der deutschen rassegeflügelzucht. Geflügel Züchter 6:3-4. Jan.10,1953. 47.8 G279

55154 HUTT, F. B. The Jansen Khaki Campbell ducks. J. Hered. 43:277-281. Nov./Dec.1952. 442.8 Am3

55155 JAAP, R. G. Hatchery breeding program. Poultry Supply World 30(2):40-42. Feb.1953. 47.8 B11

55156 JAAP, R. G. Problems in developing good broiler strains. Canad. Poultry Rev. 77(4):9-10,30-32,34. Apr.1953. 47.8 C16

55157 JEFFREY, F. P. Selection, thoughts on dollars and sense. Turkey World 28(3):15,72. Mar.1953. 47.38 T84
For breeding.

55158 KAUFMAN, L., and GANCARCZYK, R. Growth of Greenlegs, Rhode Island Reds and their crossbreeds and weights of certain of their organs at the age of ten weeks. (In Polish.) Rocz. Nauk Roln. 62:269-279. 1952. 20.5 R59

55159 KISH, A. F. The inheritance of breast width in a strain of New Hampshires. Poultry Sci. 32:197-202. Ref. Mar.1953. 47.8 Am33P

55160 KNOWLES, T. E. Development of breeding theory. Victorian Poultry J. 39(7):21,23. Feb.2,1953. 47.8 V662

55161 LAKE, P. E., and SMILES, J. Some observations on the morphology of fowl spermatozoa. Soc. Study Fert. Proc. 4:18-20. 1952. 444.9 So1

55162 LIMA, J. P. The best mixed breeds of hens. (In Portuguese.) Lav. e Criação 8(46):74. Jan.1953. 49 L392
Dual purpose breeds.

55163 LULLO, C. DI. Few premises, numerous experiences for a better aviculture. (In Italian.) Agricoltura 2(2):30-33. Feb.1953. 16 Ag8226
Breeding.

55164 MCCOWEN, S. Interesante información sobre distintas razas de gallinas. Soc. Antioquena de Agr. B. Agr. 394:3877-3879. Feb.1953. 9.4 So1

55165 MACKLIN, H. P. Pigeon portraits: the Polish Lynx pigeon. Amer. Pigeon J. 42:100-101,126. Apr.1953. 47.8 Am35

55166 MARBLE, D. R. Latest findings on cross-breeding. Poultry Supply World 30(2):43-44. Feb.1953. 47.8 B11

55167 MORLEY, F. H. W. Genetics and poultry breeding. Agr. Gaz. N. S. Wales 64:23-26. (Cont.) Jan. 1953. 23 N472

55168 MORLEY, F. H. W. Genetics and poultry breeding. Agr. Gaz. N. S. Wales 64:80-81,110-111. (Cont.) Feb.1953. 23 N472

55169 NAETHER, C. The genuine Trumpeter. All-Pets Mag. 24(4):105. Apr.1953. 48.8 AL5

55170 NIEBOER, J. The Cochins. (In Dutch.) Pels en Pluim 7(6):2. Mar.20,1953. 47.8 P36

55171 PEROTTI, R. M. El buen manejo de los reproductores influye sobre el exito economico de la avicultura. Mundo Agr. 46:62-63. Mar.1953. 9 M92

55172 PESCHETZ, H. Hybrid-kücken, erzeugnis einer neuen, in Europa eingeführten zuchtmethode. Carnica Züchterring 5:5-6. 1953. 424.8 C21

55173 PILON, G. Importance d'utiliser des reproducteurs R.O.P. en vue de la reproduction des poussins croisés. Avicult. Quebecois 8:18-19. Jan./Feb.1953. 47.8 Av55

55174 RAWSON, A. Vienna Tumblers rarest in America. Amer. Pigeon J. 42:102. Apr.1953. 47.8 Am35

55175 RECHENBACH, H. Züchtungsfragen im herdbuch. Deut. Wirtgeflügelzucht. 5:338-341. Mar.21, 1953. 47.8 D483

55176 RUBENSTRUNK. La Fléches. Deut. Kleintier-Züchter Ausg. Geflügel 8(5):1-3. Mar.5,1953. 47.8 D484

55177 RUPPEN, K. Einige ueberlegungen zur brut und aufzucht. Geflügelhof 16:138-140. Mar.6,1953. 47.8 G276

55178 SCHAUDI, H. L. Die farbe der Kupfergimpel. Deut. Kleintier-Züchter. Ausg. Geflügel 8(6):1-2. Mar.20, 1953. 47.8 D484

55179 SHEARD, O. B. Bantams in South Africa. S. A. P. A. Poultry B. 17(184):7,13. Jan.1953. 47.8 So89

55180 STACEY, C. G. Is there a future for artificial insemination in practical poultry breeding? Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 30:9-10. Winter 1952/53. 47.8 Ac2

55181 VELTHEIM, VON. Zuchtarbeit an blauen Orpingtons. Allg. Geflügel-Ztg. 33(9):1. Mar.20,1953. 47.8 AL5

55182 WASHINGTON. STATE COLLEGE. POULTRY COUNCIL. Management of breeder chickens. Wash. State Col. Ext. B. 348,8 p. July 1952. (Poultry Pointers 25,revised) 275.29 W27Pou

55183 WEBER, H. D. Arbor Acres White Rock chickens. Amer. Egg & Poultry Rev. 15(2):86,88-89. Feb.1953. 47.8 Am38

55184 WOINOFF, O. Das "hybridhuhn" und die inzucht-heterosiszuchtung diskutiert auf grund von modellversuchen am maulbeerseidenspinner. Deut. Kleintier-Zuchter. Ausg. Geflügel 8(6):9-10. Ref. Mar. 20,1953. 47.8 D484

55185 ZÄHNER, H. Was bringt die neue zuchtmethode und auf welchen erkenntnissen beruht sie? Geflügelhof 16:223-225. Apr.10,1953. 47 G276

Feeds and Feeding

55186 ANDERSON, C. F., MCARDLE, A. A., and JONES, M. D. Feeding trials at Parafield Poultry Station. Australas. Poultry World 24(7):29,31. Feb.5, 1953. 47.8 Au72

55187 ATKINSON, J. C., BOUCHER, R. C., and CALLENBACH, E. W. Feed turkeys antibotics "all the way;" increases rate of growth considerably. Pa. Agr. Expt. Sta. B. 553(sup.2):8. Mar.1953. 100 P381

55188 ATKINSON, R. L., and COUCH, J. R. Unidentified growth factors in distillers dried solubles as related to antibiotics and methionine in turkey poult nutrition. Feedstuffs 25(17):18,20,25-26. Apr.25,1953. 286.81 F322

55189 BIELY, J., and MARCH, B. Nutrients in the poultry ration. Eggsaminer 30(4):2,16-17,20-21. Apr. 1953. 286.85 Eg32

55190 BOGDANOVIĆ, S. The effect of vitamin E upon laying ability of hens. Acad. Serbe des Sci. Cl. des Sci. Math. et Nat. B. Sci. Nat. (n.s.)4:215-221. 1952. 510 B45

55191 BOUSQUET, J. D. Raciones para las gallinas. Tierra [Mexico] 8:196-197,231-233. Mar.1953. 8 T445

55192 BRANION, H. D., ANDERSON, G. W., and HILL, D. C. Antibiotics and the growth of ducks (with a review of possible mechanisms by which antibiotics stimulate growth). Poultry Sci. 32:335-347. Ref. Mar.1953. 47.8 Am33P

55193 BUHRMANN. Fütterungsfragen bei der entenmast. Futter u. Fütterung 28:216-217. Mar.1953. 389.78 F98

55194 BUTTNER, E. E. So you want to keep pigeons! Hand-feeding squeakers. So. African Poultry, Pigeon & Bird Mag. 82(494):30,29. Mar.1953. 47.8 So83

55195 CARPENTER, K. J. Results of experimental trials with antibiotics. World's Poultry Sci. J. 9:16-20. Ref. Jan./Mar.1953. 47.8 W89

55196 CARTANYA ALEU, P. La fabricación de piensos en avicultura. Reus Avic. 2:205-206. (Cont.) Feb.1, 1953. 47.8 R31

55197 CECIL, L. You cannot over-feed chicks. Mod. Poultry Keeping 68:286-287. Mar.18,1953. 47.8 Eg3

55198 CHARLET-LERY, G. Vos poules pondeuses seront ce que vous les ferez. Rev. de l'Élevage 8:329, 331,333. Apr.1953. 49 B462
Feed formulas.

55199 COMBS, G. F. Are you getting good feed efficiency? World's Poultry Sci. J. 9:26-28. Jan./Mar. 1953. 47.8 W89

55200 COMBS, G. F., TWINING, P. F., and LAURENT, C. K. Methionine supplementation. Flour & Feed 53(11): 20. Apr.1953. 298.8 F66
In poultry feeding.

55201 DAVIS, R. L., BRIGGS, G. M., and SLOAN, H. J. Effect of cobalt in diet of the chick. Soc. Expt. Biol. & Med. Proc. 82:175-177. Ref. Feb.1953. 442.9 So1

55202 DUBISKI, J., and LANGIER, J. An attempt to determine the feeding value of mushroom meal. (In Polish.) Rocz. Nauk Roln. 62:159-168. 1952. 20.5 R59
English summary.
Poultry.

55203 DUNCAN, D. C. Oat grain in laying rations. Agr. Gaz. N. S. Wales 64:6,41. Jan.1953. 23 N472

55204 EBBELL. Die fütterung in fragen und antworten. Geflügelhof 16:187-189,191. Mar.27,1953. 47.8 G276

55205 ELAM, J. F., and others. Possible mechanism involved in the growth-promoting responses obtained from antibiotics. J. Nutr. 49:307-317. Ref. Feb.10, 1953. 389.8 J82
R. L. Jacobs, W. L. Tidwell, L. L. Gee, and J. R. Couch, joint authors.
Chick feeding.

55206 FANGAUF, K. W., and BARLÖWEN, G. VON. Die kükenaufzucht mit küken-alleinfutter. Futter u. Fütterung 28:213-215. Mar.1953. 389.78 F98

55207 FANGAUF, K. W. Vitamin B_{12} und die antibiotika in der geflügelfütterung. R. der Landfrau 13:103. Mar.26,1953. 18 L2347

55208 FANGAUF, K. W. Welche faktoren beeinflussen den vitaminbedarf des geflügels? Futter u. Fütterung 27: 208-210. (Concl.) Ref. Feb.1953. 389.78 F98

55209 FANGAUF, R. Kartoffelschnitzelschrot im kükenfutter. Arch. f. Geflugelk. 17:27-29. 1952. 47.8 Ar2
English summary.

55210 FERRIOT, A., QUENTIN, J., and ROBERT, J. Vitamine B_{12} et antibiotiques dans la nutrition animale: essai en aviculture. Rec. de Méd. Vet. 129:90-106. Ref. Feb.1953. 41.8 R24

55211 FINDRIK, M., and RAKO, A. The value of blood as an albuminose food of animal origin in the feeding of chickens. (In Serbo-Croatian.) Vet. Arh. 22:245-251. 1952. 41.8 V6416
English summary.

55212 FOSTER, J. C. Pigeon racing. 6. Amer. Racing Pigeon News 69(4):1-2. (Cont.) Apr.1953. 47.8 H75
Installment is on feeding.

55213 FROST, D. V. Considerations on the safety of arsanilic acid for use in poultry feeds. Poultry Sci. 32: 217-227. Ref. Mar.1953. 47.8 Am33P

55214 GÁLLEGO PIEDRAFITA, J. Ultimas orientaciones sobre nutrición y dietética avícolas. Avicult. Téc. 5:233-237. Jan.1953. 47.8 Av57
Includes formulas.

55215 GAVAZZO, M. F. Forced fattening of geese. (In Portuguese.) Med. Vet. (ser.10):20:32-35. Jan./Mar. 1953. 41.8 M464

55216 GENNARI, G. The feeding of chicks. (In Italian.) Avvenire Agr. 61:72-73. Mar.1953. 16 Av9

55217 GOODING, P. H. Feeding laying hens. Clemson Agr. Col. S. C. Ext. C. 131,rev.,15 p. Feb.1953. 275.29 So8E

55218 HALBROOK, E. R. How do you fit antibiotics, arsenicals, surfactants, newer vitamins into present-day poultry nutrition? Hatchery & Feed 27(4):19-22. Apr.1953. 47.8 H28

55219 HANEBERG. Mehr eiergeld durch richtige futterung! Landwirt. Wchnbl. 143:396,398. Mar.28, 1953. 18 L2338

55220 HENDRIKSE, J. J. Drinking water for poultry. (In Dutch.) Doelmatige Veehouderij 1:63-64. Apr.1952. 49 D67

55221 HILL, D. C., and BRANION, H. D. Chick growth studies with dried cells of a strain of Serratia marcescens. Poultry Sci. 32:367-368. Mar.1953. 47.8 Am33P

55222 KAMSTRA, L. D., HALVERSON, A. W., and MOXON, A. L. Effect of trace minerals and other dietary ingredients upon carotene stability in stored poultry diets. Poultry Sci. 32:352-356. Mar.1953. 47.8 Am33P

55223 KING, J. O. L., and WHITE, E. G. The effects of penicillin supplements on the growth of chicks. Vet. Rec. 65:149-152. Mar.7,1953. 41.8 V641

55224 KRATZER, F. H. Efficiency of feed utilization in turkeys. San Joaquin Val. Poultryman 23(10):5,8. Mar.1953. 47.8 Sa53

55225 KRATZER, F. H. Factors influencing growth of chicks fed rations containing rapeseed meal. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):419. Mar.1953. 442.9 F31P

55226 KUDRIAVTŠEV, S. S. Poultry feeding during the breeding period. (In Russian.) Ptitsevodstvo 1:21-24. Jan.1953. 47.8 P95

55227 LEWIS, R. W., and SANFORD, P. E. Use of equivalent levels of antibiotic and vitamin B_{12} supplements with cottonseed and soybean oil meals in chick diets. Poultry Sci. 32:268-275. Ref. Mar.1953. 47.8 Am33P

55228 LINDGREN, N. O. Antibiotics as growth factor in feeding of poultry. (In Swedish.) Nord. Vetmed. 5:245-252. Ref. Mar.1953. 41.8 N813

55229 MCGINNIS, J., and others. Unidentified growth factors for chicks. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):423. Mar.1953. 442.9 F31P
W. K. Warden, W. M. Reynolds, H. G. Luther, R C. Kersey, and R. J. Feeney, joint authors.

55230 MACHO POZUELO, R. Supernutrición avicola: los aminoacidos. Reus Avic. 2:210-211. Feb.1,1953. 47.8 R31

55231 MCKAY, W. Practical application of antibiotics. World's Poultry Sci. J. 9:20-25. Jan./Mar.1953. 47.8 W89

55232 MANTEL, K., and FANGAUF, R. Aufzuchtversuche mit Vitakalk in Erding und Steenbek. Deut. Wirtgeflügelzucht. 5:296-297. Feb.28,1953. 47.8 D483
Chicks.

55233 MULLER, W. Verfütterung von keimgetreide und silage an hühner. Arch. f. Geflugelk. 17:16-27. 1952. 47.8 Ar2
English summary.
The grain is germinated barley.

55234 OLIVE, J. P. L'alimentation des poussins. Agr. Prat. 117:121-122. Mar.1953. 14 J82

55235 PETERSEN, N. Was können wir geflügelzüchter von der broiler-industrie lernen? Gute rentabilität durch höchste fütterungs- und betriebsrationalisierung in den USA. Übersicht 4:139-144. Feb.1953. 18 Ub3
Chiefly on feeding methods.

55236 POLLARD, W. S. Feeding hens for egg production. Ark. Agr. Col. Ext. C. 277,rev.,8 p. Feb.1952. 275.29 Ar4

55237 POLO JOVER, F. Alimentos para las gallinas. Spain. Min. de Agr. Hojas Divulg. 19/20-52 H,20 p. Oct.1952. 15 H68

55238 RAIMO, H. F., and ROCHA, G. L. DA. Contribution to the study of substitutes for wheat bran in poultry feeding. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):57-59. 41.9 So13
Other grains.

55239 RAIMO, H. F. Technical and economic aspects of the use of wheat waste for feeding poultry. (In Portuguese.) Rev. dos Criadores 24:10-12. Jan.1953. 43.8 R32

55240 SANDVIK, O. Feeding of chicks. (In Norwegian.) Samvirke [Oslo] 48:218-221. Apr.1,1953. 280.28 Sa4

55241 SIRIGOS, M. Vitamin B_{12} and the vital protein factor. (In Greek.) Ptenotrophikon Delt. 17:13-16. May/Nov.1952. 47.8 P952

55242 THOMAS, W. L. Need baby goslings be hand fed? Mod. Poultry Keeping 68:312. Mar.25,1953. 47.8 Eg3

55243 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. How expensive is cheap poultry feed, by F. P. Jeffrey and B. Alford. Washington,Mar.7,1953. 3 p. 1.914 R2R11

55244 WARD, H. H. Antibiotics for animal feeding. III. Agr. Merchant 33:82-83,90. (Cont.) Mar.1953. 10 Ag89
Response of poultry and pigs to antibiotics in the diet.

55245 WELCH, B. E., and COUCH, J. R. Methionine, choline, B_{12} and homocystine in nutrition of the mature fowl. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12 (1,pt.1):433. Mar.1953. 442.9 F31P

55246 WIESE, A. C., and others. Chick growth factor present in fish meal and fish solubles. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):433. Mar. 1953. 442.9 F31P
C. F. Petersen, A. R. Pappenhagen, and H. D. Wycoff, joint authors.

55247 WILLIMON, C. P., and MORGAN, C. L. The effect of minor nutrient mineral elements in the diet of chickens on feather pulling and cannibalism. Poultry Sci. 32:309-313. Mar.1953. 47.8 Am33P

55248 WRIGHT, B. F. Vitamins, minerals, etcetera. Grit & Steel 54(12):43. Apr.1953. 47.8 G88

Veterinary Medicine

55249 ASPEREN VERVENNE, B. VAN. Inoculation of young hens and so on. (In Dutch.) Doelmatige Veehouderij 1:115-117. Aug.1952. 49 D67

55250 AXWORTHY, R. Fowl paralysis. Poultry 112:182-183. Mar.24,1953. 47.8 P869

55251 BARANGER, P., and FILER, M. K. De l'action protectrice des colliers dans la malaria aviaire. Essai d'ethnographie expérimentale. Acta Trop. 10:69-72. 1953. 475 Ac8

55252 BENDIŠ, R. Agglutination de virus de la peste aviaire atipique avec les globules rouges conservés. (In Serbo-Croatian.) Vet. Arh. 22:282-285. 1952. 41.8 V6416
French and German summaries.

55253 BERGMANN, J. Vergleichende untersuchungen mit geflügel-alttuberkulin und "synthetischem" geflügeltuberkulin. Berlin. u. Münch. Tierärztl. Wchnschr. 66:93-94. Mar.15,1953. 41.8 B45

55254 BIGLAND, C. H., and PAPAS, G. Experiment in egg penetration by Salmonella. Canad. J. Compar. Med. 17:105-109. Mar.1953. 41.8 C162
Infection of hatching eggs.

55255 BIVINS, J. A. Pasteurellosis in a starling. Cornell Vet. 43:241-243. Apr.1953. 41.8 C81

55256 BODON, L. Essais tendant à la dissociation du pouvoir infectant et du pouvoir hémagglutinant du virus H (Hertfordshire) de la peste aviaire. (In Russian.) Acta Vet. 3:55-62. Ref. 1953. 41.8 Ac83
French summary.

55257 BRACKETT, S. Coccidiosis prevention for egg producers. Feedstuffs 25(14):30,32,34-35. Apr.4, 1953. 286.81 F322

55258 BRAGG, D. D. An attempt to determine the cause of curled or deformed tongues in young Beltsville White turkeys. Poultry Sci. 32:294-303. Ref. Mar.1953. 47.8 Am33P

55259 CLAYBAUGH, J. H. The flock owner's part in pullorum eradication. Nebr. Agr. Col. Ext. E. C. 1481, rev.,8 p. n.d. 275.29 N272Ex

55260 COTTRAL, G. E. The enigma of avian leukosis. Amer. Vet. Med. Assoc. Proc. 89:285-293. Ref. 1952,pub.1953. 41.9 Un3

55261 CUNNINGHAM, C. H. Methods employed in the diagnosis and investigation of infectious bronchitis and Newcastle disease. Amer. Vet. Med. Assoc. Proc. 89:250-258. Ref. 1952,pub.1953. 41.9 Un3
Includes discussion.

55262 DANKS, A. G., and GOLDHAFT, A. D. Television broadcast—demonstration of nervous symptoms of Newcastle disease. Amer. Vet. Med. Assoc. Proc. 89: 77-79. 1952,pub.1953. 41.9 Un3

55263 DAVIS, D. Facts about vaccination. Poultry Tribune 59(4):11,22-23. Apr.1953. 47.8 P8642

55264 DAY, W. C., and others. A study of the effect of in vitro cultivation on the pathogenicity of Newcastle disease virus for baby chicks and chick embryos. Cornell Vet. 43:203-207. Apr.1953. 41.8 C81
E. C. Delaha, R. L. Reagan, and A. L. Brueckner, joint authors.

55265 DELAPLANE, J. P., and GRUMBLES. L. C. Factors involved in the control of avian coccidiosis. Amer. Vet. Med. Assoc. Proc. 89:298-301. 1952,pub. 1953. 41.9 Un3

55266 DENTON, C. A., and others. Effect of injecting and feeding vitamin B_{12} to hens on content of the vitamin in the egg, chick and blood. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):412. Mar.1953. 442.9 F31P
W. L. Kellogg, R. J. Lillie, J. R. Sizemore, and H. R. Bird, joint authors.

55267 DOCTOR, V. M., and others. Manometric studies on oxidation of choline by avian liver homogenates. Soc. Expt. Biol. & Med. Proc. 82:257-258. Feb.1953. 442.9 So1
P. G. Sparks, H. O. Kunkel, and J. R. Couch, joint authors.

55268 EISENSTARK, A., and PELON, W. Studies on Newcastle disease virus. Catalase production in infected chick embryos. Kans. Acad. Sci. Trans. 56:63-66. Mar. 1953. 500 K13T

55269 ELLIS, W. "Intramuscular," new weapon in the industry's long battle against Newcastle disease. N. H. Breeder & Broiler Grower 16(2):18,34-35. Spring 1953. 47.8 N45

55270 EVERYBODYS chicken disease guide. Everybodys Poultry Mag. 58(4):24-25. Apr.1953. 47.8 F213P

55271 FABRICANT, J. Immunization against Newcastle disease with killed and wing-web vaccines. Amer. Vet. Med. Assoc. Proc. 89:264-268. Ref. 1952,pub.1953. 41.9 Un3
Includes discussion.

55272 FAVILLI, N., and AVANZI, C. On the genesis of the so-called white or yolkless egg. (In Italian.) Riv. di Zootec 26:59-61. Ref. Feb.1953. 49 R52

55273 FLUCKIGER, G. Zur neugestaltung der bekämpfung von geflügelseuchen. Geflügelhof 16:207-208. Apr.3,1953. 47.8 G276

55274 FRANCO, H. F. Treatment of coryza in poultry. (In Portuguese.) Lav. e Criação 8(46):55. Jan. 1953. 49 L392

55275 FUNK, E. M. Ten years of chick livability records. Mo. Poultry Impr. Assoc. Ybk. 1952:6-7. 47.9 M693

55276 GALLEGO PIEDRAFITA, J. Como lograr un efectivo control contra la leucosis. Reus Avic. 2:197,199. Jan.1,1953. 47.8 R31

55277 GALLEGO PIEDRAFITA, J. La leucosis aviar y algunas vacunas muertas. B. de Divulg. Ganad. [Ciudad Real] 7(76/78):31-34. Ref. Oct./Dec.1952. 49.9 Sp14

55278 GALLI, G. Effect of streptomycin on infectious coryza of poultry. (In Italian.) Clin. Vet. 76: 33-35. Feb.1953. 41.8 C61

55279 GALLI, G. Swine erysipelas in birds: observations on an enzootic of the swine erysipelas bacillus on a duck farm. (In Italian.) Clin. Vet. 76:17-21. Ref. Jan.1953. 41.8 C61

55280 GENTRY, R. F. The complement-fixation test—a review of its application in poultry diseases. Amer. Vet. Med. Assoc. Proc. 89:281-285. 1952,pub. 1953. 41.9 Un3

55281 GROSS, W. B., and JOHNSON, E. P. Effect of drugs on the agents causing infectious sinusitis of turkeys and chronic respiratory disease (air sac infection) of chickens. Poultry Sci. 32:260-263. Mar.1953. 47.8 Am33P

55282 GROSS, W. B. The use of terramycin in mineral oil as a treatment for infectious sinusitis of turkeys. Poultry Sci. 32:364-365. Mar.1953. 47.8 Am33P

55283 GUSTAFSON, D. P., and MOSES, H. E. Some effects of Newcastle disease virus on the English sparrow. Amer. Vet. Med. Assoc. Proc. 89:147-151. Ref. 1952, pub.1953. 41.9 Un3

55284 GWATKIN, R., DZENIS, L., and OAKLAND, G. B. Studies in pullorum disease. XXX. The effect of oral administration of testicular extract on the infectivity of Salmonella pullorum in chicks. Amer. Vet. Med. Assoc. Proc. 89:116-119. 1952,pub.1953. 41.9 Un3

55285 HARTWIGK, H. Kann man durch eleudronbehandlung aus pullorumpositiven hühnern pullorumnegative hühner machen? Arch. f. Geflugelk. 17:29-31. 1952. 47.8 Ar2
English summary.

55286 HAVERMANN, H., and SCHARPENSEEL, H. W. Versuche mit radioaktivem phosphor ^{32}P bei hühnern; die verteilung einer oral applizierten ^{32}P-gabe im körper von legehennen. Arch. f. Geflugelk. 17:5-15. 1952. 47.8 Ar2
English summary.

55287 HEEMSTRA, L. C. Salmonella infections in chickens and turkeys. Amer. Vet. Med. Assoc. Proc. 89:314-319. 1952,pub.1953. 41.9 Un3
Pullorum disease, fowl typhoid and salmonellosis. Includes discussion.

55288 HERBIG-SANDREUTER, A. Untersuchungen über den einfluss des höhenklimas auf hühnermalaria (Plasmodium gallinaceum, Brumpt). Acta Trop. 10:1-27. Ref. 1953. 475 Ac8
English summary.

55289 HERRICK, C. A. Coccidiosis. Wis. Agr. Col. Ext. C. 443,4 p. Mar.1953. 275.29 W75C
In poultry.

55290 HILLERMAN, J. P., KRATZER, F. H., and WILSON, W. O. Food passage through chickens and turkeys and some regulating factors. Poultry Sci. 32: 332-335. Ref. Mar.1953. 47.8 Am33P

55291 HITCHNER, S. B., and REISING, G. "Booster" spray increases immunity against Newcastle. Res. Rev. [Mass. Sta.] 2:6-7. Jan.1953. 100 M38R

55292 HITCHNER, S. B., and REISING, G. Flock vaccination for Newcastle disease by atomization of the B_1 strain of virus. Amer. Vet. Med. Assoc. Proc. 89:258-264. 1952,pub.1953. 41.9 Un3

55293 HOYT, H. H., POMEROY, B. S., and ROEPKE, M. H. Susceptibility of the causative agent of infectious sinusitis of turkeys to sulfamethazine, crystal violet, and antibiotics. Amer. Vet. Med. Assoc. Proc. 89:268-271. 1952,pub.1953. 41.9 Un3
Includes discussion

55294 HUTT, F. B., and COLE, R. K. On fleas, blood and the control of leucosis. World's Poultry Sci. J. 9:7-13. Ref. Jan./Mar.1953. 47.8 W89

55295 HUTTAR, J. Antibiotics for air sac. G. L. F. Week 17(36):1. Mar.16,1953. 280.28 G113W

55296 JACKSON, J. T., and others. Retention of Co^{60} labeled vitamin B_{12} in chickens. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):418. Mar. 1953. 442.9 F31P
L. J. Machlin, E. A. Brandenburger, C. A. Denton, and H. R. Bird, joint authors.

55297 JONES, T. E. Listeria monocytogenes infection in a fowl. Austral. Vet. J. 29:41-42. Feb.1953. 41.8 Au72

55298 JUNGHERR, E., SINGSEN, E. P., and MATTERSON, L. D. The present status of the encephalomalacia problem in chicks. Amer. Vet. Med. Assoc. Proc. 89:301-310. Ref. 1952,pub.1953. 41.9 Un3

55299 KENZY, S. G. Relationship of fowl lymphomatosis to Rous sarcoma. (Abs.) Iowa State Col. J. Sci. 27: 201-202. Jan.1953. 470 Io9

55300 KOCH, W. Die wirkung der östrogenen hormone auf die tuberkulose. Rindertuberkulose 2:28-36. In Monatsh. f. Tierheilk. 5(3). 1953. 41.8 M74
Cattle.

55301 KOUTZ, F. R. The effect of built-up litter on the parasite ova and oocysts of poultry. 2. Poultry Sci. 32:313-320. Mar.1953. 47.8 Am33P

55302 KROGH, G. Two cases of rhabdomyosarcoma in chickens. Nord. Vetmed. 5:232-236. Ref. Mar.1953. 41.8 N713

55303 LEVINE, P. P. Transmission of Newcastle disease and infectious bronchitis. Amer. Vet. Med. Assoc. Proc. 89:247-250. Ref. 1952,pub.1953. 41.9 Un3

55304 LIAO, Y. S., BUSHNELL, L. D., and EISENSTARK, A. A simplified technique for virus inoculation in chick embryos. Kans. Acad. Sci. Trans. 56:74-77. Mar.1953. 500 K13T

55305 LUTSKY, I. I., and BELL, A. E. Antibacterial action of egg albumen in embryonic immunity. Poultry Sci. 32:285-293. Ref. Mar.1953. 47.8 Am33P

55306 MCCALLION, D. J., and AITKEN, H. E. A cytological study of the oral glands of the fowl, Gallus domesticus. (Abs.) Nova Scotian Inst. Sci. Proc. 23:112. 1950/51,pub.Mar.1953. 517 H13

55307 MCDOWELL, S. A morphological and taxonomic study of the caecal protozoa of the common fowl, Gallus gallus L. J. Morph. 92:337-399. Ref. Mar.1953. 444.8 J826

55308 MCGREGOR, J. K. Preliminary observations on the use of certain nitrofuran compounds in the control of enterohepatitis (blackhead) in turkeys. Amer. Vet. Med. Assoc. J. 122:312-313. Apr.1953. 41.8 Am3

55309 MACHLIN, L. J., JACKSON, J. T., and PEARSON, P. B. Uptake of S^{35} labeled methionine by the feathers and some tissues of the growing chicken. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):422. Mar.1953. 442.9 F31P

55310 MACKEL, D. C., and others. Terramycin in the treatment of Salmonella california infection in turkeys. Amer. Vet. Med. Assoc. J. 122:306-307. Apr.1953. 41.8 Am3
M. M. Galton, J. S. Cowdery, and A. V. Hardy, joint authors.

55311 MAINARDI, B. Antithyrotoxic action of vitamin B_{12} in growing chicks treated with iodoproteins. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1682-1684. Aug./Oct.1952. 442.8 So12

55312 MANRESA, M. The turkey as a host for Plasmodium lophurae Coggeshall, 1938. (Abs.) Iowa State Col. J. Sci. 27:215-216. Jan.1953. 470 Io9

55313 MÜLLER, H. Die fremdkörpererkrankung des rindes und ihre behandlung. Monatsh. f. Tierheilk. 5:33-44. (Cont.) 1953. 41.8 M74

55314 MUNDAY, R. A. The positions in the shell and weights of eighteen- to twenty-one-day chick embryos in relation to hatchability. Poultry Sci. 32:202-207. Mar. 1953. 47.8 Am33P

55315 NATIONAL TURKEY FEDERATION. In production and disease control what's new? I. Turkegram. 3(3):24,44-48. Mar.1953. 47.38 T844
Discussion at the convention.

55316 OLSON, N. O. Respiratory diseases of poultry in West Virginia. W. Va. Agr. Col. Ext. C. 365,19 p. Feb 1953. 275.29 W522C

55317 PAIEMENT, R. J. La mortalité des poussins peut être réduite. Avicult. Québecois 8:9-12. Jan./Feb. 1953. 47.8 Av55

55318 PATERSON, D. W., SHNEOUR, E. A., and PEEK, N. F. Effects of feeding cholesterol esters on plasma and liver cholesterol in the chick. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):426. Mar. 1953. 442.9 F31P

55319 PAVLOVIĆ, V. La glycémie du coq et du lapin au cours de l'adaption aux températures ambiantes élevées. Acad. Serbe des Sci. Cl. des Sci. Math. et Nat. B. Sci. Nat. (n.s.)4:213-214. 1952. 510 B45

55320 PEROTTI, R. M. Profilaxis que debe aplicarse a las aves en la epoca estival. Mundo Agr. 5(45):88-89. Feb.1953. 9 M92

55321 PETERSON, H. J., RAMSEY, F. K., and COLLIER, J. R. Identification of bacterial pathogens of poultry by practicing veterinarians. Iowa State Col. Vet. 15:73-77. 1953. 41.8 V6425

55322 PETERSON, O. H. What can we do about 'air-sac'? Will science solve the mystery of this complex poultry disease in '53? Poultry Supply World 30(2):20,22. Feb.1953. 47.8 BI1

55323 PULSFORD, M. F., and STOKES, J. Infectious laryngotracheitis in South Australia. Austral. Vet. J. 29:8-12. Jan.1953. 41.8 Au72
In poultry.

55324 QUEBEC. DEPT. OF AGRICULTURE. LIVE STOCK AND HEALTH OF ANIMALS BR. POULTRY DIV. General report of flocks selection and blood testing against pullorum, 1951-52 season. Quebec,1952. 10 p. 47.9 Q3

55325 ROF CODINA, J. Patologia aviar: la indigestión del buche o "embuchado". Zamora. Junta Prov. de Fomento Pecuario. B. 11(129/130):16-18. 1952. 49.9 Sp13

55326 ROF CODINA, J. Patologia aviar: roña de las patas. Zamora. Junta Prov. de Fomento Pecuario. B. 11(129/130):15-16. 1952. 49.9 Sp13

55327 SCHMITTLE, S. C. Studies on Newcastle disease. XI. Newcastle disease antibodies in the serum globulin fractions of the chicken. Amer. Vet. Med. Assoc. Proc. 89:143-147. 1952,pub.1953. 41.9 Un3

55328 SHELLABARGER, C. J. Observations of the pineal in the White Leghorn capon and cockerel. Poultry Sci. 32:189-197. Ref. Mar.1953. 47.8 Am33P

55329 SIPERSTEIN, M. D., NICHOLS, C. W., and CHAIKOFF, I. L. Effects of ferric chloride and bile on plasma cholesterol and atherosclerosis in the cholesterol-fed bird. Science 117:386-389. Apr.10,1953. 470 Sci2
Experiment on White Leghorns.

55330 STUBBS, E. L. Fowl plague as a possible threat to the poultry industry. Amer. Vet. Med. Assoc. Proc. 89:294-297. 1952,pub.1953. 41.9 Un3
Includes discussion.

55331 STURKIE, P. D., WEISS, H. S., and RINGER, R. K. Effects of age on blood pressure in the fowl. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):140. Mar.1953. 442.9 F31P

55332 SYLSTRA, A. W. Fowl typhoid. Mass. U. Agr. Ext. Spec. C. 199,4 p. July 1952. 275.29 M38Isc

55333 TOTOMIS, P. Enteric coccidiosis of poultry. (In Greek.) Ptenotrophikon Delt. 17:16-17. May/Nov. 1952. 47.8 P952

55334 U. S. BUR. OF ANIMAL INDUSTRY. Newcastle disease vaccine. Washington,1952. 2 p. 1.972 A2N43

55335 VALLEE, A. Coligranulomatose de la poule. Rec. de Méd. Vet. 129:107-112. Feb.1953. 41.8 R24

55336 VAN NESS, G. Trichomoniasis is new problem but old disease. Fla. Poultry & Farm J. 19(4):10,12-13. Apr.1953. 47.8 F66

55337 VAN ROEKEL, H., and OLESIUK, O. M. Chronic respiratory disease of chickens. Amer. Vet. Med. Assoc. Proc. 89:271-281. Ref. 1952,pub.1953. 41.9 Un3
Includes discussion.

55338 VANTCHEV, T. L'aviculture en Bulgarie. Avicult. Basse-Cour 9:10. Jan./Feb.1953. 47.8 Av53

55339 WASSERMAN, B., and YATES, V. J. Immunity studies with Newcastle disease vaccine (intranasal type). M. S. C. Veterinarian 13:91-93. Winter 1953. 41.8 M582

55340 WHITE, R. F., and EASTLICK, H. L. The development of melanophores in the down feathers and skin of the Silkie fowl. Poultry Sci. 32:235-247. Ref. Mar.1953. 47.8 Am33P

55341 WHITE-STEVENS, R. H. Controlling coccidiosis in broiler flocks. Canad. Poultry Rev. 77(4):14-15. Apr.1953. 47.8 C16

55342 WOLFF, E., and WOLFF, E. Le déterminisme de la différenciation sexuelle de la syrinx du canard cultivée in vitro. B. Biol. de la France et de la Belg. 86:325-349. Ref. Fourth Q.1952. 473 B87

55343 WORDEN, A. N. Functional anatomy of birds. 26. Cage Birds 103:389. Mar.26,1953. 413.8 C11C

55344 ZURECK, F., and SCHOLZ, D. Der verlauf der geflügelpest in Westberlin in den jahren 1950 bis 1952. Berlin. u. Münch. Tierärztl. Wchnschr. 66:73-74. Mar.1, 1953. 41.8 B45

Miscellaneous

55345 AMERICAN POULTRY & HATCHERY FEDERATION. Who's who in the hatchery world and yearbook for 1953. Ed.19. Kansas City, Mo.,1953. 500 p. 47.9 In83

55346 APPLEYARD, R. Why waste valuable goslings? Poultry World 92:374. Apr.2,1953. 47.8 P8682
Incubation.

55347 ASPEREN VERVENNE, B. VAN. Raising young hens in colony folds. (In Dutch.) Doelmatige Veehouderij 1:58-60. Apr.1952. 49 D67

55348 BALL, M. Modern methods of poultry keeping. (In Dutch.) Pels en Pluim 7(7):12. Apr.3,1953. 47.8 P36
In England.

55349 BARDWELL, E. T. The New Hampshire broiler test. N. H. Breeder & Broiler Grower 16(2):14-17. Spring 1953. 47.8 N45

55350 BARTSCH, F. Die hühnerhaltung auf dem bauernhofe. Deut. Bauern Kal. 1953:172-174. 18 D4826
Russian Zone of Germany.

55351 BAUDOUIN, A. Le contrôle sanitaire des élevages avicoles dans les Côtes-du-Nord. Avicult. Basse-Cour 9:12. Jan./Feb.1953. 47.8 Av53

55352 BINET, P. Pour faire de l'aviculture fermiere une source de profit. Rev. de l'Élevage 8:245,247-248, 333,335,337. Mar.-Apr.1953. 49 B462
Farm management and meat production.

55353 BIRD, H. R. Cleaning up with broilers. Amer. Egg & Poultry Rev. 15(2):25. Feb.1953. 47.8 Am38
Broiler house sanitation.

55354 BIRRER, W. Aus Schwedens geflügelzucht. Geflügelhof 16:209-212. Apr.3,1953. 47.8 G276

55355 BIWER, H. Geflügelhochzucht in Dänemark. Deut. Wirtgeflügelzucht. 5:277-279. Feb.21,1953. 47.8 D483

55356 BLANCO ESTEVEZ, D. F. Reglamentación sanitario-comercial de la avicultura. Reus Avic. 2:187, 189,191. (Concl.) Jan.1,1953. 47.8 R31

55357 BRIDNÍÀ, M. N. My method of raising chicks. (In Russian.) Ptitsevodstvo 1:18-19. Jan.1953. 47.8 P95

55358 BURGSDORFF-GARATH, VON. 25 jahre Archiv für Geflügelkunde. Arch. f. Geflugelk. 17:3-4. 1952. 47.8 Ar2

55359 CALIFORNIA. POULTRY IMPROVEMENT COMMISSION. Thirteenth California official egg laying test. Rules and regulations for test year 1952-53, Oct.1,1952 to Sept.15,1953. Modesto,1953. 8 p. 47.9 C12Cru

55360 CANFIELD, T. H. Sex segregation—does it pay? Turkey World 28(3):11,73-74. Mar.1953. 47.38 T84

55361 CAPELLO, G. G. A group of farmers lays the basis for organized aviculture. (In Portuguese.) Lav. e Criação 7(45):63-68. Dec.1952. 49 L392

55362 CASA PACHECO, MARQUÉS DE. El arbolado en los parques avícolas. Avicult. Téc. 5:231-232. Jan. 1953. 47.8 Av57

55363 CASTELLÓ, F. Por San Antón, gallinita pon. Avicult. Téc. 5:239-241. Jan.1953. 47.8 Av57
Seasonal egg production.

55364 CECIL, L. Weaning chicks from heat. Mod. Poultry Keeping 68:308. Mar.25,1953. 47.8 Eg3

55365 CLARK, W. E. A "big" poultry farm meets changing times. N. J. Farm & Gard. 24(4):60-62. Apr. 1953. 6 G162

55366 COLES. R. Choosing the right system. Poultry World 92:371. (Cont.) Apr.2,1953. 47.8 P8682

55367 COLES, R. Choosing the right system. 2. Poultry World 92:398. Apr.9,1953. 47.8 P8682

55368 CORTIGUERA, J. A. Reportajes avicolas: la puesta invernal. Agricultura [Madrid] 22:77-79. Feb. 1953. 15 Ag84

55369 COTTERILL, O. J., and WINTER, A. R. Some nitrogen studies of built-up litter. Poultry Sci. 32:365-366. Mar.1953. 47.8 Am33P

55370 CRAYSON, J. The differenciation of male and female chicks. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:137-140. Jan./Mar.1953. 22.5 Ir1

55371 CREMERS, P. H. M. Comments on the article: "Importance of composts and so on." (In Dutch.) Doelmatige Veehouderij 1:158-160. Oct.1952. 49 D67
Poultry litter.

55372 DEKHTÍARENKO, I. E. My method of incubating goose eggs. (In Russian.) Ptitsevodstvo 1:16. Jan. 1953. 47.8 P95

55373 DELCROIX, M. L'exploitation sportive du pigeon voyageur. Maisons-Alfort,Au Manuscrit,1952. Ref. 66 p. 47.2 D372
Thèse - École Nationale Vétérinaire, Alfort.

55374 DEMBINSKI, J. Bericht über versuche zur steigerung der legetätigkeit bei hühnern. Österr. Kleintierzüchter 8:38. Mar.1953. 49 Os7

55375 DUTTLINGER, E. Bäuerliche geflügelhaltung; ist naturbrut überflüssig? Grüne 81:288-289. Mar.13, 1953. 17 Sch9

55376 EBBELL, H. Möglichkeiten der rationalisierung in der geflügelwirtschaft. I. Deut. Wirtgeflügelzucht. 5:353-359. Mar.28,1953. 47.8 D483

55377 EICKEL, H. Bisherige erfahrungen in der aufzucht der küken in batterien. Deut. Wirtgeflügelzucht. 5:343. Mar.21,1953. 47.8 D483

55378 FINKLE, D. Why do broiler growers fail? Broiler Growing 4(4):14,76-77. Apr.1953. 47.8 B782

55379 FINNE, L. Raising of early hatched chicks. (In Swedish.) Lantm. och Andelsfolk 26:48-52. Feb.28, 1953. 20 L29

55380 GENERAL MILLS, INC., MINNEAPOLIS. Larro poultry guide. Minneapolis,1952. 87 p. 47 G282Lp

55381 GOODELL, R. A. Broiler check list. Chirps, Mar.1953:9-10. 47.8 C44
Care.

55382 GOODELL, R. A. Managing early replacements. Chirps.Mar.1953:4,7-8. 47.8 C44

55383 GORDEUK, A. Success in brooding. Turkey World 28(4):14-15,71-73. Apr.1953. 47.38 T84

55384 GREAVES, H. M. Systems of marking. Agr. Gaz. N. S. Wales 64:39-41. Jan.1953. 23 N472
Poultry.

55385 GROTHE, K. Wie können bessere brutergebnisse erzielt werden? Deut. Landwirt. 4:106-107. Feb. 1953. 18 D4822

55386 HANS, M. Zehenpicken-federfressen. Geflügelhof 16:118. Feb.27,1953. 47.8 G276

55387 HEIKENS. Herdbuchnachzucht legt im durchschnitt 219 eier. Landwirtbl. Weser-Ems 100:314-315. Mar.19,1953. 18 L2345

55388 HENDERSON, D. C., WHELDEN, H. C., and WOOD, G. M. Range and confinement rearing of poultry. Vt. Agr. Expt. Sta. B. 568,8 p. Jan.1953. 100 T59

55389 HENDRIKSE, J. J. The battery system for laying hens. (In Dutch.) Doelmatige Veehouderij 1:78-79. May 1952. 49 D67

55390 HIGGINS, J. S. Hatching egg premiums or pullet egg prices? Early large eggs give you 2 to 1 edge. Chirps, Mar.1953:1-2. 47.8 C44

55391 HOOGENDOORN, J. The deep litter system. (In Dutch.) Doelmatige Veehouderij 1:105-110. July 1952. 49 D67

55392 HOOGENDOORN, J. Light under the brooder. (In Dutch.) Pluimveeteelt 6(4):8. Feb.13,1953. 47.8 P722

55393 HUBNER, O. Anleitung zur aufzucht und mast von Pekingenten. Osterr. Kleintierzüchter 8:39-40. (Cont.) Mar.1953. 49 Os7

55394 IOFE, N. S. For better organization of zootechnical services to collective poultry farms [by the incubator poultry raising stations]. (In Russian.) Ptitsevodstvo 1:5-8. Jan.1953. 47.8 P95

55395 JOHNSON, L. How many turkeys can one man raise? Turkey World 28(3):18,78-79. Mar.1953. 47.38 T84

55396 KING, S. C. Why we started a random sample test. Poultry Tribune 59(4):8,34. Apr.1953. 47.8 P8642
Laying tests.

55397 KON', S. E. Raising chicks of early hatchings. (In Russian.) Ptitsevodstvo 1:17. Jan.1953. 47.8 P95

55398 KORNWEIN, W. Neue erfahrungen mit infrarot-strahlern. Deut. Wirtgeflügelzucht. 5:322. Mar. 14,1953. 47.8 D483
Care of chicks.

55399 LANCASHIRE COUNTY INSTITUTE OF AGRICULTURE. DEPT. OF POULTRY HUSBANDRY. Hen battery economics 1952-1953. Off season pullets (48 weeks). Preston,1953. 11 p. 47.9 L225

55400 LATORRE, L. Explotación de aves en baterias. VI. B. de Zootec. 8:373-379. Dec.1,1952. 41.9 So16

55401 LEE, A. E. The big business of duck farming. Poultry Herald 65(4):5-7. (Cont.) Apr.1953. 47.8 P862

55402 LEGGE, T. Home off the range. Farmers Wk. [London] 38(15):75,77,79. Apr.10,1953. 10 F2226
Poultry system combining free range and temporary housing.

55403 LEYDOLPH, W., and SCHNEIDERHOHN, R. Zusammenhang der schalenbeschaffenheit von hühnereiern mit dem schlupfergebnis. Z. f. Tierzücht. u. Züchtbiol. 60:331-340. Dec.1952. 442.8 Z35

55404 MAMMES, P. A. The free range system. (In Afrikaans.) S.A.P.A. Poultry B. 17(185):9,11. Feb.1953. 47.8 So89
Poultry.

55405 MANSER, E. Der skandinavische geflügelstandard. Geflügelhof 16:155-158. (Cont.) Mar.13,1953. 47.8 G276

55406 MARSDEN, S. Standards for turkey raising. Turkey World 28(3):20-21,80-82. Mar.1953. 47.38 T84

55407 MARSOT, P. H. Qui doit se procurer des poulettes et des cochets R.O.P. Avicult. Québecois 8(3): 19-20. Mar.1953. 47.8 Av55

55408 MATELA, A. G. Raising chickens for profit. Agr. & Indus. Life 15(2):4-5,48-49. Feb.1953. 25 Ag8
In the Philippines.

55409 MEHRHOF, N. R., and MOORE, J. S. Brooding chicks, producing broilers, raising pullets. Fla. Agr. Col. Ext. B. 154,39 p. Dec.1952. 275.29 F66
A revision of Bulletin 128.

55410 MELCHIOR, F. Common-sense brooding. Pacific Poultryman 57(3):6-7,59-60. Mar.1953. 47.8 P112

55411 MILLS, W. C. North Carolina shelter meets approval of producers. Turkey World 28(4):20-21. Apr. 1953. 47.38 T84

55412 MISSOURI POULTRY IMPROVEMENT ASSOCIATION. 1953 yearbook. Columbia,1953. 64 p. 47.9 M693

55413 MOORE, A. C. My endless-belt table plans had to be modified. Poultry 112:183. Mar.24,1953. 47.8 P869
Rearing system.

55414 MOORE, E. N. How to manage built-up litter. Poultry Tribune 59(4):7,30. Apr.1953. 47.8 P8642

55415 MUELLER, C. Time to cut trapnest labor. Amer. Hatchery News 28(2):13,15. Oct.1952. 47.8 In83

55416 MUELLER, C. D., and COOMBS, R. Accuracy of part-time trapnesting on an individual and family basis. Poultry Sci. 32:263-267. Mar.1953. 47.8 Am33P

55417 MUNDERLOH, G. So gibt es keine versager in der zwangsbrut mit puten. Kleintier u. Gart. 6:26. Jan. 17,1953. 49 K675

55418 NATIONAL TURKEY FEDERATION. In breeding and breeder management what's new? I. Turkegram 3(3):20-22,39-48. Mar.1953. 47.38 T844
Discussion at the convention.

55419 NICOLAI, E. Rechtzeitige vorbereitungen für die brut- und aufzuchtsaison 1953—ein beitrag zur sicherung der rentabilität. Demokratische Dorf 2(12):22-23. Dec.1952. 281.8 D39

55420 NIKOLAEVA, N. A. Methods of planning poultry production on collective farms. (In Russian.) Ptitsevodstvo 1:8-11. Jan.1953. 47.8 P95

55421 PAIEMENT, R. J. Le troupeau de 200 poules est-il profitable? Ferme 14(7):47-49. Mar.1953. 7 F38

55422 PAK, J. H. Care of poultry in the fall. (In Dutch.) Doelmatige Veehouderij 1:156-158. Oct.1952. 49 D67

55423 PARKS, R. We scalped the medicine man. A keen-thinking poultryman proves that a chicken does not have to become a drug addict to stay alive. Org. Farmer 4(8):28-29,42,44. Mar.1953. 57.8 Or3

55424 PATON, W. N. The Poultry Efficiency Recording Scheme. N. Z. Poultry World 16:9-10. Jan.1953. 47.8 N11

55425 PEASEGOOD, J. Management of laying ducks 6. Why duck eggs need plenty of damping. Poultry 112: 184. Mar.24,1953. 47.8 P869

55426 PEELE, F. E. Turkeys as a general farm crop. Poultry Field 5(24):12-13,17. Apr.9,1953. 47.8 P8655
Breeding, care, and slaughtering.

55427 PEL'TSER, S. O. Practical importance of O. B. Lepeshinskaia's work for incubation of poultry eggs. (In Russian.) Ptitsevodstvo 1:27-28. Jan.1953. 47.8 P95

55428 PENNSYLVANIA. DEPT. OF AGRICULTURE. BUR. OF MARKETS. Pennsylvania-U.S.-poultry-record of performance, 1951-52. Harrisburg,1952. 7 p. 47.9 P382
Includes turkeys.

55429 PERUCHON DE BROCHARD, J. Técnica de las yacijas permanentes en avicultura. Avicult. Téc. 5: 221-225. Jan.1953. 47.8 Av57

55430 PIJOAN Y GRAU, M. Paticultura. Ceres [Valladolid] 18(200):29,31,33. Feb.1,1953. 15 C33

55431 POULTRY PRODUCERS OF CENTRAL CALIFORNIA. 1952 annual report. Nulaid News 30(11):6-13, 39-48. Apr.1953. 47.8 N917

55432 POULTRY WORLD. Easy reference encyclopedia. 7. Poultry World 92(12,sup.),8 p. Mar.19,1953. 47.8 P8682

55433 POULTRY WORLD. Easy reference encyclopaedia. 8. Poultry World 92(13,sup.),8 p. Mar.26,1953. 47.8 P8682

55434 POULTRY WORLD. Easy reference encyclopedia. 9. Poultry World 92(14 sup.),8 p. Apr.2,1953. 47.8 P8382

55435 POULTRY WORLD. Easy reference encyclopedia. 10. Poultry World 92(15,sup.),8 p. Apr.9,1953. 47.8 P8682

55436 RAE, W. J. Turkey raising in Saskatchewan. Saskatchewan U. Col. Agr. Ext. B. 63,16 p. Jan.1953. 7 Sa76A

55437 REED, F. D. New yardsticks from the Maine broiler test. N. H. Breeder & Broiler Grower 16(2):26-27. Spring 1953. 47.8 N45

55438 REED, F. D. Profits from the laying flock. Maine. Agr. Col. Ext. B. 427,24 p. Jan.1953. 275.29 M281B
Stock, feed, care, and business management.

55439 REED, F. D. Turkey raising in Maine. Maine. Agr. Col. Ext. B. 421,16 p. Apr.1952. 275.29 M281B

55440 RENNEBERG, A. Unsere legeleistungsberechnungen. Deut. Wirtgeflügelzucht. 5:282-283. Feb. 21,1953. 47.8 D483
Poultry.

55441 RICE, W. H. Brooding replacement and broiler chicks. Md. Agr. Col. Ext. Fact Sheet 64,4 p. Feb.1953. 275.29 M36Fa

55442 RIVERS, F. Building a small farm with poultry. V. Good Husb. 3(5):11-12,18. Jan.1953. 24 G59
Chick care.

55443 ROF CODINA, J. Avicultura: ciencia y experiencia. Cult. Mod. 36(2):48-49. Feb.1953. 15 C89
Spain.

55444 ROY, J. B. Le succés est aussi question de prévoyance. Avicult. Québecois 8(3):3. Mar.1953. 47.8 Av55

55445 SANBORN, L. Where can you improve? Pacific Poultryman 57(3):4-5,38. Mar.1953. 47.8 P112

55446 SCHMIDT, H. W. Gesetzliche vorschriften für den geflügelhalter zur abwehr von raubwild und raubzeug in hof und stall. I. Allg. Geflügel-Ztg. 33(8):2. (Cont.) Mar.10,1953. 47.8 AL5

55447 SCHOPFLOCHER, R. En una avicultura semiextensiva descansa el exito de la granja. Mundo Agr. 46:74-75. Mar.1953. 9 M92

55448 SHEPEL', A. B. A leading poultry farm [of Chapaev Kolkhoz in Plastunov District, Krasnodar Territory]. (In Russian.) Ptitsevodstvo 1:19-20. Jan.1953. 47.8 P95

55449 SIEVERLING, J. W. Squabs. Feeds Illus. 4(4): 14-15. Apr.1953. 389.78 F326
Raising.

55450 STEPHENSON, A. B. Effect of holding on hatchability of turkey eggs. Farm & Home Sci. [Utah Sta.] 14(1):14-15,23. Mar.1953. 100 Ut1F

55451 STEWART, G. F. Progress report to the poultry industry. San Joaquin Val. Poultryman 23(10): 13-14,16. Mar.1953. 47.8 Sa53
Care.

55452 STOECKLI, J. P. Aviculture paysanne. Almanach Agr. de la Suisse Romande 91:75-76. 1953. 30.3 AL6

55453 TAYLOR, J. C. More profits next winter? Watch range today. N. J. Farm & Gard. 24(4):67-69. Apr.1953. 6 G162
Managing pullets on range, and how to select a good pullet.

55454 TEENSMA, B. Importance of compost and so on. (In Dutch.) Doelmatige Veehouderij 1:123-125. Aug. 1952. 49 D67
Litter.

55455 TEENSMA, B. Once more on the importance of compost and so on. (In Dutch.) Doelmatige Veehouderij 1: 175-176. Nov.1952. 49 D67
As poultry litter.

55456 TRASK, O. S. Raising baby chicks. R. I. State Col. Ext. B. 149,15 p. Mar.1953. 275.29 R34
For 4-H Clubs.

55457 TRENCHI, H., and BRUCKNER, J. H. Los concursos de postura y su influencia en la avicultura de los EE. UU. Zootechnia 2:113-116. Jan./Feb.1953. 41.8 Z73

55458 UBBELS, P. Incubator tests at the National Institute for Poultry Breeding. (In Dutch.) Pluimveeteelt 6(4):6;(5):3. Feb.13-27,1953. 47.8 P722

55459 ULRIK, P. Welches sind die gründe eines schlechten brutresultates? Geflügelhof 16:115-116. Feb. 27,1953. 47.8 G276

55460 U. S. BUR. OF ANIMAL INDUSTRY. Poultry specialty clubs and national associations. U. S. Bur. Anim. Indus. A. H. D. 18,rev.,3 p. Mar.1953. 1.9 An52Al

55461 U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries and dealers participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 36(sup.4),5 p. Apr.10,1953. 1.9 An52Ah

55462 U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries, dealers and independent flocks participating in the National Turkey Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 105(sup.1),4 p. Apr.10, 1953. 1.9 An52Ah

55463 U. S. OFF. OF EXPERIMENT STATIONS. Bibliography on poultry industry, chickens, turkeys, aquatic fowl, gamebirds, 1952, by R. B. Nestler, C. Zeigfinger, and C. DeLashmitt. Washington,1953. 117 p. 1.912 B472

55464 URNER, F. E., and URNER, S. K. Some interesting egg aspects. Amer. Egg & Poultry Rev. 15(2): 26,93. Feb.1953. 47.8 Am38

55465 VEGA BAENA, F. Hace falta un concurso de puesta para patas. Avicult. Téc. 5:242-243. Jan.1953. 47.8 Av57

55466 VEITSMAN, L. N., and others. Productivity [of eggs] of guinea fowl in Moscow under conditions of pasture maintenance. (In Russian.) Akad. Nauk SSSR. Inst. Genet. Trudy 19:257-270. 1952. 442.9 P44
N. M. Levin, N. I. Levina, and T. D. Sirotkina, joint authors.

55467 WALLING, T. R. Meat-type New Hampshires by Nichols. Amer. Egg & Poultry Rev. 15(2):80-82. Feb.1953. 47.8 Am38

55468 WALTER, A. Hell- und dunkelstrahler in der kükenaufzucht. Deut. Wirtgeflügelzucht. 5:321-322. Mar. 14,1953. 47.8 D483

55469 WHEELER, R. S. Georgia broiler test. N. H. Breeder & Broiler Grower 16(2):23-24. Spring 1953. 47.8 N45

55470 WHITE, M. E. Hawkesbury Agricultural College. N. Z. Poultry World 16:25-27,29. Jan.1953. 47.8 N11

55471 WIELER, E. Grundlagen der bruttechnik. Deut. Wirtgeflügelzucht. 5:341-343. Mar.21,1953. 47.8 D483

55472 WIJK, P. J. Early or late chicks? (In Dutch.) Doelmatige Veehouderij 1:180-181. Dec.1952. 49 D67

55473 WILSON, E. My deep-litter try-out proved encouraging. Poultry 112:135. Mar.3,1953. 47.8 P869

55474 WIRTHMORE POULTRY SERV. DEPT. Timely topics. Ed. 11. Concorn,N.H.,Rumford Press,1953. 204 p. 47 W74

55475 WOLFE, T. K. Virginia broiler industry is through its shakedown. Turkey World 28(3):60,62. Mar. 1953. 47.38 T84

55476 ZAITSEVSKII, I. G. Leading method of raising chicks on poultry farms of kolkhozes in Mytishchin and Pushkin Districts, Moscow Region. (In Russian.) Ptitsevodstvo 1:12-15. Jan.1953. 47.8 P95

RABBITS

Breeds and Breeding

55477 CSEH, A., and ERDOS, T. Method of gaining, dilution and conservation of rabbit semen. (In Hungarian.) Magyar Allat. Lapja 8:42-45. Feb.1953. 41.8 V644
English summary.

55478 DOGGETT, V. C. Daily variation in the reproductive potential of male rabbits. Mich. U. Diss. Abs. 13:110-111. Feb.1953. 241.8 M58

55479 DRESSE, O. En faveur du lapin Rex. Cour. Hort. 15:161-162. Mar.1953. 80 C834

55480 OLSEN, H. M. There is sense in raising rabbits after 10 year's extensive breeding work. (In Danish.) Husmandshjemmet 3(9):12-13. Mar.3,1953. 11 H963

55481 SPREITZ, E. Unsere deutschen Grosssilber schwarz. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(6): 6. (Cont.) Mar.20,1953. 40.28 D48

55482 VARENNE. La reproduction chez les lapins. Avicult. Basse-Cour 9:26. Jan./Feb.1953. 47.8 Av53

Feeds and Feeding

55483 DIETRICH, H. Der übergang zur grünfütterung. Deut. Kleintier-Züchter 8(6):6-7. Mar.20,1953. 49 D483
Rabbits.

55484 SANDFORD, J. C. Getting the best out of food. Fur & Feather 116:188,197. Mar.19,1953. 49 F96

55485 STUTE, K. Die bestimmung der verdaulichkeit von topinamburkraut durch verdauungsversuche an Angorakaninchen. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(5):2. Mar.5,1953. 40.28 D48

55486 TEMPLETON, G. S. Feeding moldy hay to domestic rabbits. Amer. Rabbit J. 23:57. Apr.1953. 40.28 Am3

55487 TEMPLETON, G. S. Fur eating habit and protein requirements. Amer. Rabbit J. 23:59. Apr.1953. 40.28 Am3

Veterinary Medicine

55488 CHECA, G. La precocidad en los gazapos. Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 58:8. Mar.1953. 15 Sa7

55489 CRARY, D. D., and SAWIN, P. B. A second recessive achondroplasia in the domestic rabbit. J. Hered. 43:255-259. Nov./Dec.1952. 442.8 Am3

55490 HORVATH, Z. Keratosis follicularis s. spinulosa beim kaninchen. (In Russian.) Acta Vet. 3:91-95. 1953. 41.8 Ac83
German summary.

55491 JACOTOT, H., and VALLEE, A. Le myxome infectieux du lapin dans les garennes françaises. Acad. Vét. de France. B. 26:25-33. Jan.1953. 41.9 R24
Includes discussion.

55492 KARDYMOWICZ, O. Artificial ovulation in the rabbit produced by serum of the blood of pregnant mares. (In Polish.) Rocz. Nauk Roln. 65:263-272. Ref. 1952. 20.5 R59
English summary.

55493 KELLOGG, C. E. About weights of rabbits at eight weeks. Amer. Rabbit J. 23:58-59. Apr.1953. 40.28 Am3

55494 LUND, E. E. Mortality among hutch-raised domestic rabbits. Calif. Rabbit News 14:3-5,14-16. Apr.1953. 40.28 C12

55495 NORDIO, C. B. Importance of light on the blood picture of rabbits with anemia caused by onions. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1705-1706. Aug./Oct.1952. 442.8 So12

Miscellaneous

55496 APPLEGATE, F. Cooperation proves key to success. Amer. Rabbit J. 23:49. Apr.1953. 40.28 Am3
National Rabbit Week.

55497 GAUBE, G. Kritik, die grundlage zum erfolg. Osterr. Kleintierzüchter 8:42. (Cont.) Mar.1953. 49 Os7
Rabbits.

55498 MOE, V. Have a happy healthy rabbit. All-Pets Mag. 24(3):149-151. Mar.1953. 48.8 AL5

55499 O'DELL, C. A. 30th A.R.B.A. Convention and Show. Small Stock Mag. 37(4):4,6. Apr.1953. 48.8 P442
On children showing rabbits.

55500 SMITH, E. Why don't they judge to the standard? Because it just can't be done! Fur & Feather 116: 203,213. Mar.26,1953. 49 F96
Chinchilla rabbits.

55501 TEMPLETON, G. S. Fur eating. Calif. Rabbit News 14:8. Apr.1953. 40.28 C12

SHEEP AND GOATS

Breeds and Breeding

55502 AKADEMIIA NAUK SSSR. INSTITUT MORFOLOGII ZHIVOTNYKH IM. A. N. SEVERTSOVA. Raboty po morfologii i fiziologii serykh karakul'skikh ovets [Works on the morphology and physiology of grey Karakul sheep], v. 7. Moskva,1952. 256 p. Ref. 410.9 Ak13

55503 ALONSO MUNOZ, A. Pedigree y prueba en el ganado Karakul. Arch. de Zootec. 2(5):14-17. 1953. 49 Ar22
English summary.

55504 AUSTIN, E. D. Summer breeding. Better Goat-keeping 8:1743-1749. Mar./Apr.1953. 40.18 B46

55505 BETTINI, T. M., and CARIA, E. First research on the correlation between milk production and wool production in Sardinian sheep. (In Italian.) Riv. di Zootec 26:55-58. Feb.1953. 49 R52

55506 BRITISH GOAT SOCIETY. List of goats accepted under the stud goat scheme for the improvement of breeding of goats in England and Wales, season 1952-53. Diss,Norfolk,1953. 17 p. 40.19 B77L

55507 CALVO, C. A. El Merino Australiano. Campo [Tacuba] (ser.2)20(731):76-80. Jan.31,1953. 8 C157

55508 CASSARD, D. W., and others. Environmental factors affecting body size and conformation of Rambouillet yearling ewes. J. Anim. Sci. 12:140-147. Ref. Feb. 1953. 49 J82
P. W. Gregory, J. F. Wilson, W. C. Rollins, and W. C. Weir, joint authors.

55509 CHIEFFI, A. The sheep sire. (In Portuguese.) Lav. e Criação 7(45):41. Dec.1952. 49 L392

55510 CONGIU, S. Somalian goats—a biometrical study. (In Italian.) Zootec. e Vet. 7:409-415. Oct.1952. 41.8 Z7
English summary.
Modugh and Benadir breeds.

55511 CZAJA, M. Polska owca górska. Polish hill sheep. Rocz. Nauk Roln. 63,197 p. Ref. 1952. 20.5 R59
English summary.
Breeding.

55512 DEROUINEAU, L. Le mouton Bleu du Maine. Maisons-Alfort,Au Manuscrit,1952. 51 p. 45 D442
Thèse - École Nationale Vétérinaire, Alfort.

55513 ELLIOT, W. Strive for a larger Border Cheviot. Farming News & No. Brit. Agr. 105(spec.no):80. Jan.1,1953. 10 N82

55514 ERCANBRACK, S. K. Selection indexes for range Rambouillet, Columbia and Targhee lambs. (Abs.) Iowa State Col. J. Sci. 27:160-162. Jan.1953. 470 Io9

55515 FETHERS, G. We shall need more lambs. Past. Rev. 63:118-119. Feb.16,1953. 23 Au75
Sheep breeding and care.

55516 GIGINEISHVILI, N. S. In regard to developing methods for selection of grey Karakul [Shirazi] sheep in order to increase the vitality of their offspring. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:9-43. Ref. 1952. 410.9 Ak13

55517 GIGINEISHVILI, N. S. Standard for Karakul [pelts] requires thorough inspection. (In Russian.) Karakulevodstvo i Zverovodstvo 6:34-37. Jan./Feb.1953. 49 K14
Sheep selection.

55518 GIULIANI, R. How to increase the fertility of sheep. (In Italian.) Riv. di Zootec 26:33-37. (Cont.) Feb.1953. 49 R52

55519 HEINICHEN, W., and BADENHORST, D. F. Upgrading of indigenous non-woolled sheep and other types with Karakul rams for pelt production. Farming So. Africa 29(322):7-14. Jan.1953. 24 So842

55520 JAKOBIEC, J. Inheritance of fecundity in sheep. (In Polish.) Rocz. Nauk Roln. 62:177-198. Ref. 1952. 20.5 R59
English summary.

55521 JOHNSON, W. S. Are three-figure prices too much for Oxford rams? Farming News & No. Brit. Agr. 105(spec.no):89. Jan.1,1953. 10 N82

55522 LAULAN, R. Un hybride rarissime: le chabin. Nature [Paris] 3216:103. Apr.1953. 473 N21
Goat hybrid.

55523 LEVEQUE, M. Les éléments de progrès dans l'élevage ovin et le Mérinos Précoce. Mouton 8:25-26. Mar.1953. 45.8 M86

55524 MCCLYMONT, A. M. State departments have no conscience; a review of the Blackface year. Farming News & No. Brit. Agr. 105(spec.no):76-77. Jan.1,1953. 10 N82

55525 MARKUS, J. The effect of syntestrin on ewes during mating season. (In Hungarian.) Magyar Allat. Lapja 8:46-49. Ref. Feb.1953. 41.8 V644
German summary.

55526 MARTIN, W. W. Rambouillets vs. newcomers; Columbias and Targhees hold edge in south Utah range sheep research. West. Farm Life 55(8):7,25. Apr.15, 1953. 6 R153

55527 MORLEY, F. H. W. Selection for economic characters in Australian Merino sheep. I. Estimates of phenotypic and genetic parameters. N. S. Wales. Dept. Agr. Sci. B. 73,45 p. Ref. 1952. 23 N47S

55528 NEW ZEALAND ROMNEY MARSH SHEEP BREEDERS' ASSOCIATION. Flock book, v. 48. Hastings, 1952. 415 p. 45.9 N483

55529 ROBERTSON, P. D. Wedders now an economic proposition. Farming News & No. Brit. Agr. 105(spec.no) 82. Jan.1,1953. 10 N82
Review of the North Country Cheviot year.

55530 SARAZA ORTIZ, R. Breeds of Spanish goats. Brit. Goat Soc. Ybk. 1953:28. 40.19 B77

55531 SOCIETY OF BORDER LEICESTER SHEEP BREEDERS. Annual report for the year ending 30th April, 1952. Glasgow,1952. 3 p. 45.9 So12

55532 STANDHARTINGER. Zuchteberauswahl. Bauer 6(7):2-3. Feb.14,1953. 19 B32

55533 THIBAULT, C. Possibilités d'amélioration de la reproduction ovine. France. Min. de l'Agr. B. Tech. d'Inform. 76:145-150. Jan./Feb.1953. 14 F844B
Includes discussion.

55534 THOMPSON, D. S. On the sheep's back—a discussion on rot without nonsense. Tasmanian J. Agr. 24:50-55. Feb.1,1953. 23 T182T
Breeds and breeding.

55535 VINTLER, M. Welche wolle sollen wir züchten? Kärntner Bauer 103:75-76. Mar.1,1953. 19 K14

55536 YOUNG, D. H. One-half of your herd. Dairy Goat J. 31(4):8. Apr.1953. 40.18 M592
Bucks.

Feeds and Feeding

55537 BUJATTI, P. G. Transhumance and permanent pastures for sheep in the Appenine Mountains. (In Italian.) Monti e Boschi 4:24-27. Jan.1953. 16 M76
English summary.

55538 CORRIE, F. E. Iodine for goats. Brit. Goat Soc. Ybk. 1953:7-8. 40.19 B77

55539 MALAKHOV, I. P. Organization of a feed supply base for sheep in the arid steppe. (In Russian.) Sovet. Zootekh. 8:56-62. Jan.1953. 49 So822

55540 MOUREU. Le topinambour dans l'alimentation du mouton. Mouton 8:31. Mar.1953. 45.8 M85

55541 OLDACRE, W. B. A garden for goats. Brit. Goat Soc. Ybk. 1953:13,15-16. 40.19 B77

55542 POPE, L. S., and others. Urea and cottonseed meal as supplements for lamb-fattening rations. Okla. Agr. Expt. Sta. Misc. P. MP-27:53-56. June 1952. 100 Ok4
F. Baker, W. D. Gallup, and C. K. Whitehair, joint authors.

55543 POPE, L. S., GALLUP, W. D., and WHITEHAIR, C. K. The value of urea in rations for ewes during gestation and lactation. Okla. Agr. Expt. Sta. Misc. P. MP-27:49-53. June 1952. 100 Ok4

55544 SAELAND, J. Winter and spring feeding of sheep. (In Norwegian.) Samvirke [Oslo] 48:161-163. Mar.15,1953. 280.28 Sa4

55545 VERHOEVEN, P. Do sheep belong on pure pasture farms? (In Dutch.) Doelmatige Veehouderij 2:19-24. Feb.1953. 49 D67
Management of wool-producing types.

Veterinary Medicine

55546 BROWN, C. J., NOLAND, P. R., and DOUGLASS, C. S. Hormone injections in breeding ewes. Ark. Farm Res. 2:7. Spring 1953. 100 Ar42F

55547 CECCARELLI, A., and FONTANELLI, E. Hematologic variations in sheep affected with natural and experimental contagious agalactia. (In Italian.) Zooprofilassi 7:545-552,555-556. Ref. Dec.1952. 41.8 Z72
English summary.

55548 CHRISTODOULOU, T., and TARLATZIS, C. Pneumonie chronique adénomateuse du mouton. (In Greek.) Hellen. Kteniatrikes Hetaireias. Delt. Ser. B. 8:199-208. Ref. Oct./Dec.1952. 41.9 So18
French summary.

55549 COSTA, M. P. R. DA. Verminosis of sheep. (In Portuguese.) Gaz. do Agr. 5(44):3-5. Jan.1953. 24 G25

55550 DICK, A. T. The effect of inorganic sulphate on the excretion of molybdenum in the sheep. Austral. Vet. J. 29:18-26. Jan.1953. 41.8 Au72

55551 DIOMIDOVA, N. A. Peculiarities of structure and development of skin in grey Karakul lambs. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:236-251. Ref. 1952. 410.9 Ak13

55552 DYVERDON, C. La castration des moutons. Cour. Hort. 15:160-161. Mar.1953. 80 C834

55553 EMMENS, C. W. Sheep biology laboratory, prospect, New South Wales. Nature [London] 171:597-598. Apr.4,1953. 472 N21
University of Sydney, Dept.of Veterinary Physiology, Prospect Laboratory.

55554 FLUX, D. S. Artificially induced lactation in goats. Brit. Goat Soc. Ybk. 1953:44-45. 40.19 B77

55555 FOGGIE, A. The treatment of tick pyaemia of lambs with penicillin. Vet. Rec. 65:169-171. Mar.14, 1953. 41.8 V641

55556 FRASER, A. Baa baa ma sheep. Young Farmer 21:101-102. Mar./Apr.1953. 10 Y8
Behavior of ewes about to lamb.

55557 HANKEY, M. Afterbirth. Brit. Goat Soc. Ybk. 1953:44. 40.19 B77

55558 KINGSBURY, P. A. Nematodirus infestation, a probable cause of losses amongst lambs. Vet. Rec. 65: 167-169. Mar.14,1953. 41.8 V641

55559 KORZHUEV, P. A., and RADZINSKAIA, L. I. Proteolytic enzymes of the digestive tract in Karakul sheep. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:190-194. Ref. 1952. 410.9 Ak13

55560 KORZHUEV, P. A., and NIKOL'SKAIA, I. S. Quantity of hemoglobin and erythrocytes in the blood of grey and black Karakul sheep. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:91-101. Ref. 1952. 410.9 Ak13

55561 KOSHEVOI, M. A. Pre-parturition examination of Karakul ewes as tocondition of pregnancy. (In Russian.) Karakulevodstvo i Zverovodstvo 6:7-8. Jan./Feb.1953. 49 K14

55562 KOSHTOIANTS, KH. S., and others. Data on physiological characteristics of grey Karakul sheep. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:170-189. Ref. 1952. 410.9 Ak13
R. L. Mitropolitanskaia, D. E. Ryvkina, and T. M. Turpaev, joint authors.

55563 KULWICH, R., PEARSON, P. B., and LANKENAU, A. H. Metabolism of sodium sulfate labeled with radioactive sulfur in the sheep. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):420. Mar.1953. 442.9 F31P

55564 LESBOUYRIES, G. Actinophytose à Streptothrix actinomyces chez le mouton. Rec. de Méd. Vet. 128:465-476. Aug.1952. 41.8 R24

55565 LUCKER, J. T. Variability in effect of stomach worm, Haemonchus contortus, infections in lambs. Amer. Vet. Med. Assoc. Proc. 89:171-178. Ref. 1952,pub.1953. 41.9 Un3

55566 MCGOWAN, B. An epidemic resembling soremuzzle or bluetongue in California sheep. Cornell Vet. 43:213-216. Apr.1953. 41.8 C81

55567 MCKERCHER, D. G., and others. A preliminary report on the isolation and identification of the bluetongue virus from sheep in California. Amer. Vet. Med. Assoc. J. 122:300-301. Apr.1953. 41.8 Am3
B. McGowan, J. A. Howarth, and J. K. Saito, joint authors.

55568 MADDY, K. T. Caseous lymphadenitis of sheep. Amer. Vet. Med. Assoc. J. 122:257-259. Apr. 1953. 41.8 Am3

55569 MARSH, H. Foot-rot in sheep. Natl. Wool Grower 43(4):18-19. Apr.1953. 45.8 N21N

55570 MARSH, H. Sore-mouth. Mont. Wool Grower 27(4):9-10. Apr.1953. 45.8 M762

55571 MITROPOLITANSKAIA, R. L. Peculiarities of motoricity and sensitivity to vagotropic and sympathicotropic substances of various sections of the intestine in grey Karakul lambs. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:163-169. Ref. 1952. 410.9 Ak13

55572 MITSKEVICH, M. S. Investigation of endocrine system in embryos and lambs of grey Karakul sheep. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:207-235. Ref. 1952. 410.9 Ak13

55573 MITSKEVICH, M. S. Taking out embryos in Karakul sheep by Caesarian section. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:255-257. 1952. 410.9 Ak13

55574 NARDI, E., and PINTO, F. DE. Ovine abortion caused by Salmonella abortus ovis and by Brucella melitensis in Apuglia. (In Italian.) Zooprofilassi 7:559-565. Ref. Dec.1952. 41.8 Z72

55575 OLAH, P., and ELEK, P. Immunisation against the contagious pustular dermatitis (sore mouth) of sheep. Acta Vet. 3:35-43. Ref. 1953. 41.8 Ac83
41.8 Ac83

55576 POPE, A. L. Tips on saving more lambs. Wis. Coop. Wool Growers News 18(8):4-6. Mar.1953. 280.28 W882
Disease prevention.

55577 RAO, M. V. K. The economic importance of deworming sheep. Indian Vet. J. 29:310-321. Ref. Jan. 1953. 41.8 In2

55578 RAVKINA, L. I. Comparative histological investigation of the stomach of grey and black Karakul lambs. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:102-126. Ref. 1952. 410.9 Ak13

55579 RENOUX, G. The detection of brucella infection in goats by a test using stained antigens added to the milk. n.p.,1952. 10 p. (World Health Organization. Expert Committee on Brucellosis. WHO/Bruc/58) 448.2 R292

55580 RILEY, W. F. Cesarean section in ewes. Amer. Vet. Med. Assoc. J. 122:272-273. Apr.1953. 41.8 Am3

55581 ROBERTSON, J. G. An outbreak of ovine coccidiosis. Vet. Rec. 65:183-186. Ref. Mar.21,1953. 41.8 V641

55582 RUNOV, E. V. Change of microflora and microfauna in the stomach of grey Karakul lambs during chronic tympanitis. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:195-206. Ref. 1952. 410.9 Ak13

55583 SCHAAF, A. VAN D., FEDDEMA, J. J., and KOOI, K. VAN D. Treatment of acetonemia of sheep with glycerol and propoleenglycol. (In Dutch.) Tijdschr. v. Diergeneesk. 78:261-265. Mar.15,1953. 41.8 T431
English summary.

55584 SEGHETTI, L. Enterotoxemia vaccination. Mont. Wool Grower 27(4):12. Apr.1953. 45.8 M762

55585 SHARMA, R. M., and RAM, T. Vaccination of goats against rinderpest with glycerinised goat tissue virus vaccine. Indian Vet. J. 29:321-327. Ref. Jan.1953. 41.8 In2

55586 SHIELDS, J. Entero-toxaemia. Brit. Goat Soc. Ybk. 1953:26-27. 40.19 B77

55587 SIMMONS, G. C., and HALL, W. T. K. Epididymitis of rams; preliminary studies on the occurrence and pathogenicity of a brucella-like organism. Austral. Vet. J. 29:33-40. Feb.1953. 41.8 Au72

55588 SINCLAIR, D. P. An unsuccessful attempt to produce resistance to phenothiazine in Trichostrongylus colubriformis of sheep. Austral. Vet. J. 29:13-17. Jan. 1953. 41.8 Au72

55589 SMITTEN, N. A. Nerve fibers of the small intestine in grey and black Karakul lambs. (In Russian.) Akad. Nauk SSSR. Inst. Morf. Zhivotn. im. A. N. Severtsova. Trudy 7:127-162. Ref. 1952. 410.9 Ak13

55590 SOMMERVILLE, R. I. Development of Ostertagia circumcincta in the abomasal mucosa of the sheep. Nature [London] 171:482-483. Mar.14,1953. 472 N21

55591 STUART, J. E., and others. An outbreak of scrapie in California sheep. Calif. Dept. Agr. B. 42:21-24. Jan./Mar.1953. 2 C12M
R. K. Allen, G. Shultz, P. D. DeLay, and A. C. Rosenberger, joint authors.

55592 TIMASHEV, I. Z. Early lambing—a sure way of accelerated increase of a sheep flock. (In Russian.) Sovet. Zootekh. 8:63-66. Jan.1953. 49 So822

55593 TUFFIN, F. L. Disbudding with collodion. Brit. Goat Soc. Ybk. 1953:22-23. 40.19 B77

55594 U. S. BUR. OF ANIMAL INDUSTRY. Scrapie in sheep. Washington,1953. 2 p. 1.972 A2Sco3

55595 WINTON, D. Every worm has its turn. Farmers Wk. [London] 38(15):60-61,63. Apr.10,1953. 10 F2226
Control of parasites in sheep.

Miscellaneous

55596 ASSOCIATION FRANÇAISE DE ZOOTECHNIE. Le mouton aux journées d'études. Rev. de l'Elevage 8: 231-233,235. Mar.1953. 49 B462

55597 AUSTIN, E. D. When does a doe reach her peak. Dairy Goat J. 31(4):8. Apr.1953. 40.18 M592

55598 BAYLISS, W. G. Milk production. Brit. Goat Soc. Ybk. 1953:48-49,51. 40.19 B77

55599 BOGGI, A. Let's raise sheep on the coffee plantation. (In Portuguese.) Chacaras e Quintais 87:71-72. Jan.15,1953. 9.2 C34

55600 BRITISH GOAT SOCIETY. Yearbook for 1953. Diss,Norfolk,1953. 96 p. 40.19 B77

55601 CARD, W. T. Let's look at the record. Sheep Breeder 73(4):10-12. Apr.1953. 45.8 Am31

55602 CHARLET, P. Le mouton de montagne. (Sum.) France. Min. de l'Agr. B. Tech. d'Inform. 76:131-132. Jan./Feb.1953. 14 F844B
Care.
Discussion, p. 143-144.

55603 DUPRÉ, C. L'élevage du mouton en plein air et le croisement industriel en Limousin. Paris,Foulon, 1952. 52 p. Ref. 45 D922
Thèse - Ecole Nationale Vétérinaire, Alfort.

55604 JORDAO, L. P., and CALDAS, C. F. Aspects of goat raising in the State of São Paulo. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):20. 41.9 So13

55605 MALBRANT, R. Conditions & produits de l'élevage du mouton au Tchad. Mouton 8:27-29. Mar.1953. 45.8 M86

55606 MALBRANT, R. L'élevage ovin au Tchad, ses perspectives d'avenir. Mouton 8:13-14. Feb.1953. 45.8 M86

55607 MORLEY, F. H. W. "Raddle" preparations for mating rams. Agr. Gaz. N. S. Wales 64:13. Jan.1953. 23 N472

55608 MOROCCO. SERV. DE L'ELEVAGE. Les problèmes de l'élevage ovin au Maroc. France. Min. de l'Agr. B. Tech. d'inform. 76:85-89. Jan./Feb.1953. 14 F844B

55609 MORRIS, W. Preventing loss in lamb production. Hormel Farmer 17(7):8. Mar.15,1953. 49 H782

55610 MORRIS, W. E. Keep the profit in sheep. Co-op Shipper 33(4):8-9. Apr.1953. 280.38 C78
Care.

55611 PALMER, T. W. The milking trials for goats, 1951. Brit. Dairy Farmers' Assoc. J. 56:173-181. 1952. 44.9 B77

55612 PAYNE, W. J. A. Goat husbandry; some observations based on the results of the first eighteen months work with the goat herd at Sigatoka. Fiji. Dept. Agr. Agr. J. 23(2):25-27. June 1952. 25 F47Ag

55613 PENNINGTON, M. E. K. Caught out. Brit. Goat Soc. Ybk. 1953:25. 40.19 B77
Milk sanitation.

55614 POTAPOV, V. N. Organization and procedure of appraising lambs on the Sfutkent sovkhoz. (In Russian.) Karakulevodstvo i Zverovodstvo 6:8-11. Jan./Feb. 1953. 49 K14

55615 SCHOTT, O. Bäuerliche schafhaltung und schafhütegemeinschaften. Deut. Bauern Kal. 1953:165-166. 18 D4826
Russian Zone of Germany.

55616 SEIGLIE, C. M. Cabras en Cuba. Rev. Ganad. [Habana] 13(3):20. Mar.1953. 49 R321

55617 SOENS, R. W. AMGRA testing program. Better Goatkeeping, 8:1744. Mar./Apr.1953. 40.18 B46

55618 STAFFE, A. La cria de ovejas en Colombia. Agr. Trop. 9(3):19-32. Mar.1953. 26 Ag8

55619 STANSBY, H. Proper care pays off; goats supplied homogenized milk to Biblical babies. B. C. Farmer & Gard. 8(3):8-9. Mar.1953. 7 F86

55620 STARKE, J. S. Fat-lamb production as a means of increasing mutton supplies. Farming So. Africa 29(322):23-27. Jan.1953. 24 So842

55621 SULZER, J. P. L'élevage du mouton en plein air. Potasse 27:49-52. Mar.1953. 57.8 P84

55622 TYRRELL, W. P. Looking forward with sheep. South. Livestock J. 12(10):21. Apr.1953. 43.8 F66A

55623 ULRICH, A. Untersuchungen über die laktation von nichtmilchschafen mit vergleichenden betrachtungen zur laktation von kühen. Milchwissenschaft 8:130-132. (Concl.) Apr.1953. 44.8 M5933
English summary.
Composition of the milk.

55624 U. S. FARMERS HOME ADMIN. Farm flock sheep program for west of the mountains in Oregon and Washington and irrigated farms east of the mountains. Washington?1952. 3 p. 1.949 F2252

55625 VARDEHAUG, O. Sheep on pasture. VI. Shepherding of sheep in the mountains. (In Norwegian.) Landbrukstidende 59:124-127. Feb.18,1953. 11 L236

55626 WET, H. DE. Sheep and wool. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 30:32-34. Feb. 1953. 24 T684
Branding and shearing of sheep and classification of wool.

SWINE

Breeds and Breeding

55627 COCKERHAM, C. C. Genetic covariation among characteristics of swine. (Abs.) Iowa State Col. J. Sci. 27:149. Jan.1953. 470 Io9

55628 DIETZ, A. Aufzuchtleistungen in der rhein. schweinezucht. Landwirt. Z. der Nord-Rheinprov. 120: 228-229. Feb.21,1953. 18 L2344

55629 DIETZ, A. Beobachtungen in der dänischen schweinezucht. Landwirt. Z. der Nord-Rheinprov. 120: 260-262. Feb.28,1953. 18 L2344

55630 FINLANDS SVINAVELSFORENING. Sikakantakirja [Herdbook]. XVII. Lahti,1952. 698 p. 46.9 F49
Preface in Swedish.

55631 FREDEEN, H. T. Genetic aspects of Canadian bacon production. (Abs.) Iowa State Col. J. Sci. 27:173-174. Jan.1953. 470 Io9

55632 KOTTMAN, R. M. Intensity and effectiveness of selection in swine. (Abs.) Iowa State Col. J. Sci. 27: 204-206. Jan.1953. 470 Io9

55633 KOZLOVSKII, V. Interspecific crossing of swine as a method of improving the quality of pork. (In Russian.) Mîasnaîa Indus. SSSR. 24:63-66. Jan./Feb. 1953. 50.8 M58

55634 KROES, IJ. Breeding pigs. (In Dutch.) Doelmatige Veehouderij 2:13-16. Jan.1953. 49 D67

55635 LLOYD, E. W. Crosses or pures for bacon? Mod. Poultry Keeping 68:320. Mar.25,1953. 47.8 Eg3

55636 MELO, J. M. DE. National swine types. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B, Dec. 1952(spec.no.):21. 41.9 So13

55637 MUSSON, A. L. Length of gestation among inbred lines of swine. (Abs.) Iowa State Col. J. Sci. 27:224. Jan.1953. 470 Io9

55638 ROYAL DUBLIN SOCIETY. Herd book of Irish Large White pigs, volume XLIX. Dublin,1953. 271 p. 46.9 R81

55639 SIMONE, V. DE. Panorama and statistics of swine breeding in Italy—many problems hidden behind the rows of hams. (In Italian.) Agricoltura 2:13-18. Jan. 1953. 16 Ag8226
English summary.

55640 SQUIERS, C. D., DICKERSON, G. E., and MAYER, D. T. Influence of inbreeding, age and growth rate of sows on sexual maturity, rate of ovulation, fertilization and embryonic survival. Mo. Agr. Expt. Sta. B. 494,40 p. Ref. Apr.1953. 100 M693

55641 VOGELI, S. Züchtung und fütterung von schweinen in Dänemark. Schweiz. Milchztg. 79:173-175. Apr.3,1953. 44.8 Sch92

55642 WHATLEY, J. A., and others. Breeding tests with inbred lines of hogs. Okla. Agr. Expt. Sta. Misc. P. MP-27:60-63. June 1952. 100 Ok4
D. Chambers, D. F. Stephens, and J. B. Chitwood, joint authors.

Feeds and Feeding

55643 BLAU, G. APF-beigaben in der schweinemast. Tierzüchter 5:137-139. Mar.20,1953. 49 T445

55644 CORRIE, F. E. Feeding farm animals. 68. Feeding pigs. Fert. Feed. Stuffs & Farm Supplies J. 39: 259-261. Apr.1,1953. 57.8 F413

55645 DAMMERS, J. Fattening of swine with the aid of root crops. (In Dutch.) Doelmatige Veehouderij 1:133-135. Sept.1952. 49 D67

55646 DINUSSON, W. E., and others. Pelleting makes pork! North Dakota experiments show it's dollar-wise to pellet barley rations for growing-fattening pigs. N. Dak. Agr. Expt. Sta. Bimon. B. 15:162-166. Mar./Apr.1953. 100 N813B
M. R. Light, D. W. Bolin, and M. L. Buchanan, joint authors.

55647 DINUSSON, W. E. Swine management—proper lactation rations. Gleaner 7(3):3,10. Mar.1953. 6 G472

55648 DOANE, D. H., and HANSON, D. A new trend in feeding forage gives us today's hottest idea in hog raising. Successful Farming 51(4):44,104,106-107. Apr.1953. 6 Su12

55649 GRASHUIS, J. Hog feeding. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:80-87. Feb.1953. 12 N383M

55650 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Fodder beet feeding value and practice. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 403,4 p. Mar. 1953. 10 G79La
Swine chiefly.

55651 HANSON, L. E., and others. Distillers solubles in market pig rations. Nebr. Agr. Expt. Sta. B. 415, 19 p. Ref. Nov.1952. 100 N27
M. L. Baker, G. N. Baker, and M. G. A. Rumery, joint authors.

55652 HENDRIKSE, J. J. Feeding of breeding sows in the winter. (In Dutch.) Doelmatige Veehouderij 1:143-144. Sept.1952. 49 D67

55653 HENDRIKSE, J. J. Feeding of nursing sows in the winter. (In Dutch.) Doelmatige Veehouderij 1:151-153 Oct.1952. 49 D67

55654 HENDRIKSE, J. J. Raising baby pigs. (In Dutch.) Doelmatige Veehouderij 1:76-77,86-88. May-June 1952. 49 D67
Feeding.

55655 HILLIER, J. C., and WHITEHAIR, C. K. The effects of adding soybean meal, B-vitamins, and alfalfa meal to a corn, mineral, and antibiotic diet for young pigs. Okla. Agr. Expt. Sta. Misc. P. MP-27:38-42. June 1952. 100 Ok4

55656 JEAN-BLAIN, M. Quelques aspects de la production porcine. Rev. de Méd. Vét. [Toulouse] 103: 564-588. Oct.1952. 41.8 R32
Chiefly feeding.

55657 JESPERSEN, J., and HANSEN, V. E. H. Forsøg med proteinrige kraftfodermidler som erstatning for skummetmaelk i slagterisvinenes foder [Experiments with concentrates rich in proteins as substitute for skim milk in feed for hogs to be slaughtered]. Denmark. Stat. Husdyrbrugsudv. Forsøgslab. Beret. 264,366 p. 104 D41
Miscalculation by R. K. Kristensen, p. 110-118.

55658 JONG, R. R. DE. What method of feeding swine should be given preference? (In Dutch.) Doelmatige Veehouderij 1:182-183. Dec.1952. 49 D67

55659 MERTZ, E. T., JACKSON, H. D., and BEESON, W. M. Quantitative valine requirement of the weanling pig. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12 (1,pt.1):246. Mar.1953. 442.9 F31P

55660 NAUMOV, P. A. Utilization of minor elements in raising baby pigs. (In Russian.) Sovet. Zootekh. 8:71-74. Jan.1953. 49 So822

55661 POLETTI, L. Antibiotics, animal protein factor, vitamin B_{12} and fish solubles in swine feeding. (In Italian.) Riv. di Zootec. 26:51-54. Feb.1953. 49 R52

55662 RANDOUIN, L. Engraissement et rentabilité du porc. Porc 24(2):43. Feb.1953. 46.8 P22

55663 REBER, E. F., WHITEHAIR, C. K., and MACVICAR, R. W. Effect of level of protein fed baby pigs. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1): 427. Mar.1953. 442.9 F31P

55664 REID, J. W. The feeding and management of pigs. Worcestershire Agr. Chron. 21:79,81,83,85,87. Feb./May 1953. 10 W892

55665 REYNOLDS, W. M., and others. Effect of ration, terramycin content, method of feeding on growth of baby pigs. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):427. Mar.1953. 442.9 F31P
G. P. Pendergrass, F. P. Appel, H. G. Luther, and J. McGinnis, joint authors.

55666 RICHARDSON, D. Vitamin B_{12} requirement of the weanling pig. (Abs.) Iowa State Col. J. Sci. 27:247-248. Jan.1953. 470 Io9

55667 ROTHES, G., and others. Fütterungsversuche an schweinen mit hefe unter cystinzulage. Brauwissenschaft 3:41-47. Ref. Mar.1953. 390.8 B733
H. Havermann, R. Heymer, H. Fink, and I. Schlie, joint authors.
English summary.

55668 SPERLING, L. Weitere schweinemastversuche mit verschiedenen hefeerzeugnissen. Futter u. Fütterung 27:205-207. Feb.1953. 389.78 F98

55669 STAHL, W. Fütterung der zuchtsauen. Deut. Bauern Kal. 1953:101-103. 18 D4826

55670 STOTHART, J. E. Alimentation des porcs à bacon. Digeste de l'Eleveur 7(6):17-18. Feb.1953. 49 D56

55671 THOMPSON, C. M., and others. Observations on artificially raising healthy swine. Okla. Agr. Expt. Sta. Misc. P. MP-27:74-77. June 1952. 100 Ok4
C. K. Whitehair, R. W. MacVicar, and J. C. Hillier, joint authors.
Feeding baby pigs which were taken by Caesarian operation.

55672 VOGEL, H. Presskartoffeln für die schweinemast. Deut. Landwirt.-Gesell. Mitt. 68:311-312. Mar. 26,1953. 18 N39

55673 WHITEHAIR, C. K., and HILLIER, J. C. Supplements for low-protein swine rations. Okla. Agr. Expt. Sta. Misc. P. MP-27:79-82. June 1952. 100 Ok4

55674 WHITEHAIR, C. K., and MACVICAR, R. The value of amino acids supplemented to a low-protein, all-plant ration for swine. Okla. Agr. Expt. Sta. Misc. P. MP-27:34-36. June 1952. 100 Ok4

55675 WHITEHAIR, C. K., and HILLIER, J. C. The value of antibiotics and a sulfathalidine - arsenic preparation for unthrifty pigs. Okla. Agr. Expt. Sta. Misc. P. MP-27:77-79. June 1952. 100 Ok4

55676 YOMCHINDA, A. How to make profits from hog feeding. (In Siamese.) Kasikorn 26:108-114. Jan. 1953. 22.5 K15
English summary.

Veterinary Medicine

55677 ÁDÁM, T., and KAZÁR, J. The effect of the physical and chemical constituents of the micro-climate in farrowing houses on the organism of sucking pigs. Acta Agron. [Budapest] 2:309-327. Ref. 1952. 19 Ac8

55678 AITKEN, W. A. Report of a hog cholera vaccination survey. Amer. Vet. Med. Assoc. Proc. 89: 67-69. 1952,pub.1953. 41.9 Un3

55679 APICE, M. D', and PENHA, A. M. Control of swine pest in the State of São Paulo (Brazil.) (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952 (spec.no.):67-68. 41.9 So13

55680 BAILEY, J. W. About ruptured pigs. Berkshire News 18(6):17. Apr.1953. 46.8 B454

55681 BARONE, R. Topographie des viscéres, chez le porc et la truie. Rev. de Méd. Vét. [Toulouse] 103: 688-697. Oct.1952. 41.8 R32

55682 BENDIX, W. L. The cattleman's stake in VE [vesicular exanthema]. Breeder-Stockman 14(11):96,122. Apr.1953. 49 V81
Swine.

55683 BERTRAND, M. Quelques maladies nouvelles ou peu connues du porc. Rev. de Méd. Vét. [Toulouse] 103:698-713. Oct.1952. 41.8 R32

55684 BETTS, A. O. Pneumonic diseases of the pig caused by viruses, a review of the literature. Brit. Vet. J. 109:99-106. Mar.1953. 41.8 V643

55685 BIESTER, H. E., and SCHWARTE, L. H. The hog cholera problem and vaccination. Amer. Vet. Med. Assoc. Proc. 89:56-67. 1952,pub.1953. 41.9 Un3

55686 BRUDNJAK, Z., and KRALJ, M. The value of agglutination in diagnosing swine erysipelas. II. (In Serbo-Croatian.) Vet. Arh. 22:276-281. 1952. 41.8 V6416
English summary.

55687 BUHNER. Die verwendung des penicillins, insbesondere des penicillin-calciumsalzes Jenapharm, bei der behandlung des schweinerotlaufes. Monatsh. f. Vetmed. 8:69-72. Feb.15,1953. 41.8 M742

55688 BURGER, J. F. Sex physiology of pigs. Onderstepoort J. Vet. Res. Sup. 2,208 p. Sept.1952. 41.8 On1

55689 DICK, J. R. Hog cholera viruses. Fort Dodge Bio-Chem. Rev. 23(2):3-6. 1953. 41.8 F772

55690 DINTER, Z. Uber schweineinfluenza, ferkelgrippe und infektiöse pneumonie der schweine. Berlin. u. Münch. Tierärztl. Wchnschr. 66:67-70. Ref. Mar.1,1953. 41.8 B45

55691 DRAGER, K., and FIEGE, H. Uber eine verbesserung des rotlauf-adsorbat-impfstoffes (RAI) durch reinigung. Deut. Tierärztl. Wchnschr. 60:125-126. Mar. 15,1953. 41.8 D482

55692 DUCKWORTH, R. E. Vesicular exanthema of swine. Calif. Dept. Agr. B. 42:11-19. Jan./Mar.1953. 2 C12M

55693 DUNNE, H. W., SMITH, E. M., and RUNNELLS, R. A. The relation of infarction to the formation of button ulcers in hog cholera-infected pigs. Amer. Vet. Med. Assoc. Proc. 89:155-160. 1952,pub.1953. 41.9 Un3

55694 ENGLERT, H. K. Beitrag zum pathologisch-anatomischen bilde der virus-schweinepest. Berlin. u. Münch. Tierärztl. Wchnschr. 66:91-92. Ref. Mar.15, 1953. 41.8 B45

55695 EUZEBY, J. Parasites et maladies parasitaires du porc. Rev. de Méd. Vét. [Toulouse] 103:714-737. Oct.1952. 41.8 R32

55696 FRICKERS, J. Strongyloidiasis of swine. (In Dutch.) Tijdschr. v. Diergeneesk. 78:279-303. Ref. Apr.1,1953. 41.8 T431
English summary.

55697 GELENCZEI, E., and ELEK, P. Testing of the immunizing power of adsorbed swine erysipelas vaccine. (In Hungarian.) Magyar Allat. Lapja 8:35-38. Ref. Feb.1953. 41.8 V644
English summary.

55698 GORET, P. Quelques données récentes sur la peste porcine. Rev. de Méd. Vét. [Toulouse] 103:665-688. Oct.1952. 41.8 R32

55699 HALDEMAN, J. C., STEELE, J. H., and VAN DERWERKER, R. J. Trichinosis control and vesicular exanthema. Pub. Health Rpt. 68:421-424. Ref. Apr.1953. 151.65 P96
Includes role of garbage fed to swine.

55700 HALL, O. Canada eradicates cholera by boiling garbage. Breeder's Gaz. 118(5):18. May 1953. 49 B74

55701 HAVERMANN, H., and SCHARPENSEEL, H. W. Untersuchungen über die phosphoraufnahme und -ablagerung junger schweine durch etikettierung mit ^{32}P. Arch. f. Tierernähr. 2:327-337. May/June 1952. 389.78 Ar22

55702 HENDRICKS, S. L. Anthrax in swine and man. Amer. Vet. Med. Assoc. Proc. 89:388-389. 1952, pub.1953. 41.9 Un3

55703 HENDRIKSE, D. Hog diseases and their control. (In Dutch.) Doelmatige Veehouderij 1:70-73. May 1952. 49 D67
Swine erysipelas.

55704 HERL, O. E. Summarization of reports received by Bureau [of Animal Industry] following vaccination of swine with hog cholera vaccine, modified live virus. Amer. Vet. Med. Assoc. Proc. 89:69-71. 1952, pub.1953. 41.9 Un3
Includes discussion.

55705 HUTTEN, H., and PREUSS, F. Blutentnahme beim schwein. Berlin. u. Münch. Tierärztl. Wchnschr. 66 89-90. Mar.15,1953. 41.8 B45

55706 JONES, F. I. VE—it threatens all hog producers; Indianapolis market closed for six days. Farmers Guide 109(7):6,10. Apr.1,1953. 6 In2

55707 JOUBERT, L. Données récentes sur le rouget du porc. Rev. de Méd. Vét. [Toulouse] 103:588-648. Ref. Oct.1952. 41.8 R32

55708 KOLBUS, G. Ein beitrag zur schnüffelkrankheit der schweine. Tierärztl. Umschau 8:81-82. Mar.1953. 41.8 T445

55709 LANGERAAD, A. VAN. Hog diseases in connection with feeding. (In Dutch.) Doelmatige Veehouderij 1:126-128. Aug.1952. 49 D67

55710 LANGHAM, R. F., and STOCKTON, J. J. A case of Aerobacter mastitis in a sow. M. S. C. Veterinarian 13:112. Winter 1953. 41.8 M582

55711 LECLERCQ, A. G. La paraplégie du porc. Maisons-Alfort, Au Manuscrit, 1952. 53 p. Ref. 41.2 L4993
Thèse - École Nationale Vétérinaire, Alfort.

55712 LUCAS, A., and others. Variation du virus de la peste porcine en France. Rec. de Méd. Vet. 129:18-23. Jan.1953. 41.8 R24
G. Bouley, A. Paraf, and C. Quinchon, joint authors.

55713 LUTJE, F. Nochmals bemerkungen zum rotlaufproblem. Berlin. u. Münch. Tierärztl. Wchnschr. 66:70-72. (Cont.) Mar.1,1953. 41.8 B45

55714 LUTJE, F. Nochmals bemerkungen zum rotlaufproblem. Berlin. u. Münch. Tierärztl. Wchnschr. 66:94-96. (Concl.) Mar.15,1953. 41.8 B45

55715 LUXWOLDA, W. Hog cholera. (In Dutch.) Misset's Vakbl. de Slagerij 38:170. Mar.6,1953. 50.8 V22

55716 MCNUTT, S. H., and CHOW, T. L. Brucellosis, swineherd's disease, and influenza. Amer. Vet. Med. Assoc. Proc. 89:390-391. Ref. 1952,pub.1953. 41.9 Un3

55717 MCNUTT, S. H. To feed raw garbage is a crime against society. Hoard's Dairyman 98:332. Apr. 10,1953. 44.8 H65
Spread of vesicular exanthema and other diseases.

55718 MULLER, L. F., and NEUNDORF, R. Penicillin des VEB Jenapharm zur behandlung des rotlaufes der schweine. Monatsh. f. Vetmed. 8:65-69. Ref. Feb.15,1953. 41.8 M742

55719 MYERS, D. W. Controlling rhinitis. Hog Breeder 28(4):4,14. Apr.1953. 46.8 H672

55720 OBEL, A. L. The nutrition injury of the liver in the hog. (In Serbo-Croatian.) Vet. Arh. 22:173-176. 1952. 41.8 V6416
English summary.

55721 PALYUSIK, M. Untersuchungen über die ätiologie der enzootischen ferkelpneumonie. Acta Vet. 3:63-73. Ref. 1953. 41.8 Ac83

55722 PETERSEN, W. W. Anemia and scours. (In Danish.) Dansk Landbr. 72:132. Mar.12,1953. 280.28 V91
Of baby pigs.

55723 PLACIDI, L., HAAG, J., and SANTUCCI, J. Broncho-pneumonie contagieuse à Pasteurella du porc. Rec. de Méd. Vet. 129:86-89. Feb.1953. 41.8 R24

55724 RAMANUJACHARI, G., and ALWAR, V. S. Indian pig (Sus scrofa domestica) as a host for Onchocerca sp. and Enterobius vermicularis. Indian Vet. J. 29: 329. Jan.1953. 41.8 In2

55725 RASMUSSEN, J. E., DAVISSON, L., and HAYS, C. H. Vesicular exanthema in swine as it appeared in Michigan. M. S. C. Veterinarian 13:77-78. Winter 1953. 41.8 M582

55726 RAY, J. D. Summary. Amer. Vet. Med. Assoc. Proc. 89:392-394. 1952,pub.1953. 41.9 Un3
Swine diseases and human health.
Includes discussion.

55727 ROQUE, D. Y. Control of parasitic diseases of swine. Agr. & Indus. Life 15(2):33. Feb.1953. 25 Ag8

55728 SCHWARTE, L. H. Transmission experiments with hog cholera virus. Amer. Vet. Med. Assoc. Proc. 89:151-155. 1952,pub.1953. 41.9 Un3
Includes discussion.

55729 SCHWARTZ, B. Parasitic diseases of swine transmissible to man. Amer. Vet. Med. Assoc. Proc. 89:385-386. 1952,pub.1953. 41.9 Un3

55730 SHALKOP, W. T., and others. Report on investigations of icterus in swine. No. Amer. Vet. 34:257-262. Apr.1953. 41.8 N812
C. L. Davis, H. R. Seibold, W. A. Anderson, and A. W. Monlux, joint authors.

55731 SHINER, E. We can't close our eyes to problem of VE disease. Farmer-Stockman 56(4):19,76-77. Apr.1953. 6 Ok45
Vesicular exanthema in swine.

55732 SHOPE, R. E. Swine and human health. Amer. Vet. Med. Assoc. Proc. 89:381-384. Ref. 1952,pub.1953. 41.9 Un3

55733 STEVENSON, J. W., and ELLIS, N. R. Effects on reproductive functions of diethylstilbestrol administered orally to gilts. J. Appl. Physiol. 5:549-554. Ref. Mar.1953. 447.8 J825

55734 SUEBSAENG, C. Hog cholera, enemy No. 1 of hogs. (In Siamese.) Kasikorn 26:74-77. Jan.1953. 22.5 K15
English summary.

55735 SULLIVAN, J. F., and SHAW, J. N. Incidence and effect of lungworm in Oregon swine. Oreg. Agr. Expt. Sta. Tech. B. 28,11 p. Mar.1953. 100 Or3S

55736 SZENT IVANYI, T., and SZABO, S. Untersuchungen uber die ursache der hämolytischen gelbsucht der neugeborenen ferkel. Acta Vet. 3:75-80. Ref. 1953. 41.8 Ac83

55737 TAYLOR, J. G., and OREM, M. T. Thermistor temperature bridge. Agr. Engin. 34:256,258. Apr.1953. 58.8 Ag83
For measurement of body temperature in newborn pigs.

55738 THOMAS. J. A., and others. La culture en grande quantité in vivo du virus de la peste porcine, sur embryome géant. Acad. des Sci. Compt. Rend. 236:1214-1216. Mar.16,1953. 505 P21
L. Cauchy, C. Boulignat, and J. Farges, joint authors.

55739 TRAUB, E. Vaccination contre le rouget du porc. Rev. de Méd. Vét. [Toulouse] 103:649-654. Ref. Oct.1952. 41.8 R32

55740 U. S. BUR. OF ANIMAL INDUSTRY. Restrictions and requirements under which a special license may be issued for hog-cholera vaccine, modified live virus. Washington,1953? 1 p. 1.972 A2R316

55741 WAWRZYNIAK, M. Cytochemical observations on the distribution of vitamin C in the hypophysis, thyroid and adrenals of the pig. (In Polish.) Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. DD 6:417-442. Ref. 1952. 512 L96Ad
English summary.

Miscellaneous

55742 CAVE, W. E. They fatten themselves. 2. Farmers Wk. [London] 38(15):63,65. Apr.10,1953. 10 F2226
Self-feeders and other labor-saving methods in pig care, as seen on American farms.

55743 DAVIDSON, H. R. Record for quick improvement; litter testing is a long-term policy and can only be effective when recording has done much of its work. Farmer & Stock-Breeder 67(3309):57,59. Mar.24,1953. 10 F228

55744 DYRENDAHL, S. Battery raising of small pigs. (In Norwegian.) Buskap og Avdrått 5:11-13,22. 1953. 49 B96

55745 EMPSON, J. Two baconers a day from 50 sows. Farmer & Stock-Breeder 67(3309):73,75. Mar.24,1953. 10 F228
Pig production on a Welsh farm.

55746 FERRANDO, R. Un des aspects de la vie communautaire du porc: le "microbisme" de porcherie. Rev. de Méd. Vét. [Toulouse] 103:654-665. Oct.1952. 41.8 R32

55747 FLETCHER, A. H. Hogs, garbage, and sanitation. Amer. Vet. Med. Assoc. Proc. 89:386-388. 1952, pub.1953. 41.9 Un3

55748 FORD, H. G. 4-H Club swine demonstrations. Ark. Agr. Col. Ext. C. 387,rev.,15 p. Apr.1952. 275.29 Ar4

55749 GOMES, J. Swine for lard or for meat or for both? (In Portuguese.) Chacaras e Quintais 87:85-86. Jan.15,1953. 9.2 C34

55750 HAMINGER, M. Schweineschlachten. Bauer 6(7):9-12. Feb.14,1953. 19 B32

55751 KIRKPATRICK, J. Bacon and pork types are the same. Farming News & No. Brit. Agr. 105(spec.no): 34. Jan.1,1953. 10 N82

55752 LASLEY, J. F. Pork production in Missouri. Mo. Agr. Expt. Sta. B. 587,55 p. Nov.1952. 100 M693

55753 LIEBENBERG. Schweinehaltung in schweinehütten. Deut. Bauern Kal. 1953:94-95. 18 D4826

55754 MELLEN, I. M. The natural history of the pig; its evolutionary status, antiquity, body, brain, and behavior, and its effect on people. New York,1952. 157 p. Ref. (Exposition-University Book) 46 M48

55755 MORLEY, A. Auchincruive's successful pig methods. Farming News & No. Brit. Agr. 105(spec.no): 93-94. Jan.1,1953. 10 N82
Management.

55756 NORDFELDT, S., and GREMO, A. Svinstamkontrollen [Pig testing], 1951. Sweden. Stat. Husdjursförsök. Meddel. 52,61 p. 1952. 104 Up62
English summary.

55757 POLIVODA, M. M. Moĭ opyt vyrashchivaniîa porosiăt [My method of raising baby pigs]. Moskva, "Znanie",1952. 21 p. (Vsesoîuznoe Obshchestvo po Rasprostranoniîu Politicheskikh i Nauchnykh Znaniĭ, Moscow. Proshiury-Stenogrammy Lektsii. Seriîa 3, 35) 46 P75

55758 RALSTON PURINA CO. LIVESTOCK RESEARCH DEPT. The Purina program for hogs. St. Louis,1952. 17 p. 46 R13

55759 SCHON, L. Schweineleistungsprüfungen und ihre ergebnisse. (Sum.) AID Rundschau 2:24. June 1952. 18 Ai2
Germany.

55760 STEEL, N. A. Care and management of brood sows. Agr. Gaz. N. S. Wales 64:59-60,87-89. Feb.1953. 23 N472

55761 SYRSTAD, O. New results from yield control of hogs. (In Norwegian.) Buskap og Avdrått 5:28. 1953. 49 B96

55762 THOMPSON, D. S. The production of good litters. Tasmanian J. Agr. 24:47-49. Feb.1,1953. 23 T182T

ENTOMOLOGY

GENERAL

55763 BERGER, L. A. Remarques sur la faune belge. Lambillionea 53:18-19. (Cont.) Feb.25,1953. 420 N15

55764 BERGOLD, G. H. On the nomenclature and classification of insect viruses. N. Y. Acad. Sci. Ann. 56: 495-516. Ref. Mar.31,1953. 500 N484

55765 BOETTIGER, E. G., and MCCANN, F. Single fiber action potentials in insect fibrillar muscle. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):17. Mar.1953. 442.9 F31P

55766 CARNE, P. B. The problem of type distribution in Australian entomology. Austral. J. Sci. 15:109-112. Feb.21,1953. 475 Au72

55767 CARPENTER, F. M. The geological history and evolution of insects. Amer. Sci. 41:256-270. Ref. Apr.1953. 470 Si2

55768 FILLOUX, J. C. L'instinct et les formes innées des conduites animales. 2. Nature [Paris] 3215: 75-77. Mar.1953. 473 N21
Includes insects.

55769 GOIDANICH, A. The secular rhythms of entomological progress. (In Italian.) Italia Agr. 90:99-101 Feb.1953. 16 It1
Historical.

55770 GRAY, J. H., LOCKE, M., and PUTNAM, C. D. Insect migration in the Pyrenees. Entomologist 86:68-75. Mar.1953. 421 En8

55771 HÜSING, J. O. Die metamorphose der insekten. Neue Brehm-Bücherei 62,55 p. Ref. 1952. 409 N392

55772 HYDE, G. E. British insects. London,Black, 1952. 96 p. (Black's Young Naturalist's Series 9) 422.4 H992

55773 HYDE, G. E. Insects in winter. Country Life [London] 113:647. Mar.6,1953. 80 C83

55774 JANMOULLE, E. Ne jetez qu'à bon escient! Lambillionea 52:67-68. Dec.25,1952. 420 N15

55775 KLUTH, H. Grossaufnahmen—zuverlässig. Orion 8:292-301. Apr.1953. 474 Or4
Includes insect photography.

55776 KNOWLTON, G. F., and TAYLOR, G. P. Utah insects—occurrence and notes. (Abs.) Utah Acad. Sci. Arts & Let. Proc. 29:49-50. 1951/52. 500 Ut1

55777 LE MARCHAND, S. Un peu de grammaire entomologique et étymologique. Rev. Franç. de Lépidoptérologie 13:247-248. May/Sept.1952. 421 P192

55778 LESTON, D. The major classification of insects. Entomologist 86:78-80. Ref. Mar.1953. 421 En8

55779 MICHENER, C. D. Problems in the development of social behavior and communication among insects. Kans. Acad. Sci. Trans. 56:1-15. Ref. Mar.1953. 500 K13T

55780 MILLER, D. Historical review of New Zealand entomology. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7: 80-86. 1951,pub.1952. 90.09 R81R

55781 OAKLAND, G. B. Determining sample size. Canad. Ent. 85:108-113. Mar.1953. 421 C16

55782 PETERS, W. Die konservierung von entomologischen und zoologischen präparaten in dem kunststoff P 1. Anz. f. Schädlingsk. 26:41-42. Mar.1953. 421 An9

55783 PIC, M. La vraie rareté chez les insectes. Diversités Ent. 10:1-3. Feb.10,1952. 421 D64

55784 POND, G. G. Preservation of insect specimens. Turtox News 31:69. Apr.1953. 442.8 T86

55785 RAZET, P. Recherches sur la localisation des enzymes uricolytiques chez les insectes. Acad. des Sci. Compt. Rend. 236:1304-1306. Mar.23,1953. 505 P21

55786 RILEY, N. D. The protection of British insects. No. West. Nat. (n.s.)1:23-24. Mar.1953. 410 N81

55787 SHEPPARD, R. W. The black tern as an insect-eater. Canad. Field-Nat. 66:129. Sept./Oct.1952. 410.9 Ot8

55788 SPÄRCK, R. Finnish-Danish entomological relations one hundred years ago; exchange of letters between Carl Gustaf Mannerheim and B. W. Westermann. (In Danish.) Ent. Meddel. 26:449-456. 1952. 421 En82

55789 STEINHAUS, E. A. Taxonomy of insect viruses. N. Y. Acad. Sci. Ann. 56:517-537. Ref. Mar.31,1953. 500 N484

55790 THOMPSON, H. Some aspects of sampling insect populations. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:86. 1951,pub.1952. 90.09 R81R

55791 TISCHLER, W. Biozönotische untersuchungen an ruderalstellen. Zool. Jahrb. Abt. f. System. Ökol. u. Geog. der Tiere 81:122-174. Ref. Mar.31,1952. 410 Z751S
Chiefly insects.

55792 VIETTE, P. Une technique de préparation des armures génitales. Rev. Franç. de Lépidoptérologie 13:249-252. May/Sept.1952. 421 P192

55793 WEISS, H. B. Thirteen entomological pamphlets, 1655-1846. N. Y. Ent. Soc. J. 60:221-224. Dec. 1952. 420 N48J

55794 WETZEL, C. M. Emergence dates of trout stream insects. Pa. Angler 22(4):33. Apr.1953. 410 P382

GENERAL - ECONOMIC

55795 AHLBERG, O. How to fight them. (In Swedish.) Lantmannen 37;331-333. Apr.4,1953. 11 L234
Farm pests.

55796 AHMED, D. The new synthetic organic insecticides. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-Iraqiyah 8:92-104. Jan./Mar.1953. 22.5 Ir1

55797 ALBERT, L. T. The resistance of arthropods to insecticides. Auburn Vet. 9:67-74. Ref. Winter 1953. 41.8 Au1

55798 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. Proceedings of the sixty-fourth annual meeting, Philadelphia, Pennsylvania, December 15-18, 1952. J. Econ. Ent. 46:190-215. Feb.1953. 421 J822

55799 ANDERSON, L. D., and REYNOLDS, H. T. Insect problems of vegetables produced for canning-freezing. West. Canner & Packer 45(4):50,52,54. Apr. 1953. 286.83 W522

55800 ATKINS, W. G., and GREER, E. N. The storage of flour in jute bags treated with insecticides. J. Sci. Food & Agr. 4:155-160. Mar.1953. 382 So12

55801 BALCH, R. E. Current practices and future trends in forest insect control. Forestry Chron. 29:6-13. Mar.1953. 99.8 F7623

55802 BAYER, G. Die hexa-präparate in landwirtschaft und gartenbau im widerstreit der meinungen. Bionomica 4:25-26. Feb.1953. 463.8 B52

55803 BECKER, W. B. BHC an effective weapon against pine borers. Res. Rev. [Mass. Sta] 2:10-13. Jan. 1953. 100 M38R
Control of insects attacking unseasoned lumber.

55804 BELL, C. E. Controlling livestock pests. Ga. Agr. Col. Ext. C. 351,rev.,8 p.-folder. Nov.1952. 275.29 G29C

55805 BERAN, F. Neue wege in der insektenbekämpfung mit chemischen stoffen. Osterr. Chem.-Ztg. 54:68-74. Mar.1953. 384 Os7

55806 BERGSMA, J. Application of pesticides. (In Dutch.) Amateur-Tuinder 36:40-41. Mar.1,1953. 80 V88
Chiefly insecticides.

55807 BERRY, P. A., and KREYSA, J. Control de plagas del algodón. Cent. Nac. de Agron. C. Agr. 55, 8 p. Feb.1952. 8 Sa54C
Insect pests.

55808 BISHOPP, F. C. Save the seventh bale from insects; a challenge to American cotton producers. Cotton Trade. J. Internatl. Ed. 20:29-31. 1952/53. 72.8 C3214I

55809 BOOTH, R. C. Grain sanitation poses many problems. (Excerpts.) Westernews 14(7):26,28,30. Mar.1953. 389.78 W522
Insect and rodent control program.

55810 BOTH, D. Cotton and insecticides. So. African Indus. Chem. 6:285-286. Dec.1952. 385 So8

55811 BRANNON, D. H. Household insects and their control. Wash. State Col. Ext. B. 472,14 p. Feb.1953. 275.29 W27P

55812 BREAKEY, E. P. Control of insects in small fruits plantings. Oreg. State Hort. Soc. Proc. 67:67-71. 1952. 81 Or32

55813 BRIMBLECOMBE, A. R. Correct timing in insect control. Queensland Fruit & Veg. News 3:101. Jan.22,1953. 280.38 Q3

55814 BRIMBLECOMBE, A. R. The role of entomology in the practice of forestry. Austral. Timber J. 18: 830,833-834,836,838. Nov.1952. 99.81 Au7

55815 BUHR, H. Uber das verhalten einheimischer eichenparasiten gegenüber einigen formen und ausländischen verwandten unserer eichen. Deut. Dendrol. Gesell. Mitt. 57:108-127. Ref. 1951/52. 99.9 D482
English summary.

55816 BUZACOTT, J. H. Insects associated with sugar cane in New Guinea. Queensland. Bur. Sugar Expt. Sta. Tech. Commun. 1953:23-30. Ref. 65.9 Q3T

55817 CALHOUN, S. L., and DUNNAM, E. W. Endrin for control of cotton pests. J. Econ. Ent. 46:170-172. Feb.1953. 421 J822

55818 CALHOUN, S. L., and DUNNAM, E. W. Heptachlor and other insecticides for control of cotton pests. J. Econ. Ent. 46:157-158. Feb.1953. 421 J822

55819 CARLETON, R. M. Chlordane for your lawn. Flower Grower 40(4):53-54. Apr.1953. 80 M72

55820 CHAPMAN, P. J. Insect resistance to pesticides: what it means to the grower now and later. N. Y. State Hort. Soc. Proc. 98:78-83. 1953. 81 N484

55821 CHERRY, H. B. Results of co-op's light trap experiments are impressive. Carolina Farmer 8(3):6,12. Mar.1953. 6 C223
Insect light trap experiments by the Brunswick Electric Membership Corporation.

55822 CIFERRI, R. Laboratory research and field tests of systemic organic phosphate insecticides. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 37:1-9. Jan./Feb.1953. 86 R22
English summary.

55823 CLARK, P. G. The use of DDT in this year's programme. Grower [London] 39:526-527. Mar.14,1953. 286.83 M34
For apples.

55824 COLLYER, E. Beneficial fruit insects: predators 2. Grower [London] 39:735. Apr.11,1953. 286.83 M34

55825 COLOMBIN, A. L'évolution des ravageurs des cultures fruitières en fonction du climat. Cong. Pomol. de France. Sess. 83:135-151. Ref. 1952,pub.1953. 93.09 C7643
Insect pests.

55826 CONFERENCE ON COTTON INSECT RESEARCH AND CONTROL. Conference report, 6, Memphis, Tennessee, December 7-9, 1952. Memphis?U. S. Bur. Ent. & Plant Quar.,1952. 55 p. 1.967 A2C76
Thirteen cotton-growing States cooperating.

55827 CORONADO PADILLA, R. Aldrin y dieldrin, dos nuevos insecticidas orgánicos de grandes perspectivas para la protección de nuestra agricultura. Fitófilo 6(7):25-48. (Cont.) July/Aug.1952. 421 F55

55828 CREUTZ, G. Ernährungsweise und wirtschaftliche bedeutung des trauerschnäppers. Anz. f. Schadlingsk. 26:17-23. Feb.1953. 421 An9
In control of insects chiefly.

55829 DREHER, K. Wird durch die chemische schädlingsbekämpfung das biologische gleichgewicht in der natur gestört? - ergebnis einer umfrage. Hess. Biene 88:267-269. Feb.1953. 424.8 B476

55830 DUCOURTIAL, P. Situation actuelle de la roténone. B. des Engrais 349:34-36. Feb.1953. 57.8 B87

55831 DUGAS, A. L. Supervised insect control is badly needed in the sugarcane area. Sugar B. 31:214,218. Apr.1,1953. 65.9 Am32

55832 EADS, R. B., and GRIFFITH, R. D. Arthropod-borne diseases in Texas in 1950. Tex. J. Sci. 5:120-124. Mar.30,1953. 470 T31

55833 EDWARDS, G. R. Insect pests of vegetables. Queensland Fruit & Veg. News 3:9-10. Jan.2,1953. 280.38 Q3

55834 ELKIN, I. I. New advance in epidemiology. (In Russian.) Zhur. Mikrobiol. Epidemiol. i Immunobiol. 1:6-11. Jan.1953. 448.3 Z4
DDT and benzene hexachloride in control of disease carrying insects.

55835 FLEMING, D. Hearing aid detects internal insects. Kans. Agr. Student 29(4):9,46-47. Mar.1953. 276.8 K13
Inside grain kernels.

55836 FONSECA, J. C. DA. Some aspects of entomology in the citrus orchards of the Spanish Levant. (In Portuguese.) Agros [Lisboa] 35:304-320. (Cont.) Dec. 1952. 15.5 Ag82

55837 FRANKLIN, W. W. Insect control in alfalfa seed fields. Kans. Agr. Expt. Sta. C. 289:21-24. Sept.5, 1952. 100 K13S

55838 GAST. Le développement des insecticides systemiques et les résultats de nouveaux produits d'essai à base d'uréthanes et d'esters phosphoriques. Cong. Pomol. de France. Sess. 83:177-182. 1952,pub.1953. 93.09 C7643

55839 GENTNER, L. G. Medford pear pest control program. Oreg. State Hort. Soc. Proc. 67:17-19. 1952. 81 Or32

55840 GRAY, K. W. Controlling vectors of virus and other insect pests in strawberry plantings. Oreg. State Hort. Soc. Proc. 67:77-78. 1952. 81 Or32

55841 GRIFFING, J. B. Control of external parasites of cattle by dusting with chlorinated camphene. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952 (spec.no.):69. 41.9 So13

55842 GRIGOR'EVA, T. G. Effect of benzene hexachloride inserted into the soil on the soil fauna. (In Russian.) Vsesoîûzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 17(12):16-20. Ref. 1952. 20 Ak1
Insects chiefly.

55843 GRISON, P., and BILIOTTI, E. La signification agricole des "stations-refuges" pour la faune entomologique. Acad. d'Agr. de France. Compt. Rend. 39:106-109. Jan.14/21,1953. 14 P215Bc
Includes discussion.

55844 GUNTER, A. C. Cotton insect control today. Amer. Cotton Cong. Proc. 13:90-91. 1952. 72.9 C825

55845 HENDERSON, L. S. USDA-developed EQ-53 protects washable woolens from fabric pests. Chem. Spec. Mfr. Assoc. Proc. 39:114. 1952. 307.9 C42

55846 HETRICK, L. A., and MOSES, P. J. Value of insecticides for protection of pine pulpwood. J. Econ. Ent. 46:160-161. Feb.1953. 421 J822

55847 HITCHCOCK, B. E. Investigations into the micro-fauna of sugar cane soils and their susceptibility to BHC. Queensland Soc. Sugar Cane Technol. Proc. 20: 135-139. 1953. 65.9 Q332

55848 HITCHNER, L. S. Pesticides lower farm costs. Acco Press 32(4):10-12. Apr.1953. 6 Ac2
Chiefly insecticides and herbicides.

55849 HOFFMANN, A. Répertoire analytique des espèces animales, nuisibles aux cultures en France (Métropole et Départements d'Outre-Mer) ayant présenté d'intéressantes particularités en 1951. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt. 3: 398-404. July/Sept.1952. 464.9 F84An
Insects.

55850 JACKS, H. Evaluation of insecticides in practice. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:98. 1951,pub.1952. 90.09 R81R

55851 JANCKE, O. Nützlinge einmal anders. Anz. f. Schädlingsk. 26:40. Mar.1953. 421 An9

55852 JEFFERSON, R. N., and MACK, G. E. Control of certain greenhouse insects and mites with tetraethyl dithiopyrophosphate smokes. J. Econ. Ent. 46:120-123. Feb.1953. 421 J822

55853 JOHNSTON, H. G., and SORENSON, J. W. Control of storage insects in sorghum grain in south Texas. Tex. Livestock J. 12(2):9,125. Feb.1953. 49 T29

55854 JOLY, R. Les insectes de l'écorce et de l'aubier. Rev. du Bois 8(3):12-15. Mar.1953. 99.82 R32

55855 KANSAS ENTOMOLOGICAL COMMISSION. Twenty-third biennial report for the years 1951-1952. Topeka,1953. 35 p. 423 K133

55856 KATO, M., MATSUDA, T., and YAMASITA, Z. Associative ecology of insects found in the paddy field cultivated by various planting forms. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 19:291-301. Oct.1952. 513 T574Ab

55857 KEEN, F. P. Forest trees also have pests. Calif. Gard. 44:1-2. Spring 1953. 80 C127

55858 KESTER, G. The gardener's one-two punch. Du Pont Mag. 47(2):12-13. Apr./May 1953. 309.8 D92
Insecticides.

55859 KILFOIL, W. P. Fighting forest enemies. Family Herald & Wk. Star 84(15):5,14. Apr.9,1953. 7 F21
New Brunswick, Canada.

55860 KNIPLING, E. F. The greater hazard—insects or insecticides. J. Econ. Ent. 46:1-7. Feb.1953. 421 J822

55861 KNIPLING, E. F. The greater hazard—insects or insecticides. Washington,U. S. Bur. Ent. & Plant Quar., 1952. 16 p. 1.967 A2K74
Talk at meeting of American Association of Economic Entomologists, Philadelphia, Dec. 15, 1952.

55862 KNOWLTON, G. F., and PACKER, N. T. Insect control and pollination of the alfalfa seed crop in the Delta Tract, Utah. (Abs.) Utah Acad. Sci. Arts & Let. Proc. 29:49. 1951/52. 500 Ut1

55863 KRAMM, E. Die tiefenwirkung einiger kontaktinsektizide im pflanzlichen gewebe. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:20-26. Ref. Jan.1953. 464.8 Z3

55864 KULKARNY, H. L., and PATEL, R. C. Blister leaf-galls of mango and their control. Cur. Sci. 22:48. Feb.1953. 475 Sci23

55865 KULKARNY, H. L. Some considerations in the application of insecticides. Bansilal Amritlal Agr. Col. Mag. 6:3-5. Sept.1952. 22 B22

55866 LAPLANTE, A. A. Fruit insect activity for the year 1952. N. Y. State Hort. Soc. Proc. 98:259-271. 1953. 81 N484
Includes vectors.

55867 LATTA, R. Research in the Division of Stored Product Insect Investigations relative to the use of insecticides. Chem. Spec. Mfr. Assoc. Proc. 39:103-104. 1952. 307.9 C42

55868 LIENK, S. E. Are we ready to substitute some material other than lead arsenate for control of cherry pests? N. Y. State Hort. Soc. Proc. 98:74-77. 1953. 81 N484

55869 LILLY, J. H., and GUNDERSON, H. Insecticides for soil insects. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:163-165. Mar.1953. 275.28 Io94

55870 MCKINLAY, K. S. Use of repellents to simplify insecticide field trials. Nature [London] 171:658. Apr.11,1953. 472 N21

55871 MACNAY, C. G. Summary of important insect infestations, occurrences, and damage in Canada in 1952. Canad. Insect Pest Rev. 30:297-341. 1952. 423.92 C16C

55872 MARTIN, H. H. Who's winning the battle of the bugs? Sat. Evening Post 225(42):42-43,169-170. Apr.18, 1953. 110 Sa8
Insect resistance to DDT and biological control.

55873 MATHLEIN, R. New weapons against storage pests. (In Swedish.) Svensk Jordbrforsk. 1953:122-128. 11 J763
Grain.

55874 MATHLEIN, R. On insect injuries to grain stored for a long time. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 5/6:79-82. Dec.1952. 464.9 Sw3V

55875 MICHELBACHER, A. E., and others. Tomato insect investigations in northern California in 1951. J. Econ. Ent. 46:73-76. Feb.1953. 421 J822
O. G. Bacon, W. W. Middlekauff, and W. Erwin, joint authors.

55876 MICKLE, G. T. Insect pests of ornamental trees and shrubs. Colo. Agr. Col. Ext. B. 425-A,35 p. Mar.1953. 275.29 C71E
Includes control methods.

55877 MINDERHOUD, A. Fewer pollinating insects. (In Dutch.) Landbode 7(11):2. Mar.12,1953. 12 L234

55878 MORRISON, H. E. Control of soil insects. Oreg. State Hort. Soc. Proc. 67:119-122. 1952. 81 Or32

55879 MUNRO, J. A., and HINOJOSA, R. Control de insectos caseros. Bolivia. Serv. Agr. Interamer. C. de Ext. 1,16 p. Jan.1952. 275.249 B63

55880 MUNRO, J. A. Potato insect pests in the Bolivian Altiplano. Sci. Mon. 76:171-173. Mar.1953. 470 Sci23

55881 MURPHY, J. Plants bite back. Wis. Country Mag. 46(6):12. Mar.1953. 276.8 St9
Research in systemic insecticides.

55882 NEVES, C. M. B. Insect pests of stored agricultural products, in Portugal. (In Portuguese.) Vida Agr. [Lisboa] 15(93):1-2. Jan./Feb.1953. 15.5 V66

55883 NEVES, C. M. B. On the latest contributions to the study of the chief entomological problems in Portuguese agriculture. (In Portuguese.) Agros [Lisboa] 35:286-299. Ref. (Concl.) Dec.1952. 15.5 Ag82

55884 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Insect pests of the Kurrajong. Agr. Gaz. N. S. Wales 64:95-99. Feb.1953. 23 N472

55885 1953 State guides for controlling insects. Cotton Gin & Oil Mill Press 54(6):20,22-27,82-83,90-97, 102-104,106-107,109-126. Mar.14,1953. 304.8 C822

55886 OLNEY, V. W. Hood River apple and pear pest control. Oreg. State Hort. Soc. Proc. 67:21-22,24. 1952. 81 Or32

55887 PACLT, J. Pests of the genus Catalpa. Biol. Jaarb. 19:60-73. Ref. 1952. 410 B52
Chiefly insects.

55888 PALM, C. E. Review of foreign pesticide developments. Agr. Chem. 8(4):37-39,130-131,133,135. Apr.1953. 381 Ag8
Insecticides.

55889 PATEL, G. A. ABC of BHC & DDT. Poona Agr. Col. Mag. 43:88-98. Aug.1952. 22 P79

55890 POWELL, T. Biological control, a hope for the future; research development is demonstrating the value of attacking insects with their own natural enemies. Org. Farmer 4(8):26-27,41-42. Mar.1953. 57.8 Or3

55891 PYENSON, L. New prescriptions for controlling old pests. Pop. Gard. [Albany] 4(4):54-55,109-111. Apr.1953. 80 P812

55892 RAINWATER, C. F. Systemic insecticides show promise. What's New Crops & Soils 5(7):14-15. Apr./May 1953. 6 W55

55893 RAUN, E. S. Newest, best ways to pestproof your livestock. Successful Farming 51(5):52-53,94,96-98. May 1953. 6 Su12

55894 RICHARDSON, T. C. Thieves of the cotton fields cause heavy losses to growers. Farmer-Stockman, Tex. Ed. 56(4):27,94. Apr.1953. 6 F22127
Insect pests.

55895 ROBERT, E. Emploi des adjuvants dans les produits antiparasitaires utilisés en arboriculture fruitière. Cong. Pomol. de France. Sess. 83:217-238. 1952,pub.1953. 93.09 C7643
Insecticides.

55896 RUDNEV, D. F. On the prognosis of forest pests and planned measures for controlling them. (In Russian.) Zool. Zhur. 32:3-13. Ref. Jan./Feb.1953. 410 R92

55897 SCALES, A. L., and others. EPN for cotton insect control. J. Econ. Ent. 46:130-133. Feb.1953. 421 J822
E. E. Ivy, J. C. Gaines, and C. F. Rainwater, joint authors.

55898 SCHENK, P. J. Control of plant enemies through systemic insecticides. (In Flemish.) Cult. en Handel 19:167-170. Mar.1953. 80 C892

55899 SCHENK, P. J. Control of plant enemies through systemic insecticides. II. (In Flemish.) Cult. en Handel 19:207-209. Apr.1953. 80 C892

55900 SCHIMITSCHEK, E. Forstentomologische studien im Urwald Rotwald. I. Z. f. Angew. Ent. 34:178-215. Ref. Dec.1952. 421 Z36

55901 SCHREAD, J. C. Boxwood [Buxus] pests and their control. Conn. (State) Agr. Expt. Sta. B. 565,12 p. Feb.1953. 100 C76St
Chiefly Monarthropalpus buxi, Psylla buxi, and Tetranychus bimaculatus.

55902 SHAW, F. R., BOURNE, A. I., and BOYD, W. Incidence of forage crop pests in Massachusetts and seasonal history of the meadow spittlebug [Philaenus leucophthalmus]. J. Econ. Ent. 46:159-160. Feb.1953. 421 J822

55903 SHEPARD, H. H. It started in 1867, control of insects through the years. Farm Chem. 116(4):47-49. Apr.1953. 57.8 Am3

55904 STARNES, O. How to fight the "battle of insects" this year. N. J. Farm & Gard. 24(4):20,22,24. Apr.1953. 6 G162
Insecticides.

55905 STILES, C. F. Cotton insect control. Okla. Agr. Col. Ext. C. 499,8 p. 1953? 275.29 Ok41C

55906 SUMMERS, J. W. History of an insecticide. Sowest. Crop & Stock 7(4):56-57. Apr.1953. 6 So8942
Rotenone.

55907 SWEETMAN, H. L., BENSON, D. A., and KELKEY, R. W. Efficacy of aroma of cedar in control of fabric pests. J. Econ. Ent. 46:29-33. Feb.1953. 421 J822

55908 SWOBODA, M. Cotton insect control guide for New Mexico, 1953. N. Mex. Agr. Col. Ext. C. 277,8 p.-folder. Mar.1953. 275.29 N463E

55909 SYLVÉN, E. Observations on methodology of control experiments. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 4:51-53. Sept.1952. 464.9 Sw3V
Insects.

55910 TADIC, R. M. An epidemiological investigation of a rural district in Yugoslavia. World Health Organ. B. 7:431-444. 1952. 449.9 W892B
Includes insect pests of man and their control.

55911 THENARD, J. Insecticides et acaricides systémiques. Cong. Pomol. de France. Sess. 83:167-176. 1952,pub.1953. 93.09 C7643
Includes discussion.

55912 THOMPSON, G. H. Forest entomology in Canada. Oxford U. Forest Soc. J. (ser.4)1:21-28. 1953. 99.9 Ox2

55913 TOMLINSON, W. E. Insecticides can kill cranberry pollinators. Cranberries 17(12):10. Apr.1953. 80 C852

55914 TORRES DE LA PUERTA, C. Enemigos de las gallinas. Chacra 23(267):47. Feb.1953. 9 C34
Predators and insect pests.

55915 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Information on new insect repellent compositions developed for military use. Washington,1953. 1 p. 1.967 I3In3

55916 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of defoliating, boring and sucking insects and their control. Washington,1953? 1 p 1.967 A2In8

55917 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of New Zealand. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-581,rev.,12 p. Mar.20,1953. 1.9 F73

55918 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of insect vectors of forest tree diseases and development of control methods for these vectors. Washington,1953? 1 p. 1.967 A2In85

55919 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of New Zealand. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 581,rev.,(sup.1),1 p. Apr.9,1953. 1.9 F73

55920 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of El Salvador. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 602,2 p. Apr.9,1953. 1.9 F73

55921 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of Peru. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-556(sup.1),rev.,1 p. Mar.20,1953. 1.9 F73

55922 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Grain-sanitation program of the Food and Drug Administration. Hearings, 83d Cong., 1st sess. on implementation of grain-sanitation program of the Food and Drug Administration with respect to insect infestation of wheat, March 10 and 11, 1953. Washington,1953. 110 p.
In relation to price support programs.

55923 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. What we can expect from insects this year, by K. Dorward. Washington,Mar.14,1953. 2 p. 1.914 R2R11

55924 U. S. PUBLIC HEALTH SERV. Domestic rats, rat ectoparasites and typhus control. Washington,1952. 38 p., Ref. (Its Public Health Monograph 5; Public Health Service Publication 209) 151.66 D71

55925 U. S. PUBLIC HEALTH SERV. COMMUNICABLE DISEASE CENTER. Recommendations for the use of insecticides and rodenticides. Pest Control 21(4): 9-10,12,14,16,18. Apr.1953. 449.8 Ex8

55926 U. S. PRODUCTION AND MARKETING ADMIN. Quantities of insecticides used on cotton. Washington, 1952. 3 p. 1.956 M41Q2

55927 UNTERSTENHÖFER, G. Über die bestimmung des giftwertes (toxizitätsgrades) von kontaktinsektiziden. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60: 26-36. Ref. Jan.1953. 464.8 Z3
English summary.

55928 VITÉ, P. Einige unserer wichtigsten tierischen holzschädlinge. Holzwirt. Jahrb. 1953:211-225. 99.83 H742

55929 WEISS, F. A. Systemic pesticides. Natl. Hort. Mag. 32:104-105. Apr.1953. 80 N216

55930 WHITCOMB, W. D. Effective insect control. Amer. Nurseryman 97(8):16,74. Apr.15,1953. 80 Am371

55931 WHITFIELD, F. G. S. Pest-control in enclosed spaces. Times Rev. Indus. (n.s.)7(75):26-28,32. Ref. Apr.1953. 286.8 T4822

55932 WIEGAND, E. Neue pflanzenschutzmittel; deutscher chemiker erfindet vielseitig anwendbare phosphoresterpräparate. Übersicht 4:137-138. Feb. 1953. 18 Ub3
Insecticides.

55933 WILSON, J. W. Developments in economic entomology. Fla. Ent. 36:3-8. Mar.1953. 420 F662

55934 WOLFENBARGER, D. O. Insect and mite control problems on lawn and golf grasses. Fla. Ent. 36: 9-12. Mar.1953. 420 F662

55935 YOUNG, M. T., and GAINES, R. C. Tests of insecticides for control of cotton insects. J. Econ. Ent. 46: 133-136. Feb.1953. 421 J822

55936 ZACHER, F. Chemische mittel im vorratsschutz. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:446. Dec.1952. 384 Z39
Insecticides for food pest control.

INSECTICIDES

55937 ABRAMITIS, W. W. Action of certain organic compounds as systemic insecticides. (Abs.) Iowa State Col. J. Sci. 27:119. Jan.1953. 470 Io9

55938 AMBROSE, A. M., and others. Toxicological and pharmacological studies on chlordane. A. M. A. Arch. Indus. Hyg. & Occup. Med. 7:197-210. Mar.1953. 449.8 Ar24
H. E. Christensen, D. J. Robbins, and L. J. Rather, joint authors.

55939 BILLINGS, S. C. The labeling of insecticides under the Federal Insecticide, Fungicide, and Rodenticide Act. Chem. Spec. Mfr. Assoc. Proc. 39:119-120. 1952. 307.9 C42

55940 BRÖKER, W. Prüfung der beständigkeit von dichlor-diphenyltrichloräthan und hexachlor-cyclohexan mit hilfe einer chemisch-analytischen methode. Anz. f. Schädlingsk. 26:38-39. Mar.1953. 421 An9

55941 CAVALCA, L., and VITALI, T. On the crystalline structure of 1,1,1-trichloro 2,2-bis-(4 methylmercaptophenyl)-ethane and its relations with that of DDT and analogous compounds. (In Italian.) Ann. di Chim. 43:119-124. Feb.1953. 385 An7

55942 COLLINS, W. E., and KING, H. L. A modified technique for laboratory evaluation of contact insecticides. J. Econ. Ent. 46:51-53. Feb.1953. 421 J822

55943 DAVIDOW, B., and LAUG, E. P. Colorimetric method for estimation of dieldrin. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):314-315. Mar.1953. 442.9 F31P

55944 EBERT, A. Schädlingsbekämpfungsmittel als kampfstoffe. Chimia 7:36-40. Feb.15,1953. 385 C444

55945 FEILD, R. B. Collection of aerosol particles by atomized sprays. Urbana,1952. 6 p. 386 F322
Abstract of thesis - University of Illinois.

55946 GIBAN, J., SAINT-LEGER, L., and GATINEAU, M. Toxicité chronique de l'hexachlorocyclohexane (H. C. H.) à l'égard du canard. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Epiphyt. 3:396-397. July/Sept.1952. 464.9 F84An

55947 HALLER, H. L., BARTHEL, W. F., and LEON, J. L. Constitucion quimica y actividad insecticida; nuevos analogos del DDT. Soc. Espan. de Fis. y Quim. An. Ser. B, Quim. 49:140-144. Feb.1953. 385 So16
English summary.

55948 HORNSTEIN, I., and SULLIVAN, W. N. Determination of lindane in air. Analyt. Chem. 25:496-498. Mar.1953. 381 J825A

55949 HORTON, R. G., and CONN, L. W. Comparison of toxicities of oxygen and sulfur analogues of certain insecticides containing the o- or p-Nitrophenyl group. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1): 332. Mar.1953. 442.9 F31P

55950 INOUE, Y. Separation and usefulness of the crystal isomers of allethrin. (In Japanese.) Jap. J. Plant Protect. 43:15-16,25. Jan.1953. 421 J27

55951 ISHII, S. Application of phosphorous insecticides and their toxicity to domestic animals. (In Japanese.) Jap. J. Plant Protect. 43:22-29. Jan.1953. 421 J27
Organic phosphate insecticides.

55952 ITZEROTT, H. Eine schnellmethode zur prüfung der dauerwirkungs und regenbeständigkeit von DDT- und DDT-gamma suspensionen. Anz. f. Schadlingsk. 26:25-26. Feb.1953. 421 An9

55953 JONES, G. D. Fight tobacco insects—but don't kill yourself! Prog. Farmer, Carolinas-Va. Ed. 68(4): 178-179. Apr.1953. 6 P945

55954 KASTLI, P. Die ausscheidung von toxisch wirkenden stoffen durch die milchdrüse mit besonderer berücksichtigung der insektizide. Schweiz. Arch. f. Tierheilk. 95:171-187. Ref. Mar.1953. 41.8 Sch9

55955 KUNZE, F. M., and LAUG, E. P. Toxicants in tissues of rats on diets containing dieldrin, aldrin, endrin and isodrin. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):339. Mar.1953. 442.9 F31P

55956 LEPAGE, H. S., and GIANNOTTI, O. Toxicity of modern insecticides. (In Portuguese.) Rev. dos Criadores 24:15-16. Jan.1953. 43.8 R32
To man.

55957 LEWIS, J. R., and MCKEON, W. B. Effect of various drugs in antagonizing toxicity of TEPP. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):342. Mar.1953. 442.9 F31P

55958 LOCKARD, D. H., and FRANK, W. F. A turntable modification of the Peet-Grady method. J. Econ. Ent. 46:20-24. Ref. Feb.1953. 421 J822

55959 MCNAMARA, B. P., and others. TEPP and skeletal muscle fasciculation. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):350. Mar.1953. 442.9 F31P
E. F. Murtha, L. J. Edberg, A. D. Bergner, and J. H. Wills, joint authors.

55960 MURA, D., QUESADA, A., and MEDDA, A. Contribution to the study of the presumed toxicity to domestic animals of DDT, petroleum, and Triton used by the ERLAAS for the antimalarial campaign in Sardinia. (In Italian.) Clin. Vet. 76:36-52. Ref. Feb.1953. 41.8 C61

55961 OLSEN, P. C. Sales of household insecticides in retail outlets. Chem. Spec. Mfr. Assoc. Proc. 39:116-118. 1952. 307.9 C42

55962 PRICKETT, C. S., and LAUG, E. P. Urinary metabolites from intravenously administered methoxychlor. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):358. Mar.1953. 442.9 F31P

55963 RIEMSCHNEIDER, R. Polychlorcyclohexene als geruchskomponenten technischer HCH-präparate. 1. Anz. f. Schädlingsk. 26:37-38. Mar.1953. 421 An9

55964 ROAN, C. C., and MAEDA, S. A microdevice for rapid application of toxicants to individual insects. U. S. Bur. Ent. & Plant Quar. ET-306,3 p. Apr.1953. 1.9 En83T

55965 SCHAEFER, R. A., and VANCE, G. H. Exposure of Connecticut tobacco workers to parathion. A. M. A. Arch. Indus. Hyg. & Occup. Med. 7:193-196. Mar.1953. 449.8 Ar24

55966 STAHMANN, M. A., CASIDA, J. E., and ALLEN, T. C. Enzymatic and chemical oxidation of phosphoramides to biologically active phosphoramide oxides. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):273. Mar.1953. 442.9 F31P

55967 STARR, D. F. Report of the CSMA Insecticide Scientific Committee; a brief history of twenty years experience in standardizing insecticides. Chem. Spec. Mfr. Assoc. Proc. 39:114-115. 1952. 307.9 C42

55968 STEWART, P. A., and BLUM, M. Effects of some insecticides on the conductance of peripheral nerve. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1): 138. Mar.1953. 442.9 F31P

55969 SULLIVAN, W. N., and HORNSTEIN, I. Chlorinated polyphenyls to improve lindane residues. J. Econ. Ent. 46:158-159. Feb.1953. 421 J822

55970 U. S. INTERDEPARTMENTAL COMMITTEE ON PEST CONTROL. A revised statement on the health hazards of insecticide vaporizers as used for the control of flying insects. J. Econ. Ent. 46:181. Feb.1953. 421 J822

55971 WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON INSECTICIDES. Fourth report. World Health Organ. Tech. Rpt. Ser. 54,98 p. Dec.1952. 449.9 W892T

55972 WRENCH, P. G. Parathion—its use and its hazards. Queensland Fruit & Veg. News 3:54-55. Jan.8, 1953. 280.38 Q3

55973 YEOMANS, A. H., and ROGERS, E. E. Factors influencing deposit of spray droplets. J. Econ. Ent. 46:. 57-60. Feb.1953. 421 J822

APICULTURE AND APIS MELLIFERA

55974 ADAM, L. De l'échec à la réussite avec la méthode du "gratte-ciel." Gaz. Apic. 54:45. Feb.1953. 424.8 G25

55975 ALBER. Italiener? Deut. Bienenwirt. 4:39-40. Feb.1953. 424.8 D489

55976 AMERICAN BEEKEEPING FEDERATION. Program for 1953. Amer. Beekeeping Fed. Fed. News Let. 10(2/3):1,3. Feb./Mar.1953. 424.9 Am32

55977 AMEZ-DROZ, F. Autrefois et aujourd'hui avec nos abeilles. Almanach Agr. de la Suisse Romande 91:80,82. 1953. 30.3 AL6

55978 ANGELERI. Bees and pebbles. (In Italian.) Apic. Mod. 44:39-41. Feb.1953. 424.8 Ap39
Flight of bees after obtaining pollen.

55979 ARAN SAN AGUSTIN, S. Aspectos económicos y tecnicos de la apicultura española. B. de Divulg. Ganad. [Ciudad Real] 7(76/78):9-12. Oct./Dec.1952. 49.9 Sp14

55980 ARMITT, J. H. Apiarists and their opportunity. Irish Beekeeper 7:59-60. Mar.1953. 424.8 Ir42

55981 ARMITT, J. H. Examinations and you. Brit. Bee J. 81:152-153. Mar.5,1953. 424.8 B77

55982 ARMITT, J. H. This is our opportunity. Brit. Bee J. 81:172-173. Mar.12,1953. 424.8 B77

55983 AUGUSTO, R. The gradual destruction of domestic apiculture is a result of migratory apiculture. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:55. Feb. 1953. 16 C72

55984 BAETS, H. A. Bees and fruit. (In Dutch.) Fruitteelt 43:252. Mar.21,1953. 86 N28

55985 BÄR, F. Zweivolkbetrieb in der 3-raumbeute. Deut. Bienenztg. 8:37-39. Mar.1,1953. 424.8 D488

55986 BARAS, A. La cire gaufrée s'avére indispensable avec le cadre mobile. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:61-64. Feb./Mar.1953. 424.9 Sy7

55987 BARAS, A. Pour la production du miel et son origine. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8(89/90):15-17. Dec.1952/Jan.1953. 424.9 Sy7

55988 BARDEL, J. Hibernation et hivernage. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8(89/90):24-29. Dec.1952/Jan.1953. 424.9 Sy7

55989 BERNER, U. Die feststellung des trachtwertes. Deut. Bienenztg. 8:26-27. Feb.1,1953. 424.8 D488

55990 BERNHARD, P. Bienengiftwirkung und ihre behandlung. Rheinische Bienenztg. 104:7-8. Jan.1953. 424.8 R34

55991 BEUSCHLEIN. Lohnt es sich noch? Imkerfreund 8:90-91. Mar.1953. 424.8 Im43
Injuries to bees by sprays.

55992 BJERKE, K. Vertical and horizontal wiring. (In Norwegian.) Birøkteren 69:33-35. Mar.1953. 424.8 B53

55993 BONE, D. John Geddy and the transparent octagon hive. Brit. Bee J. 81:124-125,127,140-141,150. (Concl.) Feb.19-Mar.5,1953. 424.8 B77

55994 BONE, D. Some early records of the tiered or supered hive. Canad. Bee J. 61(2):15-17. Feb.1953. 424.8 C16

55995 BONGARTZ, P. Schadenersatz bei bienenvergiftung. Rheinische Bienenztg. 104:96-98. Apr.1953. 424.8 R34

55996 BÖTTCHER, F. K. Die wirkung des 2,4 D-haltigen unkrautbekämpfungsmittels U 46 auf die honigbeine. Z. f. Bienenforsch. 2:21-38. Ref. Apr.1953. 424.8 Z3

55997 BRASSLER, K. Stille stunden am mikroskop; eine kleine einführung in die imkerliche mikroskopie; mikroskopische pollenanalyse. Deut. Bienenwirt. 4:59-62. Mar.1953. 424.8 D489

55998 BROWNRIDGE, T. S. M. The Morris board way of rearing queens. 1-3. Brit. Bee J. 81:148,165,178, 194. Mar.5-26,1953. 424.8 B77
Title varies.

55999 BUDEL, A. Die bienenphysik bringt beweise. Imkerfreund 8:41-42. Feb.1953. 424.8 Im43
Effects of wind on the temperature conditions of the hives.

56000 BUDEL, A., and GRZIWA, J. Die lebensgeschichte einer honigwabe; dem andenken von Guido Bamberger (+2.3. 1952). Imkerfreund 8:78-80. Mar.1953. 424.8 Im43
Hive temperature studies.

56001 BÜDEL, A. Rauch in der wabengasse. Abeille de France 32:55-57. Feb.1953. 424.8 Ab36

56002 BUDEL, A. Wabenform, kastenisolation und kleinklima. Rheinische Bienenztg. 104:3-7. Jan.1953. 424.8 R34
Temperature.

56003 BUDEL, A. Zwei maschinen. Nordwestdeut. Imkerztg. 5:72-75. Mar.1953. 424.8 N753
Hive temperature.

56004 CALE, G. H. Package bees for increase or replacement. Amer. Bee J. 93:154. Apr.1953. 424.8 Am3

56005 CANAD. CENTRAL EXPERIMENTAL FARM. DIV. DE L'APICULTURE. Rapport sur les travaux de recherche effectués par la Division. Abeille et l'Erable 22(ser.2):45-48. Mar.1953. 424.8 Ab32

56006 CHAUVIN, R. Sur la claustration des ruches. Gaz. Apic. 54:48-50. Feb.1953. 424.8 G25
Care of bees at time of insecticide application by aircraft.

56007 CLEMSON, A. A. American foul brood. Agr. Gaz. N. S. Wales 64:71-72,82. (Cont.) Feb.1953. 23 N472

56008 COORDES, H. Naturgemässe königinnenzucht. Nordwestdeut. Imkerztg. 5:119-121. Apr.1953. 424.8 N753

56009 CORTES DEL ROSAL, J. Apicultura sencilla. Montes 8(49):43-50. Jan./Feb.1953. 99.8 M763

56010 COURNOIS, R. Qui a inventé la hausse? Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:67. Feb./Mar.1953. 424.9 Sy7

56011 CRISP, W. F. Some observations on the honeybee's reaction to comb foundation and drawn comb. So. African Bee J. 27(6):18-19. Jan./Feb.1953. 424.8 So82

56012 CUTTS, N. A. Measures to prevent swarming. Agr. Gaz. N. S. Wales 64:27-28. Jan.1953. 23 N472

56013 DADANT, C. Large beehives. (In Italian.) Apic. Mod. 44:36-38. Feb.1953. 424.8 Ap39

56014 DEMARTY, P. Chronique apicole: le pillage précoce. Tarn-et-Garonne Agr. 16:51-52. Mar.1953. 14 T17

56015 DENNIS, C. B. This "frowing" business. Brit. Bee J. 81:136-138. Feb.26,1953. 424.8 B77
Control of acarine disease.

56016 DESORT, F. Frühling im bienenreich! Österr. Imker 3:46-47. Mar.1953. 424.8 Os7
Habits and behavior.

56017 DOHRN, E. Die karnika-hooge und ihre zucht. Westfalische Bienenztg. 66:53-56. (Cont.) Mar.1953. 424.8 W526

56018 DREHER, K. Zum "neujahrswunsch." Hess. Biene 88:303-305. Mar.1953. 424.8 B476
Colony management.

56019 ECKERT, J. E. Sulfathiazole in relation to American foulbrood disease of honey bees. J. Econ. Ent. 46:181. Feb.1953. 421 J822

56020 EISING, W. Meine erfahrungen mit dem BRA ranfts brutreflexauslöser. Carnica Züchterring 5:15-16. 1953. 424.8 C21

56021 EVENIUS. Achtet auf vergiftung der bienen! Nordwestdeut. Imkerztg. 5:110-113. Apr.1953. 424.8 N753
Insecticides.

56022 FAULENBACH, G. Die bienenzucht des Oberberg. Kreises nach dem Weltkrieg. Rheinische Bienenztg. 104:11-13. Jan.1953. 424.8 R34

56023 FOLOPPE, L. R. Petit cours d'apiculture. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:54-60. (Cont.) Feb./Mar.1953. 424.9 Sy7

56024 FRANZ, J. "Sterzelnde" bienen. Orion 8:243. Mar.1953. 474 Or4

56025 FROST, A. Where does Australia stand with honey-bee pollination? Australas. Beekeeper 54:198-200. Jan.15,1953. 424.8 Au72

56026 GERCKE, A. Was halten sie von einem schwarmfanggerät? Nordwestdeut. Imkerztg. 5:87-89. Mar.1953. 424.8 N753

56027 GIORDANI, G. L'ape nella impollinazione dei fiori [The bee in flower pollination]. Bologna,1952. 58 p. Ref. 424 G432

56028 GOLZ, W. An den altimker; ein jungimker antwortet der nordwestdeutschen imkerzeitung. Nordwestdeut. Imkerztg. 5:37-40. (Cont.) Feb.1953. 424.8 N753
Colony management.

56029 GONTARSKI, H. Die frühjahrsreizfütterung unter seuchenhygienischem gesichtspunkt. Deut. Bienenwirt. 4:47-49. Mar.1953. 424.8 D489

56030 GOOSMANN. Merkmalsbeurteilung durch die hauptkörstelle. Nordwestdeut. Imkerztg. 5:121-122. Apr. 1953. 424.8 N753
For selection of breeding stock.

56031 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Foul brood. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 306,rev.,8 p. Jan.1953. 10 G79La

56032 GUILHON, J. Herbicides synthétiques & apiculture. Abeille de France 32(328):4-5. Jan.1953. 424.8 Ab36

56033 GUYOT, M. Fabrication de l'hydromel; préparation rapide et titrage des moûts. Abeille de France 32(328):6-8. Jan.1953. 424.8 Ab36

56034 HAMMER, O. Protection of bees. (In Danish.) (Sum.) Tolvmandsbladet 25:97. Apr.1953. 11 T58
Against insecticides.

56035 HARNEY, W. Ein sehr altes schwarmverhinderungsmittel. Rheinische Bienenztg. 104:8-11. Jan. 1953. 424.8 R34

56036 HAYDAK, M. H. The right diet for bees. Gleanings Bee Cult. 81:209-211,250. Apr.1953. 424.8 G47

56037 HAYNIE, J. D., and MURPHEY, M. Beginning beekeeping. Fla. Agr. Col. Ext. B. 151,31 p. June 1952. 275.29 F66

56038 HENRI-SIMONNET, P. La Caucasienne est-elle la race de l'avenir? Gaz. Apic. 54:46-47. Feb.1953. 424.8 G25

56039 HEROLD, E. Spurbienentänze. Imkerfreund 8:38-41. Feb.1953. 424.8 Im43

56040 HESSBERG, H. VON. Zum entwachsen der weiselzellen. Deut. Bienenztg. 8:24-26. Feb.1,1953. 424.8 D488

56041 HIGGINBOTHAM, B. Breeding of hybrid bees. Austral. Beekeeper 54:228-230. Feb.15,1953. 424.8 Au72

56042 HIRSCHFELDER, H. Zur bekämpfung der milbenseuche. Imkerfreund 8:121-123. Apr.1953. 424.8 Im43
Germany.

56043 HOFFMANN, C., and KOHLER, F. Uber einäugige, sogenannte Cyclopen-bienen. Imkerfreund 8: 81-84. Mar.1953. 424.8 Im43

56044 HOFMANN, C. S. A one-man hive hoist. Amer. Bee J. 93:148-149. Apr.1953. 424.8 Am3

56045 HOHNEL, W. Alltägliche fragen aus der praxis einmal näher betrachtet. III. Fragen um den brutdeckel. Deut. Bienenztg. 8:23-24. Feb.1,1953. 424.8 D488

56046 HÖHNEL, W. Alltägliche fragen aus der praxis einmal näher betrachtet. IV. Was hat es mit dem "stillen raub" auf sich? Deut. Bienenztg. 8:41-42. Mar.1,1953. 424.8 D488

56047 HOLZE, R. Magazinimkerei leicht, besonders durch kippen. Nordwestdeut. Imkerztg. 5:41-43. Feb. 1953. 424.8 N753

56048 HOUSSON, R. Utilitě du pesage facile des ruches. Abeille de France 32(328):3. Jan.1953. 424.8 Ab36

56049 HUBBE, W. Beobachtungen zu den bürstbewegungen der honigbiene. Deut. Bienenztg. 8:17-20. Feb.1, 1953. 424.8 D488

56050 HUNKELER. 45. jahresbericht der faulbrutversicherung des VDSB [Verein Deutsch-Schweizeischer Bienenfreunde] pro 1952. Schweiz. Bienen-Ztg. 76:120-123. Mar.1953. 424.8 Sch9

56051 HURPIN, J. Les abeilles & les fleurs. Abeille de France 32(328):13-14. Jan.1953. 424.8 Ab36
Placing apiaries for best honey collection, in France.

56052 ILTON, C. D. The importance of the queen in the hive. Victoria. Dept. Agr. J. 51:70-71. Feb.1953. 23 V66J

56053 JOERGES, F. Nochmals: ist die emsländische heide überbesetzt? Nordwestdeut. Imkerztg. 5:51-53. Feb.1953. 424.8 N753

56054 KADDOORY, I. Honey bee. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:127-136. Jan./Mar.1953. 22.5 Ir1

56055 KEISER, F. Bebrütete oder unbebrütete waben? Imkerfreund 8:128-129. Apr.1953. 424.8 Im43

56056 KNAPP, O. Über die mehrfache begattung von bienenköniginnen. Rheinische Bienenztg. 104:67-69. Mar.1953. 424.8 R34

56057 LAIDLAW, H. H. An anesthetization chamber for the artificial insemination of queen bees. J. Econ. Ent. 46:167-168. Feb.1953. 421 J822

56058 LANDWEHRKAMP, W. 31 pfund obsthonig am 3. Mai geschleudert. Rheinische Bienenztg. 104(2):36-38. Feb.1953. 424.8 R34
Nutrition.

56059 LEHNART, A. Gift. Rheinische Bienenztg. 104:98-100. Apr.1953. 424.8 R34
Legal aspects of insecticide application.

56060 LEMAISTRE, W. G. A good honey filter. Canad. Bee J. 61(2):10-12. Feb.1953. 424.8 C16

56061 LEPISSIER, J. Sulfamides et antibiotiques. Abeille de France 32(328):2. Jan.1953. 424.8 Ab36

56062 LINDNER, R. Ein handlicher elektrischer wabenlöter. Westfalische Bienenztg. 66:62-64. Mar.1953. 424.8 W526

56063 LOUCHET, C. Le poison nécessaire. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8(89/90):35-36. Dec.1952/Jan.1953. 424.9 Sy7
Salt.

56064 LUTZ, J. Bericht über die standbesuche und über die Nosemahilfskasse des VDSB [Verein Deutsch-Schweizerischer Bienenfreunde] im jahre 1952. Schweiz. Bienen-Ztg. 4:166-170. Apr.1953. 424.8 Sch9

56065 LUTZNER, H. Beitriebswirtschaftslehre und imkerei. Deut. Bienenwirt. 4:54-55. Mar.1953. 424.8 D489

56066 LUTZNER, H. Wirtschaftswissenschaft für den imker; der einfluss der wirtschaftspolitik auf die imkerei. Deut. Bienenwirt. 4:31-32. Feb.1953. 424.8 D489

56067 MACWHIRTER, G. T. Did the bee-masters know? Brit. Bee J. 81:120-121. Feb.19,1953. 424.8 B77
Swarming.

56068 MARCHI, R. DE. Italian apiculture. (In Italian.) Allevatore 9(8):6. Feb.22,1953. 49 AL55

56069 MATHIS, M. Comment les abeilles fabriquent-elles de la chaleur? Gaz. Apic. 54:36-37. Feb.1953. 424.8 G25

56070 MAURIZIO, A. Weitere untersuchungen an pollenhöschen; beitrag zur erfassung der pollentracht-verhältnisse in verschiedenen gegenden der schweiz. Schweiz. Bienen-Ztg. Beih. 2:486-556. Ref. Jan.1953. 424.8 Sch9 suppl.
English summary.

56071 MEDICI, M. Como se debe alambrar y colocar la cera estampada en los cuadros. Mundo Agr. 46:64-65. Mar.1953. 9 M92

56072 MEDICI, M. El gamexane es peligroso para las abejas? Mundo Agr. 5(45):74. Feb.1953. 9 M92

56073 MENTZER, J. Die milbenseuche (acariose) der bienen. Tierärztl. Umschau 8:93-96. Mar.1953. 41.8 T445

56074 MERCIER, D. Hivernage des Langstroth. Cour. Apic. Franç. 6:22-23. Mar./Apr.1953. 424.8 C832

56075 MERSICH, K. Das bienenjahr 1952 im Burgenland. Österr. Imker 3:38-40. Mar.1953. 424.8 Os7

56076 MEYER, H. Berufsimker und das wandergesetz. Niedersächs. Bienenfr. 3:97-98. Mar.1953. 424.8 N552

56077 MILOTA, F. Fluglochbeobachtung. Österr. Imker 3:41-42. Mar.1953. 424.8 Os7

56078 MOBUS, W. Wo bleibt unser nachwuchs? Deut. Bienenwirt. 4:25-27. Feb.1953. 424.8 D489

56079 MOFFETT, J. O. Effect of several compounds on the longevity of caged honeybees. J. Econ. Ent. 46: 164-166. Feb.1953. 421 J822
Streptomycin, dihydrostreptomycin, terramycin and a solfone tested in attempt to find chemical control for European foulbrood.

56080 MOSKOVLJEVIĆ-FILIPOVIĆ, V. The development of the pharyngeal glands of the honey-bee in the normal bee colony. Acad. Serbe des Sci. Cl. des Sci. Math. et Nat. B. Sci. Nat. (n.s.)4:257-262. 1952. 510 B45

56081 MÜLLER, K. Das schwärmen lässt sich doch verhindern. Rheinische Bienenztg. 104:101-103. Apr. 1953. 424.8 R34

56082 MUNRO, J. A. Beekeeping in Bolivia. Gleanings Bee Cult. 81:204-208,253. Apr.1953. 424.8 G47

56083 MUSSHAUSER, J. Hilfsvölker. Carnica Züchterring 5:10-12. 1953. 424.8 C21

56084 MUSSIGER, W. Schlüpfkäfige mit absperrgitter. Nordwestdeut. Imkerztg. 5:46-48. Feb.1953. 424.8 N753

56085 MUTTOO, R. N. Tree apiaries. Indian Bee J. 14:87-89. Sept./Dec.1952. 424.8 In2
For Apis dorsata.

56086 NEFF, H. Imker-schulung durch staat oder die verbände? Deut. Bienenwirt. 4:50-51. Mar.1953. 424.8 D489

56087 NEIDEL, W. Die zukunft des begattungskästchens und die daraus zu ziehenden praktischen folgerungen. Deut. Bienenztg. 8:33-36. Mar.1,1953. 424.8 D488

56088 NEUMANN, D. Gedanken zum imkerjahr 1953. Nordwestdeut. Imkerztg. 5:35-37. Feb.1953. 424.8 N753

56089 NIKOLAIDOU, N. I. Melissokomia. [Apiculture]. Ed. 2. Athens,1952. 403 p. 424 N58

56090 NOLD, R. Die flucht der altbienen aus dem brutnest. Hess. Biene 88:266-267. Feb.1953. 424.8 B476

56091 NOLD, R. Meine erfahrungen mit der N- und K-biene. Hess. Biene 88:300-302. Mar.1953. 424.8 B476

56092 NOLD. Der verdauungsvorgang. Niedersächs. Bienenfr. 3:77-79. (Cont.) Mar.1953. 424.8 N552
Nutrition of Apis mellifera.

56093 NORTON, A. E. Queen raising for the honey producer. Australas. Beekeeper 54:200-201. Jan.15, 1953. 424.8 Au72

56094 OLBERG, G. Blütenbiologische bienenbeobachtungen in einem kalten frühling. Imkerfreund 8:46-48. Feb.1953. 424.8 Im43

56095 OLBERG, G. Hautflügler als feinde der bienen II. Ameisen [Formicidae]. Nordwestdeut. Imkerztg. 5: 82-83. Mar.1953. 424.8 N753

56096 PAGES, P. Un plan très simple d'apiculture intensive pour tous modèles de ruches: le plan Ségap. Gaz. Apic. 54:40. Feb.1953. 424.8 G25

56097 PESCHETZ, H. Was will und bezweckt der Verband der Carnica-Freunde Österreichs und des auslandes? Carnica Züchterring 5:1-2. (Cont.) 1953. 424.8 C21

56098 PIANA, G. P. Artificial heating of hives. (In Italian.) Apic. d' Italia 20:32-33. Feb.1953. 424.8 Ap372

56099 POSTNER, M. Die wirkung toxaphenhaltiger schädlingsbekämpfungsmittel auf bienen. Z. f. Bienenforsch. 2:39-45. Apr.1953. 424.8 Z3

56100 POTENTIER, P. Au sujet des ruches de la region de Mansara (Soudan). Notes Africaines 57:20-22. Jan.1953. 475 N84

56101 QUENTIN, A. Inventions apicoles: le choix d'une ruche à cadres. Cour. Apic. Franç. 6:24-27. (Cont.) Mar./Apr.1953. 424.8 C832

56102 RECKNAGEL, L. Keine königinnen mit schadhaften beinen. Imkerfreund 8:52,61-62. Feb.1953. 424.8 Im43

56103 REININGHAUS, H. Klar das ziel und klar der weg (zuchtplanung für 1953). Westfalische Bienenztg. 66:59-61. Mar.1953. 424.8 W526

56104 RENTROP, E. Imker, es geht um deine groschen! (betrachtungen über die beutenfrage). Niedersächs. Bienenfr. 3:95-96. Mar.1953. 424.8 N552

56105 ROBERTS, D. Bee-keepers' supplies in 1888. I-II. Brit. Bee J. 81:155-156,168-169. Mar.5-12,1953. 424.8 B77

56106 ROBERTS, D. Bee-keeper's supplies in 1888. III-IV. Brit. Bee J. 81:182-183,202. Mar.19-26,1953. 424.8 B77

56107 ROBILLARD, J. Quelques réflexions sur la technique Muller. Gaz. Apic. 54:87,92. Mar.1953. 424.8 G25
Swarming.

56108 ROFF, C. Nosema disease of the honeybee. Queensland Agr. J. 75:342-347. Dec.1952. 23 Q33

56109 ROTHS, V. Wie erzwinge ich bei bienenvergiftungen schadenersatz? Rheinische Bienenztg. 104:95-96. Apr.1953. 424.8 R34

56110 RUMMLER, W. Der segen der super-biene; "Majas" sündige liebe hilft unsere ernährungsprobleme lösen. Carnica Züchterring 5:6-8. 1953. 424.8 C21

56111 SCHEFFLER. Der stoffwechsel der wintertraube eines bienenvolkes. Abeille de France 32(328):26. Jan.1953. 424.8 Ab36

56112 SCHEFFLER. Woran erkennt der imker im winter den notzustand eines volkes, und wie hilft er ihm? Abeille de France 32(328):22-24. Jan.1953. 424.8 Ab36

56113 SCHMIDTNER, B. Schlüpfkäfige mit absperrgitter. Imkerfreund 8:130-131. Apr.1953. 424.8 Im43

56114 SCHMITZ, W. Meine erfahrungen mit der faulbrut. Rheinische Bienenztg. 104:103-105. Apr.1953. 424.8 R34

56115 SCHULTHEISS, H. Zucht bisher belanglos? Deut. Bienenztg. 8:20-23. Feb.1,1953. 424.8 D488

56116 SCHUSSLER. Die haftung des staates für stäubeschäden auf staatsdomänen. Deut. Bienenwirt. 4:34-39. Feb.1953. 424.8 D489

56117 SCHWEISHEIMER, W. Stung by a bee. Austral. Beekeeper 54:234-235. Feb.15,1953. 424.8 Au72

56118 SHAW, F. R. Observation beehives—construction, use. Mass. U. Agr. Ext. Spec. C. 191,2 p. Apr. 1952. 275.29 M381Sc

56119 SIEMONI, A. Pollen substitutes. (In Italian.) Apic. Mod[illegible]2-75. Mar.1953. 424.8 Ap39

56120 SMITH, F. G. Bee-keeping observations in Tanganyika, 1951/52. East African Agr. J. 18:59-61. Oct 1952. 24 Ea74

56121 SMITH, M. V., and DICKSON, G. H. Fruit pollination. Canad. Bee J. 61(3):8-11. Mar.1953. 464.8 C16

56122 SOHLE, E. Eignet sich die heidebiene für den kastenbetrieb? Niedersächs. Bienenfr. 1:28-29. Jan. 1953. 424.8 N552

56123 SOODER, M. Bienen und bienenhalten in der Schweiz. Basel,Krebs,1952. 341 p. (Schriften der Schweizerischen Gesellschaft für Volkskunde 34) 424 So6

56124 SOOSE, E. Panzerfarbe und ihre vererbung bei der honigbiene. Hess. Biene 88:302-303. Mar.1953. 424.8 B476

56125 STEWART, L. R. Winter loss and increase. Amer. Bee J. 93:155-156. Apr.1953. 424.8 Am3

56126 STILES, C. F. Beekeeping for beginners. Okla. Agr. Col. Ext. C. 238,23 p. n.d. 275.29 Ok41C

56127 STOBIE, T. G. The spring-time expansion of the brood nest. Scot. Beekeeper 29:54-55. Apr.1953. 424.8 Sco8

56128 STORCH, H. Königinnenmörder. Hess. Biene 88:271-272. Feb.1953. 424.8 B476

56129 STRICKER, M. Replacement and increase for the pollinculturist. Amer. Bee J. 93:157-159. Apr.1953. 424.8 Am3

56130 STRICKER, M. H. Apple pollination in New Jersey. Gleanings Bee Cult. 81:212-214. Apr.1953. 424.8 G47

56131 STUDIER, H. A repository for increase and replacement. Amer. Bee J. 93:156-157. Apr.1953. 424.8 Am3

56132 STURMFELS. Meine wachspresse. Rheinische Bienenztg. 104:100-101. Apr.1953. 424.8 R34

56133 STUTE, K. Untersuchungsergebnisse über die bienenschäden 1952. Westfalische Bienenztg. 66:49-52. Mar.1953. 424.8 W526
Injuries from sprays.

56134 THIELE. Zweivolkbetrieb —aber wie? Nordwestdeut. Imkerztg. 5:123-126. Apr.1953. 424.8 N753

56135 TUSCHHOFF, O. 50 jahre ohne bauerneuerung. Rheinische Bienenztg. 104:14. Jan.1953. 424.8 R34
Description of a bee colony.

56136 TUSCHHOFF, O. In 30 jahren erprobt und bewährt. Rheinische Bienenztg. 104:63-67. Mar.1953. 424.8 R34

56137 TUSCHHOFF, O. Der klemmpfropfen. Imkerfreund 8:64-65. Feb.1953. 424.8 Im43
Equipment for rearing queens.

56138 TUSCHHOFF, O. Sehr spätes auffuttern. Rheinische Bienenztg. 104:13-14. Jan.1953. 424.8 R34

56139 TUSCHHOFF, O. Seit 30 jahren sichere ernten aus frühen trachten durch dickwaben. Westfälische Bienenztg. 66:32-34. Feb.1953. 424.8 W526

56140 TUSCHHOFF, O. Seit 30 jahren sichere ernten aus frühen trachten durch dickwaben. Westfalische Bienenztg. 66:57-58. Mar.1953. 424.8 W526

56141 TYLDEN, E. New ways of wintering. (In Swedish.) Bitidningen 52:49-53. Mar.1953. 424.8 B54

56142 VAGLIASINDI, P. A. Swarming and its control. (In Italian.) Apic. d' Italia 20:29-31. (Cont.) Feb.1953. 424.8 Ap372

56143 VAN TOL, P. L. Blowflies in the hive; causes of wormy honeycombs and their prevention. (In Portuguese.) Lav. e Criação 8(46):53. Jan.1953. 49 L392

56144 VAN TOL, P. L. Migratory apiculture. (In Portuguese.) Lav. e Criação 7(45):10. Dec.1952. 49 L392

56145 VETSCH, R. Königinnenzucht im zuchtkasten mit caldor. Schweiz. Bienen-Ztg. 76:134-135. Mar.1953. 424.8 Sch9

56146 VOIGTLANDER, H. Hundert jahre bienen in not. Rheinische Bienenztg. 104(2):31-33. Feb.1953. 424.8 R34

56147 VOMSATTEL, M. Zur frage pollen und pollenersatz. Schweiz. Bienen-Ztg. 76:124-126. Mar.1953. 424.8 Sch9

56148 WAHLIN, B. Effect of economic poisons on bees. (In Swedish.) Lantmannen 37:217-218. Mar.7,1953. 11 L234

56149 WICHT, W. W. Pollination by a package bee producer. Amer. Bee J. 93:147. Apr.1953. 424.8 Am3

56150 WICKER, W. Flugloch-, standfront- und flugkreisbeobachtungen. Hess. Biene 88:296-297. Mar. 1953. 424.8 B476

56151 WILNED. Existen enemigos de las abejas que atacan y destruyen las bien organizadas colmenas. Mundo Agr. 5(45):32. Feb.1953. 9 M92
Galleria mellonnela and Acherontia atropos.

56152 WILTSHIRE BEEKEEPERS' ASSOCIATION. Year book for 1952-1953. Trowbridge,Eng.,1952. 44 p. 424.9 W71

56153 WITTMANN, H. Die fenster-rähmchenbeute nach dem ersten reinigungsausflug im März. Niedersächs. Bienenfr. 3:87-88. Mar.1953. 424.8 N552

56154 WOHLGEMUTH. Reinzuchtmütter im wettbewerb. Nordwestdeut. Imkerztg. 5:117-119. Apr.1953. 424.8 N753

56155 ZANDER. Des qualités d'une ruche pratique et utile. Synd. Apic. d'Artois et du Nord de la France. B. Mens. 8:65-66. Feb./Mar.1953. 424.9 Sy7

56156 ZURCHER, H. Was tun wir am ersten März? Schweiz. Bienen-Ztg. 76:130-134. Mar.1953. 424.8 Sch9

ARACHNIDA, MYRIAPODA, ETC.

56157 ARTHUR, D. R. Records of Ixodes hexagonus Leach from S.E. England & S. Wales (Acarina, Ixodidae). Entomologist 86:76-77. Mar.1953. 421 En8

56158 BERLAND, L. Les araignées comestibles. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:70-72. Jan./Feb.1953. 26 R323
Introduction by A. Chevalier.

56159 BLOWER, G. On three species of Cylindroiulus Verhoeff (Diplopoda, Iulidae) in Britain. Ann. & Mag. Nat. Hist. (ser.12)6:305-316. Ref. Apr.1953. 410 An77

56160 BOLE-GOWDA, B. N. Studies on the chromosomes and the sex-determining mechanism in four hunting spiders (Sparassidae). Zool. Soc. Bengal. Proc. 5:51-70. Ref. Mar.1952. 410.9 Z73

56161 BRANDER, G. C., and others. Treatment of lambs for the control of the tick (Ixodes ricinus). Vet. Rec. 65:137-139. Feb.28,1953. 41.8 V641
K. W. Page, L. C. Stones, and D. W. Jolly, joint authors.

56162 BRIAN, A. Note on some terrestrial isopods in the caverns of the Southern Appenines. (In Italian.) Napoli. U. Ist. e Mus. di Zool. Annu. 4(8),20 p. Ref. May 1952. 410.9 N1622
English summary.

56163 CAUSEY, D. The terrestrial Isopoda of Arkansas. Ark. Acad. Sci. Proc. 5:25-30. 1952. 500 Ar42

56164 CAUSEY, N. B. On two new species and new distribution records of paraiulid millipeds from the eastern United States. Ark. Acad. Sci. Proc. 5:19-23. 1952. 500 Ar42
Includes new species in Aniulusand Uroblaniulus.

56165 CHAMBERLIN, R. V. On the Chilopoda of Turkey. Istanbul. U. Fen Fakül. Mecmuasi. Ser. B, Tabif Ilimler 17:183-258. July 1952. 475 Is7
Includes new species in Cryptops, Kataplexus n.g., Porethus n.g., Brachygeophilus, Geophilus, Pleurogeophilus, Zygophilus, Turkomerium n.g., Ethenia n.g., Henia, Linotaenia, Eupolybothrus, Ottobius n.g., Turkobius n.g., Archeobius n.g., Archilithobius, Harpolithobius, Kosswigibius, Lithobius, Monotarsobius, Paleobius, Pleurolithobius, Sigibius, and Tamulinus.

56166 CHAMBERLIN, R. V. Two new millipeds taken in California caves. Ent. News [Philadelphia] 64:93-95. Apr.1953. 421 En88
In Sigmocheir and Striaria.

56167 CIFERRI, R. How to distinguish the species of Italian Tetranychus (red spiders). (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:41-43. Feb.1953. 16 C72
Identification of Tetranychus, Bryobia, and Metatetranychus species.

56168 CLOUDSLEY-THOMPSON, J. L. Notes on Arachnida, 19. Ent. Mon. Mag. 89:88-89. Apr.1953. 421 En86

56169 CLOUT, G. A. Acarine. III. Bee Craft 35:32-33. Mar.1953. 424.8 B3925
Description of Acarapis woodi.

56170 COLLYER, E. Biology of some predatory insects and mites associated with the fruit tree red spider mite (Metatetranychus ulmi (Koch) in south-eastern England. II-III. J. Hort. Sci. 28:85-113. Ref. Apr.1953. 80 J825

56171 COOK, R. Murine mange: the control of Myocoptes musculinus and Myobia musculi infestations. Brit. Vet. J. 109:113-116. Mar.1953. 41.8 V643

56172 COOREMAN, J. Histiogaster hylecoeti n. sp. (Acarien Tyroglyphidae). Description de la deutonymphe migratrice véhiculée par Hylecoetus dermestoides L. (Col. Lymexylidae). Soc. Ent. de Belg. B. & Ann. 88:234-240. Oct.28,1952. 420 B41

56173 CRABILL, R. E. Concerning a new genus Dinocryptops, and the nomenclatorial status of Otocryptops and Scolopocryptops (Chilopoda: Scolopendromorpha: Cryptopidae). Ent. News [Philadelphia] 64:96. Apr. 1953. 421 En88

56174 CRABILL, R. E. A new Zygethopolys from Kentucky and a key to the members of the genus. (Chilopoda: Lithobiomorpha: Lithobiidae: Ethopolyinae). Canad. Ent. 85:119-120. Mar.1953. 421 C16

56175 DENIS, J. Quelques araignées de l'Ile de Cabrera et remarques sur la faune des Baléares. Inst. Roy. des Sci. Nat. de Belg. B. 28(25),4 p. Ref. Mar.1952. 504 B835B

56176 DURAND, L., HARRANGER, J., and ROBERT, P. Le tarsonème du fraisier Tarsonemus pallidus Banks (acarien) en Lorraine. Acad. d'Agr. de France. Compt. Rend. 39:72-74. Jan.14/21,1953. 14 P215Bc

56177 EICHLER, W. Grenzfälle der parasitendifferenzierung. IV. Monatsh. f. Vetmed. 8:77-79. Feb.15,1953. 41.8 M742
Ixodes.

56178 EVANS, G. O. On a collection of Acari from Kilimanjaro (Tanganyika). Ann. & Mag. Nat. Hist. (ser. 12)6:258-281. Apr.1953. 410 An77
Includes new species in Oppia, Scutovertex, Oribatula, Protoribates, Africoribates n.g., Bdella, Balaustium, Sphaerolophus and Erythraeus.

56179 FEIO, J. L. DE A. Uma curiosa migalomorfa arborícola—"Paracenobiopelma gerecormophila" g. n., sp. n. (Araneae, Barychelidae) [A remarkable arboreal Mygalomorpha "Paracenobiopelma gerecormophila" g.n., sp. n. (Araneae, Barychelidae)]. Mus. Nac. B. Nova Sér. Zool. 113,23 p. Aug.30,1952. 516 R47Bz
Text in Portuguese and English.

56180 GOODNIGHT, C. J., and GOODNIGHT, M. L. The opilionid fauna of Chiapas, Mexico, and adjacent areas (Arachnoidea, Opiliones). Amer. Mus. Novitates 1610,81 p. Ref. Feb.25,1953. 500 N483N
Includes new species in Cynortina, Paramitraceras, Phalangodinus, Stygnomma, Cynorta, Paecilaema, Vonones, Geaya and Metopilio.

56181 GREENBERG, B. New Labidostommidae with keys to the New World species (Acarina). N. Y. Ent. Soc. J. 60:194-209. Dec.1952. 420 N48J
New species in Labidostomma and Eunicolina.

56182 HAMILTON, C. C. Control of spider mite on evergreens. N. J. Farm Forestry & Christmas Tree Growers' Assoc. B. 7:11-12. Apr.1,1953. 99.9 N422
Tetranychidae.

56183 HAMMER, M. The oribatid and Collembola fauna in some soil samples from Søndre Strømfjord. Ent. Meddel. 26:404-414. Ref. 1952. 421 En82

56184 HANSON, H. Life histories, populations, and distribution of millipeds. Urbana,1952. 10 p. 433 H192
Abstract of thesis - University of Illinois.

56185 HEY, G. L., and CLARK, P. G. Fruit tree red spider [Tetranychidae] control. Com. Grower 2986: 580-584. Mar.19,1953. 80 F941

56186 HINTZ, H. W. Laboratory tests of acaricides on eggs of European red mite [Metatetranychus ulmi]. J. Econ. Ent. 46:112-115. Feb.1953. 421 J822

56187 HUTSON, R. The control of mites. Mich. State Hort. Soc. Proc. 82:48-49. 1952,pub.1953. 81 M58
On fruit trees.

56188 JEPPSON, L. R., JESSER, M. J., and COMPLIN, J. O. Timing of treatments for control of citrus red mite [Metatetranychus citri] on orange trees in coastal districts of California. J. Econ. Ent. 46:10-14. Feb.1953. 421 J822

56189 JOLLY, D. W., and others. The use of the newer insecticides for the control of the sheep tick, Ixodes ricinus. Vet. Rec. 65:131-137. Feb.28,1953. 41.8 V641
L. C. Stones, K. W. Page, and G. C. Brander, joint authors.

56190 KIRBY, A. H. M., and TEW, R. P. Toxicity of chlorinated phenyl benzenesulphonates to winter eggs of the fruit tree red spider mite, Metatetranychus ulmi (Koch). Nature [London] 171:479-480. Mar.14,1953. 472 N21

56191 KOBULEI, T. Sarcoptes-studien. I. Anatomie des fuchs-Sarcoptes. (In Russian.) Acta Vet. 3:1-34. 1953. 41.8 Ac83
German summary.

56192 LANGE, W. H. Aceria parthenii Keifer, a new eriophyid mite injurious to guayule. J. Econ. Ent. 46:162-163. Feb.1953. 421 J822

56193 LAWRENCE, R. F. Two new scale-mite parasites of lizards. U. S. Natl. Mus. Proc. 103:9-18. 1953. 500 Sm65P
In Geckobia.

56194 LERMA, B. DE. Allometric development of secondary sexual characteristics in Phalangium opilio L. (In Italian.) Napoli. U. Ist. e Mus. di Zool. Annu. 4(7),7 p. Apr.1952. 410.9 N1622
English summary.

56195 LERMA, B. DE. Opiliones of the Matese. (In Italian.) B. di Zool. 19:65-67. Jan./June 1952. 410 B63
Includes new species in Dasylobus.

56196 LERMA, B. DE. Zoological research on the Pollino Massif (Lucania-Calabria). IV. Opiliones. (In Italian.) Napoli. U. Ist. e Mus. di Zool. Annu. 4(5),13 p. Mar.1952. 410.9 N1622
English summary.
Includes new species in Parazacheus n. g. and Metaplatybunus.

56197 LIENK, S. E., and CHAPMAN, P. J. Mites and apple yields. N. Y. State Hort. Soc. Proc. 98:70-73. 1953. 81 N484

56198 MANGLITZ, G. R., and CORY, E. N. Biology and control of Brevipalpus australis. J. Econ. Ent. 46: 116-119. Feb.1953. 421 J822

56199 MASEROLI, E. N. Vasates destructor, serious menance in tomato cultivation. (In Italian.) Avvenire Agr. 61:71. Mar.1953. 16 Av9

56200 MAXWELL, T. J. Bee-keeping under the microscope. 20-21. Brit. Bee J. 81:146,148,170. Mar.5-12, 1953. 424.8 B77
Description of Acarapis woodi.

56201 MILLER, L. W. Laboratory observations on the biology of the European red mite, Paratetranychus pilosus [i. e. Metatetranychus ulmi] (C. & F.) in Tasmania. Tasmanian J. Agr. 24:20-30. Ref. Feb.1,1953. 23 T182T

56202 MITCHELL, R. D. A new species of Lundbladia and remarks on the family Hydryphantidae (water mites). Amer. Midland Nat. 49:159-170. Ref. Jan.1953. 410 M58

56203 MÜNCHBERG, P. Über fortpflanzung, lebensweise und körperbau von Arrenurus planus Marsh., zugleich ein weiterer beitrag zur ökologie und morphologie der im arctogäischen raum eine libellenparasitische larvenphase aufweisenden Arrenuri (Ordnung: Hydracarina). Zool. Jahrb. Abt. f. System. Okol. u. Geog. der Tiere 81:27-46. Ref. Mar.31,1952. 410 Z751S

56204 NØRGAARD, E. The habitats of the Danish species of Pirata. Ent. Meddel. 26:415-423. 1952. 421 En82

56205 RAMBIER, A. Une acariose [Vasates destructor] de la tomate, nouvelle pour la France. Acad. d'Agr. de France. Compt. Rend. 39:69-72. Jan.14/21,1953. 14 P215Bc

56206 READ, W. H. Some observations on the control of the glasshouse red spider [Tetranychidae]. Tomato & Cucumber Mktg. Bd. J. 2(4):11-12,14-15. Apr.1953. 380.3919 T591

56207 ROESLER, R. Die bohnenspinnmilbe [Tetranychus telarius] an reben. Deut. Weinbau 8:108. Mar.5, 1953. 390.8 W432

56208 SAVORY, T. H. The spider's web. London, Warne,1952. 154 p. Ref. (The Wayside and Woodland Series) 434 Sa9Sp

56209 SCHENK, P. J. Control of gall mites on raspberries and hazelnut trees. (In Dutch.) Groenten en Fruit 8:627. Feb.19,1953. 80 G89

56210 SCHUBART, O. A diplopod (Calymmodesmus sodalis n. sp.), companion of migrating ants (Proterospermophora, Stylodesmidae). (In Portuguese.) Acad. Bras. de Cien. An. 24:437-442. Jan.1952. 516 R473A
German summary.

56211 SCHUDER, D. L. The maple bladder gall and its control. Arborist's News 18:29-31. Apr.1953. 99.8 Ar14
Caused by Vasates quadripes.

56212 SCOTT, F. D. Parathion smokes or aerosols? Tomato & Cucumber Mktg. Bd. J. 2(4):20-22. Apr.1953. 380.3919 T591
Control of Tetranychidae.

56213 THOMPSON, W. L. The rust mite [Phyllocoptruta oleivora]. Citrus Mag.15(8):19-21. Apr.1953. 80 C498

56214 TRAGARDH, I. Acarina, collected by the Mangarevan Expedition to South Eastern Polynesia in 1934 by the Bernice P. Bishop Museum, Honolulu, Hawaii. Mesostigmata. Arkiv f. Zool. (n.s.)4:45-90. Ref.1952. 410.9 Sv22
Includes new genera Heteroiphis, Neogamasiphis, Areolaspis, Labyrinthuropoda, Trigonuropoda, Styluropoda, Austrodinychus; new species in Epicrosejus, Cosmolaelaps, Stratiolaelaps, Eutrachytes, and Trachyuropoda.

56215 TUNBLAD, B. Further experiments with spider mite preparations. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 5/6:82-84. Dec.1952. 464.9 Sw3V

56216 TUNBLAD, B. New experiments in the control of red spider. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 4:49-51. Sept.1952. 464.9 Sw3V
Tetranychidae.

56217 TUXEN, S. L. Die jugendstadien der nordischen Camisiiden (Acar. Orib.). Und. etwas über die systematik der erwachsenen. I. Die gattungen Nothrus, Platynothrus und Heminothrus. Ent. Meddel. 26:392-403. 1952. 421 En82

COLEOPTERA

56218 ATKINSON, D. J. New species of Plocaederus (Col., Cerambycidae) from Africa. Ann. & Mag. Nat. Hist. (ser.12)6:223-227. Mar.1953. 410 An77

56219 AUERSCH, O. Der goldafter (Euproctis chrysorrhoea L) und seine bekämpfung. Deut. Landwirt. 4:82-84. Feb.1953. 18 D4822

56220 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. The breeding of Anobium. Preliminary observations on oviposition, by A. Rosel. South Melbourne,1952. 8 p. (Its Project P. 19, Sub-Project P. 19-2, Progress Report No. 1) 427 Au73

56221 BASILEWSKY, P. Descriptions de deux Carabiques nouveaux du Mozambique (Col. Carabidae). Soc. Ent. de Belg. B. & Ann. 88:227-233. Oct.28,1952. 420 B41
New species in Corintascaris n. gen. and Poecilothais.

56222 BERAN, F. Auftreten und bekämpfung des kartoffelkäfers [Leptinotarsa decemlineata] in Österreich im jahre 1952. Pflanzenschutzberichte 10:52-61. Mar. 1953. 464.9 P48
English summary.

56223 BERDENNIKOVA, S. P. Use of benzene hexachloride for control of wireworms in flower culture. (In Russian.) Moscow. Glav. Bot. Sad. B. 12:91-97. Ref. 1952. 451 M854

56224 BERNARD, J. Découverte de galles de Gymnetron hispidum Brullé en Ardennes. Soc. Ent. de Belg. B. & Ann. 88:225. Oct.28,1952. 420 B41

56225 BLAKE, G. H., and EDEN, W. G. Control of vetch bruchid [Bruchus brachialis] in Alabama. Ala. Agr. Expt. Sta. L. 36,3 p. Feb.1953. 100 AL1S

56226 BOHM, F. Sieben wochen für den kartoffelkäfer [Leptinotarsa decemlineata]. Deut. Landwirt.-Gesell. Mitt. 68:287. Mar.19,1953. 18 N39

56227 BRUCE, N. Coleoptera Cryptophagidae aus dem Congo-gebiet in Musée Royal du Congo Belge (Tervuren, Belgien). Rev. de Zool. et de Bot. Africaines 46: 386-395. Ref. Dec.24,1952. 410 R326
Includes new species in Hapalips, Henoticus, and Micrambe.

56228 BURRAGE, R. H., and GYRISCO, G. G. Control of European chafer [Amphimallon majalis] damage in pasture sod. II. J. Econ. Ent. 46:142-146. Feb.1953. 421 J822

56229 CAMERON, M. New Staphylinidae from the Belgian Congo. Rev. de Zool. et de Bot. Africaines 46: 323-332. Dec.24,1952. 410 R326
New species in Planeustomus, Mimogonus, Trogophloeus, Pinophilus, Astrenus,Scopaeus, Stilicus, Diochus, Philonthus, Conosoma, Demera, Termitusa, and Gyrophaena.

56230 CAMERON, M. L. Behaviour of cytoplasmic constituents during spermatogenesis in Tenebrio. (Abs.) Nova Scotian Inst. Sci. Proc. 23:113. 1950/51,pub.Mar. 1953. 517 H13

56231 CHANDLER, S. Curbing the plum curculio [Conotrachelus nenuphar]. Kans. State Hort. Soc. Bien. Rpt. 51:28-42. 1952. 81 K13
Includes control tests of peach in Illinois.

56232 CHAUVIN, R. Nouvelles recherches sur les substances qui attirent le doryphore (L[eptinotarsa] decemlineata Say) vers la pomme de terre. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3: 303-308. July/Sept.1952. 464.9 F84An

56233 CHEN, C. B., WONG, S. S., and HUNG, S. S. Tests of the reproduction of the thirteen spotted lady bird beetle [Synonycha grandis Thunberg] and its release for the control of the sugar cane woolly aphis [Oregma lanigera Zehntner]. (In Chinese.) J. Sugarcane Res. 6: 217-226. Oct.1952. 65.8 J822
English summary.

56234 CORT, J. L. P. A burying beetle. Birds & Country Mag. 6(27):17-18. Spring 1953. 413.8 B535
Necrophorus.

56235 DARLINGTON, P. J. A new Bembidion (Carabidae) of zoogeographic interest from the Southwest Pacific. Coleopterists' B. 7:12-16. Apr.1953. 421 C674

56236 DEAN, H. A. Long-horned beetles that attack citrus in the Lower Rio Grande Valley of Texas. J. Econ. Ent. 46:174. Feb.1953. 421 J822

56237 DELMAS, H. G., and THERMES, R. Essais de lutte chimique contre le capnode [Capnodis tenebrionis] adulte. Acad. d'Agr. de France. Compt. Rend. 39:151-153. Jan.28/Feb.4,1953. 14 P215Bc

56238 DON'T overlook the powder-post beetle menace. I. Pest Control 21(4):35-36,38. Apr.1953. 449.8 Ex8
Lyctidae, Anobiidae and Bostrichidae.

56239 DOSSE, G. Zur biologie und morphologie des schwarzen triebrüsslers Ceuthorrhynchus picitarsis Gyll., mit differentialdiagnostischen angaben zur unterscheidung der larven von Ceuthorrhynchus napi Gyll., C. quadridens Panz. und C. picitarsis Gyll. Z. f. Angew. Ent. 34:303-312. Ref. Dec.1952. 421 Z36

56240 EDEN, W. G., and ARANT, F. S. Control of corn rootworm [Diabrotica longicornis] in corn. Ala. Agr. Expt. Sta. L. 34,3 p. Jan.1953. 100 AL1S

56241 EMDEN, F. I. VAN. The larvae of Dendezia and Figulus, with notes on some other larvae of Lucanidae. Rev. de Zool. et de Bot. Africaines 46:301-310. Dec.24,1952. 410 R326

56242 ESPAÑOL C., F. Misiones saharianas de l'Institut Scientifique Chérifien (1950-1951). Col. Tenebrionidae. Soc. des Sci. Nat. du Maroc. B. 31:287-312. Second Semes.1951,pub.1952. 515 So1
Includes new species in Oxycara, Storthocnemis, Eurycaulus, and Amphithrix n. g.

56243 FARRAR, M. D., and ANDERSON, G. M. A new pest of blue lupine. J. Econ. Ent. 46:169-170. Feb.1953. 421 J822
Sitona explicita.

56244 FERON, M. Etat actuel des connaissances concernant la lutte contre le capnode (Capnodis tenebrionis L.). Cong. Pomol. de France. Sess. 83:183-192. 1952,pub.1953. 93.09 C7643
Includes discussion.

56245 FERRY, R. S. A note on Agapanthia villoso-viridescens Degeer. Ent. Rec. & J. Variation 65:92-93. Mar.1953. 421 En89

56246 FISHER, W. S. New cerambycid beetles belonging to the tribe Rhinotragini (Coleoptera). Pan-Pacific Ent. 29:14-17. Jan.1953. 421 P193
In Odontocera and Epimelitta (?)

56247 FONSECA, J. P. DA. Borers. (In Portuguese.) Lav. e Criação 7(45):36-38. Dec.1952. 49 L392
Coleoptera and Lepidoptera.

56248 FRANSSEN, C. J. H. Mode of life and control of the pea weevil [Sitona lineata]. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:72-79. Ref. Feb.1953. 12 N383M

56249 FRANZ, J. Laricobius erichsoni Rosenhauer (Col. Derodontidae), ein räuber an Chermesiden [Chermes piceae]. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:2-14. Ref. Jan.1953. 464.8 Z3
English summary.

56250 GILBERT, E. E. Sexual dimorphism and synonymy in Anthonomus (Anthonomorphus) (Coleoptera: Curculionidae). Pan-Pacific Ent. 29:41. Jan.1953. 421 P193

56251 GIVEN, B. B. General report on a search for parasites of Melolonthinae in Australia. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:322-340. Mar.1953. 514 N48B
Particularly control of Odontria zealandica.

56252 GRADWELL, G. R. Prey of Calosoma clathratus jansoni Kraatz (Col., Carabidae) in Sutherland. Ent. Mon. Mag. 89:78. Apr.1953. 421 En86
Lasiocampa quercus.

56253 GREEN, J. The beetles of a Cheshire farm. Ent. Mon. Mag. 89:81-86. Apr.1953. 421 En86

56254 GREEN, J. W. The Lycidae of the United States and Canada. V. Plateros (Coleoptera). Amer. Ent. Soc. Trans. 78:149-181. Sept./Dec.1952. 420 P53
Includes new species.

56255 GRIFFIN, J. A., and EDEN, W. G. Control of wireworms attacking sweet potatoes. Ala. Agr. Expt. Sta. L. 38,2 p. Mar.1953. 100 AL1S

56256 GROSCHKE, F. Der "schwarze nutzholzborkenkäfer," Xylosandrus germanus Blandf., ein neuer schädling in Deutschland. Z. f. Angew. Ent. 34:297-302. Dec.1952. 421 Z36

56257 GUIGNOT, F. Dytiscides et Gyrinides du Congo Belge. Remarques et descriptions. Rev. de Zool. et de Bot. Africaines 46:280-283. Dec.24,1952. 410 R326
Includes new species in Hydaticus and Orectogyrus.

56258 HAGET, A. Analyse expérimentale des facteurs de la morphogenèse embryonnaire chez le Coléoptère Leptinotarsa. Ann. Biol. 57:47-51. Ref. Jan./Feb.1953. 442.8 An7
Biological control of L. decemlineata.

56259 HALL, R. C. Pine weevil [Cylindrocopturus eatoni]. Amer. Forests 59(4):19,50. Apr.1953. 99.8 F762

56260 HANSEN, V. Changes in Danish Coleoptera fauna in recent times. (In Danish.) Ent. Meddel. 26:438-448. 1952. 421 En82

56261 HASTINGS, J. W., MCELROY, W. D., and COULOMBRE, J. Factors affecting the immobilization reaction in firefly luminescence. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):63. Mar.1953. 442.9 F31P

56262 HELFER, J. R. Two new Hippomelas (Coleoptera-Buprestidae). Pan-Pacific Ent. 29:34-36. Jan.1953. 421 P193

56263 HERRON, J. C. Biology of the sweet clover weevil [Sitona cylindricollis] and notes on the biology of the clover root curculio [S. hispidula]. Ohio J. Sci. 53: 105-112. Ref. Mar.1953. 410 Oh3

56264 HOFFMANN, A. A propos de Ceuthorrhynchus assimilis Payk. Rev. de Path. Vég. et d'Ent. Agr. de France 31:175-178. July/Sept.1952. 464.9 So1

56265 HOLLOWAY, J. K., and HUFFAKER, C. B. Establishment of a root borer and a gall fly for control of Klamath weed [Hypericum perforatum]. J. Econ. Ent. 46: 65-67. Feb.1953. 421 J822
Agrilus hyperici and Zeuxidiplosis giardi.

56266 HOWE, R. W. Oryzaephilus mercator (Fauv.) (Col., Cucujidae), a valid species. Ent. Mon. Mag. 89:96. Apr.1953. 421 En86

56267 HOWE, W. L. Control of rootworm [Diabrotica undecimpunctata howardi] in peanuts. South. Planter 114(4):18-19,45. Apr.1953. 6 So89

56268 HUTSON, R. The control of curculio, red-banded leaf roller [Argyrotaenia velutinana] and strawberry root weevil [Brachyrhinus ovatus]. Mich. State Hort. Soc. Proc. 82:74-80. 1952,pub.1953. 81 M58

56269 JOLIVET, P. Contribution à l'étude des Coléoptères Chrysomeloidea de la région indo-australienne. 3. Inst. Roy. des Sci. Nat. de Belg. B. 28(28),4 p. Mar.1952. 504 B835B
New species in Yulenia.

56270 JØRGENSEN, J. Biology of the alfalfa snout beetle (Otiorrhynchus ligustici L.) in Denmark. Denmark. Vet.- og Landbohøjsk. Årsskr. 1953:105-146. Ref. 104 D41A

56271 JOLIVET, P. Notes biométriques sur quelques Chrysomeloidea (Coleoptera). Inst. Roy. des Sci. Nat. de Belg. B. 28(44),8 p. July 1952. 504 B835B

56272 KAMP, H. J. Ein neuer holzschädling in Deutschland der "schwarze nutzholzborkenkäfer" [Xylosandrus germanus]. Holz-Zentbl. 79:242. Feb.21,1953. 99.81 H742

56273 KERSTING. An den rüsselkäfer denken! Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:581. Apr. 2,1953. 18 L2346
Curculionidae.

56274 KOCHER, L. Notes sur les Timarcha marocaines (Coléopt. Chrysomélides) contribution à l'étude systématique du genre. Soc. des Sci. Nat. du Maroc. B. 31:313-332. Second Semes.1951,pub.1952. 515 So1

56275 KRYGER, J. P., and SØNDERUP, H. P. S. Biological observations on 200 species of Danish Coleoptera larvae. III. (In Danish.) Ent. Meddel. 26:289-349. (Cont.) 1952. 421 En82

56276 LAUGHLIN, R. Absorption of water by the egg of the garden chafer, Phyllopertha horticola L. Nature [London] 171:577. Mar.28,1953. 472 N21

56277 LEEFMANS, S. The pear-tree borer [Agrilus sinuatus]. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:53-55. Jan.1953. 86 N384

56278 LEIBY, R. W. Heptachlor will help to control potato wireworms. Better Farming Methods 25(4):58-60. Apr.1953. 58.8 B46

56279 LEIBY, R. W. Potato wireworms can now be controlled. Guide Post 31(3):28,30. Mar.1953. 75.8 G94
Use of heptachlor and chlordane.

56280 LERMA, B. DE. On the presence of neurosecretory material in the pharyngeal bodies (corpora cardiaca) of the hydrophyle. (In Italian.) B. di Zool. 19:69-71. Jan./June 1952. 410 B63
Hydrous piceus.

56281 MCDERMOTT, F. A. Glow-worms in a marine littoral habitat in Jamaica (Coleoptera; Lampyridae). Ent. News [Philadelphia] 64:89-90. Apr.1953. 421 En88

56282 MARSHALL, SIR G. A. K. New Curculionidae (Col.) from Indo-China. Ent. Mon. Mag. 89:90-93. Apr. 1953. 421 En86
In Endaeus, Rhynchaenus, Euops, Pseudapries, Exodema and Coptodes n. g.

56283 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. DEPT. OF ENTOMOLOGY. Elm leaf beetle [Galerucella xanthomelaena]. Mass. U. Agr. Ext. Spec. C. 195,1 p. Apr.1952. 275.29 M38Isc

56284 MILLIRON, H. E. A European flea beetle injuring crucifers in North America. J. Econ. Ent. 46:179. Feb.1953. 421 J822
Phyllotreta columbiana identical with P. cruciferae.

56285 MUNGOMERY, R. W. Trends in BHC usage for grub control. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:124-125. Jan.1,1953. 65.9 Q3C

56286 NAKASHIMA, T. Ecological studies on Anomala-species (Scarabaeidae) in Hokkaido. (In Japanese.) Hokkaido U. Col. Agr. Col. Expt. Forests. Res. B. 16(1), 115 p. Ref. 1952. 99.9 H68
English summary.

56287 NAYAR, K. K. Zygaenodes sp., a remarkable beetle with stalked compound eyes. Cur. Sci. 22:48-49. Feb.1953. 475 Sci23

56288 NEPVEU, P. Sur la biologie du charançon des choux-fleurs (Rhytidoderes plicatus Ol.) et sur sa destruction dans les cultures du confluent Rhone-Durance. Acad. d'Agr. de France. Compt. Rend. 39:147-151. Jan.28/Feb.4,1953. 14 P215Bc

56289 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De behandeling van zaaizaad van granen en bieten ter bestrijding van ritnaaldenschade [Treatment of grain and beet seeds for the control of wireworms]. Netherlands. Plantenziektenk. Dienst. Ber. 1028,2 p. Feb.1953. 464.9 N38

56290 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. WAGENINGEN. The willow borer, Cryptorhynchus lapathi L. (In Dutch.) Netherlands. Plantenziektenk. Dienst. Vlugschr. 33,4 p. Jan.1953. 464.9 W12V

56291 OINES, A. Possibilities of controlling strawberry root weevil [Brachyrhinus ovatus] by the use of chlorodane in plant food. Mich. State Hort. Soc. Proc. 82: 73-74. 1952,pub.1953. 81 M58

56292 OLESEN, J. Control of wireworms and other soil pests. (In Danish.) Jydsk Landbr. 35:164-165. Mar. 5,1953. 11 J99

56293 PAPP, H. Morphologische und phylogenetische untersuchungen an Cicindela-arten. Unter besonderer berücksichtigung der ableitung der nearktischen formen. Osterr. Zool. Z. 3:494-533. 1952. 410 Os7

56294 PARENCIA, C. R., and EWING, K. P. Late-season control of boll weevil [Anthonomus grandis] and bollworm [Heliothis armigera] with sprays and dusts in 1950. J. Econ. Ent. 46:108-112. Feb.1953. 421 J822

56295 PARK, O. An European pselaphid beetle collected in New York. Nat. Hist. Misc. 117:1951-1953. Feb.27,1953. 500 C43Na
Trichonyx sulcicollis.

56296 PARK, O. A new genus [Lemelba] of Pselaphid beetles from the Everglades. Nat. Hist. Misc. 121,4 p. Apr.17,1953. 500 C43Na

56297 PEARCE, E. J. The rediscovery of Brachygluta cotus Saulcy (Col., Pselaphidae) in Great Britain. Ent. Mon. Mag. 89:94. Apr.1953. 421 En86

56298 PIC, M. Aderidae (Hylophilidae) de Saigon (Col.). Diversités Ent. 10:3-9. Feb.10,1952. 421 D64
Includes new species in Aderus, Syzton [i. e. Syzeton] and Escalerosia.

56299 PIC, M. Coléoptéres divers nouveaux ou peu connus—notes. Diversités Ent. 11:4-16. Apr.4,1952. 421 D64
Includes new species in Phytoecia, Mordella, Mordellistena, Falsoprogenia n. g., Cyaneolytta, Anthicus, Formicomus, Antelephilus, Spermophagus, Syagrus, Nerissus, Lamprobothris, Calleros, Mimaploglossa n. g., Curtoscirtes n. g., Scirtes, Calvarium, and Cyphon.

56300 PIC, M. Coléoptères du globe. Echange 69 (531):2-4. (Cont.) Feb.12,1953. 420 Ec4
Includes new subgenus and species in Bruchus; new species in Clorophorus, Cyriocrates, Macrosiagon, Ora, Xylobanus, Cautires.

56301 PIC, M. Contribution à l'étude des Pilemia Frm. (Longicornes). Diversités Ent. 11:1-3. Apr.4, 1952. 421 D64

56302 PIC, M. Contribution à l'étude du genre Eustrophinus Seidl. (Col. Melandryidae). Rev. de Zool. et de Bot. Africaines 46:311-318. Dec.24,1952. 410 R326

56303 PIC, M. Descriptions de Coléoptères nouveaux du Congo Belge. Soc. Ent. de Belg. B. & Ann. 88:254-272. Oct.28,1952. 420 B41
Includes new species in Casmena, Othnius, Anaspis, Tomoderus, Anthicus, Gonzalosia, Melyris, Sphinginopalpus, Lampyris, Diaphanes, and Luciola.

56304 PIC, M. Descriptions diverses, notes. Diversités Ent. 10:9-16. Feb.10,1952. 421 D64
Includes new species in Lycus, Mimogoueum n. gen., Tenesis, Dichotymus, Leptaleus, Endomia, Isolemidia, Coptoclerus, Stigmatium, Dasyceroclerus, and Ambatous n. g.

56305 PIC, M. Le variétisme de Cryptocephalus coryli L. Échange 69(531):1-2. Feb.12,1953. 420 Ec4

56306 PINDUR, W. Drahtwurmbekämpfung. Bauer 6(12):13-14. Mar.21,1953. 19 B32

56307 POOS, F. W., and BISSELL, T. L. The alfalfa weevil [Hypera postica] in Maryland. J. Econ. Ent. 46: 178-179. Feb.1953. 421 J822

56308 RATCLIFFE, F. A. G. The control of borer with Gammexane P. 520 (Agrocide). Indian Coffee 17:5-7. Jan.26,1953. 68.29 In23M

56309 RISBEC, J. Contribution à l'étude de Ceuthorrhynchus assimilis Payk., charançon des siliques du colza. Rev. de Path. Vég. et d'Ent. Agr. de France 31:137-174. July/Sept.1952. 464.9 So1

56310 RISBEC, J. Réponse aux observations faites par M. Hoffmann à propos de mes recherches sur le comportement du charançon du colza [Ceutorhyncus assimilis]. Rev. de Path. Vég. et d'Ent. Agr. de France 31:179-180. July/Sept.1952. 464.9 So1

56311 ROEHRICH, R. Sur le régime alimentaire des adultes de Cantharis obscura L., téléphore nuisible aux arbres fruitiers dans la région de Vic en Bigorre (Hautes Pyrénées). France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3:329-337. Ref. July/Sept. 1952. 464.9 F84An

56312 RUNGS, C. Un nouveau Cérambycide marocain [Plocaederus atlanticus]. Soc. Ent. de France. B. 57:146-147. Dec.1952. 420 F84B

56313 SANTUCCI, F. Tenebroides mauritanicus. (In Italian.) Tabacco 57:56-68. Ref. Feb.1953. 69.8 T115

56314 SCHEDL, K. E. Fauna Indo-Malayensis. III. Contribution 133 to the morphology and taxonomy of the Scolytoidea. Ann. & Mag. Nat. Hist. (ser.12)6:288-304. Apr.1953. 410 An77
Includes new species in Scolytomimus, Phloeochilus n.g., Hypothenemus, Ptilopodius, Cryphyophthorus n.g., Cryphalus, Dryocoetes, Ozopemon, Poecilips, Webbia, Arixyleborus, and Xyleborus.

56315 SCHEDL, K. E. Scolytoidea congolais. IV. Contribution 132 à la morphologie et à la systématique des Scolytoidea. Inst. Roy. des Sci. Nat. de Belg. B. 28 (32),12 p. Apr.1952. 504 B835B
Includes new species in Hapalogenius, Stephanoderes, Dryocoetes, and Xyleborus.

56316 SCHNEIDER, S. Versuche zur engerlingsbekämpfung im tabakanbau. Merck-Bl. 5,6 p. June 1952. 423.92 M54
Melolontha.

56317 SEIXAS, C. A. Considerations on the control of the coffee borer, Stephanoderes hampei. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 28(311):15-16. Jan.1953. 68.29 Sa63

56318 SELANDER, R. B. A new species of Calospasta from Utah (Coleoptera: Meloidae). Pan-Pacific Ent. 29: 47-48. Jan.1953. 421 P193

56319 SIMMONDS, H. W. On the present position regarding the Asiatic rhinoceros beetle [Oryctes rhinoceros] in Samoa. Fiji. Dept. Agr. Agr. J. 23(2):28-31. June 1952. 25 F47Ag

56320 SLEEPER, E. L. New genera and species of Curculionidae with a new species of Anthribidae (Coleoptera). Ohio J. Sci. 53:113-120. Ref. Mar.1953. 410 Oh3
New genera Dietzianus and Micromyrmex; new species in Stenocerus, Myrmex, Acalles and Rhyncolus.

56321 SNAPP, O. I. Aldrin and dieldrin as soil insecticides to control plum curculio [Conotrachelus nenuphar]. J. Econ. Ent. 46:180. Feb.1953. 421 J822

56322 SPILLER, D. Preliminary experiments on control of infestations of the common house borer Anobium punctatum de Geer. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:96. 1951,pub.1952. 90.09 R81R

56323 SUMMERS, T. E., and STAFFORD, E. W. Diabrotica undecimpunctata howardi parasitized by Celatoria diabroticae. J. Econ. Ent. 46:180. Feb.1953. 421 J822

56324 THALENHORST, W. Die borkenkäfer-katastrophe in Deutschland. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:15-19. Ref. Jan.1953. 464.8 Z3

56325 THEROND, J. Cinq Histérides inédits du Congo Belge. Rev. de Zool. et de Bot. Africaines 46:416-422. Dec.24,1952. 410 R326
New species in Platysoma and Platybletes n.g.

56326 TILDEN, J. W. Observations on the biology of Psoa maculata Leconte (Psoidae). Coleopterists' B. 7:9-12. Apr.1953. 421 C674

56327 TOMIĆ, D. Certaines observations concernant la propagation en masse des chrysomèlides, Phyllodecta vitellinae et Plagiodera versicolor, dans les environs de Beograd. (In Serbo-Croatian.) Sumarstvo 5:508-511. Nov./Dec.1952. 99.8 Su63
French summary.

56328 UHMANN, E. Amerikanische "Hispinae". IV. 139. beitrag zur kenntnis der Hispinae (Coleopt. Chrysom). Soc. Cubana de Hist. Nat. Felipe Poey. Mem. 21:161-172. Jan.1953. 410.9 So15
Includes new species in Anoplitis and Sceloenopla.

56329 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of insects affecting forest products and the development of control methods. Washington,1953? 1 p. 1.967 A2In82
Lyctus and termites.

56330 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of tree-killing bark beetles and their control. Washington,1953? 1 p. 1.967 A2In83

56331 VALENZA, F. Overhead irrigation and antiparasitic treatment with special reference to mountain areas and the control of the larvae of the wire-worm (Melolontha melolontha L.). (In Italian.) Cong. d'Irrig. a Pioggia della Montagna. Atti 1:311-318. 1951,pub.1952. 55.9 C7644

56332 VAURIE, P. The Gregorio Bondar types of South American weevils (Coleoptera, Curculionidae). Amer. Mus. Novitates 1615,39 p. Mar.21,1953. 500 N483Ni

56333 VERDIER, P. Description de deux expèces nouvelles de Nebria (Col. Nebriidae) du Haut-Atlas. Soc. des Sci. Nat. du Maroc. B. 31:273-275. Second Semes.1951,pub.1952. 515 So1

56334 WEGOREK, W. Observations on the occurence, degree of destruction and combating of flea-beetles on flax sown in various periods. (In Polish.) Rocz. Nauk Roln. 65:171-193. 1952. 20.5 R59
English summary.
Aphthona euphorbiae and Longitarsus parvulus.

56335 WHITTEN, R. R. Elm bark beetles [Scolytus multistriatus and Hylurgopinus rufipes]. U. S. D. A. L. 185,rev.,8 p. 1953. 1 Ag84L

56336 WITTMER, W. Beitrag zur kenntnis der indomalayischen Malacodermata. 12. Ann. & Mag. Nat. Hist. (ser.12)6:209-222. Mar.1953. 410 An77
Includes new species in Tylocerus, Pseudopachymesia, Carphurus, Paracarphurrus n.g., Laius, Dicranolaius and Luzonotroglops.

56337 YOUNG, F. N. A new Laccophilus from Florida, with notes on other species of the genus (Coleoptera: Dytiscidae). Fla. Ent. 36:31-34. Mar.1953. 420 F662

56338 YOUNG, F. N. The types of Hydradephaga in the W. S. Blatchley collection, with generic reassignments and synonymies (Coleoptera: Noteridae, Dytiscidae, Gyrinidae, Haliplidae). Canad. Ent. 85:113-119. Ref. Mar.1953. 421 C16

DIPTERA

56339 ALBUQUERQUE, D. DE O. Sôbre alguns gêneros metálicos de Phaoninae neotropicais e descrição de uma Xenomorellia nova (Diptera: Muscidae) [Some metallic genera of neotropical Phaoninae and description of a new Xenomorellia (Diptera: Muscidae)]. Mus. Nac. B. Nova Sér. Zool. 116,21 p. Ref. Sept.30,1952. 516 R47Bz

56340 ALEXANDER, C. P. New or little-known Tipulidae (Diptera). XCIV. Oriental-Australasian species. Ann. & Mag. Nat. Hist. (ser.12)6:174-192. Mar.1953. 410 An77
New species in Tipula, Lechria, Antocha, Paradelphomyia, Phyllolabis, Epiphragma, Clydonodozus, Erioptera, Molophilus and Toxorhina.

56341 ALEXANDER, C. P. Records and descriptions of neotropical crane-flies (Tipulidae, Diptera). XXVI. N. Y. Ent. Soc. J. 60:245-254. Dec.1952. 420 N48J
Includes new species in Hexatoma, Teucholabis, and Molophilus.

56342 ALEXANDER, C. P. Undescribed species of Nematocerous Diptera. II. Brooklyn Ent. Soc. B. 48:41-49. Apr.1953. 420 B79
In Horaiella, Blepharocera and Paltostoma.

56343 ANCHEL, M. Characterization of drosophilin C as a polyacetylene. Arch. Biochem. & Biophys. 43: 127-135. Ref. Mar.1953. 381 Ar2
From Drosophila subatrata.

56344 BAER, J. G. Notes de faunistique éburnéenne. III. Contribution à l'étude morphologique et biologique de Wandolleckia achatinae Cook, Phoride (Diptera) commensal d'achatines de la forêt tropicale. Acta Trop. 10:73-79. Ref. 1953. 475 Ac8

56345 BAILEY, H. Treatment of beet seed to control sugar beet maggots. Crystal-ized Facts Sugar Beets 7 (2):19-20. Spring 1953. 66.8 C88
Tetanops myopaeformis.

56346 BAKER, W. K., and VON HALLE, E. S. The basis of the oxygen effect on X-irradiated Drosophila sperm. Natl. Acad. Sci. Proc. 39:152-161. Ref. Mar. 1953. 500 N21P

56347 BENOIT, P. L. G. Une anomalie de nervation alaire chez Glossina palpalis Rob.-Desv. Rev. de Zool. et de Bot. Africaines 46:293-294. Dec.24,1952. 410 R326

56348 BERNARD, J. Crataerina pallida Latr. (Dipt. Hippoboscidae) dans une caserne à Liège. Soc. Ent. de Belg. B. & Ann. 88:226. Oct.28,1952. 420 B41

56349 BEZEM, J. J., and SOBELS, F. H. Penetrance and expressivity in the genotype abnormal abdomen of Drosophila melanogaster. Nederland. Akad. van Wetensch. Proc. Ser. C. Biol. & Med. Sci. 56:48-61. Ref. Jan./Feb.1953. 442.9 Am8

56350 BLANTON, F. S. The results of several years collecting parasitic flies (Diptera, Tachinidae). N. Y. Ent. Soc. J. 60:225-235. Dec.1952. 420 N48J

56351 BORCHERT, A. Die dasselfliegen [Hypoderma bovis] des rindes. Monatsh. f. Vetmed. 8:73-77. Ref. (Concl.) Feb.15,1953. 41.8 M742

56352 BORG, Å. Crane fly [Tipula paludosa] maggot attacks 1952. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 5/6:85-92. Dec.1952. 464.9 Sw3V

56353 BOYES, J. W., and WILKES, A. Somatic chromosomes of higher Diptera. I. Differentiation of tachinid parasites. Canad. J. Zool. 31:125-165. Ref. Apr.1953. 470 C16B

56354 BRINDLE, A. Diptera of the Pendle Hill area. II. Tipulidae, Trichoceridae, Anisopodidae and Ptychopteridae. No. West. Nat. (n.s.)1:55-65. Mar.1953.

56355 BRUNDIN, L. Zur kenntnis der taxonomie und metamorphose der chironomidengattungen Protanypus Kieff., Prodiamesa Kieff. und Monodiamesa Kieff. Sweden. Undersökn.- och Försöksanst. f. Sötvattensfisket. Meddel. 33:39-53. Ref. 1952. 414.9 Sw3

56356 BUCKLEY, M. E. How Hudson Valley growers have controlled apple maggot [Rhagoletis pomonella]—and paid the bill. N. Y. State Hort. Soc. Proc. 98:60-65. 1953. 81 N484

56357 BUZZATI-TRAVERSO, A. A. Identification of recessive gene heterozygotes by means of paper-partition chromatography. Nature [London] 171:575-576. Mar.28,1953. 472 N21
In Drosophila melanogaster.

56358 CAÑIZO, J. DEL. La mosca de las frutas [Ceratitis capitata]. Spain. Min. de Agr. Hojas Divulg. 24-52H,12 p. Dec.1952. 15 H68

56359 CARROLL, J. Eelworm and insect pests. VIII. Midges. Agr. Ireland 10:91,93-94. Apr.1953. 10.5 Ag8

56360 CARSON, H. L. The effects of inversions on crossing over in Drosophila robusta. Genetics 38:168-186. Ref. Mar.1953. 442.8 G28

56361 CUFF, R. L. Workable livestock fly control. Chem. Spec. Mfr. Assoc. Proc. 39:112-113. 1952. 307.9 C42

56362 CUSHING, C. D. The fly—1953 model. Restaurant B. 17(193):10-12. Mar.1953. 389.8 R312
Control.

56363 DEAN, R. W. Results of research on apple maggot [Rhagoletis pomonella] in the Hudson Valley, 1952. N. Y. State Hort. Soc. Proc. 98:181-185. 1953. 81 N484

56364 DELANOUE, P., and SOURÈS, B. Contribution à l'étude biologique de la mouche méditerranéenne des fruits (Ceratitis capitata) Wied. Acad. d'Agr. de France. Compt. Rend. 39:63-66. Jan.14/21,1953. 14 P215Bc

56365 DICKE, R. J., MOORE, G. D., and HILSENHOFF, W. L. House fly response to volatilized chlorinated hydrocarbon insecticides. Table 1. J. Econ. Ent. 46:184. Feb.1953. 421 J822
Correction: omission, page 724, vol. 45, August 1952.

56366 DIETZ, R. A. Field notes on Neorhynchocephalus sackenii (Williston) in Missouri. Brooklyn Ent. Soc. B. 48:38-39. Apr.1953. 420 B79

56367 DOBZHANSKY, T., and WALLACE, B. The genetics of homeostasis in Drosophila. Natl. Acad. Sci. Proc. 39:162-171. Ref. Mar.1953. 500 N21P

56368 ELLERTSON, F. E. Cherry fruit fly [Rhagoletis cingulata] control in the Dalles. Oreg. State Hort. Soc. Proc. 67:94. 1952. 81 Or32

56369 ENIGK, K. Die dasselbekämpfung. Deut. Landwirt. Presse 76:73-74. Mar.21,1953. 18 D482
Hypoderma.

56370 ERGANIAN, G. K. Effects of community-wide installation of household garbage-grinders on environmental sanitation. Washington,Fed. Security Agency, Pub. Health Serv.,Div. of Sanit. of the Bur. of State Serv., 1952. 41 p. (U.S. Public Health Service. Public Health Service Publication 224) 151.66 Er3
Fly densities, p. 28-31.

56371 FARID, M. A. Las moscas y el control de los insectos. Rev. Ganad. [San Salvador] 11(150):25-28. Jan./Feb.1953. 8 R3292

56372 FARR, T. H. A note on the swarming habits of Ogcodes dispar (Macq.). Brooklyn Ent. Soc. B. 48:39-40. Apr.1953. 420 B79

56373 FARRAR, M. D., and BRANNON, C. C. Fly control on dairy farms. J. Econ. Ent. 46:172. Feb.1953. 421 J822

56374 FJELDDALEN, J., and DAVIKNES, T. Experiments with recent insecticides against the carrot rust fly [Psilae rosae] and the carrot psyllid [Trioza apicalis]. (In Norwegian.) Gartneryrket 43:163-168. Feb 28,1953. 80 G1938

56375 FLESCHNER, C. A., and RICKER, D. W. An empidid fly predaceous on citrus red mites. J. Econ. Ent. 46:155. Feb.1953. 421 J822
Drapetis micropyga predators on Metatetranychus citri.

56376 FOX, A. S., and WHITE, T. B. Immunogenetic studies of Drosophila melanogaster. III. Further evidence of genic interaction in the determination of antigenic specificity. Genetics 38:152-167. Ref. Mar.1953. 442.8 G28
With addendum by P. Finkelstein and A. S. Fox.

56377 FRANZ, H. Bemerkenswerte in den Nordostalpen gemachte Dipterenfunde. Wien. Ent. Gesell. Z. 37:38-43. Sept.30,1952. 421 Os7

56378 FREDEEN, F. J. H., ARNASON, A. P., and BERCK, B. Adsorption of DDT on suspended solids in river water and its role in black-fly [Simulium arcticum] control. Nature [London] 171:700-701. Apr.18,1953. 472 N21

56379 FREZAL, P. État actuel de la lutte contre la Cératite (Ceratitis capitata Wied.). Cong. Pomol. de France. Sess. 83:49-80. Ref. 1952,pub.1953. 93.09 C7643

56380 FRINGS, H., and FRINGS, M. Dog biscuit as a larval medium for Sarcophaga bullata. J. Econ. Ent. 46: 183. Feb.1953. 421 J822

56381 GÄBLER, H. Die tachine Carcelia processioneae Rtzbg. als parasit des kiefernprozessionsspinners Cnethocampa [i.e. Thaumetopoea] pinivora Tr. Z. f. Angew. Ent. 34:294-296. Dec.1952. 421 Z36

56382 GILBERT, I. H., COUCH, M. D., and MCDUFFIE, W. C. Development of resistance to insecticides in natural populations of house flies. J. Econ. Ent. 46:48-50. Feb.1953. 421 J822

56383 GLASS, E. H. Apple maggot [Rhagoletis pomonella] control for western New York. N. Y. State Hort. Soc. Proc. 98:65-70. 1953. 81 N484
Includes discussion.

56384 GOETGHEBUER, M. Le genre Culicoides (Dipteres, Ceratopogonides) et ses representants en Belgique. Biol. Jaarb. 19:185-191. 1952. 410 B52

56385 GOLDSCHMIDT, R. B. Heredity within a sex-controlled structure of Drosophila [melanogaster]. J. Expt. Zool. 122:53-95. Ref. Feb.1953. 410 J825

56386 GOULDING, R. L., CURRAN, R. F., and LABRECQUE, G. C. Insecticides for control of salt-marsh sand flies in Florida. J. Econ. Ent. 46:37-43. Feb.1953. 421 J822
Chiefly Culicoides furens.

56387 GREGOIRE, C. Oú en est le probléme du varron? Sillon Belge 23(552):1,4; (554):20. Mar.21,Apr. 4,1953. 13 Si3

56388 GUILLEMAIN, A. Découverte et localisation d'un gène empêchant la multiplication du virus de la sensibilité héréditaire au CO_2 chez Drosophila melanogaster. Acad. des Sci. Compt. Rend. 236:1085-1086. Mar.9,1953. 505 P21

56389 GUTTFELD, S. P. The control of flies on and near manure heaps. (In Hebrew.) Hassadeh 33:243. Jan. 1952. 26 H27

56390 HADJINICOLAOU, J., and HANSENS, E. J. Chlorinated hydrocarbon insecticides to control house fly larvae. J. Econ. Ent. 46:34-37. Feb.1953. 421 J822

56391 HARDY, G. H. The evolution of antennae in the Diptera. Ent. Mon. Mag. 89:79-80. Apr.1953. 421 En86

56392 HARRISON, R. A. The ability of the housefly Musca domestica to produce strains resistant to D.D.T. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:96-97. 1951,pub. 1952. 90.09 R81R

56393 HILDEBRAND, C. W. Morphological and ecological observations on the larvae of Therevidae (Diptera). Wasmann J. Biol. 10:355-357. Fall 1952. 442.8 W28

56394 HOWELL, D. E. Fly control in Oklahoma. Okla. Agr. Expt. Sta. B. B-385,18 p. Sept.1952. 100 Ok4

56395 HUTSON, R. Apple maggot [Rhagoletis pomonella] and its control. Mich. State Hort. Soc. Proc. 82: 45-48. 1952,pub.1953. 81 M58

56396 JAMES, M. T. The Stratiomyidae (Diptera) of Bimini, British West Indies. Amer. Mus. Novitates 1613,6 p. Mar.21,1953. 500 N483N
Includes new species in Euryneurasoma, Eulalia and Pachygaster.

56397 JANZER, W., and LUDWIG, W. Versuche zur evolutorischen entstehung der höhlentiermerkmale. Z. f. Induktive Abstam.- u. Vererbungslehre 84:462-479. Ref. 1953. 442.8 Z34
Includes Drosophila melanogaster.

56398 JAYEWICKREME, S. H. Nocturnal mating in Taeniorhynchus (Mansonioides) uniformis (Theobald). Nature [London] 171:577. Mar.28,1953. 472 N21

56399 JONES, S. C. Cherry fruit fly [Rhagoletis cingulata] research in Oregon. Oreg. State Hort. Soc. Proc. 67:93-94. 1952. 81 Or32

56400 KÄFER, E. Vitalitätsmutationen, ausgelöst durch röntgenstrahlen bei Drosophila melanogaster. Z. f. Induktive Abstam.- u. Vererbungslehre 84:508-535. Ref. 1953. 442.8 Z34

56401 KAISER, W. Beitrag zur bekampfung der zwiebelfliege [Hylemya antiqua]. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:78-83. Ref. Feb. 1953. 464.8 Z3
English summary.

56402 KARLSON, P., and HANSER, G. Bildungsort und erfolgsorgan des puparisierungshormons der fliegen. Z. f. Natforsch. 8b:91-96. Feb.1953. 474 Z3
Calliphora erythrocephala.

56403 KEIDING, J. Control of flies in barns. (In Danish.) (Sum.) Tolvmandsbladet 25:97-98,103. Apr. 1953. 11 T58

56404 KESSEL, E. L. Rediscovery of Snow's two species of Protoclythia (Diptera: Clythiidae). Wasmann J. Biol. 10:359-361. Fall 1952. 442.8 W28

56405 KHALAF, K. T. Culicoides spinosus in Oklahoma (Diptera: Heleidae). Pan-Pacific Ent. 29:46-47. Jan. 1953. 421 P193

56406 KNIPE, F. W., and FRINGS, H. Oviposition by house flies. J. Econ. Ent. 46:155-156. Feb.1953. 421 J822

56407 KNUTSON, H. Susceptibility of a normal and an inbred strain of Drosophila melanogaster to dieldrin, toxaphene, DDT, and methoxychlor. J. Econ. Ent. 46:137-141. Ref. Feb.1953. 421 J822

56408 KUHL, R. Der stand der dasselfliegenbekämpfung. (Sum.) Angew. Chem. 65:116. Feb.21,1953. 384 Z33
Hypoderma.

56409 LINDNER, E. Aethiopische Stratiomyiiden (Dipt.). III. Rev. de Zool. et de Bot. Africaines 46:333-344. Dec.24,1952. 410 R326
New genera Prosoposargus, Dischizocera, Zulumyia, and Pachyacantha; new species in Hoplodonta, Nemotelus, and Hypoceromys.

56410 LINDSAY, D. R., STEWART, W. H., and WATT, J. Effect of fly control on diarrheal disease in an area of moderate morbidity. Pub. Health Rpt. 68:361-367. Apr. 1953. 151.65 P96

56411 LUNING, K. G. Studies on the origin of apparent gene mutations in Drosophila melanogaster. Acta Zool. 3:193-207. Ref. 1952. 410 Ac8

56412 MARTIN, C. H. Intraspecific variation of taxonomic characters in Coleomyia and two new species. (Diptera: Asilidae). Pan-Pacific Ent. 29:25-34. Jan. 1953. 421 P193

56413 MICKS, D. W., and CALMA, V. C. Nasal myiasis of man due to the screwworm fly (Callitroga americana, C & P). Tex. Rpt. Biol. & Med. 10:855-865. Ref. Winter 1952. 448.8 T31

56414 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de aspergevlieg [Control of the asparagus fly]. Netherlands. Plantenziektenk. Dienst. Ber. 1023,1 p. Nov.22,1952. 464.9 N38
Platyparea poeciloptera.

56415 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de aspergevlieg [Control of the asparagus fly [Platyparea poeciloptera]. Netherlands. Plantenziektenk. Dienst. Ber. 1031,1 p. Mar.1953. 464.9 N38

56416 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van emelten [Control of leatherjackets [Tipulidae]. Netherlands. Plantenziektenk. st. Dienst. Ber. 1027,1 p. Feb.1953. 464.9 N38

56417 NISHIDA, T., and HARAMOTO, F. Immunity of Dacus cucurbitae to attack by certain parasites of Dacus dorsalis. J. Econ. Ent. 46:61-64. Ref. Feb.1953. 421 J822

56418 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Leatherjackets. North. Ireland. Min. Agr. L. 22,2 p. Mar.1953. 10 N81
Tipulidae.

56419 NORTON, R. J. Inheritance of DDT tolerance in the house fly [Musca domestica]. Boyce Thompson Inst. Contrib. 17:105-126. Ref. Jan./Mar.1953. 451 B69

56420 PARAMONOV, S. J. Notes on Australian Diptera IX-XII. Ann. & Mag. Nat. Hist. (ser.12)6:195-208. Mar.1953. 410 An77
On Tracheomyia macropi and Phellus.

56421 PARKER, W. B. The cherry fruit fly [Rhagoletis cingulata] control program in Eugene area. Oreg. State Hort. Soc. Proc. 67:95. 1952. 81 Or32

56422 PAUCK. Erfolgreiche bekämpfung der kohlfliege [Hylemya brassicae], möhrenfliege [Psila rosae] und zwiebelfliege [Hylemya antiqua]. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:632. Apr.9,1953. 18 L2346

56423 PFADT, R. E., PAULES, L. H., and DEFOLIART, G. R. Effect of the sheep ked [Melophagus ovinus] on weight gains of feeder lambs. J. Econ. Ent. 46:95-99. Feb.1953. 421 J822

56424 PHILLIPS, A. M. Processors' views on cherry fruit fly [Rhagoletis cingulata] control. Oreg. State Hort. Soc. Proc. 67:96. 1952. 81 Or32

56425 POSNETT, C. C. Cattle by-products. Guernsey Breeders' J. [London](n.s.)7:46-47. Spring 1953. 43.8 G932
Hide damage from Hypoderma and control methods.

56426 RASMUSON, M. Variation in bristle number of Drosophila melanogaster. Acta Zool. 3:277-307. Ref. 1952. 410 Ac8

56427 REINHARD, H. J. New muscoid Diptera from the western United States. Pan-Pacific Ent. 29:49-59. Jan.1953. 421 P193
In Euphyto, Eumacronychia, Fabriciella, Mericia, Zenillia, Meledonus and Erycia.

56428 RIQUELME INDA, J. En campaña contra la mosca prieta [Aleurocanthus woglumi]. Com. Mex. 11: 19-21. Feb.1953. 286.8 C73334

56429 RISBEC, J. Observations sur Dasyneura brassicae Winn. (Dipt. Cecidomyidae). Rev. de Path. Vég. et d'Ent. Agr. de France 31:195-198. July/Sept. 1952. 464.9 So1

56430 ROTH, A. R., LINDQUIST, A. W., and TERRIERE, L. C. Effect of temperature and the activity of house flies on their absorption of DDT. J. Econ. Ent. 46: 127-130. Feb.1953. 421 J822

56431 RYCKMAN, R. E., and AMES, C. T. Adoxomyia claripennis collected from wood rat nests in Arizona (Diptera: Stratiomyidae). Pan-Pacific Ent. 29:60. Jan. 1953. 421 P193

56432 RYCKMAN, R. E. Diptera reared from barn owl nests. Pan-Pacific Ent. 29:60. Jan.1953. 421 P193

56433 SAALTINK, G. J. Experiments on seed treatment against the seed-corn maggot, Delia (Chortophila) cilicrura Rond. (In Dutch.) Tijdschr. over Plantenziekten 59:33-34. Jan./Feb.1953. 464.8 T44
English summary.

56434 SABROSKY, C. W. A new North American species of Metopia (Diptera, Sarcophagidae). Brooklyn Ent. Soc. B. 48:50-53. Apr.1953. 420 B79

56435 SARA, M. Psychodidae of Romagna, with descriptions and critical notes on three new species of the genera Tinearia, Peripsychoda and Pericoma (Diptera). (In Italian.) Napoli. U. Ist. e Mus. di Zool. Annu. 4(9),13 p. July 1952. 410.9 N1622
English summary.

56436 SCHMITZ, H. Über W. Lundbecks sammlung und beschreibung Dänischer Phoriden. Ent. Meddel. 26: 350-379. Ref. 1952. 421 En82

56437 SCOTT, H. Diptera found indoors, winter season 1951-52. Ent. Mon. Mag. 89:87-88. Apr.1953. 421 En86

56438 SERGEANT, D. D. Evaluation of apple maggot [Rhagoletis pomonella] control in Dutchess County. N. Y. State Hort. Soc. Proc. 98:189-191. 1953. 81 N484

56439 SHERMAN, M. Effects of carbon dioxide on fruit flies in Hawaii. J. Econ. Ent. 46:15-19. Feb.1953. 421 J822
Dacus cucurbitae, D. Dorsalis and Ceratitis capitata.

56440 SIVERLY, R. E. Natural gas as a blowfly attractant. J. Econ. Ent. 46:156. Feb.1953. 421 J822

56441 SODERPALM, E. Can crane fly attacks be expected this year too? (In Swedish.) Alvsborgs Läns Norra Hushsällsk. Tidskr. 60:5-7. 1953. 11 AL82

56442 SPIRO, D. Ultrastructure of mitochondria from insect flight muscle. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):136-137. Mar.1953. 442.9 F31P
Of Phormia regina.

56443 STEYSKAL, G. C. Genus Pseudorichardia Hendel (Diptera, Otitidae). Bernice P. Bishop Mus. Occas. Papers 21:63-66. Oct.29,1952. 500 B45O
Includes a new species.

56444 TERRY, R. J. Some observations on Scatella silacea Loew (Ephydridae) in sewage filter beds. Leeds Philos. & Lit. Soc. Sci. Sect. Proc. 6:104-111. Dec.1952. 501 L51

56445 TROUILLON, L. L. Quelques observations sur la mouche des fruits en 1952. Phytoma 6(45):17-20. Feb. 1953. 464.8 P563
Trypetidae.

56446 TURK, K. L. Better farm sanitation best fly control procedure. Dairymen's League News 37(7):6-7. Mar.31,1953. 44.8 D1432
Dairy barn sanitation.

56447 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Requirements under Mexican fruit fly [Anastrepha ludens] regulations modified—sterilization of grapefruit required. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 601,1 p. Apr.8,1953. 1.9 F73

56448 VERBRUGGEN, A. A formidable enemy [Hylemya brassicae] of our cabbage growers. (In Flemish.) Cult. en Handel 19:196. Apr.1953. 80 C892

56449 VERGANI, A. R. La mosca del Mediterráneo Ceratitis capitata (Wied.). Argentina. Inst. de Sanid. Veg. [P.] Ser. B. 8(22):17. 1952. 464.9 Ar323P

56450 WIRTH, W. W., and BLANTON, F. S. Studies in Panama Culicoides (Diptera: Heleidae). I. Wash. Acad. Sci. J. 43:69-77. Mar.1953. 500 W276J
Includes new species.

56451 WORTMAN, B., and WAGNER, R. P. The nicotinic acid requirement of Drosophila melanogaster and its relationship to the brown eye pigment. Tex. J. Sci. 5: 34-37. Ref. Mar.30,1953. 470 T31

56452 WUNDSCH, H. H. Tendipedidenlarven aus süsswasserschwämmen in der sammlung des Berliner Zoologischen Museums. Berlin. Zool. Mus. Mitt. 28: 37-52. Ref. 1951,pub.1952. 410.9 B45

56453 ZUKOVIC, M. Morphology and biology of the stages of Hypoderma bovis (de Geer, 1776) and Hypoderma lineatum (de Villers, 1789) under the skin. (In Serbo-Croatian.) Vet. Arh. 22:194-202. 1952. 41.8 V6416
English summary.

Culicidae

56454 AMERICAN MOSQUITO CONTROL ASSOCIATION. COMMITTEE ON RESEARCH AND DEVELOPMENT OF MOSQUITO CONTROL AND RELATED PROBLEMS. Report. Mosquito News 12:166-173. Sept.1952. 421 M85
Assembled by B. B. Pepper.

56455 BELLAMY, R. E., and REEVES, W. C. A portable mosquito bait-trap. Mosquito News 12:256-258. Dec.1952. 421 M85

56456 BISHOPP, F. C. Mosquito control moves forward. Mosquito News 12:135-141. Ref. Sept.1952. 421 M85

56457 BLAKESLEE, T. E. Chloride ion tolerance of four mosquitoes of Okinawa. Mosquito News 12:191-194. Sept.1952. 421 M85
Anopheles and Culex species.

56458 BRELAND, O. P. Keys to the larvae of Texas mosquitoes with notes on recent synonymy. II. The genus Culex Linnaeus. Tex. J. Sci. 5:114-119. Ref. Mar.30, 1953. 470 T31

56459 BRELAND, O. P. The stirrup-shaped piece as an aid in the taxonomic study of mosquito larvae. Mosquito News 12:253-255. Dec.1952. 421 M85

56460 BUXTON, J. A., and BRELAND, O. P. Some species of mosquitoes reared from dry materials. Mosquito News 12:209-214. Ref. Sept.1952. 421 M85

56461 CARPENTER, S. J., GALINDO, P., and TRAPIDO, H. Forest mosquito studies in an endemic yellow fever area in Panama. Mosquito News 12:156-164. Sept. 1952. 421 M85

56462 CARPENTER, S. J. Notes on mosquitoes in North America. II-III. Mosquito News 12:251-253. Dec. 1952. 421 M85
II, Collections at military installations in Indiana during 1944 and 1945; III, Collections at military installations in Kentucky during 1944 and 1945.

56463 CHOW, C. Y. Mosquito and malaria control in Taiwan (Formosa). Mosquito News 12:243-246. Ref. Dec.1952. 421 M85

56464 CONCHA Y VENEGAS, J. A. Relación entre la geografía y la lucha antimalarica en Colombia. Soc. Geog. de Colombia. B. 10:188-200. Fourth Q.1952. 475 So13
Anopheles.

56465 FEDERATION OF MALAYA. MALARIA ADVISORY BOARD. Annual report, 1951. Kuala Lumpur, 1953. 9 p. 448.9 M292A

56466 FROHNE, W. C., and FROHNE, R. G. Mating swarms of males of the mosquito, Aedes punctor (Kirby), in Alaska. Mosquito News 12:248-251. Dec.1952. 421 M85

56467 FROHNE, W. C. Mosquito news from Alaska. Mosquito News 12:263. Dec.1952. 421 M85

56468 GARCIA, E. Progresos en la lucha contra la fiebre amarilla en el Ecuador. Ofic. Sanit. Panamer. B. 34:221-224. Mar.1953. 449.9 P192B
English summary.
DDT in Aedes aegypti control.

56469 GJULLIN, C. M., LINDQUIST, A. W., and BUTTS, J. S. Absorption of radioactive DDT by resistant and nonresistant mosquitoes. Mosquito News 12:201-205. Sept.1952. 421 M85

56470 HALVERSON, W. L., LONGSHORE, W. A., and PETERS, R. F. The 1952 encephalitis outbreak in California. Pub. Health Rpt. 68:368-377. Apr.1953. 151.65 P96
Includes mosquito control program.

56471 HEDEEN, R. A., and KEEGAN, H. L. The use of lindane and dieldrin as mosquito adulticides in Alaska. Mosquito News 12:242-243. Dec.1952. 421 M85

56472 HERMS, H. P. Recent developments in the control of rice field mosquitoes in California. Mosquito News 12:238-241. Dec.1952. 421 M85

56473 HILL, R. B. Some aspects of mosquito control activities in South America. Mosquito News 12:153-156. Sept.1952. 421 M85

56474 HU, S. M. K. Mosquito control in the South Pacific. Mosquito News 12:164-166. Sept.1952. 421 M85

56475 HUSBANDS, R. C. Some techniques used in the study of Aedes eggs in irrigated pastures in California. Mosquito News 12:145-150. Sept.1952. 421 M85

56476 INSTITUT PASTEUR DE LA GUYANE FRANÇAISE ET DU TERRITOIRE DE L'ININI. Rapport sur le fonctionnement technique pendant l'année 1951. Cahors, Coueslant, 1952. 310 p. (Its Publication 262) 448.9 In77
Includes mosquito and other insect pest control, human nutrition, and veterinary pathology.

56477 IYENGAR, M. O. T. Filariasis in the Maldive Islands. World Health Organ. B. 7:375-403. 1952. 449.9 W892B
Includes mosquitoes as vectors.

56478 JONES, J. C. Microanatomical study of DDT-moribund Anopheles quadrimaculatus Say. Science 117: 452-453. Apr.24,1953. 470 Sci2

56479 JONES, J. C., and SCHELTEMA, J. L. A small animal restrainer for feeding mosquitoes in small cages. Mosquito News 12:215. Sept.1952. 421 M85

56480 KEENER, G. G. Observations on overwintering of Culex tarsalis Coquillett (Diptera, Culicidae) in western Nebraska. Mosquito News 12:205-209. Sept.1952 421 M85

56481 KNOWLTON, G. F., and ROWE, J. A. Irrigation-water mosquito prevention and control. Utah. State Agr. Col. Ext. C. 182,2 p. Apr.1953. 275.29 Ut1

56482 KURIHARA, Y., and KATO, M. Associative ecology of the mosquito larvae and their biotic environments in the stone basin. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 19:339-347. Oct.1952. 513 T574Ab

56483 LOVE, G. J., and KARTMAN, L. Effects on Anopheles quadrimaculatus of dusting for control of cotton insects. J. Econ. Ent. 46:166-168. Feb.1953. 421 J822

56484 MCLINTOCK, J. Continuous laboratory rearing of Culiseta inornata (Will.) (Diptera: Culicidae). Mosquito News 12:195-201. Ref. Sept.1952. 421 M85

56485 MCNEEL, T. E., and FERGUSON, F. F. Psorophora cyanescens (Coquillett) new to the mosquito fauna of New Mexico. Mosquito News 12:241. Dec.1952. 421 M85

56486 MENDOZA, J. B., and ABINOJA, B. Observation on supposedly unusual breeding of the Philippine malaria vector [Anopheles minimus flavirostris]. Philippine J. Sci. 81:53-59. Ref. Mar.1952. 475 P53

56487 MITCHENER, A. V. Control of mosquitoes with DDT, aldrin, dieldrin, endrin and isodrin. J. Econ. Ent. 46:164. Feb.1953. 421 J822

56488 NEGHME, A., ALBI, H., and GUTIERREZ, J. Campaña de erradicación del Aedes aegypti en Chile. Ofic. Sanit. Panamer. B. 34:205-220. Mar.1953. 449.9 P192B
English summary.

56489 O'ROURKE, F. J., and MURNAGHAN, M. F. The cutaneous reaction to the bite of the mosquito Aëdes aegypti (L.) and its alleviation by the topical application of an antihistaminic cream (pyribenzamine). J. Allergy 24:120-125. Mar.1953. 448.8 J8236

56490 POST, R. L., and others. Lower cost mosquito control by larviciding impounded waters. N. Dak. Agr. Expt. Sta. Bimon. B. 15:152-158. Mar./Apr.1953. 100 N813B
C. L. Bradley, E. V. Harrison, V. Kavaney, M. C. Kramer, and J. R. Anderson, joint authors.

56491 PROVOST, M. W. The dispersal of Aedes taeniorhynchus. I. Preliminary studies. Mosquito News 12:174-190. Ref. Sept.1952. 421 M85
Florida.

56492 RALEY, T. G. The Plumber's Nightmare, King Size. Mosquito News 12:141-144. Sept.1952. 421 M85
Insecticidal fog generator.

56493 SHAMBAUGH, G. F. Microinjection technique in mosquitoes. Mosquito News 12:216. Sept.1952. 421 M85

56494 STAGE, H. H. The Bureau of Entomology and Plant Quarantine's contribution to research on mosquitoes during 1951. Mosquito News 12:150-152. Sept.1952. 421 M85

56495 VELOSO, H. P. The ecological problem between vegetation, Bromeliaceae and Anopheles. (In Portuguese.) An. Bot. 4(4):187-270. Ref. June 22,1952. 450 An1
Text also in German.

56496 VIZZI, F. F. The mouthparts of the male Anopheles quadrimaculatus. Tulane U. Grad. Sch. Abs. Diss. & Theses (ser.53)14:101. Nov.1,1952. 241.8 T82

56497 WASHBURN, G. E. Progress report on mosquito ecological studies in California. Mosquito News 12: 235-238. Dec.1952. 421 M85

56498 YATES, W. W., and LINDQUIST, A. W. Toxicity of EPN, DDT, and parathion to larvae of various species of mosquitoes. Mosquito News 12:247. Dec.1952. 421 M85

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

56499 AL-TIKRITY, A. B. The biology of the boxelder bug [Leptocoris trivittatus] in Cache Valley. (Abs.) Utah Acad. Sci. Arts & Let. Proc. 29:47. 1951/52. 500 Ut1

56500 APP, B. A., and WEAVER, C. R. Benzene hexachloride to control meadow spittlebug [Philaenus leucophthalmus]. J. Econ. Ent. 46:182-183. Feb.1953. 421 J822

56501 BAINES, S. Bacterial symbiosis in the assassin bug [Rhodnius prolixus]. J. Gen. Microbiol. 8(1): iv-vi. Feb.1953. 448.3 J823

56502 BALACHOWSKY, A. Sur un Centrococcus (Coccoidea-Pseudococcini) nouveau du Maroc Oriental. Soc. des Sci. Nat. du Maroc. B. 31:277-285. Second Semes.1951,pub.1952. 515 So1

56503 BARBER, H. G. The genus Pachybrachius in the United States and Canada with the description of two new species (Hemiptera: Lygaeidae). N. Y. Ent. Soc. J. 60:211-220. Dec.1952. 420 N48J

56504 BARBER, H. G. A new subfamily, genus, and species belonging to the family Enicocephalidae (Hemiptera, Heteroptera). Amer. Mus. Novitates 1614,4 p. Mar.21,1953. 500 N483N
Alienatinae n. sfam.; Alienates n.g.

56505 BARTLETT, B. R. Natural control of citricola scale [Coccus pseudomagnoliarium] in California. J. Econ. Ent. 46:25-28. Feb.1953. 421 J822

56506 BEDERNICHEK, O. P. Chemical control of the pine bark bug. (In Russian.) Les i Step' 5:94. Jan.1953. 99.8 L565
Benzene hexachloride.

56507 BRAY, D. F. Life history and control of Cinara winonkae. J. Econ. Ent. 46:103-107. Ref. Feb. 1953. 421 J822

56508 CARAYON, J. Existence d'un double orifice génital et d'un tissu conducteur des spermatozoïdes chez les Anthocorinae (Hemipt. Anthocoridae). Acad. des Sci. Compt. Rend. 236:1206-1208. Mar.16,1953. 505 P21

56509 CARAYON, J. Organe de Ribaga et fécondation hémocoelienne chez les Xylocoris du groupe galactinus (Hemipt. Anthocoridae). Acad. des Sci. Compt. Rend. 236:1099-1101. Mar.9,1953. 505 P21

56510 CARVALHO, J. C. M. Neotropical Miridae, L: on the present generic assignment of the species in the Biologia Centrali Americana (Hemiptera). Mus. Nac. B. Nova Sér. Zool. 118,17 p. Sept.30,1952. 516 R47Bz

56511 COLLART, A. Nouvelle station de Copium cornutum Thunberg (Hem. Tingitidae) en Belgique. Soc. Ent. de Belg. B. & Ann. 88:222. Oct.28,1952. 420 B41

56512 COLLYER, E. Beneficial fruit insects: predators. 1. Grower [London] 39:635. Mar.28,1953. 286.83 M34
Blepharidopterus angulatus in control of the fruit tree red spider mite Metatetranychus ulmi in England.

56513 CORY, E. N., GRAHAM, C., and BISSELL, T. L. The periodical cicada. Md. Agr. Col. Ext. Misc. Ext. P. 19,2 p. Apr.1953. 275.29 M36Mis
Magicicada septendecim.

56514 COTTIER, W. Endemic aphids in New Zealand. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:87-91. 1951,pub. 1952. 90.09 R81R

56515 CUMBER, R. A. Studies on Oliarus atkinsoni Myers (Hem. Cixiidae), vector of the "yellow-leaf" disease of Phormium tenax Forst. III. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:260-266. Jan.1953. 514 N48B

56516 DEBACH, P. Purple scale [Lepidosaphes beckii] parasites in Southern California. Calif. Citrog. 38:219-222. Apr.1953. 80 C125
Includes biological control.

56517 DEBACH, P. Purple scale [Lepidosaphes beckii] parasites in southern California. Citrus Leaves 23(4):16-17,45. Apr.1953. 80 C492
Includes biological control.

56518 DECKER, K. Was muss der winzer von der blattreblaus [Phylloxera] wissen? Deut. Weinbau 8:132-133. Mar.20,1953. 390.8 W432

56519 ESSIG, E. O. Aphid miscellany. Pan-Pacific Ent. 29:1-13. Jan.1953. 421 P193

56520 ESSIG, E. O. The orchard grass aphid, Hyalopteroides humilis (Walker) (Hemiptera-Aphidae). Pan-Pacific Ent. 29:17-18. Jan.1953. 421 P193

56521 FISHER, E. H. Are spittlebugs [Cercopidae] "spitting" your hay away? Hoard's Dairyman 98:392. Apr.25,1953. 44.8 H65

56522 FISHER, E. H. Don't let leafhoppers rob you. Hoard's Dairyman 98:377. Apr.25,1953. 44.8 H65

56523 FROST, S. W. Miridae from light traps. N. Y. Ent. Soc. J. 60:237-240. Dec.1952. 420 N48J

56524 GEORGALA, M. B. The woolly aphis of apple [Eriosoma lanigerum] and its control. Farming So. Africa 29(322):21-22,27. Jan.1953. 24 So842

56525 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Lettuce aphids. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 392,5 p. Feb.1953. 10 G79La

56526 GUPTA, B. D. A resume on trials with D.D.T., B.H.C. and some other insecticides against the sugarcane leaf-hopper (Pyrilla perpusilla Wlk.) in Uttar Pradesh. Sugar Technol. Assoc. India. Proc. 21:144-147. 1952. 65.9 Su33P

56527 GUPTA, V. K. Occurrence of the yellow strain of lac insect Laccifer lacca Kerr. (Coccidae) in Delhi. Cur. Sci. 22:49. Feb.1953. 475 Sci23

56528 HASSEWER, W. L. Le puceron lanigere [Eriosoma lanigera]. Cour. Hort. 15:168-169. Mar.1953. 80 C834

56529 HOTTES, F. C. Seasonal variations in Myzocallis californicus Baker (Aphididae). Pan-Pacific Ent. 29:43-46. Jan.1953. 421 P193

56530 HUNGERFORD, H. B. Concerning Rheumatobates rileyi Bergroth (Gerridae). Ent. News [Philadelphia] 64:91-92. Apr.1953. 421 En88

56531 HUSSEY, R. F. Concerning some North American Coreidae (Hemiptera). Brooklyn Ent. Soc. B. 48:29-34. Ref. Apr.1953. 420 B79

56532 IBBOTSON, A. Studies of cabbage aphid [Brevicoryne brassicae] infestations on brussels sprouts, 1951. Plant Path. 2:25-30. Mar.1953. 464.8 P692

56533 IVY, E. E. Chemical characteristics of phosphorus compounds to kill aphids & spider mites by systemic action. Agr. Chem. 8(4):47-50,137,139. Apr. 1953. 381 Ag8

56534 KAUSSARI, M. Sur une cochenille [Schizotargionia balachowskyi] nouvelle du sud-est de l'Iran. Rev. de Path. Vég. et d'Ent. Agr. de France 31:181-184. July/Sept.1952. 464.9 So1

56535 KLOFT, W. Schildlausbekämpfung in den USA. Umschau 52:371-372. June 15,1952. 474 Um7
Aspidiotus perniciosus.

56536 KNOWLTON, G. F. A lettuce root aphid. Brooklyn Ent. Soc. B. 48:49. Apr.1953. 420 B79
Pemphigus species.

56537 KORMILEV, N. A., and CARLO, J. A. DE. Una especie nueva del género "Ochterus" Latreille (1807) [O. foersteri] del Paraguay (Hemiptera, Ochteridae). Soc. Cient. Agrentina. An. 154:155-159. Dec.1952. 516 So1
English summary.

56538 LIHNELL, D. Marking aphids with radioactive phosphorus, P^{32}. Inst. v. Phytopath. Lab. v. Bloembollenonderz. P. 94:14-22. May 1952. 90.17 L69
Includes discussion.

56539 MCKENZIE, H. L. Scale studies. XI. A new scale insect from the Ryukyu Islands related to red scale (Homoptera: Coccoidea: Diaspididae). Calif. Dept. Agr. B. 42:35-38. Jan./Mar.1953. 2 C12M
Aonidiella messengeri.

56540 MANEFIELD, T. White wax scale [Ceroplastes destructor] on citrus. Queensland Agr. J. 75:348-349. Dec.1952. 23 Q33

56541 MAREK, J. Über passive verbreitung der San-José-schildlaus [Aspidiotus perniciosus] durch einheimische ameisen. Z. f. Pflanzenbau u. Pflanzenschutz 3:254-263. 1952. 464.8 P88

56542 MARTIN, B. A. Temporary elimination of the autosomes from the meiotic spindle in a halyinid pentatomid. J. Morph. 92:207-240. Ref. Mar.1953. 444.8 J826
Alitocoris schraderi.

56543 MAYNE, R. Sur quelques Hémiptères (Miridae et Tingidae) nuisibles, du Congo Belge. Soc. Ent. de Belg. B. & Ann. 88:223-224. Oct.28,1952. 420 B41

56544 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De winterbespuiting in de boomkwekerij ter bestrijding van blad-, dop - en schildluizen en spint [Winter spraying in tree nurseries to control aphids, scale insects and spider mites]. Netherlands. Plantenziektenk. Dienst. Ber. 1029,2 p. Feb.14,1953. 464.9 N38

56545 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. Insect pests. Agr. Gaz. N. S. Wales 64:36-38. Jan.1953. 23 N472
Eriosoma lanigerum, Pentatomidae, and Phyllotreta nemorum.

56546 NEWCOMER, E. J., and DEAN, F. P. Control of woolly apple aphids [Eriosoma lanigerum] in orchards sprayed with DDT. J. Econ. Ent. 46:54-56. Feb.1953. 421 J822

56547 OSSIANNILSSON, F. Once more on green peach aphid [Myzus persicae] in greenhouses. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 4:53-57. Sept.1952. 464.9 Sw3V

56548 PARKS, T. H. The periodical cicada [Magicicada septendecim]. Mountaineer Grower 23(197):3,5,7. Apr.1953. 80 M86

56549 PENDERGRAST, J. G. The genus Rhopalimorpha Dallas (Heteroptera, Pentatomidae.) Auckland Inst. & Mus. Rec. 4:159-162. Dec.22,1952. 514 Au22R

56550 PENTH, M. Zur ökologie der Heteropteren des Mainzer Sandes. Zool. Jahrb. Abt. f. System. Okol. u. Geog. der Tiere 81:91-121. Ref. Mar.31,1952. 410 Z751S

56551 PHILIPP, W. Die San José-schildlaus-gefahr ist noch nicht überwunden. Obstbau 72:41. Mar.1,1953. 80 Ob73
Aspidiotus perniciosus.

56552 PHILIPP, W. Zur ausbreitung der San-José-schildlaus [Aspidiotus perniciosus]. Gesunde Pflanzen 5: 53-57. Mar.1953. 464.8 G33

56553 RODRIGUEZ, M. G. Control measures for the rice bug [Leptocorisa acuta]. Agr. & Indus. Life 15(2):21. Feb.1953. 25 Ag8

56554 RÖNNEBECK, W. Über eine besonderheit in der entwicklung der fundatrigenien von Myzodes [i.e. Myzus] persicae Sulzer im jahre 1952 in NW-Deutschland. Anz. f. Schädlingsk. 26:35-37. Mar.1953. 421 An9

56555 ROSS, H. H. Another European cherry leafhopper in North America. J. Econ. Ent. 46:177. Feb.1953. 421 J822
Erythroneura flammigera.

56556 ROSS, H. H., and DELONG, D. M. Biological and taxonomic notes on Erythroneura (Homoptera, Cicadellidae). Ohio J. Sci. 53:77-90. Mar.1953. 410 Oh3
Includes new species.

56557 RUFFIN, W. A. Tales about insects. Ala. Farmer 32(4,i.e.5):12-13. Feb.1953. 276.8 AL1
Chiefly on the harlequin bug, Murgantia histrionica.

56558 SCHAERFFENBERG. Ein letztes wort zum abflammversuch gegen die San-José-schildlaus [Aspidiotus perniciosus]. Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:128. Mar.1953. 464.8 Z3

56559 SIEGLER, E. H. Soil insecticides for control of woolly apple aphids [Eriosoma lanigerum] on nursery stock. J. Econ. Ent. 46:177-178. Feb.1953. 421 J822

56560 SMITH, J. G. Research seeks way to whip green bugs [Toxoptera graminum] in wheat regions. Farmer-Stockman 56(4):24,74-75. Apr.1953. 6 Ok45

56561 SPENCER, H., and NORMAN, P. A. Parathion for control of purple scales [Lepidosaphes beckii] on early varieties of oranges. Fla. Ent. 36:13-19. Mar. 1953. 420 F662

56562 STAFFORD, E. N., and JENSEN, F. L. Grape leafhoppers gain resistance to DDT. West. Fruit Grower 7(3):23-25. Mar.1953. 95.8 G762

56563 VASSEUR, R., and BIANCHI, H. Observations sur l'emploi des huiles minérales pour les traitements de la vigne. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3:315-322. July/Sept.1952. 464.9 F84An
For control of Pulvinaria vitis and Eulecanium corni.

56564 VASSEUR, R., SCHVESTER, D., and BIANCHI, H. Sur l'effet aphicide de certains traitements contre le pou de San José (Quadraspidiotus [i.e. Aspidiotus] perniciosus Comst.). France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3:339-350. Ref. July/Sept.1952. 464.9 F84An

56565 VILLIERS, A. Notes sur divers Reduviidae, Tribelocephalinae du Musée du Congo Belge. Rev. de Zool. et de Bot. Africaines 46:237-257. Dec.24,1952. 410 R326
Includes new species in Tribelocephala.

56566 WILLIAMS, R. H. Why feed the spittle bug? Hay yields jump when farmers spray or dust their hay fields. Pa. Farmer 148:366-367. Apr.11,1953. 6 P383

56567 WILSON, C. A. A new Velia from Mississippi (Hemiptera: Veliidae). Fla. Ent. 36:27-29. Mar.1953. 420 F662

HYMENOPTERA

56568 AMY, R. L. A comparative study of the effects of beta, gamma, and X rays on the early development of Habrobracon. (Abs.) Anat. Rec. 115:273. Feb.1953. 447.8 An1

56569 BOREHAM, H. J. Further observations on the life and habits of the field digger wasp (Mellinus arvensis, Linn.). Suffolk Nat. Soc. Trans. 8:42. 1952. 410.9 Su2

56570 CHARPENTIER, L. J., and MATHES, R. Further attempt to colonize the sugarcane borer [Diatraea saccharalis] egg parasite Telenomus alecto in Louisiana. Sugar B. 31:198. Mar.15,1953. 65.9 Am32

56571 COOPER, K. W. A remarkable new species and subgenus of chrysid wasp from North America, with notes on related forms. (Hymenoptera: Chrysididae). Amer. Ent. Soc. Trans. 78:137-148. Sept./Dec.1952. 420 P53
In Chrysis.

56572 CREIGHTON, W. S. New data on the habits of the ants of the genus Veromessor. Amer. Mus. Novitates 1612,18 p. Mar.20,1953. 500 N483N

56573 CUMBER, R. A. The establishment in New Zealand of Microphanurus basalis Woll. (Scelionidae: Hym.), egg-parasite of the green vegetable bug, Nezara viridula L. (Pentatomidae). New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:267-269. Jan.1953. 514 N48B

56574 CUMBER, R. A. Some aspects of the biology and ecology of humble-bees bearing upon the yields of red-clover seed in New Zealand. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:227-240. Jan.1953. 514 N48B

56575 EDMUNDS, L. R. Some notes on the Evaniidae as household pests and as a factor in the control of roaches. Ohio J. Sci. 53:121-122. Mar.1953. 410 Oh3

56576 FLANDERS, S. E. Caste determination in the social Hymenoptera. Sci. Mon. 76:142-148. Ref. Mar. 1953. 470 Sci23

56577 GAUL, A. T. Additions to vespine biology. XI. Defense flight. Brooklyn Ent. Soc. B. 48:35-37. Apr. 1953. 420 B79

56578 GRADWELL, G. R. Notes on the taxonomy and biology of Crataepus marbis (Walker) (Hym., Eulophidae). Ent. Mon. Mag. 89:73-76. Apr.1953. 421 En86

56579 GURNEY, A. B. Notes on the biology and immature stages of a cricket parasite of the genus Rhopalosoma. U. S. Natl. Mus. Proc. 103:19-34. Ref. 1953. 500 Sm65P
Hapithus agitator host for Rhopalosoma.

56580 HAMMER, O. Hormone weed-killers and bees. Research 6:151-153. Apr.1953. 472 R31

56581 HASSELROT, T. B. Künstliche aufzucht von hummeln. Schweiz. Landwirt. Monatsh. 31:94-100. Mar. 1953. 17 Sch93

56582 HAWS, L. D., and KNOWLTON, G. F. Heptachlor in western harvester ant [Pogonomyrmex occidentalis] control. (Abs.) Utah Acad. Sci. Arts & Let. Proc. 29:48-49. 1951/52. 500 Ut1

56583 HEY, G. L. Two-year treatment control of sawflies [Symphyta]. Com. Grower 2988:697-698. Apr.2, 1953. 80 F941

56584 HÖLLDOBLER, K. Über den brutpflegeinstinkt sozialparasitischer ameisenweibchen. Z. f. Angew. Ent. 34:291-293. Dec.1952. 421 Z36

56585 HUTCHINS, R. E. The amazing fungus ants. Nat. Mag. 46:245-246. May 1953. 409.6 N214
Trachymyrmex.

56586 JACOBY, M. Die erforschung des nestes der blattschneider-ameise Atta sexdens rubropilosa Forel. I. Z. f. Angew. Ent. 34:145-169. Dec.1952. 421 Z36

56587 KERR, W. E. Destruction and poisoning of bees. (In Portuguese.) Chacaras e Quintais 87:45-46. Jan.15,1953. 9.2 C34
Insecticides and fungicides toxic to all pollinating bees.

56588 KROMBEIN, K. V. Biological and taxonomic observations on the wasps in a coastal area of North Carolina (Hymenoptera: Aculeata). Wasmann J. Biol. 10: 257-341. Ref. Fall, 1952. 442.8 W28
Includes new species in Tiphia and Evagetes.

56589 KUSNEZOV, N. Antibióticos de hormigas argentinas. Chacra 23(268):56. Mar.1953. 9 C34

56590 LECLERCQ, J. Liste de Braconides (Hym.) récoltés en Belgique. Soc. Ent. de Belg. B. & Ann. 88:241-244. Oct.28,1952. 420 B41

56591 LECLERCQ, J. Proctotrupoidea (Serphoidea) récoltés en Belgique. Lambillionea 52:71-72. Dec.25, 1952. 420 N15

56592 LECLERCQ, J. Trigonalidae, Aulacidae, Evaniidae, Stephanidae et Agriotypidae de la faune franco-belge. Lambillionea 53:1-2. Feb.25,1953. 420 N15

56593 LE MASNE, G. Observations sur la biologie de la fourmi Ponera eduardi Forel. La descendance des ouvrières fécondées par des mâles ergatoïdes. Acad. des Sci. Compt. Rend. 236:1096-1098. Mar.9,1953. 505 P21

56594 MACNAY, C. G. Ants and their control in Canada. Canada. Sci. Serv. Div. Ent. Processed P. 124 7 p. Feb.1953. 423.92 C16P

56595 MENKE, H. F. Alkali bee [Nomia melanderi]. Co-op Grain Q. 11:15-17. Mar.1953. 280.28 C7898

56596 MOUTIA, L. A. Notes sur Apanteles sesamiae Cam., un nouveau parasite de Sesamia calamistis Hamps. à Maurice. Rev. Agr. de l'Ile Maurice 31:269-271. Nov./Dec.1952. 24 M44

56597 NELSON, W. A., and FARSTAD, C. W. Biology of Bracon cephi (Gahan) (Hymenoptera: Braconidae), an important native parasite of the wheat stem sawfly, Cephus cinctus Nort. (Hymenoptera: Cephidae), in western Canada. Canad. Ent. 85:103-107. Mar.1953. 421 C16

56598 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. WAGENINGEN. The dock sawfly (Ametastegia glabrata Fall.). (In Dutch.) Netherlands. Plantenziektenk. Dienst. Vlugschr. 69,3 p. Jan.1953. 464.9 W12V

56599 PIELOU, D. P., and GLASSER, R. F. Survival of Macrocentrus ancylivorus Roh., a parasite of the oriental fruit moth [Grapholitha molesta] on different concentrations of various sugar solutions. Canad. J. Zool. 31:121-124. Apr.1953. 470 C16B

56600 SCHENK, P. J. Voracity of a sawfly larva [Nematus septentrionalis L.]. (In Flemish.) Cult. en Handel 19:212. Apr.1953. 80 C892

56601 STELFOX, A. W. A new name for Bracon concolor Thomson (Hym., Braconidae). Ent. Mon. Mag. 89: 95. Apr.1953. 421 En86
B. opacus n.n.

56602 TAKAOKA, I. Studies on Sagritis [i. e. Sagaritis] maculipes Tschek, a hymenopterous parasite of Chloridea assulta Guénée. (In Japanese.) Hatano Tobacco Expt. Sta. B. 36:139-156. Ref. Mar.1952. 69.9 J27
English summary.

56603 THOMAS, C. R. The European wasp (Vespula germanica) in New Zealand. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:92-96. 1951,pub.1952. 90.09 R81R

56604 VALDES BARRY, F. Control de la bibijagua con aldrin. Agrotecnia 7:59-62. Nov./Dec.1952. 8 Ag825

56605 VAN DEN BOSCH, R. Bathyplectes curculionis as a parasite of Hypera brunneipennis. J. Econ. Ent. 46: 161-162. Feb.1953. 421 J822

56606 VAN PELT, A. Notes on the above-ground activity and a mating flight of Pogonomyrmed badius (Latr.). Tenn. Acad. Sci. J. 28:164-168. Apr.1953. 500 T25A

56607 VIETINGHOFF-RIESCH, FREIHERR VON. Welche folgerungen für forstschutz und waldbau ergeben sich aus dem massenauftreten der kleinen fichtenblattwespe [Pristiphora pini] und des lärchenblasenfusses in Niedersachsen? Forst u. Holz 8:50. Feb.16,1953. 99.8 F7724

56608 WALRECHT, B. J. J. R. The building instinct of the social wasps. X. (In Dutch.) Levende Nat. 56:53-59. Mar.1953. 410 L57
Vespa.

56609 WATERHOUSE, F. L. Reversal of phototaxis in prepupae of Hymenoptera (Tenthredinidae) caused by amyl acetate vapour emanating from marking paint. Nature [London] 171:438. Mar.7,1953. 472 N21

56610 WELLENSTEIN, G. Zur ernährungsbiologie der roten waldameise. (Formica rufa L.). Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 59:430-451. Ref. Nov./Dec.1952. 464.8 Z3
English summary.

56611 ZIRNGIEBL, L. Ein bilateraler zwitter der blattwespe Tenthredo atra L. Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107:89-94. 1951,pub.1952. 509 W96

See also Apiculture and Apis mellifera.

LEPIDOPTERA

56612 ACATAY, A. Acalla undulana Wlsghm. als zederschaedling. (In Turkish) Istanbul. U. Orman Fakül. Dergisi (ser. A)2:83-87. 1952. 99.9 Is72
German summary.

56613 ALEXANDRE, R. Une nouvelle aberration de Parnassius apollo L. ab ♂ inocellata, nova. Rev. Franç. de Lépidoptérologie 13:235. May/Sept.1952. 421 P192

56614 ALMEIDA, R. F. D'. Duas novas subespécies de Rhopalocera da América (Lep. Satyridae e Nymphalidae) [Two new subspecies of Rhopalocera from America (Lep. Satyridae and Nymphalidae)]. Mus. Nac. B. Nova Sér. Zool. 114,3 p. Sept.15,1952. 516 R47Bz
Dynamine mylitta mexicana and Euptychia ocirrohë interjecta.

56615 ALMEIDA, R. F. D'. Novas espécies sul-americanas de famflia Ithomiidae (Lep. Rhopalocera) [New South American species of the family Ithomiidae (Lep. Rhopalocera)]. Mus. Nac. B. Nova Sér. Zool. 115, 6 p. Sept.15,1952. 516 R47Bz
In Hypothyris, Ithomia, and Hyposcada.

56616 AUBERT, J. F. Note sur les formes mélanisantes des Papilionides d'Europe centrale. Rev. Franç. de Lépidoptérologie 13:236-239. May/Sept.1952. 421 P192
Contribution à l'étude des Macrolépidoptéres d'Europe, No 3.

56617 BAGGIOLINI, M. La tordeuse orientale [Grapholitha molesta] et l'extension de la culture du pêcher en Suisse romande. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:24-25. Mar.1953. 17 J82A

56618 BAYNES, E. S. A. A remarkable aberration of Arctia caja L. Ent. Rec. & J. Variation 65:66-67. Mar.1953. 421 En89

56619 BEAUFOY, S. Notes on rearing Lepidoptera, 1952. Suffolk Nat. Soc. Trans. 8:39. 1952. 410.9 Su2

56620 BECKER, G. Frass von Lepidopteren im kambium gesunder kiefern in Mittel- und Nordamerika. Z. f. Angew. Ent. 34:170-177. Ref. Dec.1952. 421 Z36

56621 BENKEVICH, V. I. Places inhabited by large numbers of ovipositors of the odd silkworm [Porthetria dispar]. (In Russian.) Les i Step' 4(12):75-76. Dec.1952. 99.8 L565

56622 BERGER, L. A. Aphnaeus nouveaux du Congo Belge (Lepidoptera-Lycaenidae). Lambillionea 52:68-70. Dec.25,1952. 420 N15

56623 BERGER, L. A. Descriptions préliminaires de Mylothris nouveaux du Musée Royal du Congo Belge (Lepidoptera-Pieridae). Rev. de Zool. et de Bot. Africaines 46:319-322. Dec.24,1952. 410 R326

56624 BERGER, L. A. Note sur les moeurs d'Augiades venata Bremer-Grey. Lambillionea 52:73-75. Dec.25,1952. 420 N15

56625 BERGER, L. A. Sur la validité du genre Cymothoë Hübner 1819 (Lepidoptera-Nymphalidae). Lambillionea 52:65-67. Dec.25,1952. 420 N15

56626 BERGESON, F. W. Know more about the cutworm. U & I Cult. 13:36-37,48. Mar.1953. 66.8 U12

56627 BERNARDI, G., LESSE, H. DE., and PICARD, J. Liste des Grypocéres et Rhopalocéres de la faune française conforme aux Régles internationales de la nomenclature. Rev. Franç. de Lépidoptérologie 13:241-246. Ref. (Cont.) May/Sept.1952. 421 P192
Satyridae.

56628 BODENSTEIN, G. Cacoecia [i. e. Tortrix] costana F. als nelkenschädling. Gesunde Pflanzen 5:64. Mar.1953. 464.8 G33

56629 BOTTCHER, H. Das auftreten des eichenprozessionsspinners [Thaumetopoea processionea] in der Altmark. Deut. Landwirt. 4:35. Jan.1953. 18 D4822

56630 BRADLEY, J. D. A new form of Tortrix amplana Huebner, 1813, from Malta (Lep., Tortricidae). Entomologist 86:67. Mar.1953. 421 En8

56631 BRADLEY, J. D. A new species of Casmara Walker, 1863, from Malaya—(Lepidoptera: Oecophoridae). Ann. & Mag. Nat. Hist. (ser.12)6:319-320. Apr.1953. 410 An77

56632 BRADLEY, J. D. On Harmaclona Busck, 1914 (Lep., Arrhenophanidae), with descriptions of a new species, of a supplementary wing-coupling device present, and some new synonymy. Entomologist 86:61-66. Mar.1953. 421 En8

56633 BRENY, R. Le ver des prunes, Laspeyresia [i.e. Grapholitha] funebrana. Fruit Belge 20:74-76. May 1952. 80 F9493

56634 BRETT, C. H. Southern cornstalk borer [Diatraea crambidoides] control with methoxychlor, DDT, isodrin and endrin. J. Econ. Ent. 46:176. Feb.1953. 421 J822

56635 BROWN, E. E. Life cycle of lesser apple worm [Grapholitha prunivora] in northeastern Oregon. J. Econ. Ent. 46:163. Feb.1953. 421 J822

56636 BURMANN, K. Spinnennetze und bergseen als fundgruben für den Lepidopterensammler. Wien. Ent. Gesell. Z. 37:10-14. Sept.30,1952. 421 Os7

56637 BURMANN, K. B. Wanderfalter auf gletschern. Wien. Ent. Gesell. Z. 37:101-103. Oct.30,1952. 421 Os7

56638 BURTON, P. J. Communication between insects. Suffolk Nat. Soc. Trans. 8:37-38. 1952. 410.9 Su2
Lepidoptera.

56639 CHADBOURNE, D. S., and RAINWATER, C. F. Histological effects of calcium arsenates, DDT, and dieldrin on larval tissues of the bollworm [Heliothis armigera]. J. Econ. Ent. 46:44-48. Feb.1953. 421 J822

56640 CHANCOGNE, M. Étude des actions ovicides. III. Influence des mouillants sur la toxicité du dinitro-crésylate de sodium. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3:323-328. July/Sept.1952. 464.9 F84An
Tests with Ephestia kühniella.

56641 CHANDLEE, W. B. Filbert worm [Melissopus latiferreanus] control. Oreg. State Hort. Soc. Proc. 67: 153. 1952. 81 Or32

56642 CHIANG, H. C., and HODSON, A. C. Leaf injury caused by the first-generation corn borer [Pyrausta nubilalis] in field corn. J. Econ. Ent. 46:68-73. Feb. 1953. 421 J822

56643 CLARKE, C. A., and KNUDSEN, J. P. A hybrid swallowtail; an account of the "cross" Papilio asterias ♀ (North American black swallowtail) x Papilio machaon ♂ (the swallowtail, of European—Malta-stock) and a note on the "machaon complex" of the North American Continent. Ent. Rec. & J. Variation 65:76-80. Mar. 1953. 421 En89

56644 COCKAYNE, E. A. Aberrations of British Macrolepidoptera. Ent. Rec. & J. Variation 65:81. Mar. 1953. 421 En89

56645 COCKAYNE, E. A. Some forgotten varietal names. Ent. Rec. & J. Variation 65:65-66. Mar.1953. 421 En89

56646 CORLISS, J. M. Gypsy moth [Porthetria dispar] control activities in the northeastern region. J. Econ. Ent. 46:175. Feb.1953. 421 J822

56647 CROWELL, H. H. Controlling cutworms and spotted cucumber beetle [Diabrotica] larvae. Oreg. State Hort. Soc. Proc. 67:129-130. 1952. 81 Or32

56648 DREES, H. Achtung neuer grossschädling; der weisse bärenspinner [Hyphantria cunea]. n.p., Bundesministerium für Ernährung,Landwirtschaft und Forsten. Referat Pflanzenschutz,1952. 4 p. 430 D81

56649 DUGAS, A. L., SMITH, C. E., and CONCIENNE, E. J. Recommendations for the chemical control of the sugarcane borer [Diatraea saccharalis] in Louisiana in 1953. Sugar B. 31:215-216. Apr.1,1953. 65.9 Am32

56650 EDEN, W. G., and MERKL, M. E. Control of corn earworm [Heliothis armigera] in sweet corn. Ala. Agr. Expt. Sta. L. 32,rev.,4 p. Feb.1953. 100 AL1S

56651 EVENHUIS, H. H. Determination of the dates of spraying against the codling moth [Carpocapsa pomonella]. (In Dutch.) Tijdschr. over Plantenziekten 59:9-22. Jan./Feb.1953. 464.8 T44
English summary.

56652 EVERY, R. W. Filbert worm [Melissopus latiferreanus] control. Oreg. State Hort. Soc. Proc. 67: 152. 1952. 81 Or32

56653 EWING, K. P. The pink bollworm [Pectinophora gossypiella] research program. Acco Press 32(4):2-4. Apr.1953. 6 Ac2

56654 FERGUSON, D. C. The Lepidoptera of Nova Scotia. I. Macrolepidoptera. (Abs.) Nova Scotian Inst. Sci. Proc. 23:110-111. 1950/51,pub.Mar.1953. 517 H13

56655 FOLTIN, H. Die bildung und das vorkommen nigristischer bzw. melanistischer formen in Oberösterreich. Wien. Ent. Gesell. Z. 37:89-95. Oct.30,1952. 421 Os7
Lepidoptera.

56656 FORD, E. B. Polymorphism and taxonomy. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:245-253. Ref. 1951,pub.1952. 90.09 R81R
Triphaena comes used as example.

56657 GEIER, P. SAVARY, A. La protection des pommes et des poires contre le Carpocapse [C. pomonella]. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:15-17. Feb.1953. 17 J82A

56658 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Cutworms or surface caterpillars. Gt. Brit. Min. Agr. & Fisheries. Adv. L. 225,rev.,4 p. Feb. 1953. 10 G79La

56659 GUT, R. C., and MOTTIER, P. Preliminaires à la lutte chimique contre la processionnaire. Fofet 6:106-107. Mar.1953. 99.8 F7683
Thaumetopoea processionea on black pine.

56660 HARTIG, GRAF F. Uber die strukturelle zusammengehorigkeit einiger Metasia-arten. Wien. Ent. Gesell. Z. 37:30-38. Sept.30,1952. 421 Os7
Including a new subgenus.

56661 HENZE. Wer hilft uns gegen den eichenwickler [Tortrix viridana]. Allg. Forstz. 8:164-166. Mar.25, 1953. 99.8 AL52

56662 HERBULOT, C. Sur quelques Agdistis marocains récoltés par M. Charles Rungs. Soc. des Sci. Nat. du Maroc. B. 31:269-271. Second Semes.1951,pub.1952. 515 So1

56663 HINRICHS, H. A., and BIEBERDORF, G. A. The pecan nut casebearer [Acrobasis caryae] and its control. Okla. Agr. Expt. Sta. B. B-392,10 p. Mar.1953. 100 Ok4

56664 HOWARD, J. O. Portugal aids the United States in fighting the gypsy moth [Porthetria dispar]. Foreign Agr. 17:81-83. Apr.1953. 1.9 Ec7For

56665 HYDE, G. E. Early butterflies. Birds & Country Mag. 6(27):21-22. Spring 1953. 413.8 B535

56666 IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. The European corn borer [Pyrausta nubilalis] and its control in the North Central States. Iowa. State Col. Agr. Ext. Pam. 176,8 p. Feb.1952. 275.29 M66P

56667 JOHNSON, D. R. Plutella maculipennis resistance to DDT in Java. J. Econ. Ent. 46:176. Feb.1953. 421 J822

56668 JOHNSON, J. H. Evidence of hearing in Agrotis ypsilon von Rott. (Lep. Caradrinidae). Entomologist 86:83-84. Mar.1953. 421 En8

56669 JOHNSON, J. H. Macrolepidoptera in North East Derbyshire: a record for 1952. Ent. Rec. & J. Variation 65:69-72. (Cont.) Mar.1953. 421 En89

56670 KAUTZ, H. Richtigstellungen und ergänzungen zum aufsatz "Die gelben formen von Pieris napi L." Wien. Ent. Gesell. Z. 37:43-44. Sept.30,1952. 421 Os7

56671 KAWADA, A. Recent advances in control method of rice stem borer [Chilo simplex]. (In Japanese.) Jap. J. Plant Protect. 43:4-6. Jan.1953. 421 J27

56672 KIRIAKOFF, S., and STEMPFFER, H. Un difficile problème de répartition géographique. Rev. Franç. de Lépidoptérologie 13:229-235. May/Sept.1952. 421 P192
Brephidium and Oraidium.

56673 KIRIAKOFF, S. G. La position systematique de Balacra paradoxa M. Hering (Lepid.: Thyretidae). Biol. Jaarb. 19:74-79. 1952. 410 B52
Includes Neobalacra n.g.

56674 KIRIAKOFF, S. G. Thyretidae nouveaux du Congo Belge. (Lepidoptera: Notodontoidea). Rev. de Zool. et de Bot. Africaines 46:396-406. Dec.24,1952. 410 R326
New species in Apisa and Bergeria n.g.

56675 KLIMESCH, J. Coleophora derasofasciella (Toll in lit.) spec. nov. (Lep., Coleophoridae). Wien. Ent. Gesell. Z. 37:14-17. Sept.30,1952. 421 Os7

56676 KLIMESCH, J. Zur morphologie und biologie der raupe der Coleophora separatella Benander (Lep., Coleophoridae). Wien. Ent. Gesell. Z. 37:17-24. Sept.30, 1952. 421 Os7

56677 LAEVER, M. E. DE. Espèces nouvelles pour la faune belge. Lambillionea 52:62-65. (Cont.) Dec.25, 1952. 420 N15
In Perizoma, Diastictis and Eupithecia.

56678 LELEUX. Notes de chasse dans le région de Lons-le-Saunier (Jura). Rev. Franç. de Lépidoptérologie 13:255-256. May/Sept.1952. 421 P192

56679 LE MARCHAND, S. Borkhausenia cinnamomea Zeller (Microlépidoptéres Oecophoridae) est bien une espéce française. Rev. Franç. de Lépidoptérologie 13: 252. May/Sept.1952. 421 P192

56680 LESSE, H. DE. Contribution à l'étude du genre Erebia. 8. Rev. Franç. de Lépidoptérologie 13:226-228. May/Sept.1952. 421 P192

56681 LESSE, H. DE. Contribution à l'étude du genre Erebia. 10. Lambillionea 53:5-11. Feb.25,1953. 420 N15

56682 LESSE, H. DE. Note sur le genre Kanetisa (Satyridae). Rev. Franç. de Lépidoptérologie13:257-259. May/Sept.1952. 421 P192

56683 LESSE, H. DE. Sur la validité spécifique de Pararge xiphia F. et xiphiodes Stgr. [Lep. Satyridae]. Soc. Ent. de France. B. 57:152-155. Ref. Dec.1952. 420 F84B

56684 LEVER, R. J. A. W. Notes on outbreaks, the parasites and habits of the coconut moth Artona catoxantha Hamps. Malayan Agr. J. 36:20-27. Ref. Jan.1953. 22.5 F312

56685 LOBERBAUER, R. Eine neue form von Lygris pyraliata Schiff. (dotata Stgr.). Wien. Ent. Gesell. Z. 37: 26. Sept.30,1952. 421 Os7

56686 MARION, H. Ebauche d'une classification nouvelle des Pyraustidae. Rev. Franç. de Lépidoptérologie 13:260-269. May/Sept.1952. 421 P192
Includes new subfamily Evergestinae.

56687 MATHES, R., and others. Sugarcane borer [Diatraea saccharalis] infestation and loss in Louisiana. Sugar B. 31:212. Apr.1,1953. 65.9 Am32
W. E. Haley, L. J. Charpentier, A. L. Dugas, and E. J. Cancienne, joint authors.

56688 MAZZUCCO, K. Irrgäste in Salzburg. Wien. Ent. Gesell. Z. 37:25. Sept.30,1952. 421 Os7
Butterflies.

56689 MEYER, J. H. Eine neue form der amerikanischen Catocala relicta Walker. Wien. Ent. Gesell. Z. 37:7-10. Sept.30,1952. 421 Os7

56690 MEYER, J. H. Ein neuer Catocala-hybrid. Wien. Ent. Gesell. Z. 37:65-71. Oct.15,1952. 421 Os7

56691 MICHAELIS, H. N. Microlepidoptera in Cheshire and South Lancashire in 1952. Ent. Rec. & J. Variation 65:74-76. Mar.1953. 421 En89

56692 MUTZ, H. Der "posthornwickler [Ryacionia buoliana]" - ein schädlicher kleinschmetterlung des kiefernwaldes. Urania 16:28-30. Jan.1953. 474 Ur1

56693 NEWMAN, L. H. Linger and look. London, Staples Press,1952. 199 p. 430 N462L
Chiefly Lepidoptera.

56694 NIELSEN, A., and NIELSEN, E. T. Migrations of the pieride butterfly Ascia monuste L. in Florida. Ent. Meddel. 26:386-391. 1952. 421 En82

56695 NOLTE, H. W., and FRITZSCHE, R. Beobachtungen anlässlich des massenauftretens der ypsiloneule (Rhyacia-Agrotis ypsilon Rott.) im sommer 1952 im Mitteldeutschland. Anz. f. Schädlingsk. 26:33-35. Mar.1953. 421 An9

56696 OBRAZTSOV, N. Sur les genres Gypsonomoides Obr. et Hendecaneura Wlsm. (Lepidoptera, Tortricidae). Soc. Ent. de Belg. B. & Ann. 88:245-251. Ref. Oct.28,1952. 420 B41
Includes a new species in Gypsonomoides.

56697 OLIVIER, R. Orthonama obstipata Fabricius et ses premiers états. Rev. Franç. de Lépidoptérologie 13:239-240. May/Sept.1952. 421 P192

56698 ORTEGA, J. C. Control of codling moth in southern California. Diamond Walnut News 35(2):14-15. Mar.1953. 94.68 D34
Carpocapsa pomonella.

56699 OU, S. H. The war against rice borers in Taiwan. Chin.-Amer. Econ. Coop. 2(2):1-9. Feb.1953. 173.2 M98C
Chilo simplex, Schoenobius incertellus, and Sesamia inferens.

56700 PASSMORE, L. The life of the tomato moth. Nat. Mag. 46:197-200. Apr.1953. 409.6 N214
Protoparce sexta.

56701 POLOZHENTSEV, P. A., and KOROVINA, N. I. Calymnia trapezina—seed pest of Ulmus species. (In Russian.) Les i Step' 4(10):81. Oct.1952. 99.8 L565
Cosmia (Calymnia) trapezina.

56702 RAFFENSPERGER, E. M., and RUTSCHKY, C. W. A comparison of ovicides against corn earworm [Heliothis armigera] eggs. J. Econ. Ent. 46:100-102. Feb.1953. 421 J822

56703 REINIGER, C. H. Tomato borers; characteristics of the butterflies Neuleucinodes elegantalis and Heliothis obsoleta [i.e. armigera]. (In Portuguese,) Lav. e Criação 7(45):13-15. Dec.1952. 49 L392

56704 ROBINSON, D. Garden bagworm, Apterona crenulella (-helix) in Nevada and Placer Counties, California. Calif. Dept. Agr. B. 42:25-33. Jan./Mar.1953. 2 C12M

56705 RODRIQUEZ, J. G., and PRICE, W. A. How to control the European corn borer [Pyrausta nubilalis]. Ky. Agr. Col. Ext. C. 495,8 p. n.d. 275.29 K415

56706 ROLSTON, L. H. Corn borer [Pyrausta nubilalis] invasions. Ark. Farm Res. 2:4. Spring 1953. 100 Ar42F

56707 ROSENSTIEL, R. G. The omnivorous leaf tier [Cnephasia longana] problem. Oreg. State Hort. Soc. Proc. 67:73-74. 1952. 81 Or32

56708 RUITER, L. DE. Camouflage in the pine forest. I. The pine hawkmoth [Sphinx pinastri]. (In Dutch.) Levende Nat. 56:41-48. Mar.1953. 410 L57

56709 SCHULTZ, V. G. M. Neue beiträge zur schmetterlingskunde. 12. Eine ab ovo-zucht von Cacoecia [i. e. Tortrix] unifasciana Dup. (Lep. Tortricidae). Wien. Ent. Gesell. Z. 37:72-80. Ref. Oct.15,1952. 421 Os7

56710 SCHWERDTFEGER, F. Studien über den massenwechsel einiger forstschädlinge. IV. Untersuchungen über den "eisernen bestand" von kiefernspanner (Bupalus piniarius L.), forleule (Panolis flammea Schiff.) und kiefernschwärmer (Hyloicus [i. e. Sphinx] pinastri L.). Z. f. Angew. Ent. 34:216-283. Ref. Dec. 1952. 421 Z36

56711 SCHWINGENSCHUSS, L. Kleiner beitrag zur Lepidopterenfauna von Herzogenburg und umgebung. Wien. Ent. Gesell. Z. 37:84-88. (Cont.) Oct.15,1952. 421 Os7

56712 SCHWINGENSCHUSS, L. Nachtrag zur Heterocerenfauna von Korneuburg in Niederösterreich. Wien. Ent. Gesell. Z. 37:5-7. Sept.30,1952. 421 Os7

56713 SHTEĬNBERG, D. M. Beet armyworm (Laphygma exigua Hb.) as a pest of tree species in the Ural area. (In Russian.) Zool. Zhur. 32:25-29. Ref. Jan./Feb.1953. 410 R92

56714 SIPPELL, W. L. The forest tent caterpillar [Malacosoma disstria] in north-western Ontario. Thunder Bay Timber Oper. Assoc. Log Book 4(6):6. Mar./Apr.1953. 99.9 T42

56715 SOENEN, A., and AERTS, R. Contribution à l'étude des mineuses des arbres fruitiers. Fruit Belge 21:1-5,28-31,45-48,58-61. (Cont.) Jan.-Apr.1953. 80 F9493

56716 STEMPFFER, H. Contribution à l'étude de quelques Lycènes d'Europe Occidentale. Lambillionea 53:12-18. Feb.25,1953. 420 N15
Includes species in Lycaeides and Lysandra.

56717 STORACE, L. Recherches sur le groupe africain de Papilio nireus L. Lambillionea 52:75-76. Dec.25,1952. 420 N15

56718 SYMES, H. Some experiences in breeding varieties of Panaxia dominula Linn. Ent. Rec. & J. Variation 65:67-69. Mar.1953. 421 En89

56719 TASCHENBERG, E. F. Control of grape berry moth [Polychrosis viteana] with synthetic organic insecticides. J. Econ. Ent. 46:77-84. Feb.1953. 421 J822

56720 TASCHENBERG, E. F. Evaluation of petroleum and vegetable oils on grape berry moth [Polychrosis viteana] eggs. J. Econ. Ent. 46:85-91. Ref. Feb.1953. 421 J822

56721 TOLEDO, A. A. DE. Notes on the control of the fig borer, Azochis gripusalis. (In Portuguese.) Biológico 18:167-169. Oct.1952. 442.8 B529

56722 TOLL, S. Studien über die genitalien einiger Coleophoriden. IX. Wien. Ent. Gesell. Z. 37:99-101. Oct.30,1952. 421 Os7

56723 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of the spruce budworm [Choristoneura fumiferana] and its control. Washington, 1953? 1 p. 1.967 A2In84

56724 VIETTE, P. Les types de Tordeuses de Meyrick appartenant au Muséum de Paris. Soc. Ent. de France. B. 57:148-152. Dec.1952. 420 F84B

56725 VIETTE, P. E. L. Contribution to the study of Hepialidae (29th note). Entomologist 86:81-82. Mar. 1953. 421 En8
Aplatissa n g.

56726 WARNECKE, G. Eugraphe (Agrotis) subrosea Steph.: die unterschiede der österreichischen lokalform kieferi Reb. und der nordwestdeutschen rubrifera Warn. Wien. Ent. Gesell. Z. 37:81-84. Oct.15,1952. 421 Os7

56727 WELCH, C. L., and others. Pink bollworm [Pectinophora gossypiella]. Amer. Cotton Cong. Proc. 13: 80-85. 1952. 72.9 C825
C. R. Sayre, C. B. Spencer, L. F. Curl, and J. C. White, joint authors.

56728 WILKINS, V. E. Fall webworm [Hyphantria cunea] in Austria and Yugoslavia in 1952. Plant Protect. B. [Rome] 1:55. Jan.1953. 421 P692

56729 WITTSTADT, H. Uber die zucht von Bunea alcinoe Stoll. Wien. Ent. Gesell. Z. 37:26-29. Sept.30, 1952. 421 Os7

56730 WORM-HANSEN, J. G. Epichnopteryx pulla Esp., new to Denmark. (In Danish.) Ent. Meddel. 26:384. 1952. 421 En82

56731 WORMS, BARON DE. Collecting Lepidoptera in the Eastern Counties; some reminiscences. Suffolk Nat. Soc. Trans. 8:43-46. 1952. 410.9 Su2

56732 WORZ, A. Die Lepidopterenfauna von Württemberg. II. Microlepidopteren. Kleinschmetterlinge. Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107:191-211. 1951,pub.1952. 509 W96

56733 YOSHIMEKI, M., KATO, M., and TOMITA, G. Serological studies of some ecological strains of the rice stem borer, Chilo simplex Butler. Tôhoku U. Sci. Rpt. Ser. 4 (Biol.) 19:335-338. Oct.1952. 513 T574Ab

56734 ZOEBELEIN, G. Gespinstmottenraupen als vogelvernichter. Anz. f. Schadlingsk. 26:23-24. Feb. 1953. 421 An9
Hyponomeuta species.

56735 ZOPP, J. Celerio-studien. I. Wien. Ent. Gesell. Z. 37:44-47. Sept.30,1952. 421 Os7

See also Sericulture and the Silkworm.

ORTHOPTERA

56736 BODINE, J. H. Carbohydrate metabolism of the developing egg and embryo. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):17. Mar.1953. 442.9 F31P
Of Melanoplus differentialis.

56737 BURGESS, W. B. The cannibal mantis. Ky. Nat. 7:18-21. Winter 1953. 409.6 K41
Photographs.

56738 CURRIE, P. W. E. The 'drumming' of Meconema thalassinum Fabr. Ent. Rec. & J. Variation 65:93-94 Mar.1953. 421 En89

56739 DANSAN, A. Sur le chant de l'Eugaster spinulosus Joh. (Orthop. Tettigon). Soc. des Sci. Nat. du Maroc. Compt. Rend. 8:127-128. Feb.12,1953. 515 Sol C

56740 DIRSCH, V. M. Charilainae, a new subfamily of Acrididae (Orthoptera). Ann. & Mag. Nat. Hist. (ser.12)6:161-173. Mar.1953. 410 An77
Includes new genus Hemicharilaus.

56741 DIRSH, V. M. Studies on new and little known African Acrididae (Orthoptera). Rev. de Zool. et de Bot. Africaines 46:258-268. Dec.24,1952. 410 R326
Includes new species in Apoboleus, and new genera Hemipristocorypha and Pseudophialosphera.

56742 DRESDEN, D., and NIJENHUIS, E. D. On the anatomy and mechanism of motion of the mesothoracic leg of Periplaneta americana. Nederland. Akad. van Wetensch. Proc. Ser. C. Biol. & Med. Sci. 56:39-47. Jan./Feb.1953. 442.9 Am8

56743 DURAND, M. C. Evolution de la chromatine dans la spermatogenèse de Gryllus bimaculatus. B. Biol. de la France et de la Belg. 86:381-403. Ref. Fourth Q. 1952. 473 B87

56744 FORTESCUE-FOULKES, J. Seasonal breeding and migrations of the desert locust (Schistocerca gregaria Forskål) in south-western Asia. Brit. Mus. (Nat. Hist.) Anti-Locust Mem. 5,36 p. 1953. 420 B772

56745 GRAYSON, J. M. Effects on the German cockroach [Blattella germanica] of twelve generations of selection for survival to treatments with DDT and benzene hexachloride. J. Econ. Ent. 46:124-127. Feb.1953. 421 J822

56746 GURNEY, A. B. Distribution, general bionomics, and recognition characters of two cockroaches recently established in the United States. U. S. Natl. Mus. Proc. 103:39-56. Ref. 1953. 500 Sm65P
Ectobius livens and Leucophaea maderae.

56747 HARVEY, G. T., and BECK, S. D. Muscle succinoxidase in the American cockroach [Periplaneta americana]. J. Biol. Chem. 201:765-773. Ref. Apr.1953. 381 J824

56748 HUTCHINS, R. E., and LANGSTON, J. M. An unusual occurrence of the field cricket [Acheta assimilis luctuosus]. J. Econ. Ent. 46:169. Feb.1953. 421 J822

56749 HYDE, G. E. The lives of grasshoppers. Country Life [London] 112:1122. Oct.10,1952. 80 C83

56750 KATIYAR, K. N. A new mode of copulation in the short-horned grasshoppers (Orthoptera, Acrididae). Z. f. Angew. Ent. 34:284-290. Dec.1952. 421 Z36

56751 KEY, K. H. L. A provisional check-list of the Acridoidea of Tasmania (Orthoptera). Roy. Soc. Tasmania. Papers & Proc. 86:127-130. 1952. 514 H65

56752 LA GRECA, M. A new Decticinae (Orth.Tett.) from the Ponza Archipelago. (In Italian.) Napoli. U. Ist. e Mus. di Zool. Annu. 4(6),6 p. Apr.1952. 410.9 N1622
English summary.
Rhacocleis tyrrhenica.

56753 LA GRECA, M. New species and critical notes on East African Mantodea. (In Italian.) Napoli. U. Ist. e Mus. di Zool. Annu. 4(1),54 p. 1952. 410.9 N1622
English summary.
Includes new species in Tarachodes, Galepsus, Oxyophthalmellus, Oxyothespis, Pareuthyphlebs, Calamothespis, and Hypsicorypha.

56754 MCFARLANE, J. E. The morphology of the chordotonal organs of the antenna, mouthparts and legs of the lesser migratory grasshopper, Melanoplus mexicanus mexicanus (Saussure). Canad. Ent. 85:81-103. Ref. Mar.1953. 421 C16

56755 PICHLER, F. Uber den bau und bewegungsmechanismus der cerci bei Calliptamus italicus L. (Ortopt., Salt.). I. Osterr. Zool. Z. 3:534-545. Ref. 1952. 410 Os7

56756 RAMME, W. Die Orthopteren des Elsass. Berlin. Zool. Mus. Mitt. 28:145-149. 1951,pub.1952. 410.9 B45

56757 REHN, J. A. G. On the genus Gesonula (Orthoptera: Acrididae: Cyrtacanthacridinae). Amer. Ent. Soc. Trans. 78:117-136. Sept./Dec.1952. 420 P53

56758 SAUVAGEAU, J. L. Le criquet sauterelle (famille des Locustidés). Rev. d'Oka 27:1-21. Ref. Jan./Feb.1953. 7 Ok1

56759 SCHIMITSCHEK, E. Die darstellung einer heuschreckenplage auf dem wandgemälde des Thomas vor Villach am Dom zu Graz. Anz. f. Schädlingsk. 26:42-44. Mar.1953. 421 An9

56760 SHARMAN, G. B. The cytology of Tasmanian short-horned grasshoppers (Orthoptera: Acridoidea). Roy. Soc. Tasmania. Papers & Proc. 86:107-122. Ref. 1952. 514 H65

56761 TIPTON, S. R., and AMAND, G. S. S. Respiratory metabolism of grasshopper embryos (Chortophaga viridifasciata). (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):144. Mar.1953. 442.9 F31P

56762 VOY, A. Régénération et croissance des pattes atypiques chez le phasme (Carausius morosus Br.). B. Biol. de la France et de la Belg. 86:449-470. Ref. Fourth Q.1952. 473 B87

SERICULTURE AND THE SILKWORM

56763 GOTO, S., and KUROKAWA, M. Studies on the bave with electron-microscope. III-IV. (In Japanese.) J. Sericult. Sci. Japan 21:39-42. Apr.1952. 425.9 Se6
English summary.

56764 HASEGAWA, K. Studies on the voltinism in the silkworm, Bombyx mori L. II. (In Japanese.) J. Sericult. Sci. Japan 21:1-6. Apr.1952. 425.9 Se6

56765 ITO, T., TANAKA, M., and YANAGIDA, M. Change of the refractive index of body fluid during the moulting period in Bombyx mori. (In Japanese.) J. Sericult. Sci. Japan 21:21-22. Apr.1952. 425.9 Se6
English summary.

56766 IWABUCHI, H. On the elements of production cost of the cocoon and the structure of farm management. (In Japanese.) J. Sericult. Sci. Japan 21:43-48. Apr.1952. 425.9 Se6

56767 IWANARI, Y. On the oxygen consumption in the fasted and the stigma-closed silkworm. (In Japanese.) J. Sericult. Sci. Japan 21:15-20. Ref. Apr.1952. 425.9 Se6

56768 LEGAY, J. M. Le jeûne absolu et son influence sur la mue chez le ver à soie. France. Inst. Natl. de la Rech. Agron. Ann. Sér. C, Ann. des Épiphyt. 3:309-313. July/Sept.1952. 464.9 F84An

56769 MUKAIYAMA, F. Studies on the secretion of salivary gland in the silkworm larva. (Preliminary report) (In Japanese.) J. Sericult. Sci. Japan 21:23-27. Ref. Apr. 1952. 425.9 Se6

56770 MUKERJI, D., and BANERJEE, S. N. The early embryonic stages of the silkworm, Bombyx mori, nistid yellow variety. Zool. Soc. Bengal. Proc. 5:19-27. Mar.1952. 410.9 Z73

56771 NITTONO, Y. Tyrosinase in the blood of silkworms, Bombyx mori. I. Differences by substrates. (In Japanese.) J. Sericult. Sci. Japan 21:29-32. Apr. 1952. 425.9 Se6
English summary.

56772 NOLAN, J. E. H. Silkworms in England spin for the queen. Natl. Geog. Mag. 103:689-704. May 1953. 470 N213

56773 OBA, H. On a method to make the durable preparation of the young embryo in the silkworm. (In Japanese.) J. Sericult. Sci. Japan 21:28. Apr.1952. 425.9 Se6

56774 SHIMIZU, S., and HORIUCHI, Y. Relation between the number of silkgland-cells and the amount of silk secretion in the silkworm, Bombyx mori L. (In Japanese.) J. Sericult. Sci. Japan 21:37-38. Apr.1952. 425.9 Se6

56775 SUZUKI, C. Microclimate of the silkworm rearing room (Gunsan-type) for earlier stage of the worms. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:99-100. Nov.1952. 340.9 So1
English summary.

56776 TONON, A. Work in progress for the improvement of the yield of the cocoon. (In Italian.) Agr. delle Venezie 7:88-96. Feb.1953. 16 Ag826
Italian sericulture.

56777 YOKOO, T., and others. On the microclimate in the silkworm-rearing house. (In Japanese.) Soc. Agr. Met. Japan. J. Agr. Met. 7:105-107. Nov.1952. 340.9 So1
F. Oomori, S. Tabata, and T. Hattori, joint authors. English summary.

56778 YOSHITAKE, N., and ARUGA, H. On the uric acid content in the integument and the blood of several mutants in the silkworm. (In Japanese.) J. Sericult. Sci. Japan 21:7-14. Apr.1952. 425.9 Se6
English summary.

SMALLER ORDERS

56779 BAUDISSIN, F. GRAF VON. Die wirkung von pflanzenschutzmitteln auf collembolen und milben in verschiedenen böden. Zool. Jahrb. Abt. f. System. Okol. u. Geog. der Tiere 81:47-90. Ref. Mar.31,1952. 410 Z751S

56780 BECKER, H. Ein blasenfuss (Drepanothrips reuteri Uzel) als einmieter in den blattgallen der reblaus (Phylloxera vitifolii Fitch.). Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 60:86-87. Feb.1953. 464.8 Z3

56781 CABRERA, J. I., MCANALLY, W. J., and MONTOYA, J. A. Informe sobre las actividades en el control del tifo en la Republica de Guatemala: 1946-1951. Ofic. Sanit. Panamer. B. 34:225-235. Mar.1953. 449.9 P192B
English summary.
Includes use of DDT for lice control.

56782 COOKE, C. H. The May-fly. Birds & Country Mag. 6(27):11-13. Spring 1953. 413.8 B535

56783 COOREMAN, J. Anoplura des faunes de Belgique et du Congo Belge. Inst. Roy. des Sci. Nat. de Belg. B. 28(64),7 p. Dec.1952. 504 B835B

56784 DAY, W. C. A new mayfly genus [Edmundsius] from California (Ephemeroptera). Pan-Pacific Ent. 29: 19-24. Jan.1953. 421 P193

56785 DELANY, M. J. The status of Dilta thornleyi Wom. (Thysanura, Machilidae). Ent. Mon. Mag. 89:77-78. Apr.1953. 421 En86

56786 DEMOULIN, G. Essai de nouvelle clé pour la détermination des Oligoneuriidae (Insectes Éphéméroptères). Inst. Roy. des Sci. Nat. de Belg. B. 28(43),4 p. Ref. June 1952. 504 B835B

56787 EWART, W. H., and ELMER, H. S. Use of dieldrin for control of citrus thrips [Scirtothrips citri]. Citrus Leaves 23(4):24. Apr.1953. 80 C492

56788 GILES, E. T. Aspects of the relationships, bionomics, and life history, of Anisolabis littorea (White), (Dermaptera: Labiduridae). (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:87. 1951,pub.1952. 90.09 R81R

56789 GISIN, H. Collembola from Jan Mayen Island. Ann. & Mag. Nat. Hist. (ser.12)6:228-234. Mar.1953. 410 An77
Includes new species in Onychiurus and Folsomia.

56790 HARRIS, J. R. An angler's entomology. London,Collins,1952. 268 p. Ref. (The New Naturalist; a Survey of British Natural History 23) 432 H24
Ephemeroptera, Plecoptera and Trichoptera chiefly.

56791 KIMMINS, D. E. Miss L. E. Cheesman's expedition to New Caledonia, 1949—orders Odonata, Ephemeroptera, Neuroptera and Trichoptera. Ann. & Mag. Nat. Hist. (ser.12)6:241-257. Apr.1953. 410 An77
Includes new species in Synthochrysa, Xanthochorema n.g., Hydrobiosella, Caledopsyche n.g., and Mecynostomella n.g.

56792 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. DEPT. OF ENTOMOLOGY. European earwig [Forficula auricularia]. Mass. U. Agr. Ext. Spec. C. 193,2 p. Apr.1952. 275.29 M381Sc

56793 MOORE, B. P. Some records of dragonflies with their prey. Ent. Mon. Mag. 89:94. Apr.1953. 421 En86

56794 MORSE, W. J., and BLICKLE, R. L. A check list of the Trichoptera (caddis flies) of New Hampshire. Ent. News [Philadelphia] 64:97-102. Apr.1953. 421 En88

56795 ORTIZ MARIOTTE, C. Campaña nacional contra el tifo en Mexico. Ofic. Sanit. Panamer. B. 34: 236-244. Mar.1953. 449.9 P192B
English summary.
Eradication of Pediculus humanus corporis with DDT.

56796 PASTEELS, J. Enquêtes sur les Strepsitères. 3. Pseudoxenos vanderiisti n.sp. Soc. Ent. de Belg. B. & Ann. 88:252-253. Oct.28,1952. 420 B41

56797 PETERSON, H. Thrip. African Violet Mag. 6(3):8. Mar.1953. 80 Af8

56798 PRINCIPI, M. M. Zoological research on the Pollino Massif (Lucania-Calabria. VI. Neuroptera. (In Italian.) Napoli. U. Ist. e Mus. di Zool. Annu. 4(10),22 p. Ref. Sept.1952. 410.9 N1622
English summary.

56799 PRINCIS, K. Blattarien aus Venezuela, gesammelt von herrn G. Marcuzzi. Napoli. U. Ist. e Mus. di Zool. Annu. 4(12),11 p. Ref. Dec.1952. 410.9 N1622
English summary.
Includes new species in Melestora, Eurycotis, and Antioquita.

56800 RICHARDSON, B. H. Control of onion thrips [Thrips tabaci] in the winter garden area of Texas. J. Econ. Ent. 46:92-95. Ref. Feb.1953. 421 J822

56801 ROTHSCHILD, M., and CLAY, T. Fleas, flukes & cuckoos; a study of bird parasites. London, Collins,1952. 304 p. Ref. (The New Naturalist Library, Special 7) 436 R74

56802 SARMA, P. S. Easy technique of dissecting the mouth-parts of sucking-lice (Insecta: Anoplura). Cur. Sci. 22:47. Feb.1953. 475 Sci23

56803 SCHMIDT, H. Exportgeschäft und termitenschutz. Holz-Zentbl. 79:422. Mar.24,1953. 99.81 H742

56804 SHANAHAN, G. J., and WRIGHT, P. Fogging with BHC for control of sheep lice. Agr. Gaz. N. S. Wales 64:65-66,90-94. (Cont.) Feb.1953. 23 N472

56805 SMITH, W. W. The house mouse (Mus musculus Linnaeus) in Mississippi: reproduction, ectoparasites, and relation to murine typhus. Tulane U. Grad. Sch. Abs. Diss. & Theses 1952:70-74. 241.8 T82
Fleas, lice, and mites.

56806 TOHM, G. L. Some Siphonaptera from Pima County, Arizona. Pan-Pacific Ent. 29:42. Jan.1953. 421 P193

56807 TRAUB, R. Wenzella obscura, a new genus and new species of flea from Guatemala (Siphonaptera). Wash. Acad. Sci. J. 43:77-85. Mar.1953. 500 W276J

56808 TUNBLAD, B. Directions for the control of earwigs [Dermaptera]. (In Swedish.) Sweden. Stat. Växtskyddsanst. Växtskyddsnöt. 4:61-63. Sept.1952. 464.9 Sw3V

56809 WEHRLE, L. P. A host index of some Arizona fleas. (Siphonaptera). Pan-Pacific Ent. 29:37-41. Jan. 1953. 421 P193

56810 WESTFALL, M. J. The nymph of Miathyria marcella Selys (Odonata). Fla. Ent. 36:21-25. Mar. 1953. 420 F662

56811 WRAY, D. L. A new Prospinanura (Collembola) from North Carolina. Brooklyn Ent. Soc. B. 48:40. Apr. 1953. 420 B79

56812 WRAY, D. L. Two new North American Isotoma (Collembola) and key to eyeless forms. Brooklyn Ent. Soc. B. 48:54-56. Apr.1953. 420 B79

56813 WYGODZINSKY, P. Contribution towards a knowledge of the Thysanura (Apterygota, Insecta) of the Belgian Congo. Rev. de Zool. et de Bot. Africaines 46: 373-385. Dec.24,1952. 410 R326
Includes new species in Paramachilis, Lepisma, and Leleupychella n.g.

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

56814 BRETON, J. F. La sécurité à la ferme. Rev. Agr. de l'Afrique du Nord 51:295-297. Mar.20,1953. 80 R326
Accidents and fires.

56815 CARPENTER, R. W. How many acres? How to calculate field areas. Md. Agr. Col. Ext. Fact Sheet 65, 4 p. Apr.1953. 275.29 M36Fa

56816 CASHMORE, W. H. The National Institute of Agricultural Engineering. Engineering 175:414-415,441-442. Mar.27-Apr.3,1953. 290.8 En322

56817 GARCÍA-TEJERO, F. D. Topografía general y agrícola. Barcelona,1953. 628 p. (Colección Agrícola Salvat) 325 G16

56818 JACOB, F. C. Simple measurements of small time interval. Agr. Engin. 34:258. Apr.1953. 58.8 Ag83
Electrical device.

56819 MOVCHAN, V. A. Razvitie prudovogo rybnogo khoziâĭstva v svîazi s osushchestvleniem Stalinskogo plana preobrazovaniia prirody [Development of fish pond farming in connection with the realization of the Stalin Plan to change nature]. Moskva,"Znanie",1952. 23 p. (Vsesoîûznoe Obshchestvo po Rasprostraneniîû Politicheskikh i Nauchnykh Znaniĭ, Moscow. [Broshîûry-Stenogrammy Lektsiĭ] Seriia 3,14) 414 M86

56820 O'BRIEN, M. Evaluation by graduates of the program of agricultural engineering at the Iowa State College. (Abs.) Iowa State Col. J. Sci. 27:233-234. Jan. 1953. 470 Io9

56821 PORTLAND CEMENT ASSOCIATION, CHICAGO. Fight farm fires; build a concrete fire cistern. Chicago,1952. 7 p. 292 P83Fi

56822 U. S. RURAL ELECTRIFICATION ADMIN. Directory of training and safety films. Washington,1953? 11 p. 1.933 D622

56823 WOLF, J. DE. Farm roads. II. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:40-48. Feb.1953. 12 N282

FARM MACHINES AND EQUIPMENT

56824 ALBERT, W. Über die grosse verantwortung der landtechniker. Deut. Agrartech. 3:33-36. Feb.1953. 58.8 D482
Germany, Russian Zone.

56825 ARDROP, G. A better finish to Continental machines. Farmer & Stock-Breeder 67(3308):66-67. Mar. 17,1953. 10 F228
Farm machinery at the 25th International Machinery Exhibition in Paris.

56826 ARKEMA, P. W. B. Agricultural equipment on the inundated farm. (In Dutch.) Plattelands-Post 9(11):3. Mar.19,1953. 12 P69

56827 BARMINGTON, R. D. Mechanization proves itself. U & I Cult. 13:4-6,47. Mar.1953. 66.8 U12
Sugar beets.

56828 BOLZE, E. La bâche dans l'agriculture. Fleur Bleue 22:17-19. Mar.1953. 304.8 F63

56829 BRAMAN, W. My experiences with a fork lift truck. Mich. State Hort. Soc. Proc. 82:37-40. 1952,pub. 1953. 81 M58
Fruit.

56830 BUREMA, J. J. First-class cooperative agricultural equipment associations. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:122-125. Mar.1953. 12 N383M
Netherlands.

56831 CANADA. MARKETING SERV. ECONOMICS DIV. Farm power and machinery costs in Alberta, 1950, by H. K. Scott. Ottawa,1952. 30 p. 281.358 C16

56832 CHILDERS, L. E. Fewer farmers—more production; how newer and better machines have increased labor efficiency over the past half century. Natl. Grange Mon. 50(4):6-7,24,36-37. Apr.1953. 6 N215

56833 COOPER, M. R. That extra machine may pay in the long run. Agr. Situation [Washington] 37(4):7-8,16. Apr.1953. 1 Ec7Ag

56834 CORREA, A. M. Well-planned mechanization of agriculture is not harmful to the soil. (In Portuguese.) Chacaras e Quintais 87:47-49. Jan.15,1953. 9.2 C34

56835 COVER, W., and DICK, R. C. Fans in agriculture. Inst. Brit. Agr. Engin. J. 9(3):28-47. Jan.1953. 58.9 In7
Includes discussion.

56836 CRANE, R. C. Uses of the power lift truck. Mich. State Hort. Soc. Proc. 82:40-41. 1952,pub.1953. 81 M58
Fruit.

56837 DELASNERIE, J. L'aspect technique du XXVe Salon International de la Machine Agricole. Agr. Prat. 117:117-119. Mar.1953. 14 J82

56838 DELASNERIE, J. Peut-on motoriser les exploitations familiales? Comment? Motorisation Agr. 8(77):45,47,49,51. Feb.1953. 58.8 M85

56839 DELASNERIE, J. Au XXVe Salon de la Machine Agricole. Monit. de la Mécan. Rur. 46(spec. no.) 27-28. Feb.1953. 58.8 M74

56840 ENGELHARD, J. Peut-on motoriser les exploitations familiales? Comment? Motorisation Agr. 8(77):53,55-56,59. Feb.1953. 58.8 M85

56841 ENGELHARD, J. Pour un développement du machinisme agricole; jubilé et perspectives. Monit. de la Mécan. Rur. 46(spec.no.):29,31. Feb.1953. 58.8 M74

56842 THE ENGINEERING outlook. XI. Agricultural machinery. Engineering 175:453-456. Apr.10,1953. 290.8 En322

56843 FISCHER-SCHLEMM, W. E. Geprüfte landw. maschinen und geräte. Landmasch.-Rundschau 5:64-65. Mar.1953. 58.8 L237

56844 FISHER, W. D. Marketing Kansas farm machinery. Kans. State Col. Engin. Expt. Sta. B. 67, 40 p. Nov.1,1952. 290.9 K132

56845 FOLTIN. Volkseigene landmaschinenindustrie hilft der landwirtschaft. Deut. Bauern Kal. 1953:106-107. 18 D4826
Mechanization.

56846 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Repertoire alphabetique en langue anglaise du lexique trilingue. France. Serv. de la Doc. sur le Mach. Agr. Etude 95,55 p. Feb. 1953. 58.9 F842

56847 GARANIN, F. N. Complex mechanization in growing feed beets. (In Russian.) Kormovaîa Baza 3(12) 45-48. Dec.1952. 60 K84

56848 GREPPI, S. Need for a specialized agricultural mechanization center. (In Italian.) Riso 2(3):21. Mar.1953. 59.8 R49
Italy.

56849 GRIFFITH, E. N. Mechanization on the Gold Coast. Farm Mech. 5(48):147-148. Apr.1953. 58.8 B772

56850 HARDY, W. D. Advancement in Australian farm mechanisation. (Excerpts.) Power Farming 62(2): v-vii,113,115. Feb.1953. 58.8 P87

56851 HENDERSON, F. Apply this profit and production test before you buy that new machine. Dairy Farmer [Ipswich] 26(4):18-19. Apr.1953. 44.8 D1414

56852 HINE, H. J. Farm tools and machinery. London,Oxford U. Press,1952. 127 p. (The Story of the Countryside. Ser. 2, Book 3) 58 H58F

56853 HOOGLAND, E. J. A. The Brussels agricultural fair. (In Dutch.) Boerderij 37(23):8. Mar.4,1953. 12 B63
Equipment.

56854 JONES, D. Farming on plains is highly mechanized. Tex. Hi-Plains Irrig. J. 1(10):7,19. Dec. 1952. 55.8 H61

56855 KIRAÇ, N. Mechanization of the farms. (In Turkish.) Türk Ekon. 10:364-366. Dec.1952. 280.8 T843

56856 LANGE, K. Gedanken über das verhältnis des landwirts zur modernen technik. Übersicht 4:233-239. Mar.1953. 18 Ub3
Mechanization.

56857 LE BRIARD, R. Histoire de la machine agricole. Mach. Agr. Franç. 1:39-40. Jan.1952. 58.8 M184

56858 LEDESMA, A. F. DE, and LEDESMA, E. M. DE. Mechanisation and increased farm production. Rev. River Plate 113(3141):17-19. Mar.20,1953. 286.8 R32

56859 LEES, A. B. Education and farm mechanization; training is essential for the economic use of power on the land. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.84-87. Mysore,1952. 389 M992

56860 LENTZ, J. H. Maschineneinsatz im kartoffelbau. (Extr.) Hannoversche Land- u. Forstwirt. Ztg. 106:285. Mar.7,1953. 18 H194

56861 MEINDL, G. Die landwirtschaft auf der Wiener Frühjahrsmesse; vorschau auf die landmaschinenausstellung. Landwirtschaft 5/6:75-77. Mar.1953. 19 L235

56862 MOWERY, A. S. General purpose farm elevator; build this adjustable and portable elevator in your own shop. Hoard's Dairyman 98:388-389. Apr.25, 1953. 44.8 H65

56863 MÜLLER, A. Die gütekontrolle im landmaschinenbau. Deut. Agrartech. 3:49-53. Feb.1953. 58.8 D482

56864 NANNA, S. The teaching of mechanization in agriculture in the Professional Agrarian Institute of Padua. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:51-53. Feb.1953. 16 C72

56865 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. The Hart four-purpose elevator. Natl. Inst. Agr. Engin. Rpt. Tests RT67,17 p. 1952. 58.9 N214R

56866 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. Michigan portable conveyor elevator. Natl. Inst. Agr. Engin. Rpt. Tests RT64,6 p. 1952. 58.9 N214R

56867 NUNAMAKER, R., and others. Mechanical Orchard Aids Panel. Oreg. State Hort. Soc. Proc. 67:47-48. 1952. 81 Or32
R. Tallman, S. Nye, and R. Cook, joint authors.
Discussion of equipment.

56868 PERGLAS. Landtechnik für den kleinen bauern: kleinschlepper, ladegerät, dungstreuer. Tech. f. Bauern u. Gärt. Ausg. A 5:97-98. Mar.10,1953. 58.8 T223

56869 POHLS, E. Die agrartechnik in der neuen studienreform des landwirtschaftstudiums. Deut. Landwirt. 4:105-106. Feb.1953. 18 D4822
Russian Zone.

56870 RAUSCHER. Amerikas landarbeit. Bauer 6 (14):3-5. Apr.4,1953. 19 B32
Mechanization.

56871 REMUS, J. Evolution d'un capital d'exploitation: importance du capital machine. Culture 40:17-19. Jan./Feb.1953. 14 C894
Equipment costs and returns.

56872 RENAUD, G. La mécanisation de la culture de l'arachide. Mach. Agr. Mod. 6(3):9,26. 1952? 58.8 M183

56873 RICKARD, J. A. What's new in farming? Your Farm 12(4):69-74. Apr.1953. 6 Y8
Gadgets and crops.

56874 ROBERGE, L. La grosse machinerie vous fait-elle peur? B. des Agr. 35(3):14,69. Mar.1953. 7 B872
Cooperative purchasing.

56875 SCOTT, H. K. Farm power and machinery costs in Alberta, 1950. Ottawa,1952. 30 p. 58 Sco82

56876 STOCKKLAUSNER, F. Der mähdrescher nur eine zwischenstation zur vollmechanisierung. Tech. f. Bauern u. Gärt. Ausg. A 5:105-106. Mar.10,1953. 58.8 T223

56877 THOMPSON, J. L., and WENHARDT, A. Cost charges for agricultural machinery. Canada. Dept. Agr. P. 881,13 p. Ref. Dec.1952. 7 C16Pu

56878 TITTA, C. 55th International Agricultural Fair at Verona. (In Italian.) Macch. & Motori Agr. 11:231-232. Mar.1953. 58.8 M13
Equipment

56879 TOLMAN, B. Join the march of machines. U & I Cult. 13:7-10. Mar.1953. 66.8 U12
Sugar beets.

56880 TROGOFF, P. DE. La motorisation des exploitations familiales agricoles en Bretagne. Motorisation Agr. 8(77):59,61,63,65. Feb.1953. 58.8 M85

56881 WATTS, F. T. An aircraft designer looks at farm implements. Power Farmer 10:124-125. Apr.1953. 58.8 P872

56882 WINKHOFF, H. H. Spring mechanization. Crystal-ized Facts Sugar Beets 7(2):10-11. Spring 1953. 66.8 C88

Animal Husbandry Equipment

56883 BARLEY, H. D. Poultry appliances. Brit. Dairy Farmers' Assoc. J. 56:199-201. 1952. 44.9 B77

56884 FREUDENBERGER, W. Ist die melkmaschine als gemeinschaftsmaschine geeignet? Melkmaschinendienst, p.1-2. In Unser Milchvieh 5(3). Mar.1953. 43.8 Un7

56885 GHIGGOILE, O. A. Regulatory aspects of permanent milking machine pipe-line installations. J. Milk & Food Technol. 15:206-208. Sept./Oct.1952. 44.8 J824

56886 GOETZ, K. Die schweine wollen nicht immer den gleichen "eintopf." Tech. f. Bauern u. Gärt. Ausg. A 5:106-107. Mar.10,1953. 58.8 T223
Equipment.

56887 HECKER, E. Maschinenmelken?—Ja, aber richtig! Salzburger Bauer 8(11):16. Mar.12,1953. 19 Sa3

56888 HELDEN, P. J. J. VAN. The construction of a pasture installation for the milking machines. (In Dutch.) Boerderij 37(27):13. Apr.1,1953. 12 B63

56889 HERMANN, J. Richtlinien für den verkauf und einsatz von melkmaschinen. Landtechnik 8:154-155. Mar.31,1953. 58.8 L235

56890 HURST, I. M. Mechanical feeders are not robots. Canad. Poultry Rev. 77(4):10-11. Apr.1953. 47.8 C16

56891 KINZELBACH, W. Die melkmaschine als gemeinschaftsanlage. Landtechnik 8:127-128. Mar.15,1953. 58.8 L235

56892 LALANNE, R. La machine à traire. Rev. de l'Elevage 8(spec.no.Vache Lait.):91,93,95. 1953. 49 B462

56893 LARSEN, E. New washing apparatus for milking machines. (In Danish.) Andelsbladet 54:242. Mar.12, 1953. 280.28 An2

56894 LATTEUR, F. Elevage artificiel des poussins. Sillon Belge 23(548):24. Feb.21,1953. 13 Si3

56895 MAPES, W. H. Commercial broiler raising. Farm Electrif. 7(2):10-12. Mar./Apr.1953. 335.8 F224
Equipment.

56896 MERLE, R. Histoire du fer a cheval. Nature [Paris] 3216:126-127. Apr.1953. 473 N21

56897 MUIR, J. Ten minutes and twopence. Brit. Goat Soc. Ybk. 1953:38-39,41,43. 40.19 B77
Chiefly equipment.

56898 PETTIS, A. M., and DRIGGERS, J. C. An electric chick brooder. Fla. Agr. Col. Ext. C. 113,4 p. Feb.1953. 275.29 F66C

56899 PETTIS, A. M., and GOEN, O. F. Electric pig brooders. Fla. Grower 61(4):12,25. Apr.1953. 80 F6622
Designs and specifications.

56900 QUERTON, V. F. Le matériel de laiterie fermière au Salon de l'Agriculture. Sillon Belge 23(553): 1-2. (Cont.) Mar.28,1953. 13 Si3

56901 STEINMETZ, H. Wie steht es um die melkmaschine? Landmasch.-Rundschau 5:31-33. Feb.1953. 58.8 L237

56902 WARD, F. Halter breaking headgear. West. Horseman 18(4):13,29-30. Apr.1953. 42.8 W522

56903 WIJK, P. J. Mechanical hatching. (In Dutch.) Pluimveeteelt 6(4):1-2. Feb.13,1953. 47.8 P722

Cultivation and Tillage Equipment

56904 BERNACKI, H. Results of tests with plough bodies designed by the Institute for the Mechanization and Electrification of Agriculture. (In Polish.) Rocz. Nauk Roln. 65:195-216. 1952. 20.5 R59
English summary.

56905 COLEMAN, P. G. Wet padi mechanisation investigations in Province Wellesley during the 1950-51 season. Malayan Agr. J. 36:3-19. Jan.1953. 22.5 F312

56906 CUNHA, O. R. DA. Cultivators: what they are, what they do, and how to manage them. (In Portuguese.) Inform. Agr. [Rio de Janeiro] 6(99):11. Apr.1952. 9.2 In3

56907 DOBERVICH, D. Experiences with a rotary cultivator. Crystal-ized Facts Sugar Beets 7(2):39-40. Spring 1953. 66.8 C88

56908 GEMEREN, P. VAN. Mechanization of horticulture still poses problems. (In Dutch.) Plattelands-Post 9(7):7. Feb.19,1953. 12 P69

56909 GOFF, A. A new buzz in bee circles. Ford Farming 6(2):7. Spring 1953. 58.8 F752
Mechanical pollination.

56910 HOFF, P. R. How to adjust your plow hitch. Hoard's Dairyman 98:330. Apr.10,1953. 44.8 H65

56911 HOOGLAND, E. J. A. Row weeding. (In Dutch.) Boerderij 37(22):7-8. Feb.25,1953. 12 B63
Equipment.

56912 JANERT, H. Der rotorpflug. Deut. Agrartech. 3:41-44. Feb.1953. 58.8 D482

56913 KELLY, J. T. A home-made implement for breaking down newly ploughed land. Tasmanian J. Agr. 24:42-45. Feb.1,1953. 23 T182T

56914 KLEIMANN, W. Maschineneinsatz bei der frühjahrsbestellung. Landwirt. Z. der Nord-Rheinprov. 120:347-349. Mar.21,1953. 18 L2344

56915 MCGLOTHLIN, C. W. Determine to thin your beets mechanically. Crystal-ized Facts Sugar Beets 7(2): 11-12. Spring 1953. 66.8 C88

56916 MATSEPURO, M. E. Mekhanizafsiîa meliorativnykh i kul'turtekhnicheskikh rabot [Mechanization of improvement and cultivation]. Moskva, "Znanie", 1952. 31 p. (Vsesoîuznoe Obshchestvo po Rasprostraneniîu Politicheskikh i Nauchnykh Znaniĭ, Moscow. Broshîury-Stenogrammy Lefskiĭ. Seriîa 3, 38) 58 M42M

56917 MIDDLEBROOK, S. Trays a laugh. Grower [London] 39:485. Mar.7,1953. 286.83 M34
Mushroom culture.

56918 MUDALIAR, B. M. L. Rotavation and rice cultivation. Madras Agr. J. 40:16-20. Jan.1953. 22 M262

56919 MULLER, O. Eine neue ackerfräse. Württemb. Wchnbl. f. Landwirt. 120:336. Mar.28,1953. 18 W96

56920 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. The Webb universal steerage hoe. Natl. Inst. Agr. Engin. Rpt. Tests RT61,11 p. 1952. 58.9 N214R

56921 PARKER, E. C. The selection and care of a garden tractor. Pop. Gard. [Albany] 4(4):48-49. Apr. 1953. 80 P812

56922 PIACCO, R. Efficiency of the new transplanting equipment. (In Italian.) Riso 2(3):14-15. Mar.1953. 59.8 R49

56923 RUSZKOWSKI, J. The pendulous harrow. (In Polish.) Rocz. Nauk Roln. 65:217-243. 1952. 20.5 R59
English summary.

56924 SMITH, H. P. Mechanization cuts the hoe bill. Amer. Cotton Cong. Proc. 13:86-89. 1952. 72.9 C825

56925 STELLMON, B. Thin beets completely by machine. Mont. Farmer-Stockman 40(15):1,22-23. Apr. 1,1953. 6 M764

56926 WAHLENBERG, W. G. Use of a short-handled planting hoe in the Appalachians. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 26,2 p. Jan.1953. 1.9622 S4R312

56927 ZINK, F. J. To get good results you need good equipment. Flower Grower 40(5):62-64. May 1953. 80 M72

Fertilizer and Seed Distributors

56928 BROCK, C. G. Air seeding. Tex. Hereford 2 (7):21,49. Feb.1953. 43.8 T31
Grasses for soil conservation.

56929 BRUNNER, G. Nochmals entmistungsanlage. Deut. Landwirt.-Gesell. Mitt. 68:234-235. Mar.5,1953. 18 N39

56930 EGG, W. Ein neuartiger kartoffellegetornister. Osterr. Landtech. 5:302-303. Nov.1952. 58.8 L236

56931 FARMER, S. Precision seeders on trial in beet drilling contest. Power Farmer 10:132-133. Apr. 1953. 58.8 P872

56932 GRIFFIN, L. M. A new-type cotton planter. Prog. Farmer, Miss.-Ark.-La. Ed. 68(4):182. Apr.1953. 6 So81

56933 KALVERKAMP, U. D. Fertilizer spreaders. (In Dutch.) Boerderij 37(27):9. Apr.1,1953. 12 B63

56934 MULDER, L. Impressions on a planter, shown at the demonstration at Tjimulang, December 14th, 1952, under the auspices of the experiment stations of the C.P.V. (In Dutch.) Bergcultures 22:51,53,55. Feb.1, 1953. 22.5 B45

56935 THEISS, H. Düngerstreuer am schlepper. Landtechnik 8:119-121. Mar.15,1953. 58.8 L235

56936 WINTER, R. Die tiefflur-kartoffellegemaschine. Deut. Agrartech. 3:48-49. Feb.1953. 58.8 D482

Harvesting Equipment

56937 BERG, M. A plant for contract drying. (In Swedish.) Lantmannen 37:274-276. Mar.21,1953. 11 L234
Of grain.

56938 BJÖRKENHEIM, L. American haymaking habits. (In Finnish.) Teho 1:22-24. 1953. 20 T98
English summary, p. 50.
Equipment.

56939 ELLIOTT, F. C. Mechanical cotton harvesting today. Amer. Cotton Cong. Proc. 13:92-97. 1952. 72.9 C825

56940 FEIX, H. Leichterer rübenbau. Bauer 6(7): 8-9. Feb.14,1953. 19 B32
Harvesting equipment.

56941 FEIX, H. Vollmechanische zwischenfrucht- und grünfuttererernte. Osterr. Landtech. 5:276-277. Oct.1952. 58.8 L236

56942 FOLTINEK, H. Mechanisierte zuckerrübenernte. Osterr. Landtech. 5:269-270. Oct.1952. 58.8 L236

56943 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Catalogue des principales moissonneuses-batteuses offertes en 1953 à l'agriculture francaise. France. Serv. de la Doc. sur le Mach. Agr. Etude 98,44 p. Mar.1953. 58.9 F842

56944 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Le parc français de moissonneuses-batteuses à la fin de l'annee 1952. France. Serv. de la Doc. sur le Mach. Agr. Etude 99,25 p. Mar.1953. 58.9 F842

56945 GAHAN, W. The development of the Armer harvester. Beet Grower 6(4):215-216,218-221. Jan.1953. 66.8 B392

56946 GARCIA FERNANDEZ, J. La cosechadora aumenta los rendimientos. Asoc. Nac. de Ingen. Agrón. B. 3(34):7-8. Jan.1953. 58.9 As5

56947 GLUCHICH, I. A. Typ einer kartoffelerntekombine für schwere böden. Deut. Agrartech. 3:45-47. Feb. 1953. 58.8 D482

56948 HAFENRICHTER, A. L. Vacuum harvester is developed for tough-to-harvest range grass. Seed World 72(8):16,18. Apr.17,1953. 61.8 Se52

56949 HERBSTHOFER, F. Der mäh-häcksler in der getreideernte. Osterr. Landtech. 5:281-282. Oct.1952. 58.8 L236

56950 KARIMOV, I. Question of improved construction and extended use of pneumatic cotton harvesting machines. (In Russian.) Khlopkovodstvo 12:46-53. Dec. 1952. 72.8 K522

56951 KOESTER, M. Adapting the King Wyse wheel type lifter to an International Harvester. Crystal-ized Facts Sugar Beets 7(2):22. Spring 1953. 66.8 C88

56952 KOGAN, S. M. Arbeitsbreite und fahrgeschwindigkeit der mähdrescher S-4 und S-6. Deut. Agrartech. 3:36-39. (Cont.) Feb.1953. 58.8 D482
Germany, Russian Zone.

56953 LEIDL. Mähdrusch in Salzburg? Salzburger Bauer 8(15):2-3. Apr.9,1953. 19 Sa3

56954 MADŽAREVIĆ, Ž. La charrue pour l'arrachage de plants. (In Serbo-Croatian.) Sumarstvo 5:519-520. Nov./Dec.1952. 99.8 Su63
French summary.

56955 MARKOV, F. K. Opyt vysokoproizvoditel'nogo ispol'zovaniîa kombaĭna [Efficient utilization of combines] Moskva, "Znanie", 1952. 23 p. (Vsesoîuznoe Obshchestvo po Rasprostraneniîu Politicheskikh i Nauchnykh Znaniĭ, Moscow. Broshîury-Stenogrammy Lektsiĭ. Seriîa 3, 36) 58 M342

56956 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. The Hayter rotary grass cutter. Natl. Inst. Agr. Engin. Rpt. Tests RT69,12 p. 1952. 58.9 N214R

56957 PARKS, R. R. Progress with mechanical nut and fruit harvesters in California. Oreg. State Hort. Soc. Proc. 67:162. 1952. 81 Or32

56958 LE RAMASSAGE mécanique des fourrages. Rev. de l'Elevage 8:209,211,213,215. Mar.1953. 49 B462

56959 SABBATHIER, MARQUIS DE. Machines de récoltes mixtes. Culture 40:28. Jan./Feb.1953. 14 C894

56960 SMITH, H. P., and BROWN, E. C. Cotton picker sacking attachment for harvesting small plots. Agr. Engin. 34:234. Apr.1953. 58.8 Ag83

56961 SODERHOLM, A. O., and STEINER, J. Rakes, windrowers, and other medium filbert harvesting equipment. Oreg. State Hort. Soc. Proc. 67:158-159. 1952. 81 Or32

Land Clearing Equipment

56962 MCCOLLY, H. F. Remove stones mechanically. Hoard's Dairyman 98:380,400. Apr.25,1953. 44.8 H65

56963 SAMAN, L. Method of clearing land for cultivation. (In Siamese.) Kasikorn 25:457-462. Nov.1952. 22.5 K15
English summary.

Processing Equipment Used on the Farm

56964 ANDERSON, R. H. Haying against the weather; new equipment and better methods enable farmers to laugh at rain. Elect. Farm Mag. 26(4):10,12. Apr.1953. 335.8 EL27

56965 BAKER, V. H., and EARP, U. F. Design of hay drying systems. 2. Heating & Ventilating 50(4):100-102. Apr.1953. 291.8 H35

56966 BOER, P. B. DE. Twenty-five years of intensive grassland utilization. VIII. Which preservation methods? (In Dutch.) Friesch Landbbl. 50:152. Mar.6, 1953. 12 F91
Artificial drying.

56967 DAVIS, P. Grain for sale or feed. Farmer & Stock-Breeder 67(3311):33,35. Apr.7,1953. 10 F228
Use of grain cleaners.

56968 DEHLINGER, P. Heutrocknung durch kaltbelüftung. Deut. Landwirt.-Gesell. Mitt. 68:303-304. Mar. 26,1953. 18 N39

56969 FERREYRA, L. G. Trojes. Chacra 23(268): 60-61. Mar.1953. 9 C34
Corn cribs.

56970 HAHNLEIN, G. Scheunentrocknung in der praxis. Deut. Landwirt. Presse 6:57-58. Mar.7,1953. 18 D482

56971 HARRINGTON, W. C. Garbage cooking equipment. Mass. U. Agr. Ext. Spec. C. 210,9 p. Apr.1953. 275.29 M381Sc

56972 HOFFMANN, G. Riesel- oder Schachttrockner. Deut. Agrartech. 3:40. Feb.1953. 58.8 D482
For grain.

56973 INEICHEN, F. Uber den heutigen stand der künstlichen grastrocknung. II. Mit elektrischer energie gespiesene trocknungssysteme. Schweiz. Landwirt. Monatsh. 31:63-74. Feb.1953. 17 Sch93

56974 JONAS, H. Hay from pea vines; drier turns waste crop into high quality feed. Elect. Farm Mag. 26 (4):8. Apr.1953. 335.8 EL27

56975 KRIEBEL. Mulden-rübenreiniger "Rekord." Tech. f. Bauern u. Gärt. Ausg. A 5:107-109. Mar.10,1953. 58.8 T223

56976 KUMMER, H. Ein praktischer probestecher für die probenahme von sämereien und futtermitteln. Württemb. Wchnbl. f. Landwirt. 120:374-375. Apr.4,1953. 18 W96

56977 LUNDSTROM, T. Size of farm dryers. (In Swedish.) Mjölkpropagandan 30:34-35. Feb.1953. 44.8 M692
Grain.

56978 MAUCH, A. Künstliche trocknung von grünfutter und kartoffeln. Bauern-Ztg. 6(10):8. (Cont.) Mar. 13,1953. 18 B324

56979 MAUCH, A. Künstliche trocknung von grünfutter und kartoffeln. Bauern-Ztg. 6(11):10. (Cont.) Mar.20,1953. 18 B324

56980 MAUCH, A. Künstliche trocknung von grünfutter und kartoffeln. Bauern-Ztg. 6(12):5-6. (Concl.) Mar.27,1953. 18 B324

56981 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. The "speedy" hookless sack holder. Natl. Inst. Agr. Engin. Rpt. Tests RT65,5 p. 1952. 58.9 N214R
For threshers and combines.

56982 OLTHOFF, B. H. Observations on clover seed cleaners. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:132. Mar.1953. 12 N383M

56983 SALISBURY, G. Here is what crop driers will do. Capper's Farmer 64(4):64-67. Apr.1953. 6 M693

56984 SCHEVEN, O. Zur installation elektromotorischer dreschantriebe. Dreschen u. Pflügen 8(3):2-4. Mar.15,1953. 58.8 D81

56985 SEISE, A. A simple mechanical grain dryer. (In Finnish.) Teho 2/3:80-82. 1953. 20 T98
English summary, p. 118.

56986 SINGLEY, M. E., and POULTON, B. R. Hay in the mow by suppertime—every time! N. J. Farm & Gard. 24(4):40,42,58-59. Apr.1953. 6 G162
Mow drying system.

56987 STJERNDAHL, H. What does it cost to dry grain in dryer on farm? (In Swedish.) Alvsborgs Läns Norra Hushsällsk. Tidskr. 60:9-10. 1953. 11 AL82

56988 UOTILA, P. J. Home-made mechanical grain-drier. (In Finnish.) Teho 1:29-31. 1953. 20 T98
English summary, p. 50.

56989 VAN VLACK, C. H. How to select and install hay drying equipment. Hoard's Dairyman 98:378-379, 401. Apr.25,1953. 44.8 H65

56990 VAN VLACK, C. H. Is crop drying in your future? Hoard's Dairyman 98:327,334. Apr.10,1953. 44.8 H65
Equipment for drying hay, grain, and beans.

56991 VAN VLACK, C. H. The why and how of hay drying. Successful Farming 51(5):40-41,80-82. May 1953. 6 Su12

56992 WACKER, H. Was sagen uns die untersuchungsergebnisse von künstlich getrockenetem grünfutter im jahre 1952? Praxis u. Forsch. 5:48-56. Mar.20,1953. 18 P89
Germany.

56993 WHITTAKER, E. C. Fruit packing equipment. Agr. Gaz. N. S. Wales 64:17-20. (Cont.) Jan.1953. 23 N472

56994 WHITTAKER, E. C. Fruit packing equipment. Agr. Gaz. N. S. Wales 64:74-77. (Cont.) Feb.1953. 23 N472

Repair, Maintenance, and Construction Equipment

56995 HOPKINS, D. P. Fertilizers and corrosion. Farm Mech. 5(48):164-165. Apr.1953. 58.8 B772
Effects of chemicals on equipment.

56996 JONG, P. DE. Care and maintenance of crop protection equipment. Planters' Chron. 48:67-68. Feb.1, 1953. 22 P693

56997 KITCHEN, D. 'Speed-up' that carpentry work; portable electric power saw a must. Elect. Farmer 7(4): 11,33. Apr.1953. 335.8 N27

56998 MARGUERIN, C. Principes du graissage. Rev. Agr. de l'Afrique du Nord 51:339-341. Mar.27,1953. 80 R326
Maintenance of equipment.

Spraying and Dusting Equipment

56999 ALLMAN, E. J. Future trends in sprayer design. Power Farmer 10:148-149. Apr.1953. 58.8 P872

57000 BEAR, F. K. Plastic hoses save spraying time. Grower [London] 39:681. Apr.4,1953. 286.83 M34

57001 BORDEN, A. D. Spray chemical applicators for use in deciduous fruit orchards. West. Fruit Grower 7(3):29-30. Mar.1953. 95.8 G762

57002 BURLINGAME, B., and CARLSON, V. Blower attachments vs. hand guns in peach spraying costs. West. Fruit Grower 7(3):31-32. Mar.1953. 95.8 G762

57003 CORL, C. S. A method for the testing and comparison of Brodjet sprayers. No. Cent. Weed Control Conf. Proc. 9:40-41. 1952. 79.9 N81

57004 COURSHEE, J. You can make a first-class job with low-pressure sprayers. Dairy Farmer [Ipswich] 26(4):34-35. Apr.1953. 44.8 D1414

57005 DERSCHEID, L. A. Plot sprayers. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:168-176. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

57006 DIK, P. Spraying machines for orchards. (In Dutch.) Natl. Coop. Aan- en Verkoopver. v. de Landb. Cent. Bur. Meded. 37:24-25. Feb.1953. 12 N287

57007 DOMINGUEZ MARTIN, J. Sueños de butaca de cine. Rev. Vinic. y de Agr. (ser.2)73:38. Nov.1952. 390.8 R322
Spraying from aircraft.

57008 DORMAN, S. C., and HALL, W. E. An improved spray tunnel method for laboratory tests. J. Econ. Ent. 46:151-153. Feb.1953. 421 J822

57009 ERIKSEN, S. Cattle spray themselves! Natl. Live Stock Prod. 31(6):5. Apr.1953. 280.38 N21
Automatic treadle sprayer.

57010 FISCHER, H. Pflanzenschutz im rahmen der mechanisierung des bauernhofes. Gesunde Pflanzen 5: 49-52. Mar.1953. 464.8 G33

57011 HANSENS, E. J. The use of fog machines for fly and mosquito control in New Jersey. Chem. Spec. Mfr. Assoc. Proc. 39:109-111. 1952. 307.9 C42

57012 HARDER, K. Practical experience with fog generators. Chem. Spec. Mfr. Assoc. Proc. 39:111-112. 1952. 307.9 C42

57013 HARONSKA, G. Regenkanone "RK2" gegen schädlinge? Deut. Weinbau 8:131-132. Mar.20,1953. 390.8 W432

57014 HARTMANN, H. P. Der "unimog," ein idealer helfer im pflanzenschutz. II. Tech. f. Bauern u. Gärt. Ausg. A 4:89-90. Feb.25,1953. 58.8 T223

57015 KNIPPEL, H. Beobachtungen beim einsatz des schwingfeuergerätes im baumschulbetrieb. Deut. Baumsch. 5:106-110. Apr.1,1953. 80 D486

57016 LANE, F. W. J. Choosing a sprayer. Power Farmer 10:129. Apr.1953. 58.8 P872

57017 LARSON, R. E. Aerial application techniques. No. Cent. Weed Control Conf. Proc. 9:41-42. 1952. 79.9 N81

57018 LARSON, R. E. Mechanical considerations. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 9:162-165. 1952. 79.9 N81R
Includes abstracts of cooperators' reports.

57019 LARSEN, R. E. Miscellaneous mechanical considerations. (Sum.) No. Cent. Weed Control Conf. Res. Rpt. 8:165-167. 1951. 79.9 N81R
Includes abstracts of cooperators' reports.

57020 MADSEN, H. C. Is it too expensive to operate an old sprayer? (In Danish.) Erhvervsfrugtavleren 19: 176-179. Apr.1,1953. 80 Er3

57021 NOOY, S. Experiences with mist sprayers in North Holland. (In Dutch.) Nederlandse Fruittelers Organ. Berbl. 9(4):4-5. Apr.1953. 95.9 N28

57022 OSMUN, J. V. Scope of use of fog machines for dispensing insecticides. Chem. Spec. Mfr. Assoc. Proc. 39:108-109. 1952. 307.9 C42

57023 POTTS, S. F., and SPENCER, R. A. Air-blast spraying apparatus for helicopters. J. Econ. Ent. 46:147-150. Feb.1953. 421 J822

57024 SCHINDLER, U. Rückenspritzen im forstbetrieb. II. Tech. f. Bauern u. Gärt. Ausg. A 4:87-88. Feb.25,1953. 58.8 T223

57025 SHANKS, G. L. General development of the boomless sprayer. No. Cent. Weed Control Conf. Proc. 9: 38-40. 1952. 79.9 N81

57026 SMITH, H. L. Railway application equipment for weed, grass and brush control by use of chemicals. No. Cent. Weed Control Conf. Proc. 9:43-44. 1952. 79.9 N81

57027 SYMPOSIUM: fog machines for dispensing insecticides. Chem. Spec. Mfr. Assoc. Proc. 39:104-113. 1952. 307.9 C42
E. J. Campau, moderator.

57028 VALLANCE, L. G. Farm built equipment: a guide to building a suitable power spray. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:99-116. Jan.1,1953. 65.9 Q3C

57029 VOJVODIC, D. Winter spraying of fruit trees. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 8(16): 19-20. Dec.1952. 21.5 V87
Equipment.

57030 WAANANEN, M. V. Cost of field crop and miscellaneous spraying in Illinois, 1951. Ill. Agr. Col. Ext. AE2879,9 p. May 1952. 275.29 IL62P
Equipment.

57031 WEGENAAR, C. Information on mist sprayers. (In Dutch.) Fruitteelt 43:187. Feb.28,1953. 86 N28

57032 YEOMANS, A. H. Insecticidal aerosol generators. Chem. Spec. Mfr. Assoc. Proc. 39:104-108. 1952. 307.9 C42

Vehicles

57033 ALPE, A. A return to the past. (In Italian.) Macch. & Motori Agr. 11:249-256. Mar.1953. 58.8 M13
Tractor history.

57034 ANIANSSON, G. Transportation with tractor under difficult driving conditions. (In Swedish.) Svensk Jordbrforsk. 1953:222-230. 11 J763

57035 ARBEL, L. Où en est l'industrie française du tracteur. Agr. Prat. 117:113-114. Mar.1953. 14 J82

57036 BETTI, A. Notes on new [equipment] at Verona. (In Italian.) Macch. & Motori Agr. 11:237-248. Mar.1953. 58.8 M13
Tractors.

57037 BONDON, J. Les porte-outils automoteurs. Motorisation Agr. 8(77):91-92,95. Feb.1953. 58.8 M85

57038 BRASCHI, G. The tractors with rubber tires have definitely won the field. (In Italian.) Agricoltura 2(2):23-26. Feb.1953. 16 Ag8226
English summary.

57039 CAMPBELL, D. A. The new era of aerial farming. Soils & Fert. 16:77-80. Apr.1953. 241 Im7Sf

57040 CZECHANOWSKI, G. Vom schlepper zum geräteträger. Landwirt. Z. der Nord-Rheinprov. 120: 354-355. Mar.21,1953. 18 L2344

57041 DAUBRESSE, P. Une agriculture sans transport n'est pas mieux partagée qu'un pays sans chemin-de-fer. Agr. Prat. 117:115-116. Mar.1953. 14 J82

57042 DAUM, A. Petroleum and agriculture. Natl. Grange Mon. 50(4):15,20,27,33. Apr.1953. 6 N215

57043 DIE DEUTSCHEN einachsschlepper. Tech. f. Bauern u. Gärt. Ausg. A 4:73-76,78. Feb.25,1953. 58.8 T223

57044 ERASMUS, D. J. Purchase of a tractor. (In Afrikaans.) Landbouweekblad 34(1756):27,29. Mar.11, 1953. 24 L232

57045 FENSKE. Der stand der schlepper-entwicklung in der DDR und ihre perspektiven. I-II. Deut. Agrartech. 2:290-293,330-334. Oct.-Nov.1952. 58.8 D482

57046 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Les carburants et l'agriculture: injections d'alcool et d'eau dans les moteurs. France. Serv. de la Doc. sur le Mach. Agr. Etude 96, 12 p. Feb.1953. 58.9 F842

57047 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Étude statistique du parc francais de tracteurs agricoles au 1er janvier 1953. France. Serv. de la Doc. sur le Mach. Agr. Étude 100, various pagings. Mar.1953. 58.9 F842

57048 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Renseignements statistiques relatifs au depouillement des declarations etablies au titre de l'annee 1953 par les utilisateurs de carburants detaxés pour les travaux agricoles. France. Serv. de la Doc. sur le Mach. Agr. Etude 97,29 p. Mar. 1953. 58.9 F842

57049 FRANKE, R., and KLIEFOTH, A. Normung des messverfahrens zur ermittlung der fahrgeschwindigkeiten von ackerschleppern. Landtechnik 8:121-122. Mar.15,1953. 58.8 L235

57050 FULDA, E. Schlupf am schlepper. Traktor 4: 51-52. (Concl.) Mar.1953. 58.8 T677

57051 GIEBHART. Lastkraftwagen-reifen in der land- und forstwirtschaft. Internatl. Holzmarkt 3:10. Feb.7,1953. 99.81 In82

57052 HARTZ, G. Ein lohnschlepper, wie er sein soll. Dreschen u. Pflügen 8(3):5-7. Mar.15,1953. 58.8 D81

57053 HOECHSTETTER, H. Akute "schlepperitis" in bäuerlichen kuhanspannungsbetrieben? Landtechnik 8: 143-144. Mar.31,1953. 58.8 L235

57054 HUISMAN, L. H. Preservation and repair of inundated tractors and agricultural equipment. (In Dutch.) Stichting v. de Landb. Meded. 8:82. Mar.13, 1953. 12 St5

57055 HUMMELL, J. D., and WIEBE, R. Alcohol-water injection for farm tractors. U. S. Bur. Agr. & Indus. Chem. AIC 349,12 p. Feb.1953. 1.932 A2Ag82
Boosting the octane number of gasolines.

57056 JANTE, A. Wirkungsgrad der pflugleistungsübertragung der getriebeabstufung beim ackerschlepper. Deut. Agrartech. 3:8-14. Jan.1953. 58.8 D482

57057 JETNE, M. Use the tractor. (In Norwegian.) Landbrukstidende 59:167-168. Mar.4,1953. 11 L236

57058 KASTORFF. Dreipunkt-aufhängung von anbaugeräten am ackerschlepper. Tech. f. Bauern u. Gärt. Ausg. A 5:98-99. Mar.10,1953. 58.8 T223

57059 KEYL, E. Erfahrungen und gedanken zum bauernschlepper. Württemb. Wchnbl. f. Landwirt. 120: 360-361. Apr.4,1953. 18 W96

57060 KÜHN, F. Die schlepperindustrie im jahre 1952. Landtechnik 8:115-118. Mar.15,1953. 58.8 L235

57061 LEES, A. B. One tractor per man. Farm Mech. 5(48):149-150. Apr.1953. 58.8 B772

57062 MANBY, T. C. D. Are official tractor test results a realistic guide to performance on the farm? Inst. Brit. Agr. Engin. J. 9(3):3-25. Jan.1953. 58.9 In7
Includes discussion.

57063 MARTIN, F. Les Etablissements Renault au salon de la machine agricole. Rev. Internatl. des Prod. Colon. 28:60-62. Mar.1953. 286.8 R326
Tractor types.

57064 MASON, R. R. Tractors in Fiji. Fiji. Dept. Agr. Agr. J. 23(2):2-7. June 1952. 25 F47Ag

57065 MIGNOTTE, F. Les charrues de motoculture. Motorisation Agr. 8(77):97,99,101. Feb.1953. 58.8 M85

57066 MUIJZENBERG, E. W. B. VAN D. Repair of tractors, motors and equipment. (In Dutch.) Fruitteelt 43:162-163. Feb.21,1953. 86 N28

57067 NAETHBOHM, P. Sind wir in der traktorenproduktion auf dem richtigen weg? (fünf schleppertypen oder zwei motorwagentypen). Deut. Agrartech. 3:61-62. Feb.1953. 58.8 D482
Russian Zone of Germany.

57068 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. Ferguson tractor model TED 20 mark III (running on vaporising oil). Natl. Inst. Agr. Engin. Rpt. Tests RT63,12 p. 1952. 58.9 N214R

57069 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. Fiat model 55L tracklaying tractor. Natl. Inst. Agr. Engin. Rpt. Tests RT62,15 p. 1952. 58.9 N214R

57070 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. Garner (7 h.p.) tractor. Natl. Inst. Agr. Engin. Rpt. Tests RT68,13 p. 1952. 58.9 N214R

57071 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING. SCOTTISH MACHINERY TESTING STATION. Prototype Bryden Tracpak fitted to Ferguson tractor (fitted with Continental engine). Natl. Inst. Agr. Engin. Rpt. Tests RT66,12 p. 1952. 58.9 N214R

57072 PALTI, J. Aircraft in Israeli agriculture: large-scale treatment in a small country. World Crops 5:157-158. Apr.1953. 281.8 W892
For spraying, dusting, and seeding.

57073 PERSSON, S., and ANDERSSON, J. Tractor tips as spring tillage is approaching. (In Swedish.) Lantmannen 37:241-243. Mar.14,1953. 11 L234
Care.

57074 PICARD, R. Voyage autour des stations d'essais de tracteurs et des machines agricoles d'Europe et des Etats-Unis. Culture 40:14-16. (Cont.) Jan./Feb. 1953. 14 C894

57075 PRIETO ORTEGA, A. El nuevo precio de la gasolina y la agricultura. Agr. Burgalés 20(219):5-6. Mar.1953. 15 Ag86

57076 REYNOLDS, P. A. Flooded tractors: self-help with some outside aid. Grower [London] 39:587. Mar. 21,1953. 286.83 M34

57077 SAAD, A. Maintenance and care of the fuel system of agricultural tractors. (In Portuguese.) Rev. de Agr. [Piracicaba] 28:23-34. Jan./Feb.1953. 9.2 R324

57078 SAXON, E. A. Tractors on Australian farms; past and probable future trends in numbers. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 6:11-13. Jan.1953. 281.9 Au73

57079 SCHINDLER, G. Wettervorgänge im alltag der landwirtschaft; die blitzgefahr auf dem ackerschlepper. Tech. f. Bauern u. Gärt. Ausg. A 5:113-114. Mar.10,1953. 58.8 T223

57080 SCHLAWE, W. Rationalisieren — aber wie? Deut. Agrartech. 3:55-56. Feb.1953. 58.8 D482
Tractor situation in Russian Zone of Germany.

57081 SMITH, C. W. This tractor tune up can cut a week off your spring work. Successful Farming 51(4):52-53,114. Apr.1953. 6 Su12

57082 SOUTHWELL, P. H. The agricultural tractor. London,Temple Press,1953. 169 p. 58 So82

57083 STEINMETZ, H. Für jeden schlepper das passende gerät. Tech. f. Bauern u. Gärt. Ausg. A 4:78-80. Feb.25,1953. 58.8 T223

57084 STRITZKY, W. VON. Der luftreifen in unseren obstbaubetrieben. Obstbauversring. des Alten Landes. Mitt. 8:42-45. Feb.1953. 85 J76

57085 WILLIAMS, B. The life blood of your tractor. Ala. Farmer 32(4,t.e.5):5-6. Feb.1953. 276.8 AL1
Storage battery.

FARM STRUCTURES AND RURAL HOUSING

57086 GIROUARD, A. Pour un rendement accru de vos exploitations: une technique trop ignorée. Terre d'Oc 35:120A-120B. Mar.1952. 14 Ar5
Insulation of farm buildings.

57087 LANHAM, F. B. Evaluation of farm buildings as a factor in agricultural production. (Abs.) Iowa State Col. J. Sci. 27:207-208. Jan.1953. 470 Io9

57088 MILLETTI, R., and BOCCIANTI, C. A piece of land for every workman. (In Italian.) Agricoltura 2 (2):34-39. Feb.1953. 16 Ag8226
Housing and gardens on the outskirts of cities.

57089 MOREL, M. L'hygiéne dans les constructions et les exploitations fermières. Agr. Prat. 117:132. Mar.1953. 14 J82

57090 SUNSET MAGAZINE. Sunset outdoor building book; five complete Sunset books in one volume to cover your basic outdoor building needs. Menlo Park,Calif., Lane,1953. 1 v. (various pagings). 97.5 Su7S

Animal Shelters and Animal Service Buildings

57091 ALEXANDER, M. H., NELSON, W. O., and ORMISTON, E. E. Studies on the use of permanent milk pipelines in dairy barns. II. Milk quality as affected by types of installation and sanitation procedures. J. Dairy Sci. 36:303-308. Mar.1953. 44.8 J822

57092 ASPEREN VERVENNE, B. VAN. Laying nests. (In Dutch.) Doelmatige Veehouderij 2:46-48. Mar.1953. 49 D67

57093 BAILEY, J. W., and STROHM, J. What kind of barn meets your needs? Country Gent. 123(4):42-43,94-95,98. Apr.1953. 6 C833
Stanchion barns, by J. W. Bailey; Loose housing, by J. Strohm.

57094 BELL, A. J., and MOORE, J. M. Ventilation for Michigan laying houses. Mich. State Col. Agr. Ext. B. 317,8 p. Feb.1953. 275.29 M58B

57095 BERGMANN, H. Der schuppenstall in theorie und praxis. Deut. Bauern Kal. 1953:81-83. 18 D4826

57096 BRIQUET, R. Choosing the front of the poultry house. (In Portuguese.) Lav. e Criação 8(46): 65-66. Jan.1953. 49 L392

57097 DEFOREST, S. S. The best loose-housing system we have seen! Successful Farming 51(4):54,162-163. Apr.1953. 6 Su12

57098 DELONG, H. H. Hard surfaced floors. Broiler Growing 4(4):16-17,74-75. Apr.1953. 47.8 B772
In poultry houses.

57099 DENIGER, L. R. Si vous construisez. Ferme 14(7):22,26. Mar.1953. 7 F38
Dairy barn.

57100 EGERTON, J. R. Goat houses and their fittings. Brit. Goat Soc. Ybk. 1953:9-12. 40.19 B77

57101 FEARN, B. Under udder heat; comfort zone provided to protect cow's money maker. Elect. Farm Mag. 26(4):9. Apr.1953. 335.8 EL27
Heating of concrete floors.

57102 FINN, H. It pays to mix the stock. Farmer & Stock-Breeder 67(3309):65,67. Mar.24,1953. 10 F228
Design of the yards in which cattle and fattening pigs are kept together.

57103 GAWĘCKI, K., NEUMAN, M., and PONIKIEWSKA, T. The influence of housing conditions upon the gain and food utilization in the production of Leghorn and Rhode Island-Red pullets. (In Polish.) Rocz. Nauk Roln. 62:199-224. 1952. 20.5 R59
English summary.

57104 GERRIE, W. A. G. Going to build a piggery? Proper planning can save you much money. Dairy Farmer [Ipswich] 26(4):55,57. Apr.1953. 44.8 D1414

57105 GORDEUK, A. Broiler house has summer inside the year around. Broiler Growing 4(4):15,35-36. Apr.1953. 47.8 B782

57106 GOVIN, L. Améliorons nos étables. Rev. de l'Elevage 8(spec.no.Vache Lait.):79,81,83,85. 1953. 49 B462
Dairy barns.

57107 GT. BRIT. NATIONAL COUNCIL FOR DOMESTIC FOOD PRODUCTION. Housing of small domestic livestock in gardens and allotments. London,H. M. Stationery Off.,1952. 23 p. 40 G7922

57108 GREEN, N. K., and HARVEY, N. The housing of pigs. Gt. Brit. Min. Agr. Agriculture 59:574-577. Mar. 1953. 10 G79J

57109 GRIFFITHS, G. C. Portable equipment for the piggery—mobile shed, self-feeder, water trough. Victoria. Dept. Agr. J. 51:59-65. Feb.1953. 23 V66J

57110 HEIZER, E. E., SMITH, V. R., and ZEHNER, C. E. A summary of studies comparing stanchion and loose housing barns. J. Dairy Sci. 36:281-292. Ref. Mar.1953. 44.8 J822

57111 HESS, H. Zur offenstallhaltung im lichte amerikanischer versuche. Grüne 81:317-318. Mar.20, 1953. 17 Sch9

57112 LOFKEN. Die bedeutung des stallbaues für eine gesunde schweinehaltung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:482-483. Mar.19,1953. 18 L2346

57113 LOWE, D. N. Transforming farm buildings. Com. Grower 2988:704. Apr.2,1953. 80 F941
Swine raising.

57114 MOORE, J. S., and MEHRHOF, N. R. Portable all-purpose poultry house. Fla. Agr. Col. Ext. C. 111,7 p. Dec.1952. 275.29 F66C
Revision of Circulars 50 and 83.

57115 NIEDERMEYER, K. Tieflaufstall gleichzeitig frischluftstall. Deut. Landwirt.-Gesell. Mitt. 68:233-234. Mar.5,1953. 18 N39

57116 POLLARD, W. S. Commercial broiler unit brooder house. Ark. Agr. Col. Ext. Plan Ser. 25,16 p.-folder. Jan.1952. 275.29 Ar4Fo

57117 PURDUE. UNIVERSITY. ENGINEERING EXTENSION DEPT. Dairy farm sanitation. Purdue U. Engin. Ext. Dept. Ext. Ser. 80,31 p. 1953. 290.9 P972
Barns and equipment.

57118 RAUSING, R. The Simontorp rubber cowshed. East African Agr. J. 18:51-52. Oct.1952. 24 Ea74

57119 ROY, R. G., and ABBISS, G. H. Dairy building design. Victoria. Dept. Agr. J. 51:11-14. Jan.1953. 23 V66J

57120 SALTER, R. G. A study of modern farm buildings with special reference to cowsheds. Midland Farmers & Growers J. 1:42-46. June/Sept.1952. 10 M58

57121 SCHREIBER, G. Der einfluss des stalles auf die fruchtbarkeit der rinder. Württemb. Wchnbl. f. Landwirt. 120:341-342. Mar.28,1953. 18 W96

57122 SOUTAR, D. S., and HARRISON, E. R. Arks not for arks' sake. Farmer & Stock-Breeder 67(3309):54-55. Mar.24,1953. 10 F228
Open-air pig housing.

57123 WALTHER. Noch einmal: der frischluft- oder freilandstall. Allgäuer Bauernbl. 21:158-159. Mar.12,1953. 18 AL53

57124 WATSON, D. "Double-decker" pig and poultry house. Farmer & Stock-Breeder 67(3308):60-61. Mar. 17,1953. 10 F228

57125 WHITE, P. G. This piggery's on the square. Farmers Wk. [London] 38(13):64-65. Mar.27,1953. 10 F2226

57126 WILSON, W. O., and HOUCK, R. How to cool poultry houses with water. Coop. Poultryman 18(4):6-8. Apr.1953. 47.8 C782

Farmhouses and Farmsteads

57127 BIENZ, G. Alte bericht über das bauernhaus im Berner Jura. Leben u. Umwelt 9:137-141. Mar.1953. 410 L49

57128 DARBY, B. T. Mend the houses, keep the men; pleasant, easy-to-run cottages could slacken drift from land. Farmer & Stock-Breeder 67(3308):37,39. Mar.17, 1953. 10 F228

57129 DULMET-MORISSET, F. Disons-le avec des chiffres. Terre d'Oc 35:90-99. Mar.1952. 14 Ar5
Rural housing and need for improvements.

57130 KELLY, E. M. 2-generation house. Capper's Farmer 64(4):34-35,116. Apr.1953. 6 M693
Remodeled farmhouse.

57131 LUCAS, J. E. Le logement rural. Acad. d'Agr. de France. Compt. Rend. 39:137-139. Jan.28/Feb.4,1953. 14 P215Bc

57132 MAHONEY, G. W., NELSON, G. L., and FRYREAR, J. I. Building a home that fits your needs. Okla. Agr. Expt. Sta. Farm Home Plan 17,16 p.-folder. Mar.1953. 296.9 Ok4

57133 ODIO, E. La primera colonia rural brinda hogar a 60 campesinos. Salvador. Sec. de Inform. Inform. de El Salvador 3(30):13-15. Jan.14,1953. 280.9 Sa3

Greenhouses and Plant Service Buildings

57134 BEE, D. Fans are greenhouse helpers; they improve ventilation, reduce disease and aid pollination. Elect. Farm Mag. 26(4):5. Apr.1953. 335.8 EL27

57135 BROEN, M. Invernaculos de tipo comercial que se utilizan en floricultura. Mundo Agr. 46:36-38. Mar.1953. 9 M92

57136 COOPER, N. R. Initial capital cost; problems before starting to build. MGA Bulletin 40:110-111. Apr. 1953. 80 M97
Mushroom houses.

57137 GAMMEREN, J. VAN, and CASTELEIN, S. J. Movable greenhouses for vegetable culture. (In Dutch.) Groenten en Fruit 8:700-701. Mar.19,1953. 80 G89

57138 SIMONS, A. J. Glass in the garden. Gard. Illus. 70:98-99. Apr.1953. 80 G169
Cloches in England.

57139 ZANTEN, E. VAN. Crops and movable greenhouses. (In Dutch.) Groenten en Fruit 8:695. Mar.19, 1953. 80 G89

Materials and Methods

57140 BURGENER, M. L. The basic concepts of prestressed concrete. Agr. Engin. 34:243-245,250. Apr.1953. 58.8 Ag83

57141 FITZGERALD, O. A. Wooden concrete halves building costs. Wash. Farmer 78:228-229. Mar.19,1953. 6 R151
Wood-diatomite concrete used in experimental poultry house.

57142 GERMANEY, R. W. Concrete blocks are ideal. Farmer & Stock-Breeder 67(3310):51,53. Mar.31,1953. 10 F228

57143 PORTLAND CEMENT ASSOCIATION, CHICAGO. A design manual for concrete farm floors. Chicago,1952. 23 p. 299 P83D

Storage Structures

57144 DEFOREST, S. S. Build yourself a trench silo. Successful Farming 51(5):142,144. May 1953. 6 Su12

57145 DONALDSON, R. W., and HARRINGTON, W. C. Trench silage; handling, storing, removing. Mass. U. Agr. Ext. Spec. C. 197,14 p. June 1952. 275.29 M381Sc
Mainly on the construction of the silo.

57146 EDGAR, A. D. New developments in potato storage. Agr. Engin. 34:230,258. Apr.1953. 58.8 Ag83
Buildings.

57147 GRIFFING, J. B. The trench silo. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952 (spec.no.):64. 41.9 So13

57148 JANSSON, I. Some silo building techinque investigations. (In Swedish.) Svensk Jordbrforsk. 1953: 218-219. 11 J763

57149 KUTISH, F. Stores his silage in the barn; a silo in the floor of your old hay barn will put roughage in a dry spot where it's easy to feed. Country Gent. 123(4): 68. Apr.1953. 6 C833

57150 NOYES, H. Storage for your home. Ariz. Agr. Col. Ext. C. 202,14 p. Sept.1952. 275.29 Ar42

57151 ROGERS, C. F. Horizontal silos can be helpful if properly built and used. Ohio Farm & Home Res. [Ohio Sta.] 38:21-23,39. Mar./Apr.1953. 100 Oh38

57152 SAUL, R. A. Measurement of grain pressures on bin walls and floors. Agr. Engin. 34:231-234. Apr. 1953. 58.8 Ag83

Walls and Fences

57153 BRANN, V. H. Poultry farm fences. Australas. Poultry World 24(6):9. Jan.5,1953. 47.8 Au72

57154 BRANN, V. H. Poultry farm fences. Victorian Poultry J. 39(6):21,23. Jan.1,1953. 47.8 V662

57155 HERRMANN, U. Bauern sprechen zu bauern. Praxis u. Forsch. 5:33-36. Mar.20,1953. 18 P89
Applications of electrical fencing.

57156 NEETZEL, J. R., and KAUFERT, F. H. Storm shows fencing flaws. Shorthorn World 38:16-18. Mar. 15,1953. 43.8 Sh8

57157 SCHNEIDER, V. Quick, easy-to-move temporary fences. Successful Farming 51(5):46-47,84. May 1953. 6 Su12

57158 SCHRODER, G. Unsere auslaufzäune. Deut. Wirtgeflügelzucht. 5:326-327. Mar.14,1953. 47.8 D483

57159 SHARP, W. W. Timber fences. Austral. Timber J. 18:889,893,903. Dec.1952. 99.81 Au7

57160 STACEY, W. A. Driving wood posts. Wood Preserv. News 31(3):14-15,21. Mar.1953. 300.8 W853

57161 STERN, E. G. The L-shaped fence staple. Agr. Engin. 34:227-230. Apr.1953. 58.8 Ag83

57162 STROM, P. G. Fencing as a farm production tool. Amer. Farm Pict.,Fall 1952:1,4-5. 6 Am396

57163 WILKING, H. Der elektrozaun und seine bedeutung für die landwirtschaft. Praxis u. Forsch. 5: 36-37. Mar.20,1953. 18 P89
Germany.

FARM UTILITIES

Electricity and Electrification

57164 BAKER E. The Kentucky Plan. Rur. Kentuckian 6(3):24-25,29. Mar.1953. 335.8 K41
Electrification.

57165 BECKER, H. Der elektromotor im landwirtschaftlichen betrieb. Landtechnik 8:147-150. Mar.31, 1953. 58.8 L235

57166 CHAUMIER, P. L'électricité au service de la fermière. Agr. Prat. 117:66-68. Feb.1953. 14 J82

57167 FITZPATRICK, F. J. Rural electrification in Alberta. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:102-106. 280.29 H78

57168 GAJAN, U. J. REA loan program curtailed. Rur. Power Mag. 4(22):1-2. Mar.1953. 335.8 R8892

57169 HAMILTON, K. W. Lights out—power off! IV. New Repub. 128(16):14-16. Apr.20,1953. 280.8 N42
Rural electrification.

57170 MCDONALD, G. Three million farm families vote for expanded rural electric co-ops and legislative protection at San Francisco convention. Calif. Farm Rptr. 14(3):6-7,10. Mar.1953. 281.8 C12

57171 MARVIN, P. D. Nebraska's public power. Elect. Farmer 7(4):12,26. Apr.1953. 335.8 N27
Rural electrification.

57172 PETTIS, A. M. Electricity made easy. Fla. Agr. Col. Ext. C. 112,16 p. Jan.1953. 275.29 F66C

57173 PRIBBERNOW, W. Der "Nello"-wippenantrieb Landtechnik 8:151-152. Mar.31,1953. 58.8 L235

57174 REINHARDT, W. Elektrizitätswirtschaft und landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 120: 223. Feb.21,1953. 18 L2344

57175 SASKATCHEWAN POWER CORPORATION. Annual report 1951. Regina,1952. 27 p. 335.9 Sa7
Includes farm electrification.

57176 STAHL, E. G. Training power company men to train local leaders—the California plan. (Extr.) Farm Electrif. 7(2):13-15. Mar./Apr.1953. 335.8 F224
4-H Club electrical programs.

57177 U. S. RURAL ELECTRIFICATION ADMIN. Electricity pays its way in the rural home, by L. Mamer. Washington,1952. 30 p. 1.933 EL245

57178 U. S. RURAL ELECTRIFICATION ADMIN. Standards for bolt type steel communication insulator pins. U. S. Rur. Electrif. Admin. REA Specif. PE-6,3 p. Dec.1952. 1.933 Sp38

57179 U. S. RURAL ELECTRIFICATION ADMIN. The REA rural electrification program. Washington? 1953. 12 p. 1.933 R8828

57180 WHITHED, M. O. E.E.I's Farm Utilization Committee. Farm Electrif. 7(2):1-2. Mar./Apr.1953. 335.8 F224
Edison Electric Institute.

57181 WICKARD, C. R. Progress of REA programs. Washington,U. S. Rur. Electrif. Admin.,1953. 6 p. 1.91 A2W63
Address, at convention of National Rural Electric Cooperative Association, Jan. 26, 1953.

57182 WILLIAMS, A. C. Making the most of the mains; full use of electricity. Farm Mech. 5(48):140-141. Apr.1953. 58.8 B772

57183 WOOD, E. C. Why farmers have big stake in SPA [Southwestern Power Administration] fight. Rur. Elect. Missourian 6(3):4,7. Mar.1953. 335.8 R886

Heating, Lighting, and Radiation

57184 FERRER, F., and PÉREZ, J. Tubos germicidas. Avicult. Téc. 5:244-247. Jan.1953. 47.8 Av57

57185 HOLMQVIST, N. Heating system for barns. (In Swedish.) Svensk Jordbrforsk. 1953:220-221. 11 J763

57186 LANCHESTER, C. Cottage lighting appliances. Country Life [London] 113:648-649. Mar.6,1953. 80 C83

57187 MOLLER, T. Electrical water heaters for barns. (In Swedish.) Svensk Jordbrforsk. 1953:231-238. 11 J763

57188 VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Field study report of combination ranges in Virginia, 1951, by C. G. Chambliss. Blacksburg,1952. 36 p. 100 V81Fi

Power Plants, Motors and Engines on the Farm

57189 CASTANIE, H. L'energie eolienne aux colonies. Rev. Internatl. des Prod. Colon. 28:66. Mar.1953. 286.8 R326

57190 FISCHER, F. Pumpen für alle zwecke. Deut. Landwirt.-Gesell. Mitt. 68:227-230. Mar.5,1953. 18 N39

57191 GREIFF, F. Methangas—erfahrungen und folgerungen. Landtechnik 8:124-126. Mar.15,1953. 58.8 L235

57192 HESTON, R. E. LP-gas on the farm. Mutual Ins, B. 40(3):19-23. Mar.1953. 284.68 M983

57193 MOONEY, O. Power from the wind. Country Life [London] 113:1068-1069. Apr.9,1953. 80 C83

57194 YUNG, F. D., and MUMGAARD, M. L. Motors in a nut shell. Elect. Farmer 7(4):10. (Cont.) Apr.1953. 335.8 N27

Telephones

57195 CECCHETTI, F. Telephone service in the agricultural zone of the United States. (In Italian.) Cent. di Studi per l'Ingegn. Agr. Mem. ed Atti 7(2):14. Mar./Apr.1952. 58.9 C33

57196 U. S. BUR. OF AGRICULTURAL ECONOMICS. Over forty percent of U. S. farms have telephones. Washington,1953. 1 p. 1.941 R5Ov2

Water Supply

57197 MOYANO, A. Higiene rural: el agua en el hogar. Cult. Mod. 36:19. Jan.1953. 15 C89

57198 PHAGAN, C. V. You can use your farm pond for a household water supply. Farmer-Stockman 56(4):22, 57. Apr.1953. 6 Ok45

57199 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Special report series, No. 22. Stock watering facilities, dams, and anti-erosion measures on farms. Pretoria,1953. 17 p. 270 So87L

57200 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24. Census year 1949-50. Special report series, No. 23. Boreholes, wells and springs on farms. Pretoria,1953. 59 p. 270 So87L

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

57201 AIYAR, A. K. Y. N. Subsidiary foods. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.110-124. Mysore,1952. 389 M992
Contains a list of plant famine foods.

57202 ANDRE, P. Switzerland's contribution to the pleasures of the table. Swiss Indus. & Trade 32:33-40. 1953. 280.8 Sw6
Dairy products, chocolate, and wine.

57203 APPAJAPPA, S. M. Food production in Mysore. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.88-97. Mysore,1952. 389 M992

57204 BANERJEE, B. Food industries and requirements of the defence services. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.197-203. Mysore,1952. 389 M992

57205 BONNET, J. Les progrès dans les industries agricoles et alimentaires en Belgique. Indus. Agr. et Aliment. 70:107-117. Feb.1953. 383 As7
English summary.

57206 BURGI, E. Die neugeschaffene Koordinationsstelle [für die Erforschung der Internationalen Betriebswirtschaftlichen Gesetze des Lebensmittelhandels] an der arbeit. Echo 1,i.e.2(5):15. Dec.1952. 286.83 Ec4

57207 CAIGNET SALOMON, E. Hay que cubanizar a Cuba. Tierra Libre 17(3):11. Mar.1953. 8 T443
Domestic production of plant foods.

57208 CARD, L. E. New horizons in research. Feedstuffs 25(16):40-41,44,48-49. Apr.18,1953. 286.81 F322
Food.

57209 CASARES LOPEZ, R. La bromatologia en España. An. de Bromatologia 4:329-334. 1952. 389.8 An1
English summary.
History, including regulation and research.

57210 CRAWFORD, C. W. Legislative and administrative progress in 1952. Food Drug Cosmetic Law J. 8: 190-199. Mar.1953. 389.58 F732

57211 CUMMINGS, N. What's ahead for the food business. Wholesale Grocer News 27(12):47-48,50,52,56. Mar.1953. 286.83 W622

57212 DARWIN, SIR C. G. The next million years. Garden City,N. Y.,Doubleday,1953. 210 p. 280 D252
Discusses prospects for food, p. 173-177.

57213 DUPONT, H. F. Population et alimentation. Indus. Agr. et Aliment. 70:95-97. Feb.1953. 383 As7
English summary.

57214 ECONOMIC and financial survey of Australia (1951-1952), No. 5. Sydney,1952. 72 p. 280.8 Ec743
Includes agricultural products.

57215 FITZGERALD, D. A. World food needs and resources. In Northwestern University. World population and future resources, p.126-137. New York,Amer. Book Co.,1952. 280 N812

57216 FORSSTROM, K. E. Volume of industrial production in Sweden in 1950 and 1951. (In Swedish.) Sweden. Komkol. Kom. Meddel. 40:55-61. Feb.1953. 257.3 K832K
Includes food and pulp industry.

57217 FRANCE. DIRECTION DE LA DOCUMENTATION. La situation économique des départements d'outre-mer. II. La Réunion. France. Dir. de la Doc. Notes et Etudes Eoc. 1719,42 p. Mar.20,1953. 280.9 F843
Includes agricultural products.

57218 HATTOWSKI, J. The Soviet food industry at the close of the first, post-war Five Year Plan (1946—1950. (In Polish.) Przem. Rolny i Spozywczy 6:408-411. Nov.1952. 389.8 P95

57219 HILDRETH, E. M. Elementary science of food. London,Allman,1952. 298 p. 389 H542
Includes nutrition.

57220 INSTITUTE OF INTERNATIONAL FINANCE. The economic position of Japan. N. Y. U. Inst. Internatl. Finance. B. 180,47 p. Mar.9,1953. 284.9 In7
Includes chapters on the food situation and foreign trade.

57221 IYENGAR, N. V. R. Survey of food industries in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.160-165. Mysore,1952. 389 M992

57222 LABARTHE CORREA, E. A., and others. Problemas de la producción alimenticia. Serv. Coop. Interamer. de Prod. de Aliment. Inform. del SCIPA. Ser. para los Agr. 24:1-44. Nov.1952. 9.8 P4352
A. Baracco, E. Klien, M. Baracco, G. Leiva, C. Bohl P., C. Aguila Pardo, F. Antich, and B. Quijandria, joint authors.
Peru.

57223 LENNARTSON, R. W. Emergency food supply. Washington,U. S. Prod. & Mktg. Admin.,1952. 8 p. 1.956 P86L54
Remarks before National Food and Nutrition Institute, Washington, D. C., Dec. 9, 1952.

57224 LLOYD-GEORGE, G. The importance of training in emergency feeding. Gt. Brit. Min. Food. B. 694:3-4. Mar.21,1953. 389.9 G79B

57225 MEHTA, V. A. Technical assistance to food industries. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.287-291. Mysore,1952. 389 M992
Research.

57226 MENON, V. K. R. Food and population problems in Travancore—Cochin State. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.63-68. Mysore,1952. 389 M992

57227 MITRA, K. Food requirements for human population in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.46-54. Mysore,1952. 389 M992

57228 MYSORE. CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE. Food and population and development of food industries in India. Mysore,1952. 357 p. 389 M992

57229 NEW ZEALAND: trends and prospects of food production and exports. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 2(2):1-7. Feb. 1953. 251 F73Mb

57230 NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. World population and future resources; the proceedings of the Second Centennial Academic Conference of Northwestern University, Evanston, Ill., March 1951; edited by P. K. Hatt. New York,Amer. Book Co., 1952. 262 p. (American Sociology Series) 280 N812

57231 PRABHU, J. M. L. Planning for food industries. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.166-170. Mysore,1952. 389 M992

57232 RANJAN. Food, population and rationing system in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.55-62. Mysore,1952. 389 M992

57233 REISNER, J. H. The battle for food. Christian Rur. Fellowship B. 180:1-7. Feb.1953. 281.29 C46

57234 REY, G. Présentation économique de l'Union Française. Rev. Econ. Franco-Suisse 33:83-87. Mar.1953. 287 Sw6
Includes discussion of agricultural products.

57235 SEKAR, C. C. Population dynamics and food resources. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.10-21. Mysore,1952. 389 M992

57236 SREENIVASAN, A. Technical personnel in food industry. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.321-324. Mysore,1952. 389 M992
Includes research.

57237 SUBRAHMANYAN, V. Development of new food industries. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.325-328. Mysore,1952. 389 M992

57238 SUBRAHMANYAN, V. Planning for food emergency. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.131-134. Mysore,1952. 389 M992

57239 TRI-STATE PACKERS' ASSOCIATION. 1953 directory, food processors, Delaware, Maryland, New Jersey, Eastern Shore of Virginia. Easton,Md.,1953. 144 p. 389.8 T73

57240 U. S. NORTHERN REGIONAL RESEARCH LABORATORY. List of publications, proteins and related subjects. U. S. Agr. & Indus. Chem. AIC-228(sup.5),2 p. 1952. 1.932 A2Ag82

57241 USUELLI, F. The challenging problems of population and food in Italy and in the world. (In Italian.) Riso 2(3):6-8. Mar.1953. 59.8 R49

57242 USUELLI, F. The illusion of "reserve countries." (In Italian.) Riso 2(2):5-10. Feb.1953. 59.8 R49
Population and food problem.

57243 VENKITASUBRAMANIAN, T. A., and DE, S. S. Food from unusual sources and waste materials. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.125-130. Mysore,1952. 389 M992

57244 WALKER, E. Civil defense emergency feeding as planned in Great Britain. Canad. Home Econ. J. 3:8. Mar.1953. 321.8 C162

57245 WATSON, SIR J. A. S. Problem No. 1. (Sum.) Young Farmer 21:91-92. Mar./Apr.1953. 10 Y8
The problem of food supplies in Great Britain.

ANALYSIS AND COMPOSITION

57246 ALM, F. Maillard-reaktionen—ett näringsfysiologiskt problem [The Maillard reaction—a nutritional physiological problem]. Svenska Inst. f. Konservforsk. P. 71,7 p. 1952. 389.9 Sv2

57247 BRUNING, A. Uber fluoreszenzuntersuchungen in der gerichtlichen chemie. (Sum.) Angew. Chem. 65: 142. Mar.7,1953. 384 Z33

57248 DOSTAL, L. Uber die bestimmung der glucoseäquivalente in stärkehydrolysaten und deren beurteilung. Brot u. Gebäck 7:40-42. Mar.1953. 298.8 G33

57249 EISENBRAND, J. Neuere messtechnik bei fluoreszenzuntersuchungen und ihre anwendung in der lebensmittelchemie. (Sum.) Angew. Chem. 65:142. Mar.7,1953. 384 Z33

57250 FARADAY SOCIETY. The physical chemistry of proteins. Faraday Soc. Discuss.13,288 p. 1953. 382 F22D

57251 FORSTER, W. A. The determination of magnesium in plant material by means of ethylenediaminetetra-acetic acid. Analyst 78:179-180. Mar.1953. 382 An1

57252 GOULD, W. A. "Quality makes the product what it is." II. Consistency in processed foods. Food Packer 34(4):42,58-60. Apr.1953. 286.83 C165
Description of the viscometer and mobilometer.

57253 GRUNE, A. Die papierchromatographie und ihre anwendungsmöglichkeiten in der lebensmittelchemie. (Sum.) Angew. Chem. 65:142. Mar.7,1953. 384 Z33

57254 HALVORSON, H. O. Principles of food microbiology. J. Milk & Food Technol. 16:73-76. Mar./Apr. 1953. 44.8 J824

57255 HASSE, K., and SCHUMACHER, H. W. Bestimmung von l-glutaminsäure. Z. f. Analyt. Chem. 137:433-437. 1953. 384 Z3

57256 ILLIES, R. Uber stärkesirup. (Sum.) Angew. Chem. 65:142-143. Mar.7,1953. 384 Z33
Chemistry.

57257 KOENIG, D. A. Serological differentiation of Clostridium botulinum strains from food. Chicago,1952. 19 p. 448.2 K813
Thesis (A.M.) - University of Chicago.

57258 NICHOLLS, J. R. Aids to the analysis of food and drugs. Ed. 7. London,Baillière,Tindall and Cox, 1952. 516 p. 389.4 N51

57259 PARKER, M. E. Quality control—its significance, implementation and practice. Food Technol. 7:171-173. Apr.1953. 389.8 F7398

57260 PORTNER, C., and HOGL, O. Dosage du tryptophane dans les protéines pures et dans quelques denrées alimentaires d'origine animale. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:505-521. Ref. 1952. 389.9 Sw6

57261 PRITZKER, J., and JUNGKUNZ, R. Uber eine halbmikro-schnellmethode zur wasserbestimmung in lebensmitteln und drogen. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:499-501. Ref. 1952. 389.9 Sw6

57262 REMMERT, L. F., and others. Determination of fluorine in plant materials. Analyt. Chem. 25:450-453. Ref. Mar.1953. 381 J825A
T. D. Parks, A. M. Lawrence, and E. H. McBurney, joint authors.

57263 SRINIVASAN, M., and SUBRAMANIAN, N. Chromatography and food analysis. Mysore. Cent. Food Technol. Res. Inst. B. 2:44-47. (Cont.) Nov.1952. 389.9 M99

57264 SRINIVASAN, M., and SUBRAMANIAN, N. Chromatography and food analysis. Mysore. Cent. Food Technol. Res. Inst. B. 2:75-79. (Concl.) Ref. Dec.1952. 389.9 M99

57265 TILGNER, D. J. Organoleptic test panels. (In Polish.) Przem. Rolny i Spozywczy 6:419-422. Ref. Nov.1952. 389.8 P95
English summary.

57266 WIJKSTROM, T. Rapid method of determining crude fibers. (In Swedish.) Sweden. Stat. Lantbrkem. Kontanst. Meddel. 14:26-30. Ref. 1953. 385 St6

57267 WODSAK, W. Die chemische bestimmung von vitamin D in lebensmitteln und pharmazeutischen produkten. Fette u. Seifen 55:118-122. Ref. Feb.1953. 384 C422

CONSUMPTION AND UTILIZATION

57268 DRAYTON, L. E. Development of research on food consumption by the Economics Division. Econ. Annal. 23:40-43. Apr.1953. 281.8 Ec72
Of the Canadian Marketing Service.

57269 FINCKE, H. Zur befragung der verbraucher über ihre anforderungen an die einzelnen lebensmittel. Zucker- u. Süsswaren-Wirt. 6:126-127. Feb.20,1953. 286.86 Z8

57270 GRABO, P. Undersökning av konsumtionen in natura i jordbrukarhushåll [Investigation of consumption in kind in farm household]. Jordbr. Utredningsinst. Meddel. 8,75 p. Ref. 1952. 11 St63M

57271 JOHNSTON, C. I., and DRAYTON, L. E. Consumption of food by farm households in New Brunswick, 1945-1946. Ottawa,1952. 50 p. 389 J64Cf

57272 SHAW, B. T. Meeting the needs of our growing population. Washington,U. S. Agr. Res. Admin.,1953. 7 p. 1.98 Sh2
Talk before the annual Chemurgic Conference, National Farm Chemurgic Council, St. Louis, Mar. 10, 1953.
Includes efficient utilization of farm products.

DISTRIBUTION, MARKETING, AND TRANSPORTATION

57273 ACKER. Die Grossmarkthalle Frankfurt ist wieder aufgebaut. Früchte u. Gemüse Markt 5:277-279. Feb.20,1953. 286.83 F9425

57274 BLAIS, R. Pour de plus gros profits. Foyer Rur. [Montreal] 12(5):5,22. Mar.1953. 7 F83
Marketing agricultural products in Canada.

57275 BRESSON, G. Les caractères essentiels du marché agricole. Rev. Agr. de l'Afrique du Nord 51:186-187. Feb.20,1953. 80 R326

57276 CANADA. MARKETING SERV. ECONOMICS DIV. The market for farm products in the West Kootenay area of British Columbia, by W. C. Shipley and I. F. Furniss. Ottawa,1953. 41 p. 280.3 C166Mf

57277 CLEEFF, E VAN, and DRECHSEL, W. Farm cooperatives and consumer interest. (In Dutch.) Econ.-Statis. Ber. 38:131-133. Feb.18,1953. 280.8 Ec722
Marketing.

57278 DODDS, J. P. Market news dissemination in Iowa. (Abs.) Iowa State Col. J. Sci. 27:157-158. Jan. 1953. 470 Io9

57279 EDWARDS, A. V. New merchandizing program serves city folks too. Ext. Serv. Rev. 24:46,59. Mar. 1953. 1 Ex892Ex

57280 FELLESKJØPET, OSLO. Annual report of the activities of the Marketing Cooperative in 1952. (In Norwegian.) Samvirke [Oslo] 48:195-216. Apr.1,1953. 280.28 Sa4

57281 FRIETEMA, H. J. The concentration problem in farm cooperation. (In Dutch.) Gelders Landbbl. 16(7): 3,14. Feb.12,1953. 12 G282
Marketing cooperatives.

57282 HASSELBACH, W. VON. Marktpolitik am scheidewege. Deut. Landwirt.-Gesell. Mitt. 68:301-302. Mar.26,1953. 18 N39

57283 HERZ, H. Bauern helfen sich selbst; genossenschaftliche massnahmen überwinden transportschwierigkeiten in Schweden. Ubersicht 4:155-157. Feb.1953. 18 Ub3

57284 HILLMAN, J. S., and ROWELL, J. D. A summary of administrative rules and regulations relating to the interstate movement of agricultural products in the eleven Western States. Ariz. Agr. Expt. Sta. Rpt. 110,107 p. Feb.1953. 100 Ar4M

57285 HJELM, L. Agricultural economic development during 1952. (In Swedish.) Svensk Jordbrforsk. 1953:266-272. 11 J763
Prices, production and marketing.

57286 JOHNSON, H. D., and GARVER, C. E. Cross country below zero. Mktg. Activ. 16(2):3-7. Feb.1953. 1.942 A8M34
Motortruck refrigeration in the transportation of farm products and foodstuffs.

57287 KRASKA, E. J. How to prevent damage to canned foods in transit. Canner 116(13):12-13,16. Mar. 28,1953. 286.83 C16

57288 LARIMORE, D. E., and BLACK, J. D. Extension education in marketing in the cooperative Federal-State Agriculture Extension Service of the United States—an exploratory study. Harvard Studies Mktg. Farm Prod. 6-H,64 p. Jan.1953. 280.38 H26

57289 LOGAN, J. A. Marketing cost clarification is vital. Appleland News 18(8):3. Mar.3,1953. 286.83 Ap5

57290 MILLIKEN, R. H. Recent developments in marketing legislation. West. Farm Leader 18:70-71,75. Mar.20,1953. 280.28 W52

57291 POPP, O. A. Gefahr für die marktwirtschaft? Landwirt. Z. der Nord-Rheinprov. 120:251-252. Feb.28, 1953. 18 L2344

57292 RASPE, H. Wie bedient die eisenbahn den Frankfurter Grossmarkt? Früchte u. Gemüse Markt 5: 290-291. Feb.20,1953. 286.83 F9425

57293 REID, E. P. Recent freight rate and transportation developments. Econ. Annal. 23:43-46. Apr.1953. 281.8 Ec72
Canada.

57294 REINHARDT. Genossenschaften und landhandel. Deut. Landwirt. Fresse 76:85. Mar.21,1953. 18 D482

57295 SAVILLE, G. Transport and the food industry. III. Food Mfr. 28:152-153. Apr.1,1953. 389.8 F736

57296 SODERSTROM, O. More prominent position for marketing cooperatives but increased work and worry. (In Swedish.) (Sum.) Lantmannen 37:272-273. Mar.21, 1953. 11 L234

57297 TODLING. Um die sorgen der Deutschen Bundesbahn. Hannoversche Land- u. Forstwirt. Ztg. 106: 261. Feb.28,1953. 18 H194

57298 TRELOGAN, H. C. Opportunities and problems in marketing research. Washington,U. S. Agr. Res. Admin.,1953. 16 p. 1.98 T71
Address, National Council of Farmer Cooperatives, New Orleans, Jan. 12-15, 1953.

57299 TRIGGS, M. Keep trucking costs down. Nation's Agr. 28(4):16-17. Apr.1953. 280.82 B89

57300 U. S. EXTENSION SERV. Annual report of extension work 1951-52; consumer education in food marketing, by G. A. Ueland and E. A. Johnson. Washington,1953. 8 p. 1.913 A5Ex83

57301 U. S. PRODUCTION AND MARKETING ADMIN. Independent grocers tell about assistance from their wholesalers, by M. Kriesberg, J. C. Bouma, and R. W. Hoecker. Washington,1953. 4 p. 1.956 M343In2

57302 U. S. PRODUCTION AND MARKETING ADMIN. Section 32 handbook, by S. N. Gubin. Washington,1953. 35 p. 1.956 A2Se22
Includes price support.

57303 U. S. PRODUCTION AND MARKETING ADMIN. The wholesale produce market at Rochester, N. Y., by S. D. Clark, R. G. Wilcox, and J. S. Cherniak. Washington,1953. 60 p. 1.956 M343W6228
New York Department of Agriculture and Markets, Bureau of Markets cooperating.

57304 VROMAN, H. B. What are our rural roads costing us? N. Y. Agr. Col. Farm Econ. 189:4984-4985. Mar.1953. 280.8 C812

57305 WAUGH, F. V. Agricultural marketing research since 1946. Washington,U. S. Bur. Agr. Econ., 1952. 5 p. 1.941 P4W35
Talk at meeting of the New England Research Council, Amherst, June 19, 1952.

57306 WAUGH, F. V., and ROBERT, S. A. Agricultural statistics related to marketing. Washington,U. S. Bur. Agr. Econ.,1952. 8 p. 1.941 P4W35
Paper presented at the meeting of the New York City chapter of the American Marketing Association, New York, Nov. 20, 1952.

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

57307 ADAMS, H. S. Status of food sanitation knowledge among food service workers. J. Milk & Food Technol. 16:55-60. Mar./Apr.1953. 44.8 J824

57308 BRADHURST, F. S. Standardisation of Commonwealth food laws. Food Technol. Austral. 5:59-60,63,67. (Cont.) Feb.1953. 389.8 F7333

57309 CALVER H. N. Food sanitarians are crucial CD workers. J. Milk & Food Technol. 15:229-232. Sept./Oct.1952. 44.8 J824

57310 COPPOCK, J. B. M. Food legislation. 2. Nutrition 7:25-27. Spring 1953. 389.8 N959
Regulation in Great Britain.

57311 DEUTSCHE FORSCHUNGSGEMEINSCHAFT. KOMMISSION ZUR BEARBEITUNG DES LEBENSMITTEL FARBSTOFF-PROBLEMS. Zur frage der lebensmittelfarbstoffe. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96: 98-113. Feb.1953. 384 Z39

57312 EHRENBERG, A. S. C. Notes on Plank's rational method of grading food quality. Food Technol. 7: 188. Apr.1953. 389.8 F7398

57313 FISHER, F. E. An approach to field training. J. Milk & Food Technol. 16:31-35. Jan./Feb.1953. 44.8 J824
Food sanitation.

57314 FRENZEL, H. Der neue lebensmittel-codex. L und E 6(3):7-8. Mar.1953. 389.8 Z34
Austria.

57315 GILBERT, A. M. Statement and resolution on FDA. Food Drug Cosmetic Law J. 8:200-202. Mar.1953. 389.58 F732

57316 HAMANN, V. Der schutz der menschlichen ernährung durch das lebensmittelgesetz. In Saller, K., ed. Gesundes land, gesundes leben, p.219-237. München, Pflaum,1953. 33.27 Sa3

57317 KEFFORD, J. F. The requirements of a good label. Austral. Food Mfr. & Distrib. 22(7):14,16,20. Feb.5,1953. 389.8 Au7

57318 KETTANAH, S. Food poisoning. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:109-126. Jan./Mar.1953. 22.5 Ir1

57319 LA ROTONDA, C. Residual action of antiparasitical treatments on agricultural food products. (In Italian.) Conserve e Derivati Agrumari 1(4):16-28. Ref. Oct./Dec.1952. 389.8 C7622
Insecticides.

57320 LEPPER, H. A. The evolution of food standards and the role of the A.O.A.C. Food Drug Cosmetic Law J. 8:133-189. Mar.1953. 389.58 F732

57321 MARCUSE, R. What is "rancidity?" (In Swedish.) Svensk Jordbrforsk. 1953:212-217. 11 J763

57322 NEWTON, R. C. Chemicals in food. J. Milk & Food Technol. 16:36-40. Jan./Feb.1953. 44.8 J824

57323 NIEMAN, C. Chemicals in foods. (In Dutch.) Voeding 14:178-185. Mar.15,1953. 389.8 V85

57324 PARRY, T. M. Food hygiene: 1951-1952; progress in the campaign for clean food. Gt. Brit. Min. Food. B. 694:8-9. Mar.21,1953. 389.9 G79B

57325 SENN, C. L. The food equipment standards program of the National Sanitation Foundation. J. Milk & Food Technol. 16:26-29. Jan./Feb.1953. 44.8 J824

57326 STEWART, F. E., and MYTINGER, R. E. Food-borne diseases in the Navy—a training program for food service personnel as a preventive measure. J. Milk & Food Technol. 15:222-227. Sept./Oct.1952. 44.8 J824

57327 SWISHER, P. W. Coordination of health department and agriculture department programs. J. Milk & Food Technol. 15:209-211. Sept./Oct.1952. 44.8 J824
Sanitary standards.

57328 U. S. EXTENSION SERV. Handling and judging frozen food at fairs, by E. L. Blanchard. Washington,1952. 24 p. 1.913 F4L56

57329 U. S. PRODUCTION AND MARKETING ADMIN. Check list of USDA standards for farm products. Washington,1952. 14 p. 1.9 Ec731C

PACKING AND PACKAGING

57330 BILKVIST, J. B., and SLOTH, I. Packaging materials for freezing. (In Danish.) Kulde 6:64-66. Dec. 1952. 295.8 K95

57331 ENGELBACH, B. A. Smooth packaging operations require alert machine maintenance. Food Engin. 25: 113,115-116,126. Apr.1953. 389.8 F737

57332 FILINGER, G. A., and BEALE, W. L. A study of oxygen diffusion through frozen food packaging materials. Amer. Soc. Hort. Sci. Proc. 60:272-278. Dec. 1952. 81 So12

57333 FOX, H. The cryovac process. Food [London] 22:160-162. Apr.1953. 389.8 F738
For meat, poultry, and frozen food packaging.

57334 FRANCO BETANCOURT, J. J. Packaging. Agrotecnia 7:11-13. Nov./Dec.1952. 8 Ag825
Chiefly materials.

57335 HAVIGHORST, C. R. Package engineering pays 207%. Food Engin. 25:90-93. Apr.1953. 389.8 F737

57336 HERRMANN, R. H. Trends in dehydrated packaging. Mod. Packaging 26(8):200-204. Apr.1953. 309.8 M72

57337 KOHMAN, E. F., and COLE, R. L. Surface darkening of foods in glass containers with metal caps. Food Technol. 7:174-176. Apr.1953. 389.8 F7398

57338 PROCESSORS size up problems and find what it takes to cut costs. Food Engin. 25:97-99,125. Apr. 1953. 389.8 F737
Food packaging.

57339 SCHOMMER, W. P. Gains greater packaging efficiency by analyzing line performance. Food Engin. 25:86-89. Apr.1953. 389.8 F737

57340 SUMMER, W. Colour in the food industry. Food [London] 22:158-159,162. Apr.1953. 389.8 F738
Includes discussion of color in packaging and in the food itself.

PRICES, PRICE CONTROL, AND RATIONING

57341 BAILEY, R. R. Report on economic forces in relation to farm prices. Fla. Cattleman & Livestock J. 17(8):22-22A. May 1953. 43.8 F66

57342 BUTZ, E. Don't sell agriculture short. Burroughs Clearing House 37(7):31-33,84-85. Apr.1953. 284.8 B94
Prices and income.

57343 CAMERON, M. R. Federal agricultural programs affecting prices of farm products, March 1, 1952 to February 28, 1953. Econ. Annal. 23:35-39. Apr. 1953. 281.8 Ec72
Canada.

57344 FALCONER, J. I. What makes farm prices? Ohio Farm Bur. News 32(9):16-17. Apr.1953. 6 Oh34

57345 FEDERAL-STATE MARKET NEWS SERV. Market and farm price averages of hay grain and feed and butter in California (Historical series) Los Angeles, 1952 summary. Sacramento,1953. 8 p. 1.956 A2M347

57346 FISCHER, W. Zur entwicklung der erzeugerpreise landwirtschaftlicher produkte seit der währungsreform. Agrarwirtschaft 2:88-90. Mar.1953. 281.8 Ag826
Germany.

57347 FROZEN food "growing pains" drop prices to record lows. West. Canner & Packer 45(4):15-18. Apr. 1953. 286.83 W522

57348 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Die grosshandelspreise im ausland. I. Preisentwicklung bis anfang 1953: getreide, vieherzeugnisse, ölfrüchte, öle und fette. Germany. Statis. Bundesamt. Statis. Ber. VI/9/23,24 p. Mar.11, 1953. 265 V58

57349 HALCROW, H. G. Resource use and farm price and income programs. In Farm Foundation. Increasing understanding of public problems and policies, p.99-103. Chicago,1952. 275.2 F223

57350 HOFFMAN, S. S. Reexamining farmers' costs. Natl. Indus. Conf. Bd. Business Rec. 10:160-162. Apr. 1953. 280.9 N216Cb
Parity estimation.

57351 HORRING, J. As much freedom as possible in price formation. (In Dutch.) Gelders Landbbl. 16 (15):5. Apr.9,1953. 12 G282

57352 LEV, J. H. Food index still on decline. Natl. Indus. Conf. Bd. Business Rec. 10:155-156. Apr.1953. 280.9 N216Cb

57353 MITCHELL, C. C. A reply to critics of farm-price supports. Co-op Grain Q. 11:22-25. Mar.1953. 280.28 C7898

57354 NORTON, L. J. Farm price and income problem. In Farm Foundation. Increasing understanding of public problems and policies, p.103-107. Chicago, 1952. 275.2 F223

57355 RATCHFORD, C. B. Farm price and income supports the levels and methods. In Farm Foundation. Increasing understanding of public problems and policies, p.71-99. Chicago,1952. 275.2 F223

57356 RUDKIN, W. C. Demand and primary product prices, 1924-1930. So. African J. Econ. 20:331-344. Dec.1952. 280.8 So83

57357 SCHICKELE, R. 'We must tame the free market"; price supports should be aimed at maintaining and expanding production of food for the people. GTA Digest 13(3):57-60,62-66. Mar.1953. 280.28 G11

57358 SODERSTROM, O. Pricing of agricultural products in Sweden during five years. (In Swedish.) Jordbrekon. Meddel. 15:53-65. Feb.1953. 257.3 J76
English summary, p. 52.

57359 SOLBRAA, A. Is American price policy on farm products to be changed? (In Norwegian.) Nord. Lantbrekon. Tidskr. 3:1-9. 1953. 281.8 N75

57360 TŌI, K. "Great reformation of agriculture" and the agricultural forward price system in Sweden. (In Japanese.) Nōgyō Sōgō Kenkyū 7:247-262. Jan.1953. 22.5 N687

57361 WEBSTER, L. A. What's wrong with farm prices. New Eng. Grocery & Mkt. Mag. 21(6):10-12. Apr.1953. 286.83 N44A

PROCESSING AND STORAGE

57362 ALLEN, G. E. Home freezing. Kans. State Col. Agr. Ext. C. 230,26 p. June 1952. 275.29 K13Ex

57363 ANHEUSER-BUSCH. Microbiological farming. Anheuser-Busch. Dried Yeasts & Derivatives Dept. Yeast 2(3):2-22. Ref. Mar.1953. 390.09 An4
Yeasts and fermentation.

57364 BAH, H. S., and LIN, S. F. Studies on the production of food yeast [Torula utilis]. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:214-216. Dec.1952. 35.9 F76R
English summary.

57365 BALDWIN, J. M. The production and utilization of microbiological protein, a review of the literature. Austral. Commonwealth Sci. & Indus. Res. Organ. Inform. Serv. Rpt. T.11,99 p. Jan.1953. 514 Au722
Chiefly yeasts.

57366 BAXTER, J. P. The food industry as a field for the chemical engineer. Food Technol. Austral. 5: 53,55-56. (Cont.) Feb.1953. 389.8 F7333

57367 BEESCH, S. C. Acetone-butanol fermentation of starches. Appl. Microbiol. 1:85-95. Ref. Mar.1953. 448.3 Ap5

57368 BHATIA, D. S. Future of food processing in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.265-272. Mysore,1952. 389 M992

57369 BRATTON, G. S. Impact of municipal water fluoridation on the food and beverage industries. Amer. Water Works Assoc. J. 45:364-368. Apr.1953. 292.9 Am32J

57370 BRIWA, K. E. Preparing foods for the home freezer. Maine. Agr. Col. Ext. B. 420,12 p. Apr.1952. 275.29 M281B

57371 CLISSOLD, W. N. Value of canned food packs in 1951 topped $4 billions. Canner 116(14):9-10. Apr.4,1953. 286.83 C16

57372 ERICSON, L. E., and GASPARETTO, G. The effect of sodium alginate on the destruction of ascorbic acid. Food Res. 18:178-185. Ref. Mar./Apr.1953. 389.8 F7322

57373 GARRIDO, J. M., and KENNEDY WALKER, T. Producción de grasas por microorganismos. Soc. Espan. de Fís. y Quím. An. Ser. B, Quím. 49:81-90. Jan.1953. 385 So16
English summary.

57374 GERBERG, E. J. Food plant sanitation. Chem. Spec. Mfr. Assoc. Proc. 39:78-79. 1952. 307.9 C42

57375 GIRI, K. V., RAO, P. B. R., and RAJAGOPALAN, R. Some studies on the destruction of amino acids in proteins caused by autoclaving in presence of glucose. Food Res. 18:217-222. Ref. Mar./Apr.1953. 389.8 F7322

57376 GRANHUS, E. Regulations in regard to locker plants in the U.S.A. (In Norwegian.) Meieriposten 42:156-158. Feb.28,1953. 44.8 M47

57377 HAUGH, R. R. Safe storage r.h. and warmup. Food Engin. 25:74. Apr.1953. 389.8 F737

57378 HAYDUCK, F. Zur geschichte der gewinnung von nahrungs- und futtereiweiss durch massenzüchtung von mikroorganismen. Branntweinwirtschaft 75:118-119. Mar.25,1953. 390.8 B7322
Use of yeasts.

57379 HUBER, W., BRASCH, A., and WALY, A. Effect of processing conditions on organoleptic changes in foodstuffs sterilized with high intensity electrons. Food Technol. 7:109-115. Ref. Mar.1953. 389.8 F7398

57380 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H Club food preservation manual. Purdue U. Agr. Ext. B. 327,20 p. Jan.1952. 275.29 In2E

57381 INTERNATIONALER KONGRESS DER GARUNGSINDUSTRIEN, 2, KNOKKE-LE-ZOUTE, 1952. [Abstracts of proceedings]. Verssta. f. das Gärungsgewerbe. Mitt. 7:13-15. (Cont.) Jan./Feb.1953. 390.08 V67

57382 KLOPP, A. H. Flavors for food. Canad. Food Indus. 25(4):28-31,33,35-36. Apr.1953. 286.83 C166

57383 LAKKAPPA, K. Food yeast. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.210-215. Mysore,1952. 389 M992

57384 LEBLANC, F. R., DEVLIN, K. A., and STUMBO, C. R. Antibiotics in food preservation. I. Food Technol. 7:181-184. Apr.1953. 389.8 F7398

57385 LEWIS, Y. S., and JOHAR, D. S. Spore size and appearance of Aspergillus niger in relation to citric acid yield. Mysore. Cent. Food Technol. Res. Inst. B. 2:16-17. Sept./Oct.1952. 389.9 M99

57386 MANN, L. B. 8 ideas to improve locker operations. News Farmer Coop. 20:12-13. Apr.1953. 166.2 N47
Frozen food locker plants.

57387 MATHUR, P. B., and SINGH, K. K. Refrigerated preservation of perishable foods in India. In Mysore Central Food Technological Research Institute. Food and population and development of food industries in India, p.295-298. Mysore,1952. 389 M992

57388 MIALKI, W. Zerkleinerung von weichstoffen in der lebensmittelverarbeitung. II. Chem.-Ingen.-Tech. 25 (3):137-141. Mar.1953. 384 C428
English summary.

57389 MIGHTON, C. E. So—you want a good fieldman. C: ad. Food Indus. 25(3):40-41. Mar.1953. 286.83 C166

57390 MRAK, V. G. Home freezing of foods; how to prepare, store, thaw, and cook frozen foods. Calif. Agr. Expt. Sta. C. 420,38 p. Feb.1953. 100 C12S
Supersedes Extension Circular 153.

57391 NATIONAL ASSOCIATION OF REFRIGERATED WAREHOUSES. Public refrigerated warehouses 1953. Washington,D.C.,1953. 122 p. 225 As75

57392 NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Are home freezers and frozen food plans for you? N. Y. Agr. Col. Ext. Food Mktg. L. 9,6 p.-folder. Mar.1953. 275.29 N48Foo

57393 NUNZIO, B. DEL. The processes of conservation of agricultural products by cold. (In Italian.) Conserve e Derivati Agrumari 1(4):29-38. Oct./Dec. 1952. 389.8 C7622
Icing, refrigeration, and freezing.

57394 OBERHELMAN, L. Freezing farm foods. Purdue U. Agr. Ext. B. 308,23 p. 1952. 275.29 In2E

57395 PAGE, J. What's happening in the frozen foods case? Super Mkt. Merchandising 18(2):135-136,138,140, 142,144,146. Feb.1953. 389.8 Su7

57396 PREVOT, P. Les plats "Elven" et la cuisine ultra-conglée. Rev. Prat. du Froid 8(6):47-52. Mar. 1953. 295.8 R323

57397 RADLEY, J. A. Uses of starch in the food trade. Food Trade Review 23(2):3-4. Feb.1953. 389.8 F7334

57398 RAIN, J. Probleme der kühlwirtschaft in Osterreich; allgemeine bedeutung für lebensmittelerzeugung und -handel. L und E 6(3):9-10. Mar.1953. 389.8 Z34

57399 RAJAGOPALAN, R., and DE, S. S. Quality control in food manufacture. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.280-286. Mysore,1952. 389 M992

57400 RAO, Y. K. R. Manufacture of food machinery in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.273-277. Mysore,1952. 389 M992

57401 REDIT, W. H., and others. Comparison of floor type with overhead electric type refrigerator car fans in the precooling and transit refrigeration of California table grapes, September 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 288,5 p. 1.9 P772Ht
A. L. Ryall, D. B. Hannum, and H. W. Hruschka, joint authors.

57402 SATHE, N. R. Role of anti-oxidants in processed foods in relation to their storage life. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.224-230. Mysore,1952. 389 M992

57403 SCHMALZBAUER, H. Gegen die wertverminderung von lebensmitteln; wissenschaftliche grundlagen und technische methoden. L und E 6(3):11-12. Mar.1953. 389.8 Z34
Storage and packing of perishables.

57404 SOUZA, L. J. DE. The urgent need for developing the food industry in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.171-181. Mysore,1952. 389 M992
Cheifly on the food canning industry.

57405 TURK, A., MESSER, P. J., and BLASKIEWICZ, A. Atmospheric odors; their effect on flavors of stored foods. J. Agr. & Food Chem. 1:79-82. Apr.1,1953. 381 J8223

57406 U. S. PRODUCTION AND MARKETING ADMIN. Summary of regional cold storage holdings for 1952. Washington,1953. 30 p. 1.956 M34Su62
Statistics.

57407 WHITLOCK, E. A. Food and chlorination. Food [London] 22:146-149. (Cont.) Ref. Apr.1953. 389.8 F738

57408 ZIEMBA, J. V. Equipment makers aid cost reduction through innovations in machines. Food Engin. 25:101,103,105,107,109,126. Apr.1953. 389.8 F737

STATISTICS

57409 ÅKERBERG, E., and HAGSAND, E. The development of plant cultivation in relation to the fixing of the prices of agricultural products. (In Swedish.) Jordbrekon. Meddel. 15:66-80. Feb.1953. 257.3 J76
English summary, p. 52.

57410 DENMARK. STATISTISKE DEPT. Erhvervstaellingen 1948, Census of manufacturing, distribution and other industries. Denmark. Statis. Dept. Statis. Tabelvaerk 24,252 p. 1953. 257.1 St2T
Table of contents also in English.
Includes food industries.

57411 EICHINGER, J. Der zwischenfruchtanbau in Bayern 1952. Bayern in Zahlen 7:47-49. Feb.1953. 265 B34

57412 GRAZ. STATISTISCHES AMT. Statistisches jahrbuch der landeshauptstadt Graz 1951, 4. jahrgang. Graz,1952. 213 p. 266 G792
Includes agricultural statistics.

57413 INGLIS, I. G. Changes in the economic pattern of Tasmanian agriculture. Tasmanian J. Agr. 24:37-41. Feb.1,1953. 23 T182T
Production and value of crops, livestock and dairy products compared with pre-war years.

57414 INSTITUTO BRASILEIRO DE GEOGRAFIA E ESTATISTICA. Recenseamento geral do Brasil (1.º de setembro de 1940), série regional; censo demográfico: população e habitação; censos econômicos: agrícola, industrial, comercial e dos serviços [General census of Brazil (1st September 1940), regional series; demographic census: population and housing; economic censuses: agricultural, industrial, commercial, and services], pt. I-V, VII-VIII. Rio de Janeiro,1952. 7 v. 255.3 In7342R
I, Território do Acre; II, Amazonas; III, Pará; IV, Maranhão; V, Piauí; VII, Rio Grande do Norte; VIII, Paraíba.

57415 ITALY. ISTITUTO CENTRALE DI STATISTICA. Annuario statistico italiano, 1952, serie V, vol. IV [Italian statistical annual,1952, series V, vol. IV]. Roma,1953. 559 p. 261 An7
Includes agricultural statistics.

57416 IVERSEN, K. Crop yields and fertilizers. (In Danish.) Jydsk Landbr. 35:193-195. Mar.19,1953. 11 J99
Statistics.

57417 NIGERIA. DEPT. OF STATISTICS. Report on the sample census of agriculture 1950-51. Lagos,Survey Dept.,1952. 108 p. 281.19 N56

57418 NORONHA, F. J. Statistical approach to food problems. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.69-80. Mysore,1952. 389 M992

57419 PAKISTAN. COOPERATION AND MARKETING DEPT. Crop wealth of Pakistan, by F. A. Shah. Karachi, 1952. 287 p. (Its Marketing Series) 269.8 P172

57420 PORTUGAL. INSTITUTO NACIONAL DE ESTATISTICA. Estatística agrícola. Statistique agricole, 1951. Lisboa,1952. 327 p. 264 P49Ea

57421 RAAB, J. Die herbstaussaat 1952. Bayern in Zahlen 7:46-47. Feb.1953. 265 B34
Area planted.

57422 RISHER, F. W. Crop and livestock statistics. For Sale, Want & Exch. B. 7(12):1. Apr.15,1953. 280.38 F74
Florida.

57423 SOCIÉTE COLONIALE ANVERSOISE S. A. Etude sur le marché de divers produits congolais en 1951. Anvers,1952. 179 p. 270 So1
Production and trade statistics.

57424 SOUTH DAKOTA CROP AND LIVESTOCK REPORTING SERV. South Dakota agricultural statistics 1951 & 1952. Pierre,1953. 42 p. 252.79 T192

57425 TRAVAGLINI, V. Introduzione statistica allo studio dei problemi economici dell'Europa federata [Statistical introduction to the study of the economic problems of federated Europe]. Ist. di Econ. Internaz. Note Inform. e Doc. 4,164 p. 1952. 280.9 G285N
Includes agricultural statistics.

57426 U. S. BUR. OF AGRICULTURAL ECONOMICS. Missouri crop production 1952. Columbia,1953? 4 p. 1.941 S8M69

57427 U. S. BUR. OF AGRICULTURAL ECONOMICS. 1952 acreages and production with goal comparisons. Washington,1952. 10 p. 1.941 H8In2
U. S. Production and Marketing Administration cooperating.

57428 U. S. DEPT. OF AGRICULTURE. Agricultural statistics, 1952. Washington,1952. 876 p. 1 Ag84Yas

57429 WESTERN AUSTRALIA. STATISTICIAN'S OFF. Statistical register of Western Australia for 1949-50. Perth,1952. various pagings. 271.7 R26S
Includes agricultural statistics.

57430 WOLD, H., and JURÉEN, L. Demand analysis; a study in econometrics. New York,1953. 358 p. Ref. (Wiley Publications in Statistics) 280 W83
Contains chapters on elasticity calculations and consumption predictions for food.

BEVERAGES AND CONDIMENTS

57431 AAKER, J. R. An analysis of the coffee situation. Tea & Coffee Trade J. 104(3):14-15,33-34. Mar. 1953. 68.8 T22

57432 BARTON-WRIGHT, E. C. The carbohydrates of wort and the problem of attenuation. Wallerstein Lab. Commun. 16(52):5-30. Ref. Mar.1953. 390.9 W15

57433 BENITEZ DE CASTRO, M. El vino de Castilla. Rev. Vinic. y de Agr. (ser.2)73:29. Nov.1952. 390.8 R322

57434 BENVEGNIN, L., and CAPT, E. Améliorons nos vins rouges par collage. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:14-15. Feb.1953. 17 J82A

57435 BENVEGNIN, L., HAMMEL, G., and MICHOD, J. La pasteurisation éclair (flash-pasteurisation) dans le traitement des vins. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:22-24. Mar.1953. 17 J82A

57436 BERG, H. W. Fermentation; present practices in the California wine industry. J. Agr. & Food Chem. 1: 152-157. Ref. Apr.15,1953. 381 J8223

57437 BONNAT. Les circuits d'analyse de comparaison en vinaigrerie. Indus. Agr. et Aliment. 70:121-123. Feb.1953. 383 As7
English summary.

57438 BRAEUNER ROSALES, M. E. Fermentación y destilación alcohólica. Esc. de Farm. 14(177/178):1-8. (Cont.) Sept./Oct.1952. 396.8 Es1
Guatemala.

57439 BRAZIL. INSTITUTO NACIONAL DO MATE. Boletim estatístico [Statistical bulletin] 1952. n.p.,1952. 42 p. 255.3 In74

57440 BREMOND, E. Au sujet de la conservation des vins. Rev. Agr. de l'Afrique du Nord 51:164-167,188-192, 214-215. (Cont.) Feb.13-27,1953. 80 R326

57441 BYER, A. J., and ABRAMS, D. A comparison of the triangular and two-sample taste-test methods. Food Technol. 7:185-187. Ref. Apr.1953. 389.8 F7398
Beer.

57442 CALCUTTA TEA MERCHANTS ASSOCIATION. Annual report of the Committee for the year 1951. Calcutta,1952. 25 p. 68.19 C12

57443 CASARES, R., and CASARES, E. Constantes analíticos de los "brandys" de la zona Montilla-Moriles. An. de Bromatología 4:397-402. 1952. 389.8 An1
English summary.

57444 CASTOR, J. G. B. The B-complex vitamins of musts and wines as microbial growth factors. Appl. Microbiol. 1:97-102. Ref. Mar.1953. 448.3 Ap5

57445 CASTOR, J. G. B. The free amino acids of musts and wines. I-II. Food Res. 18:139-151. Ref. Mar./Apr.1953. 389.8 F7322
I, Microbiological estimation of fourteen amino acids in California grape musts; II, The fate of amino acids of must during alcoholic fermentation.

57446 CHACKO, V. I. Tea trends inside India. Coffee & Tea Indus. 76(3):43. Mar.1953. 389.8 Sp4

57447 CHEDEVILLE, C. Le classement des vins supérieurs de Tunisie. Feuille d'Inform. Vitic. et Arbor. de Tunisie 31:18-21. Feb.1953. 80 F433

57448 COLLINS, J. Cocoa supply seen as adequate. Internatl. Confectioner 63(3):23-25. Mar.1953. 389.8 In214

57449 COLOMBET, A. L'action tutélaire du parlement de Bourgogne vis-à-vis des vignes et des vins de notre province. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-Vie. B. 44:5-12. Jan. 1953. 390.9 F843
Historical.

57450 CROUZET, G. Coopératives vinicoles en Vivarais. Viticult. Nouvelle 6(59):17-19. Mar.1953. 390.8 V832

57451 CUEVAS, J. DE LAS. Historia del brandy de Jerez. Jerez de la Frontera,Jerez Industrial,1952. 268 p. 390.1 C892

57452 CUEVAS, J. DE LAS. Nuevas páginas sobre la viña y el vino de Jerez. Jerez de la Frontera,Jerez Industrial,1952. 124 p. 390.1 C893

57453 DALMASSO, G. The Academy of Grapes and Wine in Sardinia. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:35-37. Feb.1953. 16 C72

57454 DALMASSO, G. The Academy of Grapes and Wine is not useless. (In Italian.) Agricoltura 2(2):47-50. Feb.1953. 16 Ag8226

57455 DIETRICH, K. R. Rückläufiger trinkbranntweinabsatz bei der monopolverwaltung. Branntweinwirtschaft 75:71-72. Feb.25,1953. 390.8 B7322
Germany.

57456 DOMINGUEZ MARTIN, J. Aplicaciones agrícolas del pH. Rev. Vinic. y de Agr. (ser.2)73:35. Nov.1952. 390.8 R322
With special reference to wine.

57457 DOMINGUEZ MARTIN, J. Viticultura y turismo. Rev. Vinic. y de Agr. (ser.2)72:27. Oct.1952. 390.8 R322
Spain.

57458 ENGEL, F. Zur topographie der mikroorganismen im weinkeller. Verssta. f. das Gärungsgewerbe. Mitt. 7:1-6. Jan./Feb.1953. 390.08 V67

57459 FEDERACIÓN CAFETALERA CENTRO AMÉRICA, MÉXICO Y EL CARIBE. La adulteración del café como enemigo de la prosperidad económica de la industria cafetalera. San Salvador,El Salvador,1952. 11 p. 68.2 F312A

57460 FILIPPINI, A. Los precios máximos del vino comun. Vinos, Viñas y Frutas 48:303. Jan.1953. 9 Ag89

57461 GAENG, F. E. Les ondes ultrasonores en brasserie. Petit J. du Brasseur 61:206-207. Mar.20, 1953. 390.8 P44

57462 GARAVINI, G. Vats for the fermentation of Muscat and closed dunghills of the Val Canale type. (In Italian.) Genio Rur. 16:55-61. Feb.1953. 281.8 R522

57463 GRIEBEL, C. Zum stengelgehalt des schwarzen tees. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:405-411. Dec.1952. 384 Z39

57464 GRINDROD, J. Bulk handling of wine at Rouen. Fluid Handling 38:73-76. Mar.1953. 291.8 F67

57465 GROHMANN, H. Weinbezeichnung nach jahrgang oder rebsorte? Deut. Weinbau 8:112-113. Mar.5, 1953. 390.8 W432

57466 HAESELER, G. Fruchtdestillatliköre, eine lücke in den begriffsbestimmungen. Branntweinwirtschaft 75:70. Feb.25,1953. 390.8 B7322

57467 HALL, M. M. Pacific coast coffee developments. Coffee & Tea Indus. 76(4):13,20-21. Apr.1953. 389.8 Sp4

57468 HARREIS, F. Ein beitrag zur praktischen bedeutung der schaumzerstörenden wirkung der malzfettsubstanz. Brauwissenschaft 2:21-23. Feb.1953. 390.8 B733
English summary.

57469 HARRIS, J. E. Where chocolate comes from. Nat. Hist. 62:162-167,187. Apr.1953. 500 N483J

57470 HAUPTMANN, K. H. Fermentierungsprobleme bei der weinbereitung. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:114-115. Feb.1953. 384 Z39

57471 HAWKINS, R. Brandy production at Alta. Wines & Vines 34(3):17-19. Mar.1953. 95.8 C122

57472 HEILMEIER, F., and FINK, H. Uber das kühlen und klären von bierwürze unter besonderer berücksichtigung der hopfentrubfiltation nach Fehrmann. I-II. Brauwelt 23:281-285; 25:313-315. Mar.20-27,1953. 390.8 B732

57473 HELLER, F. Das bayerische weinjahr 1952. Bayern in Zahlen 7:49-50. Feb.1953. 265 B34
Grape and wine statistics.

57474 HENNIG, K. Fortschritte in der weinchemie. (Sum.) Z. f. Lebensmtl.-Untersuch u. -Forsch. 96: 114. Feb.1953. 384 Z39

57475 HIDALGO FERNANDEZ-CANO, L. Depósito de fermentación con remontado continuo. Siembra [Madrid] 8(12):6-9. Dec.1952. 15 Si1
Wine-making.

57476 ILLES, G. M. The fabulous flower that flavors. South. Dairy Prod. J. 53(4):160-161. Apr.1953. 44.8 So83
Vanilla.

57477 INSALATA, N. F. Here's how to nip those beverage contaminators. Food Engin. 25:70-72. Apr. 1953. 389.8 F737

57478 KAISER. Das 26. betriebsjahr 1944/45 der Reichsmonopolverwaltung für Branntwein. Branntweinwirtschaft 75:74-76. (Cont.) Feb.25,1953. 390.8 B7322

57479 KAISER. Das 26. betriebsjahr 1944/45 der Reichsmonopolverwaltung für Branntwein. Branntweinwirtschaft 75:93. (Cont.) Mar.10,1953. 390.8 B7322

57480 KAISER. Das 26. betriebsjahr 1944/45 der Reichsmonopolverwaltung für Branntwein. Branntweinwirtschaft 75:114-116. (Concl.) Mar.25,1953. 390.8 B7322

57481 KAPPELLER, K. Lecithin und seine anwendung in der schokoladen-industrie. Rev. Internatl. de la Choc. 8:39-40. Feb.1953. 68.38 R32

57482 KAUERT, G. La chromatographie et le brasseur. Fermentatio 1:1-8. 1953. 390.8 F38

57483 KIELHOFER, E. Die verwendung von stärkezucker bei der weinbereitung. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:115-116. Feb.1953. 384 Z39

57484 KLEINERT, J. Schokoladenerzeugnisse und fettreifverhütung. Rev. Internatl. de la Choc. 8:72-76. Mar.1953. 68.38 R32
English summary.
Cocoa butter.

57485 KNAPP, A., and SCHETTY, O. Internationale tagung der experten 1952 in Bern des Office International du Cacao et du Chocolat. Zucker- u. Süsswaren-Wirt. 6:171-174,177-178. (Cont.) Mar.2,1953. 286.86 Z8

57486 KNORR, F. Das redoxpotential und die haltbarkeit des bieres. Brauwissenschaft 2:17-20. Feb.1953. 390.8 B733
English summary.

57487 KRUG, C. A. Cafés del Brasil. San Salvador, El Salvador, Federación Cafetalera Centro América-México-El Caribe, 1953. 13 p. 281.368 K93

57488 LAVAU, J. Les vins de Tunisie et leur commercialisation. Feuille d'Inform. Vitic. et Arbor. de Tunisie 31:22-24. Feb.1953. 80 F433

57489 LINDNER, A. F. Dessertweine und ihre charakteristik. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:117-118. Feb.1953. 384 Z39

57490 LITTLE, K. The Kangra Valley and tea. Assam Rev. & Tea News 41:299-301. July 1952. 68.18 As7

57491 LLOBREGAT, E. Fundamentos de enologia. Vinos, Viñas y Frutas 48:357-358. Feb.1953. 9 Ag89

57492 LÜTHI, H. Gärführung und behandlung der obstweine im kleinbetrieb. Ed. 2. Frauenfeld, Huber, 1952. 65 p. 390.1 L97

57493 MADUENO, R. R. Modismos y refranes vitivinícolas. Vinos, Viñas y Frutas 48:328-331. (Cont.) Jan.1953. 9 Ag89

57494 MAESTRO PALO F. Aguilón y Villanueva de Huerva adelantados de las nuevas técnicas. Rev. Vinic. y Agr. (ser.2)72:17. Oct.1952. 390.8 R322
Wine manufacture.

57495 MAESTRO PALO, F. Cómo activar la segunda fermentación. Rev. Vinic. y de Agr. (ser.2)72:10. Oct. 1952. 390.8 R322

57496 MAESTRO PALO, F. El vino en estos dias. Rev. Vinic. y de Agr. (ser.2)73:20. Nov.1952. 390.8 R322
Manufacture.

57497 MARCUS, I. H. California's cooperative wineries. Wines & Vines 34(3):8-12. Mar.1953. 95.8 C122

57498 MARECA CORTÉS, I. Hacia la elaboración regulada de los vinos. Rev. de Cien. Apl. 7(30):34-38. Jan./Feb.1953. 475 R324

57499 MARTIN, P. Assainissement du marché du vin. Bouches du Rhône Agr. 25(1093):15. Mar.1,1953. 14 B662

57500 MAUREL, A., and LALEMENT, S. Etude des falsifications des extraits de vanille. Fruits et Leurs Dérivés 22:29-32. 1953. 389.68 J98

57501 MAYER, M. Die zentrifuge in der weinkellerwirtschaft. Rheinische Weinztg. 3:5-6. Jan.15,1953. 390.8 R34

57502 MICHEL, R. Composition des extraits alcooliques de vanille. Fruits et Leurs Dérivés 22:33. 1953. 389.68 J98

57503 NEY, M. Gewinnung und pflege der französischen crescenzweine und deren gesetzlicher schutz. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:116. Feb.1953. 384 Z39

57504 NUNEZ-SAMPER, M., and PORTOLES ALONSO, A. Sobre los "sucedáneos" de canela: caracteres químicos y micrográficos. An. de Bromatologia 4:361-369. Ref. 1952. 389.8 An1
English summary.

57505 OFF. INTERNATIONALE DU VIN. XXXIIe session officielle plénière du comité de l'O.I.V. (Fribourg, 19-23 août 1952) [rapports et exposés]. Off. Internatl. du Vin. B. 26(264):27-41. Feb.1953. 390.8 B87

57506 PAN FERGUSON, M. La vendimia y sus problemas en el siglo XVIII. Jerez de la Frontera, Jerez Industrial, 1952. 68 p. 390.1 P192
Wine.

57507 PELLEGRIN, M. La chromatographie fixera-t-elle la hiérarchie des grands crus? Nature [Paris] 3216: 125-126. Apr.1953. 473 N21

57508 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Estudio de los vinos tintos de 1952. Semana Vitivinic. 8(347):2. Feb.21,1953. 95.8 Se5

57509 PERRIAUX, L. Notes sur le commerce du vin à Beauce au XVIIIe siècle. France. Inst. Natl. des Appellations d'Origine des Vins et Eaux-de-Vie. B. 44:1-4. Jan.1953. 390.9 F843

57510 PETRI, W. Aktuelle weinrechtliche fragen. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:118. Feb.1953. 384 Z39
Germany.

57511 PRATOLONGO, U. The vine, the grape, and wine. (In Italian.) Italia Agr. 90:87-97. Feb.1953. 16 It1

57512 PRILLIGER, F. Pektin und süssmost. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3: 64-73. Ref. Mar.1953. 105.9 K696
English summary.

57513 QUE ES la Asociación Cafetalera de El Salvador? Asoc. Gen. de Agr. [Guatemala] B. 334:7. (Concl.) Feb.28,1953. 8 As52

57514 RAULT, J. Le marché mondial du café en 1952. Marchés Colon. du Monde 9:896-897. Mar.21, 1953. 286.8 M33

57515 RIBEREAU-GAYON, J., and PEYNAUD, E. Emploi du phytate de calcium dans les vins comme agent déferrant. Indus. Agr. et Aliment. 70:129-135. Feb. 1953. 383 As7
English summary.

57516 RIETZ, C. A. Revolutionary wine process uses all the grape. Glass Packer 32(4):36-37. Apr.1953. 309.8 G463

57517 RODRIGUEZ RODRIGUEZ, J. Fabricación de anisados y licores. Rev. Vinic. y de Agr. P. Monog. 9, 62 p. 1952. 95.8 R325

57518 ROULEAU, H. La degustation de la bière et les degustateurs. Petit J. du Brasseur 61:177-180,194-197. Mar.6-13,1953. 390.8 P44
Includes discussion.

57519 ROWE, A. P. The history and economic development of salt. N. Y. Agr. Col. Farm Econ. 189: 4978-4979. Mar.1953. 280.8 C812

57520 SACHSSE, M., and ROSENSTEIN, J. Uber den fettreif der schokolade. II. Fette u. Seifen 55:122-124. Feb.1953. 384 C422

57521 SALLER, W. Bisherige erfahrungen mit der tiefgekühlten gärung. Deut. Weinbau 8:111-112. Mar.5, 1953. 390.8 W432

57522 SALLER, W. Degustative beurteilung der gekühlt vergorenen weine. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:56-58. Mar.1953. 105.9 K696
English summary.

57523 SALLER, W. Einfluss verschiedener schädlingsbekämpfungsmittel auf die gärung. Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:51-56. Mar.1953. 105.9 K696
English summary.

57524 SATHE, N. R. Cocoa and chocolate industry in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.231-237. Mysore,1952. 389 M992

57525 SCHANDERL, H. The function of the microbiologist in cellar practice. Bottler & Packer 27(3):78, 81. Mar.1953. 390.8 B65

57526 SCHMIDT, A. Beitrag zur untersuchung und beurteilung von schwarzem tee. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:412-418. Ref. Dec.1952. 384 Z39

57527 SCHULZ, B. Arbeitstechnische erfahrungen uber lezithin-zusätze bei schokoladenmassen. Rev. Internatl. de la Choc. 8:41-42. Feb.1953. 68.38 R32

57528 SHEPHERD, D. A. SODAP. Cyprus. Dept. Coop. Co-op. Cyprus 28:4-6. Dec.1952. 280.29 C99C
Grape and wine cooperative.

57529 SHERMAN, J. A. Price conscious? Be spice conscious. Coffee & Tea Indus. 76(3):57-58. Mar.1953. 389.8 Sp4
Public relations.

57530 SPECHT, W. Zur kenntnis der ultraschallbehandlung von spirituosen. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:116. Feb.1953. 384 Z39

57531 STAHELIN, H. Kirsch—an old speciality of Switzerland. Swiss Indus. & Trade 32:41. 1953. 280.8 Sw6

57532 STRANDSKOV, F. B., BRESCIA, J. A., and BOCKELMANN, J. B. The application of selective bacteriostasis to brewery bacteriology. Wallerstein Lab. Commun. 16(52):31-38. Mar.1953. 390.9 W15

57533 STREULI, H. Bemerkungen zur untersuchung des kakaopulvers auf alkalisierungsmittel. Rev. Internatl. de la Choc. 8:35-36,38-39. Ref. Feb.1953. 68.38 R32
English summary.

57534 STUDER, E. Quality coffee. Indian Coffee 17: 10-11,16. Jan.26,1953. 68.29 In23M

57535 SWAIN, R. B. Effect of benzene hexachloride on coffee flavor in Nicaragua. J. Econ. Ent. 46:166-167. Feb.1953. 421 J822

57536 THOMSON, N. J. The Australian wine industry. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 6:34-39. Jan. 1953. 281.9 Au73

57537 TROOST, G. Zur behandlung und pflege des 1952ers im Rheingau. Rheinische Weinztg. 3:2-3. Jan. 15,1953. 390.8 R34

57538 VANOSSI, L. Rice in beer manufacture. (In Italian.) Riso 2(3):19-20. Mar.1953. 59.8 R49

57539 VERDON, R. Champs d'études de la Jonchère (Vendée). Viticult. Nouvelle 6(59):14-15. Mar.1953. 390.8 V832
Wine quality of different strains of grapes.

57540 VILLANUA, L., and NUNEZ-SAMPER, M. Métodos analíticos del pimentón. An. de Bromatologia 4: 431-453. Ref. 1952. 389.8 An1
English summary.

57541 WAGENER, G. W. Champagne versus sparkling wine. Wynboer 22(258):18-19,15. Mar.1953. 390.8 W724

57542 WERNER, R. Organisch-synthetische schädlingsbekämpfungsmittel im weinbau und ihre bedeutung für den lebensmittelchemiker. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:118. Feb.1953. 384 Z39

57543 ZEGLIN, H. Nachweis geringster mengen methanol in alkoholischen getränken. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:116. Feb.1953. 384 Z39

57544 ZINSER, W. Neuerungen in der bereitung und behandlung der weine. Raiffeisen-Rundschau 5:94. Apr.1953. 284.28 R132

DAIRY PRODUCTS

57545 ALONSO MUNOZ, A. Bases para una floreciente producción lechera. B. de Divulg. Ganad. [Ciudad Real] 7(76/78):19-22. Oct./Dec.1952. 49.9 Sp14

57546 APLIN, R. D. The dairy situation. Washington, U. S. D. A., Off. Sec.,1953. 12 p. 1.91 A2Ap3
Address at meeting of the Cooperative Pure Milk Association, Inc., Cincinnati, Mar. 5, 1953.

57547 BENDIXEN, H. A. Dairymen's strategy. (Excerpts.) Ontario Milk Prod. 28:254. Mar.1953. 44.8 On8

57548 BENSON, E. T. Turn dairy problems into opportunities. Washington,U. S. D. A., Off. Sec.,1953. 14 p. 1.91 A2B44
Address before the American Dairy Association in Chicago, Mar. 23, 1953.

57549 BOCKLEIN, H. Die milchwirtschaft vor schweren belastungsproben. Landwirt. Wchnbl. 143:471-472. Apr.11,1953. 18 L2338
Germany.

57550 BROCHU, E. Le yoghourt, merveille alimentaire des Balkans. Ferme 14(7):37,57-58. Mar.1953. 7 F38

57551 CHIEFFI, A., and RIBEIRO, J. A. The dairy industry of Brazil. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):43-45. 41.9 So13

57552 CLARK, H. C. Production in the dairy industry. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 6:3-6. Jan.1953. 281.9 Au73
Australia.

57553 COLLISSON, C. F. Wealth Belt States now produce more than half of nation's butter. Com. West 105(14):15. Apr.4,1953. 286.8 C733
On the dairy industry.

57554 CROSSLEY, E. L. Dairy factory management. Brit. Dairy Farmers' Assoc. J. 56:26-38. 1952. 44.9 B77

57555 CULLITY, M. Problems of dairy production. Austral. Dairy Rev. 21(3):14-15,24. Mar.2,1953. 44.8 Au73

57556 ELGAR, N. E. D. Voyage en France. Indus. Lait. (n.s.)76:13. Jan.1953. 44.8 In2
Dairy industry.

57557 ERIKSEN, A. Development in the dairy industry and working conditions for dairy plant operators. (In Norwegian.) Meieriposten 42:197-200. Mar.14,1953. 44.8 M47

57558 FERNANDES, S. The dairy production panorama. (In Portuguese.) Chacaras e Quintais 87:233-234. Feb.15,1953. 9.2 C34
Brazil.

57559 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Dairy products. Food & Agr. Organ. United Nations. FAO Commod. Ser. B. 24, 69 p. Feb.1953. 389.9 F735Cs
Includes statistics.

57560 FOREMAN, W. J. Factors determining the location of dairy manufacturing plants in Illinois viewed against the background of existing theory of regional economic development. Mich. U. Diss. Abs. 13:25-26. Feb.1953. 241.8 M58

57561 FREDERIKSEN, L. P. Milk and dairy products. (In Danish.) Jydsk Landbr. 35:157-164. Mar.5,1953. 11 J99
Production and marketing.

57562 FROKER, R. K. What's ahead for butterfat? South. Dairy Prod. J. 53(4):41-44. Apr.1953. 44.8 So83

57563 GERMANY (FEDERAL REPUBLIC, 1949-) MINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Statistischer bericht über die molkereiwirtschaft im Bundesgebiet, von O. Bauer. Köln,1952. 76 p. 265 G319S

57564 HARMA, R. Dairying in New York State and Finland. N. Y. Agr. Col. Farm Econ. 189:4959-4961. Mar.1953. 280.8 C812

57565 HIBBEN, R. C. Two decades. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(1):9-12. 1952. 389.9 In83

57566 HOLST, W. Die milchwirtschaft des Bundesgebietes im jahre 1952. Deut. Molk.-Ztg. 74:398-403. Mar.27,1953. 44.8 Su2

57567 HOVEY, V. F., and WENTWORTH, A. W. Vegetable fat in frozen desserts. Ice Cream Rev. 36(9):58-59, 70-72,96-97. Apr.1953. 389.8 Ic22

57568 HOVEY, V. F. Vegetable fat frozen desserts. Ice Cream Trade J. 49(3):22-23,101-102. Mar.1953. 389.8 Ic2

57569 HUNNICUTT, W. D. Making dairy dollars. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(1):36-42. 1952. 389.9 In83

57570 THE ICE cream industry year book 1953-4. London,1953. 212 p. 389.8 Ic28
Includes a directory.

57571 ILLINOIS DAIRY PRODUCTS ASSOCIATION. The Illinois dairy supply handbook, 1953. Chicago,1953. 60 p. 225 IL68

57572 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. Report of the proceedings of the 48th annual convention, Chicago, Illinois, September 22nd, 23rd, 24th, 1952. n.p.,1952. 4 v. 389.9 In83

57573 JENSEN, H. M. Cheese. (In Danish.) Husmandshjemmet 3(12):12-13. Mar.24,1953. 11 H963
The cheese industry in Denmark.

57574 JUDKINS, H. F. What is the dairy industry's responsibility to our universities. Butter, Cheese & Milk Prod. J. 44(3):35-36,38-42. Mar.1953. 286.85 B98Bu

57575 KANZOW. Bremen—ein milchwirtschaftliches zentrum. Molk.- u. Käserei-Ztg. 4:368-370. Mar.26, 1953. 44.8 M736

57576 KENNEDY, R. A contemporary revolution. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(1):20-29. 1952. 389.9 In83

57577 KIHL, W. Einzugsgebietsänderungen nach § 8 des Milch- und Fettgesetzes vom 10. 12. 1952. Molk.- u. Käserei-Ztg. 4:336-338. Mar.19,1953. 44.8 M736
Germany.

57578 KRACKER, P. Die bayerische milchwirtschaft 1952. Deut. Molk.-Ztg. 74:334-337. Mar.13,1953. 44.8 Su2

57579 LARSON, R. A. An alarming lack of interest in dairy subjects among college students raises the question—what's wrong with our dairy training? Amer. Milk Rev. 15(4):26,28,31,92. Apr.1953. 44.8 Am38

57580 LEROY, A. M. L'avenir de la production laitière. Rev. de l'Elevage 8(spec.no.Vache Lait.):4-5. 1953. 49 B462
France.

57581 LESLIE, N. Foreign fats precipitate legislative fight in California. Amer. Milk Rev. 15(4):32,98. Apr.1953. 44.8 Am38
Vegetable fat ice cream.

57582 LOMMEZ, J. La politique laitiére aux Pays-Bas. Rev. de l'Agr. 6:304-317. Mar.1953. 13 R322
English summary.

57583 MACNEISH, A. C. Chocolate drink and the Canadian dairy industry economy. Canad. Dairy & Ice Cream J. 32(3):36-38,76. Mar.1953. 44.8 C162

57584 MAKKINGA, H., and PARODI C., N. Leche y lecherias: producción y distribución de la leche en otros paises y en el Perú. Vida Agr. [Lima] 30(350):47,49,51-52. (Cont.) Jan.1953. 9.8 V66

57585 MAYER-DIETFURT, H. Was kann der Allgäuer milcherzeuger vom ausland lernen? Ergebnisse einer studienreise deutscher milchwirtschaftler nach den USA. Allgäuer Bauernbl. 21:177-179. Mar.19,1953. 18 AL53

57586 MUSSER K. Let's call a spade a spade. West. Dairy J. 9(6):52. Apr.1,1953. 44.8 W524
Dairy industry outlook.

57587 MYRICK, N. Benson bids industry solve its own problems. Amer. Milk Rev. 15(4):22,93. Apr. 1953. 44.8 Am38

57588 NERI, A. Butter. (In Italian.) Latte 27:87-88. (Cont.) Feb.1953. 44.8 L35
Legislation in Italy.

57589 NERTINGER, J. Abschreibungsfragen der milchwirtschaft. Deut. Molk.-Ztg. 74:474. Apr.10,1953. 44.8 Su2

57590 OTTESEN, R. Offentlige bestemmelser og tiltak m.v. på meieribrukets område i U.S.A.; rapport fra reise i U.S.A. [Official regulations and activities, etc., in the dairy industry field in U.S.A.; report on a trip to U.S.A] 1951. Oslo,Utvalget for Faglig Hjelp i Landbruket, 1952. 49 p. 281.344 Ot8

57591 PILSINGER, H. Aus Dänemarks milchwirtschaft. Salzburger Bauer 8(13):17-18. Apr.2,1953. 19 Sa3

57592 PILSINGER, H. Wissenswertes aus Dänemarks milchwirtschaft. Landwirtschaft 5/6:96-97. (Cont.) Mar.1953. 19 L235

57593 RAY, S. C., and DE, S. Indigenous milk products of India. III. Chhana. Indian Dairyman 5:15-18. Jan.1953. 44.8 In282

57594 RIBEIRO, J. A., SOLDADO, O. D., and SCALZO C. Dairy industry in the State of S. Paulo. (In Portuguese.) (Sum.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:36-37. Feb.1953. 44.8 B634

57595 RIBEIRO, J. A., SOLDADO, O. D., and SCALZO, C. Dairy industry of the State of Sao Paulo. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952 (spec.no.):56. 41.9 So13

57596 RIBEIRO, J. A. Dairy production in Baurú. (In Portuguese.) B. do Leite (ser.4)6(68):13-14. Feb. 1953. 44.8 B633

57597 RIBEIRO, J. A. Milk supply and consumption in Brazil. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):49. 41.9 So13

57598 SANKEY, G. C. The 1951 dairy show general report. Brit. Dairy Farmers' Assoc. J. 56:39-57. 1952. 44.9 B77

57599 SHONKWILER, O. From cow to customer: here's what dairying can do. I. Farmer [St. Paul], Gen. Ed. 71(8):1,64-66. Apr.18,1953. 6 F2211

57600 SKÅLTVEIT, T. Dairy industry in North Norway in 1952. (In Norwegian.) Meieriposten 42:172-178. Mar.7,1953. 44.8 M47

57601 SKREDEN, I. The dairy industry in Hedmark-Oppland in 1952. (In Norwegian.) Meieriposten 42:244-249. Mar.28,1953. 44.8 M47

57602 SNOW, B. V. "There oughta be a law!" II. Imitation milk products—how big is the threat? West. Dairy J. 9(6):33,35,58. Apr.1,1953. 44.8 W524

57603 SOMMER, H. H. Evaluating our future. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(1):29-36. 1952. 389.9 In83

57604 SPANN, J. Die anfänge der alpwirtschaftsförderung im Allgäu. Auf der Alpe 3:20-22. Mar.1953. 18 Au3

57605 STEDJE, O. The year 1952. (In Norwegian.) Meieriposten 42:190-194. Mar.14,1953. 44.8 M47
The dairy industry in Norway.

57606 STORGÅRDS, T. Dairy industry in Spain. (In Swedish.) Mjölkpropagandan 30:40-41. Feb.1953. 44.8 M692

57607 SUMMERS, J. W. Dairyman's dilemma. Sowest. Crop & Stock 7(4):24,93. Apr.1953. 6 So8942
Situation in the dairy industry.

57608 SWENSON, H. F. What is the gallonage in soft-serve products? Ice Cream Trade J. 49(3):30-31,117-119. Mar.1953. 389.8 Ic2

57609 TIEDEMAN, E. W., and others. Butterfat—what's ahead? Ice Cream Field 61(4):76,78,80,82-83. Apr.1953. 389.8 Ic23
J. B. Brown, H. G. Hodson, R. K. Froker, and J. O. Eastlack, joint authors.
A symposium.

57610 TIEDEMAN, E. W. What's ahead for butterfat. Holstein-Friesian World 50:646-647. Mar.21,1953. 43.8 H742

57611 URNER, G. The dairy industry prepares for self-help. Amer. Dairy Prod. Rev. 15(4):2-3. Apr.1953. 44.8 Am37

57612 VIRGINIA STATE DAIRYMEN'S ASSOCIATION. Forty-fifth annual convention, January 23 and 24, 1952, Roanoke, Virginia. n.p.,1952. 64 p. 44.9 V81A
Includes summary of Virginia dairying in 1951, by R. G. Connelly.

57613 WAYWELL, J. The trade through 1952. Ice Cream Indus. Ybk. 1953/54:83-85. 389.8 Ic28
Great Britain.

57614 WESTPHAL. Begriff und aufgabe der milchwirtschaftlichen betriebslehre—betriebswirtschaftslehre. Molk.- u. Käserei-Ztg. 4:304-305. (Cont.) Mar.12,1953. 44.8 M736
Germany.

57615 WESTPHAL. Begriff und aufgabe der milchwirtschaftlichen betriebslehre—betriebswirtschaftslehre. Molk.- u. Käserei-Ztg. 4:375-377. (Cont.) Ref. Mar.26, 1953. 44.8 M736

57616 WITHEY, S. H. Depreciation and maintenance of dairy plant. Dairyman & Dairy Engin. 70:184-185. Apr.1953. 44.8 D1426

Analysis and Composition

57617 AAS, G. Determination of fat in cream. (In Norwegian.) Meieriposten 42:241-244. Mar.28,1953. 44.8 M47

57618 ADAM, A. Milch für das kind. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:118-119. Feb. 1953. 384 Z39
Composition.

57619 BARTSCH, W. C. Coliforms in ice cream require cautious interpretation. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):9-15. 1952. 389.9 In83
Includes discussion.

57620 BORRELL, S., and FUENTE, R. Determinación de las diferentes fracciones proteínicas de las leches de cabra y oveja. An. de Bromatologia 4:421-429. 1952. 389.8 An1
English summary.

57621 DAVIS, J. G. The incidence of Mycobacterium tuberculosis in various types of raw and heat-treated milk. Dairy Indus. 18:210-221. Ref. Mar.1953. 44.8 D1427

57622 ECK, A. Réseaux d'analyses de comparaison en laiterie. Indus. Agr. et Aliment. 70:126-127. Feb. 1953. 383 As7
English summary.
Milk analysis.

57623 EHRLICH, R. Membrane filter method for determination of coliforms in pasteurized and certified milk. J. Milk & Food Technol. 16:6-8. Ref. Jan./Feb. 1953. 44.8 J824

57624 FERRAZ, O. DE A, and CALDAS, A. D. Bacterial count of raw milk intended for grades A, B, and C, consumed in the city of São Paulo. (In Portuguese.) (Sum.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6: 36. Feb.1953. 44.8 B634

57625 FURLONG, T. E., and ELLIKER, P. R. An improved method of determining concentration of quaternary ammonium compounds in water solutions and in milk. J. Dairy Sci. 36:225-234. Mar.1953. 44.8 J822

57626 GILMORE, T. E., and PRICE, W. V. Titration test for casein for use in cheesemaking. Butter, Cheese & Milk Prod. J. 44(3):28-29,61. Mar.1953. 286.85 B98Bu
Casein in milk.

57627 GRAY, P. H. H. A comparative test with milk stains. J. Milk & Food Technol. 15:220-221. Sept./Oct. 1952. 44.8 J824

57628 JACQUET, J., and others. Répartition de l'extrait sec et de la matière grasse à l'intérieur des fromages à pate molle du type Camembert. Acad. d'Agr. de France. Compt. Rend. 39:113-118. Jan.14/21,1953. 14 P215Bc
J. Delacroix, J. Lenoir, and H. Goudouin, joint authors.

57629 KNOWLES, F. The milk of the goat. Brit. Goat Soc. Ybk. 1953:61-65,67-73. Ref. 40.19 B77
Composition.

57630 KUNG, H. C., GADEN, E. L., and KING, C. G. Vitamins and enzymes in milk; effect of gamma-radiation on activity. J. Agr. & Food Chem. 1:142-144. Ref. Apr. 15,1953. 381 J8223

57631 LEMBKE, A., and KAUFMANN, W. Elektrophoretische untersuchungen an milchproteinen. II. Zur kenntnis des kaseins. Kieler Milchwirt. Forschber. 5: 21-25. 1953. 44.9 K542
English summary.

57632 MACLEOD, P., and ANDERSON, E. O. A study of the cell counts of milk from healthy cows. Conn. (Storrs) Agr. Expt. Sta. B. 290,23 p. Ref. June 1952. 100 C76S

57633 MENNINGER, H. Die qualität der trinkmilch und des joghurts in der Nordrhein-Provinz im spiegel der bakteriologischen untersuchungsergebnisse. Deut. Molk.-Ztg. 74:365-367. (Cont.) Mar.20,1953. 44.8 Su2

57634 MENNINGER, H. Die qualität der trinkmilch und des joghurts in der Nordrhein-Provinz im spiegel der bakteriologischen untersuchungsergebnisse. Deut. Molk.-Ztg. 74:403-404. (Cont.) Mar.27,1953. 44.8 Su2

57635 MILLIAN, S. J., and WEISER, H. H. The influence of DDT wettable powder on the methylene blue reduction test in milk. J. Milk & Food Technol. 16:4-5,8. Ref. Jan./Feb.1953. 44.8 J824

57636 MOHR, W., and KOENEN, K. Die beurteilung der qualität von schlagsahne. Deut. Molk.-Ztg. 74:468-471. Apr.10,1953. 44.8 Su2

57637 NASHIF, S. A. The lipase of Pseudomonas fragi. (Abs.) Iowa State Col. J. Sci. 27:224-226. Jan. 1953. 470 Io9
In dairy products.

57638 OLSEN, E. M. Coliform bacteria in milk. (In Danish.) Nord. Mejeri-Tidsskr. 19:15-17. 1953. 44.8 N752

57639 OLSON, H. C. The significance of coliforms in ice cream. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):15-22. 1952. 389.9 In83
Includes discussion.

57640 PETERS, I. I. The effect of aging cream upon the distribution pattern of free C_4, C_5, and C_6 fatty acids. J. Dairy Sci. 36:268-273. Mar.1953. 44.8 J822

57641 PROUTY, C. C. The effects of heat on bacteria in milk with particular reference to thermal death rates as influenced by various factors. J. Milk & Food Technol. 16:66-72,76. Ref. Mar./Apr.1953. 44.8 J824

57642 ROEDER, G. Die fehlerquellen bei der berechnung des trockenmassegehaltes der milch. Milchwissenschaft 8:125-130. Apr.1953. 44.8 M5933
English summary.

57643 ROGICK, F. A. Study on fermented milk consumed in São Paulo. (In Portuguese.) (Sum.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:36. Feb. 1953. 44.8 B634
Analysis.

57644 SAGER, O. S., and SANDERS, G. P. B.D.I. detergent test for butterfat. Canad. Dairy & Ice Cream J. 32(3):74-75,80. (Cont.) Mar.1953. 44.8 C162

57645 SAGER, O. S., and SANDERS, G. P. A BDI detergent test for butterfat in milk and other dairy products. South. Dairy Prod. J. 53(4):120-123,129-130,132-133,140-142. Apr.1953. 44.8 So83

57646 SCHARER, H. Scharer modified phosphatase methods. J. Milk & Food Technol. 16:86-88. Mar./Apr. 1953. 44.8 J824
Milk.

57647 SCHERSCHEL, P. Variations in butterfat test. Pure Milk 27(3):6. Mar.1953. 280.28 P97

57648 SCHULZ, M. E., and others. Die untersuchung von käse mit hilfe von röntgenstrahlen. Deut. Molk.-Ztg. 74:471-473. Ref. Apr.10,1953. 44.8 Su2
G. Sydow, U. Kock, and H. Siegfried, joint authors.

57649 SIEVERDING, O. C., and LANG, B. G. The effect of time and temperature after the addition of Folin reagent in the determination of phosphatase. J. Milk & Food Technol. 15:282-284,299. Nov./Dec.1952. 44.8 J824
In pasteurized milk.

57650 SMEETS, W. T. G. M. De bepaling van de calciumionenconcentratie in melkultrafiltraat; betekenis voor het "Utrechtse melkgebrek." The determination of calcium ions concentration in milk ultrafiltrate; importance for the "Utrecht abnormality of milk." Utrecht, Dekker & Van de Vegt,1952. 161 p. Ref. 44 Sm3
Proefschrift - Utrecht.

57651 TAPIAS, R. Los microbios de la leche. Cult. Mod. 36(2):51. Feb.1953. 15 C89

57652 TEMPLETON, H. L. How can small operations maintain a quality control program at a profit. Cherry-Burrell Circle 38(3/4):3-4,6-7. Mar./Apr.1953. 44.8 C42
Milk testing.

57653 VAANDRAGER, G. The butterfat content of cream. So. African Dairyman 15:7. Jan.1953. 44.8 So822

57654 VILLANUA, L., and FUENTE, R. Métodos analíticos de la leche condensada azucarada. An. de Bromatologia 4:335-348. 1952. 389.8 An1
English summary.

57655 WILDASIN, H. L., and ANDERSON, E. O. A modified Babcock test for homogenized milk using cationic detergents. Conn. (Storrs) Agr. Expt. Sta. B. 287,20 p. Apr.1952. 100 C76S

57656 WRIGHT, E. Some aids in the mathematics of milk control. J. Milk & Food Technol. 16:81-82,85. Mar./Apr.1953. 44.8 J824
Plate counts.

Consumption and Utilization

57657 JANKOWSKI, S., and LISKE, R. Economical and zootechnical reasons for the utilization of milk of mutton-wool sheep. (In Polish.) Rocz. Nauk Roln. 62: 169-176. 1952. 20.5 R59
English summary.

57658 LEE, J. W. Skim milk powder for use in Australian bread. Australas. Baker & Millers' J. 56(672): 28,32,34,37-38,42. Mar.1953. 298.8 Au7

57659 PAUL, T. M. Toned milk—a solution to the milk scarcity in India. Indian Dairyman 5(2):33-34. Feb. 1953. 44.8 In282
Use of skim milk powder.

Distribution, Marketing, and Transportation

57660 BAILEY, A. W. One year to get in order. Hoard's Dairyman 98:398-399. Apr.25,1953. 44.8 H65
Public relations for butter.

57661 BAUM, E. L., and PAULS, D. E. A comparative analysis of costs of farm collection of milk by can and tank in western Washington, 1952. Wash. Agr. Expt. Sta. Tech. B. 10,37 p. May 1953. 100 W27T

57662 BOFFA, U. Present directions in the marketing of milk for food. (In Italian.) Latte 27:71-73. Feb.1953. 44.8 L35
Italy.

57663 BRESSLER, R. G. City milk distribution. Cambridge,Harvard U. Press,1952. 398 p. (Harvard Economic Studies 91) 280.344 B75Ci

57664 CLIFT, B. P. Let's get together. Ark. Agr. Col. Ext. L. 174,4 p.-folder. Nov.1952. 275.29 Ar4Le
Dairy marketing.

57665 EASTMAN, E. R. Do it yourselves! A challenge to put dairy marketing on a permanent and profitable basis. Amer. Agr. 150:249,268. Apr.18,1953. 6 Am3

57666 EKBERG, K. Deliveries of milk to dairies during the year 1952. (In Swedish.) Lantm. och Andelsfolk 26:41-44. Feb.28,1953. 20 L29
In Finland.

57667 EKBERG, K. Uniting around farm enterprises. (In Swedish.) Lantm. och Andelsfolk 26:19-21. Feb.15, 1953. 20 L29
Chiefly on dairy cooperatives in Finland.

57668 FIFER, R. Life with butter. (Excerpts.) South. Dairy Prod. J. 53(4):144-145. Apr.1953. 44.8 So83
Public relations.

57669 HALL, A., and others. Panel: promotion of bulk ice cream sales. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(4):10-30. 1952. 389.9 In83
A. C. Kunkel, J. C. McWilliams, and W. Skinner, joint authors.
Includes discussion.

57670 HEIGRE, M., and SYRRIST, G. Variations in amount of milk delivered to Norwegian dairies. (In Norwegian.) Meieriposten 42:143-147. (Cont.) Feb.21,1953. 44.8 M47

57671 HILL, W. F. Merchandising ice cream in food markets. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(4):42-52. 1952. 389.9 In83
Includes discussion.

57672 HULT, M. Introduction to the film: Role of dairy foods in weight reduction. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(1):59-63. 1952. 389.9 In83

57673 JOHNSON, P. C. Ten tasks for dairymen; modern methods are selling more milk, but the job is just begun. Prairie Farmer, Gen. Ed. 125(8):1,30-32. Apr.18, 1953. 6 P883

57674 LEGERSTEE, C. J. Sale of apples and pears in England. (In Dutch.) Fruitteelt 43:184-185. Feb.28, 1953. 86 N28

57675 LUDEMANN, W. Marktordnung oder interessenüberwachung? Untersuchung über den sinn des § 8 MFG vom 10. 12. 1952. Molk.-Ztg. 7:329-330. Mar.26, 1953. 44.8 M735

57676 MILLER, A. H. What and who is your competition. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(4): 30-37. 1952. 389.9 In83

57677 PAARLBERG, D. Let's sell milk. Successful Farming 51(5):35,60,62-63. May 1953. 6 Su12

57678 PRIPSTEIN, H. Packaged sales without cut price. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(4): 39-42. 1952. 389.9 In83

57679 RIO, A. DEL. El abasto público de la leche en relación con la Sanidad Nacional y el fomento de la producción. Asoc. Nac. de Ingen. Agrón. B. 3(35):21-28. Feb.1953. 58.9 As5
Spain.

57680 ROBBINS, H. H. New trends in packaging and merchandising ice cream. Ice Cream Rev. 36(9):63,92,94. Apr.1953. 389.8 Ic22

57681 SCHULZ, W. G. Look how all Jersey milk is selling. Hoard's Dairyman 98:325,342-343. Apr.10,1953. 44.8 H65

57682 SOUTH ISLAND DAIRY ASSOCIATION. Annual report and balance sheet for year ended 31st March, 1952. Invercargill,1952. 12 p. 280.2449 So82A

57683 SPENCER, L. Milk producers' cooperative associations in the New York milkshed. N. Y. Agr. Col. Farm Econ. 189:4972-4975. Mar.1953. 280.8 C812

57684 STORKØBENHAVNS KOMMUNALE MAELKEUDVALG. Beretning vedrørende maelkehandelen i Storkøbenhavn 1951 og 1952 [Report on milk marketing in Greater Copenhagen] 1951 and 1952. København,1953. 44.9 St7

57685 TRENDS in fluid milk sales. Research [R. I. Sta.] 3:17-19. Fall 1952. 100 R34R

57686 WEAVER, E. Where are we? Where to? (Excerpts) Ayrshire Digest 39:148. Mar.15,1953. 43.8 Ay7
Public relations in the dairy industry with regard to vegetable fat competition.

57687 WESTBROOK, F. A. Bulk milk routes are increasing. Milk Indus. 33(9):66-70. Mar.1953. 44.8 M593
Tank trucks.

57688 WILSON, A. M. Homemakers want to know. South. Dairy Prod. J. 53(4):146-149. Apr.1953. 44.8 So83
Public relations in the dairy industry.

Grading, Inspection, Standardization, and Quality

57689 ASPIN, G. D. The law relating to infection of milk. Dairyman & Dairy Engin. 70:175-177. Apr.1953. 44.8 D1426
Great Britain.

57690 BARBOSA, H. D. C. Considerations on milk sanitation. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:51-60. Feb.1953. 44.8 B634
Disease transmission through milk and sanitary procedures.

57691 BEATTIE, D. M. High quality and good packaging for domestic sales of Cheddar. Canad. Dairy & Ice Cream J. 32(3):39-40,66. Mar.1953. 44.8 C162

57692 CASALIS, J. De la mamelle au consommateur. Rev. de l'Elevage 8(spec.no.Vache Lait.):71-75,77. 1953. 49 B462
Milk sanitation and quality.

57693 DIXSAUT, R. Le lait propre. Agr. d'Eure-et-Loir 208:2; 209:4; 210:2; 211:3; 211:3; 212:3. (Concl.) Feb.25-Mar.25,1953. 14 Ag828

57694 DUBLIN COUNTY COUNCIL. CHIEF VETERINARY OFFICER. Milk and dairy inspection; annual report for the year 1951. Irish Vet. J. 7:22-29. Feb.1953. 41.8 Ir4

57695 FERRAZ, C. L., and SILVA, F. S. Grades of milk in São Paulo. (In Portuguese.) (Sum.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:37. Feb.1953. 44.8 B634

57696 FERRAZ, C. L., and SILVA, F. S. -Grades of milk in São Paulo. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):40. 41.9 So13

57697 FERRAZ, O. DE. A., and CALDAS, A. D. Bacterial count of raw milk destined for classes "A", "B", and "C", consumed in the city of São Paulo. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec. 1952(spec.no.):38. 41.9 So13

57698 FERRAZ, O. DE A, and SILVA, F. S. Health and sanitary aspects of types of consumer milk in the city of São Paulo. (In Portuguese.) (Sum.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:37. Feb.1953. 44.8 B634

57699 FERRAZ, O. DE. A., and SILVA, F. S. Hygienic-sanitary aspects of classes of milk for consumption in the city of São Paulo. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):42. 41.9 So13

57700 FISTERE, C. M. Our case for Federal standards: the Food and Drug hearing in review. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):57-63. 1952. 389.9 In83

57701 GHIGGOILE, O. A. Regulations governing sanitation of roadside stands dispening frozen desserts. J. Milk & Food Technol. 15:262-263. Nov./Dec.1952. 44.8 J824

57702 GIUFFRIDA, G. Aspects of the sanitary regulation of milk. (In Italian.) Latte 27:74-78. Ref. Feb. 1953. 44.8 L35
Italy.

57703 GIVAN, T. B. Pediatrics and certified milk. Certif. Milk 28(4):5. Apr.1953. 44.8 C33

57704 HILLER, G. A. Hygiene and legislation. Ice Cream Indus. Ybk. 1953/54:100-102. 389.8 Ic28

57705 HOLM, U., WODE, G., and THOME, K. E. Oily flavour in butter and a, β-unsaturated carbonyl compounds. Alnarps Lantbr.-, Mejeri- och Trädgårdsinst. Stat. Mejeriförsök. Meddel. 37,14 p. Ref. 1952. 44.9 AL6

57706 HOWE, S. R. Legislation in Canada governing sanitation of roadside stands dispensing frozen desserts. J. Milk & Food Technol. 15:261. Nov./Dec. 1952. 44.8 J824

57707 LANGHARD, O. Das käsequalitätsproblem. Schweiz. Milchztg. 79:153. Mar.24,1953. 44.8 Sch92

57708 LESLIE, S. When milk takes the count. Farmers Wk. [London] 38(13):78-80. Mar.27,1953. 10 F2226
Sources of contamination in milk.

57709 LUCHTERHAND, C. The public health aspects of the ice cream industry. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):5-9. 1952. 389.9 In83

57710 MATALLANA VENTURA, S. La denominación y calidad de los quesos. Siembra [Madrid] 8(12):3-5. Dec.1952. 15 Si1

57711 MAYER, T. Die 4. bayerische vollzugs-verordnung zum Milch- und Fettgesetz. Deut. Molk.-Ztg. 74: 305-307. Mar.6,1953. 44.8 Su2

57712 MULVANY, J. L. La calidad de la leche por la prueba de la resazurina. Chacra 23(268):20. Mar.1953. 9 C34

57713 MYRICK, N. What people don't know can hurt you. Amer. Milk Rev. 15(4):17-18,20,90-91. Apr.1953. 44.8 Am38
Milk dating.

57714 NATIONAL RESEARCH COUNCIL. COMMITTEE ON MILK PRODUCTION, DISTRIBUTION, AND QUALITY. Sanitary milk control and its relation to the sanitary, nutritive, and other qualities of milk, by A. C. Dahlberg, H. S. Adams, and M. E. Held. Washington, 1953. 174 p. (National Research Council. Publication 250) 44 N2173S

57715 PAIN, P. The law relating to ice cream. Ice Cream Indus. Ybk. 1953/54:86-99. 389.8 Ic28
Great Britain.

57716 PASCAL, M. Une organisation d'amélioration et de contrôle de la qualité du lait. Tech. Lait. 9(125):22-26. Mar.15,1953. 44.8 Of2
France.

57717 PETERSEN, N. Neue untersuchungen über hefegeschmack der butter. Fette u. Seifen 55:124-126. Ref. Feb.1953. 384 C422

57718 SALA ROCA, E. La regulación de la producción y abasto de leche de Barcelona. Cult. Mod. 36:12. Jan.1953. 15 C89

57719 SCHIØTTZ-CHRISTENSEN, E. Quality control for Danish dairy produce. Dairyman & Dairy Engin. 70: 189,193,195. Apr.1953. 44.8 D1426
Regulation.

57720 SUTTON, D. A. Oxidised flavours in dairy products. So. African Dairyman 15:3-5. Ref. Jan.1953. 44.8 So822

57721 WESTON, C. S. How certified milk began. Certif. Milk 28(3):11,18. Mar.1953. 44.8 C33

57722 WOLFFRAM, N. Bedeutung und leistung der bakteriologischen fleischuntersuchung. Monatsh. f. Tierheilk. 5:49-58. Ref. 1953. 41.8 M74
Germany.

57723 WUSTENBERG, J. Molkereihygienischer erfolgsbeitrag aus dem grossstädtischen industrierevier des Ruhrgebietes. Milchwissenschaft 8:121-124. Apr. 1953. 44.8 M5933
English summary.

Packing and Packaging

57724 BACHMANN, H. Normung der sterilmilchflasche. Molk.- u. Käserei-Ztg. 4:183-185. Feb.12,1953. 44.8 M736

57725 MAIR, W. H. Problems in can washing. South. Dairy Prod. J. 53(4):112-115. Apr.1953. 44.8 So83

57726 MEINARDUS, F. G. Erfahrungen bei der butterverpackung. Deut. Molk.-Ztg. 74(10):inside front cover. Mar.6,1953. 44.8 Su2

57727 MOJONNIER, H. C. New methods in handling milk cases. Amer. Milk Rev. 15(4):38-40,102. Apr.1953. 44.8 Am38

57728 MOJONNIER, R. W. Some new methods used in handling milk cases. South. Dairy Prod. J. 53(4):53-55, 65-67. Apr.1953. 44.8 So83

57729 NORTH, G. C. Available packaging equipment for nonfat dry milk solids. Butter, Cheese & Milk Prod. J. 44(4):22-23,58-59. Apr.1953. 286.85 B98Bu

57730 THE PACKAGING of butter. (In Dutch.) Zuivelbereiding en -Handel 59:223,225,227. (Cont.) Mar. 17,1953. 44.8 N282

57731 THE PACKAGING of cheese. (In Dutch.) Zuivelbereiding en -Handel 59:200-201,203,205,207,209, 211,213. Mar.17,1953. 44.8 N232

57732 RANNEMEYER, A. Kann ein "professor" kannen waschen? Deut. Milchhandels-Ztg. 75(11):12-13. Mar.20,1953. 44.8 D48

57733 TOWERS, E. P. The packaging expert in the dairy. Dairy Indus. 18:231,239. Mar.1953. 44.8 D1427

Prices, Price Control, and Rationing

57734 CHARVET, J. Le prix du lait. Rev. de l'Elevage 8(spec.no.Vache Lait.):104-106. 1953. 49 B462
France.

57735 DANKENBRING, R. Your best bet is below the creamline. Farm J. 76(5):42-43,168-169. May 1953. 6 F2212
Milk prices based non-fat solids as well as butter-fat.

57736 HERNING, S. Settling of milk accounts. (In Danish.) Dansk Landbr. 72:179-180. Apr.9,1953. 280.28 V91

57737 MASSY, H. L'eternelle déception; quelques considérations sur le prix du lait. Almanach Agr. de la Suisse Romande 91:52-55. 1953. 30.3 AL6

57738 MOLER, W. We will be wiser six months from now, says an Ohio dealer in this practical discussion of store differentials and container sizes. Amer. Milk Rev. 15(4):46,48,98-99. Apr.1953. 44.8 Am38

57739 PARSONS, P. S., and others. The New England basic class 1 milk price. Maine. Agr. Col. Ext. B. 424, 15 p. Sept.1952. 275.29 M281B
W. F. Henry, R. E. Underwood, T. M. Adams, and E. W. Bell, joint authors.

57740 SWENDSEID, R. Brief presented to California Bureau of Milk Control March 18, 1953. Calif. Dairyman 33(5):12-13,17. Apr.4,1953. 44.8 C12
Prices and costs.

57741 U. S. BUR. OF AGRICULTURAL ECONOMICS. Economy of dairy foods for better nutrition, by P. E. O'Donnell. Chicago,Natl. Dairy Council,1952. 6 p. 389.1 Od5
Includes price data.

57742 U. S. PRODUCTION AND MARKETING ADMIN. The "18 condensery" milk price series, by J. L. Blum and R. W. March. Washington,1952. 19 p. 1.956 D14Ei4

Processing and Storage

57743 ANDREWS, H. C., and ANDREWS, H. L. The dairy business needs research and legislative assistance. Butter, Cheese & Milk Prod. J. 44(3):30-31. Mar.1953. 286.85 B98Bu

57744 ARBUCKLE, W. S., and NISONGER, J. W. Application of high-temperature-short-time pasteurization of ice cream mix as related to the use of different stabilizers. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):22-29. Ref. 1952. 389.9 In83

57745 ARBUCKLE, W. S. High milk solids-not-fat ice cream. South. Dairy Prod. J. 53(4):138-139. Apr. 1953. 44.8 So83

57746 BACON, L. R., and SOTIER, A. L. Antibac—a new type of chlorine sanitizer. J. Milk & Food Technol. 15:285-293. Nov./Dec.1952. 44.8 J824

57747 BASKETT, D. W. Observations on the production of lollies. Ice Cream Indus. Ybk. 1953/54:132-135. 389.8 Ic28

57748 BAUER, H. Uber die kälteversorgung in molkereien. Deut. Molk.-Ztg. 74:301-304. Mar.6,1953. 44.8 Su2

57749 BELLE, G. Une mesure sanitaire qui s'impose: la pasteurisation obligatoire du lait. Terre Marocaine 27:84-88. (Cont.) Mar.1953. 24 T44
For control of human and animal disease.

57750 BLUME, H. Die neue milchannahme der Molkerei Ahlen. Molk.- u. Käserei-Ztg. 4:341-342. Mar.19,1953. 44.8 M736

57751 BRYANT, C. B. A. Farm tank holding of milk with tank truck pick-up. J. Milk & Food Technol. 15:294-299. Nov./Dec.1952. 44.8 J824

57752 CAMPBELL, L. A. Production of calcium lactate and lactic acid from cheese whey. Canad. Dairy & Ice Cream J. 32(3):29-31,77-78. Mar.1953. 44.8 C162

57753 CAPSTICK, E., HALL, H. S., and NELL, W. A. New and improved inventions—dairy show, 1951. Brit. Dairy Farmers' Assoc. J. 56:182-198. 1952. 44.9 B77

57754 CRUESS, W. V., BINDER, R., and NICKERSON, T. A. Raisin ice cream. Ice Cream Rev. 36(9):62,76-78, 80. Apr.1953. 389.8 Ic22

57755 CURRY, J. C., and BARBER, F. W. "Inhibition" of Streptococcus lactis by a quaternary ammonium compound in cheese milks. J. Milk & Food Technol. 15: 278-281,299. Ref. Nov./Dec.1952. 44.8 J824

57756 DEPEW, H. F. A comparison of high-temperature-short-time vs holder systems of making ice cream mix. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2): 33-38. 1952. 389.9 In83
Includes discussion.

57757 DIJKSTRA, S. Continuous butter manufacture. III. The Fritz apparatus in practice. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:182-183. Mar.25,1953. 44.9 AL3

57758 EFKES, U. Das sollten wir von der butter wissen! Deut. Milchhandels-Ztg. 75(11):8-9. Mar.20, 1953. 44.8 D48
Manufacture, types, and grading in Germany.

57759 FITZMAURICE, D. T. The engineering aspects of the high-temperature-short-time pasteurization of ice cream mix. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):29-33. Ref. 1952. 389.9 In83

57760 FLEISCHMAN, F. F., and HOLLAND, R. F. The cleaning of glass piping in dairy plants. J. Milk & Food Technol. 16:9-14. Jan./Feb.1953. 44.8 J824

57761 FORSTER, T. L. Sweet cream vs. sweet butter as a source of milk fat for ice cream. N. Dak. Agr. Expt. Sta. Bimon. B. 15:177-179. Mar./Apr.1953. 100 N813B

57762 GEBHARDT, H. Die durchflussmengenregelung der milcherhitzer beim betrieb mit schaumlosen und hermetischen Alfa-Laval-separatoren. Molk.-u. Käserei-Ztg. 4:246-247. Feb.26,1953. 44.8 M736

57763 HALL, C. V. Up receiving-room efficiency. Food Engin. 25:66-68,184,186,188,190. Apr.1953. 389.8 F737
Milk handling.

57764 HODES, H. P. Clean-in-place pipelines. Butter, Cheese & Milk Prod. J. 44(4):24-26,36-38. Apr. 1953. 286.85 B98Bu

57765 HUISMAN, H. J. Cooling of milk on farms. (In Dutch.) Doelmatige Veehouderij 1:83-85. June 1952. 49 D67

57766 HUMPHRISS, E. Mix formulae calculation. Ice Cream Indus. Ybk. 1953/54:108-113. 389.8 Ic28

57767 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. Report of the proceedings of the 48th annual convention, Chicago, Illinois, September 22nd, 23rd, 24th, 1952, volume 2. Production and Laboratory Council. n.p.,1952. 88 p. 389.9 In83

57768 INTERNATIONAL ASSOCIATION OF MILK AND FOOD SANITARIANS. Committee reports [39th annual meeting]. J. Milk & Food Technol. 15:258-276. Nov./Dec.1952. 44.8 J824

57769 IRVINE, D. M., and PRICE, W. V. U.S. patents in the cheese industry. Butter, Cheese & Milk Prod. J. 44(4):28-29,42-44. Apr.1953. 286.85 B98Bu

57770 JORDAN, W. K., and HOLLAND, R. F. Studies on thermal methods of measuring the holding time in high-temperature short-time pasteurizers. J. Milk & Food Technol. 16:15-21,25. Jan./Feb.1953. 44.8 J824

57771 KEILING, M. La pasteurisation du lait et les producteurs. Mach. Agr. Franç. 1:29-30. Jan.1952. 58.8 M184

57772 KEILLING, J., and others. Les perspectives ouvertes à l'industrie des levains par la lyophilisation. Tech. Lait. 9(125):20-21. Mar.15,1953. 44.8 Of2
J. Casalis, F. Ardin, and H. Bousquet, joint authors.
Starters.

57773 KNOLLENBERG, R., and LINDEWIRTH, E. Homogenisierung und homogenisiermaschinen. Molk.- u. Käserei-Ztg. 4:306-308. Mar.12,1953. 44.8 M736

57774 KRIENKE, W. A., and MULL, L. E. Delicate flavors of fresh citrus captured in new ice creams. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):86-88. 1952. 389.9 In83

57775 LABLANCHY, A. Il faut équiper la production laitière. Rev. de l'Elevage 8(spec.no. Vache Lait.):108-109. 1953. 49 B462

57776 LEMBKE, A., and GANTZ, H. Mechanische inaktivierung von bakterien. Kieler Milchwirt. Forschber. 5:11-19. Ref. 1953. 44.9 K542
English summary.

57777 LETZAS, R. Das problem der kondensatableitung bei dampfbeheizten milcherhitzern. Molk.-Ztg. 7:301-302. Mar.19,1953. 44.8 M735

57778 LINDNER, K. H. Entsalzte milch—auch in Deutschland. Molk.-u. Käserei-Ztg. 4:247-248. Feb.26, 1953. 44.8 M736

57779 LLOYD, A. T. Bulk handling of milk. Farm Electrif. 7(2):8-9. Mar./Apr.1953. 335.8 F224

57780 MCKEE, J. E. The optimum vehicle for fluoridation—water or milk? New Eng. Water Works Assoc. J. 67:9-23. Ref. Mar.1953. 292.9 N44
Includes discussion.

57781 MAIR-WALDBURG. Arbeiten aus der Eidg. Milchwirtschaftlichen und Bakteriologischen Versuchsanstalt Liebefeld-Bern. Deut. Molk.-Ztg. 74:338-339. Mar.13,1953. 44.8 Su2

57782 MARCHAND. Assainissement des bâtiments de laiterie. Tech. Lait. 9(123):29-30. Feb.15,1953. 44.8 Of2

57783 MARSHALL, J. Strife, strikes and supplies of dairy equipment. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(1):52-59. 1952. 389.9 In83

57784 MARTIN, W. H. Preparation of low fat, high solids mixes. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):67-73. 1952. 389.9 In83
Includes discussion.

57785 MINUT, J. Conviene, mejora o se debe pasteurizar la leche para elaborar quesos? Indus. Lech. 35(402):26-29. (Cont.) Jan.1953. 44.8 In26

57786 MOHR, W., and KOENEN, K. Eine neue standard-apparatur zum schlagen von schlagsahne. Molk.- u. Käserei-Ztg. 4:244-245. Feb.26,1953. 44.8 M736

57787 MOHR, W., and WORTMANN, A. Prüfung von reinigungsmitteln im korrosionsversuch gegenüber materiallen der milchwirtschaftlichen apparate und geräte. Milchwissenschaft 8:111-118. Apr.1953. 44.8 M5933
English summary.

57788 MORRIS, T. A. Acidity and moisture control during the manufacture of Cheddar cheese. Queensland Agr. J. 75:363-369. Dec.1952. 23 Q33

57789 NELSON, G. T. Economic aspects of farm tank handling of milk in Oregon. Oreg. Agr. Expt. Sta. C. Inform. 520,11 p. Feb.1953. 100 Or3C

57790 NELSON, G. T. Oregon report on bulk handling. Milk Plant Mon. 42(3):23-24. Mar.1953. 44.8 C864
Farm tanks and tank trucks.

57791 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Clean milk production. XI. North. Ireland. Min. Agr. Mon. Agr. Rpt. 27:323-328. Mar.1953. 256.13 Ag82M

57792 PATTON, S. A new method of making butteroil. Pa. Agr. Expt. Sta. B. 553(sup.2):11. Mar.1953. 100 P381

57793 POLITI, I. About the serum-ferments used in the fabrication of Parmesan cheese. (In Italian.) Mondo del Latte 2:71-72,75-76,79,81. Feb.1953. 44.8 M74

57794 PYNE, G. T. Calcium salts and the rennet coagulation of milk. Chem. & Indus. 13:302-303. Mar. 28,1953. 382 M31C

57795 RADEMA, H. Fritz apparatus in practice. I. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:147-148. Mar.11,1953. 44.9 AL3
Butter manufacture.

57796 RADEMA, H. The Fritz apparatus in practice. II. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45: 165-166. Mar.18,1953. 44.9 AL3
Continuous butter manufacture.

57797 RIBEIRO, J. A. Aspects of cheese manufacture in Brazil. (In Portuguese.) (Sum.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:38. Feb.1953. 44.8 B634

57798 RIBEIRO, J. A. Aspects of cheese manufacture in Brazil. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):48. 41.9 So13

57799 RIBEIRO, J. A. "Minas" cheese and varieties of it; technology of manufacture. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):46. 41.9 So13

57800 RIBEIRO, J. A. Minas cheese and varieties; technology of manufacture. (In Portuguese.) (Sum.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:38. Feb.1953. 44.8 B634

57801 RICHTLINIEN für schaltung, montage und betrieb von erhitzungseinrichtungen aufgestellt vom ausschuss für erhitzertechnik; mit erläuterungen von G. Wälzholz, Kiel; stand vom Dezember 1952 gultig bis 31. Dezember 1953. Kieler Milchwirt. Forschber. 5:55-106. 1953. 44.9 K542
English summary.

57802 RIEDEL, W. Sterilmilch. Deut. Molk.-Ztg. 74:309. (Cont.) Mar.6,1953. 44.8 Su2

57803 RIEDEL, W. Sterilmilch. Deut. Molk.-Ztg. 74: 343-344. (Cont.) Mar.13,1953. 44.8 Su2

57804 RIEDEL, W. Sterilmilch. Deut. Molk.-Ztg. 74:374-375. (Cont.) Mar.20,1953. 44.8 Su2

57805 ROBINSON, G. M. The cheese-makers are trying pasteurization. Food Canada 13(3):17-18. Mar.1953. 389.8 F7323

57806 ROGICK, F. A. Studies on fermented milk consumed in São Paulo. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec.1952(spec.no.):41. 41.9 So13

57807 ROSS, R. H., BOYD, J. C., and ANDERSON, G. C. Essentials of producing good milk. Idaho. Agr. Col. Ext. B. 193,11 p. Mar.1953. 275.29 Id13
Milk sanitation.

57808 RUTERS, P. Die erwärmung der milch im plattenerhitzer. Molk.- u. Käserei-Ztg. 4:339-341. Mar.19,1953. 44.8 M736

57809 SCHRADER. Die milch von der kuh zur molkerei. Deut. Bauern Kal. 1953:88-89. 18 D4826
Sanitary procedures.

57810 SCHROODER, A. How do we clean milk utensils? (In Dutch.) Doelmatige Veehouderij 2:28-31. Feb.1953. 49 D67

57811 SEELEMANN, M., and others. Weitere versuche über die sicherheit der in Deutschland amtlich zugelassenen erhitzungsverfahren. Deut. Molk.-Ztg. 74:463-467. Apr.10,1953. 44.8 Su2
H. G. Rackow, K. Borger, A. Meyer, and H. Schroder, joint authors.

57812 SMITH, J. A. B. Revolution in the dairy. Farming News & No. Brit. Agr. 105(spec.no):33. Jan.1, 1953. 10 N82
Dried milk products and keeping properties.

57813 SMITH, V. N., PARKER, R. B., and ELLIKER, P. R. Importance of bacteriophage as a cause of slow starters. J. Milk & Food Technol. 15:218-219. Sept./Oct. 1952. 44.8 J824
For dairy products.

57814 STENSTROM, M. Konservering av smör [Canning of butter]. Svenska Inst. f. Konservforsk. P. 76,11 p., Ref. 1952. 389.9 Sv2

57815 SUBRAHMANYAN, V., and others. Casein from deteriorated skim milk powder. Mysore. Cent. Food Technol. Res. Inst. B. 2:96-99. Jan.1953. 389.9 M99
M. V. L. Rao, M. Swaminathan, and S. Kuppuswamy, joint authors.

57816 SWARTLING, P., and LINDGREN, B. Inverkan av arombakterier pa Herrgårdsost; ystningsförsök med definierade syrningskulturer. The influence of aroma bacteria on Herrgård cheese; cheesemaking experiments with defined starter cultures. Alnarps Lantbr.-, Mejeri- och Trädgårdsinst. Stat. Mejeriförsök. Meddel. 36,16 p. Ref. 1952. 44.9 AL6
English summary.

57817 TORRE, G, DALLA. Estimation of continuity and method of bacterial control of milk in factories. (In Italian.) Latte 27:81-82. Feb.1953. 44.8 L35

57818 TROUT, G. M. Dairy technology research in the United States from 1949 to 1952, inclusive. I. Commonwealth Bur. Dairy Sci. Dairy Sci. Abs. 15:244-267. Ref. Apr.1953. 241 Im76

57819 WAYWELL, J. Chocolate ice cream. Dairyman & Dairy Engin. 70:186-187. Apr.1953. 44.8 D1426

57820 WAYWELL, J. Tables and technical data for the ice cream manufacturer. Ice Cream Indus. Ybk. 1953/54:114-117. 389.8 Ic28

57821 WEED, E. What's new in flavoring materials for ice cream? South. Dairy Prod. J. 53(4):86-87,90. Apr.1953. 44.8 So83

57822 WINDLAN, H. M., and SHEURING, J. J. A study of the vanilla-sweetener relationship in ice cream. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(2):64-67. 1952. 389.9 In83

57823 ZURECK, F. Die notwendigkeit der pasteurisierung der konsummilch. Molk.-Ztg. 7:303-304. Mar. 19,1953. 44.8 M735

Statistics

57824 IRVINE, O. R. 1941—1951—1961; some observations based on the ninth decennial census. Canad. Dairy & Ice Cream J. 32(3):42,44,46,76. Mar.1953. 44.8 C162

57825 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition, and income from milk, 1951-52, by J. L. Wilson and H. M. Walters. Washington, 1953. 15 p. 1.942 D22F22
Chiefly statistics.

FEED AND FORAGE CROPS

57826 BALLANTYNE, J. G. Stacking baled hay. Power Farming 62(2):5,7,9,11. Feb.1953. 58.8 P87
Australia.

57827 BAY, O. Duck feed costs less with bulk storage plant. Feed Age 3(4):40-42. Apr.1953. 389.78 F327

57828 BOER, LJ. DE. Feed distribution probably disappears the 1st of May. (In Dutch.) Natl. Coop. Aanen Verkoopver. v. de Landbl. Cent. Bur. Meded. 37:35,37. Mar.1953. 12 N287
Netherlands.

57829 BOSS, S. J. Stocks of feed ingredients ample for current year. Coop. Poultryman 18(4):12. Apr.1953. 47.8 C782

57830 BROWNING, J. W. Today's feed—tomorrow's food. Feedstuffs 25(15):28,30-32,36,38. Apr.11,1953. 286.81 F322
Feed situation and outlook.

57831 BURRELL, J. P. Manufacturing nutrition. Feeds Illus. 4(4):13,50-51. Apr.1953. 389.78-F326
Feed formulas.

57832 CAIRNS, C. E. Animal proteins in feed business outlook. Grain & Feed J. Consolidated 110(6): 17-19. Mar.25,1953. 298.8 G762

57833 CARRARA, I. S. La industria del aceite y harina de pescado en la Argentina. Buenos Aires. U. Facul. de Agron. y Vet. P. 5,119 p. 1952. 9 B863P

57834 COLBORN, L. R. A compounder in Kenya. Agr. Merchant 33:80-81. (Cont.) Mar.1953. 10 Ag89
Compound feeding stuffs trade.

57835 COOLEY, M. L. Quality control of micro feed ingredients. Grain & Feed J. Consolidated 110(6):15-16. Mar.25,1953. 298.8 G762

57836 COOLEY, M. L. Quality control of micro ingredients in feeds. Feedstuffs 25(14):36-37,42-43. Apr. 4,1953. 286.81 F322

57837 DIAMOND, W. T. Five billion in '55. Flour & Feed 53(11):14,32. Apr.1953. 298.8 F66
The feed industry.

57838 FRANCA, L., and DIOGENES, A. Q. Manufacture of meat meal. (In Portuguese.) Rev. Mil. de Remonta e Vet. 12:85-86. Apr./Sept.1952. 41.8 R3219

57839 GALLUP, W. D. Feed analysis value and limitations. Grain & Feed J. Consolidated 110(7):31-34. Apr.8,1953. 298.8 G762

57840 GASNIER, A. Les analyses de comparaison dans le secteur des industries de l'alimentation animale. Indus. Agr. et Aliment. 70:127-128. Feb.1953. 383 As7
English summary.

57841 GILBERT, R. W., and OLNEY, C. E. Inspection of feeds. R. I. Agr. Expt. Sta. Feed C.,79 p. Aug.1952. 100 R34S

57842 GRADY, J. E., and WILLIAMS, W. L. Determination of aureomycin in feeds by the pad-plate method. Antibiotics & Chemother. 3:158-164. Feb.1953. 396.8 An8

57843 HIRSJARVI, V. P., and ANDERSEN, L. On the determination of crude fibre. (In Finnish.) Suomen Kemistilehti .A 25:104-110. 1952. 385 Su7
English summary.
Cattle feed.

57844 HORE, F. R., and AYERS, H. D. Forage crop moisture tester. Ontario. Dept. Agr. C. 114,8 p. Jan.1952. 7 On8Ci

57845 LANG, B., and BALAZS, T. The mycelium grown during penicillin production as a food supply. (In Hungarian.) Magyar Allat. Lapja 8:40-42. Ref. Feb. 1953. 41.8 V644

57846 MORROW, J. A. Fodder conservation; grain storage on the farm. Victoria. Dept. Agr. J. 51:1-9. Jan. 1953. 23 V66J

57847 OLSON, R. O. Economics of feed utilization with special emphasis on risk and uncertainty. (Abs.) Iowa State Col. J. Sci. 27:235-236. Jan.1953. 470 Io9

57848 PREBLUDA, H. J. The feed industry outlook for 1953. Feeds Illus. 4(1):38-39. Jan.1953. 389.78 F326

57849 RICHARDSON, L. R. Why does feed spoil? Feed Age 3(4):25-27. Apr.1953. 389.78 F327

57850 RIEDL, F. Warum immer wieder futternot? Landwirt. Wchnbl. 143:441,445. Apr.4,1953. 18 L2338
Germany.

57851 ROSAGER, H. K. Guarantee of fat content of feed mixtures for cattle—by whom? (In Danish.) Jydsk Landbr. 35:195-196. Mar.19,1953. 11 J99

57852 SANFORD, P. E. Present status of medicated feeds. Grain & Feed J. Consolidated 110(7):36-40. Apr. 8,1953. 298.8 G762

57853 U. S. BUR. OF AGRICULTURAL ECONOMICS. Feed statistics including wheat, rye, rice. U. S. D. A. Statis. B. 121,55 p. Jan.1953. 1 Ag84St

57854 U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. The Drought Emergency Hay Program. Washington?1952. 9 p. 1.91 A2D83

57855 WIJKSTROM, T., LAURENT, G., and ZETTERBERG, G. Feed investigations. (In Swedish.) Sweden. Stat. Lantbrkem. Kontanst. Meddel. 14:7-13. 1953. 385 St6

FIBERS AND TEXTILES

57856 ADAMS, F. A. Synthetics challenge natural growths. Cotton Trade. J. Internatl. Ed. 20:182,184,199. 1952/53. 72.8 C3214I

57857 AMERICAN COTTON CONGRESS. Proceedings, thirteenth, held at Houston, Texas, June 19, 20, and 21, 1952. Lubbock,1952. 101 p. 72.9 C825

57858 ANDRIA, N. DE. Turkey; excessive rainfall and reduced acreage have cut into production. Cotton Trade. J. Internatl. Ed. 20:104. 1952/53. 72.8 C3214I

57859 ARMAS Y LECUONA, A. DE. El abaratamiento de la vida en materia textil algodonera; la primera materia y su precio. II. Textil (ser.2)110/111:7-8. Mar.1953. 304.8 T3137

57860 BAILEY, T. L. W. "Doughnut" cotton fibers may cause poor spinning. (Sum.) Textile World 103(4): 96. Apr.1953. 304.8 T315

57861 BAKEWELL, R. D. Synthetic fibres—the challenge to wool. Past. Rev. 63:115-116. Feb.16,1953. 23 Au75

57862 BARAT, T. P. India's cotton mill industry. Output 7:33-37. 1953. 286.8 Ou8

57863 BENNETT, C. A. Ginners facing new cycle. (Sum.) Cotton Gin & Oil Mill Press 54(7):22. Mar.28, 1953. 304.8 C822

57864 BERRER, M. Friend or foe; cotton and synthetics—are they true competitors? Cotton Trade. J. Internatl. Ed. 20:142-144,191. 1952/53. 72.8 C3214I

57865 BLACKLEY, S. R. The "guinea-pig" scheme; organised wool marketing. Farming News & No. Brit. Agr. 105(spec.no):38-39. Jan.1,1953. 10 N82

57866 BLAVIER, A. Les mélanges laine-fibranne. Rayonne et Fibres Synthétiques 9(2):9-13,17,19,21-24. Feb.15,1953. 304.8 R214

57867 BOICOURT, D. F. More facts about baler twine. 1. Impl. & Tractor 68(7):56-68. Mar.28,1953. 58.8 W41

57868 BOZZETTI, M. Le fibre tessili artificiali [The artificial textile fibers]. Sci. e Lav. 8(2),63 p. Ref. Feb.1953. 475 Sci27
Includes rayon and the protein fibers.

57869 BRANDT, C. D. Spinning worsteds and blends on the American system. Canad. Textile Seminar. Papers 3(sup.):51-52. 1952. 304.9 C16

57870 BROOKS, R. The raw cotton trade. Textile Mercury & Argus, Mar.1953(sup.):29,52. 304.8 T318

57871 BROWN, H. M. Opening and cleaning cotton by means of electrostatic electricity. (Abs.) Textile B. 79(3):63. Mar.1953. 304.8 So82

57872 BROWN. H. M. Short gauge lengths can unfairly rate fiber strengths. (Sum.) Textile World 103 (4):100-101. Apr.1953. 304.8 T315
Cotton.

57873 BURNS, R. H. Marketing problems rate high in wool; changes up to growers. Wool Sack 20(2):3-4. Apr.1953. 280.28 W88

57874 CALAN, P. DE. France's orphan industry. Cotton Trade. J. Internatl. Ed. 20:118-119. 1952/53. 72.8 C3214I
Cotton.

57875 CANADIAN TEXTILE SEMINAR, 3, QUEEN'S UNIVERSITY, KINGSTON, ONTARIO, 1952. Supplement to papers. Cornwall,Ont.,Textile Tech. Fed. Canada, 1952. 77 p. 304.9 C16

57876 CARBON-FERRIERE, J. DE. Les projets de développement de la production des fibres textiles dans les territoires de l'Union Française. Soc. Belge d'Études et d'Expansion. B. Bimes. 154:78-81. Jan./Feb. 1953. 280.8 So17

57877 CARDEW, J. Red China mounts cotton ladder; from an importer of cotton to an exporter in three short years. Cotton Trade. J. Internatl. Ed. 20:178-179,228. 1952/53. 72.8 C3214I

57878 COMMUNAL, R., and ADROVER, C. A propos de l'épidermicule du brin de laine. Acad. Vét. de France. B. 26:87-95. Ref. Jan.1953. 41.9 R24

57879 COMPTON, J. How storage and high gin-drying temperatures affect new-crop cotton. (Sum.) Textile World 103(4):97,260,262. Apr.1953. 304.8 T315

57880 COMPTON, J., and HART, W. J. A study of soiling and soil retention in textile fibers. Textile Res. J. 23:158-163. Mar.1953. 304.8 T293

57881 CONRAD, C. M., and RUSCA, R. A. Viscometric studies of cellulose in cotton in relation to mechanical processing. Textile Res. J. 23:168-174. Ref. Mar.1953. 304.8 T293

57882 CORLEY, J. R. New formula for roving twist includes fineness factor. (Sum.) Textile World 103(4):99. Apr.1953. 304.8 T315
Cotton.

57883 CORLEY, J. R. A new roving twist formula. (Abs.) Textile B. 79(3):62. Mar.1953. 304.8 So82
Cotton.

57884 COTTON Research Clinic studies fiber behavior. Textile World 103(4):96-101,258,260,262. Apr. 1953. 304.8 T315
Report of sessions on fiber testing of the Cotton Research Clinic held in Savannah, Georgia, sponsored by the National Cotton Council.

57885 COUGHLIN, W. E. Performance and potential of man-made fibres. Washington,U. S. Ext. Serv.,1953. 6 p. 1.913 H4P41
Talk, Oct. 21, 1952.

57886 CRANK, J. A theoretical investigation of cap and ring spinning systems. Textile Res. J. 23:266-276. Apr.1953. 304.8 T293

57887 DAKIN, G. The Shirley opener. (Abs.) Textile B. 79(3):60,62. Mar.1953. 304.8 So82

57888 D'ARCY, R. A. Futures markets in wool. Austral. Bur. Agr. Q. Rev. Agr. Econ. 6:15-18. Jan. 1953. 281.9 Au73

57889 DAY, D. D. Modern ginning. Cotton Gin & Oil Mill Press 54(7):24,38-39. Mar.28,1953. 304.8 C822

57890 DICKINS, D., and DUDLEY, S. S. The use of cotton in housefurnishings. Miss. Agr. Expt. Sta. Tech. B. 34,52 p. Oct.1952. 100 M69
Textile furnishings.

57891 DU VIGIER, J. T. Production rises in overseas France. Cotton Trade. J. Internatl. Ed. 20:116. 1952/53. 72.8 C3214I
Cotton situation.

57892 FIORI, L. A. Cotton fiber properties—a key to processing difficulties. Amer. Cotton Cong. Proc. 13:38-45. 1952. 72.9 C825

57893 FLEMING, L. The world cotton situation. Amer. Cotton Cong. Proc. 13:59-69. 1952. 72.9 C825

57894 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Carpet wool. Food & Agr. Organ. United Nations. Commod. Rpt. Fibers 4,33 p. Nov.1952. 281.3739 F73

57895 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Per caput fiber consumption levels. Food & Agr. Organ. United Nations. FAO Commod Ser. B. 21(sup.1),14 p. Dec.1952. 389.9 F735Cs

57896 FRANÇOIS, P. Government intervention has ruined integrity of cotton trade. Cotton Trade. J. Internatl. Ed. 20:169-170. 1952/53. 72.8 C3214I
Belgium.

57897 FRICK, L. W. California: new cotton stronghold, Cotton Trade. J. Internatl. Ed. 20:208-209. 1952/53. 72.8 C3214I

57898 GEISSLER, G. F. Cotton in the agricultural production program. Amer. Cotton Cong. Proc. 13:23-30. 1952. 72.9 C825

57899 GERDES, F. L. Quality evaluations and improvements basic to providing users of U.S. cotton with a better product. Canad. Textile Seminar. Papers 3(sup.): 1-5. 1952. 304.9 C16

57900 GOLDTHWAIT, C. F. Cotton conforming bandage adopted by armed forces. U. S. Agr. Res. Admin. Res. Achvt. Sheet 160(C),2 p. Mar.1953. 1.98 R31

57901 GOODMAN, W. H. The marketing of raw cotton. Textile Wk. 51:544,546,548,622,624,627-628. (Concl.) Feb.27-Mar.6,1953. 304.8 T3127
Includes discussion.

57902 GT. BRIT. COMMONWEALTH ECONOMIC COMMITTEE. Industrial fibres; a summary. London, 1953. 152 p. 280.39 G794C
Statistics.

57903 HALL, A. J. A handbook of textile finishing. London, Natl. Trade Press,1952. 244 p. 304 H14H
Contains a chapter on textile fibers.

57904 HAMBURGER, W. J. Some aspects of the engineering design of textiles. (Abs.) Textile B. 79(3): 63. Mar.1953. 304.8 So82
Properties and form of fibers.

57905 HART, W. J., and COMPTON, J. Primary deposition of grease-free carbon black soil on various types of textile fibers. Textile Res. J. 23:164-168. Mar. 1953. 304.8 T293

57906 HAYNES, W. Cellulose, the chemical that grows. Garden City,N. Y.,Doubleday,1953. 386 p. (The American Industries Series) 387.1 H332
In fibers and wood.

57907 HELMER. Weltjutemarkt. Kartoffelwirtschaft 6:125. Mar.6,1953. 286.83 K14

57908 HENNEPE, A. G. TER. Modifications de structure dans l'industrie linière. (In Dutch.) Econ.-Statis. Ber. 38:190-191. Mar.11,1953. 280.8 Ec722
French summary, p. 184.
Netherlands.

57909 HENON R. Contribution statistique aux méthodes de classification des finesses de la laine. Inst. Textile de France. B. 37:63-81. Feb.1953. 304.8 T3145
English summary.

57910 HEYN, A. N. J. The identification of synthetic fibers by their refractive indices and birefringence. Textile Res. J. 23:246-251. Apr.1953. 304.8 T293

57911 HORIO, M., and KONDO, T. Theory and morphology of crimped rayon staple. Textile Res. J. 23: 137-151. Mar.1953. 304.8 T293

57912 HUNTER, W. A. Opening and blending fibres. Textile Wk. 51:610,612,614. Mar.6,1953. 304.8 T3127

57913 HUNTER, W. A. Opening and blending of cotton and other fibres. Textile Mfr. 79(939):121-122. Mar. 1953. 304.8 T3126

57914 HURST, W. M., and others. The fiber flax industry in Oregon; its history, present status, and future possibilities. Oreg. Agr. Expt. Sta. B. 531,20 p. Feb. 1953. 100 Or3
E. G. Nelson, J. E. Harmond, L. M. Klein, and D. W. Fishler, joint authors.

57915 INSTITUT DE RECHERCHES DU COTON ET DE TEXTILES EXOTIQUE. Activité, année 1951. Paris,1952. 126 p. 72.9 P21

57916 JACKENDOFF, R. Changes in distribution of wool supply. Canad. Textile J. 70(8):43,45. Apr.10,1953. 304.8 C18

57917 JOHNSON Y. J. Cotton plays a vital role in the economic life of Japan. Cotton Digest 25(30):17,44-45. Apr.4,1953. 286.82 C822

57918 JOHNSTON, A. Processing Wyoming grease wools. Natl. Wool Grower 43(4):16-17. Apr.1953. 45.8 N21N

57919 JONES, R. M., and CURLEY, R. S. The new concept in opening and picking. (Abs.) Textile B. 79(3): 58,60. Mar.1953. 304.8 So82

57920 JONES, R. M., and CURLEY, R. S. New opening and picking concepts. Textile Age 17(4):28. Apr. 1953. 304.8 T3132
Cotton.

57921 JUTE, canvas and cordage year book & directory, 15th, 1951-52. London,1952. 225 p. 73.38 J98

57922 KARASANANDA, A. Jute. (In Siamese.) Kasikorn 25:481-485. Nov.1952. 22.5 K15
English summary.
The industry in Pakistan.

57923 KARRHOLM, E. M., and SCHRODER, B. Bending modulus of fibers measured with the resonance frequency method. Textile Res. J. 23:207-224. Ref. Apr.1953. 304.8 T293

57924 KING, W. C. The role of extension in cotton production of Pakistan. Pakistan Cotton B. 1(5):15-22. Jan.1953. 72.8 P17

57925 KITAO, K. Iron and manganese in rayon pulp. (In Japanese.) Wood Res. 8:1-12. Mar.1952. 99.82 W8524
English summary.

57926 LASATER, J. A., NIMER, E. L., and EYRING, H. Mechanical properties of cotton fibers. I. Relaxation in air and water. Textile Res. J. 23:237-242. Apr.1953. 304.8 T293

57927 LESTER, O. A., and STAFFORD, W. L. The importance of clean linters to bleachers. Cotton Gin & Oil Mill Press 54(8):14,16. Apr.11,1953. 304.8 C822

57928 LINDBERG, J. Relationship between various surface properties of wool fibers. II. Frictional properties. Textile Res. J. 23:225-236. Ref. Apr.1953. 304.8 T293

57929 LIPSON, M. Formation of polymers in wool. Roy. Austral. Chem. Inst. Proc. 20:1-3. Jan.1953. 385 Au72

57930 LOEB, L., and WELO, L. A. Magnetic anisotropy of cellulosic materials. Textile Res. J. 23:251-257. Ref. Apr.1953. 304.8 T293
Fibers.

57931 LOSLOZ, P. Hungarian cotton for Hungarian mills? Balkan nation seeks raw cotton independence. Cotton Trade. J. Internatl. Ed. 20:177,192. 1952/53. 72.8 C3214I

57932 MADSEN, E. O. The family flax. (In Danish.) Lin 7:11-15. Ref. Jan./Feb.1953. 73.18 L63
English summary.
Terminology.

57933 MAUSSIRE, A. Contribution à l'étude des crins du cheval et de leur utilisation. Paris,Foulon,1952. 58 p. Ref. 444 M442
Thèse - École Nâtionale Vétérinaire, Alfort.

57934 MEHTA, J. J. Viscose rayon. Output 7:29-31. 1953. 286.8 Ou8

57935 MERCER, E. H., and MEYER, F. H. The x-ray pattern of sericin and silk wax from Bombyx mori. Textile Res. J. 23:243-246. Ref. Apr.1953. 304.8 T293

57936 MILLER, G. W. World cotton situation. Pakistan Cotton B. 1(2):16-20. Oct.1952. 72.8 P17

57937 MILLER, G. W. World cottonseed situation. Pakistan Cotton B. 1(5):24-26. Jan.1953. 72.8 P17

57938 MILLER, G. W. World cotton situation. Pakistan Cotton B. 1(6):9-14. Feb.1953. 72.8 P17

57939 MINNEMAN, P. G. Drouth and insects hit Mexico; 1952 crop is drastically reduced by adverse conditions. Cotton Trade. J. Internatl. Ed. 20:41-44. 1952/53. 72.8 C3214I

57940 MITRA, M. K. The role of research in the jute industry. Indian Textile J. 63:310-313,321. Feb. 1953. 304.8 In2

57941 MONCRIEFF, R. W. The chemical structure of fibres. Fibres 14:86-89. Mar.1953. 304.8 F16

57942 NADKARNY, D. S. India must plan for cotton prosperity; increased production is key. Cotton Trade. J. Internatl. Ed. 20:79,186. 1952/53. 72.8 C3214I

57943 NANJUNDAYYA, C. India experiments to improve grade and yield. Cotton Trade. J. Internatl. Ed. 20:75-77,189. 1952/53. 72.8 C3214I
Fiber research.

57944 NANJUNDAYYA, C. Variation in weight per unit length along the length of a cotton fibre and its effect on the determination of other fibre properties. Indian Cotton Growing Rev. 6:171-183. Ref. Oct.1952. 72.8 In23

57945 NEALE, P. E., and MCFADDEN, W. D. A new method for determining crimp quality of fine wool for more accurate grading of fine wool clips. N. Mex. Agr. Expt. Sta. Press B. 1080,6 p. Mar.1953. 100 N465

57946 NEWELL, W. A. Mill experience with speeded-up carding. (Abs.) Textile B. 79(3):64. Mar.1953. 304.8 So82
Cotton.

57947 THE 1953 Cotton Research Clinic. Textile B. 79(3):57-58,60,62-64,67. Mar.1953. 304.8 So82
Abstracts of 15 papers given before the Cotton Research Clinic held in Savannah, Georgia, sponsored by the National Cotton Council.

57948 NORWICK, B. The rapid identification of fibers by the Christiansen effect. Textile Res. J. 23: 259-261. Ref. Apr.1953. 304.8 T293

57949 O'BRIEN, G. The co-operative marketing of fleece wool in Canada. N. Y. Agr. Col. Farm Econ. 189: 4968-4949. Mar.1953. 280.8 C812

57950 OCAMPO, J. A. Substituto de la fibra del yute. Peru. Dir. Gen. de Com. Inform. Com. 3(36):10-11. Dec.1952. 286.9 P432

57951 O'DONNELL, I. J., and SWAN, J. M. Apparent degradation of wool by diazomethane solutions. Nature [London] 171:571. Ref. Mar.28,1953. 472 N21

57952 OLIVER, J. G. A rayon trade survey. Textile Mercury & Argus, Mar.1953(sup.):37-38. 304.8 T318

57953 PACHECO E CHAVES, J. Queen Coffee takes a king; government interest grows in vital cotton crop in Brazil. Cotton Trade. J. Internatl. Ed. 20:46,52. 1952/53. 72.8 C3214I

57954 PAYNE, T. L. Is cotton outdated? What's New Crops & Soils 5(7):29. Apr./May 1953. 6 W55

57955 PEDROZA, S. Brazil's new treasury; Moco cotton is in world wide demand. Cotton Trade. J. Internatl. Ed. 20:50-51. 1952/53. 72.8 C3214I

57956 PFIEFFENBERGER, G. W. Pilot-plant tests show zero gauge length best. (Sum.) Textile World 103 (4):101. Apr.1953. 304.8 T315
Cotton.

57957 POPE, A. L. Can our wool hold its own? Wis. Coop. Wool Growers News 18(9):4-5. Apr.1953. 280.28 W882

57958 RAFIE, E. Syria learns from experience. Cotton Trade. J. Internatl. Ed. 20:107,216-217. 1952/53. 72.8 C3214I

57959 RAO, C. J. Grow more cotton. Madras Agr. J. 40:28-31. Jan.1953. 22 M262

57960 RAY, D. C. Agaves in India. Jute B. 15:384-387. Dec.1952. 73.38 In2

57961 REGNERY, W. Comments on the results of the 17-mill test on ginning procedures. Amer. Cotton Cong. Proc. 13:46-58. 1952. 72.9 C825

57962 REMUSSI, C. El enriado del lino. Bolsa de Com. Rosario. Rev. 41(988):9-11. Mar.15,1953. 287 R71

57963 RIFAAT, M. A. Nightmare in Egypt; undisguised Government intervention has stifled Egypt's cotton market. Cotton Trade. J. Internatl. Ed. 20:94-95,98,195. 1952/53. 72.8 C3214I

57964 ROCHES, E. A. L. Pakistan seeks its place; a new nation stands on the cotton threshold. Cotton Trade. J. Internatl. Ed. 20:85-88,193. 1952/53. 72.8 C3214I

57965 RODRIGUES, F. M. DE. C. On production and trade of Portuguese cotton. (In Portuguese.) Agros [Lisboa] 35:321-343. Dec.1952. 15.5 Ag82

57966 RUSCA, R. A. Progress report on cleaning research at S.R.R.L. [Southern Regional Research Laboratory]. (Abs.) Textile B. 79(3):67. Mar.1953. 304.8 So82
Cotton.

57967 SAN EUFRASIO, J. DE. España y su cosecha algodonera. Textil (ser.2)110/111:9. Mar.1953. 304.8 T3137

57968 SANTOS, M. DE LOS. La cordeleria moderna. Bolsa de Com. Rosario. Rev. 41(988):7-8. Mar.15,1953. 287 R71

57969 SHAW, B. T. Research horizons for cotton. Cotton Gin & Oil Mill Press 54(7):18,52-54. Mar.28, 1953. 304.8 C822

57970 SHAW, T. M., and WINDLE, J. J. Dielectric dispersion of polar polymers at microwave frequencies. (Abs.) Rubber Age 72:764. Mar.1953. 305.8 R82
Wool and mohair.

57971 SISSON, W. A., and MOREHEAD, F. F. The skin effect in crimped rayon. Textile Res. J. 23:152-157. Mar.1953. 304.8 T293

57972 SMITH, C. C. The future of cotton in the Deep South. Cotton Gin & Oil Mill Press 54(8):18,20,50. Apr. 11,1953. 304.8 C822

57973 SMITH, E. D. Iran; programs point to brighter future. Cotton Trade. J. Internatl. Ed. 20:105-106. 1952/53. 72.8 C3214I

57974 STOLK, C. F. El problema de la industria del algodón. Cám. de Com. de Caracas. B. 37:13896-13903. Feb.1953. 287 C173

57975 STRANG, P. M. Some fundamentals in cotton opening and picking research. Whitin Rev. 20(2):37-51. Mar./Apr.1953. 304.8 W58

57976 TEETER, H. M. Some industrial outlets for seed flax. Paint Indus. Mag. 68(3):11-13. Mar.1953. 306.8 D84

57977 TRILLAT, J. J. Applications des rayons X et de la microscopie électronique à l'étude des matériaux textiles. Inst. Textile de France. B. 37:47-62. Feb.1953. 304.8 T3145
English summary.
Includes fibers.

57978 U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual fiber flax summary, 1952 crop. Portland,Oreg., 1953. 1 p. 1.941 H8F61

57979 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Fabric damage caused by contact with two dissimilar metals, by V. I. McLendon. Washington,1952. 1 p. 1.982 A2F112

57980 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Textile books and periodicals; a selected list of popular and technical references for the general reader, student, and homemaker. Rev. Washington,1953. 4 p. 1.982 T2T31

57981 U. S. COMMODITY EXCHANGE AUTHORITY. Survey of cotton "on call" sales, October 31, 1952. Washington,1952. 2 p. 1.945 Su7

57982 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A smaller cotton crop needed in '53, by J. H. Davis and J. Towers. Washington,Mar.14,1953. 3 p. 1.914 R2R11

57983 U. S. EXTENSION SERV. Analysis: if a 15- to 16-million-bale cotton crop is produced in 1953. Washington,1953. 2 p. 1.913 A2An13

57984 U. S. PRODUCTION AND MARKETING ADMIN. The classification of cotton. Washington,1952? 2 p. 1.956 C82C56

57985 U. S. PRODUCTION AND MARKETING ADMIN. An evaluation of various ratios for classification of cotton fibers for maturity, by F. Carpenter. Washington,1953. 11 p. 1.956 C82Ev12

57986 U. S. PRODUCTION AND MARKETING ADMIN. Prices of cotton cloth and raw cotton and mill margins for certain constructions of unfinished cloth, 1925-52. Rev. Washington,1953. 42 p. 1.9 Ec733Pco

57987 U. S. PRODUCTION AND MARKETING ADMIN. Shrinkage of wool as determined by core test and scouring plant and combing yields. Washington,1953. 10 p. 1.956 L75Sh8

57988 U. S. PRODUCTION AND MARKETING ADMIN. COTTON BR. List of available publications [of the] Research and Testing Division. Washington,1952. 5 p. 1.956 C82L69

57989 VAKIL, C. N. A history woven in cotton. Cotton Trade. J. Internatl. Ed. 20:68-69. 1952/53. 72.8 C3214I
The cotton industry in India.

57990 VALLE FERNANDEZ, R. DEL. Panorama de las fibras textiles en el Africa Ecuatorial Francesa; el cultivo del algodón. Textil (ser.2)110/111:24-26. Mar.1953. 304.8 T3137

57991 VANDERGRIFF, A. L. Lint cleaning by air. (Abs.) Textile B. 79(3):62-63. Mar.1953. 304.8 So82

57992 VARELA MARTINEZ, R. Producción mundial de algodón en 1952. Agr. Trop. 9(3):35-40. Mar.1953. 26 Ag8

57993 WAKEHAM, H. How cotton-fiber properties affect yarn strength. (Sum.) Textile World 103(4):98. Apr.1953. 304.8 T315

57994 WAKELIN, J. H., EVANS, T. F., and BURTE, H. M. Problems in the variability of wool encountered in worsted processing. Canad. Textile Seminar. Papers 3(sup.):75-77. 1952. 304.9 C16

57995 WARD, J. M., HESSLER, L. E., and PAULSON, W. E. Fiber characteristics and spinning performance of mechanically-stripped cotton on the High Plains. Tex. Agr. Expt. Sta. B. 757,20 p. Feb.1953. 100 T31S

57996 WATERMAN, E. M. Recovery in wool. Textile Mercury & Argus, Mar.1953(sup.):43-44. 304.8 T318
The industry.

57997 WEATHERBURN, A. S. The sorption of surface-active agents by textile fibres. Canad. Textile Seminar. Papers 3(sup.):24-28. 1952. 304.9 C16

57998 WHINFIELD, J. R. Textile fibres: variations on some familiar themes. Chem. & Indus. 11:226-229. Mar.14,1953. 382 M31C
History and research.

57999 WHITAKER, F. H. Spain plans expansion: textile mills intend to use half million bales a year. Cotton Trade. J. Internatl. Ed. 20:173-174. 1952/53. 72.8 C3214I

58000 WHITWELL, J. C., and SCHWENKER, R. F. Degradation of cellulose during mechanical processing. III. A comparison of the evaluation by viscometric methods. Textile Res. J. 23:175-185. Ref. Mar.1953. 304.8 T293
Cotton.

58001 WILLOUGHBY, R. W. Faith, hope and parity; prayer of the U. S. wool industry. Natl. Wool Grower 43(4):3-4. Apr.1953. 45.8 N21N

58002 WILSON, J. F., and REGAN, W. Device for lifting bag of wool in sacking stand. Natl. Wool Grower 43(4):14-15. Apr.1953. 45.8 N21N

58003 WOHL, P. USSR: the Soviet sets high goals. Cotton Trade. J. Internatl. Ed. 20:175,220-222. 1952/53. 72.8 C3214I
The cotton industry.

58004 WOOTEN, B. H. Cotton and the South. Amer. Cotton Cong. Proc. 13:11-15. 1952. 72.9 C825

FRUITS, VEGETABLES, AND NUTS

58005 ARIES, P. L'Institut des Fruits et Agrumes Coloniaux (I-F-A-C-). Fruits et Leurs Dérivés 22:17-18. 1953. 389.68 J98

58006 ASHTON, W. A. California's dried vine fruit industry. Wesfarmers News 1(2):3-4. Jan.29,1953. 23 W51
Grape industry.

58007 BEMIS, K. P. Too many potatoes, how soon? Fruit & Veg. Rev. 15:12-13,18-19. Apr.1953. 80 C1224

58008 BENSON, S. D. One million barrels; it could happen this year! Cranberry World 6(12):8. Apr.1953. 280.28 C85

58009 BOLLN, O. Das "kartoffel-denkmal." Kartoffelwirtschaft 6:85-86. Feb.27,1953. 286.83 K14
Touches upon the history of potatoes.

58010 BOUTEN, L. M. Asparagus problems; domestic consumption amounts to only a third of the total production. (In Dutch.) Boer en Tuinder 7(320):6. Apr.4,1953. 12 B632
Netherlands.

58011 CADILLAT. A propos de la production fruitière de nos Territoires d'Outre-Mer. Fruits et Leurs Dérivés 22:9-12. 1953. 389.68 J98

58012 COMPAÑIA BANANERA DE COSTA RICA. Datos 1952. San José,1952. 17 p. 93.42 C73

58013 DEKKER, P. In Valencia in the midst of oranges. (In Dutch.) Floralia 72:404-407. Dec.1952. 80 F6613

58014 DOMINICK, B. A. Observations on apple movement and outlook for 1953. N. Y. State Hort. Soc. Proc. 98:196-201. 1953. 81 N484
New York.

58015 DORSEY, M. J. An alalysis of the national peach situation. Mich. State Hort. Soc. Proc. 82:82-85. 1952,pub.1953. 81 M58

58016 EVREINOFF, V. A. La production fruitière. Terre d'Oc 35:41-46. Feb.1953. 14 Ar5

58017 FORTUNA, D. DE P. A fortune in babassu nuts lost in the jungles of the North. (In Portuguese.) Orientação Econ. e Financ. 10(111):53-54. Dec.1952. 280.8 Or42
The industry in Brazil.

58018 FRANÇOIS, J. Le sirop de grenadine. Fruits et Leurs Dérivés 22:34. 1953. 389.68 J98

58019 FRASER, S. The International Apple Association. Mich. State Hort. Soc. Proc. 82:85-91. 1952,pub. 1953. 81 M58

58020 GASSNER, J. K. Eindrücke aus Gottes eigenem land. Obst u. Gemüse 5:224-225. Mar.5,1953. 286.83 Ob72
Fruit and vegetable industry in the United States.

58021 HAGMAN, T. J. Broccoli bonanza supplements Snohomish dairying. Wash. Farmer 78:175,207. Mar.5, 1953. 6 R151
The industry in Snohomish County.

58022 HEWES, L. Tontitown: Ozark vineyard center. Econ. Geog. 29:125-143. Apr.1953. 278.8 Ec7
The grape industry.

58023 KERLIKOWSKI, E., and others. The future of the Michigan peach industry. Mich. State Hort. Soc. Proc. 82:20-28. 1952,pub.1953. 81 M58
W. Braman, M. E. Smith, R. Floate, and W. E. Hayes, joint authors.
Panel discussion.

58024 KOULAS, T. G. Le raisin sec de Corinthe, sa position dans l'économie nationale grecque et sur les marchés internationaux. Soc. Belge d'Études et d'Expansion. B. Bimes. 154:85-89. Jan./Feb.1953. 280.8 So17

58025 KUNZ, H. Westeuropäische kartoffelwirtschaft. Kartoffelwirtschaft 6:107,109-110,112. Mar.6,1953. 286.83 K14

58026 LETOUZÉ, J. Des oasis du désert au port de Marseille. Fruits et Leurs Dérivés 22:35. 1953. 389.68 J98
Date industry in North Africa.

58027 MALLOCH, P. The industry in Turkey and Greece. Austral. Dried Fruits News 27(4):41-45. Oct./Dec.1952. 286.83 Au72
Currants and raisins.

58028 MINGES, P. A. A view of the California fruit and vegetable industry. Mich. State Hort. Soc. Proc. 82: 49-52. 1952,pub.1953. 81 M58

58029 MURNEEK, A. E. Some commercial aspects of peach culture in the United States. (In Italian.) Riv. della Ortoflorofrutticolt. Ital. 37:38-41. Jan./Feb.1953. 86 R22

58030 OLIVA, A. La potencial riqueza frutícola de California. Vinos, Viñas y Frutas 48:343. Feb.1953. 9 Ag89

58031 OLIVA, A. La producción frutícola de California. Vinos, Viñas y Frutas 48:315-316. Jan.1953. 9 Ag89

58032 PAUL, J. Quality cheers Ventura growers. West. Grower & Shipper 24(5):16-18. Apr.1953. 280.38 W52
Lettuce outlook.

58033 PLATON, P. Madagascar, paradis des amateurs de fruits. Fruits et Leurs Dérivés 22:13-16. 1953. 389.68 J98

58034 PURSLEY, C. Celery tried by Yuma grower. West. Grower & Shipper 24(5):16,20. Apr.1953. 280.38 W52
Vegetable situation and outlook.

58035 RIVEROS, J. E. La producción granjera y la exportación de frutas. Vinos, Viñas y Frutas 48:316-318. Jan.1953. 9 Ag89
Argentina.

58036 RUEDA FERRER, F. La producción y venta de agrios. Siembra [Madrid] 8(12):10-11. Dec.1952. 15 Si1

58037 SANDERCOCK, W. J. Fruit growing in the Mary Valley. Queensland Fruit & Veg. News 3:175. Feb. 5,1953. 280.38 Q3

58038 SECRETAIN, F. Les legumes français. Obst u. Gemüse 5:153-154. Feb.25,1953. 286.83 Ob72
The industry.

58039 SHEWFELT, A. L. Pectins, natural and industrial. (Sum.) Canad. Food Indus. 25(3):38-39. Mar. 1953. 286.83 C166

58040 SHINN, W. R. Future of Oregon cherry industry. Oreg. State Hort. Soc. Proc. 67:83-86. 1952. 81 Or32

58041 SUBRAHMANYAN, V. Industrial crops as food during times of emergency. Mysore. Cent. Food Technol. Res. Inst. B. 2:7-9. Sept./Oct.1952. 389.9 M99
Sweetpotatoes and cassava.

58042 TULLEY, C. R. Looking ahead in vegetable crop production. Oreg. State Hort. Soc. Proc. 67:123-128. 1952. 81 Or32

58043 UNION OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Deciduous Fruit Board for the accounting year 1st August, 1949 to 31st July, 1950 and the balance sheet as at 31st July, 1950. Pretoria,1952. 47 p. 286.3939 So83

58044 U. S. DEPT. OF AGRICULTURE. 1953 production goals program; potatoes and sweet potatoes. Washington,1953. 12 p. 1.90 A2P9435

58045 U. S. PRODUCTION AND MARKETING ADMIN. Raisins; background statement on liberal supply. Washington,1953. 3 p. 1.956 A2R132

58046 VANICEK, K. H. Obstbau in der landwirtschaftlichen produktionsgenossenschaft. Deut. Landwirt. 4:63-68. Feb.1953. 18 D4822
Russian Zone.

58047 WARNOCK, J. B. Millions are staked in Scotland's market gardens and orchards: an industry without guaranteed prices and assured markets. Farming News & No. Brit. Agr. 105(spec.no):40-41. Jan.1,1953. 10 N82

58048 WHARTON, M. F. The vegetable situation. Crop Comments 6(6):1-2. Apr.1953. 57.8 C88

58049 WHITE, W. C. The bouncing cranberry. Cranberry World 6(12):13-14. Apr.1953. 280.28 C85

58050 WHITLOCK, R. The land first. XI. Britain's market gardens. Field 201:541-542. Apr.2,1953. 10 F45
Fruit and vegetable industry and distribution.

58051 ZENTRALVERBAND DES DEUTSCHEN KARTOFFELHANDELS E. V. Internationaler kartoffeltag in Hamburg 6.-7. März 1953. Kartoffelwirtschaft 6:95-133. Mar.6,1953. 286.83 K14

58052 ZORN, S. Der obst- und gemüsebau in Frankreich. Obst u. Gemüse 5:151-152. Feb.25,1953. 286.83 Ob72

Analysis and Composition

58053 BARNETT, A. J. G., DUNCAN, R. E. B., and SMITH, D. K. The volatile fatty acids in fresh and in fermented kale. Biochem. J. 53:xxx. Mar.1953. 382 B52

58054 BELAVADY, B., and BANERJEE, S. Studies on the effect of germination on the phosphorus values of some common Indian pulses. Food Res. 18:223-226. Ref. Mar./Apr.1953. 389.8 F7322

58055 CASARES, R., and LOPEZ HERRERA, C. Estudio bromatológico de la pasa moscatel de Malaga. An. de Bromatologia 4:411-419. Ref. 1952. 389.8 An1
English summary.

58056 CAUWENBERGHE, E. VAN. De la teneur en sucre de quelques unes de nos variétés de prunes. Fruit Belge 20:97-100. July 1952. 80 F9493

58057 DIETZ, J. H., and ROUSE, A. H. A rapid method for estimating pectic substances in citrus juices. Food Res. 18:169-177. Ref. Mar./Apr.1953. 389.8 F7322

58058 DINGLE, J., REID, W. W., and SOLOMONS, G. L. The enzymic degradation of pectin and other polysaccharides. II. J. Sci. Food & Agr. 4:149-155. Ref. Mar.1953. 382 So12

58059 FINCKE, A. Uber den gehalt einzelner mandeln an samenkern, samenschale und an asche in kern, schale und gesamtmandel. Zucker- u. Süsswaren-Wirt. 6:87-88. Feb.5,1953. 286.86 Z8

58060 FORD, C. M., and others. Biochemical studies of organisms producing flat sour spoilage of tomato juice. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:18-19. 1952. 448.39 So12A
R. W. Brown, A. E. Steward, C. T. Mason, and C. F. Schmidt, joint authors.

58061 HADORN, H., and JUNGKUNZ, R. Uber die analyse und zusammensetzung der edelkastanie (Castanea vesca). Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:418-429. Dec.1952. 384 Z39

58062 JAKOVLIV, G. Réflexions sur les méthodes d'appréciation de la teneur en pectine des fruits. Fruit Belge 20:168-172. Nov.1952. 80 F9493

58063 MILLER, E. V. A study of the relation between weight and juice content and composition of pineapple fruits. Food Res. 18:227-230. Mar./Apr.1953. 389.8 F7322

58064 PATRICK, R. Coliform bacteria from orange concentrate and damaged oranges. Food Technol. 7:157-159. Ref. Apr.1953. 389.8 F7398

58065 POTTER, A. L., and others. Fractionation of starches from smooth and wrinkled seeded peas. Amer. Chem. Soc. J. 75:1335-1338. Mar.20,1953. 381 Am33J
V. Silveira, R. M. McCready, and H. S. Owens, joint authors.

58066 ROSS, E., BARTLETT, D. S., and HARD, M. M. An application of oxidation-reduction potentials to frozen fruits treated with ascorbic acid and ascorbic-citric acid mixtures. Food Technol. 7:153-156. Ref. Apr.1953. 389.8 F7398

58067 TRIFIRO, E., and SARA, R. Contribution to the knowledge of Sicilian tomato preserves. IV. (In Italian.) Conserve e Derivati Agrumari 1(4):12-15. Oct./Dec.1952. 389.8 C7622

58068 WATTS, J. H., and GRISWOLD, R. M. Enzyme and ascorbic acid content of fresh and frozen pineapple. Food Res. 18:162-168. Ref. Mar./Apr.1953. 389.8 F7322

Consumption and Utilization

58069 BAINS, G. S., and others. Investigations on the utilization of tapioca flour for chapatis, pooris and vermicelli. Mysore. Cent. Food Technol. Res. Inst. B. 2:38-42. Nov.1952. 389.9 M99
S. K. Reddy, D. S. Bhatia, and V. Subrahmanyan, joint authors.

58070 CLOPTON, J. R. Antioxidant material from the Osage orange (Bois d'Arc) fruit. Amer. Oil Chem. Soc. J. 30:156-159. Apr.1953. 307.8 J82

58071 PAQUET, A. L'utilisation des sous-produits de la distillerie de fruits. Fruit Belge 21:49-54. Apr. 1953. 80 F9493

58072 RICHARDSON, H. B. New York demands top quality grapes. West. Fruit Grower 7(3):15-18. Mar. 1953. 95.8 G762

58073 SCHARDEY, A. Die verwendung der deutschen kartoffelernte. Kartoffelwirtschaft 6:116-117. Mar.6, 1953. 286.83 K14

58074 SIDDAPPA, G. S. Utilization of some minor fruits in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.316-320. Mysore,1952. 389 M992

58075 U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer purchases of fruits and juices by regions and retail outlets, Oct.-Dec. 1952. Washington,1953. 36 p. 1.941 M3R26
U. S. Production and Marketing Administration cooperating.
Statistics.

Distribution, Marketing, and Transportation

58076 ALFIERI, D. There's a law which protects farmers against sharp practices in produce deals. Ext. Serv. Rev. 24:47,62. Mar.1953. 1 Ex892Ex
Provisions of the Perishable Agricultural Commodities Act.

58077 BADGER, H. T. Marketing charges for carrots sold in Pittsburgh, Pa., Dec. 1949-June 1950, and in Cleveland, Ohio, Feb.-June, 1950. U. S. D. A. Mktg. Res. Rpt. 31,36 p. Feb.1953. 1 Ag84Mr

58078 BARGER, W. R., and others. Shipping tests with California mature-green tomatoes, fall, 1951. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 286,21 p. 1953. 1.9 P772Ht
W. A. Radspinner, B. A. Friedman, and L. L. Morris, joint authors.

58079 BAXTER, G. A. Making potato distribution cheaper and faster. Fruit, Flower & Veg. Trades' J. 103 (11):17. Mar.14,1953. 80 F946

58080 BECKMAN, H. V. Comice and Nelis pears continue to win favor in California markets. Pear Growers League. Annu. 1953:27-31. 286.3939 P31

58081 BECKMAN, H. V. Whither are we drifting with pears? Pear Growers League. Annu. 1953:6-7. 286.3939 P31
Marketing.

58082 BENZ, R. G. Washington apples in a changing market. N. Y. State Hort. Soc. Proc. 98:40-56. 1953. 81 N484

58083 BLACK, G. Marketing problems for California grapes. Giannini Found. Agr. Econ. Mimeog. Rpt. 144, 68 p. Feb.1953. 281.9 G34M

58084 BOLLN. Verkehrsaufgaben aus der kartoffelwirtschaft. Kartoffelwirtschaft 6:127,129. Mar.6,1953. 286.83 K14

58085 BRUNCK, M. E., and DOMINICK, B. A. Apple merchandising experiments, 1950-52. N. Y. State Hort. Soc. Proc. 98:34-35. 1953. 81 N484
New York.

58086 BRUNK, M. E. Changes in apple merchandising, 1950—52. N. Y. Agr. Col. Farm Econ. 189:4962-4963. Mar.1953. 280.8 C812

58087 BULLOCK, C. K. Working with Canadian grape growers. N. Y. State Hort. Soc. Proc. 98:98-102. 1953. 81 N484
To improve marketing.

58088 CASTIGLIONE, F. W. WGA [Western Growers Association] action big aid to lagging market. West. Grower & Shipper 24(5):60-63. Apr.1953. 280.38 W52
Public relations in the vegetable industry.

58089 CHARRIERE, J. La situation du marché des fruits. Almanach Agr. de la Suisse Romande 91:70-72. 1953. 30.3 AL6

58090 CLARK, L., and others. A board in the balance. Farmers Wk. [London] 38(14):46-47. Apr.2,1953. 10 F2226
G. Tuker, G. Doubleday, and P. G. Ross-Hume, joint authors.
For and against setting up an apple and pear marketing board in Great Britain.

58091 CLAYPOOL, L. L., and MORRIS, L. L. Air transit of perishables. Fruit & Veg. Rev. 15:11,22. Apr. 1953. 80 C1224

58092 CLEMENTS, W. J. Sales promotion—canned pears and fruit cocktail. Pear Growers League. Annu. 1953:23,25. 286.3939 P31

58093 COMMITTEE OF DIRECTION OF FRUIT MARKETING. Annual report 1951-52. Queensland Fruit & Veg. News 2:3-4. (Cont.) Oct.10,1952. 280.38 Q3

58094 CRAHAY, G. Le fruit belge et l'hôtellerie. Fruit Belge 20:167,166. Nov.1952. 80 F9493

58095 DAVIS, L. H. Apple merchandising in New York City. N. Y. State Hort. Soc. Proc. 98:192-195. 1953. 81 N484

58096 DEVE, F. Ce qu'il faut savoir du problème bananier:le froid y joue un rôle essentiel. Rev. Prat. du Froid 8(6):53-55. (Cont.) Mar.1953. 295.8 R323
Refrigeration during transportation.

58097 DEWHIRST, A. C. The modern all-purpose reefers. Fruit & Veg. Rev. 15:15,28. Apr.1953. 80 C1224

58098 ECKSTROM, C. R. Marketing Maine potatoes. Maine. Agr. Col. Ext. B. 422,16 p. Ref. May 1952. 275.29 M281B

58099 FAURE, J. Le marché du fruit dans le cadre de l'Europe Occidentale. Fruit Belge 20:65-70. May 1952. 80 F9493

58100 FISHER, G. F. The apple scheme; what is wrong? Com. Grower 2986:588-590. Mar.19,1953. 80 F941
Apple and Pear Marketing Board Scheme.

58101 FM PROBLEM study report No. 11: tree to table: a costly journey. Farm Mangt. 2(5):29-41. Apr. 1953. 281.8 F2225
Fruit marketing and costs.

58102 FOYTIK, J. Road to stability in marketing cannery pears. Pear Growers League. Annu. 1953:39,41, 43. 286.3939 P31

58103 GELLER, G. The promotional race and the Bartlett pear. Pear Growers League. Annu. 1953:35-37. 286.3939 P31

58104 HADELER, W. D. Growers and retailers sell pears. Pear Growers League. Annu. 1953:17,19,21. 286.3939 P31

58105 HOOS, S., and APLIN, R. D. Canned apricots; revised analysis of F.O.B. price relationships. Giannini Found. Agr. Econ. Mimeog. Rpt. 147,28 p. Mar.1953. 281.9 G34M
Marketing statistics.

58106 HOOS, S., and APLIN, R. D. Pacific Coast canned pears; revised analysis of F.O.B. price relationships. Giannini Found. Agr. Econ. Mimeog. Rpt. 148, 25 p. Mar.1953. 281.9 G34M
Marketing statistics.

58107 JACKSON, W. L. Raisins move steadily to market. West. Fruit Grower 7(3):26. Mar.1953. 95.8 G762

58108 KATEN, N. Promotion aimed at consumers, trade. West. Fruit Grower 7(3):26-27. Mar.1953. 95.8 G762
Raisins.

58109 KLAHRE, J. E. Trends in fruit marketing. Oreg. State Hort. Soc. Proc. 67:31,33-35. 1952. 81 Or32

58110 KLUGE, T. O. Non-member grower 'working in dark' causes instability. Sunsweet Standard 36(10):2-3. Mar.1953. 286.83 Su7
Prune marketing.

58111 MCFARLANE, G. The big riddle; the farmer and the C.O.D. [Committee of Direction of Fruit Marketing]. Queensland Fruit & Veg. News 3:2-3. Jan.2, 1953. 280.38 Q3

58112 MCKENNA, R. W. We look forward to orderly marketing of canning pears. Pear Growers League. Annu. 1953:2. 286.3939 P31

58113 MCNAUGHT, H. E. Reefers are big business. Fruit & Veg. Rev. 15:14. Apr.1953. 80 C1224

58114 MANUEL, M. L. The marketability of Kansas-grown apples at the retail level in five Kansas cities as compared to apples grown in areas other than Kansas. Kans. State Hort. Soc. Bien. Rpt. 51:112-127. 1952. 81 K13

58115 NAPOLI, P. J. Manhattan markets. Fruit & Veg. Rev. 15:29. Apr.1953. 80 C1224

58116 PEAR GROWERS LEAGUE. Annual 1953. San Jose,1953. 60 p. 286.3939 P31

58117 PETERSEN, J. Dutch auctions consolidate marketing. (In Danish.) Gart.-Tid. 69:94-95. Feb.23, 1953. 80 G192
Fruit and vegetables.

58118 PINTO, R. W. C. The supplying of vegetables to Luanda. (In Portuguese.) Agron. Angolana 6:115-143. 1952. 24 Ag83
English summary.

58119 PLUMMER, K. V. Pacific fruit express service. Fruit & Veg. Rev. 15:16-17. Apr.1953. 80 C1224

58120 RUBLE, R. L. Pride in a pack. Guide Post 31(3):16-18. Mar.1953. 75.8 G94
Marketing of potatoes.

58121 SAMMET, L. L. Efficiency in fruit marketing. Pear Growers League. Annu. 1953:47,49,51. 286.3939 P31

58122 SCHNOOR, H. Markt-offensive tut not; betrachtungen zur allgemeinen lage auf dem deutschen aepfelmarkt. Früchte u. Gemüse Markt 5:492-493. Apr.2,1953. 286.83 F9425

58123 SHARP, H. C. Revolving fund provides Association capital. Diamond Walnut News 35(2):1-2. Mar.1953. 94.68 D34
California Walnut Growers Association.

58124 SHUTES, G. A new market for you through air freight. West. Grower & Shipper 24(5):31-32. Apr.1953. 280.38 W52
Fruit and vegetables.

58125 SNITZLER, J. R. More fruits and vegetables moving by truck. Agr. Situation [Washington] 37(4):11-12 Apr.1953. 1 Ec7Ag

58126 STEBBINS, T. C. Our cherry business. (Abs.) Mich. State Hort. Soc. Proc. 82:10-11. 1952,pub.1953. 81 M58
Advertising.

58127 SWANBERG, S. G. Industry advertising features prunes as though they were just discovered. (Excerpts.) Sunsweet Standard 36(10):8-9. Mar.1953. 286.83 Su7

58128 TAYLOR, C. C. Apple marketing problems. Mich. State Hort. Soc. Proc. 82:57-58. 1952,pub.1953. 81 M58

58129 TESCHE, W. C. Shelled walnut sales heavy. Diamond Walnut News 35(2):3. Mar.1953. 94.68 D34

58130 TEST, R. J. Truck transportation. Fruit & Veg. Rev. 15:20. Apr.1953. 80 C1224

58131 TUKER, G. Summing up the case in favour of a Board. Grower [London] 39:639,641. Mar.28,1953. 286.83 M34
Apple and Pear Marketing Scheme in Great Britain.

58132 U. S. PRODUCTION AND MARKETING ADMIN. Available publications of the Production and Marketing Administration pertaining to fruits and vegetables, including produce handling. Washington,1952. 7 p. 1.956 A2Av1

58133 U. S. PRODUCTION AND MARKETING ADMIN. Carlot shipments of fresh fruits and vegetables by commodities, states, counties and stations, including boat shipments reduced to carlot equivalents. Washington, 1952. 56 p. 1.9 Ec741Csf

58134 U. S. PRODUCTION AND MARKETING ADMIN. A test comparing dry ice and mechanical refrigeration in the transportation of frozen citrus concentrate by motor-truck (an interim report), by C. E. Garver, M. V. Gerrity, J. R. Winston, and R. H. Cubbedge. Washington,1953. 23 p. 1.956 M343T282

58135 WEBB, R. D. Fact—or opinion? Com. Grower 2988:707-708. Apr.2,1953. 80 F941
Discussion of the Apple and Pear Marketing Scheme.

58136 WESTBERG, F. H. What about market promotion. Oreg. State Hort. Soc. Proc. 67:13-16. 1952. 81 Or32
Fruit.

58137 WESTERMANN, W. Klärung am kartoffelmarkt. Kartoffelwirtschaft 6:101,103. Mar.6,1953. 286.83 K14

58138 WHITTOME, J. E. Opponents long for Victorian age. Com. Grower 2988:706-707. Apr.2,1953. 80 F941
Discussion of the Apple and Pear Marketing Scheme.

58139 YERNA. Aperçus sur la distribution des fruits dans le commerce de détail. Fruit Belge 20:109-112,142-144. (Cont.) July,Sept.1952. 80 F9493

Grading, Inspection, Standardization, and Quality

58140 BACKUS, K. L. The importance of standardization of horticultural products in our modern marketing system. Kans. State Hort. Soc. Bien. Rpt. 51:53-57. 1952. 81 K13

58141 BEAR, E. M. The case for the apple opposition. Grower [London] 39:483-484. Mar.7,1953. 286.83 M34
Grading in Great Britain.

58142 BINSTADT. Beschaffenheit und aufbewahrung der unterlagen und edelreiser. Landbote 7(12):5. Mar.21, 1953. 18 L2336
Grapes in Germany.

58143 COUCHMAN, R. Advisory Board Committee reports progress in raisin evaluation research project. West. Fruit Grower 7(3):12-13. Mar.1953. 95.8 G762
Grading.

58144 DAUGHTERS, G. T. How to lick the tomato problem. Canning Trade 75(40):7-8. Apr.20,1953. 286.83 T67
Grading and inspection.

58145 DESROSIER, N. W., BILLERBECK, F. W., and TUKEY, R. B. Color grading of Red apple varieties with the Purdue color ratio meter. Amer. Soc. Hort. Sci. Proc. 60:209-212. Dec.1952. 81 So12

58146 DOETSCH, R. N. Report on a survey of ice cream manufacturers regarding standards for fruits and nuts. J. Milk & Food Technol. 15:260. Nov./Dec.1952. 44.8 J824

58147 EIDE, M. Sorting of Norwegian fruit. (In Norwegian.) Gartneryrket 43:230-231. Mar.21,1953. 80 G1938

58148 KUSKIE, S. J. Factors affecting juice quality in citrus. Queensland Fruit & Veg. News 3:99-100. Jan.22,1953. 280.38 Q3

58149 LEVOWITZ, D. Shall microbiological standards be developed for fruits for frozen desserts? J. Milk & Food Technol. 15:260-261. Nov./Dec.1952. 44.8 J824

58150 LINDGREN, D. L., and SINCLAIR, W. B. Effect of ethylene dibromide and ethylene chlorobromide fumigation on citrus and avocado fruits. J. Econ. Ent. 46:7-10. Feb.1953. 421 J822

58151 LUND, O. Sorting rules. (In Norwegian.) Gartneryrket 43:148. Feb.21,1953. 80 G1938
Fruit and vegetables.

58152 MARSH, G. L. Bitterness in Naval orange juice. Food Technol. 7:145-150. Ref. Apr.1953. 389.8 F7398

58153 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. 27 packed boxes; a grade count of packed apples prepared for sale, by F. E. Cole and O. C. Roberts. Amherst,1952. 8 p. 275.2 M38Tw

58154 PAGE, W. J. Congressman Herlong's bill to prohibit color-add process stirs controversy; Lake County opposition strengthens. Citrus Mag. 15(8):22-24. Apr.1953. 80 C498

58155 PALM, C. E. Current aspects of the spray residue problem. N. Y. State Hort. Soc. Proc. 98:218-224. 1953. 81 N484
Fruit.

58156 RICKERT, J. A year's experience with the cherry grading regulation. Mich. State Hort. Soc. Proc. 82:12. 1952,pub.1953. 81 M58

58157 SALUNKHE, D. K., and others. The influence of a preharvest foliar spray of maleic hydrazide on the specific gravity of potatoes and the quality of potato chips. Food Res. 18:191-196. Ref. Mar./Apr.1953. 389.8 F7322
S. H. Wittwer, E. J. Wheeler, and S. T. Dexter, joint authors.

58158 SYKES, S. M. Some quality factors in the freezing of peas. Agr. Gaz. N. S. Wales 64:73,102-105. Feb.1953. 23 N472

58159 WECKEL, K. G., and CHAPMAN, R. K. Flavor problems and other effects of insecticidal applications to vegetables grown for canning. Food Packer 34(4):32-34. Apr.1953. 286.83 C165

Packing and Packaging

58160 ADAM, W. B. Preliminary report on the possible use of aluminium cans for fruit and vegetables. Food Preserv. Q. 2:35-38. Sept./Dec.1951,pub.Nov.1952. 389.9 Au7F

58161 BOEKE, J. E. Pliofilm for packaging of fresh vegetables and fruit. (In Dutch.) Rubber 8:16-18. Feb. 1952. 78.8 R824

58162 BUCKMAN, M. Bagging increases apple sales. N. Y. State Hort. Soc. Proc. 98:21-24. 1953. 81 N484
Includes discussion.

58163 BYSTEDT, J. Prepackaging of fruit and vegetables. (In Swedish.) Svensk Jordbrforsk. 1953:191-200. 11 J763

58164 CAROLUS, R. L., and LIPTON, W. J. Packaging on quality and market acceptability of asparagus. Pre-Pack-Age 6(8):16-19. Apr.1953. 280.38 P91

58165 DAVIS, G. B., and MARTIN, L. C. Packaging Oregon late crop potatoes. 2. Pre-Pack-Age 6(7):24-26. Mar.1953. 280.38 P91

58166 DAVIS, L. H. Bagged apples are moving in New York State. N. Y. State Hort. Soc. Proc. 98:36-40. 1953. 81 N484
Includes discussion.

58167 RADSPINNER, W. A., and HARDING, P. L. The effect of containers on the storage of Florida oranges at terminal markets, 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 287,7 p. Feb.1953. 1.9 P772Ht
Fiberboard cartons.

58168 SMITH, R. J. Use of precooler for oranges in half-box carton. Calif. Citrog. 38:190,204,206. Apr. 1953. 80 C125

58169 SPANNAGEL, F. W. Pre-packaging produce at retail store level. Meat Merchandising 29(2):36-39. Feb.1953. 286.85 M462
Fruit and vegetables.

58170 U. S. PRODUCTION AND MARKETING ADMIN. Plants approved to pack processed fruits and vegetables under continuous inspection. Washington,1953. 21 p. 1.9422 Fr8P69

58171 U. S. PRODUCTION AND MARKETING ADMIN. Sizes of consumer packages used for prepackaged tomatoes; trays and window cartons. Washington?1952? 4 p. 1.956 A2Si9

58172 WALKER, W. F. Apple boxes constructed with pressed hardboard. Tasmanian J. Agr. 24:11-13. Feb.1, 1953. 23 T182T

Prices, Price Control, and Rationing

58173 ARANGO U., E. Un problema que exige inmediata solución. Soc. Antioqueña de Agr. B. Agr. 394: 3849-3850. Feb.1953. 9.4 So1
Potato prices.

58174 BOGER, L. L. When should apples be sold? Mich. State Hort. Soc. Proc. 82:13-16. 1952,pub.1953. 81 M58
Prices.

58175 CAUWENBERGHE, E. VAN. De la valeur commerciale de quelques variétés de pommes et de poires, les plus répandues dans nos cultures fruitières commerciales-récoltes 1951. Fruit Belge 20:85-87. June 1952. 80 F9493

58176 CAUWENBERGHE, E. VAN. Valeur commerciale de quelques unes de nos principales variétés de pommes et de poires, fin d'hiver et début printemps. Fruit Belge 20:105-108. July 1952. 80 F9493

58177 CAUWENBERGHE, E. VAN. La valeur commerciale de quelques unes de nos principales variétés fruitières. Fruit Belge 20:71-73. May 1952. 80 F9493

58178 ERNON, C. Valeur commerciale de quelques variétés de fruits de la Province de Liège. Fruit Belge 21:33-38. Mar.1953. 80 F9493

58179 HOOS, S., and APLIN, R. D. Canned cling peaches; revised analysis of F.O.B. price relationships. Giannini Found. Agr. Econ. Mimeog. Rpt. 145,28 p. Mar.1953. 281.9 G34M

58180 SHAY, F. M. Possibility of decline in dried fruit prices should be considered. Sunsweet Standard 36(10):4. Mar.1953. 286.83 Su7
Includes costs.

58181 U. S. BUR. OF AGRICULTURAL ECONOMICS. Factors affecting the weighted average auction price of Florida grapefruit, 1930-51, by W. S. Hoofnagle. Washington,1952. 14 p. 1.941 H2F112

Processing and Storage

58182 ALI, S., RASHEED, M. A., and RASULPURI, M. M. L. Preservation number. Punjab Fruit J. 15 (54),28 p. Oct.1952. 80 P962
Tropical fruit and tomatoes.

58183 ALM, F. Missfärgning hos vegetabiliska produkter [Discoloration of vegetable products]. Svenska Inst. f. Konservforsk. P. 69,36 p. Ref. 1952. 389.9 Sv2
Discoloration of fruit and vegetables in processing.

58184 ANGLO-AMERICAN COUNCIL ON PRODUCTIVITY. Fruit and vegetable storage and prepackaging. London,Brit. Prod. Council,1953. 64 p. (Productivity Report) 280.3 An4V

58185 ATKINSON, F. E., and FISHER, D. V. Harvesting, storing & ripening Bartlett pears for canning. Canad. Food Indus. 25(4):37-38. Apr.1953. 286.83 C166

58186 AUSTERN, H. T. Canning industry planning through two decades. Calif. Fruit News 127(3377):5,9-11. Mar.28,1953. 80 C12

58187 BEALE, W. S. The modern tomato cannery. Food Technol. Austral. 5:95,97,99,102. (Cont.) Mar. 1953. 389.8 F7333

58188 BEAVENS, E. A. Frozen purees from citrus fruits. U. S. Agr. Res. Admin. Res. Achvt. Sheet 158(C), 2 p. Mar.1953. 1.98 R31

58189 BERGERET, G. Conservas vegetales: frutas y hortalizas. Barcelona,1953. 540 p. (Colección Agrícola Salvat) 389.3 B455

58190 BHATNAGAR, H. C. Fruit and vegetable preservation industry in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.182-188. Mysore,1952. 389 M992

58191 BOARD, P. Storage and ripening of canning peaches. Agr. Gaz. N. S. Wales 64:7-8. Jan.1953. 23 N472

58192 BOULAIS M. J. La poudre de banane mure. Fruits et Leurs Dérivés 22:19-22. 1953. 389.68 J98

58193 BRANNEN, H. H. So, winter storage is your headache! The Deep South suggests a remedy. Potato Chipper 12(9):14,16. Apr.1953. 75.8 P844

58194 BRUNS, G., and NOWAK, A. Stärkeveredlungserzeugnisse. Kartoffelwirtschaft 6:131,133. Mar.6, 1953. 286.83 K14
Potato starch.

58195 CHASE, T., and others. Bulk handling of beans. Oreg. State Hort. Soc. Proc. 67:131-133. 1952. 81 Or32
P. Riensche, C. Bateson, E. Balla, and H. P. Henrickson, joint authors.

58196 CLAYPOOL, L. L., and OZBEK, S. Some influences of temperature and carbon dioxide on the respiration and storage life of the Mission fig. Amer. Soc. Hort. Sci. Proc. 60:226-230. Dec.1952. 81 So12

58197 CROCE, F. M. Desecación de avellanas. Vinos, Viñas y Frutas 48:363-364. Feb.1953. 9 Ag89

58198 CROMARTIE, A. L. Canning Florida fruits and vegetables. Fla. Agr. Col. Ext. B. 155,23 p. Jan.1953. 275.29 F66

58199 DAVIS, L. C. Processing of canned fruits in continuous pressure cookers and coolers. Austral. Food Mfr. & Distrib. 22(6):12,14,16,18,20. Jan.5,1953. 389.8 Au7

58200 DIEMAIR, W. Unbekanntere verfahren zur fruchtsaftherstellung. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:116-117. Feb.1953. 384 Z39

58201 DUROCHER, J., and ROSKIS, G. Technical progress in vegetable canning in the last ten years. I. Food Indus. So. Africa 5(11):39-42. Mar.1953. 389.8 F7372

58202 EISENSTAT, L., and FABIAN, F. W. Factors which produce bleaching of pickles—1. Glass Packer 32(4):29-31,50-51,78. (Cont.) Apr.1953. 309.8 G463

58203 FABIAN, F. W., and KRAGT, M. N. The cause of cloudiness in pickle brines. I. Canner 116(15):9-10,18, 27. Apr.11,1953. 286.83 C16

58204 FABIAN, F. W., and KRAGT, M. N. Cloudiness in pickle brines. II. Canner 116(16):10-11,17. Apr.18, 1953. 286.83 C16

58205 FEIGEN, X. Die türkei als herkunftsland für trockenfrüchte und schalenobst. Obst u. Gemüse 5:231-233. (Cont.) Mar.5,1953. 286.83 Ob72

58206 FILICE, B. A. In-plant chlorination as applied to sanitation in a fruit cannery. West. Canner & Packer 45(4):25,55. Apr.1953. 286.83 W522

58207 GERHARDT, F., SAINSBURY, G. F., and SIEGELMAN, H. W. Air purification for fruit; tests by U.S. Dept. of Agriculture on air purification in the cold storage of fruit indicate that its economic value in well operated commercial fruit storages seems doubtful. Ice & Refrig. 124(4):15-19,54. Ref. Apr.1953. 295.8 Ic2

58208 HANSEN, F. Investigations on the storage of potatoes. (In Danish.) Tidsskr. f. Planteavl 56:222-245. 1953. 11 T439
English summary.

58209 HENDEL, C. E., LEGAULT, R. R., and TALBURT, W. F. Effects of processing variables on leaching loss, carotene content, and susceptibility to browning in dehydrated carrot. Food Technol. 7:160-162. Apr.1953. 389.8 F7398

58210 HIGGINS, R. A. Freshening vegetables for retail sale. Mich. State Col. Agr. Ext. B. 318,20 p. Apr. 1953. 275.29 M58B

58211 ILDIS, P. Le problème de la conservation des pommes de terre. Terre Marocaine 27:55-61. Ref. Feb. 1953. 24 T44

58212 JAIVENOIS, A. Les alcools de fruits. Fruit Belge 21:39-45. Mar.1953. 80 F9493

58213 JONES, A. H. Color in sweet pickles. Canad. Food Indus. 25(4):25. Apr.1953. 286.83 C166

58214 KAPUR, N. S., MATHUR, P. B., and SINGH, K. K. Accumulation of sugars in potatoes in cold storage. Mysore. Cent. Food Technol. Res. Inst. B. 2:42-43. Nov. 1952. 389.9 M99

58215 KOCH, J. Uber die wirkung der filtrationsenzyme bei der fermentierung der fruchtsäfte. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:115. Feb. 1953. 384 Z39

58216 KUPPERS-SONNENBERG, G. A. Alkoholgewinnung aus topinambur; erfahrungsbericht über eine reise nach Frankreich. Branntweinwirtschaft 75:72-74. Feb.25,1953. 390.8 B7322

58217 KUSHMAN, L. J., and DEONIER, M. T. Effect of curing and storage temperatures on development of internal cork in sweet potato roots. Amer. Soc. Hort. Sci. Proc. 60:359-362. Dec.1952. 81 So12

58218 LEE, F. A., HENING, J. C., and PEDERSON, C. S. The improvement of the flavor of dehydrated vegetables by the addition of vegetable juice concentrates. Food Technol. 7:162-164. Apr.1953. 389.8 F7398

58219 MCBEAN, D. Factors affecting the colour of potato crisps. Food Preserv. Q. 2:46-47. Sept./Dec. 1951,pub.Nov.1952. 389.9 Au7F

58220 MAHONEY, C. H. Chemical residues and off-flavors of processing fruits and vegetables. (Abs.) Oreg. State Hort. Soc. Proc. 67:9-11. 1952. 81 Or32

58221 MATTINGLEY, G. H., and DOWNIE, W. A. Prevention of sprouting in stored table potatoes. Victoria. Dept. Agr. J. 51:89-90. Feb.1953. 23 V66J

58222 NICOLAY, E. L. Our experiences in storing potatoes. Potato Chipper 12(9):30-32. Apr.1953. 75.8 P844

58223 OLCOTT, H. S. Frozen peas improved by research. U. S. Agr. Res. Admin. Res. Achvt. Sheet 159(C), 2 p. Mar.1953. 1.98 R31

58224 OLSON, R. L., and others. Recent advances in potato granule technology. Food Technol. 7:177-181. Apr.1953. 389.8 F7398
W. O. Harrington, G. H. Neel, M. W. Cole, and W. R. Mullins, joint authors.

58225 PLUMIER, W. La coloration artificielle des fruits. Fruit Belge 20:133-134. Sept.1952. 80 F9493

58226 PORRITT, S. W., FISHER, D. V., and EDGE, E. D. Mouse control in fruit cold storages by means of carbon monoxide and methyl bromide fumigation. Amer. Soc. Hort. Sci. Proc. 60:265-271. Ref. Dec.1952. 81 So12

58227 POWDERED orange juice. Chemurg. Digest 12(3):4-5,19. Mar.1953. 381 N213Na

58228 PRATT, D. E., and POWERS, J. J. The thermal destruction of pectic enzymes in grapefruit juice. Food Res. 18:152-161. Ref. Mar./Apr.1953. 389.8 F7322

58229 RAO, Y. K. R. Manufacture of glucose from tapioca starch. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.278-279. Mysore,1952. 389 M992

58230 RASMUSSEN, M. Carbonic acid gas storage of fruit. (In Danish.) Kulde 6:61-63. Dec.1952. 295.8 K95

58231 RIVEROS, J. E. Empleo del frio en la conservación y transporte de frutas. Vinos, Viñas y Frutas 48:360-363. Feb.1953. 9 Ag89

58232 ROSEN, S. The importance of biotin, niacin and pantothenic acid in cucumber fermentation. Mich. U. Diss. Abs. 13:6. Feb.1953. 241.8 M58

58233 RYALI, A. L., and RADSPINNER, W. A. Half-stage icing of cantaloupes tests successful. West. Grower & Shipper 24(5):54-59. Apr.1953. 280.38 W52

58234 SAINSBURY, G. F. Reflective insulation—its performance in fruit storage warehouses. Refrig. Engin. 61:383-387. Apr.1953. 295.9 Am32J

58235 SASTRY, L. V. L. N. Nature of pigments in Concord grapes and their behaviour during heat processing and storage. (Abs.) Iowa State Col. J. Sci. 27:250-251. Jan.1953. 470 Io9

58236 SCHWARZENBACH, W. Entsteinte kirschen. Schweiz. Z. f. Obst- u. Weinbau 62:107-113. Mar.23, 1953. 80 Sch9

58237 SIDDAPPA, G. S., BHATIA, B. S., and LAL, G. Canning of baked beans and some Indian pulses in tomato sauce. Cent. Food Technol. Res. Inst. B. 2:10-13. Sept./Oct.1952. 389.9 M99

58238 SIDDAPPA, G. S., and BHATIA, B. S. Preparation of jelly from jack fruit rind. Mysore. Cent. Food Technol. Res. Inst. B. 2:70-72. Dec.1952. 389.9 M99

58239 SINGH, K. K., and MATHUR, P. B. Ripening of mangoes at controlled temperatures. Mysore. Cent. Food Technol. Res. Inst. B. 2:14-16. Sept./Oct.1952. 389.9 M99

58240 SMOCK, R. M. The influence of various temperatures during controlled atmosphere storage of McIntosh apples. Amer. Soc. Hort. Sci. Proc. 60:221-225. Dec.1952. 81 So12

58241 SOMMERFELDT. Biosmon im blickfeld der wissenschaft. Früchte u. Gemüse Markt 5:460-461. Mar. 27,1953. 286.83 F9425
Fruit and vegetable storage.

58242 SWAMINATHAN, M., KRISHNA, B. H., and RAO, G. R. A plan for tapioca 'soji' factory. Mysore. Cent. Food Technol. Res. Inst. B. 2:79-81. Dec.1952. 389.9 M99
Includes the manufacturing process.

58243 TAYLOR, R. H. Grape mould [Botrytis cinerea] control. Austral. Plant Dis. Recorder 5:6. Jan.1953. 464.8 Au7
During transit and storage.

58244 TEMME, A. Entgegnung auf die Karlsruher Biosmon-versuche. Früchte u. Gemüse Markt 5:491. Apr.2,1953. 286.83 F9425

58245 TIGCHELAAR, H. L. Storage of seed potatoes for early consumer growing. (In Dutch.) Groenten en Fruit 8:618-619. Feb.19,1953. 80 G89

58246 TURK, A., and VAN DOREN, A. Fruit storage; saturation of activated carbon used for air purification. J. Agr. & Food Chem. 1:145-151. Ref. Apr.15,1953. 381 J8223

58247 VOGL, K. Uber die weiterverarbeitung von limonadengrundstoffen zu limonadensirupen und deren dosierung auf die flasche. Branntweinwirtschaft 75:81-84. Mar.10,1953. 390.8 B7322

58248 WALKER, A. Préparation du manioc et du vin d'ananas au Gabon et en Amazonie. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:86-87. Jan./Feb.1953. 26 R323

58249 WALLACE, D. Processed-paced quality control. Food Engin. 25:80-82,215-216. Apr.1953. 389.8 F737
Pickle manufacture.

58250 WEBER, W. W. Storing potatoes for chips. Potato Chipper 12(9):24-25. Apr.1953. 75.8 P844

58251 WHITE, L., and COLQUHOUN, T. T. Economics of dehydrating vine fruits. Austral. BurAgr. Econ. Q. Rev. Agr. Econ. 6:25-27. Jan.1953. 281.9 Au73
Grape drying costs.

Statistics

58252 CAMPO, J. DEL. El frijol convertido en pivote de una polftica de abaratamiento. Com. Mex. 11:32-34. Feb.1953. 286.8 C73334
Prices, yields, and consumption in Mexico.

58253 FLORIDA CROP AND LIVESTOCK REPORTING SERV. Florida citrus fruit, annual summary, 1952. n.p.,1953. 46 p. 93.33 F664

58254 GALLO, G. The Trentine grape survey. (In Italian.) Agr. delle Venezie 7:32-34. Jan.1953. 16 Ag826
Acreage and area.

58255 READ, F. M. Goulburn Valley canning fruit trees. Food Technol. Austral. 5:105,107-108. Mar.1953. 389.8 F7333
Statistics.

58256 U. S. BUR. OF AGRICULTURAL ECONOMICS. Fruits (noncitrus); production, farm disposition, value, and utilization of sales, 1950 and 1951, by E. O. Schlotzhauer and O. M. Frost. Washington,1952. 38 p. 1.941 H8F94

58257 U. S. BUR. OF AGRICULTURAL ECONOMICS. Potatoes, acreage, production, value, farm disposition, Jan. 1 stocks (1866-1950), by G. B. Strong, and I. Holmes. U. S. D. A. Statis. B. 122,109 p. Mar.1953. 1 Ag84St

58258 U. S. PRODUCTION AND MARKETING ADMIN. Potatoes; summary of 1950 census data on acreage, production, and yield, by size of farms. Washington,1952. 57 p. 1.956 F94P844

GRAIN AND GRAIN PRODUCTS

58259 AMERICAN RICE GROWERS COOPERATIVE ASSOCIATION. Annual report 1951—1952. Lake Charles, La.,1952. 12 p. 280.2599 Am3

58260 ANDRED, F. L., and KRAMER, H. A. Commercial rice drier studies. Rice J. 56(4):28,46. Apr. 1953. 59.8 R36

58261 ARAL, N. Z. Wheat prices in Turkey. (In Turkish.) Türk Ekon. 10:371-372. Dec.1952. 280.8 T843

58262 ARNSDORF, E. Mehr einheimische qualitätsbraugerste. Deut. Landwirt.-Gesell. Mitt. 68:280-281. Mar.19,1953. 18 N39

58263 BENK, E. Uber den natürlichen lezithingehalt von malzextrakten. Zucker- u. Süsswaren-Wirt. 6:127-128. Feb.20,1953. 286.86 Z8

58264 BRAITHWAITE, D. P. The hydrocyanic acid content of perennial Kavirondo sorghum. East African Agr. J. 18:54-58. Oct.1952. 24 Ea74

58265 BREJ, S. Studies on the quality of spring and winter wheat in the conditions of Lower Silesia. (In Polish.) Rocz. Nauk Roln. 65:143-169. 1952. 20.5 R59
English summary.
Milling and baking quality.

58266 BRINKLEY, H. L. A bigger job for the co-ops the experience of the American Rice Growers points the way for farmer co-operatives to expand their markets and to take over some of the tasks now being left to Government. Country Gent. 123(4):35,85-87. Apr.1953. 6 C833

58267 BRUYNE, L. DE. Evolution de la construction et de la technique meunières en ces dernières années. École Off. de la Meun. Belge. B. 15:7-22. (Cont.) Jan./Feb.1953. 298.9 G34

58268 BURE, J., and SARAZIN, J. Les analyses de comparaison en matière de farines. Indus. Agr. et Aliment. 70:123-126. Feb.1953. 383 As7

58269 CANDIOLI, P. Technical and economic aspects of wheat culture in Italy. (In Italian.) Verona. Accad. di Agr. Sci. e Let. Atti e Mem. (ser.6)1:17-23. 1949/50,pub.1952. 16 V59

58270 CANTONI, G. The rice economy in Italy. (In Italian.) Conv. Naz. della Risicolt. Atti Uffic. 1:16-41, 137. 1952. 59.9 C7623
Includes discussion.

58271 CATHCART, W. H. The baking test. Amer. Assoc. Cereal Chem. Trans. 2:34-48. Ref. Feb.1953. 59.9 Am3T
Includes discussion.

58272 CHANDRASEKHARA, M. R., and SWAMINATHAN, M. The proteases of 'ragi' (Eleusine coracana, Gaertn.) malt. Mysore. Cent. Food Technol. Res. Inst. B. 2:99-101. Ref. Jan.1953. 389.9 M99

58273 CLARK, R. J. Malt supplementation in flour specifications. Amer. Assoc. Cereal Chem. Trans. 2:68-77. Feb.1953. 59.9 Am3T
Includes discussion.

58274 CLERC, H. Mehlqualitätsprüfung nach Chopin. Müllerei 6:179-180. Mar.28,1953. 298.8 M91

58275 CLEVE, H. Die neuen vorbereitungsverfahren. École Off. de la Meun. Belge. B. 15:23-31. (Concl.) Jan./Feb.1953. 298.9 G34

58276 COOPERATIVE DES PRODUCTEURS DE BLE ET DE RIZ DES BOUCHES-DU-RHONE ET DU VAR. Assemblee générale plènière. Bouches du Rhône Agr. 25(1093):3-9. Mar.1,1953. 14 B662

58277 CORN INDUSTRIES RESEARCH FOUNDATION, NEW YORK. The story of corn and its products. Ed. 3. New York,1952. 39 p. 388 C81S

58278 CRYNS, J., and others. Heat stabilized wheat base. Amer. Assoc. Cereal Chem. Trans. 2:5-12. Ref. Feb.1953. 59.9 Am3T
D. H. Calloway, M. Bollman, and R. A. Larsen, joint authors.

58279 CURTIS, W. D. The world needs rice—but for how long? Rice J. 56(4):24-25. Apr.1953. 59.8 R36

58280 DAWSON, G. One miller's comments about ash in flour. Nowest. Miller (Milling Prod. Sect.) 249 (15):1a,18a. Apr.14,1953. 298.8 N81

58281 DEKEN, R. H. DE, MORTIER, A., and WIAME, J. M. The solubility of wheat gluten. Biochim. et Biophys. Acta 10:488. Mar.1953. 381 B522

58282 DESCHREIDER, A. R. Die wirkung ultravioletter strahlen auf das mehl. XI. Der einfluss von laktose (milchzucker) auf die bestrahlung von l-cystein mit ultraviolettem licht. Getreide u. Mehl 3:23-24. Mar. 1953. 298.8 G332

58283 DITSWORTH, R. L., and JERGER, E. W. Through-circulation drying of cut corn. Agr. Engin. 34: 251-252,254. Apr.1953. 58.8 Ag83

58284 DIXON, W. The bleaching and improving of wheat flour. Milling 120:318,320-321,323. Mar.21,1953. 298.8 M622

58285 DULUTH BOARD OF TRADE. Annual report; list of members and firm and corporation members and individuals who do business in their own names, for the year ending December 31, 1952. Duluth,1953? 34 p. 287 D88R
Contains grain marketing statistics.

58286 DUVERNOY, E., and SLEYOGT. La détermination rapide de l'humidité. Petit J. du Brasseur 61: 240-244. Apr.3,1953. 390.8 P44
Barley and malt.

58287 EASTMAN, P. J. Oats for Aroostook. M. P. G. News 7(8):5. Mar.1953. 75.8 M11

58288 ECKHOFF. Die braugerstenschau 1953. Hannoversche Land- u. Forstwirt. Ztg. 106:388. Mar.28, 1953. 18 H194

58289 ECKARDT. Die getreideverarbeitung im lichte der modernen ernährungslehre. Deut. Müller-Ztg. 51: 105-106,127. Ref. Mar.4-18,1953. 298.8 Su2

58290 ELDER, A. H., LUBISICH, T. M., and MECHAM, D. K. Studies on the relation of the pentosans extracted by milk acid treatments to milling properties of Pacific Northwest wheat varieties. Cereal Chem. 30: 103-114. Ref. Mar.1953. 59.8 C33

58291 ELDREDGE, J. C., JOHNSON, I. J., and RICHARDSON, C. H. Cold storage of popcorn. Popcorn Merchandiser 7(12):32-43,46. Mar.1953. 280.38 P81

58292 ENSAYO acerca de la ricicultura y su desarrollo en Venezuela. Banco Agr. y Pecuario. Rev. 28:51-69. Ref. Oct.1952. 284.29 B224R
The industry.

58293 ERAN, P. Körnerbruch durch schadhafte schlägerschälmaschinen. Mühle 90:159-160. Mar.19, 1953. 298.8 M89

58294 ERICKSON, H. W. Grinding and crushing plant. Chem. Trade J. & Chem. Engin. 132:685-687. Mar.20, 1953. 382 C422

58295 FINNEY, K. F., and YAMAZAKI, W. T. An alkaline viscosity test for soft wheat flours. Cereal Chem. 30:153-159. Mar.1953. 59.8 C33

58296 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Commodity reports: rice. Rome,1952. 42 p. (FAO/52/12/8353) 281.3599 F73C

58297 GARIBOLDI, A. Orientation and problems of the rice processing industry. (In Italian.) Riso 2(2):21-22. Feb.1953. 59.8 R49

58298 GAROGLIO, G. The problem of rice in the national economy. (In Italian.) Chimica (n.s.)29:3-8. Jan.1953. 385 C445
Italy.

58299 GATENBY, F. Put your popcorn in a box. Popcorn Merchandiser 7(12):14,16-17. Mar.1953. 280.38 P81

58300 GILMORE, J. F. 1952 year of accomplishment for California [Hay, Grain & Feed Dealers] Association. West. Feed & Seed 8(4):44. Apr.1953. 389.78 W52

58301 GOBBI, H. The mininum price for wheat. (In Portuguese.) Lavoura 56:19-22. Nov./Dec.1952. 9.2 L39
Brazil.

58302 GODAMBE, V. P. A statistical study in the sampling design adopted to assess the effect of rise in prices on the offtake of rationed foodgrains. Bombay. Bur. Econ. & Statis. B. 6:9-14. July 1952,pub.1953. 269.54 Ec7

58303 GOPP, K. Rückschau auf die 5. braugerstenausstellung in Worms 1952. Brauwelt 21:251-254. Mar. 13,1953. 390.8 B732

58304 GRACI, A. V., and others. Pilot-plant application of filtration-extraction to rice bran. Amer. Oil Chem. Soc. J. 30:139-143. Ref. Apr.1953. 307.8 J82
C. G. Reuther, P. H. Eaves, L. J. Molaison, and J. J. Spadaro, joint authors.

58305 GRAIN AND FEED DEALERS NATIONAL ASSOCIATION. Directory, spring 1953. Washington,D.C., 1953. 72 p. 225 G763

58306 GT. BRIT. COMMONWEALTH ECONOMIC COMMITTEE. Grain crops; a summary. London,1953. 144 p. 280.39 G794C
Statistics.

58307 GRIFFIN, P. F. Allusions to corn in Mexican toponomy. J. Geog. 52:165-167. Apr.1953. 278.8 J82

58308 GUERRA M., L. C. Importancia de almacenar secos los granos. Mercado Agr. 21:10-11. Mar.24,1953. 284.38 M53

58309 HAGBERG, S. Gummi in roggen und weizen. (Sum.) Verssta. f. das Gärungsgewerbe. Mitt. 7:14. Jan./Feb.1953. 390.08 V67

58310 HALLETT, J. P. Things you should know about your flour. Bakers' Natl. Assoc. Rev. 70:388-390. Mar.13,1953. 389.8 N214
Quality.

58311 HECKE. Mehlausbeuten- und aschegehaltabelle für die gesamte weizen-verbundmüllerei. Mühle 90:143-144. Mar.12,1953. 298.8 M89

58312 HENDRICKSON, R. F. Wheat is political dynamite. Co-op Grain Q. 11:51-58. Mar.1953. 280.28 C7898

58313 HOPF, I. Mehltransport unter schonung des griffes. Müllerei 6:161. Mar.21,1953. 298.8 M91

58314 HOTTENROTH, B., and PURR, A. Neues verfahren zur gewinnung von furfurol aus haferspelzen. Chem.-Ingen.-Tech. 25:81-88. Ref. Feb.1953. 384 C428
English summary.

58315 HUELSEN, W. A., and THOMPSON, A. E. Artificial drying of popcorn in relation to popping expansion. Amer. Soc. Hort. Sci. Proc. 60:341-350. Ref. Dec.1952. 81 So12

58316 IDLER, D. R., and others. Separation and tentative identification of two new sterols from oats. Amer. Chem. Soc. J. 75:1712-1715. Apr.5,1953. 381 Am33J
S. W. Nicksic, D. R. Johnson, V. W. Meloche, H. A. Schuette, and C. A. Baumann, joint authors.

58317 JEWELL, P. S. The unsolved problems of gluten structure. Bakers' Natl. Assoc. Rev. 70:431-432. Mar.20,1953. 389.8 N214

58318 LALLOY. La construction des silos et magasins à blé. Génie Rur. 46:93-100. Mar.1953. 58.8 Au8

58319 LARMOUR, R. K. Wheat: the universal foodstuff. Nowest. Miller 249(15):33-35,38. Apr.14,1953. 298.8 N81

58320 LEADLEY, T. Wheat faces trouble; a two price system is proposed with growers sharing some of the subsidy on exports. Colo. Rancher & Farmer 7(5):42-43,45. Mar.14,1953. 6 C714

58321 LECHNER, L. Deutscher reis—alter mais. Ubersicht 4:243-248. Mar.1953. 18 Ub3
Analysis and composition.

58322 LEYCESTER, J. H. Problems on grain storage. London Corn C. 110(21):6. (Cont.) Mar.13,1953. 286.81 L84

58323 LINDBERG, J. E. Versuche über die wärmebehandlung von weizen. Getreide u. Mehl 3:17-22. Mar. 1953. 298.8 G332

58324 MACINDOE, S. L. New wheat varieties help the farmer and bread manufacturer; but baking quality of most major wheats still no better than federation. Australas. Baker & Millers' J. 56(671):12,14. Feb.1953. 298.8 Au7

58325 MACLEOD, A. M. The quality of cereals and their industrial uses; viability testing of cereal seeds. Chem. & Indus. 13:289-291. Ref. Mar.28,1953. 382 M31C

58326 MACMASTERS, M. M. Grain structure and grain storage. U. S. Bur. Agr. & Indus. Chem. AIC-348, 11 p. Ref. Feb.1953. 1.932 A2Ag82

58327 MACTIER, J. A. Producing and selling premixed flour. Amer. Miller & Processor 82(3):32-33. Mar.1953. 298.8 Am32

58328 MAES, E., DRIESSCHE, S. VAN DEN, and BERNAERTS, M. Untersuchungen über die mikrobiologische herkunft proteolytischer enzyme im mehl. (Sum.) Verssta. f. das Gärungsgewerbe. Mitt. 7:15. Jan./Feb.1953. 390.08 V67

58329 MALTHA, P. Warum mehlbleichung? Mühle 90:144-147. Ref. Mar.12,1953. 298.8 M89

58330 MALTHA, P. Warum mehlbleichung? Müllerei 6:151-152. (Concl.) Ref. Mar.14,1953. 298.8 M91

58331 MARTENS, A. En marge du renouvellement de L'Accord International du Blé. Sillon Belge 23(550):6. Mar.1953. 13 Si3

58332 MARTENS, H. Know your grain grading; Iowa State's new course in grain grading shows how cash crops pay off. Iowa Agr. 51(7):3-5. Mar.1953. 6 Io9

58333 MILNER, M., and others. Application of the polaroid-land process to radiographic inspection of wheat. Cereal Chem. 30:169-170. Mar.1953. 59.8 C33
R. Katz, M. R. Lee, and W. B. Pyle, joint authors.

58334 MORSINK, G. H. Cooperative sale of wheat versus combined flour factories. (In Dutch.) Natl. Coop. Aan- en Verkoopver. v. de Landb. Cent. Bur. Meded. 36: 105-106. Sept.1952. 12 N287
Chiefly on prices.

58335 MULLER, J. Fehlerquellen im laboratorium und ihre ausschaltung. Müllerei 6:149. Mar.14,1953. 298.8 M91

58336 MYRBACK, K., and PERSSON, B. Inactivation of barley β-amylase by sodium dodecyl sulfate. Arkiv f. Kemi 4:531-536. Apr.23,1952. 385 Ar4

58337 NIAZ, M. S., and MILLER, G. W. Rice position in foreign countries. Econ. & Com. 2:62-65. Feb.5,1953. 280.8 P175

58338 NIAZ, M. S., and MILLER, G. W. Rice situation. Econ. & Com. 2:39-42. Jan.20,1953. 280.8 P175

58339 OMAHA GRAIN EXCHANGE. Forty-ninth annual report,1952. Omaha,1952. 21 p. 287 Om12
Grain statistics.

58340 PENCE, J. W., MOHAMMAD, A., and MECHAM, D. K. Heat denaturation of gluten. Cereal Chem. 30:115-126. Ref. Mar.1953. 59.8 C33
In flour.

58341 PFEUFFER, F. Die aschebestimmung. Deut. Müller-Ztg. 51:136-137. (Cont.) Mar.18,1953. 298.8 Su2

58342 PREMNARAIN. Flour milling industry in India. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.204-209. Mysore,1952. 389 M992

58343 RADA, I. Recherches de méthodes simples d'analyse quantitative du blé. Ecole Off. de la Meun. Belge. B. 15:1-6. Jan./Feb.1953. 298.9 G34

58344 RAY, L. R., and BEEKMAN, E. Limpieza de granos y semillas. Bolsa de Com. Rosario. Rev. 41 (987):6-9. Feb.28,1953. 287 R71
Equipment.

58345 REBIFFE, J. Le W des blés en France. Défense Agr. de la Beauce et du Perche 50:33-34. Mar. 1,1953. 14 D36

58346 ROTSCH, A. Aktuelle lebensmittelrechtliche probleme bei mehl und backwaren. (Sum.) Angew. Chem. 65:143. Mar.7,1953. 384 Z33

58347 SCHEUCH, F. Praktische erfahrungen mit der pneumatischen reinigung und förderung. Müllerei 6:150-151. Mar.14,1953. 298.8 M91

58348 SCHRUBEN, L. W. Grain market reports. Kans. Agr. Expt. Sta. B. 353,54 p. Dec.1952. 100 K13S

58349 SEEBORG, E. F. Evaluation of wheat milling characteristics by laboratory methods. Amer. Assoc. Cereal Chem. Trans. 2:1-5. Feb.1953. 59.9 Am3T

58350 SILVELA TORDESILLAS, F. Sobre la tipificación de los trigos comerciales españoles. Spain. Inst. Nac. de Invest. Agron. B. 12:545-572. Dec.1952. 105.6 Sp14
English summary.

58351 SIPES, P. Jobs for Future Farmers—grain inspection. Amer. Farm Youth 19:14,16-18. Mar.1953. 6 Am393

58352 SLATER, L. E. Schlitz defeats dust. Food Engin. 25:61-63,182. Apr.1953. 389.8 F737
Grain elevator construction.

58353 SMITH, R. J. Determination of lactic acid in heavy corn steep liquor. Analyt. Chem. 25:505-507. Ref. Mar.1953. 381 J825A

58354 SORENSON, J. W., and others. Recent research on drying and storage of rough rice. Ga. Agr. Expt. Sta. South. Coop. Ser. B. 29,29 p. Ref. Jan.1953. 100 G29So

58355 SPENNEMANN, A. Der braugerstenanbau in Niedersachsen. Brauwelt 20:247-248. Mar.9,1953. 390.8 B732
The industry.

58356 SUBRAHMANYAN, V. Synthetic rice. Mysore. Cent. Food Technol. Res. Inst. B. 2:48-53. Nov.1952. 389.9 M99
Processed cassava and peanut flour.

58357 SULLIVAN, B. Oxidation treatment of flours. Amer. Assoc. Cereal Chem. Trans. 2:77-88. Feb.1953. 59.9 Am3T
Includes discussion.

58358 THATCHER, F. S., COUTU, C., and STEVENS, F. The sanitation of Canadian flour mills and its relationship to the microbial content of flour. Cereal Chem. 30:71-102. Ref. Mar.1953. 59.8 C33

58359 THEIMER, O. F. Geplante getreidesilobauten in Brasilien. Mühle 90:162. Mar.19,1953. 298.8 M89

58360 THORFINNSON, S. M. North Dakota's durum triangle. Co-op Grain Q. 11:27-29. Mar.1953. 280.28 C7898

58361 TORRES, J. DI. P. Storage of corn. (In Portuguese.) Lav. e Criação 7(45):28-29. Dec.1952. 49 L392

58362 UHLMANN, W. Ein neues schälverfahren. Mühle 90:144. Mar.12,1953. 298.8 M89

58363 UNION DE CREDITO AGRICOLA DEL MAYO. El trigo de Sonora y sus problemas. Crédito y Téc. Agr. 3(54):24-25. Mar.15,1953. 284.28 C864
The industry.

58364 U. S. BUR. OF AGRICULTURAL ECONOMICS. Popcorn production 1952. Washington,1952. 2 p. 1.9 Ec71Pop

58365 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Procedure for fumigation of freight carloads of bulk grain, using the forced-circulation method. Washington,n.d. 4 p. 1.967 A2P945

58366 U. S. EXTENSION SERV. Recommendations for new and expanded educational work on grain marketing. Rev. Washington,1953. 2 p. 1.913 A2R247

58367 VIGUERA LOBO, J. M., LAFUENTE FERRIOLS, B., and PRIMO YÚFERA, E. Aprovechamiento industrial de los subproductos del arroz. Rev. de Cien. Apl. 7(30):22-33. Jan./Feb.1953. 475 R324

58368 WAINWRIGHT, A. W. Some aspects of flour milling. Australas. Baker & Millers' J. 56(672):7-8. Mar.1953. 298.8 Au7

58369 WELLHOENER, H. J., and KUPPER, A. Malze aus auslandsgersten. Brauwelt 24:307. Mar.23,1953. 390.8 B732
Analysis.

58370 WHINERY, J. S. Absorption and mixing in relation to flour testing and flour specifications. Amer. Assoc. Cereal Chem. Trans. 2:49-67. Ref. Feb.1953. 59.9 Am3T
Includes discussion.

58371 WHITE, C. L.A. Grain Exchange plays big part in feed industry. West. Feed & Seed 8(4):34,51,57,64. Apr.1953. 389.78 W52

58372 WHITE, L. M., and SECOR, G. E. Occurrence of two similar homologous series of oligosaccharides in wheat flour and wheat. Arch. Biochem. & Biophys. 43: 60-66. Ref. Mar.1953. 381 Ar2

58373 WILHELM, A. Ist eine zwischengüter-analyse auch in der kleinmühle erforderlich? Müllerei 6:153. (Concl.) Mar.14,1953. 298.8 M91

58374 WINDHAUSEN, O. Begriffsbestimmungen über buchweizenmehle und ihren schalengehalt. (Sum.) Angew. Chem. 65:142. Mar.7,1953. 384 Z33

58375 WORLD grain supply position in year of decontrol. Agr. Merchant 33:77-79. Mar.1953. 10 Ag89

58376 YAGER, C. M. Must millers go broke selling bakery flour? Another dissertation on the subject of prices. Mod. Miller & Bakers News 80(7):17. Mar.28, 1953. 298.8 M72

HONEY AND BEESWAX

58377 AMERICAN HONEY INSTITUTE. Twenty-five years of service. Amer. Bee J. 93:150. Apr.1953. 424.8 Am3

58378 BOSSE, L. Causes de mévente du miel. Abeille et l'Erable 22(ser.2):43-44. (Cont.) Mar.1953. 424.8 Ab32
Canada.

58379 CRANE, E. Uses of honey and other bee products. Irish Beekeeper 7:40-41. Feb.1953. 424.8 In42
Includes pollen and beeswax.

58380 DEANS, A. S. C. Specific gravity of honey. Scot. Beekeeper 29:60. Apr.1953. 424.8 Sco8

58381 HELVEY, T. C. Colloidal constituents of dark buckwheat honey. Food Res. 18:197-205. Ref. Mar./Apr.1953. 389.8 F7322

58382 MANLEY, R. O. B. Distribution costs money. Brit. Bee J. 81:162. Mar.12,1953. 424.8 B77
Honey marketing.

58383 MORRIS, E. W. T. Preparing honey and honey products for sale and show. Bee-Keepers' Rec. 71:56-57. (Cont.) Apr.1953. 424.8 B398

58384 MUTTOO, R. N. The processing and marketing of honey and its nutritional aspects. Indian Bee J. 14:99-103. Sept./Dec.1952. 424.8 In2

58385 POTSCH, O. Die reklame beim honigverkauf. Carnica Züchterring 5:21. (Cont.) 1953. 424.8 C21

58386 REPISO, J. La miel. Avicult. Téc. 5:256-258. Jan.1953. 47.8 Av57
Production and marketing in Spain.

58387 SCHMIDT. Bemerkenswerte informationen aus der honig-weltwirtschaft 1952. Nordwestdeut. Imkerztg. 5:79-81. Mar.1953. 424.8 N753

58388 STANLEY, J. F. Weights and measures. Brit. Bee J. 81:204-205. Mar.26,1953. 424.8 B77
In connection with honey.

58389 STRAUB, W. F. Keep them flying! Amer. Bee J. 93:146. Apr.1953. 424.8 Am3
Honey advertising.

58390 TAUFEL K., and MULLER, K. Zur herkunft der saccharide im honig. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:81-83. Feb.1953. 384 Z39

58391 U. S. BUR. OF AGRICULTURAL ECONOMICS. Honey and beeswax production, 1951. Fargo,1952. 2 p. 1.941 H8H755

58392 U. S. BUR. OF AGRICULTURAL ECONOMICS. Honey and beeswax production, 1952. Boise,1953. 2 p. 1.941 S8H753

58393 U. S. PRODUCTION AND MARKETING ADMIN. Help yourself to honey. New York,1952. 2 p. 1.956 A2H36

LIVESTOCK AND LIVESTOCK PRODUCTS

58394 BREIMYER, H. F. More beef to eat, less pork. Little change in total meat. Agr. Situation [Washington] 37(4):9-10. Apr.1953. 1 Ec7Ag

58395 BREIMYER, H. F. What the Department of Agriculture can contribute to the welfare and prosperity of the livestock and meat industry in 1953. Washington, U. S. Bur. Agr. Econ.,1953. 5 p. 1.941 A2B74
Remarks at annual meeting of the Western States Meat Packers Association, San Francisco, Feb. 12, 1953.

58396 BREMER, V. 2000 farms produce furs of the highest quality. Finnish Trade Rev. 69:106,124. June 1952. 286.8 F495

58397 BURGOS, C. X. The program of livestock development under the Bureau of Agricultural Extension. Agr. & Indus. Life 15(2):19,46. Feb.1953. 25 Ag8
In the Philippines.

58398 CAIRE, J. Cattle feeding and its place in Twelfth District agriculture. Fed. Reserve Bank San Francisco. Mon. Rev.,Jan.1953(sup.),24 p. 284.8 F31S

58399 CENTRAL LIVESTOCK ASSOCIATION. Be it resolved. Co-op Shipper 33(4):10-12. Apr.1953. 280.38 C78
Resoltuions adopted at the annual meeting, February 11, 1953.

58400 CIANI, G. Inspection, industry and trade of foods of animal origin; prices and controls in the light of economic liberalism. (In Italian.) Croce Azzurra 4:34-43. Jan./Feb.1953. 41.8 C87

58401 CORPORACIÓN PARAGUAYA DE CARNES. Balance general, 1951. Asunción,1952. unpaged. 50.9 C81B

58402 GRUTER. Krise in der pferdezucht? Landwirt. Z. der Nord-Rheinprov. 120:288. Mar.7,1953. 18 L2344

58403 HYATT, S. Looking ahead for the cattleman. Calif. Cattleman, Apr.1953:10-11,14. 43.8 C12

58404 LA INDUSTRIA ganadera de México. Crédito y Téc. Agr. 3(54):7-23. Mar.15,1953. 284.28 C864

58405 IRELAND. PIGS AND BACON COMMISSION. Report of proceedings for the year ended 31st December, 1950. Dublin,1952. 11 p. 281.3469 Ir22

58406 JARRETT, F. G. An econometric analysis of the demand for livestock and livestock products. (Abs.) Iowa State Col. J. Sci. 27:193-196. Jan.1953. 470 Io9

58407 KIDSON, A. L. Beef production in Australia. Food Mfr. 28:131-134. Apr.1,1953. 389.8 F736

58408 KIENTSCH, A. Schlachtungen, ausmerzaktionen und fleischversorgung. Schweiz. Bauer 107(34):5. Mar.23,1953. 17 Sch95

58409 MACNAIR, J. Hogs for survival. Livestock Wk. 7(13):17,107,109,112,114,118,122. Jan.29,1953. 49 L753
The industry in Germany.

58410 MEDINA BLANCO, M. La estampa ganadera en Bélgica. B. de Divulg. Ganad. [Ciudad Real] 7(76/78): 13-18. Oct./Dec.1952. 49.9 Sp14

58411 MILLER, R. C. More sheep for Kentucky farms. Ky. Farmer 89(4):6,14. Apr.1953. 6 F2237

58412 MOLLIN, F. E. What are we going to do with 93,000,000 cattle. Colo. Rancher & Farmer 7(5):1,8. Mar. 14,1953. 6 C714

58413 MUCCIOLO, P., and BARBUTO, O. M. The Brazilian meat industry and the production of charqui. (In Portuguese.) (Sum.) Soc. Paul. de Med. Vet. B., Dec. 1952(spec.no.):51-52. 41.9 So13

58414 PEARSON, F. A., MYERS, W. I., and VIAL, E. E. Interrelationships among farmer demand, value and supply of cattle. N. Y. Agr. Col. Farm Econ. 189: 4934-4952. Mar.1953. 280.8 C812

58415 PRICHARD, G. L. Research needed. Mktg. Activ. 16(2):12-14. Feb.1953. 1.942 A8M34
New uses for inedible tallow and grease.

58416 RAMEAU, G. L'élevage bovin au Tchad. Rev. Internatl. des Prod. Colon. 28:63-65. Mar.1953. 286.8 R326

58417 ROTHE, A. Texas grew from hide and horn; its cattle industry was begun by the early Spanish settlers. Farm & Ranch South Agr. Sowest. Ed. 83(4):16,48. Apr. 1953. 6 F22125

58418 SCHABORT, C. C. My visit. II. Wool farming in the U.S.A. (In Afrikaans.) Wolboer 6(8):13-14. Mar. 1953. 45.8 W83
The sheep industry.

58419 SCHILL, L. Gefahren für unsere veredelungsprodukte! Bauern-Ztg. 6(10):1-2. Mar.13,1953. 18 B324
Swine situation and milk prices in Germany.

58420 SERTOLI, A. Mountain livestock raising. (In Italian.) Rass. Econ. della Prov. di Sondrio 5(12):12-13. Dec.1952. 287 So5

58421 TORNAU. Einhaltung der viehhaltepläne sichert den ferkelabsatz. Demokratische Dorf 2(10):12-13. Oct.1952. 281.8 D39
Russian Zone of Germany.

58422 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Facts about beef. Washington,1953. 4 p. 1.914 A2F1124
Supply and retail beef cuts.

58423 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Plenty of beef, by H. E. Reed and K. M. Gapen. Washington,Mar.21,1953. 3 p. 1.914 R2R11

58424 UTAH'S sheep industry. Utah Econ. & Business Rev. 13(3):4-5. Mar.1953. 280.8 Ut1

58425 WAHBY, O. Econometric analyses of the demands for pork, beef, and poultry products. (Abs.) Iowa State Col. J. Sci. 27:269-270. Jan.1953. 470 Io9

58426 WILSON, C. P., and RILEY, H. M. Trends in livestock and meat industry in Kansas. Kans. Agr. Expt. Sta. B. 355,34 p. Nov.1952. 100 K13S

58427 WOLF. Ist es richtig, die bergschafe im Allgäu abzuschaffen? Allgäuer Bauernbl. 21:179. Mar. 19,1953. 18 AL53

58428 WORKING, E. J. Studies in the measurement of demand with special reference to the demand for meat. Cambridge,1952. 205 p. 281.350 W89
Thesis - Harvard University.

Analysis and Composition

58429 BUTTIAUX, R. The bacteriological examination of canned ham. II. Food Mfr. 28:135-138. Apr.1, 1953. 389.8 F736

58430 CASSEL, J. M., and MCKENNA, E. Amide nitrogen of collagen and hide powder. Amer. Leather Chem. Assoc. J. 48:142-154. Ref. Mar.1953. 303.9 Am32

58431 GOLDBERG, H. S., and others. Studies on the microflora and deep tissues of beef, and their susceptibility to various antibiotics. (Abs.) Soc. Amer. Bact. Bact. Proc. 52:17-18. 1952. 448.39 So12A
B. C. Lepovetsky, H. H. Weiser, F. E. Deatherage, and L. E. Kunkle, joint authors.

58432 GRASSMANN, W. Elektronenmikroskopische untersuchungen an kollagen. (Sum.) Angew. Chem. 65: 115. Feb.21,1953. 384 Z33

58433 INGRAM, M. The bacteriology of meat. Food Trade Review 23(2):5-6. Feb.1953. 389.8 F7334

58434 KELLY, J. T. Fresh sausage. Chem. Canada 5:79-80. Apr.1953. 381 C4236
Composition.

58435 MCCARTHY, J. F., and MACKINTOSH, D. L. Some observations on the pH of pork under various conditions. Food Technol. 7:167-171. Ref. Apr.1953. 389.8 F7398

58436 MOHLER, K., and KIERMEIER, F. Die wirkung anorganischer phosphate auf tierisches eiweiss. II. Der einfluss auf die quellung von fleischeiweiss. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:90-98. Feb.1953. 384 Z39

58437 REED, R. The significance of the mucoids of hides and skins in the limeyard. Soc. Leather Trades' Chem. J. 37:75-81. Ref. Mar.1953. 303.9 So12

58438 RODDY, W. T., and LOLLAR, R. M. The correlation between some physical properties of leather. Amer. Leather Chem. Assoc. J. 48:118-125. Mar.1953. 303.9 Am32

58439 SIEMERS, L. L., and HANNING, F. A study of certain factors influencing the juiciness of meat. Food Res. 18:113-120. Ref. Mar./Apr.1953. 389.8 F7322

58440 TUCKER, H. Q., VOEGELI, M. M., and WELLINGTON, G. H. A cross sectional muscle nomenclature of the beef carcass. East Lansing,Michigan State Col. Press,1952. 41 p. 50 T79

Consumption and Utilization

58441 HUGHES, C. E. A closer look at meat consumption trends. Armour's Anal. 1(10):1-4. Jan./Feb. 1953. 286.85 Ar52

58442 WOOLLAM, T. G. E. The influence of prices on the relative consumption of beef and pork. Econ. Annal. 23:29-32. Apr.1953. 281.8 Ec72
Canada.

Distribution, Marketing, and Transportation

58443 ASHBY, R. C. Effective marketing of slaughter livestock. n.p.,1952. 105 p. 280.340 As3Ef

58444 BASS, F. M. Marketing your rabbit fryers. Amer. Rabbit J. 23:52-53. Apr.1953. 40.28 Am3

58445 BRUNER, W. H. Swine improvement in Ohio. Berkshire News 18(6):8-9. Apr.1953. 46.8 B454
Grading and marketing program.

58446 CANADA. MARKETING SERV. ECONOMICS DIV. Hog marketing in Grey County, Ontario, April, 1950, by T. S. Rackham. Ottawa,1952. 20 p. 280.346 C1t

58447 CANADA. MARKETING SERV. MARKET INFORMATION SECT. Thirty-third annual livestock market review 1952. Ottawa,1952. 101 p. 280.39 C16A
Statistics.

58448 COOK, M. J. Administration of the Packers and Stockyards Act. Cattleman 39(11):66,68,70-73. Apr. 1953. 49 C29

58449 DENVER UNION STOCKYARD CO. Sixty-seventh annual live stock report, for the year ended December 31, 1952 and summary for the years 1900-1952. Denver,1953. 25 p. 49.9 D43

58450 DRENNER, R. E. The buyer's job. Livestock Wk. 7(21):21,58. Mar.26,1953. 49 L753
Beef cattle.

58451 FIVE houses in the row. Farm Mangt. 2(5):57-60. Apr.1953. 281.8 F2225
Chain reaction in cattle market situation.

58452 FORT WORTH STOCKYARDS. The 51st annual livestock report for 1952 and summary for the years 1902-1952. Fort Worth,1952. 33 p. 49.9 F77

58453 GROS, M. Le marché des peaux de moutons d'Algérie en 1952. Mouton 8:35. Mar.1953. 45.8 M86

58454 HEIZER, J. M. Oldest livestock co-op enters hall of fame. News Farmer Coop. 20:11. Apr.1953. 166.2 N47
The Goodlettsville (Tenn.) Lamb and Wool Club, the Nation's oldest livestock cooperative.

58455 HOMAN, J. The cooperative meat central. (In Dutch.) Groninger Landbbl. 31(12):5. Mar.19,1953. 12 G892

58456 HULBERT, H. H. Co-op cattle take to the air. News Farmer Coop. 20:5. Apr.1953. 166.2 N47
Shipment of calves by air freight by Equity Cooperative Livestock Sales Association, Milwaukee.

58457 JENSEN, J. Why not more co-op marketing? How livestock farmers can help themselves to greater profits. Ill. Agr. Assoc. Rec. 31(4):16-17. Apr.1953. 6 IL62

58458 LAFFERTY, D. G. Marketing Arkansas livestock through local slaughter and processing plants. Ark. Agr. Expt. Sta. B. 530,28 p. Mar.1953. 100 Ar42

58459 LITTON, G. Sheep market like cattle market—quality pays. Breeder-Stockman 14(11):94,108. Apr.1953. 49 V81

58460 MCDONNELL, H. The million dollar cow shed. Breeder-Stockman 14(11):12-13. Apr.1953. 49 V81
Cattle marketing in Baldwin County, Alabama.

58461 MCNEELY, J. G. Livestock markets; Amarillo sale built into largest cattle auction market in U. S. A. Sowest. Crop & Stock 7(4):13,108-109. Apr.1953. 6 So8942

58462 MEAT'S public defender. Farm Mangt. 2(5): 49-52. Apr.1953. 281.8 F2225
National Live Stock and Meat Board.

58463 MITTENDORF, H. J. Die entwicklung am rindermarkt. Agrarwirtschaft 2:82-86. Mar.1953. 281.8 Ag826
Germany.

58464 MOSER, H. Hide futures—nerve center of the industry. Leather & Shoes 125(13):10-11,36,38. Mar. 28,1953. 303.8 H53

58465 NORLAND, J. Livestock markets; lusty multimillion dollar Clovis sale develops from horse-mule era. Sowest. Crop & Stock 7(4):12,105. Apr.1953. 6 So8942

58466 OLSON, F. Canadian railway transportation. Canad. Cattlemen 16(4):10-11,26-27,34-35. Apr.1,1953. 49 C16
Includes livestock and grain.

58467 PLAGER, R. G. Teamwork can win fields for pork. Breeder's Gaz. 118(5):12,24. May 1953. 49 B74

58468 SAINT PAUL UNION STOCKYARDS CO. 65th annual livestock year book 1952, with general market information. South Saint Paul,1952. 32 p. 49.9 Sa23

58469 SCHROEDER, N. Hebung des absatzes von häuten und fett. Neue Fleischer-Ztg. 70(21):4. Mar.14, 1953. 286.85 N39
Germany.

58470 SMITH, W. W. Market hogs at 180-240 lbs. to reduce lard. Natl. Live Stock Prod. 31(6):8. Apr.1953. 280.38 N21

58471 UNION STOCKYARDS CO. OF OMAHA. 69th annual live stock report, 1952, with summary for the years 1884 to 1952. Omaha,1953. 20 p. 49.9 Om1R

58472 VOCKLABRUCK. Was erwartet der zucktviehkäufer? Salzburger Bauer 8(11):7-8. Mar.12,1953. 19 Sa3

58473 WEBSTER, F. C. Marketing of Vermont cattle. Vt. Agr. Expt. Sta. B. 569,28 p. Mar.1953. 100 V59

58474 ZUGENBUEHLER, C. A. Cattle market. Amer. Hereford J. 43(24):20-21,174. Apr.15,1953. 43.8 Am32

Grading, Inspection, Standardization, and Quality

58475 BOSTOCK, F. The 1952 pig meats carcass competitions. Queensland Agr. J. 75:335-341. Dec.1952. 23 Q33
Fifth Baconer Pig Carcass Competition.

58476 CLIFTON, E. S. How much are your hogs worth? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:168-171. Mar.1953. 275.28 Io94
Prices, weight and measurement guides to grades.

58477 CLIFTON, E. S. Objective carcass grade specifications for slaughter steers. (Abs.) Iowa State Col. J. Sci. 27:148-149. Jan.1953. 470 Io9

58478 DOWNEY, L. A. Pig and carcass demonstration models. Victoria. Dept. Agr. J. 51:23-24,27. Jan. 1953. 23 V66J

58479 EMPEY, W. A. Notes on the influence of nitrite on the quality of canned cured meats. Food Preserv. Q. 2:39-45. Sept./Dec.1951,pub.Nov.1952. 389.9 Au7F

58480 HARRIS, G. Bitter milk. Brit. Goat Soc. Mon. J. 46:28. Mar.1953. 40.19 B77M

58481 INFLUENCE of nitrite on the quality of canned cured meats. Austral. Food Mfr. & Distrib. 22(7):24,26, 28. Feb.5,1953. 389.8 Au7

58482 LOMBARD, C. A propos de la communication de M. Leblois: "La technologie carnée ne devrait-elle pas remplacer l'actuelle inspection des viandes." Acad. Vét. de France. B. 26:39-40. Jan.1953. 41.9 R24

58483 PETRIE, W. Cattle hide defects and blemishes; damage by insects and disease. Leather Trades' Rev. 107:593-594. Mar.25,1953. 303.8 L48

58484 STATHER, F. Haut- und lederfehler. Ed. 2, and enl. Wien,Springer,1952. 178 p. 303 St22

58485 TAPPEL, A. L. Linoleate oxidation catalysts occurring in animal tissues. Food Res. 18:104-108. Ref. Mar./Apr.1953. 389.8 F7322

58486 205,000 meat labels on file; how USDA can pick-out your product labels in a few seconds time. Natl. Provisioner 128(13):25-27. Mar.28,1953. 286.85 N21
Filing of trade labels by the Meat Inspection Service of the Department of Agriculture.

58487 U. S. BUR. OF ANIMAL INDUSTRY. 15-minute talk on Federal meat inspection. Washington, 1952? 8 p. 1.972 M2F46

Prices, Price Control, and Rationing

58488 BERESFORD, R., and KUTISH, F. A. Are beef-cattle profits gone? Successful Farming 51(4):42-43,136-137. Apr.1953. 6 Su12

58489 BREIMYER, H. F., and JOHNSON, L. W. Seasonal trends indicate future live stock prices. Natl. Live Stock Prod. 31(6):6,27. Apr.1953. 280.38 N21

58490 CONWAY, H. M. Live stock prices are regaining some strength. Natl. Live Stock Prod. 31(6):10. Apr.1953. 280.38 N21

58491 HUGHES, C. E. The hide problem—one that concerns the entire livestock industry. Breeder-Stockman 14(11):114,116,121. Apr.1953. 49 V81
Effect of hide prices on cattle prices.

58492 MEYER, A. R., and WHITTLE, B. Is lean pork priced too low? South. Planter 114(4):14-15,28. Apr. 1953. 6 So89

58493 NEUMANN, C. See greater stability in cattle prices. Prairie Farmer, Gen. Ed. 125(8):6,50. Apr.18, 1953. 6 P883

58494 TONTZ, R. L. What are cattle prices going to do next? Farmer-Stockman 56(4):110-111. Apr.1953. 6 Ok45

58495 ZANNONI, I. Concerning the price of livestock and meat. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:49-50. Feb.1953. 16 C72

Processing and Storage

58496 ASGHAR, S. Approach to modern flaying in Pakistan. Econ. & Com. 2:31-34. Jan.20,1953. 280.8 P175

58497 BURTON, D., REED, R., and FLINT, F. O. The unhairing of hides and skins without lime and sulphide. Soc. Leather Trades' Chem. J. 37:82-87. Ref. Mar.1953. 303.9 So12

58498 DAY, R. E. Chemical aids for sanitation in the meat packing industry. Chem. Spec. Mfr. Assoc. Proc. 39:87-88. 1952. 307.9 C42

58499 ELING, R., and LOLLAR, R. M. The effect of microbiological and pancreatic bates on limed skins. Amer. Leather Chem. Assoc. J. 48:135-142. Mar.1953. 303.9 Am32

58500 ELING, R., and LOLLAR, R. M. The effect of microbiological and pancreatic bates on limed skins. Shoe & Leather Rptr. 270(3):24-29. Apr.18,1953. 303.8 Sh7

58501 GOLDBERG, H. S., WEISER, H. H., and DEATHERAGE, F. E. Studies on meat. IV. The use of antibiotics in preservation of fresh beef. Food Technol. 7:165-166. Ref. Apr.1953. 389.8 F7398

58502 HOWARD, A. Chilling of beef for export. Food Technol. Austral. 5:111,114-115,117,120. Mar.1953. 389.8 F7333
Australia.

58503 HUMPHREYS, G. H. W. Azidität: der hauptunterschied zwischen modernen englischen und deutschen sohlledergerbmethoden. (Sum.) Angew. Chem. 65:115. Feb.21,1953. 384 Z33

58504 HUNTER, A. M. Dressing mink pelts. Fur Trade J. Canada 30(8):12,24-25. Apr.1953. 410 F965

58505 KOEPPE, S. The source of excessive juiciness of canned hams and preventive measures. (In Polish.) Przem. Rolny i Spozywczy 6:415-419. Nov.1952. 389.8 P95
English summary.

58506 LAIZET, G. Une formule de gestion pour le centre d'abatage frigorifique de Tiaret. Elevage et Cult. 5(50):19-21. Feb.1953. 24 EL2

58507 MARCHANDIAU, R. Gélification à froid des tendons et aponévroses; applications en charcuterie. Paris,Foulon,1952. 37 p. Ref. 50 M344
Thèse - École Nationale Vétérinaire, Alfort.

58508 MITTON, R. G. The mechanics of the process of drumming. Soc. Leather Trades' Chem. J. 37:87-99. (Cont.) Mar.1953. 303.9 So12

58509 OGILVY, W. S., and AYRES, J. C. Post-mortem changes in stored meats. V. Food Res. 18:121-130. Ref. Mar./Apr.1953. 389.8 F7322

58510 PHILLIPS. The organisation and work of the British Leather Manufacturers' Research Association. Tanner 7(9):16. (Cont.) Feb.1953. 303.8 T15

58511 SCHINDLER, K. Von der tierhaut zum leder. Leben u. Umwelt 9:121-128. Mar.1953. 410 L49

58512 SIMONCINI, E. Adulteration of industrial salts for the curing of skins. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti. B. 29:5-17. Feb.1953. 303.8 It1

58513 STEINBACH, J. Fleischkonservierung durch pökeln. Osterr. Fleischhauer- u. Fleischselcher-Ztg. 7:5. Feb.14,1953. 50.8 Os7

58514 WEGHOFER, H. Some considerations on wool fat and wax. (In Portuguese.) Rev. de Quím. Indus. 21 (247):12-15. Nov.1952. 385 R324
Processing and chemical composition.

58515 WESTERN STATES MEAT PACKERS ASSOCIATION. WSMPA goes all out on margins markets and VE. Natl. Provisioner 128(9):24-31,33-36,38-39,41-43, 45,47-48,50-52,54,57,60-61,65-68,71-72,74-75,77-78, 81-83. Feb.28,1953. 286.85 N21
Report of the convention.

58516 WHITE, B. New pelting device saves time and labor. Black Fox Mag. & Mod. Mink Breeder 36(11):11. Mar.1953. 410 B56

58517 WOLF, I. W., and RUSHTON, J. H. Steam stripping of lard. Amer. Oil Chem. Soc. J. 30:147-153. Apr.1953. 307.8 J82

Statistics

58518 BRUMLEY, C. Beef cattle numbers climb to record high; South shows greatest increase. West. Live Stock 38(8):14-15,18. Mar.1953. 49 W523

58519 BUCK, J. Bayerns viehbestände ende 1952. Bayern in Zahlen 7:51-53. Feb.1953. 265 B34

58520 KINSMAN, K. L. Incidence of drought loss; effects on the Queensland cattle industry. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 6:19-23. Jan.1953. 281.9 Au73
Statistics of slaughterings, disappearances, and mortality.

58521 MILLER, W. B. Live stock in Victoria; geographical distribution. 5. Sheep. Victoria. Dept. Agr. J. 51:72-77. Feb.1953. 23 V66J

58522 U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock and poultry inventory (as of January 1, 1952). Fargo,1952. 2 p. 1.941 H8L754

58523 U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock report as of January 1, 1953. Orlando, 1953. 2 p. 1.941 H8L755

58524 U. S. BUR. OF AGRICULTURAL ECONOMICS. Cattle on feed, April 1, 1953. Washington,1953. 2 p. 1.9 Ec742Caf

58525 U. S. BUR. OF AGRICULTURAL ECONOMICS. Missouri lamb crop report, 1952. Columbia,1953? 2 p. 1.941 S8L16
Lamb and wool production statistics.

58526 WOINOFF, O. Viehbestand 1952 unter besonderer berücksichtigung der kleintierzucht. Deut. Kleintier-Züchter 8(6):4-5. Mar.20,1953. 49 D483

OILS AND OILSEEDS

58527 BALAVOINE, P. Examen organoleptique des huiles et graisses comestibles. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:521-523. 1952. 389.9 Sw6

58528 BENING, W. Soy flour and milk powder in Europe. I. Soybean Digest 13(4):18-19. Feb.1953. 60.38 So9

58529 BENING, W. Soy flour and milk powder in Europe. II. Soybean Digest 13(5):20-22. Mar.1953. 60.38 So9

58530 BENING, W. Soy flour and milk powder in Europe. III. Soybean Digest 13(6):20. Apr.1953. 60.38 So9

58531 BLUMANN, A., MICHAEL, M., and WHITE, D. E. The chemistry of Western Australian plants. VIII. The essential oil of Eucalyptus eudesmioides Bark. Chem. Soc. J., Mar.1953:788-789. 382 L84J

58532 BURNET, G. Desolventizing and toasting of trichloroethylene-extracted soybean oil meal. (Abs.) Iowa State Col. J. Sci. 27:137-139. Jan.1953. 470 Io9

58533 BURTIS, E. L., and LEEKS, A. G. Olive oil and the world fat market. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 2(2):7-12. Feb. 1953. 251 F73Mb

58534 COLLINS, F. I. Bauer Mill operation and its effect on the percentage of oil found in soybeans. Amer. Oil Chem. Soc. J. 30:154-155. Apr.1953. 307.8 J82

58535 DECK, E. M. Another outlet for vegetable oils from American farms. Soybean Digest 13(5):14-16. Mar.1953. 60.38 So9
Mellorine, vegetable fat frozen desserts.

58536 EVANS, C. D., and others. The flavor problem of soybean oil. XI. Amer. Oil Chem. Soc. J. 30:143-147. Ref. Apr.1953. 307.8 J82
P. M. Cooney, H. A. Moser, and A. W. Schwab, joint authors.

58537 FAROOQ, M. O., OSMAN, S. M., and AHMAD, M. S. The fixed oil from the seeds of Carum copticum Benth. (Ptychotis ajowan). J. Sci. Food & Agr. 4:132-134. Mar.1953. 382 So12

58538 FINCKE, H. Über die kennzahlen der kakaobutter. Zucker- u. Süsswaren-Wirt. 6:83-84. Feb.5, 1953. 286.86 Z8

58539 FORD, G. Problems of the vanaspati industry. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.238-248. Mysore,1952. 389 M992

58540 FRANCE. MINISTERE DE LA FRANCE D'OUTRE-MER. SERV. TECHNIQUE D'AGRICULTURE TROPICALE. Le séchage du coprah. Agron. Trop. [Nogent-sur-Marne] 8:73-81. Jan./Feb.1953. 26 Ag86

58541 FREZZOTTI, G. Technique de l'extraction de l'huile d'olive sans pression et sans solvant. Oléagineux 8:141-145. Mar.1953. 77.8 OL2

58542 GAROGLIO, P. G. L'huile d'olive en Argentine. Feuilles d'Inform. Oléicoles Internatl. (n.s.)13:3-12. Jan./Feb.1953. 80 F43
English summary.

58543 GILPIN, G. L., and others. Flavor of peanuts and peanut products as affected by certain insecticides used in growing peanut crops. Food Technol. 7:132-135, Ref. Mar.1953. 389.8 F7398
E. H. Dawson, E. L. Geissenhainer, and H. Reynolds, joint authors.

58544 GIRI, K. V. Groundnut as raw material for food industries. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.299-315. Mysore,1952. 389 M992
Processing.

58545 GUENTHER, E. Recent developments in the field of essential oils. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 35:74-78. (Cont.) Feb.15,1953. 308.8 R52

58546 GUNSTONE, F. D. Vegetable oils. II. Further studies of seed oils of various Strophanthus species. J. Sci. Food & Agr. 4:129-132. Mar.1953. 382 So12

58547 HINKO, T. Die wirkung des lichtes der leuchtstoffröhren auf carotinhaltige fette. Fette u. Seifen 55:113-118. Ref. Feb.1953. 384 C422

58548 HOLMES, R. L., MINOR, J. C., and MCKINNEY, R. S. The rate of development of acidity in stored tung seeds and kernels. Amer. Oil Chem. Soc. J. 30:137-139. Apr.1953. 307.8 J82

58549 JOHNSON, P., and NAISMITH, W. E. F. The physicochemical examination of the conarachin fraction of the groundnut globulins (Arachis hypogaea). Faraday Soc. Discuss. 13:98-109. Ref. 1953. 382 F22D

58550 KAMER, J. H. VAN DE. The fat in our food (In Dutch.) Voeding 14:109-122. Feb.15,1953. 389.8 V85
English summary.
Types of fat used in the Netherlands.

58551 KAUFMANN, H. P., and LUSSLING, T. Komplexverbindungen ungesättigter fettsäuren. Fette u. Seifen 55:90-95. Ref. Feb.1953. 384 C422

58552 KAUFMANN, H. P., BUDWIG, J., and SCHMIDT, C. W. Die papier-chromatographie auf dem fettgebiet. XV. Untersuchungen natürlicher, für die anstrichmittel-industrie wichtiger öle. Fette u. Seifen 55: 85-90. Ref. Feb.1953. 384 C422

58553 LEMBKE, A., KAUFMANN, W., and FARFALETTI-CASALI, P. L. Spektralanalytische messungen an fetten. Milchwissenschaft 8:118-120. Apr.1953. 44.8 M5933
English summary.

58554 LEVER BROTHERS AND UNILEVER. The place of margarine in the economics of nutrition. London, 1952. 15 p. 44 L57

58555 LIENER, I. E., PALLANSCH, M. J., and ROSE, J. E. Properties of soyin, a toxic protein isolated from soybean flour. (Abs.) Fed. Amer. Soc. Expt. Biol. Fed. Proc. 12(1,pt.1):240. Mar.1953. 442.9 F31P

58556 THE LINSEED industry. Rev. Mktg. & Agr. Econ. 20:240-252. Dec.1952. 286.8 N47M
Australia.

58557 LIU, F. K. Trichloroethylene extraction of cottonseed. (Abs.) Iowa State Col. J. Sci. 27:212. Jan 1953. 470 Io9

58558 LOEW, G. La méthode Spiteri appliquée à quelques huiles d'olives d'Argentine. Feuille d'Inform. Oleicoles 22:1125-1127. Oct./Dec.1952. 80 F432

58559 LUNDBERG, W. O. Antioxidants and their uses. Mfg. Confectioner 33(4):19-20,22,25-26,67-68. Apr.1953. 389.8 M31
For oils and fats.

58560 MIERZEJEWSKI, T., and SKULMOWSKI, J. Detection and separation of aminoacids in protein hydrolysates of soya bean by the partition paper chromatography method. (In Polish.) Lublin. U. M. Curie-Skłodowskiej. Ann. Sect. DD 6:309-324. Ref. 1952. 512 L96Ad
English summary.

58561 MONTEFREDINE, A. L'extraction des matières grasses au moyen d'ultrasons. Feuilles d'Inform. Oléicoles Internatl. (n.s.)13:14-19. Jan./Feb.1953. 80 F43
English summary.

58562 MONTEFREDINE, A. On alterations in olive oil in oilcakes. (In Italian.) Olivicoltura 8(2):1-16. Ref. Feb.1953. 80 OL42

58563 PENFOLD, A. R., and MORRISON, F. R. Physiological forms of Australian essential oil-yielding flora—their scientific and industrial significance. Perfumery & Essential Oil Rec. 44:80-82,121. Mar.1953. 308.8 P41

58564 REIS, W. F. Advances in essential oils. Coffee & Tea Indus. 76(4):67-68. Apr.1953. 389.8 Sp4

58565 REITH, J. F. Anti oxydantia. (In Dutch.) Voeding 13:497-510. Ref. Nov.15,1952. 389.8 V85
For fats.

58566 RENTENBERGER, A. Verarbeitung der wichtigsten europäischen ölsaaten im pressverfahren und raffination der daraus gewonnenen öle. Seifen-Öle-Fette-Wachse 79:157-158. (Concl.) Apr.1,1953. 307.8 Se4

58567 RENTENBERGER, A. Verarbeitung der wichtigsten europäischen ölsaate im pressverfahren und raffination der daraus gewonnenen öle. I. Seifen-Öle-Fette-Wachse 79:125-127. (Cont.) Mar.18,1953. 307.8 Se4
English summary.

58568 ROMAN Y OROZCO. A. La semilla del castor. Managua. Cám. Nac. de Com. e Indus. B. 184/185:15,17-18. Aug./Sept.1952. 287 M316

58569 SASTRY, S. G. Indian (Mysore) linaloe oil. Soap 6:3-8. (Cont.) Jan.1953. 307.8 So14

58570 SCHEIBER, J. Fettwissenschaft und anstrichmittelforschung. Fette u. Seifen 55:81-84. Feb.1953. 384 C422

58571 SEAVELL, A. J., and SLEIGHTHOLME, J. J. Factors affecting the heat thickening of linseed oil. Oil & Colour Chem. Assoc. J. 36:119-126. Mar.1953. 306.9 Oi5

58572 SHAH, G. M. Problems facing the oil industry. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.292-294. Mysore,1952. 389 M992
Vegetable oils.

58573 SMITH. R. W. Popping oil availability and future outlook. Popcorn Merchandiser 7(12):8,10-12. Mar.1953. 280.38 P81

58574 SPERLICH, H. Uber den nachweis von glykolen in essenzen. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:117. Feb.1953. 384 Z39

58575 STANSBURY, M. F., PONS, W. A., and HOFFPAUIR, C. L. Phosphorus compounds in cottonseed kernels; influence of variety of cottonseed and environment. J. Agr. & Food Chem. 1:75-78. Apr.1,1953. 381 J8223

58576 STILLMAN, R. C. The effect of chlorophyll on the color and value of vegetable oils. Amer. Oil Chem. Soc. J. 30:159-162. Apr.1953. 307.8 J82

58577 SURE, B., and others. Cottonseed meals; influence of processing on protein values. J. Agr. & Food Chem. 1:82-84. Ref. Apr.1,1953. 381 J8223
L. Easterling, J. Dowell, and M. Crudup, joint authors.

58578 U. S. NORTHERN REGIONAL RESEARCH LABORATORY. List of publications, vegetable oils and related subjects. U. S. Bur. Agr. & Indus. Chem. AIC-184(sup.5),3 p. 1952. 1.932 A2Ag82

58579 U. S. PRODUCTION AND MARKETING ADMIN. Prices of cottonseed and cottonseed products and the 1952 cottonseed price support program. Washington, 1952. 2 p. 1.956 A2P93

58580 VALIENTE, C., VIGUERA, J. M., and IRANZO, J. R. Aprovechamiento de los resíduos de la industrialización de los ágrios. IX. Constantes físicas y químicas de las esencias de naranjas españolas. Ion 13(138):3-5. Ref. Jan.1953. 385 Io6

58581 VAUGHN, R. H., and others. Lactobacillus plantarum, the cause of "yeast spots" on olives. Appl. Microbiol. 1:82-85. Mar.1953. 448.3 Ap5
W. D. Won, F. B. Spencer, D. Pappagianis, I. O. Foda, and P. H. Krumperman, joint authors.

58582 WASTLER, T. A., DAUGHERTY, P. M., and SINEATH, H. H. Industrial raw materials of plant origin. II. Recent developments in vegetable waxes, gums, and resins. Ga. State Engin. Expt. Sta. B. 15,31 p. Jan.1953. 290.9 G292

POULTRY AND POULTRY PRODUCTS

58583 ABBOTT, J. C. Fryer marketing in the East San Francisco Bay Area, California. Giannini Found. Agr. Econ. Mimeog. Rpt. 146,86 p. Mar.1953. 281.9 G34M

58584 ADAMS, J. L., ANNIN, G. E., and SUNDE, M. L. Getting poultry ready for market. Wis. Agr. Col. Ext. C. 434,18 p. Dec.1952. 275.29 W75C

58585 ALBERTI. Das gebiet Weser-Ems—ein hühnerland. Landwirtbl. Weser-Ems 100:313-314. Mar. 19,1953. 18 L2345

58586 ÅLMGREN, K. New investigations concerning quality and keeping quality of eggs. (In Swedish.) Svensk Jordbrforsk. 1953:201-211. 11 J763

58587 BAKER, R. C., and EARLE, W. Empire State Blue Label poultry. Amer. Egg & Poultry Rev. 15(2):77-78. Feb.1953. 47.8 Am38

58588 BANKS, M. R. The stop-over on the way to market. Poultry Processing & Mktg. 59(5):14,20. May 1953. 286.85 Eg3
On the Cold Storage Report issued by the Department of Agriculture.

58589 BECKER, C. A. Variety in eggs in retail stores. Pa. Agr. Expt. Sta. B. 553(sup.2):7-8. Mar.1953. 100 P381
Egg quality.

58590 BERGQUIST, D. H. Functional properties of egg white as influenced by atomization and drying. (Abs.) Iowa State Col. J. Sci. 27:128-129. Jan.1953. 470 Io9

58591 BOTWRIGHT, W. E. Detergent-sanitizers for cleaning eggs. Amer. Egg & Poultry Rev. 15(2):34,36,38. Feb.1953. 47.8 Am38

58592 BRANT, A. W. Egg washing can make you or break you. Amer. Egg & Poultry Rev. 15(2):28,30,32. Feb.1953. 47.8 Am38

58593 BRANT, A. W., NORRIS, K. H., and CHIN, G. A spectrophotometric method for detecting blood in white shell eggs. Poultry Sci. 32:357-363. Ref. Mar.1953. 47.8 Am33P

58594 CANFIELD, T. H. The goose industry awakes. Poultry Processing & Mktg. 59(5):16-17. May 1953. 286.85 Eg3

58595 CASTELLANI, A. G., and others. Roasting time and temperature required to kill food poisoning microorganisms introduced experimentally into stuffing in turkeys. Food Res. 18:131-138. Ref. Mar./Apr.1953. 389.8 F7322
R. R. Clarke, M. I. Gibson, and D. F. Meisner, joint authors.

58596 CONNER, J. W., and others. Experiments with the preparation and storage of turkey steaks. Poultry Sci. 32:208-216. Ref. Mar.1953. 47.8 Am33P
E. S. Snyder, D. MacDougall, and H. L. Orr, joint authors.

58597 CONNER, J. W., SNYDER, E. S., and ORR, H. L. The influence of washing and oiling on grade and bacterial content of eggs stored for a nine month period. Poultry Sci. 32:227-235. Mar.1953. 47.8 Am33P

58598 CRESSWELL, D. M. Sanitizing egg washing. Pa. Farmer 148:296-297,320. Mar.28,1953. 6 P383

58599 DARRAH, L. B., and HENDERSON, P. L. A store display case for eggs. N. Y. Agr. Col. A. E. 849, 7 p. Apr.1953. 281.9 C81

58600 DREWS, H. E. Can you dress and market geese efficiently? Poultry Processing & Mktg. 59(5):13,18,20. May 1953. 286.85 Eg3

58601 DREWS, H. E. Defeather with wax. Elect. Farm Mag. 26(4):20. Apr.1953. 335.8 EL27

58602 DRUCKREY, I. C. A study of egg washing techniques. Amer. Egg & Poultry Rev. 15(2):40,42,46,48, 50-54. Feb.1953. 47.8 Am38

58603 ELIAESON, S. The weeks before Easter are under the sign of the egg. (In Swedish.) Lantmannen 37: 327. Apr.4,1953. 11 L234

58604 FACT FINDING CONFERENCE, 24, KANSAS CITY, MISSOURI, 1953. Workshop reports. Poultry Processing & Mktg. 59(4):14-20,22,28,30,32-34,36. Apr.1953. 286.85 Eg3
Poultry and egg processing and marketing.

58605 FISCHER, C. M. Competition in the marketing of chickens in Oregon. Eggsaminer 30(4):6-7,28-29. Apr.1953. 286.85 Eg32

58606 GALLAGHER, J. D. Mrs. Housewife looks at chicken. (Abs.) Poultry Indus. [Boston] 59(3):19. Mar. 1953. 47.8 N44

58607 GALLUS, R. O. Studieneindrücke aus der geflügel-industrie der U.S.A. Osterr. Kleintierzüchter 8:35-36. Mar.1953. 49 Os7

58608 GOETCHIUS, G. R., BOTWRIGHT, W. E., and LAW, A. B. Development of a detergent-sanitizer for washing eggs. Chem. Spec. Mfr. Assoc. Proc. 39:88-92. Ref. 1952. 307.9 C42
Includes discussion.

58609 GOLDMAN, A. S. Support prices and the poultry industry. Amer. Egg & Poultry Rev. 15(2):61-63. Feb.1953. 47.8 Am38

58610 GORESLINE, H. E. What Federal agencies are doing in poultry dressing sanitation. Food Technol. 7: 150-153. Ref. Apr.1953. 389.8 F7398

58611 GWIN, J. M. Quality loss in shell eggs during storage. Amer. Egg & Poultry Rev. 15(3):19-20. Mar. 1953. 47.8 Am38

58612 HENAULT, N. Previsions sur l'aviculture 1953. Avicult. Quebecois 8:3. Jan./Feb.1953. 47.8 Av55

58613 HUTTAR, J. It's a changing world. Amer. Egg & Poultry Rev. 15(2):64-65. Feb.1953. 47.8 Am38
Poultry and egg marketing.

58614 JAMISON, J. C. Farm care of eggs. Fla. Poultry & Farm J. 19(4):7,11. Apr.1953. 47.8 F66

58615 JOHNDREW, O. F. Let's sell more poultry. Amer. Egg & Poultry Rev. 15(2):83-85. Feb.1953. 47.8 Am38

58616 JOULE, T. L. A Missouri program for increasing the consumption of poultry and eggs. Mo. Poultry Impr. Assoc. Ybk. 1952:8,10,43,45. 47.9 M693

58617 JUDGE, G. G. An econometric analysis of the demand for eggs. Ames,1952. 251 p. 281.347 J89
Thesis - Iowa State College.

58618 JUDGE, G. G. An econometric analysis of the demand for eggs. (Abs.) Iowa State Col. J. Sci. 27:199-201. Jan.1953. 470 Io9

58619 KANTNER, A. H. Poultry prices on the New York City market, 1875-1950. N. Y. (Cornell) Agr. Expt. Sta. B. 888,39 p. Feb.1953. 100 N48C
U. S. Production and Marketing Administration cooperating.

58620 KANTNER, A. H. Variations in size of eggs sold in retail food stores. N. Y. Agr. Col. Farm Econ. 189:4982-4983. Mar.1953. 280.8 C812

58621 KARANTOUNIAS, A. The Greek poultry industry and the means of its improvement. (In Greek.) Ptenotrophikon Delt. 17:6-7. May/Nov.1952. 47.8 P952

58622 KATSOULIS, L., and YANNOPOULOS, TH. The poultry industry in Greece. (In Greek.) Ptenotrophikon Delt. 17:8-12. May/Nov.1952. 47.8 P952
Includes discussion.

58623 KESSAB, M. A. Dried whole egg production. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:141-143. Jan./Mar.1953. 22.5 Ir1

58624 KONINGS, J. G. How do I get the highest price for my eggs? (In Dutch.) Doelmatige Veehouderij 1:172-174. Nov.1952. 49 D67
Quality and care and handling.

58625 LAURENT, C. K. Classes of live poultry sales. N. Y. Agr. Col. Farm Econ. 189:4966-4967. Mar. 1953. 280.8 C812

58626 LAURENT, C. K. Classification of poultry on the New York City live poultry market. N. Y. Agr. Col. Farm Econ. 189:4964-4965. Mar.1953. 280.8 C812

58627 LAURENT, C. K. Monthly sales of live poultry. N. Y. Agr. Col. Farm Econ. 189:4954-4955. Mar.1953. 280.8 C812

58628 LAURENT, C. K. Reporting volumes of poultry received on the New York City live poultry market. N. Y. Agr. Col. Farm Econ. 189:4966. Mar.1953. 280.8 C812

58629 LAURENT, C. K. The use of terminology in New York City live poultry market reports. N. Y. Agr. Col. Farm Econ. 189:4986-4987. Mar.1953. 280.8 C812

58630 MCDANIEL, W. E. Economics of broiler production; bibliography. Del. Agr. Expt. Sta. Dept. Agr. Econ. A. E. 6,10 p. Nov.1952. 281.9 D37

58631 MALY, F. Investigations concerning methods for estimating the value of the carcass of eviscerated fullgrown geese. (In Polish.) Rocz. Nauk Roln. 62:235-267. Ref. 1952. 20.5 R59
English summary.

58632 MENSING, P. G., and MORRIS, C. L. Better broilers processed better. Food Engin. 25:76-78,233-234. Apr.1953. 389.8 F737

58633 MEYER, E. Mineral oil protects egg quality. Poultry Processing & Mktg. 59(5):12,24. May 1953. 286.85 Eg3

58634 MILLER, W. A., and CRAWFORD, L. B. Some factors influencing bacterial penetration of eggs. Poultry Sci.32:303-309. Mar.1953. 47.8 Am33P

58635 MOORE, E. M. What do housewives know about egg quality? N. Y. Agr. Col. Farm Econ. 189:4980-4981. Mar.1953. 280.8 C812

58636 MORRIS, L. There is a place for the small poultry farm; Utah's poultry industry grew up with the one story house. Utah Poultry Co-op. 17(3):3,5. Nov. 1952. 280.28 Ut1

58637 MORRISON, E. M., and GUNN, T. I. Broiler production, a promising new industry. Farm & Home Sci. [Utah Sta.] 14(1):1-2,17-18. Mar.1953. 100 Ut1F

58638 MORRISON, E. M., and GUNN, T. I. Broiler production in Utah; an economic analysis. Utah. Agr. Expt. Sta. B. 359,32 p. Feb.1953. 100 Ut1

58639 MOUNTNEY, G. J., PARNELL, E. D., and HALPIN, R. B. Consumer response to sale of turkey broiler-fryers in Austin, Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1567,3 p. Mar.19,1953. 100 T31P

58640 NASH, A. M., MAYFIELD, H. L., and ODLAND, L. M. Physical, chemical and cooking qualities of eggs as affected by five methods of home preservation. Poultry Sci. 32:275-284. Ref. Mar.1953. 47.8 Am33P

58641 NEUMANN, M. Bessere eierpreise durch standardisierung. Deut. Landwirt.-Gesell. Mitt. 68:314-315. Mar.26,1953. 18 N39

58642 NEW SOUTH WALES. EGG MARKETING BOARD. The twenty-fourth annual report. Poultry Farmer [Sydney] 20(35):2-16. Mar.7,1953. 280.28 Or32

58643 OSTRANDER, C. E. Extra money for eggs. Poultry Tribune 59(4):10-11. Apr.1953. 47.8 P8642
Marketing in New York.

58644 PAULHUS, N. G., and DELLE DONNE, F. P. Modern egg assembly plant. Mktg. Activ. 16(2):8-11. Feb.1953. 1.942 A8M34

58645 POULTRY SUPPLY WORLD. Standard directory and buyer's guide for the hatchery and poultry supply trade, nineteenth annual edition, 1953. Chicago, 1953. 154 p. 225 St23

58646 PURNELL, R. G. This path of progress. Soeast. Poultryman 6(3):6,25-29. Mar.1953. 47.8 So872
Work of the Southeastern Poultry and Egg Association.

58647 RINEAR, E. Why whack them up? Poultry Indus. [Boston] 59(4):5,10,19. Apr.1953. 47.8 N44
Cutting up chickens for retailing.

58648 RINGROSE, A. T. Bruised poultry challenges processor's profits. Amer. Egg & Poultry Rev. 15(3):36, 38-39. Mar.1953. 47.8 Am38

58649 SALA ROCA, E. La avicultura y la Red Frigorífica Nacional. Avicult. Téc. 5:248-249. Jan.1953. 47.8 Av57

58650 SCHOLTYSSEK, S. Beitrag zum waschen von eiern. Deut. Wirtgeflügelzucht. 5:310-312. Ref. Mar.7, 1953. 47.8 D483

58651 SHOEMAKER, J., and ANDERSON, D. The western viewpoint. Amer. Egg & Poultry Rev. 15(3):16, 58. Mar.1953. 47.8 Am38

58652 SHRADER, H. L. Trends in the poultry industry and the hatchery of the future. Amer. Egg & Poultry Rev. 15(2):68-73. Feb.1953. 47.8 Am38

58653 SPINNEY, G. G. Poultry industry opportunities [Great Britain]. Estate Mag. 53:110-112. Mar.1953. 10 Es8

58654 STAFSETH, H. J. Further consideration of the present status of poultry meat inspection. Amer. Vet. Med. Assoc. Proc. 89:310-313. 1952,pub.1953. 41.9 Un3

58655 STAINS, C. H. Egg auctions have not outlived their usefulness! N. J. Farm & Gard. 24(4):72,74,83. Apr.1953. 6 G162

58656 SWANSON, M. H. A proposal for the use of carbon dioxide in retail egg cartons. Poultry Sci. 32: 369-370. Mar.1953. 47.8 Am33P

58657 TERMOHLEN, W. D. Quality versus volume. Washington,U. S. Prod. & Mktg. Admin.,1953. 10 p. 1.944 D2T27
Talk before meeting of the Southeastern Poultry and Egg Association, Atlanta, Jan. 27, 1953, on the broiler industry.

58658 TOIVONEN, E. E. Egg production can be stimulated through lower consumer prices. (In Swedish.) Lantm. och Andelsfolk 26:37-40. Feb.28,1953. 20 L29
In Finland.

58659 TURNBULL, D. M. Government support, is it help or hindrance? Canad. Poultryman 40(3):23-24. Mar.1953. 47.8 C166
Poultry price controls.

58660 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition cash receipts and gross income, chickens and eggs, 1951-1952; chickens on farms, January 1, 1952-1953, by States, by E. S. Kimball, P. W. Smith, and R. F. Moore. Washington,1953. 9 p. 1.9 Ec71Fpc

58661 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition cash receipts and gross income, turkeys, 1951-1952; turkeys on farms, January 1 1952-1953, by States, by E. S. Kimball, P. W. Smith, and R. F. Moore. Washington,1953. 5 p. 1.942 D22T84

58662 U. S. BUR. OF ANIMAL INDUSTRY. Recognized pullorum classes and digest of laws and regulations affecting the sale of hatching eggs, chicks and poults. U. S. Bur. Anim. Indus. A. H. D. 127,rev.,7 p. Feb.1953. 1.9 An52Ah

58663 U. S. PRODUCTION AND MARKETING ADMIN. In-plant chlorination in poultry dressing plants, by M. A. Howe and H. E. Goresline. Washington?1953. 4 p. 1.956 P86In7

58664 U. S. PRODUCTION AND MARKETING ADMIN. List of plants operating under the poultry and poultry products, inspection and grading programs. Washington, 1953. 9 p. 1.956 P86L692

58665 URNER, F. E. Dried-frozen egg situation. Amer. Egg & Poultry Rev. 15(2):92-93. Feb.1953. 47.8 Am38

58666 URNER, F. E. Dried-frozen egg situation. Amer. Egg & Poultry Rev. 15(3):60-61. Mar.1953. 47.8 Am38
Frozen and dried eggs.

58667 WARREN, C. Turkey output must be reduced.. Coop. Poultryman 18(4):18-19. Apr.1953. 47.8 C782

58668 WERNER, G. A., and ROTH, W. D. Photography in a food research laboratory. Biol. Photog. Assoc. J. 21:5-10. Feb.1953. 332.9 B52
Development of the chick embryo and analysis of poultry tissue.

58669 WESTERN AUSTRALIAN EGG MARKETING BOARD. Sixth annual report and accounts for the year ending 30th June, 1952. West Perth,1952. 19 p. 286.85 W524A

58670 WINDHAM, W. J. Hatcheries as a market for Arkansas eggs. Ark. Farm Res. 2:3. Spring 1953. 100 Ar42F

58671 YANNOPOULOS, TH. New-laid eggs. (In Greek.) Ptenotrophikon Delt. 17:17-20. May/Nov.1952. 47.8 P952

RUBBER AND RUBBER SUBSTITUTES

58672 BRITISH RUBBER DEVELOPMENT BD. Rubber in story and pictures. London,1952. 31 p. 78 B772

58673 GERRITSEN, J. C. Rubber in commerce. (In Dutch.) Rubber 8:53-55. July 1952. 78.8 R824

58674 GILS, G. E. VAN. Effect of method of preparation on the technical classification system of rubber. (In Dutch.) Bergcultures 22:63,65,67. Feb.16,1953. 22.5 B45
English summary.

58675 HEINISCH, K. F. Survey of dirt content of natural rubber. India-Rubber J. 124:432-435,442-443. Mar.14,1953. 305.8 In21

58676 HERBETTE, F. Le prix du caoutchouc et les incertitudes de 1953. Rev. Gén. du Caoutchouc 30:165-166. Mar.1953. 305.8 R32

58677 HOEDT, T. G. E., VIPOND, B. O., and KLIPPERT, W. E. Investigation on rubber. (In Portuguese.) Assoc. Com. do Amazonas. B. 13(134):19-22. Sept.1952. 286.9 As7B
Possibilities of development of the industry in Brazil.

58678 JAMNADAS, L. Problems of rubber industry. Rubber India 5:19-21. Jan.1953. 305.8 R829

58679 KALUME, J. Our collaboration in Hevea culture. (In Portuguese.) Assoc. Com. do Amazonas. B. 13(134):14. Sept.1952. 286.9 As7B

58680 PIERIS, W. I. The Small Holdings Department of the Rubber Research Institute of Ceylon. Trop. Agr. [Peradeniya] 108:149-155. July/Sept.1952. 26 T751

58681 SCHALLAMACH, A. Aspects élémentaires de l'abrasion du caoutchouc. Rev. Gén. du Caoutchouc 30: 186-193. Mar.1953. 305.8 R32
English summary, p. 196.

58682 SCHIFF, E. L. C. L'industrie caoutchoutière dans les pays de Benelux. Soc. Belge d'Études et d'Expansion. B. Bimes. 154:125-134. Jan./Feb.1953. 280.8 So17

58683 SIL, S. S. Technical development of rubber industry. Rubber India 5:24-27. Jan.1953. 305.8 R829

58684 SINHA. Cooperation between the rubber industry and the research laboratories. Rubber India 5: 22-23. Jan.1953. 305.8 R829

SEEDS

58685 BOYCE, E. F., and LUTMAN, A. S. The inspection of agricultural and vegetable seeds for 1952. Vt. U. & State Agr. Col. Relat. Serv. Div. Rpt. 23,24 p. Mar.1953. 276 V59Rep

58686 COOPER, A. N. Seed potato certification—a review of the 1951/52 season. Tasmanian J. Agr. 24:56-59. Feb.1,1953. 23 T182T

58687 GILBERT, S. Variations in seed testing. Seed Trade Rev. 5:67-68. Mar.1953. 61.8 Se32

58688 HASTINGS, H. G. Early days in the seed trade of the South. 3. Seed World 72(7):38,40,46. Apr.3,1953. 61.8 Se52

58689 KENNEDY, C. Upgrade your crop for profit; motors transform this seed into a certified product. Elect. Farm Mag. 26(4):6-7. Apr.1953. 335.8 EL27
Processing of hybrid corn seed.

58690 KNUDSEN, A. F. Production and marketing of field and garden seeds in Canada. (In Danish.) Dansk Frøavl 36:94-95. Apr.1,1953. 61.8 D23

58691 KOLK, H. Quality of this year's grain seed. (In Swedish.) Lantmannen 37:249-250. Mar.14,1953. 11 L234

58692 MCNULTY, G. Best buys in grasses; certified seed of the varieties recommended for your locality. Wash. Farmer 78:129. Feb.19,1953. 6 R151

58693 MORGAN, A. E. Industries for small communities; with cases from Yellow Springs. Community Serv. News 11,107 p. Jan./Apr.1953. 281.28 C73
Contains a chapter on the seed and equipment industry.

58694 NEDERLANDSCHE ALGEMEENE KEURINGSDIENST VOOR LANDBOUWZADEN EN AARDAPPELPOOTGOED. 20e jaarverslag van de Nederlandsche Algemeene Keuringsdienst voor Landbouwzaden en Aardappelpootgoed (N.A.K.) over het boekjaar 1951-1952 [20th annual report of the Netherlands General Inspection Service for Agricultural Seeds and Seed Potatoes for the fiscal year 1951-1952]. Wageningen,1952. 134 p. 12 N284

58695 NIELSEN, G., and WRAAE-JENSEN, H. A long view of the seed growing conditions. (In Danish.) Tidsskr. f. Landøkon. 3:117-125. Mar.1953. 11 T43
Prices and export.

58696 OVERAA, P. How is the seed quality at Østlandet this year? (In Norwegian.) Samvirke [Oslo] 48: 128-130. Mar.1,1953. 280.28 Sa4

58697 PETRI, E. M., and STAVERMAN, A. J. Electrochemical properties of lupin seed protein. Faraday Soc. Discuss. 13:151-159. Ref. 1953. 382 F22D

58698 RANDOLPH, C. C. More blue ribbons for Deschutes seeds. Reclam. Era 39:83,87. Apr.1953. 156.84 R24
Ladino clover seed production.

58699 U. S. BUR. OF AGRICULTURAL ECONOMICS. Acreage and production of vegetable seeds in 1952 and 1953. Washington,1953. 8 p. 1.941 S3V52

58700 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Making certified forage seed available to all, by C. S. Garrison and D. Looper. Washington,Jan.24, 1953. 3 p. 1.914 R2R11

58701 U. S. EXTENSION SERV. Report of seed certified in 1952 by State certifying agencies, by J. M. Saunders, comp. Washington,1953? 98 p. 1.913 A2R292

58702 WALLER, E. Analyze your seed. (In Swedish.) Alvsborgs Läns Norra Hushsällsk. Tidskr. 60:8-9. 1953. 11 AL82

SUGAR AND SIRUPS

58703 ACOSTA QUINTERO, F. Sin azúcar no hay pais, equivocados. Tierra Libre 17(3):2-3. Mar.1953. 8 T443
Cuba.

58704 AHLFELD, H. The development of sugar consumption of the principal consuming countries during the last three campaign years. F. O. Licht's Sugar Inform. Serv. Sup. Rpt. 5,10 p. Mar.11,1953. 66.8 L61S
Statistics.

58705 ANDRES. Über das verhältnis von glukose und fruktose im kolonialrohzucker. Zucker 6:133-135. Mar. 15,1953. 65.8 Z82

58706 ANDRES, P. Repetitorium der zuckertechnik. Z. f. die Zuckerindus. 3:113-114. (Cont.) Mar.20,1953. 65.8 D48

58707 ATCHISON, J. E. Bagasse in paper making; a survey of modern practice. So. African Sugar J. 37:81,83, 85,87. Feb.1953. 65.8 So8

58708 BANDINI, M. In the comparison with the white beet the sugar cane is in equalisation. (In Italian.) Agricoltura 2(2):18-22. Feb.1953. 16 Ag8226
English summary.
Sugar industry.

58709 BÖTTGER, S. Betrachtungen über den verlauf der kampagne. Z. f. die Zuckerindus. 3:64-75. Ref. Feb.20,1953. 65.8 D48
English summary.
Chiefly processing.
Includes discussion.

58710 BRIGGS, C. W. Comments on sugar prices. Crystal-ized Facts Sugar Beets 7(2):16-18. Spring 1953. 66.8 C88

58711 BRÖKER, W. Zuckerrübensaft und zuckerrübensirup. III. Niedersächs. Bienenfr. 3:80-82. Mar. 1953. 424.8 N552

58712 BRUKNER, F. Die saturation. Z. f. die Zuckerindus. 3:106-108. Mar.20,1953. 65.8 D48
English summary.
Sugar beet processing.

58713 BULLOCK, K. J. An experimental attempt to determine a mechanical theory on the crushing of sugar cane. Queensland Soc. Sugar Cane Technol. Proc. 20:161-167. 1953. 65.9 Q332

58714 CHEN, W., HSU, T. H., and WANG, P. C. The chemical analysis of Taiwan sugars and molasses (with special comments on the hygroscopicity of sugars and the exhaustation of molasses. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:200-213. Ref. Dec.1952. 65.9 F76R
English summary.

58715 CLAIRE, A. G. Further experiments on the keeping qualities of first expressed juice. Queensland Soc. Sugar Cane Technol. Proc. 20:81-86. 1953. 65.9 Q332

58716 CLAYTON, J. L. Some thoughts on high grade boiling policies. Queensland Soc. Sugar Cane Technol. Proc. 20:87-93. 1953. 65.9 Q332

58717 COLSON, J. Aspects de la prochaine campagne de betterave sucrière dans la région du Cheliff. Rev. Agr. de l'Afrique du Nord 51:266-268. Mar.13,1953. 80 R326

58718 DANKLEFSEN, M. M. Recent trends in the sugar industry of Jamaica. Clark U. Abs. Diss. & Theses 24:14-16. 1952. 241.8 C54

58719 DOOLAN, A. D. The aconitic acid content of Queensland molasses. Queensland Soc. Sugar Cane Technol. Proc. 20:23-28. 1953. 65.9 Q332

58720 DUTT, N. L. Some observations on the sugarcane industry in Madras State. Madras Agr. J. 40:11-13. Jan.1953. 22 M262

58721 EFFERSON, J. N. Economic trends in the Louisiana sugar cane region. Sugar J. 15(10):12,15-16,18. Mar.1953. 65.8 Su391

58722 FELTZ, H. Zuckergehaltsverluste bei der lagerung von zuckerrüben. Z. f. die Zuckerindus. 3:76-77. Feb.20,1953. 65.8 D48
English summary.

58723 FREELAND, E. C. The sugar industry of Peru. Sugar J. 15(11):14,16,18,22-23,40. Apr.1953. 65.8 Su391

58724 GEORGE, L. Sugar cane research at the Louisiana Agricultural Experiment Station. Sugar J. 15 (10):32-39. Mar.1953. 65.8 Su391

58725 GÓMEZ ALVAREZ, F., and TORRELLAS, A. Aspersiones con miel final de la industria en plantaciones de caña de azúcar y su efecto en el rendimiento. Agron. Trop. [Maracay] 2:113-115. July/Sept.1952. 26 Ag87

58726 HASS, H. B. Sugar Research Foundation activities. Calif. Sugar Beet 1952:36-37. 66.9 C12

58727 HATT, H. H., and LAMBERTON, J. A. Sugar cane wax. VII. Queensland Soc. Sugar Cane Technol. Proc. 20:29-41. 1953. 65.9 Q332

58728 HU, Y., HSIEH, W. C., and YANG, C. T. Alphacellulose from bagasse by alkaline-chlorine process. I. (In Chinese.) Taiwan. Sugar Expt. Sta. Rpt. 9:217-237. Ref. Dec.1952. 65.9 F76R
English summary.

58729 INDIAN INSTITUTE OF SUGAR TECHNOLOGY. Final note on the production of sugar directly from cane in vacuum pan factories in India during the season 1951-52. India. Dir. Econ. & Statis. Agr. Situation India 7: 576-578. Jan.1953. 281.9 In23

58730 INTERNATIONAL FEDERATION OF AGRICULTURAL PRODUCERS. The world sugar position. (In Dutch.) Stichting v. de Landb. Meded. 8:73-79. Mar.13, 1953. 12 St5

58731 KEIPPER, C. Commercial yeast production using blackstrap molasses. Sugar J. 15(10):22-23,26-31. Mar.1953. 65.8 Su391

58732 KING, N. J. Expansion of the sugar industry in Queensland. Queensland. Bur. Sugar Expt. Sta. Cane Growers' Q. B. 16:96-98. Jan.1,1953. 65.9 Q3C

58733 KORAB, H. E. Special "bottlers' sugar" developed; 9 tentative standards set. Natl. Bottlers' Gaz. 72(853):25-27. Mar.15,1953. 390.8 N21

58734 KOWKABANY, G. N., BINKLEY, W. W., and WOLFROM, M. L. Amino acids in cane juice and cane final molasses. J. Agr. & Food Chem. 1:84-87. Ref. Apr.1,1953. 381 J8223

58735 LAMBORN, W. D. Sugar—its rise from a standard commodity to a branded food product. Calif. Sugar Beet 1952:30-31. 66.9 C12

58736 LEME, J. Inversion of sucrose in the manufacture of molasses. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(10):50-64. Ref. Oct. 1952. 9.2 M663

58737 LOCKHART, E. E. Sugar: the key sweet. Amer. Bottler 96(628):40,136-139. Apr.1953. 389.8 So8

58738 MACLAY, W. D., and OWENS, H. S. Sugar beet projects at the Western Regional Research Laboratory. Calif. Sugar Beet 1952:40-41,43. 66.9 C12

58739 MALLEA, O. S., VARAS, D., and BLISS, L. R. Acción clarificante sobre jugos de caña de la bentonita coloidal sódica. Tucumán. Estac. Expt. Agr. B. 68,36 p. Dec.1952. Ref. 102.5 T79B
English summary.

58740 MARTIN, S. M. Sugar-beet molasses may provide a new supply of citric acid. Food Canada 13(3): 34,36,38. Mar.1953. 389.8 F7323

58741 MASSAGUES, J. M. Política remolachera. Cult. Mod. 36(2):50-51. Feb.1953. 15 C89
Spain.

58742 MEISNER, F. Es geht nicht ohne zuckerrüben! Bad. Landwirt. Wchnbl. 120(13):296. Mar.28,1953. 18 B142

58743 MYERS, F. I., ed. Gilmore Cuba Sugar Manual. New Orleans,Gilmore,1952. 454 p. 65.8 G42
Directory.

58744 MYERS, L. Our domestic sugar legislation. Calif. Sugar Beet 1952:32-33. 66.9 C12

58745 NICHOLSON, C. M. The sugar beet situation. Mountain States Beet Grower 16(3):10-11. Mar.1953. 280.28 M86

58746 O'BRIEN, C. H. History of the Australian sugar industry. Austral. Sugar J. 44:777,781,783. (Cont.) Feb.16,1953. 65.8 Au7

58747 PARKES, N. A. The fundamental importance of the sugar industry in relation to the development of food industries. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.189-196. Mysore,1952. 389 M992

58748 PERILA, O. Fine paper pulp from bagasse. (In Finnish.) Paperi ja Puu. B 35:29-34. Ref. Feb.15, 1953. 302.8 P1991
English summary.

58749 QUEENSLAND SOCIETY OF SUGAR CANE TECHNOLOGISTS. Proceedings of the twentieth conference,Innisfail, Queensland, from 11th to 17th March, 1953. Brisbane,1953. 198 p. 65.9 Q332

58750 ROMAN, F., and PIÑERO, M. Estudio económico sobre el arrastre de la caña de azucar en camiones: Puerto Rico, 1948-1949. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 18,9 p. Apr.1952. 100 P83Es

58751 SCHNEIDER, F. Über die temperaturführung bei der saftgewinnung und das problem der rücknahme der diffusionswässer. Zucker 6:73-81. Feb.15,1953. 65.8 Z82
Sugar beet processing.

58752 SHANN, D. S. Juice flow measurement. Queensland Soc. Sugar Cane Technol. Proc. 20:175-180. 1953. 65.9 Q332

58753 SOCIÉTÉ COOPERATIVE DES PRODUCTEURS DE SUCRE D'ERABLE DE QUEBEC. Rapport des activités du Département de Chimie année 1952. Abeille et l'Erable 22(ser.2):38-39. Mar.1953. 424.8 Ab32

58754 THIES, H. Werdegang und eigenschaften des zuckers; die stoffliche zusammensetzung der zucker. Deut. Bienenwirt. 4:32-33. Feb.1953. 424.8 D489

58755 TROJE, E. Die derzeitige zuckerwirtschaft und ihre auflockerung. Z. f. die Zuckerindus. 3:75-76. Feb.20,1953. 65.8 D48
English summary.

58756 UNITED STATES CUBAN SUGAR COUNCIL. Sugar facts and figures, 1952. Washington,1952. 175 p. 286.365 Un36

58757 U. S. PRODUCTION AND MARKETING ADMIN. USDA reports deliveries of sugar, dextrose, and corn sirup for October-December and the calendar year 1952. Washington,1953. 19 p. 1.956 A2Un376

58758 U. S. PRODUCTION AND MARKETING ADMIN. U. S. grades for edible sugarcane molasses and the Federal grading services. Washington,1953. 6 p.-folder. 1.956 Su3Un32

58759 U. S. PRODUCTION AND MARKETING ADMIN. U. S. grades for refiners' sirup and the Federal grading services. Washington,1953. 6 p.-folder. 1.956 Su3Un33

58760 VANDENBERG, H. The application of a "dirt-correction" factor when using juice scales. Queensland Soc. Sugar Cane Technol. Proc. 20:95-96. 1953. 65.9 Q332

58761 VENTON, C. B. Notes on the drying of raw sugar. Queensland Soc. Sugar Cane Technol. Proc. 20: 141-151. 1953. 65.9 Q332

58762 WEIBULL, N. The Weibull raw sugar silo. Queensland Soc. Sugar Cane Technol. Proc. 20:43-50. 1953. 65.9 Q332

TOBACCO

58763 BRADFORD, M. S. The tobacco industry in Prince George County, Maryland. Clark U. Abs. Diss. & Theses 24:50-51. 1952. 241.8 C54

58764 CIFERRI, R. Break down of protidic nitrogen in leaves of air-dried Burley tobacco. (In Italian.) Tabacco 57(642):3-10. Jan.1953. 69.8 T115

58765 CIFERRI, R. Darkening of Virginia bright during processing. (In Italian.) Tabacco 57:35-44. Ref. Feb.1953. 69.8 T115

58766 HARLAND, R. B. Flue-cured tobacco; hints on handling and grading. Rhodesian Farmer, Jan.28,1953:11-14-15;Feb.4,1953:12. 24 R347

58767 HEGGESTAD, H. E., and BOWMAN, D. R. Burley tobacco quality, yield and chemical composition as affected by time of harvest. Tenn. Agr. Expt. Sta. B. 230, 27 p. Ref. Mar.1953. 100 T25S

58768 JANUŠKOVSKI, A. Vue sur la question des tabacs bruts dans les manufactures de tabac. (In Serbo-Croatian.) Duvan 3:394-397. Jan.1953. 69.8 T88

58769 MCCHLERY, R. Tainting of tobacco by a dichloropropene-dichloropropane soil fumigant. Nature [London] 171:578. Mar.28,1953. 472 N21

58770 MAIJER, M. 50 years of the Organization of the Tobacco Trade, Amsterdam. (In Dutch.) Tabaksplant 80:27-29. (Cont.) Mar.3,1953. 286.89 T114

58771 MALICORNET, H. Innovations dans le sechage des tabacs en feuilles. Potasse 27:53-56. Mar.1953. 57.8 P84

58772 MEISNER, F. Start zum jahrgang 1953. Bad. Landwirt. Wchnbl. 120:279. Mar.21,1953. 18 B142
Tobacco industry.

58773 MULLER, H. Badischer tabakbau auf sinkender basis. Bad. Landwirt. Wchnbl. 120(13):299. Mar.28,1953. 18 B142

58774 MUNCK, C. Cultures industrielles en Algérie. Soc. Belge d'Études et d'Expansion. B. Bimes. 154:10-15. Jan./Feb.1953. 280.8 So17
Tobacco and cotton industries.

58775 OKUMA, K. Studies on the grading of leaf tobacco. I. (In Japanese.) Hatano Tobacco Expt. Sta. B. 36:43-55. Mar.1952. 69.9 J27
English summary.

58776 PARIKH, M. A. Indian tobacco. Output 7:42-44. 1953. 286.8 Ou8
The industry.

58777 RAJARATNAM, T. C. The tobacco industry in Ceylon. Rev. Internatl. des Tabacs 28:51,53,55,57,59. Mar.1953. 69.8 R324

58778 REY, P. Le hachage. Rev. des Tabacs 28(201): 31-34. Spring 1953. 69.8 R329

58779 ROYSTER, F. S. The tobacco farmer and the distributor. N. A. T. D. Co-ordinator 12:324-325. Mar. 1952. 286.89 N11
Includes production control, price supports, and taxes.

58780 STAUB, M., and FURRER, H. Kritische untersuchungen über die nikotinbestimmungsmethoden in tabak. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 43:490-498. 1952. 389.9 Sw6

58781 STREET, O. E., and WINN, P. W. Tobacco, its history, production, and marketing. Amer. Oil Co. Farmer's J. & Almanack 1953:32-33,35-37,39-40. 30.3 Am33

58782 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Price supports—Maryland tobacco. Hearing, 83d Cong., 1st sess. on H. R. 1432, a bill to provide price support for the 1952 crop of Maryland tobacco, March 16, 1953. Washington,1953. 41 p.

58783 U. S. PRODUCTION AND MARKETING ADMIN. Flue-cured tobacco market review 1952-53 season (1952 crop). Washington,1953. 46 p. 1.9 Ec714T

58784 WEGNER, E. Zur anwendung der papierchromatographie für aufgaben der tabakforschung. Tabak-Forsch. 10:1-3. Ref. Mar.1953. 69.8 T116

58785 WURMAN, H. P. Selection, curing and blending of cigar tobaccos. N. A. T. D. Co-ordinator 12:232,234, 245. Mar.1952. 286.89 N11

MISCELLANEOUS PRODUCTS

58786 ALVES IGLESIAS, J. La sal y su empleo en la industria de conservas. Ion 13(138):14-20. Ref. Jan. 1953. 385 Io6
Fish salting.

58787 ANDREWS, A. C. The opium poppy as a food and spice in the classical period. Agr. Hist. 26:152-155. Ref. Oct.1952. 30.98 Ag8

58788 BOESEN, V. There's hop in this crop. Nation's Business 41(4):44-45,48,51. Apr.1953. 286.8 N212
The hops industry.

58789 BRONS, H. Freiheit oder lenkung des deutschen hopfenhandels? Brauwelt 25:316-317. Mar.27,1953. 390.8 B732

58790 BRUNK, M. E. Marketing our growing production. Colo. Flower Growers Assoc. B. 42:1-6. Apr.1953. 81 C715

58791 DEWBERRY, E. B. Shell-fish for human consumption. II. Food Mfr. 28:149-151. Apr.1,1953. 389.8 F736
Processing.

58792 FOSSUM, M. T. A census report of horticultural specialties in selected market areas. Florists' Exch. 120(15):12-13. Apr.11,1953. 80 F666
Ornamental plants.

58793 GARDNER, R. G., and MITCHELL, T. J. Through-circulation drying of seaweed. I. J. Sci. Food & Agr. 4:113-129. Ref. Mar.1953. 382 So12

58794 GOERL, G. F. A million dollar hop yard. Hopper 9(12):2-4. Mar.1953. 70.8 H77
Acme Breweries, hop ranch near Yuba, Calif.

58795 LOVE, H. T., COWGILL, W. H., and HOPP, H. Test of a proposed method of sampling Cinchona bark for fluorometric analysis for quinine. Amer. Soc. Hort. Sci. Proc. 60:279-282. Dec.1952. 81 So12

58796 MANDL, B. Hopfen der ernte 1952. Brauwelt 25:320-321. Mar.27,1953. 390.8 B732
Analysis in Germany.

58797 PUTNAM, R. C. The chemistry of vegetable tannins. VI. Amer. Leather Chem. Assoc. J. 48:125-132. Mar.1953. 303.9 Am32

58798 SAHLMANN, A. Freiheit oder lenkung des hopfenhandels? Brauwelt 21:260-262. Mar.13,1953. 390.8 B732
The industry in Germany.

58799 SHARP, J. G., and MARSH, B. B. Whalemeat: production and preservation. Gt. Brit. Dept. Sci. & Indus. Res. Food Invest. Spec. Rpt. 58,47 p. Ref. 1953. 389.9 G792

58800 SHEEHAN, T. J. Low temperature storage. South. Florist & Nurseryman 66(2):13-14. Mar.27,1953. 80 So86
Cut flowers.

58801 STIEGLER, C. Marktordnung in der hopfenwirtschaft? Brauwelt 24:305-306. Mar.23,1953. 390.8 B732
Germany.

58802 U. S. BUR. OF AGRICULTURAL ECONOMICS. Stocks of hops, March 1, 1953. Washington,1953. 1 p. 1.941 S8H77

58803 VARIER, N. S. Production and processing of fish in the Travancore—Cochin State. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.249-264. Mysore,1952. 389 M992

58804 VON OPPENFELD, H. The retail florist business. N. Y. Agr. Col. Farm Econ. 189:4952-4953. Mar.1953. 280.8 C812
Statistical.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

58805 ASHWORTH, W. A short history of the international economy, 1850-1950. London,Longmans,1952. 256 p. 280 As32
Contains references to agriculture for which the index should be consulted.

58806 THE BRAZILIAN economy in 1952; outlook for 1953. Conjuntura Econ., Mar.1953,86 p. 280.8 C7652
Includes agriculture.

58807 FENIZIO, F. DI. The "matrix" reveals the structure of Italian economy. Rev. Econ. Cond. Italy 7: 87-98. Mar.1953. 280.8 R3236
Includes the relation of industry and agriculture.

58808 FILENI, E. From E.R.P. to M.S.A.: European economic and political integration. (In Italian.) Mondo Agr. 4(12):4. Mar.22,1953. 16 M74

58809 FRANCISCO, D. L. This is our native land. Agr. & Indus. Life 15(2):2-3. Feb.1953. 25 Ag8
Economic conditions in the Philippines.

58810 GALBRAITH, J. K. Need farmers fear a depression? Farm Policy Forum 6(3):7-12. Mar.1953. 281.8 F2274

58811 LA LIAISON entre l'agriculture et l'industrie. Chim. & Indus. 69:527-528. Mar.1953. 383 C42

58812 LOPATIN, G. Yugoslavia on the road to an economic crisis. (In Russian.) Vneshn. Torg. 22(12):11-20. Dec.1952. 286.8 F762
Includes agriculture.

58813 LOPEZ MARINO, M. La solución del problema económico de Bolivia. Gac. Campesina 1:58-69. Aug. 1952. 281.28 G11

58814 PAARLBERG, D., and BAKER, J. D. How well can economists predict? N. Y. Agr. Col. Farm Econ. 189:4955-4959. Mar.1953. 280.8 C812

58815 POTENZA. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Economic characteristics of the Province of Potenza. (In Italian.) Sintesi Econ. 5:37-51. Jan.1953. 280.8 Si6
Includes agriculture.

58816 UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. Thèses de sciences sociales; catalogue analytique international de thèses inédites de doctorat, 1940-1950. Theses in the social sciences; an international analytical catalogue of unpublished doctorate theses, 1940-1950. Paris,1952. 236 p. 241.8 Un39
Includes agricultural economics and rural legislation.

58817 WESTERMARCK, N. Agricultural economic survey of the year 1952. (In Swedish.) Lantm. och Andelsfolk 26:3-7. Jan.31,1953. 20 L29
In Finland.

58818 ZMEEV, A. Economy and foreign trade of Pakistan. (In Russian.) Vneshn. Torg. 22(12):34-39. Dec.1952. 286.8 F762
Includes agriculture.

AGRICULTURAL FINANCE

58819 ASHE, H. J. Depreciation charges on the poultry farm. Everybodys Poultry Mag. 58(4):7,30. Apr.1953. 47.8 F213P

58820 BACK, W. B. Firm-household interdependence on low income farms, with particular emphasis on production decisions, capital accumulation, and research methodology. (Abs.) Iowa State Col. J. Sci. 27:124-125. Jan.1953. 470 Io9

58821 BUTZ, D. E. Methods of financing. In Farm Foundation. Increasing understanding of public problems and policies, p.64-68. Chicago,1952. 275.2 F223
Government.

58822 GOUVERNEUR, F. La femme et le budget familial rural. Fiches Rur. 90:17-20. Apr.1953. 281.8 F44
France.

58823 NISHIO, K. Role of public finance on regional economy of Hokkaidō. (In Japanese.) Nōgyō Sōgō Kenkyū 7:59-95. Jan.1953. 22.5 N687

58824 TRYGGVASON, S. Economic position of farmers in Iceland. (In Norwegian.) Nord. Lantbrekon. Tidskr. 3:23-25. 1953. 281.8 N75

58825 UNION OF SOUTH AFRICA. BUR OF CENSUS AND STATISTICS. Agricultural census—No. 24, census year 1949-50. Special report series No. 21. Cost of certain farming requirements. Pretoria,1952. 29 p. 270 So87L
Expenditures by localities.

58826 WELLS, O. V. How much capital does agriculture need? Farm Policy Forum 6(3):21-22. Mar.1953. 281.8 F2274

Credit

58827 ABB, F. Uberprüft gründlich die kreditgewährung eurer BHG [Bäuerliche Handelsgenossenschaft]. Demokratische Dorf 2(12):18-20. Dec.1952. 281.8 D39
Russian Zone of Germany.

58828 BANCO DE FOMENTO AGROPECUARIO DEL PERU. Memoria ejercicio 1951-1952. Vida Agr. [Lima] 30(350):87,89,91,93-103. Jan.1953. 9.8 V66

58829 BLACK, J. D. Who needs farm credit? Farm Policy Forum 6(3):23-25. Mar.1953. 281.8 F2274

58830 BROWN, A. G. Commercial banking and agricultural credit. Natl. Grange Mon. 50(4):18-19,33. Apr. 1953. 6 N215

58831 CAISSE GENERALE D'EPARGNE ET DE RETRAITE. The activity of the "Caisse Générale d'Epargne et de Retraite" in the field of agricultural credit. n.p.,1952. 8 p. 284.29 C128

58832 CAVERHILL, K. J. Discussion on principle and practice in the provision of agricultural credit. Farmer [Kingston] 57:20-23. Jan./Mar.1953. 8 J223

58833 COOKE, R. G. A banker's outlook on feed credits. Feed Age 3(4):47-48. Apr.1953. 389.78 F327

58834 CROULEY, D. E. Livestock industry and agricultural credit. (Excerpts.) Com. West 105(16):15-16,30. Apr.18,1953. 286.8 C733

58835 DANSKE LANDMANDSBANK. Report [of the Danish Farm Bank] for the 81st financial year 1952. Copenhagen,1952. 14 p. 284.9 C782

58836 DUGGAN, I. W. Credit, a farming tool. Natl. Grange Mon. 50(4):10-12,26. Apr.1953. 6 N215

58837 DUGGAN, I. W. What credit machinery is required? Farm Policy Forum 6(3):26-30. Mar.1953. 281.8 F2274

58838 FROKER, R. K. Farm credit—the problem. Farm Policy Forum 6(3):20-21. Mar.1953. 281.8 F2274

58839 GERMANY. STATISTISCHES BUNDESAMT. Die boden- und kommunalkreditinstitute im Dezember und im jahre 1952. Germany. Statis. Bundesamt. Statis. Ber. VII/8/43,14 p. Feb.19,1953. 265 V58

58840 HOBSTETTER, E. Banks and broilers. Ohio Banker 46:6,16. Mar.1953. 284.8 Oh3

58841 IRWIN, J. W. Getting results from country bank advertising. Burroughs Clearing House 37(7):36-37, 86-88. Apr.1953. 284.8 B94

58842 ITO, Y. The role of the Hypothek Bank of Japan in the economic development in Japan. (In Japanese.) Nōgyō Keizai Kenkyū 24:859-873. Feb.1953. 281.8 N68

58843 JOHNSON, V. W. The lender's problem. Farm Policy Forum 6(3):30-32. Mar.1953. 281.8 F2274

58844 KASS, L. Die vertragshilfe. Dreschen u. Pflügen 8(3):7-8. Mar.15,1953. 58.8 D81
Germany.

58845 KERR, A., and others. An inquiry into the credit needs of the small market gardener, 1950-51. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:1-58. 280.29 H78
M. L. Laverick, G. Hemingway, and R. Clark, joint authors.

58846 KRISTJANSON, B. H. Credit rationing in agriculture. N. Dak. Agr. Expt. Sta. Bimon. B. 15:146-149. Mar./Apr.1953. 100 N813B

58847 LUTTRELL, C. B. Credit—tool or burden? Livestock Wk. 7(17):10-13. Feb.26,1953. 49 L753

58848 MARANI, C. The work of the Federal Agricultural Credit Institute for the Piedmont, for rice culture in the Piedmont. (In Italian.) Conv. Naz. della Risicolt. Atti Uffic. 1:113-121. 1952. 59.9 C7623

58849 MEDICI, G., and ROSI, M. The amortization of sums advanced by the Maremma Society for the sake of land assignees. (In Italian.) Italia Agr. 90:102-106. Feb.1953. 16 It1
Under the land reform.

58850 MUDALIAR, M. S. P. Reorganisation of village credit societies. Madras J. Co-op. 44:448-450. Feb.1953. 280.28 M26

58851 MULLER-REHFELD. Der langfristige kredit in Niedersachsen. Hannoversche Land- u. Forstwirt. Ztg. 106:339-340. Mar.14,1953. 18 H194

58852 PAGANI, L. Credit needs in agricultural cooperation. (In Italian.) Agr. delle Venezie 7:18-23. Jan.1953. 16 Ag826

58853 REMILLARD, L. A look at Canada's caisses populaires. Burroughs Clearing House 37(7):34-35,88. Apr.1953. 284.8 B94

58854 RURAL BANK OF NEW SOUTH WALES. 1952 annual report. Sydney,1952. 26 p. 284.9 R88

58855 SAMBERGS, A. Indebtedness of agriculture. (In Swedish.) Svensk Jordbrforsk. 1953:253-265. 11 J763

58856 STEWART, C. E. Alternative methods of obtaining adequate resources in the development of irrigated farms. (Abs.) Iowa State Col. J. Sci. 27:259-261. Jan.1953. 470 Io9

58857 TILSON, C. W. Greater progress is possible through sound financing. Soeast. Poultryman 6(3):8,23-25. Mar.1953. 47.8 So872

58858 TIMM, T. R. Banks and the farm price decline. Banking 45(10):64,114. Apr.1953. 284.8 Am3

58859 U. S. DEPT. OF AGRICULTURE. SOLICITOR. Compilation of laws, executive orders, and regulations applicable to Commodity Credit Corporation, an agency of the United States. Washington,1952. various pagings. 1.918 C73

58860 U. S. FARM CREDIT ADMIN. Production Credit Associations; summary of operations calendar year 1952. Washington,1953. 21 p. 1.955 P2Su6

58861 U. S. FARMERS HOME ADMIN. The Farmers Home Administration, types of loans. Vincennes,Ind., 1953? 1 p. 1.949 F2253

58862 WALL, N. J. Looking ahead. Washington,U. S. Bur. Agr. Econ.,1953. 5 p. 1.941 F2W15
Presented at meeting of the Agricultural Commission of the American Bankers Association, Houston, Mar. 12, 1953.
Financing agriculture.

58863 WESTRA, T. L. Livestock price skid effect on bank loans. Banking 45(10):66-67. Apr.1953. 284.8 Am3

Income

58864 HURD, E. B., and BROUGH, O. L. Gross farm income in the wheat-pea area of Washington and Idaho, 1939 to 1950. Wash. Agr. Expt. Sta. C. 213,63 p. Mar. 1953. 100 W27S
Crops and livestock production and income.

58865 KUZNETS, S. S., and JENKS, E. Shares of upper income groups in income and savings. New York, 1953. 725 p. (National Bur. of Econ. Res. Pub. 55) 284 K962S
Includes farm population.

58866 NEBIKER, H. Das haushaltungseinkommen in landwirtschaftlichen buchhaltungen und buchhaltungserhebungen. Schweiz. Landwirt. Monatsh. 31:100-116. Mar. 1953. 17 Sch93

58867 NORCROSS, H. C. Farmers' cash receipts, by States from what they sold. Agr. Situation [Washington] 37(4):3-4. Apr.1953. 1 Ec7Ag

58868 SELTZER, R. E. Arizona agriculture's greatest year; cash farm income was $423,000,000. Prog. Agr. Ariz. 5:7. Apr./June 1953. 6 P9452

58869 SJÖSTRAND, J. The income distribution of 1951. (In Swedish.) Sweden. Statis. Centbyrån. Statis. Tidskr. 2:17-27. Jan.1953. 257.3 St2S
Some tables also in English.
Includes farm income.

58870 U. S. BUR. OF AGRICULTURAL ECONOMICS. Cash receipts and value of home consumption by States, 1924-51. Washington? 1952. 40 p. 1.941 F2C26
Statistics.

58871 WELLS, O. V. The recession in farm income. Co-op Grain Q. 11:41-43. Mar.1953. 280.28 C7898

Insurance

58872 ALVAREZ MERINO, M. El Condado de Treviño en primera linea del mutualismo puro. Agr. Burgalés 20(211):5-6. July 1952. 15 Ag86

58873 BECKERICH, A. Assurances sociales agricoles et métayage; comment calculer le partage de la cotisation. Agr. Prat. 117:63-64. Feb.1953. 14 J82
France.

58874 BOWERS, R. D. When lightning strikes—and kills farm animals. Rur. New-Yorker 103:258-259. (Cont.) Apr.4,1953. 6 R88
Insurance of livestock against death or injury from lightning.

58875 CASTAGNOLI, A. Estimation of hail damage to Nostrano del Brenta tobacco. (In Italian.) Genio Rur. 16:69-80. Feb.1953. 281.8 R522

58876 ELLICKSON, J. C., and BOTTS, R. R. Ways to cut insurance costs. N. C. Dept. Agr. Agr. Rev. 28 (6):2. Mar.15,1953. 2 N81Ag

58877 FRANCESCHI, A. V. Como determinar cuando está cubierto por el seguro social un trabajador agricola. Rev. del Café 8(7):30-31. Feb.1953. 8 R3295
Puerto Rico.

58878 FRANÇOIS, J. Problèmes de mutualité sociale agricole. Fiches Rur. 90:25-28. Apr.1953. 281.8 F44
France.

58879 GEREMIA, G. Health insurance for owner-operators. (In Italian.) Agricoltura 2(2):40-42. Feb. 1953. 16 Ag8226

58880 HARVEY, G. R. Insurance laws revamped. Hoosier Farmer 38(4):9-10,24. Apr.1953. 280.28 H76

58881 RABOFSKY, E. Der gesetzliche unfallschutz in der landwirtschaft. Landarb.-Arch. 8:45-49. Feb. 1953. 283.8 L23
Austria.

58882 RUTLEDGE, G. F. Why you should write hail insurance. Nowest. Banker 58(789):41-43. Apr.1953. 284.8 N81

58883 SAVOINI, V. Consolidation for agricultural insurance. (In Italian.) Previdenza Sociale nell'Agr. 4: 3-8. Jan.1953. 281.8 P92
Italy.

58884 TINLEY, H. L. What would your widow do? Capper's Farmer 64(4):37,88. Apr.1953. 6 M693
Life insurance for the farmer.

58885 UNION DES CAISSES CENTRALES DE LA MUTUALITÉ AGRICOLE. Caisse centrale d'allocations familiales mutuelles agricoles. Petit guide des prestations familiales agricoles. Ed. 3. Paris,1952. 56 p. 284.6 Un3983P

58886 U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your corn investment. U. S. D. A. PA-218,4 p.-folder. Feb.1953. 1 Ag84Pro
Crop insurance.

58887 U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your tobacco investment. U. S. D. A. PA-220,4 p.-folder. Feb.1953. 1 Ag84Pro
Crop insurance.

Taxation

58888 BARGE, J. Apiculture et fiscalité: en marge des projets de réforme fiscale. Gaz. Apic. 54:72. Mar. 1953. 424.8 G25
Taxes and subsidies in France.

58889 HALCROW, H. G. The Connecticut tax system. Conn. (Storrs) Agr. Expt. Sta. B. 292,23 p. Sept.1952. 100 C76S

58890 HART, S. H., and ROE, D. W. Income tax effects of X-disease. Cattleman 39(11):134-136. Apr. 1953. 49 C29

58891 HART, S. S. Livestock tax facts. Breeder-Stockman 14(11):14-17,20+. Apr.1953. 49 V81

58892 KIVIVUORI, L. Taxable income of Finnish farmers. (In Swedish.) Nord. Lantbrekon. Tidskr. 3:18-22. 1953. 281.8 N75

58893 KOHLMEYER, J. B. Problems and alternatives. In Farm Foundation. Increasing understanding of public problems and policies, p.49-63. Chicago,1952. 275.2 F223
Taxation and the Federal budget.

58894 LICHT, F. O. Sugar import duties and consumption taxes of the European countries. F. O. Licht's Sugar Inform. Serv. 85(2),8 p. Mar.3,1953. 66.8 L61

58895 MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION DIV. AGRICULTURAL ECONOMICS DEPT. Farmer's 1952 income tax. East Lansing,1952. 32 p. 275.2 M582

58896 MILLER, J. R. If your income-tax return is questioned, what records will you need? Successful Farming 51(4):37,68-69. Apr.1953. 6 Su12

58897 MORINI, M. Farmers and the Vanoni module. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:53-54. Feb.1953. 16 C72
Declarations of earnings for tax purposes.

58898 MOSER, R. E., and others. Farmer's 1952 income tax. Maine. Agr. Col. Ext. B. 426,28 p. Nov.1952. 275.29 M281B
P. L. Putnam, V. B. Hart, and E. P. Callahan, joint authors.

58899 POLIKOFF, H. Some effects of State and Federal taxes on the ice cream industry. Internatl. Assoc. Ice Cream Mfr. Rpt. Proc. 48(3):28-33. 1952. 389.9 In83

58900 STRUNZ, H. Einkommen- und umsatzsteuerbescheide überprüfen! Salzburger Bauer 8(7):6-7. Feb. 12,1953. 19 Sa3

58901 STRUNZ, H. Stempelgebühren bei pachtvertragsabschlussen. Salzburger Bauer 8(15):9-10. Apr.9, 1953. 19 Sa3

58902 STRUNZ, H. Wie man einkommen- und umsatzsteuerbescheide prüft. Burgenländische Bauernbündler 6(5):9. Mar.10,1953. 19 B91

58903 TUCCI, M. Fiscal policy and recent tax trends in agriculture. (In Italian.) Conv. Naz. della Risicolt. Atti Uffic. 1:90-96. 1952. 59.9 C7623

58904 U. S. EXTENSION SERV. Iowa leadership conferences report. Washington,1952. 14 p. 1.913 C3C78
Mainly taxation of farm cooperatives.

58905 WAAS, G. J. Effects of the new cooperative tax law. n.p.,1952. p.14-28. 284.5 W11

AGRICULTURAL LABOR AND WAGES

58906 ARNOLD, W. Die entwicklung des Allgemeinen Melkerbundes. Bl. f. den Melker, p.1. In Unser Milchvieh 5(3). Mar.1953. 43.8 Un7

58907 ÅSTRAND, H. Measurements of productivity in agriculture. (In Swedish.) Nord. Lantbrekon. Tidskr. 3: 26-32. 1953. 281.8 N75
Labor.

58908 BECKERICH, A. Les délais-congés ou préavis pour les cadres d'exploitation agricole. Agr. Prat. 117: 112. Mar.1953. 14 J82
France.

58909 BERGLUND, N. Labor and machinery problems in agriculture. (In Swedish.) Svensk Jordbrforsk. 1953:7-15. 11 J763

58910 BEUTMANN, G. Zum problem der arbeitsproduktivitätsmessung in der landwirtschaft. Deut. Landwirt. 4:6-8. Jan.1953. 18 D4822
Russian Zone.

58911 BRANSTON, B. Time and motion on the farm. London,Faber and Faber,1953. 123 p. 281 B734

58912 CERNOWSKY, W. Das gesetz im schatten. Landwirtschaft 5/6:82-83. Mar.1953. 19 L235
Labor in Austria.

58913 CHILD, R. B., VAHER, V., and WARREN, S. W. The labor force on efficient Northeastern farms. N. Y. Agr. Col. Farm Econ. 189:4987-4988. Mar.1953. 280.8 C812
In New York and Pennsylvania.

58914 COLLINET, M. The structure of the employee classes in France during the last fifty years. Internatl. Labour Rev. 67:211-235. Mar.1953. 283.8 In8
Includes agricultural employment.

58915 DENMARK. STATISTISKE DEPT. Arbejdsløsheden, 1951. Unemployment 1951. Denmark. Statis. Dept. Statis. Meddel. (ser.4)150(1),111 p. 1953. 257.1 St2M
Table of contents and tables also in English.
Includes farm labor.

58916 DEUTSCHES WIRTSCHAFTSINSTITUT. Die soziale lage der werktätigen bauern und landarbeiter in Westdeutschland unter besonderer berücksichtigung der lage der frauen. Deut. Wirtinst. Ber. 4:1-12. Jan. 1953. 280.9 B453
Labor conditions.

58917 DIJKSTRA, J. Land improvement time and motion study by the Netherlands Heath Society. II. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:36-39. Feb.1953. 12 N282

58918 FARM workers: how scarce can they get? The number of farm tractors is rapidly approaching the number of farm workers. Who'll do the driving? Impl. & Tractor 68(7):102-103. Mar.28,1953. 58.8 W41

58919 FARMER, S. A national health service for the farm; the wider experience and superior equipment of the contract sprayer may outweigh the advantages of home-treatment. Power Farmer 10:121,149. Apr.1953. 58.8 P872

58920 GORBITZ R., A. La agricultura peruana en 1952. 1. Peru. Dir. Gen. de Com. Inform. Com. 4(37):8-13. Jan.1953. 286.9 P432

58921 GRABO, P. Arbetstiden för kvinnor i jordbrukarhushåll [Working hours of women in farm households]. Jordbr. Utredningsinst. Meddel. 2,18 p. 1952. 11 St63M

58922 GRETER, K. Die sicherung des arbeitsplatzes in neuer sicht. Schweiz. Landarb. 6:1-2. Mar.15,1953. 17 Sch98

58923 HAAK, A. Notwendige überlegungen zur nachwuchswerbung für den melkerberuf. Bl. f. den Melker, p.2-3. In Unser Milchvieh 5(3). Mar.1953. 43.8 Un7
Germany.

58924 HARDY, J. Comment réduire les frais de main-d'oeuvre. Avicult. Québecois 8(3):21,23-24. Mar. 1953. 47.8 Av55

58925 HATESAUL, E. Neue landarbeiterlöhne ab 1. März. Hannoversche Land- u. Forstwirt. Ztg. 106:250. Feb.28,1953. 18 H194

58926 HECHT, R. W., and MORGAN, Q. M. Labor and power used for farm enterprises, Pennsylvania, 1950. U. S. Bur. Agr. Econ. F. M. 102,32 p. Feb.1953. 1.941 L6F22

58927 HITTORFF, A. P. Der einsame, unromantische cowboy. Übersicht 4:255-258. Mar.1953. 18 Ub3

58928 HULL, D., and YOERGER, R. How much for custom work in 1953? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:165-167. Mar.1953. 275.28 Io94

58929 INTERNATIONAL LABOUR OFF. Year book of labour statistics, 1951—52, twelfth issue. Geneva, 1952. 359 p. 283.9 In8Ye
Includes labor and wages in agriculture.

58930 KASCH, W. Die messungen der arbeitsproduktivität in der landwirtschaft (diskussionsbeitrag). Deut. Landwirt. 4:9. Jan.1953. 18 D4822
Russian Zone.

58931 LEITNER, H. Landarbeiterkammerwahlen in der Steiermark. Landarb.-Arch. 8:37-40. Feb.1953. 283.8 L23

58932 NOVELLI, N. The conquest of eight hours. (In Italian.) Riso 2(3):12-13. Mar.1953. 59.8 R49
Rice labor.

58933 PATEL, S. J. Agricultural labourers in modern India and Pakistan. Bombay,Current Book House, 1952. 169 p. 283 P27

58934 PETRICEVIC, J. Verwendung der arbeitskräfte in belgischen bäuerlichen betrieben. Agrarpolit. Rev. 9:266-271. Mar.1953. 281.8 Ag824

58935 PUERTO RICO. DEPT. OF LABOR. EMPLOYMENT SERV. Puerto Rico post season farm labor report, 1952. San Juan?1952. 22 p. 283.9 P966

58936 RIGAUT, P. Régime du travail des salariés des exploitations agricoles. Tarn-et-Garonne Agr. 16:36-37,54-55. (Cont.) Feb.-Mar.1953. 14 T17

58937 ROMATIF, F. La crise rurale et les chretiens. Mon Village 102:8-9,18. Apr.1953. 14 M743
Unemployment.

58938 ROSENKRANZ. Der arbeitseinsatzplan in den landwirtschaftlichen produktionsgenossenschaften. Deut. Landwirt. 4:1-5. Jan.1953. 18 D4822
Russian Zone.

58939 ROSENKRANZ, and BURKERT. Der einfluss der gemeinsamen feldbestellung auf die arbeitsbelastung der bäuerlichen familie. Deut. Landwirt. 4:57-63. Feb. 1953. 18 D4822
Russian Zone.

58940 ROUX, R. Economic conditions affecting social policy in plantations. Internatl. Labour Rev. 67:236-261. Mar.1953. 283.8 In8

58941 SANMUGATHASAN, N. Plantation labour in Ceylon. Trade Unions Internatl. Agr. & Forestry Workers. Inform. B. 4:5-9. Jan.1953. 283.9 T67

58942 SCHMIDT, G. Rübenpflege mit weniger handarbeit. Württemb. Wchnbl. f. Landwirt. 120:219-220. Feb.28,1953. 18 W96

58943 SCHMIED, R. Die agrarpolitischen ziele der landwirtschaftlichen arbeitnehmerkoalition in Westdeutschland. (Sum.) AID Rundschau 2:20. May 1952. 18 Ai2

58944 SKINNER, S. The grower and labor conditions. East. Fruit Grower 16:7,10,21-22. Mar.1953. 80 Ea73

58945 SKOVGAARD, K. The productivity problem in agriculture. (In Danish.) Tidsskr. f. Landøkon. 3:101-116. Mar.1953. 11 T43
Labor.

58946 SPEER, K. Arbiets- und zugkräftebedarf im kleinbetrieb. Deut. Landwirt. Presse 76:84. Mar.21, 1953. 18 D482

58947 SPESSO, R. The sliding scale system in Italy. Banca Naz. del Lav. Q. Rev. 5:215-226. Oct./Dec.1952. 284.8 B226
Wages, including those of agricultural workers.

58948 SULLIVAN, M. C. Labor prospects for 1953. Crystal-ized Facts Sugar Beets 7(2):20. Spring 1953. 66.8 C88

58949 SWEGLE, W. E. Here's how to keep a good hired man. Successful Farming 51(5):152-156. May 1953. 6 Su12

58950 SYROVATCHENKO, V. Standardizing work on cotton growing kolkhozes. (In Russian.) Khlopkovodstvo 12:59-63. Dec.1952. 72.8 K522

58951 TARCHETTI, A. The beautiful fields of growing rice constitute an invitation to labor. (In Italian.) Riso 2(3):22-23. Mar.1953. 59.8 R49

58952 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Extension of the Mexican farm labor program. Hearings, 83d Cong., 1st sess. on S. 1207, a bill to amend section 509 of title V of the Agricultural Act of 1949 as amended extending for three years the period during which agricultural workers may be made available for employment under such title, March 23 and 24, 1953. Washington,1953. 106 p.

58953 U. S. EXTENSION SERV. Some special farm labor activities of the cooperative extension service, by L. M. Vaughan. Washington,1952. 19 p. 1.913 A2So534

58954 U. S. FARM PLACEMENT SERV. Labor recruitment for agriculture; the Farm Placement Service, 1949, 1950, 1951. Washington,1952. 32 p. 158.31 L112

58955 VERSLUYS, C. J. A better future for plantation workers; a survey on working and living conditions of plantation workers and the way to a better future. Utrecht,Internatl. Landworkers' Fed.,1953. 80 p. 283 V61

58956 WEBB, B. Supervised youths solves labor problem. U & I Cult. 13:38-39. Mar.1953. 66.8 U12
For sugar beets.

58957 WESTGAARD, P. Work management of a smaller herd. (In Norwegian.) Buskap og Avdrått 5:14-16,27. 1953. 49 B96
Dairy cattle.

58958 ZAPPAROLI, R. More on the determination of effective utilization of labor and the penalty in relation to unified agricultural contributions. (In Italian.) Previdenza Sociale nell'Agr. 4:13-16. Jan.1953. 281.8 P92
Italy.

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

58959 ABDEL EL EMARY, H. E. About face in Egypt; land reforms point to prosperity. Cotton Trade. J. Internatl. Ed. 20:97,195. 1952/53. 72.8 C3214I
Agricultural outlook.

58960 ALLBAUGH, L. G. Crete: a case study of an underdeveloped area. Princeton,Princeton U. Press, 1953. 572 p. 280.176 AL5
Contains chapters on agriculture and food and nutrition.

58961 ANDERSON, W. Fateh trusts the land. Co-op Grain Q. 11:77-82. Mar.1953. 280.28 C7898
Rehabilitation in India under the Point IV Program.

58962 ANSTEY, V. The economic development of India. Ed. 4. London,Longmans,1952. 677 p. Ref. 280.182 An8
Contains a chapter on agriculture.

58963 ASCH. Die grundlagen einer leistungssteigerung; was wir in den USA sahen. Futter u. Fütterung 27:207-208. Feb.1953. 389.78 F98
Agricultural productive capacity.

58964 BANDINI, M. Agricultural policy. (In Italian.) Italia Agr. 90:85-86. Feb.1953. 16 It1

58965 BAR, A. L. S. Agriculture in Argentina in February 1953. (In Dutch.) Landbouwwereldnieuws 8: 179-181. Mar.21,1953. 12 L237

58966 BARRERA, A. Palawan — the new frontier. Soil Sci. Soc. Philippines. J. 4:242-245. Fourth Q.1952. 56.9 So35
Includes agriculture.

58967 BATTLES, O. V. Hawaiian agriculture as I observed it. Aberdeen-Angus J. 34(9):79,226,230. Apr. 1953. 43.8 Ab3

58968 BENSON, E. T. Agricultural policies. Vital Speeches 19:330-333. Mar.15,1953. 280.8 V83

58969 BENSON, E. T. General statement on agricultural policy. S. Dak. Stockgrower 7(2):18-19. Mar.15, 1953. 49 So84

58970 BENSON, E. T. Let's build strong—from the "grass roots." Washington,U. S. D. A., Off. Sec.,1953. 9 p. 1.91 A2B44
Address before the 16th Annual National Farm Institute, Des Moines, Feb. 21, 1953.

58971 BENSON, E. T. On agricultural policy. Calif. Cattleman, Apr.1953:1,20,22. 43.8 C12

58972 BERGER, F. Agrarpolitik in Schweden. Salzburger Bauer 8(7):4-6. Feb.12,1953. 19 Sa3

58973 BIBACH, B. Wir bauen den sozialismus auf. Deut. Bauern Kal. 1953:36-39. 18 D4826
Agricultural policy in the Russian Zone of Germany.

58974 BICE, S. A. The relation of the Colorado State Agricultural Planning Committee to public policy issues. In Farm Foundation. Increasing understanding of public problems and policies, p.109-113. Chicago,1952. 275.2 F223

58975 BLATTNER, A. Le "Pool Vert." Echo 1,1.e.2 (5):11-12. Dec.1952. 286.83 Ec4

58976 BONOMI, P. Just demands and possible wishes at the beginning of the new agricultural year. (In Italian.) Agricoltura 2:8-9. Jan.1953. 16 Ag8226

58977 BRANDT, J. Farmers are most self-reliant group in America, willing to help selves. Land O'Lakes News 33(3):4-7,10-14. Mar.1953. 44.8 L22
Agricultural policy.

58978 BROWNE, N. The present food production decline. Rur. Life, Feb.1953:8-11. 281.28 R884
Australia.

58979 CAMAITI, A. Economic and social aspects of the new law for the mountain. (In Italian.) Italia Forest. e Mont. 7:288-302. Nov./Dec.1952. 99.8 It12
French summary.

58980 CANADA. MARKETING SERV. ECONOMICS DIV. Provincial agricultural legislation in Ontario and Quebec, 1951, by V. H. Matte. Ottawa,1952. 53 p. 30.5 C16P

58981 CARLSEN, R. Gardening and market gardening in North Norway and the North Norway program. (In Norwegian.) Gartneryrket 43:188-189. Mar.7,1953. 80 G1938

58982 CARULLO, F. Law of July 25, 1952, no. 991, establishing measures in favor of the mountain. (In Italian.) Italia Forest. e Mont. 7:303-309. Nov./Dec.1952. 99.8 It12
French summary.

58983 CHANG, J. H. Agricultural geography for Formosa. Clark U. Abs. Diss. & Theses 24:51-52. 1952. 241.8 C54

58984 CHAPMAN, D. H. A farm dictionary. London, Natl. Fed. of Young Farmers' Clubs,1953. 209 p. 30.1 C36

58985 COLOMBANI, G. The application of law No. 991 of July 25, 1952 "Provisions in favor of mountain territories." (In Italian.) Cam. di Com. Indus. e Agr. di Novara. Not. Econ. 9:5-9. Jan.1953. 287 N85N
Italy.

58986 DEYCKE, K. Die nachkriegsentwicklung der landwirtschaft in England und Schottland. Übersicht 4: 111-119. Feb.1953. 18 Ub3

58987 DIRIGE, M. Agriculture in the Mountain Province [Philippines]. Agr. & Indus. Life 15(2):25,51. Feb.1953. 25 Ag8

58988 DIVERSIFIED agriculture predominates. Nebr. Cattleman 9(8):27-32. Apr.1953. 43.8 N27
In the Scottsbluff area of Nebraska.

58989 DUGERDIL, M. L'agriculture genevoise en 1951. Almanach Agr. de la Suisse Romande 91:72,74-75. 1953. 30.3 AL6

58990 DUQUE GOMEZ, M. La política agraria de Suiza. Mercado Agr. 23:1-2. Apr.7,1953. 284.38 M53

58991 DUTHIL, J. Regards sur l'agriculture suédoise. Agr. Charentais 8:3. (Concl.) Feb.28,1953. 14 Ag825

58992 DYNE, R. E., and BOULTON, E. A. Rural productivity. Queensland. Bur. Indus. Econ. News 21(11): 1-3. Nov.1952. 280.9 Q34
Queensland.

58993 EASTERN Germany's food and farm crisis. Wirtschaftsdienst, Eng. Ed., Mar.1953:16-19. 280.8 W74E

58994 EISENHOWER, M. S. Farmers—let's help America meet the future. (Condensed.) East. States Coop. 29(4):20-21. Apr.1953. 280.28 Ea7
Policy.

58995 ENGLEDOW, R. A. The production drive [Great Britain]. Worcestershire Agr. Chron. 21:15,17,19, 21,23. Nov.1952/Feb.1953. 10 W892

58996 EYGENRAAM, C. C. L. Italy. (In Dutch.) Landbouwwereldnieuws 8:195-196. Mar.28,1953. 12 L237
Agricultural policy.

58997 FARM policy in the making. Economist [London] 166:847-849. Mar.28,1953. 286.8 Ec7
Great Britain.

58998 FILZER, P. Die landwirtschaftlichen ertragsverhältnisse Württembergs in ihren beziehungen zur vorgeschichtlichen besiedlung. Ver. f. Vaterland. Natk. in Württemberg. Jahresh. 107:146-155. Ref. 1951,pub. 1952. 509 W96

58999 FOG-PETERSEN, V. Would decrease in production lead to better prices? (In Danish.) Jydsk Landbr. 35:139-141. Feb.26,1953. 11 J99

59000 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Ryukyu Islands; annual report to Food and Agriculture Organization of the United Nations for the period 1951 and 1952. n.p.,1953. 31 p. 389.9 F7353R

59001 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NORWEGIAN FAO COMMITTEE. 1953 report from Norway to the Food and Agriculture Organization of the United Nations. Oslo,1953. 19 p. 389.9 F7353No

59002 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. UNITED STATES-FAO INTER-AGENCY COMMITTEE. Report by the Government of the United States of America to the Food and Agriculture Organization of the United Nations, April 1953. Washington,1953. 21 p. 389.9 F7354

59003 FORSTREUTER, F. Zum schrittmacher einer agrarunion berufen; die bergbauernfrage als wirtschaftsproblem der internationalen agrarpolitik. Übersicht 4: 210-217. Mar.1953. 18 Ub3

59004 FRANCE. DIRECTION DE LA DOCUMENTATION. Le premier Plan Quinquennal de l'Inde. France. Dir. de la Doc. Notes et Études Doc. 1723,34 p. Apr.2, 1953. 280.9 F843
Includes agriculture.

59005 FREDERICS, K. Monopoly capitalism rules agriculture in U.S.A. Interagra 6:457-603. 1952. 28 In825

59006 FREY, M. Agrarpolitik und frühjahrsbestellung. Landwirt. Z. der Nord-Rheinprov. 120:347. Mar.21, 1953. 18 L2344

59007 GODARD, A. Le Rharb agricole. B. d'Inform. du Maroc 27:560-562. Mar.20,1953. 280.9 M82

59008 GONZALEZ, F. J. La economía de Santiago del Estero depende del agro. Mundo Agr. 46:18-21. Mar.1953. 9 M92

59009 GORBITZ R., A. La agricultura peruana en 1952. Vida Agr. [Lima] 30(350):3,5,7,9,11,13-18. Jan. 1953. 9.8 V66

59010 GRAÇA, L. Q. Quelques aspects de l'agriculture portugaise. Soc. Belge d'Études et d'Expansion. B. Bimes. 154:140-145. Jan./Feb.1953. 280.8 So17

59011 GRAM, G. German agriculture and "the Green Plan." (In Danish.) Denmark. Landbrraadet. Meddel. 11: 203-209. Mar.12,1953. 11 D415L

59012 GT. BRIT. CENTRAL OFF. OF INFORMATION. REFERENCE DIV. African development in Kenya 1946-1955; land, livestock and water. London,1953. 14 p. (Its Quote No. R. 2523 (Supplement to R. 2489)) 280.19 G792
Chapters on agriculture and forestry.

59013 GROTH, and HEUMANN. Unsere werktätigen bauern im kampf um die hackfruchternte, herbstbestellung und winterfurche. Demokratische Dorf 2(10):5-6. Oct.1952. 281.8 D39
Russian Zone of Germany.

59014 HAGGERTY, J. J. Patterns of agricultural production, population trends and agricultural policies in the world. Washington,U. S. Off. Foreign Agr. Relat., 1952. 14 p. 1.943 H12
Summary of remarks before the annual Conference of the Arkansas Agricultural Extension Service, Little Rock, Ark., Dec. 16, 1952.

59015 HAMILTON, W. M. The influence of science and technology on farming development in New Zealand. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:224-230. 1951,pub. 1952. 90.09 R81R

59016 HART, D. A Canadian takes a good look at British agriculture. Farmer's Advocate & Canad. Countryman 88(3443):7,47. Mar.28,1953. 7 F22

59017 HEGARTY, A. Agriculture in the Mary Valley and adjoining districts. Queensland Agr. J. 75:311-332. Dec.1952. 23 Q33

59018 HELINE, O. Farmers should be concerned. Farm Policy Forum 6(3):17-18. Mar.1953. 281.8 F2274
Agricultural policy.

59019 HILL, E. H. Benson's basic concepts are sound. Farm Policy Forum 6(3):19. Mar.1953. 281.8 F2274

59020 HOOBLER, S. Q. Keeping up on the farm outlook. Wash. State Col. Ext. C. 223,6 p.-folder. Feb.26, 1953. 275.29 W27C

59021 HOOBLER, S. Q. Keeping up on the farm outlook. Wash. State Col. Ext. C. 224,6 p.-folder. Mar.31, 1953. 275.29 W27C

59022 HOPE, C. R. World events and American agriculture. Amer. Cotton Cong. Proc. 13:31-37. 1952. 72.9 C825

59023 INNES, F. M. Expansion in Pakistan. Cotton Trade. J. Internatl. Ed. 20:89-91. 1952/53. 72.8 C3214I
Agricultural.

59024 ITIE, G., and CRUZ, J. E. DE. LA. Plan agrícola de emergencia. Tierra [Mexico] 8:200-202. Mar.1953. 8 T445

59025 JACOBSEN, A. P. European farm organization. (In Danish.) Andelsbladet 54:349-350. Apr.9,1953. 280.28 An2

59026 JOHNSTON, W. B. Land, people, and progress in the Cook Islands. Econ. Geog. 29:107-124. Apr.1953. 278.8 Ec7
Includes agriculture.

59027 KALKOFF, W. Das entscheidende bedarfsdeckungsproblem; landwirtschaftliche mehrerzeugung im europäischen raum. Übersicht 4:205-209. Mar.1953. 18 Ub3

59028 KELLER, H. P. Der anlauf zur europäischen agrarunion nach der zweiten ministerkonferenz. Schweiz. Bauer 107(38):13. Apr.2,1953. 17 Sch95

59029 KIRAÇ, N. Necessity of cooperation with farmers. (In Turkish.) Türk Ekon. 10:366-368. Dec.1952. 280.8 T843

59030 KIRAÇ, N. New findings in agricultural world. (In Turkish.) Türk Ekon. 10:342-344. Nov.1952. 280.8 T843

59031 KNAPPEN TIPPETTS ABBETT ENGINEERING CO. Preliminary report on economic and engineering survey of Burma for Burma Economic Council. n.p., 1952. 224 p. 280.182 K72
Contains a review of agriculture.

59032 KRIJGER, B. New Guinea. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 44:37-44. Feb.1953. 280.8 T44
Includes agriculture.

59033 KROMMER, R. Nutzanwendung für Osterreich. Landarb.-Arch. 8:33-36. Feb.1953. 283.8 L23
Increased productivity through mechanization.

59034 KUVSHINOV, I. S. Stalingradskii gidrouzel i razvitie sel'skogo khoziaistva raionov Prikaspiia [The Stalingrad waterway and development of agriculture in the districts near the Caspian]. Moskva, "Znanie", 1952. 30 p. (Vsesoiuznoe Obshchestvo po Rasprostraneniiu Politicheskikh i Nauchnykh Znanii, Moscow. Broshiury-Stenogrammy Lektsii, Seriia 3. No.24) 33.31 K963

59035 DIE LANDWIRTSCHAFTLICHE produktion in ihren beziehungen zur aufnahmefähigkeit des marktes. Grüne 81:310-312. Mar.20,1953. 17 Sch9
Switzerland.

59036 LARSEN, A. P. Will English agricultural production continue to increase? (In Danish.) Dansk Landbr. 72:184-185. Apr.9,1953. 280.28 V91

59037 LIONNET, J. Le monde industriel prend conscience du fait agricole. Ecole Colon. d'Agr. de Tunis Assoc. Amicale des Anciens Elèves. B. Période. 137:37-38. Nov./Dec.1952. 24 T833B
Productive capacity of French agriculture.

59038 LONG, M. E. United Kingdom moves toward freer agriculture. Foreign Agr. 17:67-70. Apr.1953. 1.9 Ec7For

59039 MCCORMICK, C. J. Progress in agriculture. Washington,U. S. D. A., Off. Sec.,1952. 11 p. 1.91 A2M132
Talk at 4th National Mechanical Corn Picking Contest, Rushville, Ind., Oct. 18, 1952.

59040 MARUMO, S. Goal of agricultural development in new Five Years' Plan in USSR. (In Japanese.) Nōgyō Sōgō Kenkyū 7:269-280. Jan.1953. 22.5 N687

59041 MAUNG, T. The agricultural geography of the Madaya-Amarapura region. Clark U. Abs. Diss. & Theses 24:55-57. 1952. 241.8 C54
Burma.

59042 MEINDL, G. Die organisation der schwedischen landwirtschaft. Landwirtschaft 5/6:78-80. Mar.1953. 19 L235

59043 MENDES, O. A policy of truth and confidence. (In Portuguese.) Gaz. do Agr. 5(44):2-3. Jan.1953. 24 G25
In Mozambique.

59044 MERCER, W. B. Impressions of Jamaican agriculture. Farmer [Kingston] 57:16-19. Jan./Mar.1953. 8 J223

59045 MILLER, J. E. Panorama agropecuario del Uruguay. Uruguay. Inst. Nac. de Colon. B. 4(35):9-10. Jan.1953. 282.29 Ur8

59046 MITROKHIN, M. A. On planning the introduction of scientific achievements and leading practices [into agricultural production]. (In Russian.) Dostizhenila Nauk. i Peredovogo Opyta v Sel'sk. Khoz. 11:64-68. Nov. 1952. 20 D742

59047 MOREL, J. Voyage en Italie. Agr. d'Eure-et-Loir 202:3-4; 203:3-4; 204:3. (Concl.) Jan.12-28, 1953. 14 Ag828
Agriculture.

59048 MORGEN, H. Das strukturgefüge der agrarlandschaft. Ber. z. Deut. Landesk. 11:412-427. Ref. July 1952. 18 B454

59049 MORSE, T. D. What is ahead for agriculture? West. Banker 90:12-14,16,57. Jan.1953. 284.8 C63

59050 MOTHERAL, J. R. No escape to the past. Co-op Grain Q. 11:25-26. Mar.1953. 280.28 C7898
On the Farm Foundation report on farm policy.

59051 MUDALIAR, N. M. The future of agricultural science in India. Madras Agr. J. 40:5-6. Jan.1953. 22 M262

59052 NATH, B. V. Increased food production for growing population. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.103-109. Mysore, 1952. 389 M992
Productive capacity of Indian agriculture.

59053 NEIGHBOURS, J. L. Agriculture and cattle in the religious life of early man. Aberdeen-Angus J. 34(9):82,246. Apr.1953. 43.8 Ab3
In the Bible.

59054 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. Landbouwverslag van Noord-Holland [Report of agriculture in North-Holland], 1951. Schagen, 1952. 184 p. 12 N38Ln

59055 OSPINA-PEREZ, M. Algunos problemas agrícolas. Soc. Antioqueña de Agr. B. Agr. 393:3827-3836. Jan.1953. 9.4 So1

59056 OWEN, R. India; economic and commercial conditions in India. London,Bd. of Trade,1953. 405 p. (Overseas Economic Surveys) 269.5 G792
Includes agriculture and agricultural policy.

59057 PAPI, G. U. Agriculture's development is a necessary condition to economic development. (In Italian.) Agricoltura 2(2):14-17. Feb.1953. 16 Ag8226
English summary.

59058 PAPI, G. U. Myths and realities of the European Green Pool. Banca Naz. del Lav. Q. Rev. 5:201-214. Oct./Dec.1952. 284.8 B226

59059 PARKER, G. G. British policy and native agriculture in Kenya and Uganda. Agr. Hist. 26:125-131. Ref. Oct.1952. 30.98 Ag8

59060 PERRENOUD, A. Une importante année législative. Almanach Agr. de la Suisse Romande 91:55-56,58-61. 1953. 30.3 AL6

59061 PETER, E. Produktionssteigerung und absatzorganisation. Bäuerliche Genossensch. 4(10):2-3. Dec.1, 1952. 280.28 B322
Austria.

59062 PETERS, J. Gedanken in der zeit der frühjahrsbestellung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:473-474. Mar.19,1953. 18 L2346
Agriculture.

59063 PIHLALA, K. U. Our farm production program. (In Swedish.) Lantm. och Andelsfolk 26:8-9. Jan.31,1953. 20 L29
In Finland.

59064 POSTEL. L'Espagne agricole. Terre Marocaine 27:77-83. Mar.1953. 24 T44

59065 PREUSCHEN, G. Unsere nördlichen nachbarn. Deut. Landwirt.-Gesell. Mitt. 68:288-289. Mar.19,1953. 18 N39
Agriculture in Sweden.

59066 PREVOST, M. L'agriculture et la production du lait en Uruguay. Indus. Lait. (n.s.)78:48-53. Mar. 1953. 44.8 In2

59067 RAMAMURTY, S. V. Self-help in food. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.98-102. Mysore,1952. 389 M992
Possibilities of increasing production.

59068 RENK, W. N. Let's keep over in the middle of the road. Breeder's Gaz. 118(5):11,26. May 1953. 49 B74
Agricultural policy.

59069 RIET, G. VAN 'T. Agricultural integration in Western Europe. (In Dutch.) Zaadbelangen 7:51-52. Mar. 16,1953. 61.8 Z1

59070 ROCCO, F. Fund for the South and national defense. (In Italian.) Cassa per il Mezzogiorno. Not. 2: 3-7. Jan.1953. 280.8 N82
Agricultural conditions and policy.

59071 ROSS, C. New horizons in Australian Agriculture. Power Farming Austral. & New Zeal. 62(3):1,111. Mar.1953. 58.8 P87

59072 SANDERS, P. D. Agriculture's role in the American story. Va. Forests 8:6-7,14,16. Jan./Feb.1953. 99.8 V81

59073 SANTIBÁÑEZ, L. R. Indice alfabético de términos agrícolas más usuales en nuestro país con apéndice de maquinaria e implementos. Campo [Tacuba] (ser.2)20(732):34-36,38,40-41. (Cont.) Feb.28,1953. 8 C157

59074 SCHRODER, W. Dem ziel entgegen. Deut. Bauern Kal. 1953:33-35. 18 D4826
Agriculture in the Russian Zone of Germany.

59075 SCHULZE HENNE, K. Was bedeutet das technische hilfswerk für die landwirtschaft? Deut. Landwirt.-Gesell. Mitt. 68:312-314. Mar.26,1953. 18 N39
Flood rehabilitation in the Netherlands and Germany.

59076 SERPIERI, A. The Green Pool again. (In Italian.) Riso 2(2):3-4. Feb.1953. 59.8 R49

59077 SERPIERI, A. The liberal program of agricultural policy. (In Italian.) Mondo Agr. 4(12):1,7. Mar.22, 1953. 16 M74
Italy.

59078 SIEBENGA, J. On an American study trip. II. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden en Aardappelpootgoed. Meded. 9:90-92. Mar.1953. 61.9 N28
Includes agriculture.

59079 SINGH, D. Grow more food. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.81-83. Mysore,1952. 389 M992

59080 SOARING production counterbalances price dips for district farmers. Fed. Reserve Bank San Francisco. Mon. Rev., Feb.1953:37-40. 284.8 F31S

59081 SODERSTROM, O. Some observations on the national farm policies. (In Swedish.) SL-kontakt 1/2:7-13. 1953. 11 Sv28S

59082 SONNEMANN, T. Zur künftigen agrarpolitik. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:615-617. Apr.9,1953. 18 L2346

59083 SPATE, O. H. K. Changing native agriculture in New Guinea. Geog. Rev. 43:151-172. Apr.1953. 500 Am35G

59084 STUBENRAUCH, W. Columbiens landwirtschaft vor grossen aufgaben. Ubersicht 4:231-232. Mar.1953. 18 Ub3

59085 SVENSKA HANDELSBANKEN. Economic survey, 1952. Stockholm,1953. 67 p. 280.9 Sv2
Contains a chapter on agriculture.

59086 THØGERSEN, F. The Green Plan. (In Danish.) Denmark. Landbrraadet. Meddel. 11:197-202. Mar.12, 1953. 11 D415L

59087 THOMAS, A. S. New laws affecting farmers reviewed. Hoosier Farmer 38(4):8-10. Apr.1953. 280.82 H76
Indiana.

59088 TORRES, A. The agrarian question. (In Portuguese.) Lavoura 56:3-7. Nov./Dec.1952. 9.2 L39
Brazil.

59089 TRIFONE, R. The recent law for the mountain. (In Italian.) Italia Forest. e Mont. 7:283-287. Nov./Dec. 1952. 99.8 It12
French summary.

59090 TRINIDAD, J. M. Observations on agriculture in Japan, the United States, Cuba, and Costa Rica. Agr. & Indus. Life 15(2):14-15. Feb.1953. 25 Ag8

59091 UGOLINI, P. Truffles are not enough for Norcia — the law on the mountains will resolve the problems of Val Nerina. (In Italian.) Agricoltura 2:49-51. Jan.1953. 16 Ag8226
Includes agricultural conditions in the area.

59092 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Policies and programs of the Department of Agriculture. Hearing, 83d Cong., 1st sess. on report of Secretary of Agriculture Ezra Taft Benson on policies and programs of the Department of Agriculture, March 25, 1953. Washington,1953. 35 p.

59093 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Breaking the production barriers, by B. T. Shaw and K. M. Gapen. Washington,Mar.7,1953. 4 p. 1.914 R2R11
Farm production and agricultural research relationship.

59094 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. What's ahead for farmers in '53, by S. E. Johnson, B. W. Allin, R. Roberts, and K. M. Gapen. Washington,Jan.3,1953. 3 p. 1.914 R2R11

59095 U. S. DEPT. OF STATE. DIV. OF LIBRARY AND REFERENCE SERV. Pakistan, a basic list of annotated references to evaluate programs for economic development. Washington,1952. 80 p. (Its Bibliography 65) 150.1 P17
Includes agriculture.

59096 U. S. EXTENSION SERV. List of "agricultural outlook" publications prepared by State extension services. Washington,1953. 6 p. 1.913 A5L694

59097 U. S. OFF. OF INDUSTRY AND COMMERCE. AREA DEVELOPMENT DIV. Economic development in the Cumberland, Maryland, area, ed. by D. S. Campbell. Washington,1952. 113 p. 157.55 Ec74
Contains chapters on agriculture and forestry.

59098 U. S. PRODUCTION AND MARKETING ADMIN. Agricultural conservation program; conservation practice summary, 1947 to 1951. Washington,1953. 106 p. 1.956 F45Ag823
Statistics.

59099 U. S. PRODUCTION AND MARKETING ADMIN. Production job, 1953. Washington,1953. 16 p. 1.956 A2P9436

59100 WALTON, H. The Agriculture Act [Great Britain] and county committees. Worcestershire Agr. Chron. 21:25,27,29. Nov.1952/Feb.1953. 10 W892

59101 WHITAKER, J. R. World land resources for agriculture. In Northwestern University. World population and future resources, p.75-83. New York,Amer. Book Co.,1952. 280 N812

59102 WHITE, J. B. A new economy on the land; British agriculture is taking the first steps towards a freer future. Field 201:574-575. Apr.9,1953. 10 F45

59103 WILSON, J. B. Pakistan studying agricultural methods of United States. Ala. Farmer 32(4,i.e.5):8. Feb. 1953. 276.8 AL1

59104 YEAR book & guide to Southern Africa, 1953. London,1953. 860 p. 270 So892
Includes agriculture.

59105 ZDANOVSKI, N. Mountain economy on the territory of the Tolminski Mountains. (In Serbo-Croatian) Stočarstvo 6:440-455. Oct.1952. 43.8 St6

Subsidies

59106 COPE, A. The problem of subsidies. Milk Indus. 33(9):63-65. Mar.1953. 44.8 M593
Great Britain.

COST AND STANDARD OF LIVING

59107 JEHLIK, P. J. Techniques for analyzing farm family level of living and related factors in Iowa. (Abs.) Iowa State Col. J. Sci. 27:196-197. Jan.1953. 470 Io9

59108 SAMBERGS, A. Lower living standard in the country. (In Swedish.) Lantmannen 37:277-279. Mar.21, 1953. 11 L234

59109 WIBERG, E. The costs of living in rural households in 1951. (In Swedish.) Sweden. Socialstyr. Sociala Meddel. 2:84-95. 1953. 257.3 So1S
English summary, p. 131.

FARM MANAGEMENT AND LAND ECONOMICS

59110 ABELL, H. C. Choice of alternative farm enterprises. Econ. Annal. 23:33-34. Apr.1953. 281.8 Ec72
Canada.

59111 AGASI, I. Monks and modern farmers; a visit to the Trappists in Tegelen. (In Dutch.) Boer en Tuinder 7(320):5. Apr.4,1953. 12 B632

59112 ALEKSONDROV, G. IA. Puti i metody povysheniia proizvoditel'nosti mashinno-traktornogo parka [Ways and means of increasing the productivity of the machine-tractor park]. Moskva,"Znanie",1952. 30 p. (Vsesoûznoe Obshchestvo po Rasprostraneniiu Politicheskikh i Nauchnykh Znanii, Moscow. [Broshiury-Stenogrammy Lektsii] Seriia 3, 16) 283 AL23P

59113 ALFORD, G. H. The way made plain to prosperity on Pike County farms. Progress,Miss.,1952. 56 p. 281.045 AL2

59114 ALVAREZ MERINO, M. Paz y concordia entre agricultores y ganaderos. Agr. Burgalés 20(219):3-4. Mar.1953. 15 Ag86

59115 BAMONTE, T. A splendid example of medieval agricultural organization — an active and powerful farm grows around the abbey of Farfa. (In Italian.) Agricoltura 2:45-48. Jan.1953. 16 Ag8226

59116 BAROU, N. Collective farming in the U.S.S.R. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:213-225. 280.29 H78

59117 BECKWITH, L. Public lands. S. Dak. Stockgrower 7(3):34. Apr.15,1953. 49 So84

59118 BIRD, J. He's beating the cost-price squeeze—can you? Country Gent. 123(4):36-37,90-93. Apr.1953. 6 C833
Farm management.

59119 BROOKE, O. L. Some economic factors in Florida vegetable production. Fla. U. Bur. Econ. & Business Res. Econ. L. 12(3):1-4. Feb.1953. 280.9 F663
Management factors and costs and returns.

59120 BUCHHOLTZ, A. Genossenschaftliche schafhaltung, ein weg zur erhöhung und verbesserung unserer schafbestände. Deut. Landwirt. 4:50-53. Jan. 1953. 18 D4822
Russian Zone.

59121 BUFFA, E. The carrying capacity for livestock. (In Italian.) Riso 2(3):9-10. Mar.1953. 59.8 R49
Rice farms.

59122 BURESCH, SANDER, AND HABENEY, D. Die betriebswirtschaftlichen auswirkungen der technisierung. Hannoversche Land- u. Forstwirt. Ztg. 106:356-357. Mar.21,1953. 18 H194

59123 CANADA. MARKETING SERV. ECONOMICS DIV. A farm business study in the Hamiota area of Manitoba, by T. O. Riecken. Ottawa,Manitoba U. Dept. of Political Econ.,1952. 31 p. 281.133 C16

59124 CASE, H. C. M., and JOHNSTON, P. E. Principles of farm management. Chicago,Lippincott,1953. 466 p. 281 C262P

59125 CERVI, B. Con nuevos métodos técnicos el progreso de la agricultura argentina será una realidad. Mundo Agr. 46:90-91. Mar.1953. 9 M92

59126 CHRISTENSEN, J. J. Technologies of increasing food production. In Northwestern University. World population and future resources, p.94-107. New York, Amer. Book Co.,1952. 280 N812

59127 COKE, J. E. The future is limited only by ourselves. Washington,U. S. D. A., Off. Sec.,1953. 8 p. 1.91 A2C66
Address at 50th anniversary of farm demonstration work Terrell, Texas, Feb. 26, 1953, on progress in farming and extension work.

59128 DARLING, SIR M. Co-operative farming in Italy. Horace Plunkett Found. Ybk. Agr. Co-op. 1953: 198-212. 280.29 H78

59129 DE GRAFF, H. The difference is in management. Nebr. Farmer 95(7):32-35. Apr.4,1953. 6 N27

59130 DEVOTO, B. The sturdy corporate homesteader. Harper's Mag. 206(1236):57-60. May 1953. 110 H23
Public land policy.

59131 DIJKSTRA, H. Economic aspects of intensification on grassland and diversified farms. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:89-96. Mar.1953. 12 N383M
Netherlands.

59132 FRIERSON, B. W. Agricultural operations of the Texas prison system. Amer. Cotton Cong. Proc. 13: 98-101. 1952. 72.9 C825

59133 GOLOVIN, V. A. Opyt raboty ukrupnennogo kolkhoza [Practices of a consolidated collective farm]. Moskva,Znanie,1952. 23 p. (Vsesoiuznoe Obshchestvo po Rasprostraneniiu Politicheskikh i Nauchnykh Znanii, Moscow. Broshiury-Stenogrammy Lektsii, Seriia 3, No. 42) 33.31 G582

59134 GRAZIA, S. DE. Re: among share farmers of the same citrus grove. (In Italian.) Tec. Agr. 5:28-31. Jan./Feb.1953. 16 T22
Problem of sharing losses in marketing produce.

59135 GREENE, S. E. Family farm threatened in the West. Town & Country Church 88:7. Apr.1953. 281.28 T66

59136 GÜNTHART, A. Aus der Brüderhof-chronik. Grüne 81:359-385. Apr.3,1953. 17 Sch9

59137 HEADY, E. O., and OLSON, R. O. Substitution relationships, resource requirements and income variability in the utilization of forage crops. Iowa. Agr. Expt. Sta. Res. B. 390:864-938. Sept.1952. 100 Io9
Management aspects, including costs and returns, capital and labor requirements, and risk.

59138 HENNIK, J. J. VAN, and BROEKHUIS, E. Managerial observations on fruit culture on the diversified farm. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:51-62. Feb.1953. 12 N383M

59139 HOWALD, O. Neue landwirtschaft auf altem acker- und rebbaugebiet. Agrarpolit. Rev. 9:272-278. Mar.1953. 281.8 Ag824
Switzerland.

59140 IBACH, D. B. Interpreting fertilizer response for better farm management. Washington,U. S. Bur. Agr. Econ.,1952. 29 p. 1.941 A21B1
Paper presented at the annual meeting of the American Society of Farm Managers and Rural Appraisers, Chicago, Dec. 1, 1952.

59141 ILLINGWORTH, F. Farming within the Arctic Circle. World Crops 5:135-137. Apr.1953. 281.8 W892

59142 JEFFERS, H. W. A new principle of economics for dairying. Certif. Milk 28(3):8-9,14. (Cont.) Mar. 1953. 44.8 C33
Dairy farm management.

59143 JEFFERS, H. W. A new principle of economics for dairying. Certif. Milk 28(4):10-11. (Cont.) Apr.1953. 44.8 C33
Management.

59144 JONES, R. B. Dairy farm management. Sutton Bonington,Loughborough,Eng.,Nottingham. U. Col. Sch. of Agr. Dept. of Agr. Econ.,1952. 14 p. 281.3449 J72

59145 JOSEPH, C. M. Co-operative farming in Yugoslavia. Queensland Fruit & Veg. News 2:11-12. Oct. 10,1952. 280.38 Q3

59146 KAYO, N. Economic significance of land in agriculture. (In Japanese.) Nogyo Sogo Kenkyu 7:1-58. Jan.1953. 22.5 N687

59147 KIPPAX, J. Head South, young man. Farmers Wk. [London] 38(12):75,77. Mar.20,1953. 10 F2226
Farming in South Devon.

59148 KNORR, E. Wir waren bei unseren lehrmeistern. Deut. Bauern Kal. 1953:75-77. 18 D4826
Observations on collective farming in the Soviet Union.

59149 KUMPFEL, K. Gemeinsam arbeiten—besser und leichter arbeiten! Demokratische Dorf 2(12):14-15. Dec.1952. 281.8 D39
Russian Zone of Germany.

59150 LEGGE, T. Single-handed on 300 acres. Farmers Wk. [London] 38(12):62-63. Mar.20,1953. 10 F2226
Management of a Cotswold farm.

59151 LOVEN, H. A farm that is a family company. (In Swedish.) Lantmannen 37:328-330. Apr.4,1953. 11 L234
Farm management.

59152 MCFARLANE, G. C. Further aspects of farm management on northwestern wheat farms. Rev. Mktg. & Agr. Econ. 20:229-239. Dec.1952. 286.8 N47M
Australia.

59153 MCGEHEE, R. The Luling Foundation plans its work and works its plan. Soil & Water Mag. 2(4):30-32. Apr.1953. 54.8 So3
Demonstration farm.

59154 MARINIS, F. DE. Share-farming in the civil code and in social legislation. (In Italian.) Previdenza Sociale nell'Agr. 4:9-12. Jan.1953. 281.8 P92
Italy.

59155 MARUTA, S. The analysis on a dairy farm economy in Shizuoka Prefecture. (In Japanese.) Nogyo Keizai Kenkyu 24:886-900. Feb.1953. 281.8 N68

59156 MATSUMARU, S. Rakuno keiei no shinchishiki [New knowledge of management of dairy-farming]. Tokyo,Kawade Shobo,1952. 286 p. 281.344 M42

59157 MEIJERS, P. G. Contest regulations for small farms in 1953. (In Dutch.) Groninger Landbbl. 31(11):6. Mar.12,1953. 12 G892

59158 MERRILL, P. K. Race as a factor in achievement in plantation areas of Arkansas. Mich. U. Diss. Abs. 13:134. Feb.1953. 241.8 M58

59159 MUNDE. Zeitgemässe betriebsgestaltung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:619-620. Apr.9,1953. 18 L2346

59160 NAQVI, S. A. W. Co-operative farming in Pakistan. Karachi Com. 5(6):4,14. Feb.14,1953. 280.8 K14

59161 NEW BRUNSWICK. DEPT. OF LANDS AND MINES. 115th annual report for the year ended 31st March 1952. Fredericton,1952. 120 p. 253.3 C88

59162 OBOLENSKII, K. P. Preimushchestva krupnykh kolkhozov [Advantages of large-scale collective farms]. Moskva,"Znanie",1952. 30 p. (Vsesoiuznoe Obshchestvo po Rasprostraneniiu Politicheskikh i Nauchnykh Znanii, Moscow [Broshiury-Stenogrammy Lektsii] Seriia 3, 15) 281.179 Ob5P

59163 OERTZEN, H. U. VON. Besitz verpflichtet. Tierzüchter 5:141-143. Mar.20,1953. 49 T445
Farm management in Germany.

59164 PATERSON, J. W. Science in agriculture; a discussion of scientific principles in their relation to farm practice. Ed. 5. London,Longmans,Green,1952. 303 p. 30.2 P27S

59165 PENCE, M. O., MANGUS, J. E., and SEXSON, V. D. Test demonstration farms. Purdue U. Agr. Ext. B. 336,20 p. n.d. 275.29 In2E
Conservation farming.

59166 PUERTO RICO. LAND AUTHORITY. Summary report for the fiscal year, 1951-52. n.p.,1952. 6 p. 282.29 P96

59167 QUEBEC. DEPT. OF LANDS AND FORESTS. Report for the year ending March 31st, 1951. Quebec, 1952. 173 p. 253.8 L23

59168 REISSIG, L. Die flächen- und arbeitsproduktivität in der landwirtschaft dargestellt an einigen buchführungsbetrieben in Württemberg. (Sum.) AID Rundschau 2:19. May 1952. 18 Ai2

59169 REYNOLDS, L. W. Pioneering in home economics in Formosa. Candle Phi Upsilon Omicron 42:281-286. Spring 1953. 321.9 C16
Includes description of farms and farm family life.

59170 ROHLF, J. A. Wheat growers branch out; they are still sticking with winter wheat, but they've added livestock and sorghum. Farm J. 76(5):59-60. May 1953. 6 F2212
In the Great Plains.

59171 RUTHERFORD, J., and LLOYD, A. G. Farm surveys and farm management research. Agr. Gaz. N. S. Wales 64:79,99-101. Feb.1953. 23 N472

59172 RUTHERFORD, J., and LLOYD, A. G. Farm surveys and farm management research. Rev. Mktg. & Agr. Econ. 20:217-228. Dec.1952. 286.8 N47M
Australia.

59173 SALA ROCA, E. Las explotaciones agrarias ejemplares. Inst. Agr. Catalán de San Isidro. Rev. 101: 235-236. Oct.1952. 15 Sa5

59174 SCHOBER, K. Betriebswirtschaftliche überlegungen in der bäuerlichen wirtschaft. Landwirtschaft 5/6:69-70. Mar.1953. 19 L235
Austria.

59175 SEARS, P. B. Cultural factors in food production. In Northwestern University. World population and future resources, p.119-125. New York,Amer. Book Co., 1952. 280 N812

59176 SOMMERKAMP. Letzte überlegungen zum bestellungsplan. Landwirtbl. Weser-Ems 100:348-349. Mar.26,1953. 18 L2345

59177 THE SPECULATOR-farmer fails first. Farm Mangt. 2(5):10-16. Apr.1953. 281.8 F2225
Management.

59178 STANIFORTH, S. D. Analysis of the effects of uncertainty on resource use and income. (Abs.) Iowa State Col. J. Sci. 27:258-259. Jan.1953. 470 Io9
In Iowa agriculture.

59179 SUTHERLAND, M. H., and WILLIAMON, P. S. Planning for balanced farming. Clemson Agr. Col. S. C. Ext. C. 381,26 p. Jan.1953. 275.29 So8E

59180 TANGANYIKA. DEPT. OF LANDS AND MINES. Annual report 1951. Dar es Salaam,1953. 95 p. 282.9 T15A

59181 TIMASHEVA, M. F. Nash opyt vysokoproizvoditel'nogo ispol'zovaniîa mashinno-traktornogo parka [Our highly efficient method of utilizing the machine-tractor park]. Moskva,"Znanie",1952. 39 p. (Vsesoîuznoe Obshchestvo po Rasprostraneniîu Politicheskikh i Nauchnykh Znaniĭ, Moscow. Broshiûry-Stenogrammy Lektsiĭ] Seriia 3, 14) 283 T482

59182 TINDALL, C. Farm management tricks help "beat the weather." Mo. Rur. 94(6):4,18,23. Mar.28, 1953. 6 R8891

59183 U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production practices, labor, power, and materials, by operation. Mountain and Pacific States. U. S. Bur. Agr. Econ. F. M. 92(Sect.5),302 p. Mar.1953. 1.941 L6F22
Chiefly statistics.

59184 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Colored farmers of the South make progress, by J. Bradford, J. Gammon, and H. P. Jenkins. Washington,Feb.14,1953. 3 p. 1.914 R2R11

59185 WARE, D. W. Organization and returns of stone fruit and pear enterprises in the Okanagan Valley, British Columbia, 1949-1950. Ottawa,Canada,Dept. of Agr. Econ. Div.,Marketing Serv.,1952. 46 p. 281.393 W22

59186 WICKSTROM, G. A. The Benedict Demonstration Farm. Better Crops Plant Food 37(3):15-18,46-49. Mar.1953. 6 B46

59187 WILSON, C. M. How will you or your sons farm in 1993? Prog. Farmer, Tex. Ed. 68(4):24,28. Apr. 1953. 6 T311

59188 WISCONSIN. DEPT. OF PUBLIC LANDS. Biennial report for biennial fiscal term ending June 30, 1952. Madison,1952. 56 p. 282.9 W752

59189 WOLF, J. P. M. VAN DER. Management of the farm. (In Dutch.) Boer en Tuinder 7(320):3. Apr.4, 1953. 12 B632
Netherlands.

59190 WOODWARD, H. B. Competition for public lands. Conserv. News [Washington] 18(4):7-10. Apr.1, 1953. 279.8 C766

59191 YOHE, R. S. In Switzerland farms stand on end. 12. Farmer [St. Paul], Gen. Ed. 71(8):14,24. Apr.18, 1953. 6 F2211

59192 YOHE, R. S. Let's visit a 35-acre Swiss farm. Nebr. Farmer 95(7):16. Apr.4,1953. 6 N27

Bookkeeping and Records

59193 ATKINSON, T. E. Where are your valuable papers? Ark. Agr. Col. Ext. L. 178,6 p.-folder. Aug. 1952. 275.29 Ar4Le

59194 BEMELMANS, J. Accounting for farms and ranges. V. (In Portuguese.) São Paulo. Supt. dos Serv. do Café. B. 28(311):11-14. Jan.1953. 68.29 Sa63

59195 RIDDER, J. Accounting problems in agriculture. (In Danish.) Nord. Lantbrekon. Tidskr. 3:15-17. 1953. 281.8 N75

59196 SIJTSMA, P. Cooperative central agricultural bookkeeping. XXXVI. (In Dutch.) Bolwerk 5(9):15-16. Mar.1953. 280.28 B633

Costs and Returns

59197 ANDREWS, R. A., JOHNSON, H. A., and MARTIN, P. F. Dairy and potato farms in the Matanuska and Tanana Valleys, 1951. Alaska. Agr. Expt. Sta. Mimeog. C. 3,21 p. Feb.1953. 100 AL122M
Expenses and income data included.

59198 ASHE, A. J. An economic analysis of large dairy farms, New York, 1949-50. N. Y. (Cornell) Agr. Expt. Sta. B. 887,32 p. Jan.1953. 100 N48C

59199 BASTOS, H. M. Where is the probability of profit in poultry raising? (In Portuguese.) Chacaras e Quintais 87:187-190. Feb.15,1953. 9.2 C34
Brazil.

59200 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1953 Napa County poultry management study, by A. Shultis and K. Bissell. Berkeley?1953. 6 p. 275.29 C12En
Costs and returns.

59201 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Orange County avocado production cost analysis 1952, by W. Sullivan. Berkeley?1953. 10 p. 275.29 C12En

59202 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Seventh annual Solano poultry management study, 1952, by A. K. Swenerton and D. Reed. Berkeley?1953? 4 p. 275.29 C12En
Costs and returns.

59203 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Twenty-second annual San Bernardino County poultry management study, 1952, by J. Hertel and A. D. Reed. Berkeley?1953? 6 p. 275.29 C12En
Costs and returns.

59204 CARIO, D. A., and OAKLEY, J. S. Size of apple crop and profits, New York cost-account farms. N. Y. Agr. Col. Farm Econ. 189:4981. Mar.1953. 280.8 C812

59205 CARPENTER, K. S. Beef costs and returns on 41 New York farms, 1951. N. Y. Agr. Col. A. E. 847, 19 p. Feb.1953. 281.9 C81

59206 CASTRO, C. M. O. Hampshire breed can produce an income of 45 cruzeiros per bird. (In Portuguese.) Lav. e Criação 7(45):51-52. Dec.1952. 49 L392

59207 CRIJNS, A. H. Profitability and intensification of the mixed farm. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:106-111. Mar. 1953. 12 N383M
Netherlands.

59208 DIJKSTRA, H. Production increase and cost price lowering. (In Dutch.) Nederland. Zuivelbond. Off. Organ 45:152-153. Mar.11,1953. 44.9 AL3
Reply by H. J. Frankena.
Milk in the Netherlands.

59209 DUNNING, C. S., and others. The business side of dairying. Maine. Agr. Col. Ext. B. 428,20 p. Jan.1953. 275.29 M281B
V. C. Beverly, C. A. Worthley, H. I. Bell, and A. W. Manchester, joint authors.
Costs and returns.

59210 FEVRIER, R. A quel poids faut-il vendre? Porc 24(2):25-27. Feb.1953. 46.8 P22
Costs and returns.

59211 FOCK, C. Farm returns in the crop year 1951. (In Swedish.) Kalmar Läns Södra Hushsällsk. Arsskr. 1952:127-133. 11 K122

59212 GROGAN, F. O. Production cost surveys; development and use in Australia. Austral. Bur.Agr. Econ. Q. Rev. Agr. Econ. 6:7-10. Jan.1953. 281.9 Au73

59213 HENEBERRY, W. H., SAUER, E. L., and CASE, H. C. M. Summary of records from 124 farms in the slowly permeable soils area of northeastern Illinois, 1951. Ill. Agr. Col. Ext. AE 2900,14 p. Aug.1952. 275.29 IL62P

59214 HINKE, A. Is fruit growing going to be profitable in the future—or not? (In Danish.) Gart.-Tid. 69: 121-122. Mar.9,1953. 80 G192

59215 HOLDERNESS, J. S. Costs and returns for feed crops New York cost account farms 1914—50. N. Y. Agr. Col. A. E. 848,22 p. Feb.1953. 281.9 C81

59216 HOLMSTROM, S. Agricultural income and cost estimates for 1953/54. (In Swedish.) Lantmannen 37:285-286,289. Mar.21,1953. 11 L234

59217 HOYER, M. G. Income chances from black walnut. Forest Farmer 12(6):8-9. Mar.1953. 99.8 F7692

59218 JONG, R. R. DE. Profitability of bacon production after the last price reduction. (In Dutch.) Doelmatige Veehouderij 1:141-143. Sept.1952. 49 D67

59219 LAVANCHY, J. A. Prix de revient du lait. Agrarpolit. Rev. 9:253-257. Mar.1953. 281.8 Ag824
Switzerland.

59220 LOTZ. Das arbeitseinkommen landwirtschaftlicher obstbaubetriebe. Agrarwirtschaft 2:86-88. Mar. 1953. 281.8 Ag826
Germany.

59221 MCCORKLE, C. O. Northern Kern County cotton-potato farms. 2. Costs, returns, and scale of operations. Giannini Found. Agr. Econ. Mimeog. Rpt. 143,65 p. Jan.1953. 281.9 G34M

59222 MAGEE, A. C., and HILL, H. O. Crop-share returns from crops grown by cooperators at Bluebonnet Farm. Tex. Agr. Expt. Sta. Prog. Rpt. 1563,3 p. Mar. 10,1953. 100 T31P

59223 MOLEN, H. VAN D, and WINTER, A. DE. Profitability of intensification of the grassland farm. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting 10:97-105. Mar.1953. 12 N383M
Netherlands.

59224 PADBERG, K. Die betriebsausgaben der landwirtschaft. Agrarwirtschaft 2:77-82. Mar.1953. 281.8 Ag826
Germany.

59225 PLOEG, J. VAN D. Observations on management economy. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:59-61. 12 N38Vg
Costs.

59226 A PRODUCER'S report: economics of beef cattle. Farm Mangt. 2(5):19-25. Apr.1953. 281.8 F2225
Costs and returns.

59227 PUGH, B. Beef production studies. Shorthorn World 37(20):63-64. Feb.1,1953. 43.8 Sh8
Costs and returns.

59228 RASTAD, I. Can mountain pasturing of dairy cattle be made more profitable? (In Norwegian.) Buskap og Avdrått 5:25-27. 1953. 49 B96

59229 ROCHMANN, R. Production costs in 1952 for Silver fox, Blue fox and mink kits. (In Norwegian.) Norsk Pelsdyrbl. 27:73-75. Mar.5,1953. 412.628 N812
Costs of feeding.

59230 SAVAGE, Z. Twenty years of citrus costs and returns in Lake County, Florida, 1931-51. Fla. Agr. Expt. Sta. AE Ser. 53-5,14 p. Mar.1953. 281.9 F663

59231 SCARBROUGH, C. Filbert harvest cost. Oreg. State Hort. Soc. Proc. 67:159-161. 1952. 81 Or3

59232 SCHWEIZERISCHES BAUERNSEKRETARIAT. Ergebnisse von buchhaltungserhebungen in landwirtschaftsbetrieben. Erntejahr 1950/51. Landwirt. Jahrb. der Schweiz 67:101-245. 1953. 17 L23

59233 SHULTIS, A., and GORDON, G. E. California dairy farm management. Calif. Agr. Expt. Sta. C. 417, 44 p. Nov.1952. 100 C12S
Contains income and expense data.

59234 TORNER, B. Lönsamheten inom lantbruket ar 1950/51 [Profitability within the Swedish agriculture in the year 1950/51]. Jordbr. Utredningsinst. Meddel. 2, 40 p. 1953. 11 St63M
English summary.

59235 U. S. BUR. OF AGRICULTURAL ECONOMICS. The farm cost situation. U. S. Bur. Agr. Econ. FCS-14, 22 p. Mar.1953. 1.941 F8F222

59236 UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH. DEPT. OF AGRICULTURAL ECONOMICS Financial results of poultry flocks in Wales, 1949-50 and 1950-51, by W. D. Jones. Penglais,1952. 25 p. 281.347 Un3

59237 VOELKER, D. E. Feed efficiency and labor returns. Milkman, Mar./Apr.1953:1,4. 44.8 M5962

59238 WELSH LAND SETTLEMENT SOCIETY. Co-operative farms and smallholdings with centralized services in Wales; report and accounts for 1950-51. London,1953. 36 p. 282.29 W46

59239 WILSON, J. L. Costs of production. 3. Strawberries paid, raspberries were unprofitable. Grower [London] 39:736. Apr.11,1953. 286.83 M34
Great Britain.

59240 WILSON, J. L. Production costs. II. Tomato plants at twopence. Grower [London] 39:585. Mar.21, 1953. 286.83 M34
Great Britain.

59241 WILSON, J. L. 300 hours for two tons of tomatoes. Grower [London] 39:535. Mar.14,1953. 286.83 M34
Production costs in Great Britain.

59242 WITTE. Lohnt das topfen von gemüsepflanzen? Deut. Landwirt.-Gesell. Mitt. 68:306-308. Mar.26,1953. 18 N39
Figures for costs given.

59243 ZIMMER, S. J. Easier and cheaper methods in the orchard. Com. Grower 2989:751-752. Apr.9,1953. 80 F941
Cost of picking and moving of fruit.

Land Settlement and Colonization

59244 ASSOCIAZIONE DELLA PROPRIETA FONDIARIA. The role of Proprietà Fondiaria in the development of the agricultural economy of Vercelli. (In Italian.) Conv. Naz. della Risicolt. Atti Uffic. 1:123-135. 1952. 59.9 C7623
Land settlement and agricultural policy.

59245 BARBOSA, I., PINTO, R. W. C., and VIEIRA, J. DOS. S. The plateau of Amboim, colonization zone. (In Portuguese.) Agron. Angolana 6:5-76. 1952. 24 Ag83
English summary.

59246 GARLIPP. Die deutsche bauernsiedlung und ihre aufgaben im Emsland. Landwirtbl. Weser-Ems 100: 345. Mar.26,1953. 18 L2345

59247 KEUNING, H. J. The first chapter of the history of settlement in the three northern provinces. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 44:74-92. Ref. Mar.1953. 280.8 T44
Includes soil types and land utilization in the Netherlands.

59248 MONTEIRO, J. F. DE S., and FONSECA, V. F. DA. Brief notice on the reclamation and parcelling of the "machongo" of Inhamissa. (In Portuguese.) Moçambique 71:5-36. July/Sept.1952. 110 M71

59249 OST, K. Das gesicht dem Osten zugewendet; zur problematik der flüchtlingssiedlung. Übersicht 4:107-110. Feb.1953. 18 Ub3
Germany.

59250 REDUCING the risk in reclamation farming. Reclam. Era 39:79-82. Apr.1953. 156.84 R24
Progress in soldier settlement.

59251 ROBERTSON, H. M. Jan van Riebeek and his settlement. So. African J. Econ. 20:309-330. Dec.1952. 280.8 So83

59252 SOUTHERN RHODESIA. LAND SETTLEMENT BOARD. Report for the period 1st January, 1952 to 30th September, 1952; together with the Report of the Under Secretary, Department of Lands for the year ended 30th September, 1952. Salisbury,1953. 24 p. 282.29 R34

59253 TREADGOLD, D. W. Russian expansion in the light of Turner's study of the American frontier. Agr. Hist. 26:147-152. Oct.1952. 30.98 Ag8

59254 YOHE, R. S. Finland resettles its war-displaced farmers. Foreign Agr. 17:76-80. Apr.1953. 1.9 Ec7For

Land Tenure

59255 BEAN, L. H. More owners, fewer renters. Co-op Grain Q. 11:45-48. Mar.1953. 280.28 C7898

59256 BOERENDONK, M. J. The control of rental and purchase prices of agricultural land in the Netherlands. (In Dutch.) Pacht 13:66-86. Mar.1953. 282.8 P11

59257 BOLLA, G. Family holdings of mountain territory and their private rights (a propos of article 34 of the Fanfani law on the mountains). (In Italian.) B. dell'Agr. 97(12):1-2. Mar.20,1953. 16 B87

59258 CERCLER, R. Situation et avenir de la propriété foncière rurale. Renaissance Agr. Métrop. et Colon. 7(2):1-2,8. Feb.1953. 14 R292

59259 CHAMBERS, J. D. Enclosure and labour supply in the industrial revolution. Econ. Hist. Rev. (ser.2)5:319-343. 1953. 277.8 Ec7
Great Britain.

59260 CHIARALUCE, O. The conquest of the agrarian reform advances in the "Corea" of Sardinia. (In Italian.) Agricoltura 2(2):61-63. Feb.1953. 16 Ag8226

59261 CHRYST, W. E. Adjusting farm rents to changes in prices, costs and production. (Abs.) Iowa State Col. J. Sci. 27:146-147. Jan.1953. 470 Io9

59262 CLIFF, N. Gandhi's disciple and land reform. New Statesman & Nation 45:419-420. Apr.11,1953. 280.8 N2132

59263 DANNIN, R. Agriculture et chasse. Agr. Prat. 117:119-120. Mar.1953. 14 J82
France.

59264 EGUINO ZABALLA, F. Una contribución al planeamiento de la reforma agraria. Gac. Campesina 1: 34-37. Aug.1952. 281.28 G11
Bolivia.

59265 FRANCO, F. Ley de 20 de diciembre de 1952, sobre concentración parcelaria. Spain. Min. de Agr. B. de Inform. 5(38):6-9. Nov./Dec.1952. 281.9 Sp1

59266 GALLASTEGUI ARTIZ, I., and RUIGOMEZ VELASCO, V. La concentración parcelaria en las Provincias Vascongadas. Asoc. Nac. de Ingen. Agrón. B. 3 (35):7-10. Feb.1953. 58.9 As5
Size of farms.

59267 GALVAN, A. Considerations on the closed mass. (In Italian.) Agr. delle Venezie 7:28-31. Jan. 1953. 16 Ag826
Land inheritance.

59268 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Bodenbenutzung in den land- und forstwirtschaftlichen betrieben. Heft 2. Ergebnisse der landwirtschaftlichen betriebszählung vom 22. Mai 1949. Germany. Statis. Bundesamt. Statis. der Bundesrepub. Deut. 22,564 p. Mar.1953. 265 G318
Number of farms and land utilization by size classes.

59269 GEUNS, S. G. VAN. Rent and interest on consolidation of holdings. (In Dutch.) Pacht 13:34-35. Feb.1953. 282.8 P11
Netherlands.

59270 GIL MONTERO, J. El morbo minifundista. Siembra [Madrid] 8(12):12-14. Dec.1952. 15 Si1

59271 GRUBER, A. Das kulturelle grundbuch des bauernhofes. Bauer 6(14):2-3. Apr.4,1953. 19 B32
Austria.

59272 GUTIERREZ, M. Agrarian reform in Guatemala. Trade Unions Internatl. Agr. & Forestry Workers. Inform. B. 4:10-15. Jan.1953. 283.9 T67

59273 HAECKER. Pachtvertrag statt hofübergabe. Württemb. Wchnbl. f. Landwirt. 120:331. Mar.28,1953. 18 W96

59274 HAMBROUCK, K. Consolidation of land holdings and recovery of lost land. (In Flemish.) Cult. en Handel 19:222-224. Apr.1953. 80 C892
Belgium.

59275 HANNAY, A. M., GOOCH, D. W., and GOULD, M. L. Land ownership; a bibliography of selected references. U. S. D. A. Bibliog. B. 22,293 p. Jan.1953. 1 Ag84Bi

59276 HUMPF, J. Die jagd und der wildschaden. Württemb. Wchnbl. f. Landwirt. 120:253. Mar.7,1953. 18 W96

59277 JORDENS, H. W. Dwelling place law and lease. (In Dutch.) Pacht 13:38-40. Feb.1953. 282.8 P11
Netherlands.

59278 KIMMICH. Pachtvertrag statt hofübergabe? Württemb. Wchnbl. f. Landwirt. 120:217-218. Feb.28, 1953. 18 W96

59279 KONDO, Y. The land reform in Japan. Tokyo. Natl. Res. Inst. Agr. B. 2,36 p. Mar.1952. 22.5 T573

59280 LAND reform in Italy. Canada. Dept. External Aff. External Aff. 5:62-67. Mar.1953. 280.9 C1623

59281 MONTAGNE, R. Au sujet de la résiliation du bail. Prog. Agr. et Vitic. Apr.5/12:222-223. 14 P94
France.

59282 NIJSSEN, H. Indemnification for tenants for dispossession and application of art. 31 of the tenancy decree. (In Dutch.) Pacht 13:36-37. Feb.1953. 282.8 P11
Netherlands.

59283 PLANER, E. Die kündigung von landpachtverträgen. Allgäuer Bauernbl. 21:161-162. Mar.12,1953. 18 AL53

59284 LA REFORME agraire de 1789. J. du Fermier et du Metayer 18:4-5. Feb.1953. 281.8 J823
France.

59285 RIFAAT, M. A. Où va l'Egypte? Soc. Belge d'Etudes et d'Expansion. B. Bimes. 154:59-64. Jan./Feb. 1953. 280.8 So17
Includes land tenure and the cotton industry.

59286 SCHMIDT. Das neue Bundesjagdgesetz. Landwirt. Z. der Nord-Rheinprov. 120:221. Feb.21,1953. 18 L2344

59287 SHEPARD, A. C. Memorandum opinion and order; findings of fact and conclusions of law and judgment in the Albonico case. Subject: acreage limitation as applied to private lands is invalid and unenforceable. San Francisco,Irrig. Dist. Assoc. of Calif.,1952. 22 p. 282.010 Sh4

59288 SMITH, R. S. Transferring farm ownership by purchase contract. N. Y. Agr. Col. Farm Econ. 189: 4975-4977. Mar.1953. 280.8 C812

59289 SOLLEN, R. H. Quirino vs. U.S.; Philippine land reform. Nation 176:268-269. Mar.28,1953. 280.8 N215

59290 TAKAHASHI, I. Postwar consolidation and exchange of land in Netherland. (In Japanese.) Nōgyō Sōgō Kenkyū 7:263-268. Jan.1953. 22.5 N687

59291 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 24: Census year 1949-50. Special report series, No. 24. Area of farms occupied by whites. Pretoria,1953. 39 p. 270 So87L

59292 WETTERHALL, H. How does the structure rationalization work? (In Swedish.) Nord. Lantbrekon. Tidskr. 3:10-14. 1953. 281.8 N75
Size of farm.

59293 YOHE, R. S. Germany tackles its land problem. West. Farm Life 55(5):20,23. Mar.1,1953. 6 R153
Consolidation of land in larger plots.

Land Utilization

59294 CARVALHO, D. DE, and CAMARGO, F. DE. Use of the Amazon plains for intensive food production. (In Portuguese.) Orientação Econ. e Financ. 10(111):39, 42,50. Dec.1952. 280.8 Or42

59295 ELLISON, W. Marginal land in Britain. London,Bles,1953. 224 p. 282.171 EL5

59296 FOX, J. W. A land-use survey of New Zealand and its application in the Auckland Province. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:159-160. 1951,pub.1952. 90.09 R81R

59297 GARLAND, K. R. Macorna land-use survey. Victoria. Dept. Agr. J. 51:29-33,36. Jan.1953. 23 V66J

59298 HOLLOWAY, J. T. Marginal land problems of Nothofagus forest soils. Roy. Soc. New.Zeal. Sci. Cong. Rpt. 7:234-235. 1951,pub.1952. 90.09 R81R

59299 JOHNSTON, W. B. Some aspects of land use on Rarotonga, Cook Islands. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:161-162. 1951,pub.1952. 90.09 R81R

59300 RHYS, J. P. Town and country planning. III. Real Estate J. (n.s.)3:283-285. Apr.1953. 282.8 R22
Great Britain.

59301 SUBRAHMANYAM, J. Survey of Hindupur Taluk, Anantapur District with special reference to cultivable waste lands. Madras Agr. J. 40:47-50. Feb.1953. 22 M262

59302 WEATHERHEAD, T. D. Aerial survey and agricultural development. Empire Cotton Growing Rev. 30:110-116. Apr.1953. 72.8 Em7

Land Values and Valuation

59303 ABEL, H. Effect of expanding western population on livestock marketing and range value. Appraisal J. 21:239-243. Apr.1953. 282.8 Am3

59304 ALLRED, W. M. Value of improved roads to property in rural areas of New York State. N. Y. Agr. Col. Farm Econ. 189:4970-4971. Mar.1953. 280.8 C812

59305 ANTONIETTI, A. "Outlook" in appraisals. (In Italian.) Genio Rur. 16:27-28. Feb.1953. 281.8 R522

59306 BERNARDI, B. On the value of the expression: Vs=Vm—Vo in relation to arboretums. (In Italian.) Genio Rur. 16:29-32. Ref. Feb.1953. 281.8 R522

59307 CANADA. MARKETING SERV. ECONOMICS DIV. Alberta farm land value and market situation, by T. H. Askin. Ottawa,1952. 15 p. 284 C166

59308 ETIENNE, A. L'estimation des biens. Rev. Agr. de l'Afrique du Nord 51:336-338. Mar.27,1953. 80 R326

59309 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Marketing information for Kansas farmers; land values, credit, taxation, and tenure, by M. L. Otto, and W. H. Pine. Manhattan,1952. 4 p. 275.2 K133MaL

59310 TONTZ, R. L. Forced sales are fewer as land values go higher. Farmer Stockman 56(5):13,56-57,67. May 1953. 6 Ok45

POPULATION

59311 CHANDRASEKHAR, S. India's population problem. In Mysore. Central Food Technological Research Institute. Food and population and development of food industries in India, p.25-45. Mysore,1952. 389 M992

59312 CHRISTENSEN, H. T. Rural-urban differences in the spacing of the first birth from marriage: a repeat study. Rur. Sociol. 18:60. Mar.1953. 281.28 R88

59313 CLARIFICATION of the cartogram on the number of sons of 25 years and older working on parental farms in percentage of the total number of farm heads as of May 31, 1947. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 44:65-67. Mar.1953. 280.8 T44

59314 DENMARK. STATISTISKE DEPT. Befolkningens bevaegelser, 1951. Vital statistics 1951. Denmark. Statis. Dept. Statis. Meddel. (ser.4)150(3):80 p. 1953. 257.1 St2M

59315 JEHLIK, P. J. What the census shows about Iowa farms and farm families. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:161-162. Mar.1953. 275.28 Io94

59316 LEBON, J. H. G. Population distribution and the agricultural regions of 'Iraq. Geog. Rev. 43:223-228. Apr.1953. 500 Am35G

59317 MOORAHREND. Hilfsmassnahmen für die bäuerlichen flüchtlingsfamilien aus der Sowjetzone. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:617-619. Apr.9,1953. 18 L2346

59318 NOJIRI, S. The true nature of the rural overpopulation in Japan. (In Japanese.) Nogyo Keizai Kenkyu 24:841-858. Feb.1953. 281.8 N68

59319 OTTESEN-JENSEN, E. India's population problem. (In Swedish.) Sweden. Socialstyr. Sociala Meddel. 2:79-83. 1953. 257.3 So1S
English summary, p. 131.

59320 PEPE, A. Return to the land. (In Italian.) Agricoltura 2:40-44. Jan.1953. 16 Ag8226

59321 PERRAUDIN, G. Le sort des populations montagnardes. Almanach Agr. de la Suisse Romande 91:68-70. 1953. 30.3 AL6

59322 STEINER, J. F. Japan's post-war population problems. Social Forces 31:245-249. Mar.1953. 280.8 J823
Includes farm population.

59323 SUPPLEMENTARY clarification of the cartogram on the absolute increase or decrease of male farm heads and subordinates in agriculture and livestock raising in 1947 compared with 1930. (In Dutch.) Tijdschr. v. Econ. en Sociale Geog. 44:67-68. Mar.1953. 280.8 T44
Netherlands.

59324 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Eidgenössische volkszählung 1. Dezember 1950. Band 14, Kanton Schwyz. Bern,1953. 116 p. 262 St2Q
Includes population engaged in agriculture.

59325 WIDSTAM, T. The population census of 1950: economically active population. Preliminary data. (In Swedish.) Sweden. Statis. Centbyrån. Statis. Tidskr. 2:8-16. Jan.1953. 257.3 St2S
Includes farm labor.

RURAL SOCIAL ORGANIZATION

59326 ANDERSON, W. A. Social change and an urban fringe area; Ithaca, New York, a case illustration. N. Y. (Cornell) Agr. Expt. Sta. Rur. Sociol. P. 35,28 p. Feb. 1953. 100 N48Cm

59327 AURBACH, H. A. Social stratification in the collective agricultural settlements in Israel. Rur. Sociol. 18:25-34. Mar.1953. 281.28 R88

59328 BELL, A. The path by the window. London, Bodley Head,1952. 191 p. 281.2 B41P

59329 CONFEDERAÇAO RURAL BRASILEIRA. Rural social service. (In Portuguese.) Lavoura 56:10-15. Nov./Dec.1952. 9.2 L39
Brazil.

59330 DOBYNS, H. F. Thirsty Indians; introduction of wells among people of an arid region. Human Organ. 11(4):33-36. Winter 1952. 280.8 Ap5
Cultural aspects.

59331 DUARTE, F. E. Rural social service. (In Portuguese.) Minas Gerais. Dept. de Prod. Veg. B. de Agr. 1(11):67-76. (Cont.) Nov.1952. 9.2 M663

59332 ERASMUS, C. J. Agricultural changes in Haiti: patterns of resistance and acceptance. Human Organ. 11 (4):20-26. Winter 1952. 280.8 Ap5

59333 FESSLER, D. R. Development of measurement techniques for the comparative sociological analysis of rural communities. (Abs.) Iowa State Col. J. Sci. 27:170-171. Jan.1953. 470 Io9

59334 KAUFMAN, H. F., and others. Problems of theory and method in the study of social stratification in rural society. Rur. Sociol. 18:12-24. Mar.1953. 281.28 R88
O. D. Duncan, N. Gross, and W. H. Sewell, joint authors.

59335 KERNAN, H. S. Forest life in the Elborz Mountains. Pa. Forests 38:5-6,20. Jan./Mar.1953. 99.8 F763
Rural life.

59336 LEHMANN, S. Der goldene pflug und die erste furche. Ubersicht 4:122-124,131-133. Feb.1953. 18 Ub3
Significance in the culture of the people.

59337 LEIBFRIED, E. Das schwerbeschädigtenproblem in der landwirtschaft. Württemb. Wchnbl. f. Landwirt. 120:246-247. Mar.7,1953. 18 W96

59338 O'CONNOR, J., and WIBBERLEY, G. P. Social problems in the development of livestock rearing areas. Gt. Brit. Min. Agr. Agriculture 59:564-570. Mar. 1953. 10 G79J

59339 ORTZEN, L. The Gallic land: country life in France. London,Phoenix House,1952. 240 p. 281.2 Or8

59340 STACY, W. H. Rural art and culture. Town & Country Church 88:1-2. Apr.1953. 281.28 T66

59341 WOOD, W. From a Highland croft. Edinburgh,Oliver & Boyd,1952. 48 p. 281.2 W85

59342 ZELINSKY, W. The log house in Georgia. Geog. Rev. 43:173-193. Apr.1953. 500 Am35G
Log Culture Area.

Human Ecology

59343 AMERICAN planning and civic annual, 1952. Washington,D.C.,Amer. Planning & Civic Assoc.,1952. 142 p. 280.9 Am322
Includes papers on regional planning and reclamation.

59344 CLAPP, G. R. Tennessee Valley Authority. Amer. Planning & Civic Annu. 1952:31-35. 280.9 Am322

59345 HOFF, C. M. The valley with a vision. Amer. Planning & Civic Annu. 1952:42-50. 280.9 Am322
Brandywine Valley Association.

59346 KOTTER, H. Struktur und funktion von landgemeinden im einflussbereich einer deutschen Mittelstadt. Inst. f. Sozwiss. Forsch. Schr. 1,182 p. Ref. 1952. 280.9 D25
English summary.
Includes the rural aspects of this community survey.

59347 PLANJE, J. P. Agriculture and regional planning. II. (In Dutch.) Boer en Tuinder 7(315):3. Feb. 28,1953. 12 B632

59348 PLANJE, J. P. Agriculture and regional planning. IV. (In Dutch.) Boer en Tuinder 7(317):3. Mar.14,1953. 12 B632
Netherlands.

59349 SLOCUM, W. L., and CASE, H. M. Are neighborhoods meaningful social groups throughout rural America? Rur. Sociol. 18:52-59. Mar.1953. 281.28 R88

59350 U. S. TENNESSEE VALLEY AUTHORITY. TVA, two decades of progress. Washington,1953. 76 p. 173.2 T25Tent

59351 VAZQUEZ CALCERRADA, P. B. A research project on rural communities in Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. E. & R. S. 20:3-16. Sept.1952. 100 P83Es

59352 WENGERT, N. Antecedents of TVA: the legislative history of Muscle Shoals. Agr. Hist. 26:141-147. Ref. Oct.1952. 30.98 Ag8

59353 WRIGHT, G. P. Improving Arkansas rural communities through group action. Ark. Agr. Col. Ext. L. 186,4 p.-folder. Mar.1953. 275.29 Ar4Le

Institutions

59354 ADKINS, W. G., and MOTHERAL, J. R. Retirement plans of farm operators, Wharton County, Texas, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1565,4 p. Mar.18,1953. 100 T31P

59355 ALBERT, W. Ausstellung Markkleeberg. Deut. Bauern Kal. 1953:91-93. 18 D4826

59356 ANGELLE, R. P. Necessary qualifications for a teacher in vocational agriculture. Agr. Educ. Mag. 25: 228. Apr.1953. 275.8 Ag8

59357 ARKANSAS UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Arkansas farmers stand ready. Ark. Agr. Col. Ext. C. 470,14 p. n.d. 275.29 Ar4
Role of the Extension Service in Arkanas agriculture.

59358 ARNIM, W. VON. Wirtschaftsberatung in anderen ländern: das landwirtschaftliche beratungswesen in Dänemark. AID Rundschau 2:14. (Concl.) Apr.1952. 18 A12

59359 BALASUBRAMANIAN, C., and GOPALAKRISANAN, R. Agricultural folk lore in Malabar. Madras Agr. J. 40:55-59. Feb.1953. 22 M262

59360 BARBER, J. W. Service to farmers highlights history of extension. Idaho Agr. Sci. 38(2):1-2. Second Q. 1953. 276 Id13N

59361 BECKER, H. Lernen, lernen und nochmals lernen! Deut. Bauern Kal. 1953:70-73. 18 D4826
Education in the Russian Zone of Germany.

59362 BLORE, M. M. Report of the county produce exhibition of the Worcestershire Federation of Women's Institutes. Worcestershire Agr. Chron. 21:43,45,47,49. Nov.1952/Feb.1953. 10 W892

59363 BLUMKE. Diplomlandwirt—gesucht! Diplomlandwirt 3:26-28. Mar.1953. 18 D62
Germany.

59364 BRISCOE, S. Count the Negro agents in on this; farm and home agents are playing an important role in the advancement of colored farmers. Ext. Serv. Rev. 24: 53,58. Mar.1953. 1 Ex892Ex

59365 BROWN, B. O. Vo-ag teaching as a career. Agr. Educ. Mag. 25:232,237. Apr.1953. 275.8 Ag8

59366 CANFIELD, C. R. A school administrator's estimate of a good teacher. Agr. Educ. Mag. 25:221. Apr.1953. 275.8 Ag8

59367 CASA PACHECO, MARGUES DE. La guarderia del campo. Cult. Mod. 36:18. Jan.1953. 15 C89
Spain.

59368 CASHMORE, W. H. A missing link between research and the field. Power Farmer 10:130. Apr.1953. 58.8 P872
Failure to get new machines and methods through to the farmer.

59369 CAVESTANY, R. La responsabilidad de ser ingeniero agrónomo. Asoc. Nac. de Ingen. Agrón. B. 3 (35):3-4. Feb.1953. 58.9 As5

59370 COLEMAN, K. G. South Africa is giving greater responsibility to native rural authorities. Transkeian Ter. Agr. Dept. Umcebisi Womlimi Nomfuyi 30: 36-37. Feb.1953. 24 T684

59371 COWLES, M. L. Changes in family personnel, occupational status, and housing occurring over the farm family's life cycle. Rur. Sociol. 18:35-44. Mar.1953. 281.28 R88

59372 CUVIER, G. Importance de l'endémie tuberculeuse en milieu agricole. Acad. Natl. de Méd. B. (ser. 3)137:135-137. Feb.1953. 448.9 P21

59373 DEEMS, H. W. Teacher selection and recruitment. Agr. Educ. Mag. 25:221-222,228. Apr.1953. 275.8 Ag8

59374 DEGEN, M. Landjugendberatungsarbeit in der Hachelfel. Ausbild. u. Beratung in der Landwirt. 6:42. Mar.1953. 18 N11

59375 DEL RIO, A. P. The urgent needs of the Philippines. Agr. & Indus. Life 15(2):9,46. Feb.1953. 25 Ag8
Educated farmers.

59376 DILDINE, G. C. Research project on developmental needs of youth and training in human relations. n,p.,Natl. 4-H Club Found. Amer.,1952. 275.2 D57

59377 DILDINE, G. C. Why are young folks that way? Ext. Serv. Rev. 24:50-51. Mar.1953. 1 Ex892Ex
Understanding youth needs for better working relationships with extension agents.

59378 DONOVAN, H. What makes a first-rate teacher? Agr. Educ. Mag. 25:223,227. Apr.1953. 275.8 Ag8

59379 DRAKE, E. M. Farming status and reading preference in a magazine-type publication presenting farm information. (Abs.) Iowa State Col. J. Sci. 27:159-160. Jan.1953. 470 Io9

59380 EMERSON, D. Games for 4-H Club meetings. Md. Agr. Col. Ext. B. 123,19 p. Apr.1953. 275.29 M36B

59381 FARM FOUNDATION, CHICAGO. Increasing understanding of public problems and policies; a group study of three topics in the field of extension education. Chicago,1952. 143 p. 275.2 F223

59382 FERNQVIST, N. New tasks for the information service of our organizations. (In Swedish.) SL-kontakt 1/2:13-17. 1953. 11 Sv28S

59383 FLOYD, A. Follow me—. Agr. Educ. Mag. 25: 224. Apr.1953. 275.8 Ag8
Teaching of vocational agriculture.

59384 GALLUP, G. Evaluating home economics extension work. Washington,U. S. Ext. Serv.,1952. 12 p. 1.913 A2G13
Talk, Land-Grant College Association meeting, Washington, D. C., Nov. 10, 1952.

59385 GARRIS, E. W. Supervisory needs of beginning teachers. Agr. Educ. Mag. 25:231. Apr.1953. 275.8 Ag8

59386 GEORGIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Annual report, 1952. Ga. Agr. Col. Ext. B. 576,26 p. Jan.1953. 275.29 G29

59387 GFRERER. Sieben jahre kammerarbeit! Salzburger Bauer 8(10):2-3. (Cont.) Mar.5,1953. 19 Sa3

59388 GFRERER. Sieben jahre kammerarbeit! Salzburger Bauer 8(11):12,14-15. (Cont.) Mar.12,1953. 19 Sa3

59389 GILLESPIE, J. R. Are two "quarters" better than one? Agr. Educ. Mag. 25:225. Apr.1953. 275.8 Ag8

59390 GOSELE, L. Der besuch der landwirtschaftsschulen in Nordwürttemberg. Württemb. Wchnbl. f. Landwirt. 120:312-314. Mar.21,1953. 18 W96

59391 GOW, M. Love that Y. T. S. B. C. Farmer & Gard. 8(3):4-5,15. Mar.1953. 7 F86
Youth Training School, Canada.

59392 GOWDA, R. N. The importance of practical training in agriculture. Madras Agr. J. 40:3-4. Jan.1953. 22 M262

59393 GRAFEN, F. Uber die methodik der sachfächer in der landwirtschaftl. berufsschule. Ausbild. u. Beratung in der Landwirt. 6:45-48. Mar.1953. 18 N11

59394 GRANADA, D. T. Suggestive system for grading vocational subjects. Agr. & Indus. Life 15(2):16-17, 52-53. Feb.1953. 25 Ag8

59395 GRAY, F. Folk dancing in Letcher County, Kentucky. Mountain Life & Work 29:26-27. Winter 1953. 281.28 M86

59396 HADLEY, D. Let the students do the teaching. Agr. Educ. Mag. 25:231,236. Apr.1953. 275.8 Ag8

59397 HAUSSIG, L. So lebt die kolchosbäuerin in der Sowjetunion! Deut. Bauern Kal. 1953:90. 18 D4826

59398 HEGMANN. Aufgaben und verpflichtungen der landfrauen in den wandlungen unserer zeit. Landwirt. Z. der Nord-Rheinprov. 120:364-365. Mar.21,1953. 18 L2344

59399 HOF, J. Experiments in Zeeland with education. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45: 149. Mar.11,1953. 44.9 AL3
Agricultural.

59400 HOLMAN, R. L. Farm education must be diversified. Your Farm 12(4):103-106. Apr.1953. 6 Y8

59401 HOSTETLER, J. A., and MATHER, W. G. Participation in the rural church. Pa. Agr. Expt. Sta. Dept. Agr. Econ. & Rur. Sociol. J. Ser. Paper 1762,64 p. Ref. Oct.1952. 100 P381J

59402 HUSEN, L. Die gleichberechtigung der landfrau. Deut. Bauern Kal. 1953:64-65. 18 D4826
Russian Zone of Germany.

59403 HUTSON, D. B. Summer workshops prove valuable to teachers. Agr. Educ. Mag. 25:235. Apr. 1953. 275.8 Ag8

59404 INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. A report on your extension program; thirty-ninth annual report of the director. Lafayette,1952. 32 p. 275.29 In2

59405 JACCARD, C. R. Policy work with women's groups in Kansas. In Farm Foundation. Increasing understanding of public problems and policies, p.113-121. Chicago,1952. 275.2 F223

59406 JEURINK, J. Das studium der landwirtschaft in den Niederlanden. Diplomlandwirt 3:28-30. Mar.1953. 18 D62

59407 JUAN, V. C. The Mindoro National Agricultural School—its history and role in our economic development. Agr. & Indus. Life 15(2):36,46. Feb.1953. 25 Ag8

59408 JUERGENSON, E. M. Opportunities in teaching vocational agriculture. Agr. Educ. Mag. 25:220,230. Apr.1953. 275.8 Ag8

59409 KLAUDER, G. Das landwirtschaftliche schulwesen in Schweden. Übersicht 4:133-136. Feb.1953. 18 Ub3

59410 KNEELAND, A. M. Macedonia co-op community turned trees into toys. Mountain Life & Work 29:5-10. Winter 1953. 281.28 M86
Georgia.

59411 KNUTI, L. L. Text materials as teaching aids. Agr. Educ. Mag. 25:240. Apr.1953. 275.8 Ag8

59412 KOHLER, H. Der tonfilm; ein wichtiges hilfsmittel in der bäuerlichen wirtschaftsberatung. AID Rundschau 2:13-14. Apr.1952. 18 Ai2
Germany.

59413 KOSHY, T. A. Extension education. Allahabad Farmer 26:223-231. Nov.1952. 22 AL5

59414 KRAFT, J. O, diese bauern! Ed. 2. Wien, Verlag für Geschichte und Politik,1952. 30 p. 283 K85

59415 KULTHONGKAM, S. The economic position of American farmers. (In Siamese.) Kasikorn 26:38-44. Jan.1953. 22.5 K15
English summary.

59416 LAGON, F. The Fair and the future of Philippine agriculture. Agr. & Indus. Life 15(2):12,45. Feb. 1953. 25 Ag8
The Philippine International Fair.

59417 LAINE, Y. More opportunities for working are required in the country. (In Swedish.) Lantm. och Andelsfolk 26:26-28. Feb.15,1953. 20 L29
In Finland.

59418 LAMBERT, S. M. Meet today's rural teacher. Natl. Educ. Assoc. NEA J. 42:229-231. Apr.1953. 275.9 N21J

59419 LANE, J. H. What has happened to the country doctor? Mo. Agr. Expt. Sta. B. 594,14 p. Feb.1953. 100 M693

59420 LEE, H. Consolidated schools of brick. Kans. Agr. Student 29(4):18-19,43. Mar.1953. 276.8 K13

59421 LEIDL, E. Blick in die Wiener Frühjahrsmesse. Salzburger Bauer 8(15):8-9. Apr.9,1953. 19 Sa3

59422 LEMMER, G. F. Norman J. Colman and Colman's Rural World, a study in agricultural leadership. Mo. U. Studies 25(3),168 p. Ref. 1953. 470 M69

59423 LEUTRUM, M. L. GRÄFIN. Die gefahren der arbeitsüberlastung der bäuerin für gesundheit und familienleben. In Saller, K., ed. Gesundes land, gesundes leben, p.238-243. München,Pflaum,1953. 33.27 Sa3

59424 LIBBY, L. E. Flannel helps cover co-op story. News Farmer Coop. 20:7,15. Apr.1953. 166.2 N47
Maine Potato Growers, Inc., use flannelgraphs to describe their work.

59425 LOFKEN, A. Die neuen gebäude der Landwirtschaftskammer Westfalen-Lippe. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:520,522. Mar.26,1953. 18 L2346

59426 MCNEAL, A. L. Library service to rural areas: a proposal. Rur. Sociol. 18:61-64. Mar.1953. 281.28 R88

59427 MAIER-BODE, F. W. Landwirtschaftliche ausstellungen und messen. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:471-472. Mar.19,1953. 18 L2346

59428 MARTIN, G. Landwirtschaftliche selbstverwaltung in Osterreich. Deut. Landwirt.-Gesell. Mitt. 68: 316. Mar.26,1953. 18 N39
Chambers of agriculture.

59429 MASSAGUES, J. M. Seguro mutuo de animales de tiro. Cult. Mod. 36:5-6. Jan.1953. 15 C89
Spain.

59430 MAZZALI, E. Temperament of the Valtellinese (In Italian.) Rass. Econ. della Prov. di Sondrio 6(2):13-15. Feb.1953. 287 So5

59431 METAWEH, I. E. An Egyptian experiment in functional education: a rural community school. Social Educ. 17:173-175. Apr.1953. 280.8 So123

59432 MEYER ZU BENTRUP, H. Die landwirtschaftskammer wieder im eigenen haus. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:515-516. Mar.26,1953. 18 L2346

59433 MOSTL, R. Eltern hört, jugend hilf! Bauer 6(12):10-11. Mar.21,1953. 19 B32
Austria.

59434 MUNDY, C. S. Financing rural medical care. Pa. Grange News 50:1-2. Apr.1953. 6 P38

59435 NEAL, E. E. The education of the Southern Negro in a changing economy. J. Negro Educ. 22:216-220. Spring 1953. 275.8 J827

59436 NILAPANT, V. Training course for agriculture extension officers. (In Siamese.) Kasikorn 25:518-521. Nov.1952. 22.5 K15

59437 NORMAN, G. C. Qualification for supervisors. Agr. Educ. Mag. 25:232. Apr.1953. 275.8 Ag8

59438 PAN AMERICAN UNION. DEPT OF CULTURAL AFFAIRS. La enseñanza agrícola en la escuela primaria. Washington,1952. 95 p. (Biblioteca Panamericana del Maestro, 2) 275.1 P19

59439 PRAX, A. Nouvelle réglementation des allocations familiales. Prog. Agr. et Vitic. Apr.5/12:220-222. 14 P94
France.

59440 PRAX, A. La nouvelle réglementation des allocations familiales agricoles; taux des cotisations. Prog. Agr. et Vitic., Mar.29,1953:196-197. 14 P94

59441 PRAX, A. Nouvelle réglementation des allocations familiales: émission et recouvrement des cotisations. Prog. Agr. et Vitic., Mar.15/22,1953:164-165. 14 P94

59442 RABELO, J. A. Agricultural education in Brazil. (In Portuguese.) Chacaras e Quintais 87:220-221. Feb.15,1953. 9.2 C34

59443 RAO, R. V. Cottage industries in India. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:123-128. 280.29 H78

59444 REBER, N. F. School jointures. Pa. Farmer 148:342-343,360. Apr.11,1953. 6 P383
The school jointure movement in rural Pennsylvania.

59445 REESE, M. J. Whom do we salute? Washington,U. S. Ext. Serv.,1952. 3 p. 1.9 Ex892Rem
Address before annual meeting of the National Home Demonstration Agents' Association, Chicago, Nov. 8, 1952.
Home demonstration agents.

59446 ROBINSON, H. Who's ruining your health? Ark. Agr. Col. Ext. L. 176,4 p.-folder. Aug.1952. 275.29 Ar4Le

59447 ROTH, G. Wheat will vote. Nation 176:327-328. Apr.18,1953. 280.8 N215

59448 RUSK, H. P. Our accomplishments and the job ahead. Urbana,Col. of Agr.,U. of Illinois,1952. 15 p. 275.1 R89

59449 SCHROEDER, H. W. A rural school administrator looks at the teacher of agriculture. Agr. Educ. Mag. 25:229-230. Apr.1953. 275.8 Ag8

59450 SHAW, M. Construction of community hospitals in rural districts. Manitoba Co-op. 10(34):3. Mar.26, 1953. 280.28 M31

59451 SILLARS, M. O. Henry A. Wallace's editorials on agricultural discontent, 1921—1928. Agr. Hist. 26: 132-140. Ref. Oct.1952. 30.98 Ag8

59452 SISK, G. N. Negro education in the Alabama Black Belt, 1875-1900. J. Negro Educ. 22:126-135. Spring 1953. 275.8 J827

59453 SMATHERS, E. The church moves the community. Christian Rur. Fellowship B. 179:1-7. Jan. 1953. 281.29 C46

59454 SMITH, D. V. Planning for retirement. Ext. Serv. Rev. 24:44,58. Mar.1953. 1 Ex892Ex

59455 SMITH, M. G. Work in Ohio with farm organizations, government agencies, and other agencies on current public problems. In Farm Foundation. Increasing understanding of public problems and policies, p.121-125. Chicago,1952. 275.2 F223

59456 SNOWDEN, O. L. Selecting prospective teachers of vocational agriculture. Agr. Educ. Mag. 25:222. Apr.1953. 275.8 Ag8

59457 STEIDLE, L. Gesundheitsfragen in der landwirtschaft. Deut. Bauern Kal. 1953:60-62. 18 D4826
Russian Zone of Germany.

59458 STEVENS, G. Z. Factors involved in the selection of supervising teachers of vocational agriculture in Minnesota. Mich. U. Diss. Abs. 13:60. Feb.1953. 241.8 M58

59459 STOCKL. Besprechung über die praktische berufs-ausbildung in der landwirtschaft auf bundesebene. Ausbild. u. Beratung in der Landwirt. 6:43-44. Mar.1953. 18 N11
Germany.

59460 TASCH. Der wiederaufbau der Landwirtschaftskammer Westfalen-Lippe. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:516-517. Mar.26,1953. 18 L2346

59461 TORRES, A. Women in rural mobilization. (In Portuguese.) Lavoura 56:35-36. Nov./Dec.1952. 9.2 L39
Brazil.

59462 TYRER, T. G. Filming a farming community. New Zeal. Dairy Exporter 28(9):12-14. Mar.1953. 44.8 N484

59463 UCHIYAMA, M. Activities of agricultural extension agents. (In Japanese.) Nōgyō Sōgō Kenkyū 7: 217-238. Jan.1953. 22.5 N687

59464 UNITED NATIONS EDUCATIONAL SCIENTIFIC AND CULTURAL ORGANIZATION. Teaching agriculture: a selected bibliography. Paris,1952. 52 p. (Its Occasional Papers in Education 15) 241.25 Un32

59465 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. 50th birthday of farm demonstrations, by W. A. Ruhmann, G. G. Gibson, W. Porter, B. M. Harris, and C. M. Ferguson. Washington,Feb.28,1953. 4 p. 1.914 R2R11

59466 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A visit with two rural educators, by C. M. Ferguson, N. Mindrum, and J. Towers. Washington, Feb.7,1953. 2 p. 1.914 R2R11
On extension work and the International Farm Youth Exchange project.

59467 U. S. EXTENSION SERV. Report by women trainees; evaluation report of our study trip through the U. S. Washington,1952. 7 p. 1.913 S2R295

59468 U. S. EXTENSION SERV. The young men and women's program of the Cooperative Extension Service, by W. E. Schmidt. Washington,1953. 10 p. 1.913 O2Y82

59469 U. S. EXTENSION SERV. DIV. OF AGRICULTURAL ECONOMICS. Helping people improve community living; a summary of extension work in the United States in 1951-52 in rural sociology, community development, health education, recreation, by E. J. Niederfrank. Washington,1952. 21 p. 1.913 A5H36

59470 U. S. PRESIDENT'S COMMISSION ON THE HEALTH NEEDS OF THE NATION. Building America's health. Washington,1953. 5 v. 173.2 P922
Includes problems of rural people and migrant workers.

59471 VANZETTI, C. Farmers of America. (In Italian.) Agr. delle Venezie 7:81-87. Feb.1953. 16 Ag826

59472 VARONA, J. La enseñanza de la agricultura en las escuelas nacionales. Ceres [Valladolid] Sup. Inform. 18(459):8-10. Feb.15,1953. 15 C33

59473 VEENSTRA, G. Farm literature in the country. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:63-65. Feb.1953. 12 N383M

59474 VENKATARAMAN, S. N. Helping the ryot. Madras Agr. J. 40:21-23. Jan.1953. 22 M262

59475 VERMONT. UNIVERSITY. COLLEGE OF AGRICULTURE. Toward the future with your College of Agriculture; biennial report, 1950/52. Burlington,1952. 31 p. 276 V59A

59476 WAGNER, W., and WITTGEN, R. Die schule der jungbäuerin; lehrbuch für mädchenabteilungen an landwirtschaftsschulen und für landliche hauswirtschaftslehrlinge. Ed. 9, rev. Berlin,Parey,1952. 390 p. 275.1 W12

59477 WATERS, E. W. Problems of rural Negro high school seniors on the Eastern Shore of Maryland: a consideration for guidance. J. Negro Educ. 22:115-125. Spring 1953. 275.8 J827

59478 WEEKS, W. F. Your partner, the Agricultural Extension Service. Nulaid News 30(11):14. Apr.1953. 47.8 N917
California.

59479 WIESMANN. H. Das stiefkind an den landwirtschaftsschulen. Ausbild. u. Beratung in der Landwirt. 6: 49-50. Mar.1953. 18 N11

59480 WOOD, H. E. The work of the State supervisor. Agr. Educ. Mag. 25:238. Apr.1953. 275.8 Ag8

59481 ZUHLSDORF, E. Das fachbuch in der landwirtschaft. Deut. Bauern Kal. 1953:112. 18 D4826
Russian Zone of Germany.

Leadership

59482 MAYORAL REINAT, A. Ayude a los socios 4-H a seleccionar sus lideres. P. R. Agr. Col. Ext. Fol. 5,4 p. Oct.1952. 275.29 P96Fh

59483 MAYORAL REINAT, A. Conviene organizar clubs de lideres 4-H. P. R. Agr. Col. Ext. Fol. 9,3 p. Nov.1952. 275.29 P96Fh

Rural Organizations and Movements

59484 ABRAHAMSEN, M. A., and SCROGGS, C. L. The United States of America. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:280-292. 280.29 H78

59485 AITON, E. W. Fifty years—springboard to what in 4-H Club work. Ext. Serv. Rev. 24:48-49. Mar.1953. 1 Ex892Ex

59486 ÄLVSBORGS LÄNS SÖDRA HUSHÅLLNINGSSALLSKAP. Report of the Southern Agricultural Society of Alvsborg Province. (In Swedish.) Älvsborgs Läns Södra Hushållsk. Kvrtlsskr. 1:19-191. 1952. 11 AL8K

59487 AOKI, K. Japan. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:320-324. 280.29 H78

59488 APPLEBY, J. Czechoslovakia. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:244-248. 280.29 H78

59489 BAILEY, J. L. State F. F. A. observe anniversary. Tenn. Conserv. 19(4):12. Apr.1953. 410 T252

59490 BALKE, W. Durch planmässige schulung zur verbesserung der arbeit in den BHG [Bäuerliche Handelsgenossenschaft]. Demokratische Dorf 2(10):24. Oct.1952. 281.8 D39
Russian Zone of Germany.

59491 BARREIROS, H. DE. A. Interesting youth in the agricultural problems of Mozambique. (In Portuguese.) Gaz. do Agr. 5(44):7. Jan.1953. 24 G25
4-H Club idea.

59492 BILKER, J. Unfolding of cooperative force. (In Dutch.) Natl. Coop. Aan- en Verkoopver. v. de Landbl. Cent. Bur. Meded. 37:38. Mar.1953. 12 N287
Netherlands.

59493 BLANK, J. H. Floods created great difficulties in disaster areas for cooperatives. (In Dutch.) Natl. Coop. Aan- en Verkoopver. v. de Landbl. Cent. Bur. Meded. 37:33-34. Mar.1953. 12 N287
Netherlands.

59494 BORE, H., and BORE, J. Coopératives en uniforme. II. Tech. Lait. 9(125):12-15. Mar.15,1953. 44.8 Of2
Agricultural cooperatives.

59495 BOUCHARD, F. Défense de la coopération agricole. Défense Agr. de la Beauce et du Perche 50:25-26. Feb.15,1953. 14 D36

59496 CARLSON, D. Coordinate closely for successful management. News Farmer Coop. 20:6,14. Apr.1953. 166.2 N47
Management of a cooperative.

59497 COLOMBAIN, M. Some principles of co-operative development. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:59-90. 280.29 H78

59498 CONFEDERAÇÃO RURAL BRASILEIRA. Report, 1952. (In Portuguese.) Lavoura 56:24-26,28-30. Nov./Dec.1952. 9.2 L39

59499 CONGRESS OF QUEENSLAND CO-OPERATIVES, 7, BRISBANE, 1952. Papers and a brief summary of proceedings. n.p.,1952. 98 p. 280.29 Q32

59500 COOPERATIVE UNION. Co-operative statistics for 1951. Manchester,Eng.,1952. 147 p. 280.29 C784C

59501 DANKERS, W. H. Things to know about your co-op. Co-op Grain Q. 11:73-75. Mar.1953. 280.28 C7898

59502 DREJER, A. A. Denmark, 1950-51. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:263-268. 280.29 H78

59503 EASTERN STATES FARMERS' EXCHANGE. Report of management—1952. East. States Coop. 29(4): 22-23. Apr.1953. 280.28 Ea7

59504 EASTERN STATES FARMERS' EXCHANGE. Report of the treasurer—1952. East. States Coop. 29(4): 24-25. Apr.1953. 280.28 Ea7

59505 ECKBLAD, I. Food and fun with friends. Wash State Col. Ext. B. 473,8 p. Feb.1953. 275.29 W27P
Party foods for 4-H Clubs.

59506 ELIJAH, E. Co-operation in Bougainville. Cong. Queensland Co-op. Papers 1952:81-83. 280.29 Q32

59507 FARMERS UNION CENTRAL EXCHANGE. Report of the general manager. (Digest.) Farmers Union Herald 27(5):2,7. Mar.16,1953. 280.28 F224

59508 FERNANDES, J. S. School agricultural clubs. (In Portuguese.) Chacaras e Quintais 87:41-42. Jan.15, 1953. 9.2 C34
Brazil.

59509 FERNANDES, S. Agricultural clubs; the Federation of Agricultural Clubs of Minas Gerais. (In Portuguese.) Chacaras e Quintais 87:191-192. Feb.15, 1953. 9.2 C34

59510 FIJI. REGISTRAR OF CO-OPERATIVE SOCIETIES. Annual report for the year 1951. Suva,1952. 21 p. 280.29 F47

59511 FRIEDRICH, H., and LISSNER, G. Warum war die arbeit im kreis Pirna bisher so schlecht? Demokratische Dorf 2(12):24-25. Dec.1952. 281.8 D39
Vereinigung der Gegenseitigen Bauernhilfe (Bäuerliche Handelsgenossenschaft).

59512 FUTURE FARMERS OF AMERICA. GEORGIA ASSOCIATION. American farmer degree winners, Georgia, 1952. Decatur,1952. 11 p. 4 F987

59513 GESSNER, A. L. Statistics of farmers' marketing, purchasing and service cooperatives, 1950-51. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 169,41 p. Mar.1953. 166.3 M68

59514 GILS, A. Belgium. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:269-271. 280.29 H78

59515 GREGOR, R. F. Young Farmers in 1952. Farming News & No. Brit. Agr. 105(spec.no):97-98. Jan. 1,1953. 10 N82
The Scottish Young Farmers' Clubs.

59516 HEDGES, H. The plus value in cooperatives. Carolina Co-op. 31(4):10-11. Apr.1953. 72.8 N81

59517 HENNIG, R. Accomplishments of the organized farmers. Organized Farmer 12(3):14-15. Mar.1953. 281.8 Or32
Canada.

59518 HIEKE, E. Die inventuren bei den Bäuerlichen Handelsgenossenschaften jetzt schon gut vorbereiten. Demokratische Dorf 2(12):20-21. Dec.1952. 281.8 D39
Russian Zone of Germany.

59519 HORACE PLUNKETT FOUNDATION. Year book of agricultural co-operation 1953. Oxford, 1953. 345 p. Ref. 280.29 H78

59520 HUSAIN, S. A. Agricultural co-operation in Pakistan. Horace Plunkett Found. Ybk. Agr. Co-op. 1953: 129-134. 280.29 H78

59521 HYSLOP, J. Co-operative movement in the Sudan. Cyprus. Dept. Coop. Co-op. Cyprus 28:7. Dec. 1952. 280.29 C99C

59522 JAHNKE, A. Was lernen die lehrlinge in den bäuerlichen handelsgenossenschaften? Demokratische Dorf 2(10):25-26. Oct.1952. 281.8 D39
Russian Zone of Germany.

59523 JOHNSTON, J. Ulster. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:192-193. 280.29 H78

59524 JONES, J. B. Delaware Council [of Farmer Cooperatives] hits where it helps. News Farmer Coop. 20:3-4. Apr.1953. 166.2 N47

59525 KIDSTON, W. Queensland. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:107-114. 280.29 H78

59526 KLEIN, H. W. East Germany. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:237-243. 280.29 H78

59527 KRAFT, A. Genossenschaftsantelle alters-vorsorge. Bäuerliche Genossensch. 4(10):1-2. Dec.1, 1952. 280.28 B322
Austria.

59528 KRISTERSSON, H. Farm organizations and the State. (In Swedish.) (Sum.) SL-kontakt 1/2:3-6. 1953. 11 Sv28S

59529 KYLER, F. Historia de los Clubs 4-H. Tierra [Mexico] 8:219-220. (Cont.) Mar.1953. 8 T445

59530 LABADESSA, R. The social function of the agricultural cooperative has no substitute. (In Italian.) Agr. delle Venezie 7:24-27. Jan.1953. 16 Ag826

59531 LEE, H. FFA develops tomorrow's top farmers. Kans. Agr. Student 29(4):20,34,36. Mar.1953. 276.8 K13

59532 LUZ, F. Cooperation and agricultural economy. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:43-44. Feb.1953. 44.8 B634

59533 LUZ, F. Some more additions to the history of the cooperative movement. (In Portuguese.) Lavoura 56:16-18. Nov./Dec.1952. 9.2 L39
Brazil.

59534 MCKEE, K. L. Requirements for Arizona 4-H Club work. Ariz. Agr. Col. Ext. C. 204,18 p. Oct. 1952. 275.29 Ar42

59535 MCKEE, K. L. Your key to 4-H parent support. Ariz. Agr. Col. Ext. Folder 63,rev.,4 p. Oct.1952. 275.29 Ar42Ext

59536 MARTIN, T. T. The place of 4-H Club work in urban areas. Mo. Agr. Expt. Sta. B. 591,29 p. Ref. Jan. 1953. 100 M693

59537 MATHER, A. F. Cooperatives and the State Legislature. Nulaid News 30(11):15-18. Apr.1953. 47.8 N917
The Agricultural Council of California.

59538 MAUDE, H. E. The co-operative movement in the Pacific Islands. Cong. Queensland Co-op. Papers 1952:57-65. 280.29 Q32

59539 MAYORAL REINAT, A. Ayude a los socios a conseguir material para sus proyectos. P. R. Agr. Col. Ext. Fol. 6,3 p. Oct.1952. 275.29 P96Fh
4-H Clubs.

59540 MAYORAL REINAT, A. Las jiras, excursiones, torneos y rallies son metodos auxiliares 4-H. P. R. Agr. Col. Ext. Fol. 7,3 p. Nov.1952. 275.29 P96Fh

59541 MEHRENS, B. West Germany. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:226-236. 280.29 H78

59542 MONTAGNE, R. Quelle est la nature juridique des parts sociales d'une coopérative agricole. Prog. Agr. et Vitic., Mar.15/22,1953:165-167. 14 P94

59543 MORRIS, G. Co-operation in Papua and New Guinea. Cong. Queensland Co-op. Papers 1952:73-78. 280.29 Q32

59544 MOURA, V. Brazil. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:293-304. 280.29 H78

59545 NEW SOUTH WALES. REGISTRAR OF CO-OPERATIVE SOCIETIES. Report for the year ended 30th June, 1949. Sydney,1952. 29 p. 280.29 N47

59546 NORTH CANTERBURY FEDERATED FARMERS. Year book 1952. Christchurch,1952. 200 p. 23 N81

59547 O'LEARY, C. Co-operation in the Torres Strait Islands. Cong. Queensland Co-op. Papers 1952: 67-70. 280.29 Q32

59548 PELLERVO SOCIETY. Finland. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:253-262. 280.29 H78

59549 RAPPL, K. Landwirtschaftliche genossenschaften in den USA. Bäuerliche Genossensch. 4(10):3-4. Dec.1,1952. 280.28 B322

59550 RARUA, M. Co-operation in Hanuabada Village. Cong. Queensland Co-op. Papers 1952:79-80. 280.29 Q32

59551 REINTHALER, F. Austria. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:249-252. 280.29 H78

59552 RIDDALL, C. C. Eire. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:194-197. 280.29 H78

59553 ROYAL ULSTER AGRICULTURAL SOCIETY. Report 1952. Belfast,1952. 124 p. 10 R816

59554 SAMVIRKENDE SJAELLANDSKE LANDBOFORENINGER. Beretning om virksomheden i de Samvirkende Sjaellandske Landboforeninger i aaret [Report on the activities of the Cooperative Agriculture Associations in Zealand in the year 1952]. Frederiksberg?1953. 224 p. 11 Z1Be

59555 SANFORD, J. K. Thousand young folks went co-op visiting. News Farmer Coop. 20:13-14. Apr.1953. 166.2 N47
Program of visits to manufacturing facilities of Southern States Cooperative, Richmond, Va.

59556 SCHOBEL, A. Der dritte weg. Landwirtschaft 5/6:81-82. Mar.1953. 19 L235
Cooperatives as the alternative to a completely free or regulated economy.

59557 SCOTT, S. M. Co-operative training facilities. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:91-97. 280.29 H78

59558 SHIDAKER, W. H. 20 years of service to Ohio farmers. News Farmer Coop. 20:8-10. Apr.1953. 166.2 N47
The Farm Bureau Cooperative Association.

59559 SIRVENT, H. Les parts de capital des coopératives agricoles. Bouches du Rhône Agr. 25(1093):1. Mar.1,1953. 14 B662

59560 SOCIEDAD DE AGRICULTORES DEL VALLE DEL CAUCA. Informe, 1952. Rev. Agr. y Ganad. 13(155): 2,4-6. Dec.1952. 9.4 R327

59561 SUAREZ, L. A. Historical development of and research on cooperatives in Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. E. & R. S. 20:17-36. Sept.1952. 100 P83Es

59562 SUBRAHMANYAM, K. India. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:115-122. 280.29 H78

59563 SVENDSEN-TUNE, S. C. The 4-H work at the milestone. (In Danish.) Jydsk Landbr. 35:203-204. Mar. 19,1953. 11 J99

59564 ULBRICHT, W. Die aufgaben und perspektiven der landwirtschaftlichen produktionsgenossenschaften. Berlin,Dietz Verlag,1952. 79 p. 280.2 UL1

59565 U. S. EXTENSION SERV. Principles and procedures for using and authorizing the use of the 4-H Club name and emblem. Washington,1953. 7 p. 1.913 F3P933

59566 WILDE, L. O. J. DE. The Belgian Congo. (Condensed.) Horace Plunkett Found. Ybk. Agr. Co-op. 1953: 308-319. 280.29 H78

RURAL SOCIAL PSYCHOLOGY

59567 ANDERSON, W. A. Rural social participation and the family life cycle. I. Formal participation. N. Y. (Cornell) Agr. Expt. Sta. Mem. 314,52 p. Jan.1953. 100 N48C

59568 ANDERSON, W. A. Rural social participation and the family life cycle. II. Informal participation. N. Y. (Cornell) Agr. Expt. Sta. Mem. 318,35 p. Jan.1953. 100 N48C

59569 ANDERSON, W. A. Some factors associated with family informal participation. N. Y. (Cornell) Agr. Expt. Sta. Dept. Rur. Sociol. Mimeog. B. 36,32 p. Mar. 1953. 100 N48Cm

59570 BEERS, H. W. Rural-urban differences: some evidence from public opinion polls. Rur. Sociol. 18:1-11. Mar.1953. 281.28 R88

59571 ESCH, J. A footnote on modern rural society. Human Organ. 11(4):37-38. Winter 1952. 280.8 Ap5
Attitudes.

59572 FARRELL, F. D. Antaeus had something. K-Stater 2(3):10-11,17. Mar.1953. 276.8 K11
The man-land relationship.

59573 FERGUSON, C. M. Faith—soil—people. Washington,U. S. Ext. Serv.,1953. 5 p. 1.913 A2F38
Address to the student body of the College of Agriculture, Ohio State University, during Religion-in-Life Week, Jan. 28, 1953.
Mainly faith or attitudes of farmers.

59574 KLINGNER, C. E. A discussion technique. In Farm Foundation. Increasing understanding of public problems and policies, p.68-69. Chicago,1952. 275.2 F223

59575 LITTLE, M. F. Dee; in the family. Pa. State Col. Agr. Ext. C. 155,6 p.-folder. Jan.1953. 275.29 P38C

59576 LYNDE, L. A. Family goals and responsibilities. W. Va. Agr. Col. Ext. Good Living Ser. 20(8),6 p.-folder. n.d. 275.29 W522G

59577 SCHROEDER, W. W., and BEEGLE, J. A. Suicide: an instance of high rural rates. Rur. Sociol. 18: 45-52. Mar.1953. 281.28 R88
Michigan.

TRADE, FOREIGN AND INTERNATIONAL

59578 ACKERMANN, G. Deutschlands eierimport 1952. Milch- Fettwaren- Eierhandel 5:150-152. Mar.28, 1953. 286.85 M59

59579 ADEMA, M. Europäische union des kartoffelgrosshandels. Kartoffelwirtschaft 6:99. Mar.6,1953. 286.83 K14

59580 AHLFELD, H. Sugar exports and prices on the world market. F. O. Licht's Sugar Inform. Serv. 85(3):1-4. Mar.31,1953. 66.8 L61

59581 ALCORN, G. B. Foreign trade in the middle of the twentieth century. In Farm Foundation. Increasing understanding of public problems and policies, p.25-35. Chicago,1952. 275.2 F223

59582 ASHBURNER, W. F. Does the Union need a new wine export policy? Wine & Spirit 22(3):7,9. Mar. 1953. 390.8 W725

59583 AUSTRALIAN export trade. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 6:13-14. Jan.1953. 281.9 Au73

59584 BERTRAM, O. Normalpreis-verzollung von rohkakao. Zucker- u. Süsswaren-Wirt. 6:151. Feb.20, 1953. 286.86 Z8
Germany.

59585 BETTENAY, W. J. Fresh fruit & vegetable export; review of 1952 season. Fruit World & Mkt. Grower 54(2):11,13. Feb.10,1953. 80 F948
Australia.

59586 BLAKE, R. C. Export—safety value of the industry. Victorian Poultry J. 39(7):9,11. Feb.2,1953. 47.8 V662
Eggs.

59587 BOCCHI, G. Der deutsch-italienische warenverkehr und die liberalisierung. Früchte u. Gemüse Markt 5:281-282,285. Feb.20,1953. 286.83 F9425
Fruit and vegetables.

59588 BOCCHI, G. Frankfurt als grossumschlagplatz für französische gartenbauerzeugnisse. Obst u. Gemüse 5:186-188. Feb.25,1953. 286.83 Ob72
Fruit and vegetable trade.

59589 BUTLER, E. Europe now needs trade—less aid. Prog. Farmer, Tex. Ed. 68(4):60,62-63. Apr.1953. 6 T311

59590 CLARK, J. M. Australian sugar exports. Austral. Bur. Agr. Econ. Q. Rev. Agr. Econ. 6:29-33. Jan. 1953. 281.9 Au73

59591 CVETKOVIC, M. Die entwicklung der Jugoslawischen geflügel- und eier-ausfuhr im jahre 1952. Eier-, Wild-, Geflügel- u. Honig-Markt 5(33):1-2. Mar. 18,1953. 280.38 Ei3

59592 DOHRENBUSCH, E. Exportmöglichkeiten für deutsches kernobst! Früchte u. Gemüse Markt 5:452. Mar.27,1953. 286.83 F9425

59593 DROMARD, H. La question des importations de miel. Abeille de France 32:34-36. Feb.1953. 424.8 Ab36

59594 EL ATTAL, M. For want of a market; government intervention has all but spoiled Egypt's trade. Cotton Trade. J. Internatl. Ed. 20:99-101. 1952/53. 72.8 C3214I

59595 FAKLER, H. American flour for the world. Co-op Grain Q. 11:10-14. Mar.1953. 280.28 C7898

59596 FRATES, W. Cotton tonnage labeled Port of Oakland shows increase—10 1/2 times over 1949. Cotton Digest 25(30):18-19. Apr.4,1953. 286.82 C822

59597 FREY, M. Vorrangstellung eigenerzeugung oder export? Landwirt. Z. der Nord-Rheinprov. 120: 249-250. Feb.28,1953. 18 L2344

59598 GERMANY. AUSSENHANDELSSTELLE FUR ERZEUGNISSE DER ERNAHRUNG UND LANDWIRTSCHAFT. Übersicht über den stand der ausschreibungen und devisenzuteilungen aus den laufenden handelsabkomme (ohne liberalisierung) nach ländern geordnet; stand vom 31. Januar 1953. Frankfurt,1953. 49 p. 265 G3174

59599 GOTZE, W. Der westdeutsche aussenhandel mit kartoffeln und kartoffelerzeugnissen. Kartoffelwirtschaft 6:119,121-122. Mar.6,1953. 286.83 K14

59600 GREMIO DOS EXPORTADORES DE FRUTOS E PRODUTOS HORTICOLAS DO ALGARVE. Relatório e contas do exercicio de 1952; orçamento para 1953 [Report and accounts for the 1952 season; budget for 1953]. Faro, 1953. 16 p. 286.3039 G86

59601 ISBISTER, C. World trade problems & opportunities. Canad. Cattlemen 16(4):16-17,28-29. Apr.1, 1953. 49 C16

59602 JACKSON, B. C. Cotton and world commerce. Amer. Cotton Cong. Proc. 13:5-10. 1952. 72.9 C825

59603 LAHR, R. Relations de commerce franco-allemand dans la nouvelle année. Obst u. Gemüse 5:146-147. Feb.25,1953. 286.83 Ob72

59604 LEATHER, T. U.S. pricing policy and Commonwealth raw materials. New Commonwealth 25: 323,322. Mar.30,1953. 280.8 C88

59605 LINDER, H. F. Department opposes continuation of extraordinary restrictions on certain imports. U. S. Dept. State. B. 28:554-559. Apr.13,1953. 150 B87
Agricultural imports.

59606 MATTER, R. Französisch-deutscher warenaustausch. Obst u. Gemüse 5:188-189. Feb.25,1953. 286.83 Ob72

59607 MAUCH, A. The farmer's stake in foreign trade. In Farm Foundation. Increasing understanding of public problems and policies, p.9-24. Chicago,1952. 275.2 F223

59608 MAUCH, A. What a farmer now needs to know about foreign trade. Successful Farming 51(4):158-161. Apr.1953. 6 Su12

59609 MEERSSEMAN, L. C. Belgian cotton must burst barriers; life of textile industry depends on export. Cotton Trade. J. Internatl. Ed. 20:164-165. 1952/53. 72.8 C3214I

59610 MOSTIN, A. L'exportation du fruit belge. Fruit Belge 20:49-57. Apr.1952. 80 F9493

59611 NEW ZEALAND. CENSUS AND STATISTICS DEPT. Statistical report on trade and shipping of New Zealand for the years 1950 and 1951. IB. Imports. Wellington,1952. 176 p. 271.2 C33

59612 NOLET, M. J. European synthetics bid for markets; rayon leads in wide post-war expansion. Cotton Trade. J. Internatl. Ed. 20:183-184. 1952/53. 72.8 C3214I

59613 PELSHENKE, P. F., and SCHAFER, W. Die qualität der brotgetreide-importe 1952. Mühle 90:82-86. (Cont.) Feb.12,1953. 298.8 M89
Germany.

59614 PRODUCENTFORENING AF DANSK OST AF ROQUEFORTTYPEN. Danish blue cheese og U.S.A. [Danish blue cheese and the U.S.A.]. Odense,1952. 129 p. 44 P94
Translations into Danish of speeches, statements, newspaper articles, etc., relating to the importation of Danish blue cheese.

59615 READ, F. W. Implementing foreign trade in agricultural products. Pear Growers League. Annu. 1953: 9,11-13. 286.3939 P31
Fruit.

59616 ROBINSON, K. L. Alternative trade policies. In Farm Foundation. Increasing understanding of public problems and policies, p.36-47. Chicago,1952. 275.2 F223

59617 ROTTENSTEN, J. Market for hogs in Germany in 1952. (In Danish.) Denmark. Landbrraadet. Meddel. 13:241-244. Mar.26,1953. 11 D415L

59618 SCHMITTEN, J. C. Der Grossmarkt Frankfurt und seine bedeutung für den export von französischen früchten und gemüse. Früchte u. Gemüse Markt 5:286. Feb.20,1953. 286.83 F9425

59619 SHAW, C. L. Import-export situation under verbal guns of Canada packers. West. Canner & Packer 45(4):56. Apr.1953. 286.83 W522
Canned fruit and vegetables.

59620 SPECHT, G. Aufgaben der Aussenhandelsstelle auf dem gebiet des imports von frischen gartenbauerzeugnissen. Früchte u. Gemüse Markt 5:280. Feb.20,1953. 286.83 F9425
Germany.

59621 SPIESS, J. G. Münchens beziehungen zum französischen markt. Obst u. Gemüse 5:156-157. Feb. 25,1953. 286.83 Ob72
Fruit and vegetable trade.

59622 SPRENG, H. Wie kann die konkurrenzfähigkeit des europäischen obstbaues verbessert werden? Höhere Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. 3:58-64. Mar.1953. 105.9 K696
English summary.

59623 STEIN, E. Bier, hopfen und malz im aussenhandel Grossbritanniens. Brauwelt 23:290-291. Mar.20, 1953. 390.8 B732

59624 STRACKBEIN, O. R. What about rising imports. Calif. Fruit News 127(3378):4,9-11. Apr.4,1953. 80 C12

59625 SUNDARESAN, V. N. India's pepper exports to the U.S. Coffee & Tea Indus. 76(4):71-72. Apr.1953. 389.8 Sp4

59626 SWEDEN. KOMMERSKOLLEGIUM. Handel; berättelse för år 1951. Del III. Sveriges varuinförsel från olika länder [Trade; report for the year 1951. Part III. Swedish import from other countries]. Stockholm, 1953. 153 p. 257.3 St2Ha
Includes farm products.

59627 TSIMIKALIS, A. Frankfurt und die früchte Griechenlands. Früchte u. Gemüse Markt 5:296. Feb. 20,1953. 286.83 F9425

59628 UNITED AFRICA CO. Trading in the Gambia. United Africa Co. Statis. & Econ. Rev. 11:1-40. Mar. 1953. 280.9 Un372

59629 U. S. COMMODITY EXCHANGE AUTHORITY. Investigation of importation of oats from Canada, 1951-52. Washington,1952. 33 p. 1.945 In82

59630 U. S. PRODUCTION AND MARKETING ADMIN. Fact sheet on New Zealand beef exports to the United States. Washington,1953. 2 p. 1.956 L75F112

59631 U. S. TARIFF COMMISSION. Garlic; report to the President on the escape-clause investigation with the President's statement on the Commission's recommendation. U. S. Tariff. Comn. Rpt. (ser.2)177,28 p. 1953. 173 T17Rs
Includes statistics.

59632 UPMANN, H. W. Russland als weizenexporteur am weltmarkt. Müllerei 6:162-163,178-179. Mar.21-28, 1953. 298.8 M91

59633 URRUTIA, C. D. Peru must meet tough competition; high export duties put native cottons at disadvantage. Cotton Trade. J. Internatl. Ed. 20:47,51-52. 1952/53. 72.8 C3214I

59634 URUGUAY. COMISION HONORARIA DEL CONTRALOR DE EXPORTACIONES E IMPORTACIONES. Memoria correspondiente al año 1951. Montevideo,1952. 169 p. 255.7 Ur872M
Statistics.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

59635 ALLISON, J. B. Dietary proteins; their function in health and disease. J. Agr. & Food Chem. 1:71-74. Ref. Apr.1,1953. 381 J8223

59636 BERTARELLI, E. Rice in child nutrition. (In Italian.) Riso 2(3):24-25. Mar.1953. 59.8 R49

59637 BRICKER, M. L. Minimum nitrogen requirements under conditions of controlled food intake. (In Dutch.) Voeding 13:536-539. Nov.15,1952. 389.8 V85

59638 BROUHA, L., and BALL, M. V. Physical fitness tests. In Red Cross. Canada. Canadian Red Cross Society. The Canadian Red Cross Society's school meal study, 1947-1949, p.55-65. Toronto,1952. 386.3 R24
Effects of nutrition.

59639 COWGILL, G. R. 50 jahre ernährungswissenschaft; richtige ernährung erhöht die gesundheit, verlängert und verschönt das menschliche leben. L und E 6(3):13-14. Mar.1953. 389.8 Z34

59640 CREMER, H. D. Ernährung und karies. In Saller, K., ed. Gesundes land, gesundes leben, p.167-180. München,Pflaum,1953. 33.27 Sa3

59641 CULTRERA, R. General aspects of the nutrition problem. (In Italian.) Conserve e Derivati Agrumari 1(4):3-9. Ref. Oct./Dec.1952. 389.8 C7622

59642 DIEDRICHSEN, E. Easy as pie! Nebr. Agr. Col. Ext. E. C. 9994,8 p. Sept.1952. 275.29 N272Ex
Recipes.

59643 DIEDRICHSEN, E. French fried foods. Nebr. Agr. Col. Ext. E. C. 9995,8 p. Nov.1952. 275.29 N272Ex

59644 DONALDSON, B. E. Management aspects of and educational criteria for school lunch programs in Iowa. Ames,1952. 407 p. 389 D713
Thesis - Iowa State College.

59645 DONATH, W. F., and others. Health, nutrition, and vegetarianism. (In Dutch.) Voeding 14:153-178. Mar.15,1953. 389.8 V85
I. A. Fischer, H. C. van der Meulen-van Eysbergen, and J. F. de Wijn, joint authors.
English summary.

59646 ELLIS, R. G., and others. Dental examinations. In Red Cross. Canada. Canadian Red Cross Society. The Canadian Red Cross Society's school meal study, 1947-1949, p.66-74. Toronto,1952. 386.3 R24
M. A. Cox, M. Currie, W. J. Dunn, S. A. MacGregor, W. G. McIntosh, and D. F. J. Berry, joint authors.
Effects of nutrition.

59647 FINCKE, H. Zucker und zähne. Schokoladen Handels Ztg. 4(3):2. Mar.25,1953. 286.83 Sch6

59648 FOWLER, H. M. Purpose and plan of the study. In Red Cross. Canada. Canadian Red Cross Society. The Canadian Red Cross Society's school meal study, 1947-1949, p.1-22. Toronto,1952. 386.3 R24

59649 GT. BRIT. MINISTRY OF FOOD. SCIENTIFIC ADVISER'S DIV. Manual of nutrition. Ed. 3. London, H. M. Stationery Off.,1953. 58 p. 389.1 G798

59650 HEUPKE, W. Richtige ernährung des gesunden. In Saller, K., ed. Gesundes land, gesundes leben, p.190-197. München,Pflaum,1953. 33.27 Sa3

59651 HOLMES, S. Social habits and nutrition. Nutrition 7:28-30. Spring 1953. 389.8 N959

59652 JACKSON, S. H., and others. Biochemical tests. In Red Cross. Canada. Canadian Red Cross Society. The Canadian Red Cross Society's school meal study, 1947-1949, p.43-54. Toronto,1952. 386.3 R24
W. Leightner, P. Scott, W. M. Johnstone, R. Pocock, and M. Wilms, joint authors.
Effects of nutrition.

59653 JOLLIFFE, N. B. The importance of protein in the reducing diet. Food & Nutr. News 24(7):1,4. Apr. 1953. 389.8 F7332

59654 JOLLIFFE, N. B. What's new in nutrition. Baking Indus. 99(1245):66,70. Apr.11,1953. 389.8 B17

59655 JOLLIFFEE, N. B. What's new in nutrition. Mod. Miller & Bakers News 80(7):18-19. Mar.28,1953. 298.8 M72

59656 KNOLL-STRATEMANN, L. Die praxis einer gesunden ernährung. In Saller, K., ed. Gesundes land, gesundes leben, p.198-200. München,Pflaum,1953. 33.27 Sa3

59657 LAL, S. B. Consumption level in some food-scarcity areas of Bihar. Indian J. Med. Res. 40:455-467. July 1952. 448.8 In22

59658 LAURIE, M. The effect of environment on nutrition. Nutrition 7:20-24. Spring 1953. 389.8 N959
Includes effects of climate.

59659 LITTLE, M. F. Let's cook outdoors. Pa. State Col. Agr. Ext. C. 397,rev.,35 p. Jan.1952. 275.29 P38C

59660 LONG, J. A., and FOWLER, H. M. Mental and scholastic development. In Red Cross. Canada. Canadian Red Cross Society. The Canadian Red Cross Society's school meal study, 1947-1949, p.75-88. Toronto,1952. 386.3 R24
Effects of nutrition.

59661 MAY, J. M. The mapping of human starvation. Geog. Rev. 43:253-255. Apr.1953. 500 Am35G

59662 MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. DEPT. OF FOODS AND NUTRITION. Fish recipes. Mich. State Col. Agr. Ext. B. 313,16 p. June 1952. 275.29 M58B

59663 MØLLER, K. S. Sample of spring diet. (In Danish.) Tidsskr. f. Hush. 32:43-44. Mar.25,1953. 321.8 T43

59664 PHILLIPS, A. J. Absenteeism records. In Red Cross. Canada. Canadian Red Cross Society. The Canadian Red Cross Society's school meal study, 1947-1949, p.89-101. Toronto,1952. 386.3 R24
Effects of nutrition.

59665 POULTRY AND EGG NATIONAL BD. DEPT. OF HOME ECONOMICS. Golden treasury of chicken cookery. Chicago,1952? 15 p. 389.2 P862

59666 PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Recetas de batata. P. R. Agr. Col. Ext. C. 27,7 p. Jan.1953. 275.29 P96Ci

59667 RANDOLPH, B. Lunch or supper time. Ark. Agr. Col. Ext. C. 368,rev.,19 p. May 1952. 275.29 Ar4
4-H foods demonstration No. 2.

59668 RED CROSS. CANADA. CANADIAN RED CROSS SOCIETY. The Canadian Red Cross Society's school meal study, 1947-1949, by F. F. Tisdall, and others. Toronto, 1952. 141 p. 386.3 R24

59669 ROBERTSON, E. C., PORTER, E. W., and CAVAN, M. J. Physical measurements. In Red Cross. Canada. Canadian Red Cross Society. The Canadian Red Cross Society's school meal study, 1947-1949, p.30-42. Toronto,1952. 386.3 R24
Effects of nutrition.

59670 RODERUCK, C., and JOHNSON, N. E. Is your school child well fed? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:157-158. Mar.1953. 275.28 Io94

59671 ROGER, C. Le rôle respectif de l'éducation et du revenu dans les dépenses alimentaires. Louvain. U. Catholique. Inst. de Rech. Econ. et Sociales. B. 19: 3-37. Feb.1953. 280.9 L92
Discusses trends in nutrition in Belgium.

59672 SHRIBER, J. D. Open, wide! (Excerpts.) Mod. Nutr. 6(3):6-7. Mar.1953. 389.9 Am352
Nutrition and teeth.

59673 SOMMERFELD, K. Vitamine lebensstoffe. Deut. Bauern Kal. 1953:161-163. 18 D4826
In human and animal nutrition.

59674 STEVENSON, R., and others. Surveys of diets in the homes. In Red Cross. Canada. Canadian Red Cross Society. The Canadian Red Cross Society's school meal study, 1947-1949, p.102-123. Toronto,1952. 386.3 R24
E. Porter, F. Service, M. Fasken,and J. Ratz, joint authors.

59675 TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Food for camp. Tex. Agr. Col. Ext. B-212,15 p. n.d. 275.29 T312
For 4-H Clubs.

59676 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Nutrition and the U. S. Department of Agriculture. Washington,1952. 15 p. 1.982 A2N957
Food and nutrition program.

59677 U. S. DEPT. OF AGRICULTURE. NUTRITION COMMITTEE. Nutrition and the U. S. Department of Agriculture. Washington,1952. 14 p. 1.90 C2N95

59678 U. S. PRODUCTION AND MARKETING ADMIN. School lunch and food distribution programs, selected statistics, fiscal years 1939-50. Supplement. Washington, 1952. 8 p. 1.956 F732Sch6

59679 U. S. PRODUCTION AND MARKETING ADMIN. School lunch recipes for main dishes and desserts. U. S. D. A. PA-222,9 p. Feb.1953. 1 Ag84Pro
U. S. Bureau of Human Nutrition and Home Economics cooperating.

59680 VONK, W. B. The dietitian in industry. (In Dutch.) Voeding 13:510-522. Nov.15,1952. 389.8 V85
Nutrition research in the Netherlands.

59681 WASHINGTON, J. L. The program in rural-urban communities. Ala. Tuskegee Inst. Serv. 17(9):9-10. Apr.1953. 280.8 Se62
School lunches.

59682 WILSON, W. E. The place of milk in the diet of children. Austral. Inst. Anat. Food & Nutr. Notes & Rev. 9:110-112. Nov./Dec.1952. 389.9 Au73

FOOD HABITS

59683 ANDERSEN, K. Good and bad food habits. (In Danish.) Jydsk Landbr. 35:232-235. Apr.2,1953. 11 J99

59684 BRACKEN, F. J. Infant feeding in the American colonies. Amer. Dietet. Assoc. J. 29:349-358. Ref. Apr.1953. 389.8 Am34

59685 BRODIE, B. C. How others eat. Vegetarian (ser.10)1:56-58. Mar./Apr.1953. 389.8 V522
Iraq.

59686 DE VRIES, A. P. Primitive man and his food. Chicago,Chandler Book Co.,1952. 151 p. Ref. 446 D49
Food habits and nutrition.

59687 MIKLAU, L. Urtümliche bauernkost in Kärnten. Bionomica 4:19-20. Feb.1953. 463.8 B52
Nutrition and food habits.

59688 PHIPARD, E. F. Dietary adequacy of family food supplies. Washington,U. S. Bur. Human Nutr. & Home Econ.,1952. 5 p. 1.982 E2P55
Talk before the National Food and Nutrition Institute, Washington, D. C., Dec. 8, 1952.

NUTRITIVE AND VITAMIN CONTENT

59689 AULOUIN, G. Valeur alimentaire de l'ananas en Guinée. Fruits et Leurs Dérivés 22:24-26. 1953. 389.68 J98

59690 BEHRENS, O. Fünf vitamine in einer frucht, Calavo aus Kalifornien. Orion 8:202-206. Mar.1953. 474 Or4

59691 BHATIA, I. S. Effect of cooking upon the vitamin A content of ghee. Mysore. Cent. Food Technol. Res. Inst. B. 2:72-74. Dec.1952. 389.9 M99

59692 ERICSON, L. E., and BANHIDI, Z. G. Bacterial growth factors related to vitamin B_{12} and folinic acid in some brown and red seaweeds. Acta Chem. Scand. 7:167-172. Ref. 1953. 385 Ac82
Food and feed value.

59693 EVANS, R. J., and others. Folic acid in fresh and stored shell eggs. J. Agr. & Food Chem. 1:170-172. Ref. Apr.15,1953. 381 J8223
J. A. Davidson, D. Bauer, and H. A. Butts, joint authors.

59694 FLETCHER, M. I. Soy grits pack protein wallop. Co-op Grain Q. 11:71-72. Mar.1953. 280.28 C7898
Nutritive value.

59695 FRAZIER, L. E., CANNON, P. R., and HUGHES, R. H. The problem of heat injury to dietary protein. Food Res. 18:91-103. Ref. Mar./Apr.1953. 389.8 F7322

59696 FUTSCHIK. Zur frage der vitaminierung der milch. Österr. Milchwirt. 8:62-63. Mar.7,1953. 44.8 Os72

59697 HALL, A. P., MORGAN, A. F., and WHEELER, P. The amounts of six B-vitamins in fresh and dried figs. Food Res. 18:206-216. Ref. Mar./Apr.1953. 389.8 F7322

59698 HEUPKE, W. Milch in der ernährung des gesunden und kranken. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:119-120. Feb.1953. 384 Z39
Nutritive value.

59699 HÜLPHERS, G. Carotene content of carrots. (In Swedish.) Mjölkpropagandan 30:77. Mar.1953. 44.8 M692

59700 KIK, M. C. Rice germ—a valuable rice product. Ark. Farm Res. 2:8. Spring 1953. 100 Ar42F
Nutritive value.

59701 KOETSVELD, E. E. VAN. Differences in the vitamin B_{12} content of cow's milk during the last month indoors and the first week at pasture. Nature [London] 171:483. Mar.14,1953. 472 N21

59702 MACABIES, J. Valeur alimentaire des vins de 8° à 12°. Paris,Comité National de Propagande en Faveur du Vin,1952. 79 p. 390.1 M11

59703 MARESTER, M., and BLAIZOT, P. Addition de vitamines et coloration de la margarine. Oléagineux 8: 147-151. Ref. Mar.1953. 77.8 OL2

59704 MOORJANI, M. N., and BHATIA, D. S. Thiamine, riboflavin and nicotinic acid contents of processed groundnut milk and curd. Mysore. Cent. Food Technol. Res. Inst. B. 2:101-102. Jan.1953. 389.9 M99

59705 MULAY, I., DHOPESHWARKAR, G. A., and MAGAR, N. G. Losses of nutrients during cooking of vegetables. Indian J. Med. Res. 40:443-453. Ref. July 1952. 448.8 In22

59706 RANDOIN, L., and CAUSERET, J. La valeur nutritive des produits laitiers. Aliment. et la Vie 40: 223-255. Ref. 1952. 389.9 So1B

59707 SANCHEZ, C. S. Consumidor debe saber el valor nutritivo de productos nativos. Rev. del Café 8(7):33. Feb.1953. 8 R3295
Puerto Rico.

59708 SCHEID, H. E., BENNETT, B. A., and SCHWEIGERT, B. S. Thiamine, riboflavin, and niacin content of organ meats. Food Res. 18:109-112. Ref. Mar./Apr.1953. 389.8 F7322

59709 SCHROODER, A. Importance of milk, skim milk and whey as food for man and animal. (In Dutch.) Doelmatige Veehouderij 2:3-6. Jan.1953. 49 D67

59710 SCHULZ, M. E. Über den wert und die herstellung verschiedener sauermilchgetränke. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:118. Feb.1953. 384 Z39

59711 SCOULAR, F. I., and RANKIN, A. R. The thiamine content of self-selected diets of college women as related to the enrichment of cereals. Tex. J. Sci. 5: 64-69. Ref. Mar.30,1953. 470 T31

59712 SIDDAPPA, G. S., and BHATIA, B. S. Nutritive value of banegara fruit (Randia dumetorum, Lam). Mysore. Cent. Food Technol. Res. Inst. B. 2:16. Sept./Oct.1952. 389.9 M99

59713 SMITH, L. B., and JOHNSON, J. A. The use of honey in white and whole wheat bread. Amer. Bee J. 93: 164-165. Apr.1953. 424.8 Am3

59714 SOLTERO DE DIAZ, H. Nutritional aspects and other uses of food yeast; annotated bibliography 1917-1949. P. R. (Rio Piedras) Agr. Expt. Sta. B. 92, 241 p. Aug.1951,pub.June 1952. 100 P83

59715 STEWART, C. P. What do we want from our food? Nutrition 7:32-35. Spring 1953. 389.8 N959
On the nutritive value of food.

59716 TRACEY, J. B. The treatment of cases of infantile eczema. Brit. Goat Soc. Ybk. 1953:5-6. 40.19 B77
By feeding goat's milk.

59717 TRENDTEL. Milch als kraftspender für kranke! Molk.- u. Käserei-Ztg. 4:348-350. Mar.19,1953. 44.8 M736

59718 VERONA, O. Yeasts and vitamin factors. (In Italian.) Colt. e Gior. Vinic. Ital. (n.s.)99:38-40. Feb. 1953. 16 C72

59719 VOGEL. Ein beitrag über die ziegenmilchanämie. Thür. Kleintierzüchter 7:77-78. Mar.10,1953. 49 T42
Infant nutrition.

59720 WHEELDON, L. W., and WILSON, W. E. Riboflavin content and calorie values of Australian bread. Austral. Inst. Anat. Food & Nutr. Notes & Rev. 9:107-109. Nov./Dec.1952. 389.9 Au73

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

59721 ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA. Proceedings, volume CIV, 1952. Philadelphia,1952. 260 p. 500 P53

59722 ALMANACH agricole de la Suisse romande et chronique agricole du Jura. Neuchatel,1952? 96 p. 30.3 AL6

59723 AMERICAN OIL CO. 1953 Farmer's Journal & Almanack. Baltimore,1953. 48 p. 30.3 Am33

59724 ARGENTINA. INSTITUTO DE SANIDAD VEGETAL. Metodos de lucha contra ratas y ratones. Bolsa de Com. Rosario. Rev. 41(986):5-6,8-9. Feb.15, 1953. 287 R71

59725 ASSAM. DEPT. OF AGRICULTURE. Annual report 1950-51. I. Shillong,1952. 126 p. 22 As7Rp

59726 BRAUNSCHWEIG BIOLOGISCHE BUNDESANSTALT FÜR LAND- UND FORSTWIRTSCHAFT. Jahresbericht der 1951. Braunschweig,1952. 100 p. 442.9 B832J

59727 CHEMICAL SPECIALTIES MANUFACTURERS ASSOCIATION. Proceedings, the thirty-ninth annual meeting, December 8 and 9, 1952, Hotel New Yorker, New York City. New York,1952. 184 p. 307.9 C42
Economic poisons.

59728 CLARK, J. W. Water, woods, wildlife [in] Wisconsin. Wis. Agr. Col. Ext. C. 417,32 p. Jan.1953. 275.29 W75C
Conservation.

59729 CONNECTICUT (STATE). AGRICULTURAL EXPERIMENT STATION. Available publications. New Haven,1951. 6 p. 100 C76A

59730 CONNER, J. D. Pesticides legislation. Chem. Spec. Mfr. Assoc. Proc. 39:13-15. 1952. 307.9 C42

59731 COULTER, M. W. Big game and fur-bearing animals of Maine. Maine. Agr. Col. Ext. B. 425,32 p. Ref. Dec.1952. 275.29 M281B

59732 DEUTSCHER bauern kalender 1953. Berlin, 1952. 196 p. 18 D4826

59733 FITCH, K. A. Make your rodent control program work. Amer. Egg & Poultry Rev. 15(3):24,26,28, 30, 32. Mar.1953. 47.8 Am38

59734 HAMMERLUND, L. Amount of liquid and strength at spraying. (In Danish.) Dansk Landbr. 72:159-161. Mar.26,1953. 280.28 V91

59735 HILBERT, G. E. Opportunities for chemistry in agriculture. Washington,U. S. Bur. Agr. & Indus. Chem.,1952. 22 p. 1.9321 N2H54
Presented before the symposium "Contributions of Chemistry to Agriculture" at the 119th meeting of the American Association for the Advancement of Science, St. Louis, Dec. 30, 1952.

59736 HILL, S. J. The technical man looks at labeling. Chem. Spec. Mfr. Assoc. Proc. 39:120-121. 1952. 307.9 C42
Economic poisons.

59737 JAMAICA. DEPT. OF AGRICULTURE. Annual report for the year ended 31st December, 1951. Kingston, 1952. 24 p. 8 J227A

59738 KALMAR LANS SÖDRA HUSHÅLLNINGS-SÄLLSKAP. Work of the Southern Farm Society of Kalmar Province during the year 1951. (In Swedish.) Kalmar Läns Södra Hushsällsk. Årsskr. 1952:45-108. 11 K122

59739 LIMERICK CO. COMMITTEE OF AGRICULTURE. Annual report 1952. Limerick,1952. 115 p. 10 L62

59740 MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Maryland farm and home publications. Md. Agr. Col. Ext. Fact Sheet 0,4 p. Apr.1953. 275.29 M36Fa

59741 MELVILLE, J. Chemistry and the farmer. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:30-34. 1951,pub. 1952. 90.09 R81R

59742 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Abstract of new publications and list of publications available. What's New Okla. Agr. 25,19 p. Jan. 1953. 100 Ok4W

59743 PANAMA. MINISTERIO DE AGRICULTURA, COMERCIA E INDUSTRIAS. Memoria correspondiente al ejercicio administrativo de 1951-1952. 169 p. Panamá, 1952. 8 P195

59744 PERAL, A. DA. S. Pests of agriculture—the field rat. (In Portuguese.) Gaz. do Agr. 5(44):8-9. Jan.1953. 24 G25
Mozambique.

59745 PRINCE EDWARD ISLAND. DEPT. OF AGRICULTURE. Annual report for the fiscal year ending March 31st 1952. Summerside,1952. 99 p. 7 P93A

59746 RHODE ISLAND. AGRICULTURAL EXPERIMENT STATION. Cooperative nutritional status studies in the Northeast Region. IV. Dietary findings. R. I. Agr. Expt. Sta. B. 319,24 p. Ref. June 1952. 100 R34S

59747 ROUBERTOU, J. La lutte contre les rongeurs nuisibles. Paris,Foulon,1952. 59 p. 412.7 R75
Thèse - École Nationale Vétérinaire, Alfort.

59748 ROYAL SOCIETY OF NEW ZEALAND, WELLINGTON. SCIENCE CONGRESS. Report of the seventh Science Congress, Christchurch, May 15-21 (inclusive), 1951. Christchurch,1952. 256 p. 90.09 R81R

59749 ST. VINCENT. AGRICULTURAL DEPT. Annual report, 1950. Kingstown,1952. 53 p. 102 W528

59750 SCHUITEMAKER, W. J. The wild rabbit problem. (In Dutch.) Groenten en Fruit 8:760. Apr.2,1953. 80 G89

59751 SCHWEIZER BAUER. Kalender für das schweizer haus, 1952, 58. jahrgang. Bern,1952. 128 p. 17 Sch95K

59752 SCOTLAND. DEPT. OF AGRICULTURE. Agriculture in Scotland; the report of the Department of Agriculture for Scotland for 1952. Edinburgh,1953. 96 p. (Cmd. 8792). 10 Sco82Re

59753 SIGLER, W. F. The rainbow trout in relation to the other fish in Fish Lake. Utah. Agr. Expt. Sta. B. 358,26 p. Ref. Feb.1953. 100 Ut1

59754 SWEDEN. STATENS LANTBRUKSKEMISKA KONTROLLANSTALT. Statens Lantbrukskemiska Kontrollanstalt 1/7 1951-30/6 1952 [The State Agricultural Chemical Control Institute, 7/1, 1951-6/30, 1951]. Sweden. Stat. Lantbrkem. Kontanst. Meddel. 14,30 p. 1953. 385 St6

59755 SWINGLE, H. S., PRATHER, E. E., and LAWRENCE, J. M. Partial poisoning of overcrowded fish populations. Ala. Agr. Expt. Sta. C. 113,15 p. Mar. 1953. 100 AL1S

59756 TEXAS. AGRICULTURAL EXPERIMENT STATION. Agricultural research publications available; abstracts of technical articles published during 1952. Tex. Agr. Expt. Sta. C. 133,35 p. Feb.1953. 100 T31S

59757 UGANDA. DEPT. OF AGRICULTURE. Annual report for the year ended 31st December, 1951. Entebbe, 1952. 56 p. 24 Ug12

59758 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1954. Hearings, 83d Cong., 1st sess. Pt. 2, Agricultural Research Administration. Washington,1953. p.219-853. 1 Ag81Hes

59759 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1954. Hearings, 83d Cong., 1st sess. pt. 3. Washington,1953. p.855-1500. 1 Ag81Hes

59760 U. S. FOREST SERV. Fish stream improvement handbook, by M. A. Gee. Washington?1952. 21 p. 1.9 F76Fis

59761 U. S. NORTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents, July-December 1952. U. S. Bur. Agr. & Indus. Chem. AIC-318 (sup.3),17 p. Mar.23,1953. 1.932 A2Ag82

59762 U. S. PRODUCTION AND MARKETING ADMIN. Directory of State departments of agriculture, 1953. Washington,1953. 50 p. 1.956 A2D624

59763 WEBER, A. D. Publication list; publications available from the Agricultural Experiment Station. Kans. Agr. Expt. Sta. C 295,4 p. Feb.1953. 100 K13S

59764 WEST VIRGINIA. DEPT. OF AGRICULTURE. 20th biennial report, July 1, 1950—June 30, 1952. Charleston,1952. 160 p. 2 W52R

HISTORY AND BIOGRAPHY

59765 ALEXANDER, C. P. Henry Torsey Fernald (1866-1952). Ent. News [Philadelphia] 64:85-88. Apr. 1953. 421 En88

59766 ALLAN, P. B. M. Haworth and his Prodromus. I. Ent. Rec. & J. Variation 65:82-84. Mar.1953. 421 En89

59767 BAXA, J. Franz Carl Achard, der begründer der rübenzuckerindustrie. L und E 6(3):14-15. Mar. 1953. 389.8 Z34

59768 BAXA, J. Franz Carl Achard, zum gedächtnis seines 200. geburtstages am 28. April 1753. Zucker 6: 109-114. Ref. Mar.15,1953. 65.8 Z82

59769 BEILMANN, A. P. Hermann Von Schrenk (1873-1953). Mo. Bot. Gard. B. 41:51-53. Mar.1953. 451 M69B

59770 BOTTINI, O. Alberto de Dominicis (1879-1952). (In Italian.) Italia Agr. 90:136-140. Feb.1953. 16 It1

59771 CAMIO, M. Alvaro Reynoso, precursor de la agricultura cubana. Tierra Libre 17(3):8-9. Mar. 1953. 8 T443

59772 CHAND, U. Late Dwarka Nath Nanda. Indian Soc. Agr. Statis. J. 4:109-112. 1952. 22 In292

59773 CHEVALIER, A. Deux naturalistes français explorateurs d'Océanie très oubliés: V. A. Deschamps et Joseph Ventenat. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:65-66. Jan./Feb.1953. 26 R323

59774 CIFERRI, R., and REFATTI, E. Giulio Catoni (6 September 1869-19 October 1950). (In Italian.) Sta. di Patol. Veg. B. (ser.3)9:119-127. 1951,pub.1953. 464.9 R662
Includes list of his publications.

59775 CZUBIŃSKI, Z. Feliks Józef Krawiec (1906-1939). (In Polish.) Soc. Bot. Polon. Acta 22:259-266. 1953. 451 So16
French summary.
Includes list of his publications.

59776 EASTERBROOK, L. F. The land of Britain. London,News Chronicle,1952. 40 p. (Background to the News 10) 30.9 Ea73
Agricultural history.

59777 FABRICIUS, L. Dr. Carl Alwin Schenck, zur vollendung seines 85. lebensjahres. Allg. Forstz. 8:151. Mar.18,1953. 99.8 AL52

59778 FIORI, A. Graf Emilio Turati. Wien. Ent. Gesell. Z. 37:96-98. Oct.30,1952. 421 Os7
Includes a list of his publications.

59779 FRASER, H. M. Johann Ludwig Christ (1739-1813). Beekeepers' Rec. 71:39. Mar.1953. 424.8 B398

59780 GRANHALL, I. Herman Nilsson-Ehle, 12/2 1873—29/12 1949. (In Swedish.) Svensk Bot. Tidskr. 46: 512-516. 1952. 450 Sv2

59781 HANDLEY, J. E. Scottish farming in the eighteenth century. London,Faber and Faber,1953. 314 p. 30.9 H192

59782 HILTON, N. The Land's End Peninsula: the influence of history on agriculture. Geog. J. 119:57-72. Ref. Mar.1953. 472 G29

59783 HOBBY, B. M. Prof. G. D. Hale Carpenter, M.B.E. Nature [London] 171:592-593. Apr.4,1953. 472 N21

59784 HOFFMANN, E. Ignaz Schiffermüller. Wien. Ent. Gesell. Z. 37:57-65. Oct.15,1952. 421 Os7

59785 HONIGSHEIM, P. A new synopsis of agricultural history; a review of Abel's Agrarpolitik. Agr. Hist. 26:156-160. Oct.1952. 30.98 Ag8

59786 HOWELL, J. T. Dorothy Sutliffe: a biographical note and appreciation. Bryologist 56:51-53. Mar. 1953. 450 B84

59787 HUEY, R. G. Theodor Entrup, German Dahlia breeder. Dahlia 21(2):18-19. Dec.1952. 80 D133

59788 HUMBERT, H. François Gagnepain, in memoriam. Notulae System. 14:221-229. Dec.1952. 452 L493
Includes list of his publications.

59789 JAUG, J. O. Hilarion Silvestre Silayan—an obituary (1894-1952). Soil Sci. Soc. Philippines. J. 4:223-224. Fourth Q.1952. 56.9 So35

59790 JOSEPH Lyonel King. J. Econ. Ent. 46:189. Feb.1953. 421 J822

59791 KEUNE, O., ed. Männer die nahrung schufen. Hannover,Landbuch-Verlag,1952. 555 p. 33.27 K512
History of the men who have contributed to agricultural research.

59792 LANGE, T. In memoriam. E. Th. Fries, 9/7 1875-11/10 1951. (In Swedish.) Bot. Not. 4:442-445. 1952. 450 B656

59793 MARKGRAF, F. Johannes Mattfeld. Bot. Jahrb. 75:425-442. June 1952. 450 En3B
Includes list of his publications.

59794 MERRILL, G. B. Dr. Henry Torsey Fernald. Fla. Ent. 36:35. Mar.1953. 420 F662

59795 MILLER, R. W. Ezra Taft Benson—agricultural statesman. Town & Country Church 88:12-13. Apr. 1953. 281.28 T66

59796 MILLS, H. B. Carl J. Weinman, 1915-1952. J. Econ. Ent. 46:188. Feb.1953. 421 J822

59797 NIKOLIĆ, S. Aleksandar I. Stebut. (In Serbo-Croatian.) Zeml. i Biljka 1:181-186. Sept./Dec.1952. 56.8 Z42
Includes list of his publications.

59798 PETER. Zur 150jährigen wiederkehr des geburtstages Justus Liebigs. Deut. Bauern Kal. 1953: 115-116. 18 D4826

59799 POE, C. He was the South's greatest agricultural leader. Prog. Farmer, Tex. Ed. 68(4):206,205. Apr. 1953. 6 T311
Dr. Seaman A. Knapp.

59800 POSTAN, M. M. Glastonbury Estates in the twelfth century. Econ. Hist. Rev. (ser.2)5:358-367. 1953. 277.8 Ec7

59801 PROFESSOR Dr. Ernst Gaber †. Holz als Roh- u. Werkst. 10:477-478. Dec.1952. 99.81 H74
Includes list of his publications.

59802 PROFESSOR Dr. Johannes Liese †. Holz als Roh- u. Werkst. 10:476. Dec.1952. 99.81 H74
Includes list of his publications.

59803 SADASIVAN, T. S. Professor B. B. Mundkur—obituary. Cur. Sci. 22:37. Feb.1953. 475 Sci23

59804 SALVADOR Y ASCASO, J. M. El campo de la historia en la historia del campo. Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 58:12. (Cont.) Mar.1953. 15 Sa7

59805 SHOUGH, B. Bakewell of Dishley. Estate Mag. 53:108-109. Mar.1953. 10 Es8
Efforts of Robert Bakewell to improve farming methods.

59806 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A salute to Seaman Knapp, by R. K. Bliss, T. E. Dewey, and J. Towers. Washington,Feb.28, 1953. 3 p. 1.914 R2R11

59807 U. S. EXTENSION SERV. Significant dates in the history of cooperative extension work. Washington, 1953. 6 p. 1.913 A2Si22

59808 VETHE, K. The Norwegian Marshland Society through 50 years. (In Norwegian.) Norske Myrselsk. Meddel. 51:22-29. Feb.1953. 11 N813

59809 WEIMARCK, H. Henning Nilsson, 9.10.1877—20.1.1951. (In Swedish.) Bot. Not. 4:446-447. 1952. 450 B656

59810 WEISS, H. B. Jacob Christian Schäffer, 1718-1790,clergyman, entomologist, papermaker, scholar. N. Y. Ent. Soc. J. 60:241-244. Dec.1952. 420 N48J

59811 ZANKERT, A. Er entdeckte Davidshirsch und bambusbär; von den reisen des Pater David in China. Kosmos 49:151-154. Apr.1953. 474 K842

59812 ZOLOTAREV, M. N., ZAKHAROV, P. S., and SLIUSAREV, M. G. Dmitrii Vladimirovich Pomerantsev [1869-1952]. (In Russian.) Les i Step' 4(11):94. Nov. 1952. 99.8 L565

HOME MANAGEMENT

59813 BARBUAT, A. DE. Les arts ménagers ruraux. Agr. Prat. 117:65. Feb.1953. 14 J82
France.

59814 BELL, M. Sand your floors. Ark. Agr. Col. Ext. L. 171,8 p.-folder. Nov.1952. 275.29 Ar4Le

59815 BELL, W. Composition floor coverings. W. Va. Agr. Col. Ext. Good Living Ser. 20(7),4 p. n.d. 275.29 W522G

59816 DODSON, E., and QUINN, F. R. How to make a coat. Calif. Agr. Expt. Sta. C. 419,23 p. Feb.1953. 100 C12S
Supersedes Extension Circular 145.

59817 IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. My wish book of home furnishings. Iowa. State Col. Agr. Ext. HE 21,34 p. Jan.1952. 275.29 Io9He

59818 LUSK, M. An outfit for the man in your life; 4-H clothing plan VIII. Wash. State Col. Ext. B. 471,8 p. Feb.1953. 275.29 W27P

59819 MCCORDIC, M. P., and YOUNG, L. A. Easier washing. Wis. Agr. Col. Ext. C. 438,18 p. Jan. 1953. 275.29 W75C

59820 TEESDALE, L. V., and MATHEWSON, J. S. Preventing cracks in new wood floors. U. S. D. A. L. 56,rev.,6 p. 1953. 1 Ag84L

59821 TENBORG, C. Improving Arkansas rural communities through home management. Ark. Agr. Col. Ext. L. 185,6 p.-folder. Mar.1953. 275.29 Ar4Le

59822 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Farm family clothing purchases and a farm-city comparison. Meeker and Wright Counties, Minn., 1949-50. Minneapolis-St. Paul, Minn., 1948-49. U. S. Bur. Human Nutr. & Home Econ. Studies Family Clothing Supplies Prelim. Rpt. 7,30 p, Apr.1953. 1.982 T2St9

59823 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Materials published or in press, July 1, 1951 to June 30, 1952. Washington,1952. 10 p. 1.982 A2M41

59824 WASMUTH, G. The family plans its time. W. Va. Agr. Col. Ext. Good Living Ser. 20(9),6 p.-folder. n.d. 275.29 W522G
Home management.

INTERNATIONAL RELATIONS

59825 HUDSON, S. C. FAO in 1952. Econ. Annal. 23:46-48. Apr.1953. 281.8 Ec72

59826 MORSE, T. D. Foreign agricultural relationships. Washington,U. S.D. A., Off. Sec.,1953. 3 p. 1.91 A2M83
Remarks before a dinner meeting sponsored by the National Conference of Non-Governmental Organizations on the Food and Agriculture Organization, Washington, D. C., Feb. 16, 1953.

59827 ORBANEJA, A. Programs and realizations of the FAO in the field of technical assistance. (In Italian.) Agricoltura 2:54-57. Jan.1953. 16 Ag8226

59828 SANCHEZ GAVITO, X. El extenso programa de la FAO. Peru. Dir. Gen. de Com. Inform. Com. 4(37):4-7. Jan.1953. 286.9 P432

59829 U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. TECHNICAL COLLABORATION BR. Semi-annual list of publications. Washington,1952. 7 p. 1.943 Se5

METEOROLOGY

59830 BARACHO, I. Las lluvias artificiales. Agr. Venezol. 17(158):24. Dec.1952. 9.95 Ag8

59831 FLORENSA, M. La lluvia artificial. Cam. Ofic. Sind. Agr. de Zaragoza. B. Mens. 57:14-15. Feb. 1953. 15 Sa7

59832 LAGOS U., J. A. Meteorologia agricola: el rocio. Agr. Costarricense 11:52. Feb.1953. 8 Ag895

59833 PASTEUR. La pluie. Agr. Prat. 117:69-71. (Concl.) Feb.1953. 14 J82

59834 SHAW, R. H. You can figure your spring freeze hazard. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:155-156. Mar.1953. 275.28 Io94

RESEARCH

59835 ADDENS, N. H. H. Agricultural research and practice; the development of research in the Netherlands. (In Dutch.) Nieuwe Veldbode 19:521-522. Mar. 26,1953. 12 V542N

59836 ALASKA. AGRICULTURAL EXPERIMENT STATION. Report of progress, January 1 to December 31, 1952. Palmer,1953. 104 p. 100 AL122A

59837 BEUTELSPACHER, H. Das elektronenmikroskop und seine anwendung in der landwirtschaftlichen forschung. Übersicht 4:145-154. Feb.1953. 18 Ub3

59838 BRANDT, L. Die bedeutung der forschung. Fette u. Seifen 55:144-147. Feb.1953. 384 C422
Includes agricultural research.

59839 CENTRALE ORGANISATIE T. N. O. Jaarverslag 1951 [Annual report 1951]. 's-Gravenhage,1952. 258 p. 330.9 C333
Agricultural research.

59840 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Report for the year 1951-52. London,1953. 293 p. 330.9 G792R
Includes research relating to agriculture.

59841 MARIN, R. Ecuador formó en Pichilingue un centro de investigaciones agricolas muy interesante. Mundo Agr. 5(45):64-65. Feb.1953. 9 M92

59842 MARYLAND. AGRICULTURAL EXPERIMENT STATION. Research the key to agricultural progress; 65th annual report, 1951-1952. Md. Agr. Expt. Sta. B. A-74,88 p. Nov.1952. 100 M36S

59843 MICHIGAN. STATE BOARD OF AGRICULTURE. Twentieth annual report, 1952 and sixty-fifth annual report, Agricultural Experiment Station, 1951/52. Lansing,1952. 301 p. 100 M58S

59844 NETHERLANDS. RIJKSLANDBOUWCONSULENT TE DRACHTEN. Landbouwverslag ambtsgebied Z. O. Friesland [Agricultural report S. E. Friesland], 1951. Drachten,1952? 114 p. 12 N3822
Research.

59845 NETHERLANDS. RIJKSLANDBOUWCONSULENTSCHAP, ZUIDELIJK-GELDERLAND. Landbouwverslag [Agriculture report], 1951. Tiel,1952. 71 p. 12 N3823
Research.

59846 POWERS, R., and MUCKENHIRN, R. J. What's new in farm science; [sixty-eight] annual report, 1950/51. II. Wis. Agr. Expt. Sta. B. 498,73 p. July 1952. 100 W75

59847 SHAW, B. T. Research and our agricultural future. Washington,U. S. Agr. Res. Admin.,1952. 6 p. 1.98 Sh2
Abstract of address before the Agriculture Committee of the California State Chamber of Commerce, San Francisco, Dec. 4, 1952.

59848 SOCIEDAD AGRICOLA DEL NORTE. 45 memoria anual correspondiente al periodo julio 1951 a julio 1952. Agr. del Norte 42:86-92. May/July 1952. 9.3 So14

59849 STUBBE, H. Unsere akademie. Deut. Bauern Kal. 1953:54-55. 18 D4826
Agricultural research in the Russian Zone of Germany.

59850 SVENSK jordbruks forskning; aktuella praktiska resultat. Årsbok 1953 [Report of the Agricultural Board for the year 1953]. Stockholm,Jordbrukets Upplysningsnämnd,1953. 277 p. 11 J763

59851 U. S. AGRICULTURAL RESEARCH ADMIN. Questions and answers on agricultural research in the United States. Rev. Washington,1953. 18 p. 1.98 Or32

59852 U. S. AGRICULTURAL RESEARCH ADMIN. Report of the administrator, 1951/52. Washington,1953. 484 p. 1.98 R29

59853 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture Appropriations for 1954. Hearings, 83d Cong., 1st sess. Pt. 2. Agricultural Research Administration. Washington,D.C., 1953. p.219-853.

59854 U. S. DEPT. OF AGRICULTURE. AGRICULTURAL RESEARCH ADMIN. Agricultural research, a key to strengthening our American way of life. A report on long-time objectives for agricultural research. Washington,1953. 26 p. 1.90 C2Ag82A

59855 WILD, L. J. Science and primary production in New Zealand 1850-1900. Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:217-223. 1951,pub.1952. 90.09 R81R

STATISTICS

59856 AGRICULTURAL production statistics in Pakistan. Pakistan. Cent. Statis. Off. Statis. B. 10:xi-xiv. Dec.1952. 269.5 P172S
Methods of collecting statistics.

59857 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. ECONOMICS DIV. Systems of agricultural statistics. Indian Soc. Agr. Statis. J. 4: 95-108. 1952. 22 In292

59858 INDIAN SOCIETY OF AGRICULTURAL STATISTICS. Fourth annual report, 1950-51. Indian Soc. Agr. Statis. J. 4:153-162. 1952. 22 In292

59859 IOWA STATE COLLEGE. STATISTICAL LABORATORY. Annual report, July 1, 1951 to June 30, 1952. Ames,1952. 28 p. 251 Io92
Includes agricultural research.

59860 IYER, P. V. K. Factorial moments and cumulants of distributions arising in Markoff chains. Indian Soc. Agr. Statis. J. 4:113-123. 1952. 22 In292

59861 KISHEN, K., and RAO, C. R. An examination of various inequality relations among parameters of the balanced incomplete block design. Indian Soc. Agr. Statis. J. 4:137-144. 1952. 22 In292

59862 NAIR, K. R. Relation between efficiency of incomplete block designs and the intra-class correlations associated with incomplete and complete blocks. Indian Soc. Agr. Statis. J. 4:149-152. 1952. 22 In292

59863 SINGH, B. N. Use of complex Markoff's chain in testing randomness. Indian Soc. Agr. Statis. J. 4:145-148. 1952. 22 In292

59864 TELANG, M. A., and GODAMBE, V. P. A review of sample surveys in Bombay State undertaken by the Bureau. Bombay. Bur. Econ. & Statis. B. 6:1-7. July 1952,1953. 269.54 Ec7
Application to agriculture.

59865 THAWANI, V. D. A simple method of construction of symmetrical confounded factorial designs. Indian Soc. Agr. Statis. J. 4:124-136. 1952. 22 In292

59866 THIEDE, G. Die naturräumliche gliederung als aufbereitungsschema für die agrarstatistik. Ber. z. Deut. Landesk. 11:506-514. July 1952. 18 B454

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Information Bulletins

GARLOCK, F. L., and others. Financial structure of Virginia agriculture. U. S. D. A. Agr. Inform. B. 97,59 p. Feb.1953. 1 Ag84Ab
M. E. Wallace, R. W. Bierman, and H. M. Love, joint authors.

Bibliographical Bulletin

HANNAY, A. M., GOOCH, D. W., and GOULD, M. L. Land ownership; a bibliography of selected references. U. S. D. A. Bibliog. B. 22,293 p. Jan.1953. 1 Ag84Bi

Circulars

JONES, J. W., and others. Rice varieties and their yields in the United States, 1939-50. U. S. D. A. C. 915,28 p. Ref. Mar.1953. 1 Ag84C
C. R. Adair, H. M. Beachell, N. E. Jodon, and A. H. Williams, joint authors.

Farmers' Bulletins

REYNOLDS, H. G., and SPRINGFIELD, H. W. Reseeding Southwestern range lands with crested wheatgrass [Agropyron cristatum]. U. S. D. A. Farmers' B. 2056,20 p. 1953. 1 Ag84F

Leaflets

TEESDALE, L. V., and MATHEWSON, J. S. Preventing cracks in new wood floors. U. S. D. A. L. 56,rev.,6 p. 1953. 1 Ag84L

WHITTEN, R. R. Elm bark beetles [Scolytus multistriatus and Hylurgopinus rufipes]. U. S. D. A. L. 185,rev.,8 p. 1953. 1 Ag84L

KELLOGG, C. E. Chinchilla raising. U. S. D. A. L. 266,rev.,8 p. Jan.1953. 1 Ag84L

Marketing Research Reports

BADGER, H. T. Marketing charges for carrots sold in Pittsburgh, Pa., Dec. 1949-June 1950, and in Cleveland, Ohio, Feb.-June, 1950. U. S. D. A. Mktg. Res. Rpt. 31,36 p. Feb.1953. 1 Ag84Mr

Statistical Bulletins

U. S. BUR. OF AGRICULTURAL ECONOMICS. Feed statistics including wheat, rye, rice. U. S. D. A. Statis. B. 121,55 p. Jan.1953. 1 Ag84St

U. S. BUR. OF AGRICULTURAL ECONOMICS. Potatoes; acreage, production, value, farm disposition, Jan. 1 stocks (1866-1950), by G. B. Strong, and I. Holmes. U. S. D. A. Statis. B. 122,109 p. Mar.1953. 1 Ag84St

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. Agricultural statistics, 1952. Washington,1952. 876 p. 1 Ag84Yas

U. S. DEPT. OF AGRICULTURE. 1953 production goals program; potatoes and sweet potatoes. Washington,1953. 12 p. 1.90 A2P9435

U. S. DEPT. OF AGRICULTURE. NUTRITION COMMITTEE. Nutrition and the U. S. Department of Agriculture. Washington,1952. 14 p. 1.90 C2N95

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

HILBERT, G. E. Opportunities for chemistry in agriculture. Washington,U. S. Bur. Agr. & Indus. Chem.,1952. 22 p. 1.9321 N2H54
Presented before the symposium "Contributions of Chemistry to Agriculture" at the 119th meeting of the American Association for the Advancement of Science, St. Louis, Dec. 30, 1952.

HUMMELL, J. D., and WIEBE, R. Alcohol-water injection for farm tractors. U. S. Bur. Agr. & Indus. Chem. AIC-349,12 p. Feb.1953. 1.932 A2Ag82

MACMASTERS, M. M. Grain structure and grain storage. U. S. Bur. Agr. & Indus. Chem. AIC-348, 11 p. Ref. Feb.1953. 1.932 A2Ag82

U. S. NORTHERN REGIONAL RESEARCH LABORATORY. List of publications and patents, July-December 1952. U. S. Bur. Agr. & Indus. Chem. AIC-318 (sup.3),17 p. Mar.23,1953. 1.932 A2Ag82

U. S. NORTHERN REGIONAL RESEARCH LABORATORY. List of publications, proteins and related subjects. U. S. Agr. & Indus. Chem. AIC-228(sup.5),2 p. 1952. 1.932 A2Ag82

U. S. NORTHERN REGIONAL RESEARCH LABORATORY. List of publications, vegetable oils and related subjects. U. S. Bur. Agr. & Indus. Chem. AIC-184(sup.5),3 p. 1952. 1.932 A2Ag82

AGRICULTURAL ECONOMICS, BUREAU OF

BREIMYER, H. F. What the Department of Agriculture can contribute to the welfare and prosperity of the livestock and meat industry in 1953. Washington, U. S. Bur. Agr. Econ.,1953. 5 p. 1.941 A2B74
Remarks at annual meeting of the Western States Meat Packers Association, San Francisco, Feb. 12, 1953.

HECHT, R. W., and MORGAN, Q. M. Labor and power used for farm enterprises, Pennsylvania, 1950. U. S. Bur. Agr. Econ. F. M. 102,32 p. Feb.1953. 1.941 L6F22

IBACH, D. B. Interpreting fertilizer response for better farm management. Washington,U. S. Bur. Agr. Econ.,1952. 29 p. 1.941 A21B1
Paper presented at the annual meeting of the American Society of Farm Managers and Rural Appraisers, Chicago, Dec. 1, 1952.

JOHNSON, S. E. Cotton in balanced farming. Washington,U. S. Ext. Serv.,1953. 1 p. 1.913 A2C823

U. S. BUR. OF AGRICULTURAL ECONOMICS. Acreage and production of vegetable seeds in 1952 and 1953. Washington,1953. 8 p. 1.941 S3V52

U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual fiber flax summary, 1952 crop. Portland,Oreg., 1953. 1 p. 1.941 H8F61

U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock and poultry inventory (as of January 1, 1952). Fargo,1952. 2 p. 1.941 H8L754

U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock report as of January 1, 1953. Orlando, 1953. 2 p. 1.941 H8L755

U. S. BUR. OF AGRICULTURAL ECONOMICS. Cash receipts and value of home consumption by States, 1924-51. Washington?1952. 40 p. 1.941 F2C26

U. S. BUR. OF AGRICULTURAL ECONOMICS. Cattle on feed, April 1, 1953. Washington,1953. 2 p. 1.9 Ec742Caf

U. S. BUR. OF AGRICULTURAL ECONOMICS. Consumer purchases of fruits and juices by regions and retail outlets, Oct.-Dec. 1952. Washington,1953. 36 p. 1.941 M3R26

U. S. Production and Marketing Administration cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production practices, labor, power, and materials, by operation. Mountain and Pacific States. U. S. Bur. Agr. Econ. F. M. 92(Sect.5),302 p. Mar.1953. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Economy of dairy foods for better nutrition, by P. E. O'Donnell. Chicago,Natl. Dairy Council,1952. 6 p. 389.1 Od5

U. S. BUR. OF AGRICULTURAL ECONOMICS. Factors affecting the weighted average auction price of Florida grapefruit, 1930-51, by W. S. Hoofnagle. Washington,1952. 14 p. 1.941 H2F112

U. S. BUR. OF AGRICULTURAL ECONOMICS. The farm cost situation. U. S. Bur. Agr. Econ. FCS-14, 22 p. Mar.1953. 1.941 F8F222

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition, and income from milk, 1951-52, by J. L. Wilson and H. M. Walters. Washington, 1953. 15 p. 1.942 D22F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition cash receipts and gross income, chickens and eggs, 1951-1952; chickens on farms, January 1, 1952-1953, by States, by E. S. Kimball, P. W. Smith, and R. F. Moore. Washington,1953. 9 p. 1.9 Ec71Fpc

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition cash receipts and gross income, turkeys, 1951-1952; turkeys on farms, January 1 1952-1953, by States, by E. S. Kimball, P. W. Smith, and R. F. Moore. Washington,1953. 5 p. 1.942 D22T84

U. S. BUR. OF AGRICULTURAL ECONOMICS. Fruits (noncitrus); production, farm disposition, value, and utilization of sales, 1950 and 1951, by E. O. Schlotzhauer and O. M. Frost. Washington,1952. 38 p. 1.941 H8F94

U. S. BUR. OF AGRICULTURAL ECONOMICS. Honey and beeswax production, 1951. Fargo,1952. 2 p. 1.941 H8H755

U. S. BUR. OF AGRICULTURAL ECONOMICS. Honey and beeswax production, 1952. Boise,1953. 2 p. 1.941 S8H753

U. S. BUR. OF AGRICULTURAL ECONOMICS. Missouri crop production 1952. Columbia,1953? 4 p. 1.941 S8M69

U. S. BUR. OF AGRICULTURAL ECONOMICS. Missouri lamb crop report, 1952. Columbia,1953? 2 p. 1.941 S8L16

U. S. BUR. OF AGRICULTURAL ECONOMICS. 1952 acreages and production with goal comparisons. Washington,1952. 10 p. 1.941 H8In2 and 1.941 S2P943

U. S. Production and Marketing Administration cooperating.

U. S. BUR. OF AGRICULTURAL ECONOMICS. Over forty percent of U. S. farms have telephones. Washington,1953. 1 p. 1.941 R5Ov2

U. S. BUR. OF AGRICULTURAL ECONOMICS. Popcorn production 1952. Washington,1952. 2 p. 1.9 Ec71Pop

U. S. BUR. OF AGRICULTURAL ECONOMICS. Stocks of hops, March 1, 1953. Washington,1953. 1 p. 1.941 S8H77

WALL, N. J. Looking ahead. Washington,U. S. Bur. Agr. Econ.,1953. 5 p. 1.941 F2W15

Presented at meeting of the Agricultural Commission of the American Bankers Association, Houston, Mar. 12, 1953.

WAUGH, F. V. Agricultural marketing research since 1946. Washington,U. S. Bur. Agr. Econ., 1952. 5 p. 1.941 P4W35

Talk at meeting of the New England Research Council, Amherst, June 19, 1952.

WAUGH, F. V., and ROBERT, S. A. Agricultural statistics related to marketing. Washington,U. S. Bur. Agr. Econ.,1952. 8 p. 1.941 P4W35

Paper presented at the meeting of the New York City chapter of the American Marketing Association, New York, Nov. 20, 1952.

AGRICULTURAL RESEARCH ADMINISTRATION

BEAVENS, E. A. Frozen purees from citrus fruits. U. S. Agr. Res. Admin. Res. Achvt. Sheet 158(C), 2 p. Mar.1953. 1.98 R31

GOLDTHWAIT, C. F. Cotton conforming bandage adopted by armed forces. U. S. Agr. Res. Admin. Res. Achvt. Sheet 160(C),2 p. Mar.1953. 1.98 R31

OLCOTT, H. S. Frozen peas improved by research. U. S. Agr. Res. Admin. Res. Achvt. Sheet 159(C), 2 p. Mar.1953. 1.98 R31

PATTON, E. L. Better gum turpentine. U. S. Agr. Res. Admin. Res. Achvt. Sheet 157(C),2 p. Mar. 1953. 1.98 R31

SHAW, B. T. Meeting the needs of our growing population. Washington,U. S. Agr. Res. Admin.,1953. 7 p. 1.98 Sh2

Talk before the annual Chemurgic Conference, National Farm Chemurgic Council, St. Louis, Mar. 10, 1953.

SHAW, B. T. Research and our agricultural future. Washington,U. S. Agr. Res. Admin.,1952. 6 p. 1.98 Sh2

Abstract of address before the Agriculture Committee of the California State Chamber of Commerce, San Francisco, Dec. 4, 1952.

SHAW, B. T. Research horizons for cotton. Washington,U. S. Agr. Res. Admin.,1953. 13 p. 1.98 Sh2

Talk before the Midsouth Gin Supply Exhibit, Memphis, Mar. 24, 1953.

TRELOGAN, H. C. Opportunities and problems in marketing research. Washington,U. S. Agr. Res. Admin.,1953. 16 p. 1.98 T71

Address, National Council of Farmer Cooperatives, New Orleans, Jan. 12-15, 1953.

U. S. AGRICULTURAL RESEARCH ADMIN. Agricultural research, a key to strengthening our American way of life. A report on long-time objectives for agricultural research. Washington,1953. 26 p. 1.90 C2Ag82A

U. S. AGRICULTURAL RESEARCH ADMIN. Report of the administrator, 1951/52. Washington,1953. 484 p. 1.98 R29

U. S. AGRICULTURAL RESEARCH ADMIN. Tobacco research and related service activities in North Carolina. Washington?1952. 29 p. 1.98 T55

North Carolina Agricultural Experiment Station, North Carolina Extension Service, and North Carolina Department of Agriculture, cooperating.

ANIMAL INDUSTRY, BUREAU OF

SHAHAN, M. S. Foot-and-mouth disease, a threat to the United States. Washington,U. S. Bur. Anim. Indus.,1952. 11 p. 1.972 A2F732

Presented before the Joint Session of the Engineering, Epidemiology, Food and Nutrition and Laboratory Sections on Oct. 23, 1952.

SIMMS, B. T. Controlling, eradication, and preventing transmissible diseases. Washington,U. S. D. A., Off. Sec.,1952. 9 p. 1.972 A2Si4

Talk at the Inter-American Meeting on Recent Advances in Animal Production at Bauru, Brazil, Dec. 15, 1952.

U. S. BUR. OF ANIMAL INDUSTRY. 15-minute talk on Federal meat inspection. Washington, 1952? 8 p. 1.972 M2F46

U. S. BUR. OF ANIMAL INDUSTRY. Incidence of rabies in the United States calendar year 1952. Washington,1953. 4 p. 1.972 A2In2

U. S. BUR. OF ANIMAL INDUSTRY. Newcastle diesease vaccine. Washington,1952. 2 p. 1.972 A2N43

U. S. BUR. OF ANIMAL INDUSTRY. Notice to laboratories, research institutions and individuals studying animal diseases; permit required to import or transport interstate restricted animal disease organisms and vectors. Washington,1952. 2 p. 1.972 A2N84

U. S. BUR. OF ANIMAL INDUSTRY. Poultry specialty clubs and national associations. U. S. Bur. Anim. Indus. A. H. D. 18,rev.,3 p. Mar.1953. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. Raw garbage spreads animal diseases. Washington,1953. 3 p. 1.972 A2R19

U. S. BUR. OF ANIMAL INDUSTRY. Scrapie in sheep. Washington,1953. 2 p. 1.972 A2Sco3

U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries and dealers participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 36(sup.4),5 p. Apr.10,1953. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. Supplement to hatcheries, dealers and independent flocks the National Turkey Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 105(sup.1),4 p. Apr.10,1953. 1.9 An52Ah

U. S. BUR. OF ANIMAL INDUSTRY. W-1-improvement of beef cattle through the application of breeding methods; report of annual meeting of Technical Committee, Corvallis, Oregon, August 4 and 5, 1952. Washington?1952. 47 p. 1.972 A2R298
Western States cooperating.

COMMODITY EXCHANGE AUTHORITY

U. S. COMMODITY EXCHANGE AUTHORITY. Investigation of importation of oats from Canada, 1951-52. Washington,1952. 33 p. 1.945 In82

U. S. COMMODITY EXCHANGE AUTHORITY. Survey of cotton "on call" sales, October 31, 1952. Washington,1952. 2 p. 1.945 Su7

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

KNIPLING, E. F. The greater hazard--insects or insecticides. Washington,U. S. Bur. Ent. & Plant Quar., 1952. 16 p. 1.967 A2K74
Talk at meeting of American Association of Economic Entomologists, Philadelphia, Dec. 15, 1952.

ROAN, C. C., and MAEDA, S. A microdevice for rapid application of toxicants to individual insects. U. S. Bur. Ent. & Plant Quar. ET-306,3 p. Apr.1953. 1.9 En83T

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Information on new insect repellent compositions developed for military use. Washington,1953. 1 p. 1.967 I3In3

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of defoliating, boring and sucking insects and their control. Washington,1953? 1 p. 1.967 A2In8

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of insect vectors of forest tree diseases and development of control methods for these vectors. Washington,1953? 1 p. 1.967 A2In85

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of insects affecting forest products and the development of control methods. Washington,1953? 1 p. 1.967 A2In82

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of the spruce budworm [Choristoneura] and its control. Washington,1953? 1 p. 1.967 A2In84

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Investigations of tree-killing bark beetles and their control. Washington,1953? 1 p. 1.967 A2In83

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Physiologic races of Puccinia graminis in the United States in 1951, by E. C. Stakman and D. M. Stewart. Washington?1953. 8 p. 1.967 A2P56
U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering and Minnesota Agricultural Experiment Station cooperating.

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of New Zealand. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-581,rev.,12 p. Mar.20,1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of New Zealand. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 581,rev.,(sup.1),1 p. Apr.9,1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of El Salvador. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 602,2 p. Apr.9,1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of Peru. U. S. Bur. Ent. & Plant Quar. B.E.P.Q.-556(sup.1),rev.,1 p. Mar.20,1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Requirements under Mexican fruit fly [Anastrepha ludens] regulations modified--sterilization of grapefruit required. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 601,1 p. Apr.8,1953. 1.9 F73

EXPERIMENT STATIONS, OFFICE OF

U. S. OFF. OF EXPERIMENT STATIONS. Bibliography on poultry industry, chickens, turkeys, aquatic fowl, gamebirds, 1952, by R. B. Nestler, C. Zeigfinger, and C. DeLashmitt. Washington,1953. 117 p. 1.912 B472

EXTENSION SERVICE

COUGHLIN, W. E. Performance and potential of man-made fibres. Washington,U. S. Ext. Serv.,1953. 6 p. 1.913 H4P41
Talk, Oct. 21, 1952.

FERGUSON, C. M. Faith--soil--people. Washington,U. S. Ext. Serv.,1953. 5 p. 1.913 A2F38
Address to the student body of the College of Agriculture, Ohio State University, during Religion-in-Life Week, Jan. 28, 1953.

GALLUP, G. Evaluating home economics extension work. Washington,U. S. Ext. Serv.,1952. 12 p. 1.913 A2G13
Talk, Land-Grant College Association meeting, Washington, D. C., Nov. 10, 1952.

REESE, M. J. Whom do we salute? Washington,U. S. Ext. Serv.,1952. 3 p. 1.9 Ex892Rem
Address before annual meeting of the National Home Demonstration Agents' Association, Chicago, Nov. 8, 1952.

U. S. EXTENSION SERV. Analysis: if a 15- to 16-million-bale cotton crop is produced in 1953. Washington,1953. 2 p. 1.913 A2An13

U. S. EXTENSION SERV. Annual report of extension work 1951-52; consumer education in food marketing, by G. A. Ueland and E. A. Johnson. Washington,1953. 8 p. 1.913 A5Ex83

U. S. EXTENSION SERV. Enrollments and completions in 4-H Clubs in 1952, reported by all Extension agents. Washington,1953. 1 p. 1.913 S2En7

U. S. EXTENSION SERV. Handling and judging frozen food at fairs, by E. L. Blanchard. Washington,1952. 24 p. 1.913 F4L56

U. S. EXTENSION SERV. Iowa leadership conferences report. Washington,1952. 14 p. 1.913 C3C78

U. S. EXTENSION SERV. List of "agricultural outlook" publications prepared by State extension services. Washington,1953. 6 p. 1.913 A5L694

U. S. EXTENSION SERV. Principles and procedures for using and authorizing the use of the 4-H Club name and emblem. Washington,1953. 7 p. 1.913 F3P933

U. S. EXTENSION SERV. Recommendations for new and expanded educational work on grain marketing. Rev. Washington,1953. 2 p. 1.913 A2R247

U. S. EXTENSION SERV. Report by women trainees; evaluation report of our study trip through the U. S. Washington,1952. 7 p. 1.913 S2R295

U. S. EXTENSION SERV. Report of seed certified in 1952 by State certifying agencies, by J. M. Saunders, comp. Washington,1953? 98 p. 1.913 A2R292

U. S. EXTENSION SERV. The young men and women's program of the Cooperative Extension Service, by W. E. Schmidt. Washington,1953. 10 p. 1.913 O2Y82

U. S. EXTENSION SERV. DIV. OF AGRICULTURAL ECONOMICS. Helping people improve community living; a summary of extension work in the United States in 1951-52 in rural sociology, community development, health education, recreation, by E. J. Niederfrank. Washington,1952. 21 p. 1.913 A5H36

FARM CREDIT ADMINISTRATION

GESSNER, A. L. Statistics of farmers' marketing, purchasing and service cooperatives, 1950-51. U. S. Farm Credit Admin. Coop. Res. & Serv. Div. Misc. Rpt. 169,41 p. Mar.1953. 166.3 M68

U. S. FARM CREDIT ADMIN. Production Credit Associations; summary of operations calendar year 1952. Washington,1953. 21 p. 1.955 P2Su6

FARMERS HOME ADMINISTRATION

U. S. FARMERS HOME ADMIN. Farm flock sheep program for west of the mountains in Oregon and Washington and irrigated farms east of the mountains. Washington?1952. 3 p. 1.949 F2252

U. S. FARMERS HOME ADMIN. The Farmers Home Administration, types of loans. Vincennes,Ind., 1953? 1 p. 1.949 F2253

FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. It's good business to protect your corn investment. U. S. D. A. PA-218,4 p.-folder. Feb.1953. 1 Ag84Pro

FOREIGN AGRICULTURAL SERVICE

HAGGERTY, J. J. Patterns of agricultural production, population trends and agricultural policies in the world. Washington,U. S. Off. Foreign Agr. Relat., 1952. 14 p. 1.943 H12

Summary of remarks before the annual Conference of the Arkansas Agricultural Extension Service, Little Rock, Ark., Dec. 16, 1952.

U. S. OFF. OF FOREIGN AGRICULTURAL RELATIONS. TECHNICAL COLLABORATION BR. Semiannual list of publications. Washington,1952. 7 p. 1.943 Se5

FOREST SERVICE

COOPER, R. W. Prescribed burning to regenerate sand pine [Pinus clausa]. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 22,1 p. Jan.1953. 1.9622 S4R312

COOPER, R. W., and SCHOPMEYER, C. S. Viability of sand pine [Pinus clausa] seed. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 23,2 p. Jan. 1953. 1.9622 S4R312

GERRY, E. Pyingado (Pyinkado) Xylia dolabriformis Benth. (=Mimosa xylocarpa Taub.) family: Leguminosae. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1938,6 p. Ref. 1952. 1.9 F761R

HEPTING, G. H., ROTH, E. R., and LUXFORD, R. F. The significance of the discolorations in yellow-poplar veneers [Liriodendron tulipifera]. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1375,rev.,8 p. Dec.1952. 1.9 F761R

HOOVER, M. D. Interception of rainfall in a young loblolly pine [Pinus taeda] plantation. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 21,13 p. Jan.1953. 1.9622 S4St2

LINDENMUTH, A. W. How dry were southern Appalachian forests in the fall of 1952. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 24,2 p. Jan.1953. 1.9622 S4R312

MCARDLE, R. E. Multiple use—multiple benefits. Washington,U. S. Forest Serv.,1953. 8 p. 1.962 A2M12

Presented at North American Wildlife Conference, Washington, D. C., Mar. 10, 1953.

MCCLAY, T. A. Comparative stumpage prices for small pine saw timber and pulpwood. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 16,7 p. Apr.1952. 1.9622 S4St2

MCCLAY, T. A. Estimating board widths obtainable from pine trees of different diameters. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 25,2 p. Jan.1953. 1.9622 S4R312

MCCLAY, T. C. Estimating time requirements for tree poisoning with ammate. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 27,2 p. Jan.1953. 1.9622 S4R312

MCCLAY, T. A. Relation of tree size to production rates when cutting pine pulpwood with a chain saw. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 28, 2 p. Jan.1953. 1.9622 S4R312

MERGEN, F. Gum yields in longleaf pine [Pinus palustris] are inherited. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 29,2 p. Jan.1953. 1.9622 S4R312

MINCKLER, L. S., and DEITSCHMAN, G. H. Growth of thinned and unthinned loblolly pine [Pinus taeda] in southern Illinois. U. S. Forest Serv. Cent. States Forest Expt. Sta. Notes 73,2 p. Mar.1953. 1.9 F762525

MORAVETS, F. L. Forest statistics for Skamania County, Washington. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Forest Survey Rpt. 107,23 p. Jan.1953. 1.9622 P2F76

PETERSON, R. A. Forage plants in a Montana high altitude nursery. U. S. Forest Serv. North Rocky Mountain Forest & Range Expt. Sta. Res. Note 115,5 p. Feb.1953. 1.9622 N3R31

U. S. FOREST SERV. A job with the Forest Service; information about permanent and temporary jobs with the U. S. Forest Service. Rev. Washington,1953. 12 p. 1.962 A2J572

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications July 1 to December 31, 1952. Madison,1953? 12 p. 1 F7692L

U. S. FOREST SERV. INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Annual report, 1952. Ogden,Utah,1953? 66 p. 1.9622 I2An7

U. S. FOREST SERV. NORTH CENTRAL REGION. Canoe routes, Superior National Forest. Milwaukee,1953. 16 p. 1.9621 R9C16

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Annual report, 1952. Portland,Oreg.,1953. 57 p. 1.9622 P2An7

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Forest type classification for the Pacific Northwest Region. Rev. Portland,1952. 33 p. 1.9622 P2F764

U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. Annual report, 1952. U. S. Forest Serv. Soeast. Forest Expt. Sta. Paper 22; 42 p. 1953? 1.9622 S4St2

U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. Managing southern Piedmont farm woodlands pays dividends, by T. A. McClay. Asheville,1952. 7 p. 1.9622 R8M31

U. S. FOREST SERV. SOUTHWESTERN REGION. National forest facts, Arizona and New Mexico, 1953-54. Albuquerque,1953? 39 p. 1.9621 R3St2

WAHLENBERG, W. G. Use of a short-handled planting hoe in the Appalachians. U. S. Forest Serv. Soeast. Forest Expt. Sta. Res. Notes 26,2 p. Jan.1953. 1.9622 S4R312

WIKSTROM, J. H. Montana Christmas tree shipments down in 1952. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 117, 4 p. Feb.1953. 1.9622 N3R31

WILSON, T. R. C., and DROW, J. T. Fiber stresses for wood poles. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1619,14 p. Mar.1953. 1.9 F761R

WOOLFOLK, E. J. Some observations on a white-tailed deer winter range in Idaho. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 116,4 p. Feb.1953. 1.9622 N3R31

Species of browse vegetation.

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

PHIPARD, E. F. Dietary adequacy of family food supplies. Washington,U. S. Bur. Human Nutr. & Home Econ.,1952. 5 p. 1.982 E2P55

Talk before the National Food and Nutrition Institute, Washington, D. C., Dec. 8, 1952.

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Fabric damage caused by contact with two dissimilar metals, by V. I. McLendon. Washington,1952. 1 p. 1.982 A2F112

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Farm family clothing purchases and a farm-city comparison. Meeker and Wright Counties, Minn., 1949-50. Minneapolis-St. Paul, Minn., 1948-49. U. S. Bur. Human Nutr. & Home Econ. Studies Family Clothing Supplies Prelim. Rpt. 7,30 p. Apr.1953. 1.982 T2St9

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Materials published or in press, July 1, 1951 to June 30, 1952. Washington,1952. 10 p. 1.982 A2M41

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Nutrition and the U. S. Department of Agriculture. Washington,1952. 15 p. 1.982 A2N957

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Textile books and periodicals; a selected list of popular and technical references for the general reader, student, and homemaker. Rev. Washington,1953. 4 p. 1.982 T2T31

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Breaking the production barriers, by B. T. Shaw and K. M. Gapen. Washington,Mar.7,1953. 4 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Colored farmers of the South make progress, by J. Bradford, J. Gammon, and H. P. Jenkins. Washington,Feb.14,1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Facts about beef. Washington,1953 4 p. 1.914 A2F1124

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. 50th birthday of farm demonstrations, by W. A. Ruhmann, G. G. Gibson, W. Porter, B. M. Harris, and C. M. Ferguson. Washington,Feb.28,1953. 4 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. How expensive is cheap poultry feed, by F. P. Jeffrey and B. Alford. Washington,Mar.7,1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. The latest on weed control, by W. C. Shaw, A. O. Kuhn, and K. M. Gapen. Washington,Jan.31, 1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Making certified forage seed available to all, by C. S. Garrison and D. Looper. Washington,Jan.24, 1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. New coffee from the Old World, by F. Wellman, J. Creech, and J. Towers. Washington,Jan.3, 1953. 2 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Oklahoma soils testing laboratories, by B. Woodward, H. James, and M. Kirkland. Washington, Jan.10,1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Plenty of beef, by H. E. Reed and K. M. Gapen. Washington,Mar.21,1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Publications on the identification of seeds. Washington,1953. 4 p. 1.914 P2P962

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A salute to Seaman Knapp, by R. K. Bliss, T. E. Dewey, and J. Towers. Washington,Feb.28, 1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A smaller cotton crop needed in '53, by J. H. Davis and J. Towers. Washington,Mar.14,1953. 3 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. A visit with two rural educators, by C. M. Ferguson, N. Mindrum, and J. Towers. Washington, Feb.7,1953. 2 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. What we can expect from insects this year, by K. Dorward. Washington,Mar.14,1953. 2 p. 1.914 R2R11

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. What's ahead for farmers in '53, by S. E. Johnson, B. W. Allin, R. Roberts, and K. M. Gapen. Washington,Jan.3,1953. 3 p. 1.914 R2R11

LIBRARY

U. S. DEPT. OF AGRICULTURE. LIBRARY. LOUISIANA BR. Plants poisonous to livestock, selected references, by H. Boyd. New Orleans?1952. 7 p. 1.916 L93P

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

BARGER, W. R., and others. Shipping tests with California mature-green tomatoes, fall, 1951. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 286,21 p. 1953. 1.9 P772Ht

W. A. Radspinner, B. A. Friedman, and L. L. Morris, joint authors.

RADSPINNER, W. A., and HARDING, P. L. The effect of containers on the storage of Florida oranges at terminal markets, 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 287,7 p. Feb.1953. 1.9 P772Ht

REDIT, W. H., and others. Comparison of floor type with overhead electric type refrigerator car fans in the precooling and transit refrigeration of California table grapes, September 1952. U. S. Bur. Plant Indus., Soils & Agr. Engin. H. T. & S. Off. Rpt. 288,5 p. 1.9 P772Ht

A. L. Ryall, D. B. Hannum, and H. W. Hruschka, joint authors.

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. The evaluation of peach leaf curl on foreign and domestic peaches and nectarines grown at the U. S. Plant Introduction Garden, Chico, California, by W. L. Ackerman. Chico? Calif.,1953. 31 p. 1.965 P2Ev1

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Higher analysis mixed fertilizers as a factor in more efficient use of plant nutrients, by J. R. Adams, F. W. Parker, and K. D. Jacob. Beltsville,1952. 13 p. 1.965 A2H53

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Questions and answers on the use of high-nitrogen hay mulch for apple trees. Washington,1953? 6 p. 1.965 F4Q3

U. S. BUR. OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING. Seed treatment materials recommended for controlling bunt of wheat in the Pacific Northwest, by C. S. Holton and R. W. Leukel. Beltsville,Md.,1952. 4 p. 1.965 C2Se3

U. S. BUR. OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING. REGIONAL SALINITY LABORATORY. Prospectus for special group training course in diagnosis and improvement of saline and alkali soil, by H. E. Hayward. Riverside,Calif.,1953. 3 p. 1.965 A2P946

U. S. REGIONAL SOYBEAN LABORATORY. Results of the cooperative uniform soybean tests, 1952. I. North Central States, compiled by J. L. Cartter, R. D. Osler, R. E. Lawrence, and C. J. Younger. U. S. Bur. Plant Indus., Soils & Agr. Engin. RSLM 166,96 p. Mar. 1953. 1.9 C49292Rs

U. S. REGIONAL SOYBEAN LABORATORY. Results of the cooperative uniform soybean tests, 1952. II. Southern States, compiled by E. E. Hartwig and E. Bounds. U. S. Bur. Plant Indus. Soils & Agr. Engin. RSLM 165,100 p. Mar.1953. 1.9 C49292Rs

PRODUCTION AND MARKETING ADMINISTRATION

FEDERAL-STATE MARKET NEWS SERV. Market and farm price averages of hay grain and feed and butter in California (Historical series) Los Angeles, 1952 summary. Sacramento,1953. 8 p. 1.956 A2M347

LENNARTSON, R. W. Emergency food supply. Washington,U. S. Prod. & Mktg. Admin.,1952. 8 p. 1.956 P86L54

Remarks before National Food and Nutrition Institute, Washington, D. C., Dec. 9, 1952.

TERMOHLEN, W. D. Quality versus volume. Washington,U. S. Prod. & Mktg. Admin.,1953. 10 p. 1.944 D2T27
Talk before meeting of the Southeastern Poultry and Egg Association, Atlanta, Jan. 27, 1953, on the broiler industry.

U. S. PRODUCTION AND MARKETING ADMIN. Agricultural conservation program; conservation practice summary, 1947 to 1951. Washington,1953. 106 p. 1.956 F45Ag823

U. S. PRODUCTION AND MARKETING ADMIN. Available publications of the Production and Marketing Administration pertaining to fruits and vegetables, including produce handling. Washington,1952. 7 p. 1.956 A2Av1

U. S. PRODUCTION AND MARKETING ADMIN. Check list of USDA standards for farm products. Washington,1952. 14 p. 1.9 Ec731C

U. S. PRODUCTION AND MARKETING ADMIN. The classification of cotton. Washington,1952? 2 p. 1.956 C82C56

U. S. PRODUCTION AND MARKETING ADMIN. Directory of State departments of agriculture, 1953. Washington,1953. 50 p. 1.956 A2D624

U. S. PRODUCTION AND MARKETING ADMIN. The "18 condensery" milk price series, by J. L. Blum and R. W. March. Washington,1952. 19 p. 1.956 D14E14

U. S. PRODUCTION AND MARKETING ADMIN. An evaluation of various ratios for classification of cotton fibers for maturity, by F. Carpenter. Washington,1953. 11 p. 1.956 C82Ev12

U. S. PRODUCTION AND MARKETING ADMIN. Fact sheet on New Zealand beef exports to the United States. Washington,1953. 2 p. 1.956 L75F112

U. S. PRODUCTION AND MARKETING ADMIN. Flue-cured tobacco market review 1952-53 season (1952 crop). Washington,1953. 46 p. 1.9 Ec714T

U. S. PRODUCTION AND MARKETING ADMIN. Help yourself to honey. New York,1952. 2 p. 1.956 A2H36

U. S. PRODUCTION AND MARKETING ADMIN. In-plant chlorination in poultry dressing plants, by M. A. Howe and H. E. Goresline. Washington?1953. 4 p. 1.956 P86In7

U. S. PRODUCTION AND MARKETING ADMIN. Independent grocers tell about assistance from their wholesalers, by M. Kriesberg, J. C. Bouma, and R. W. Hoecker. Washington,1953. 4 p. 1.956 M343In2

U. S. PRODUCTION AND MARKETING ADMIN. List of plants operating under the poultry and poultry products, inspection and grading programs. Washington, 1953. 9 p. 1.956 P86L692

U. S. PRODUCTION AND MARKETING ADMIN. Plants approved to pack processed fruits and vegetables under continuous inspection. Washington,1953. 21 p. 1.9422 Fr8P69

U. S. PRODUCTION AND MARKETING ADMIN. Potatoes; summary of 1950 census data on acreage, production, and yield, by size of farms. Washington,1952. 57 p. 1.956 F94P844

U. S. PRODUCTION AND MARKETING ADMIN. Prices of cotton cloth and raw cotton and mill margins for certain constructions of unfinished cloth, 1925-52. Rev. Washington,1953. 42 p. 1.9 Ec733Pco

U. S. PRODUCTION AND MARKETING ADMIN. Prices of cottonseed and cottonseed products and the 1952 cottonseed price support program. Washington, 1952. 2 p. 1.956 A2P93

U. S. PRODUCTION AND MARKETING ADMIN. Production job, 1953. Washington,1953. 16 p. 1.956 A2P9436

U. S. PRODUCTION AND MARKETING ADMIN. Quantities of insecticides used on cotton. Washington, 1952. 3 p. 1.956 M41Q2

U. S. PRODUCTION AND MARKETING ADMIN. Raisins; background statement on liberal supply. Washington,1953. 3 p. 1.956 A2R132

U. S. PRODUCTION AND MARKETING ADMIN. Section 32 handbook, by S. N. Gubin. Washington,1953. 35 p. 1.956 A2Se22

U. S. PRODUCTION AND MARKETING ADMIN. Shrinkage of wool as determined by core test and scouring plant and combing yields. Washington,1953. 10 p. 1.956 L75Sh8

U. S. PRODUCTION AND MARKETING ADMIN. Summary of regional cold storage holdings for 1952. Washington,1953. 30 p. 1.956 M34Su62

U. S. PRODUCTION AND MARKETING ADMIN. A test comparing dry ice and mechanical refrigeration in the transportation of frozen citrus concentrate by motor-truck (an interim report), by C. E. Garver, M. V. Gerrity, J. R. Winston, and R. H. Cubbedge. Washington,1953. 23 p. 1.956 M343T282

U. S. PRODUCTION AND MARKETING ADMIN. USDA reports deliveries of sugar, dextrose, and corn sirup for October-December and the calendar year 1952. Washington,1953. 19 p. 1.956 A2Un376

U. S. PRODUCTION AND MARKETING ADMIN. U. S. grades for edible sugarcane molasses and the Federal grading services. Washington,1953. 6 p.-folder. 1.956 Su3Un32

U. S. PRODUCTION AND MARKETING ADMIN. U. S. grades for refiners' sirup and the Federal grading services. Washington,1953. 6 p.-folder. 1.956 Su3Un33

U. S. PRODUCTION AND MARKETING ADMIN. The wholesale produce market at Rochester, N. Y., by S. D. Clark, R. G. Wilcox, and J. S. Cherniak. Washington,1953, 60 p. 1.956 M343W6228
New York Department of Agriculture and Markets, Bureau of Markets cooperating.

U. S. PRODUCTION AND MARKETING ADMIN. COTTON BR. List of available publications [of the] Research and Testing Division. Washington,1952. 5 p. 1.956 C82L69

RURAL ELECTRIFICATION ADMINISTRATION

U. S. RURAL ELECTRIFICATION ADMIN. Directory of training and safety films. Washington,1953? 11 p. 1.933 D622

U. S. RURAL ELECTRIFICATION ADMIN. The REA rural electrification program. Washington? 1953. 12 p. 1.933 R8828

U. S. RURAL ELECTRIFICATION ADMIN. Standards for bolt type steel communication insulator pins. U. S. Rur. Electrif. Admin. REA Specif. PE-6,3 p. Dec.1952. 1.933 Sp38

U. S. RURAL ELECTRIFICATION ADMIN. Suggested electrification adviser training outline; electric pump irrigation, REA. Washington,1953. 54 p. 1.933 Su397

WICKARD, C. R. Progress of the REA programs. Washington,U. S. Rur. Electrif. Admin.,1953. 6 p. 1.91 A2W63
Address, at convention of National Rural Electric Cooperative Association, Jan. 26, 1953.

SECRETARY, OFFICE OF

APLIN, R. D. The dairy situation. Washington, U. S. D. A., Off. Sec.,1953. 12 p. 1.91 A2Ap3
Address at meeting of the Cooperative Pure Milk Association, Inc., Cincinnati, Mar. 5, 1953.

BENSON, E. T. Let's build strong--from the "grass roots." Washington,U. S. D. A., Off. Sec.,1953. 9 p. 1.91 A2B44
Address before the 16th Annual National Farm Institute, Des Moines, Feb. 21, 1953.

BENSON, E. T. Turn dairy problems into opportunities. Washington,U. S. D. A., Off. Sec.,1953. 14 p. 1.91 A2B44
Address before the American Dairy Association in Chicago, Mar. 23, 1953.

COKE, J. E. The future is limited only by ourselves. Washington,U. S. D. A., Off. Sec.,1953. 8 p. 1.91 A2C66
Address at 50th anniversary of farm demonstration work Terrell, Texas, Feb. 26, 1953, on progress in farming and extension work.

MCCORMICK, C. J. Progress in agriculture. Washington,U. S. D. A., Off. Sec.,1952. 11 p. 1.91 A2M132
Talk at 4th National Mechanical Corn Picking Contest, Rushville, Ind., Oct. 18, 1952.

MORSE, T. D. Foreign agricultural relationships. Washington,U. S. D. A., Off. Sec.,1953. 3 p. 1.91 A2M83
Remarks before a dinner meeting sponsored by the National Conference of Non-Governmental Organizations on the Food and Agriculture Organization, Washington, D. C., Feb. 16, 1953.

U. S. DEPT. OF AGRICULTURE. OFF. OF THE SECRETARY. The Drought emergency hay program. Washington?1952. 9 p. 1.91 A2D83

SOIL CONSERVATION SERVICE

GIESEKER, L. F., and others. Soil survey (reconnaissance) central Montana. U. S. Soil Conserv. Serv. Soil Survey 1940(9),133 p. Ref. Feb.1953. 1 So32F
C. B. Manifold, A. T. Strahorn, and O. F. Bartholomew, joint authors.

HASTY, A. H., and others. Soil survey, Limestone County, Alabama. U. S. Soil Conserv. Serv. Soil Survey 1941(5),140 p. Ref. Mar.1953. 1 So32F
K. V. Goodman, R. Wildermuth, H. Sherard, E. D. McCall, H. R. Benford, and H. J. Wesson, joint authors.

ROBINSON, B. D. Soil—a heritage for future generations. Washington,U. S. Soil Conserv. Serv.,1953. 8 p. 1.96 Ad6Ro
Talk before the Macon Federated Garden Clubs, Macon, Georgia, Jan. 30, 1953.

SALTER, R. M. Getting technology into action on the land. Washington,U. S. Soil Conserv. Serv.,1953. 7 p. 1.965 A2Sa3
Remarks at a meeting of Soil Conservation Service employees at State College, Pennsylvania, Mar. 12, 1953, on soil conservation.

U. S. SOIL CONSERVATION SERV. Infiltration estimates from soil-permeability data and the soil-conservation survey in Virginia, by H. N. Holtan and M. H. Kirkpatrick. Washington,1952. 11 p. 1.96 R31Inf

U. S. SOIL CONSERVATION SERV. Irrigation, infiltration, and salinity studies on the Owyhee Project, Oregon, 1952 annual progress report, by F. M. Tileston. n.p.,1953. 73 p. 55.8 Ir79

U. S. SOIL CONSERVATION SERV. Soil conservation districts; status of organization, by States, approximate acreage, and farms in organized districts. Washington,1953. 3 p. 1.96 R27Sc

U. S. SOIL CONSERVATION SERV. Suggested program for a National Cooperative Soil Survey. Washington,1952. 12 p. 1.96 Su7Sug

U. S. SOIL CONSERVATION SERV. Summary group drainage work in Soil Conservation districts with SCS assistance, calendar year 1952, and to date totals. Washington,1953. 11 p. 1.96 Op2Sug

U. S. SOIL CONSERVATION SERV. Summary group irrigation work in Soil Conservation Districts with SCS assistance, calendar year 1952 and to date totals. Washington,1953. 9 p. 1.96 Ad6Sum

U. S. SOIL CONSERVATION SERV. Summary, runoff and waterflow retardation and soil erosion prevention (flood control operations) in authorized watersheds. Cumulative to December 31, 1952. Washington, 1953. 7 p. 1.96 Ad6Sr

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. A guide for the management of soils, farm crops and pastures in Michigan. Ed. 2, rev. Milwaukee,1952. 188 p. 1.9605 G947
Michigan Agricultural Experiment Station Cooperating.

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Sandblow stabilization. U. S. Soil Conserv. Serv. Upper Miss. Region. JS-34,2 p. Jan.1953. 1.9605 J11

SOLICITOR, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF THE SOLICITOR. Compilation of laws, executive orders, and regulations applicable to Commodity Credit Corporation, an agency of the United States. Washington,1952. various pagings. 1.918 C73

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

SWINGLE, H. S., PRATHER, E. E., and LAWRENCE, J. M. Partial poisoning of overcrowded fish populations. Ala. Agr. Expt. Sta. C. 113,15 p. Mar. 1953. 100 AL1S

EDEN, W. G., and MERKL, M. E. Control of corn earworm [Heliothis armigera] in sweet corn. Ala. Agr. Expt. Sta. L. 32,rev.,4 p. Feb.1953. 100 AL1S

EDEN, W. G., and ARANT, F. S. Control of corn rootworm [Diabrotica longicornis] in corn. Ala. Agr. Expt. Sta. L. 34,3 p. Jan.1953. 100 AL1S

BLAKE, G. H., and EDEN, W. G. Control of vetch bruchid [Bruchus brachialis] in Alabama. Ala. Agr. Expt. Sta. L. 36,3 p. Feb.1953. 100 AL1S

TISDALE, H. B., and others. Rates and methods of planting fuzzy, reginned and acid delinted cotton seed. Ala. Agr. Expt. Sta. L. 37,7 p. Mar.1953. 100 AL1S

J. T. Williamson, J. T. Cope, and I. F. Reed, joint authors.

GRIFFIN, J. A., and EDEN, W. G. Control of wireworms attacking sweet potatoes. Ala. Agr. Expt. Sta. L. 38,2 p. Mar.1953. 100 AL1S

RICHARDS, D. B., and COOL, B. M. End joints for southern pine. Ala. Agr. Expt. Sta. L. 39,4 p. Mar. 1953. 100 AL1S

Alaska Agricultural Experiment Station, College

ALASKA. AGRICULTURAL EXPERIMENT STATION. AGRONOMY DEPT. Recommended varieties of field crops for Alaska, 1953-54. Alaska. Agr. Expt. Sta. C. 14,rev.,8 p. Jan.1953. 100 AL122E

HODGSON, H. J., WILDER, W. B., and OSGUTHORPE, J. E. Alaskland red clover. Alaska. Agr. Expt. Sta. C. 20,6 p.-folder. Feb.1953. 100 AL122E

ANDREWS, R. A., JOHNSON, H. A., and MARTIN, P. F. Dairy and potato farms in the Matanuska and Tanana Valleys, 1951. Alaska. Agr. Expt. Sta. Mimeog. C. 3,21 p. Feb.1953. 100 AL122M

ALASKA. AGRICULTURAL EXPERIMENT STATION. Report of progress, January 1 to December 31, 1952. Palmer,1953. 104 p. 100 AL122A

Arizona Agricultural Experiment Station, Tucson

HUMPHREY, R. R., BROWN, A. L., and EVERSON, A. C. Common Arizona range grasses; their description, forage value and management. Ariz. Agr. Expt. Sta. B. 243,102 p. Ref. Nov.1952. 100 Ar4

HILLMAN, J. S., and ROWELL, J. D. A summary of administrative rules and regulations relating to the interstate movement of agricultural products in the eleven Western States. Ariz. Agr. Expt. Sta. Rpt. 110,107 p. Feb.1953. 100 Ar4M

Arkansas Agricultural Experiment Station, Fayetteville

LAFFERTY, D. G. Marketing Arkansas livestock through local slaughter and processing plants. Ark. Agr. Expt. Sta. B. 530,28 p. Mar.1953. 100 Ar42

GIFFORD, W. Records-of-performance tests for beef cattle in breeding herds; milk production, milk production of dams and growth of calves. Ark. Agr. Expt. Sta. B. 531,34 p. Ref. Feb.1953. 100 Ar42

SMITH, P. E. Soybean varietal trials in Arkansas, 1949-52. Ark. Agr. Expt. Sta. Rpt. Ser. 36, 11 p. Feb.1953. 100 Ar42R

ARKANSAS farm research 2(1),8 p. Spring 1953. 100 Ar42F

California Agricultural Experiment Station, Berkeley

BITTERS, W. P., and PARKER, E. R. Quick decline of citrus as influenced by top-root relationships. Calif. Agr. Expt. Sta. B. 733,35 p. Ref. Feb.1953. 100 C12S

SHULTIS, A., and GORDON, G. E. California dairy farm management. Calif. Agr. Expt. Sta. C. 417, 44 p. Nov.1952. 100 C12S

PILLSBURY, A. F. Concrete pipe for irrigation. Calif. Agr. Expt. Sta. C. 418,51 p. Nov.1952. 100 C12S

DODSON, E., and QUINN, F. R. How to make a coat. Calif. Agr. Expt. Sta. C. 419,23 p. Feb.1953. 100 C12S

Supersedes Extension Circular 145.

MRAK, V. G. Home freezing of foods; how to prepare, store, thaw, and cook frozen foods. Calif. Agr. Expt. Sta. C. 420,38 p. Feb.1953. 100 C12S

Supersedes Extension Circular 153.

PETERSON, M. L., JONES, L. G., and OSTERLI, V. P. Birdsfoot trefoil in California. Calif. Agr. Expt. Sta. C. 421,15 p. Feb.1953. 100 C12S

Colorado Agricultural Experiment Station, Fort Collins

FARM and home research 3(5),14 p. Jan./Feb. 1953. 100 C712Co

Connecticut (State) Agricultural Experiment Station, New Haven

FISHER, H. J. Commercial fertilizers; report for 1952. Conn. (State) Agr. Expt. Sta. B. 563,65 p. Dec. 1952. 100 C76St

ANDERSON, P. J. Growing tobacco in Connecticut. Conn. (State) Agr. Expt. Sta. B. 564,110 p. Jan. 1953. 100 C76St

SCHREAD, J. C. Boxwood [Buxus] pests and their control. Conn. (State) Agr. Expt. Sta. B. 565,12 p. Feb.1953. 100 C76St

CONNECTICUT (STATE). AGRICULTURAL EXPERIMENT STATION. Available publications. New Haven,1951. 6 p. 100 C76A

Connecticut (Storrs) Agricultural Experiment Station, Storrs

WILDASIN, H. L., and ANDERSON, E. O. A modified Babcock test for homogenized milk using cationic detergents. Conn. (Storrs) Agr. Expt. Sta. B. 287,20 p. Apr.1952. 100 C76S

MACLEOD, P., and ANDERSON, E. O. A study of the cell counts of milk from healthy cows. Conn. (Storrs) Agr. Expt. Sta. B. 290,23 p. Ref. June 1952. 100 C76S

HALCROW, H. G. The Connecticut tax system. Conn. (Storrs) Agr. Expt. Sta. B. 292,23 p. Sept.1952. 100 C76S

BROWN, B. A., and MUNSELL, R. I. Small grains for fall pasture. Conn. (Storrs) Agr. Expt. Sta. B. 294,18 p. Nov.1952. 100 C76S

Delaware Agricultural Experiment Station, Newark

MCDANIEL, W. E. Economics of broiler production bibliography. Del. Agr. Expt. Sta. Dept. Agr. Econ. A. E. 6,10 p. Nov.1952. 281.9 D37

Florida Agricultural Experiment Station, Gainesville

SAVAGE, Z. Twenty years of citrus costs and returns in Lake County, Florida, 1931-51. Fla. Agr. Expt. Sta. AE Ser. 53-5,14 p. Mar.1953. 281.9 F663

Georgia Coastal Plain Experiment Station, Tifton

CARTER, R. L., and GIDDENS, J. Soils of Georgia, their formation, classification, and management. Ga. Coastal Plain Expt. Sta. B. 52,68 p. Jan.1953. 100 G292

Idaho Agricultural Experiment Station, Moscow

STEVENS, H. Overland oats. Idaho. Agr. Expt. Sta. C. 126,4 p. Mar.1953. 100 Id1

Illinois Agricultural Experiment Station, Urbana

MEEK, W. L., CURTIN, T. W., and WALTERS, C. S. Preservative treatment of electric fence stakes. Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note 32,1 p. Mar.20,1953. 99.9 IL62

MEEK, W. L., CURTIN, T. W., and WALTERS, C. S. Report on Project 301-A. Preservative treatment of fence posts by cold-soaking in pentachlorophenol—fuel oil solutions. Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note 33,4 p. Apr.1,1953. 99.9 IL62

MEEK, W. L., CURTIN, T. W., and WALTERS, C. S. Report on Project 301-C. Preservative treatment of fence posts with toxic oil solutions by cold-soaking, dipping, and brushing. Ill. Agr. Expt. Sta. Dept. Forestry. Forestry Note 34,4 p. Apr.10,1953. 99.9 IL62

Iowa Agricultural Experiment Station, Ames

HEADY, E. O., and OLSON, R. O. Substitution relationships, resource requirements and income variability in the utilization of forage crops. Iowa. Agr. Expt. Sta. Res. B. 390:864-938. Sept.1952. 100 Io9

Kansas Agricultural Experiment Station, Manhattan

SCHRUBEN, L. W. Grain market reports. Kans. Agr. Expt. Sta. B. 353,54 p. Dec.1952. 100 K13S

WILSON, C. P., and RILEY, H. M. Trends in livestock and meat industry in Kansas. Kans. Agr. Expt. Sta. B. 355,34 p. Nov.1952. 100 K13S

KANSAS. AGRICULTURAL EXPERIMENT STATION. FORT HAYS BR. Fall field day report of the Fort Hays Branch Station for 1951-52. Kans. Agr. Expt. Sta. C. 289,28 p. Sept.5,1952. 100 K13S

KANSAS. AGRICULTURAL EXPERIMENT STATION. FORT HAYS BR. Beef cattle breeding and feeding investigations, 1951-52. Kans. Agr. Expt. Sta. C. 292,21 p. Nov.1952. 100 K13S

WEBER, A. D. Publication list; publications available from the Agricultural Experiment Station. Kans. Agr. Expt. Sta. C. 295,4 p. Feb.1953. 100 K13S

Maine Agricultural Experiment Station, Orono

COULTER, M. W. Big game and fur-bearing animals of Maine. Maine. Agr. Col. Ext. B. 425,32 p. Ref. Dec.1952. 275.29 M281B

Maryland Agricultural Experiment Station, College Park

MARYLAND. AGRICULTURAL EXPERIMENT STATION. Research the key to agricultural progress; 65th annual report, 1951-1952. Md. Agr. Expt. Sta. B. A-74,88 p. Nov.1952. 100 M36S

Massachusetts Agricultural Experiment Station, Amherst

PFLUG, I. J. Meteorological observations for February 1953. Mass. Agr. Expt. Sta. Met. Ser. B. 770,4 p. Feb.1953. 100 M38H

RESEARCH in review 2(1),15 p. Jan.1953. 100 M38R

Michigan Agricultural Experiment Station, East Lansing

MICHIGAN. STATE BOARD OF AGRICULTURE. Twentieth annual report, 1952 and sixty-fifth annual report, Agricultural Experiment Station, 1951/52. Lansing,1952. 301 p. 100 M58S

Mississippi Agricultural Experiment Station, State College

PARVIN, D. W. An economic appraisal of sheep production in the northeast prairie of Mississippi. Miss. Agr. Expt. Sta. B. 495,20 p. Dec.1952. 100 M69

POWELL, J. C., and VANDERFORD, H. B. Sunflower County soils. Miss. Agr. Expt. Sta. B. 496,38 p. Feb.1953. 100 M69

TRAMEL, T. E., and PARVIN, D. W. An economic appraisal of beef cattle production in northeast and east central Mississippi. Miss. Agr. Expt. Sta. B. 497, 51 p. Feb.1953. 100 M69

MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. Corn hybrids and varieties; 1952 tests in Mississippi. Miss. Agr. Expt. Sta. B. 498,16 p. Jan.1953. 100 M69

MEYER, J. R. Species, the raw material for future cotton. Miss. Agr. Expt. Sta. C. 172,7 p. Apr. 1952. 100 M69

MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. Chemical weed control guides. Miss. Agr. Expt. Sta. C. 177,22 p. Feb.1953. 100 M69

ANDERSON, W. S., and CAMPBELL, J. A. Sweetpotato variety trials and seed production practices. Miss. Agr. Expt. Sta. C. 178,8 p. Feb.1953. 100 M69

PARVIN, D. W., and TRAMEL, T. E. An economic study of dairy production in Mississippi. Miss. Agr. Expt. Sta. M. R. 8,30 p. June 1952. 100 M69Mr

DICKINS, D., and DUDLEY, S. S. The use of cotton in housefurnishings. Miss. Agr. Expt. Sta. Tech. B. 34,52 p. Oct.1952. 100 M69

Missouri Agricultural Experiment Station, Columbia

SQUIERS, C. D., DICKERSON, G. E., and MAYER, D. T. Influence of inbreeding, age and growth rate of sows on sexual maturity, rate of ovulation, fertilization and embryonic survival. Mo. Agr. Expt. Sta. B. 494,40 p. Ref. Apr.1953. 100 M693

LASLEY, J. F. Pork production in Missouri. Mo. Agr. Expt. Sta. B. 587,55 p. Nov.1952. 100 M693

LONGWELL, J. H., and others. Fertilizer inspection and analysis: spring, 1952, including fertilizer tonnage data. Mo. Agr. Expt. Sta. B. 588,65 p. Oct.1952. 100 M693

R. C. Prewitt, C. W. Gehrke, and E. W. Cowan, joint authors.

MARTIN, T. T. The place of 4-H Club work in urban areas. Mo. Agr. Expt. Sta. B. 591,29 p. Ref. Jan. 1953. 100 M693

ZUBER, M. S. 1952 yield trials with corn hybrids in Missouri. Mo. Agr. Expt. Sta. B. 592,24 p. Jan.1953. 100 M693

LANE, J. H. What has happened to the country doctor? Mo. Agr. Expt. Sta. B. 594,14 p. Feb.1953. 100 M693

Montana Agricultural Experiment Station, Bozeman

WELCH, H., and MORRIS, H. E. Range plants poisonous to livestock in Montana. Mont. Agr. Expt. Sta. C. 197,35 p. Jan.1952. 100 M76

Nebraska Agricultural Experiment Station, Lincoln

HANSON, L. E., and others. Distillers solubles in market pig rations. Nebr. Agr. Expt. Sta. B. 415, 19 p. Ref. Nov.1952. 100 N27

M. L. Baker, G. N. Baker, and M. G. A. Rumery, joint authors.

KIESSELBACH, T. A., and LYNESS, W. E. Crop rotation experiments. Nebr. Agr. Expt. Sta. B. 416, 33 p. Dec.1952. 100 N27

New Jersey Agricultural Experiment Station, New Brunswick

DOEHLERT, C. A. Facts about fertilizing blueberries. N. J. Agr. Expt. Sta. C. 550,7 p. Feb.1953. 100 N46S

DOEHLERT, C. A. Propagating blueberries from hardwood cuttings. N. J. Agr. Expt. Sta. C. 551,8 p. Mar.1953. 100 N46S

New Mexico Agricultural Experiment Station, State College

NEALE, P. E., and MCFADDEN, W. D. A new method for determining crimp quality of fine wool for more accurate grading of fine wool clips. N. Mex. Agr. Expt. Sta. Press B. 1080,6 p. Mar.1953. 100 N465

BLANK, L. M., and others. Thick stands for control of verticillium wilt of cotton. N. Mex. Agr. Expt. Sta. Press B. 1081,4 p. Mar.1953. 100 N465

A. R. Leding, R. M. Nakayama, P. J. Leyendecker, and J. R. Cotton, joint authors.

New York (Cornell) Agricultural Experiment Station, Ithaca

ASHE, A. J. An economic analysis of large dairy farms, New York, 1949-50. N. Y. (Cornell) Agr. Expt. Sta. B. 887,32 p. Jan.1953. 100 N48C

KANTNER, A. H. Poultry prices on the New York City market, 1875-1950. N. Y. (Cornell) Agr. Expt. Sta. B. 888,39 p. Feb.1953. 100 N48C

U. S. Production and Marketing Administration cooperating.

ANDERSON, W. A. Some factors associated with family informal participation. N. Y. (Cornell) Agr. Expt. Sta. Dept. Rur. Sociol. Mimeog. B. 36,32 p. Mar. 1953. 100 N48Cm

ANDERSON, W. A. Rural social participation and the family life cycle. I. Formal participation. N. Y. (Cornell) Agr. Expt. Sta. Mem. 314,52 p. Jan.1953. 100 N48C

DALLYN, S. Herbicidal action of oils. N. Y. (Cornell) Agr. Expt. Sta. Mem. 316,43 p. Ref. Feb.1953. 100 N48C

KELLEY, W. R. Study of seed identification and seed germination of Potentilla spp. and Veronica spp. N. Y. (Cornell) Agr. Expt. Sta. Mem. 317,31 p. Ref. Jan. 1953. 100 N48C

ANDERSON, W. A. Rural social participation and the family life cycle. II. Informal participation. N. Y. (Cornell) Agr. Expt. Sta. Mem. 318,35 p. Jan.1953. 100 N48C

ANDERSON, W. A. Social change and an urban fringe area; Ithaca, New York, a case illustration. N. Y. (Cornell) Agr. Expt. Sta. Rur. Sociol. P. 35,28 p. Feb. 1953. 100 N48Cm

New York (State) Agricultural Experiment Station, Geneva

SAYRE, C. B., TAPLEY, W. T., and BARTON, D. W. Variety comparison of peas used for canning and freezing, 1952. N. Y. (State) Agr. Expt. Sta. B. 758,31 p. Feb.1953. 100 N48

North Carolina Agricultural Experiment Station, State College Station, Raleigh

MCKENZIE, M. G., PEEDIN, C. D., and MOORE, R. P. Measured crop performance—corn hybrids, cotton, wheat, oats, barley. N. C. Agr. Expt. Sta. B. 381,40 p. Feb.1953. 100 N81

SMITH, C. F., and CLAYTON, C. N. Peach spray information. N. C. Agr. Expt. Sta. Spec. C. 17,11 p. Jan.1953. 100 N81Sp

North Dakota Agricultural Experiment Station, State College Station, Fargo

BIMONTHLY bulletin 15:137-183. Mar./Apr. 1953. 100 N813B

Ohio Agricultural Experiment Station, Wooster

BUSHNELL, J. Sensitivity of potatoes to soil porosity. Ohio. Agr. Expt. Sta. Res. B. 726,42 p. Ref. Mar.1953. 100 Oh3S

OHIO farm and home research 38:17-40. Mar./Apr.1953. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

HOWELL, D. E. Fly control in Oklahoma. Okla. Agr. Expt. Sta. B. B-385,18 p. Sept.1952. 100 Ok4

HINRICHS, H. A., and BIEBERDORF, G. A. The pecan nut casebearer [Acrobasis caryae] and its control. Okla. Agr. Expt. Sta. B. B-392,10 p. Mar.1953. 100 Ok4

BIEBERDORF, G. A. The mole and its control. Okla. Agr. Expt. Sta. C. C-136,8 p. Feb.1953. 100 Ok4

MAHONEY, G. W., NELSON, G. L., and FRYREAR, J. I. Building a home that fits your needs. Okla. Agr. Expt. Sta. Farm Home Plan 17,16 p.-folder. Mar.1953. 296.9 Ok4

OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. DEPT. OF ANIMAL HUSBANDRY. Feeding and breeding tests with sheep, swine, and beef cattle; progress report: 1951-52. Report at 26th Annual Livestock Feeders' Day, April 19, 1952. Okla. Agr. Expt. Sta. Misc. P. MP-27,105 p. June 1952. 100 Ok4

CURRENT farm economics 25:37-52. June 1952. 100 Ok4

CURRENT farm economics 26(1),15 p. Feb. 1953. 100 Ok4

FARM research flashes. Mar.1953. 4 p. 100 Ok4F

WHAT'S new in Oklahoma agriculture 25,19 p. Jan.1953. 100 Ok4W

Oregon Agricultural Experiment Station, Corvallis

HILL, W. W., and POWERS, W. L. Land capability for soil and water conservation in Oregon. Oreg. Agr. Expt. Sta. B. 530,30 p. Jan.1953. 100 Or3

HURST, W. M., and others. The fiber flax industry in Oregon; its history, present status, and future possibilities. Oreg. Agr. Expt. Sta. B. 531,20 p. Feb. 1953. 100 Or3

E. G. Nelson, J. E. Harmond, L. M. Klein, and D. W. Fishler, joint authors.

BECKER, M. H. Sprinkler irrigation; costs and practices (Willamette Valley, Oregon, 1950). Oreg. Agr. Expt. Sta. B. 532,24 p. Mar.1953. 100 Or3

OREGON. AGRICULTURAL EXPERIMENT STATION. 1953 field crop recommendations for Oregon. Oreg. Agr. Expt. Sta. B. 533,24 p. Mar.1953. 100 Or3

NELSON, G. T. Economic aspects of farm tank handling of milk in Oregon. Oreg. Agr. Expt. Sta. C. Inform. 520,11 p. Feb.1953. 100 Or3C

SULLIVAN, J. F., and SHAW, J. N. Incidence and effect of lungworm in Oregon swine. Oreg. Agr. Expt. Sta. Tech. B. 28,11 p. Mar.1953. 100 Or3S

Pennsylvania Agricultural Experiment Station, State College

PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Science for the farmer; supplement 2 to the 65th annual report. Pa. Agr. Expt. Sta. B. 553(sup.2), 11 p. Mar.1953. 100 P381

HOSTETLER, J. A., and MATHER, W. G. Participation in the rural church. Pa. Agr. Expt. Sta. Dept. Agr. Econ. & Rur. Sociol. J. Ser. Paper 1762,64 p. Ref. Oct.1952. 100 P381J

BRAMBLE, W. C., and BYRNES, W. R. Effect of time of shearing upon adventitious bud formation and shoot growth of red pine [Pinus resinosa] grown for Christmas trees. Pa. Agr. Expt. Sta. Prog. Rpt. 91,6 p. Jan.1953. 100 P381P

ODLAND, M. L., and NOLL, C. J. Vegetable variety trials, 1952. Pa. Agr. Expt. Sta. Prog. Rpt. 92, 11 p. Feb.1953. 100 P381P

Puerto Rico Agricultural Experiment Station, Rio Piedras

SOLTERO DE DIAZ, H. Nutritional aspects and other uses of food yeasts; annotated bibliography 1917-1949. P. R. (Rio Piedras) Agr. Expt. Sta. B. 92, 241 p. Aug.1951,pub.June 1952. 100 P83

RIVERA ANAYA, J. D., and MARTINEZ DE JESUS, J. The extent of liver-fluke infestation of cattle in Puerto Rico (a slaughterhouse survey). P. R. (Rio Piedras). Agr. Expt. Sta. B. 107,16 p. Oct.1952. 100 P83

ROMAN, F., and PIÑERO, M. Estudio economico sobre el arrastre de la caña de azucar en Camiones Puerto Rico, 1948-1949. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 18,9 p. Apr.1952. 100 P83Es

HADDOCK, D., and HERNANDEZ, L. Preferencias del consumidor por la yautia (Xanthosoma spp.[sagittaefolium]) en Puerto Rico, 1949-50, datos y cifras importantes. P. R. (Rio Piedras) Agr. Expt. Sta. E. & S. R. 19,7 p. Jan.1952. 100 P83Es

VAZQUEZ CALCERRADA, P. B. A research project on rural communities in Puerto Rico. P. R. (Rio Piedras) Agr. Expt. Sta. E. & R. S. 20,16 p. Sept. 1952. 100 P83Es

Papers at the annual meeting of the Rural Sociological Society, Pennsylvania State College, Aug. 30 to Sept. 1.

Also paper by L. A. Suárez, Historical development of and research on cooperative in Puerto Rico, p. 17-36.

Rhode Island State College, Extension Service, Kingston

RHODE ISLAND. AGRICULTURAL EXPERIMENT STATION. Cooperative nutritional status studies in the Northeast Region. IV. Dietary findings. R. I. Agr. Expt. Sta. B. 319,24 p. Ref. June 1952. 100 R34S

GILBERT, R. W., and OLNEY, C. E. Inspection of feeds. R. I. Agr. Expt. Sta. Feed C.,79 p. Aug.1952. 100 R34S

RESEARCH 3:13-23. Fall 1952. 100 R34R

Tennessee Agricultural Experiment Station, Knoxville

BOWMAN, D. R., and NICHOLS, B. C. Burley tobacco leaf composition according to position on the stalk. Tenn. Agr. Expt. Sta. B. 229,15 p. Ref. Feb.1953. 100 T25S

HEGGESTAD, H. E., and BOWMAN, D. R. Burley tobacco quality, yield and chemical composition as affected by time of harvest. Tenn. Agr. Expt. Sta. B. 230, 27 p. Ref. Mar.1953. 100 T25S

NICHOLS, B. C., and MCMURTREY, J. E. Fertilization experiments with burley tobacco plant beds. Tenn. Agr. Expt. Sta. B. 231,21 p. Mar.1953. 100 T25S

LONG, O. H. Nitrogen and spacing experiments with corn. Tenn. Agr. Expt. Sta. B. 232,34 p. Mar.1953. 100 T25S

Texas Agricultural Experiment Station, College Station

WARD, J. M., HESSLER, L. E., and PAULSON, W. E. Fiber characteristics and spinning performance of mechanically-stripped cotton on the High Plains. Tex. Agr. Expt. Sta. B. 757,20 p. Feb.1953. 100 T31S

TEXAS. AGRICULTURAL EXPERIMENT STATION. Agricultural research publications available; abstracts of technical articles published during 1952. Tex. Agr. Expt. Sta. C. 133,35 p. Feb.1953. 100 T31S

SPEARS, B. R., ROGERS, J. S., and MCAFEE, T. E. Corn silage studies at College Station, Temple and Tyler, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1545,5 p. Feb.8,1953. 100 T31P

DARROW, R. A., REYES, L., and HALL, R. A. Chemical control of huisache [Acacia farnesiana]. Tex. Agr. Expt. Sta. Prog. Rpt. 1560,3 p. Mar.9,1953. 100 T31P

DARROW, R. A., REYES, L., and HALL, R. A. Response of Lindheimer pricklypear [Opuntia lindheimeri] to 2,4,5-T and other herbicides. Tex. Agr. Expt. Sta. Prog. Rpt. 1561,4 p. Mar.9,1953. 100 T31P

HOVELAND, C. S. Perennial warm-season grasses in the Winter Garden. Tex. Agr. Expt. Sta. Prog. Rpt. 1562,2 p. Mar.10,1953. 100 T31P

Winter Garden Experiment Station.

MAGEE, A. C., and HILL, H. O. Crop-share returns from crops grown by cooperators at Bluebonnet Farm. Tex. Agr. Expt. Sta. Prog. Rpt. 1563,3 p. Mar. 10,1953. 100 T31P

RAY, L. L., and JONES, D. L. Cotton variety tests at Lubbock, 1947-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1564,4 p. Mar.14,1953. 100 T31P

ADKINS, W. G., and MOTHERAL, J. R. Retirement plans of farm operators, Wharton County, Texas, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1565,4 p. Mar.18,1953. 100 T31P

ROBERTS, J. E., and KILLOUGH, D. T. Cotton variety tests, Main Station Farm, 1948-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1566,5 p. Mar.19,1953. 100 T31P

MOUNTNEY, G. J., PARNELL, E. D., and HALPIN, R. B. Consumer response to sale of turkey broiler-fryers in Austin, Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1567,3 p. Mar.19,1953. 100 T31P

Utah Agricultural Experiment Station, Logan

SIGLER, W. F. The rainbow trout in relation to the other fish in Fish Lake. Utah. Agr. Expt. Sta. B. 358,26 p. Ref. Feb.1953. 100 Ut1

MORRISON, E. M., and GUNN, T. I. Broiler production in Utah; an economic analysis. Utah. Agr. Expt. Sta. B. 359,32 p. Feb.1953. 100 Ut1

PETERSON, H. B., and BALLARD, J. C. Effect of fertilizer and moisture on the growth and yield of sweet corn. Utah. Agr. Expt. Sta. B. 360,16 p. Ref. Feb.1953. 100 Ut1

PETERSON, H. B., NIELSON, R. F., and THORNE, J. P. Selecting and using fertilizers. Utah. Agr. Expt. Sta. C. 132,24 p. Feb.1953. 100 Ut1

A revision of Utah Agricultural Experiment Station Bulletin 126.

BARRETT, W. C., and MILLIGAN, C. H. Consumptive water use and requirements in the Colorado River area of Utah. Utah. Agr. Expt. Sta. Spec. Rpt. 8, 28 p. Ref. Mar.1953. 100 Ut1Sp

U. S. Soil Conservation Service, Division of Irrigation Engineering and Water Conservation cooperating.

FARM & home science 14(1),24 p. Mar.1953. 100 Ut1F

Vermont Agricultural Experiment Station, Burlington

HENDERSON, D. C., WHELDEN, H. C., and WOOD, G. M. Range and confinement rearing of poultry. Vt. Agr. Expt. Sta. B. 568,8 p. Jan.1953. 100 T59

WEBSTER, F. C. Marketing of Vermont cattle. Vt. Agr. Expt. Sta. B. 569,28 p. Mar.1953. 100 V59

Virginia Agricultural Experiment Station, Blacksburg

VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Field study report of combination ranges in Virginia, 1951, by C. G. Chambliss. Blacksburg,1952. 36 p. 100 V81Fi

Washington Agricultural Experiment Station, Pullman

NELSON, W. L., ELLIOTT, F. C., and BARMORE, M. A. Henry, a new variety of spring wheat for reseeding in hard red winter for the Big Bend. Wash. Agr. Expt. Sta. C. 211,2 p. Feb.1953. 100 W27S

SCHWARTZE, C. D., and MYHRE, A. S. The Goldenwest raspberry, a new novelty for the garden. Wash. Agr. Expt. Sta. C. 212,3 p. Feb.1953. 100 W27S

HURD, E. B., and BROUGH, O. L. Gross farm income in the wheat-pea area of Washington and Idaho, 1939 to 1950. Wash. Agr. Expt. Sta. C. 213,63 p. Mar. 1953. 100 W27S

VIETS, F. G., and others. Soil application of zinc for control of zinc deficiency in beans, with notes on other field crops. Wash. Agr. Expt. Sta. C. 215,10 p. Mar.1953. 100 W27S

L. C. Boawn, C. E. Nelson, and C. L. Crawford, joint authors.

WASHINGTON AGRICULTURAL EXPERIMENT STATION. Results of 1952-53 production testing of beef bull calves, Whitman County, Washington. Wash. Agr. Expt. Sta. C. 216,12 p. Mar.1953. 100 W27S

SHAW, C. G., and COOKE, W. B. Reliquiae suksdorfiana fungi collected by Wilhelm N. Suksdorf, 1882-1927. Wash. Agr. Expt. Sta. C. 217,29 p. Apr.1953. 100 W27S

U. S. Bur. of Plant Industry, Soils, and Agricultural Engineering, cooperating.

KLOSTERMEYER, E. C. Entomological aspects of the potato leaf roll problem in central Washington. Wash. Agr. Expt. Sta. Tech. B. 9,42 p. Ref. Mar. 1953. 100 W27T

BAUM, E. L., and PAULS, D. E. A comparative analysis of costs of farm collection of milk by can and tank in western Washington, 1952. Wash. Agr. Expt. Sta. Tech. B. 10,37 p. May 1953. 100 W27T

West Virginia Agricultural Experiment Station, Morgantown

TRUE, R. P. Studies on sprout reproduction of yellowpoplar as related to decay. W. Va. Agr. Expt. Sta. Cur. Rpt. 3,4 p. Jan.1953. 100 W52Cu

Wisconsin Agricultural Experiment Station, Madison

POWERS, R., and MUCKENHIRN, R. J. What's new in farm science; [sixty-eight] annual report, 1950/51. II. Wis. Agr. Expt. Sta. B. 498,73 p. July 1952. 100 W75

PRICE, W. V., and others. Can we get quality milk from grass silage? Wis. Agr. Expt. Sta. B. 501,6 p. Ref. Feb.1953. 100 W75

Wyoming Agricultural Experiment Station, Laramie

STARR, G. H., WALTERS, H. J., and BRIDGMON, G. H. White mold (Sclerotinia) of beans. Wyo. Agr. Expt. Sta. B. 322,11 p. Feb.1953. 100 W99

Southern Cooperative Series (Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, and the U. S. Bureau of Agricultural Economics

SORENSON, J. W., and others. Recent research on drying and storage of rough rice. South. Coop. Ser. B. 29,29 p. Ref. Jan.1953. 100 G29So

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

ARIZONA University, College of Agriculture, Agricultural Extension Service, Tucson

NOYES, H. Storage for your home. Ariz. Agr. Col. Ext. C. 202,14 p. Sept.1952. 275.29 Ar42

MCKEE, K. L. Requirements for Arizona 4-H Club work. Ariz. Agr. Col. Ext. C. 204,18 p. Oct. 1952. 275.29 Ar42

MCKEE, K. L. Your key to 4-H parent support. Ariz. Agr. Col. Ext. Folder 63,rev.,4 p. Oct.1952. 275.29 Ar42Ext

ARKANSAS University, College of Agriculture, Agricultural Extension Service, Little Rock

POLLARD, W. S. Feeding hens for egg production. Ark. Agr. Col. Ext. C. 277,rev.,8 p. Feb.1952. 275.29 Ar4

RANDOLPH, B. Lunch or supper time. Ark. Agr. Col. Ext. C. 368,rev.,19 p. May 1952. 275.29 Ar4

FORD, H. G. 4-H Club swine demonstrations. Ark. Agr. Col. Ext. C. 387,rev.,15 p. Apr.1952. 275.29 Ar4

ARKANSAS UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Arkansas farmers stand ready. Ark. Agr. Col. Ext. C. 470,14 p. n.d. 275.29 Ar4

ALLEN, E. J. Growing apples in Arkansas. Ark. Agr. Col. Ext. L. 162,8 p.-folder. Jan.1952. 275.29 Ar4Le

BELL, M. Sand your floors. Ark. Agr. Col. Ext. L. 171,8 p.-folder. Nov.1952. 275.29 Ar4Le

CLIFT, B. P. Let's get together. Ark. Agr. Col. Ext. L. 174,4 p.-folder. Nov.1952. 275.29 Ar4Le

ROBINSON, H. Who's ruining your health? Ark. Agr. Col. Ext. L. 176,4 p.-folder. Aug.1952. 275.29 Ar4Le

ATKINSON, T. E. Where are your valuable papers? Ark. Agr. Col. Ext. L. 178,6 p.-folder. Aug. 1952. 275.29 Ar4Le

SMITH, H. E., and FULTON, J. P. Garden diseases and their control. Ark. Agr. Col. Ext. L. 181, 6 p.-folder. Jan.1953. 275.29 Ar4Le

TENBORG, C. Improving Arkansas rural communities through home management. Ark. Agr. Col. Ext. L. 185,6 p.-folder. Mar.1953. 275.29 Ar4Le

WRIGHT, G. P. Improving Arkansas rural communities through group action. Ark. Agr. Col. Ext. L. 186,4 p.-folder. Mar.1953. 275.29 Ar4Le

BURTON, L. H. Planting materials for Arkansas landscape designs. Ark. Agr. Col. Ext. Misc. P. 37,35 p. n.d. 275.29 Ar4Mi

POLLARD, W. S. Commercial broiler unit brooder house. Ark. Agr. Col. Ext. Plan Ser. 25,16 p.-folder. Jan.1952. 275.29 Ar4Fo

CALIFORNIA University, College of Agriculture, Agricultural Extension Service, Berkeley

HARTMANN, H. T. Olive production in California. Calif. Agr. Col. Ext. Manual 7,59 p. Ref. 1953. 276 C121M

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1953 Napa County poultry management study, by A. Shultis and K. Bissell. Berkeley?1953. 6 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Orange County avocado production cost analysis 1952, by W. Sullivan. Berkeley?1953. 10 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Seventh annual Solano poultry management study, 1952, by A. K. Swenerton and D. Reed. Berkeley?1953? 4 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Twenty-second annual San Bernardino County poultry management study, 1952, by J. Hertel and A. D. Reed. Berkeley?1953? 6 p. 275.29 C12En

COLORADO State College of Agriculture, Extension Service, Fort Collins

MICKLE, G. T. Insect pests of ornamental trees and shrubs. Colo. Agr. Col. Ext. B. 425-A,35 p. Mar.1953. 275.29 C71E

FLORIDA University, College of Agriculture, Agricultural Extension Service, Gainesville

HAYNIE, J. D., and MURPHEY, M. Beginning beekeeping. Fla. Agr. Col. Ext. B. 151,31 p. June 1952. 275.29 F66

PLATT, W. J. Asparagus fern [Asparagus plumosus nanus] culture. Fla. Agr. Col. Ext. B. 153,11 p. Dec.1952. 275.29 F66

MEHRHOF, N. R., and MOORE, J. S. Brooding chicks, producing broilers, raising pullets. Fla. Agr. Col. Ext. B. 154,39 p. Dec.1952. 275.29 F66
A revision of Bulletin 128.

CROMARTIE, A. L. Canning Florida fruits and vegetables. Fla. Agr. Col. Ext. B. 155,23 p. Jan.1953. 275.29 F66

MOORE, J. S., and MEHRHOF, N. R. Portable all-purpose poultry house. Fla. Agr. Col. Ext. C. 111,7 p. Dec.1952. 275.29 F66C
Revision of Circulars 50 and 83.

PETTIS, A. M. Electricity made easy. Fla. Agr. Col. Ext. C. 112,16 p. Jan.1953. 275.29 F66C

PETTIS, A. M., and DRIGGERS, J. C. An electric chick brooder. Fla. Agr. Col. Ext. C. 113,4 p. Feb.1953. 275.29 F66C

GEORGIA University, College of Agriculture, Agricultural Extension Service, Athens

GEORGIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Annual report, 1952. Ga. Agr. Col. Ext. B. 576,26 p. Jan.1953. 275.29 G29

BELL, C. E. Controlling livestock pests. Ga. Agr. Col. Ext. C. 351,rev.,8 p.-folder. Nov.1952. 275.29 G29C

IDAHO University, College of Agriculture, Extension Service, Moscow

ROSS, R. H., BOYD, J. C., and ANDERSON, G. C. Essentials of producing good milk. Idaho. Agr. Col. Ext. B. 193,11 p. Mar.1953. 275.29 Id13

SMITH, V. T. Soils do respond; test—fertilize—farm—harvest more. Idaho. Agr. Col. Ext. Ext. C. 128, 3 p. Feb.1953. 275.29 Id13C

ILLINOIS University, College of Agriculture, Extension Service, Urbana

HENEBERRY, W. H., SAUER, E. L., and CASE, H. C. M. Summary of records from 124 farms in the slowly permeable soils area of northeastern Illinois, 1951. Ill. Agr. Col. Ext. AE 2900,14 p. Aug.1952. 275.29 IL62P

ILLINOIS. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Winter feeding and management of the dairy herd. Ill. Agr. Col. Ext. D638,4 p. Nov.8,1952. 275.29 IL62Pda

INDIANA - Purdue University, Agricultural Extension Service, Lafayette

OBERHELMAN, L. Freezing farm foods. Purdue U. Agr. Ext. B. 308,23 p. 1952. 275.29 In2E

HULL, R. B. Ornamental evergreens; their planting and care. Purdue U. Agr. Ext. B. 320,19 p. n.d. 275.29 In2E

ENFIELD, G., and AMICK, W. R. Let's grow corn. Purdue U. Agr. Ext. B. 323,19 p. n.d. 275.29 In2E

HULL, R. B. Ornamental shrubs; their planting and care. Purdue U. Agr. Ext. B. 324,19 p. n.d. 275.29 In2E

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H Club food preservation manual. Purdue U. Agr. Ext. B. 327,20 p. Jan.1952. 275.29 In2E

PENCE, M. O., MANGUS, J. E., and SEXSON, V. D. Test demonstration farms. Purdue U. Agr. Ext. B. 336,20 p. n.d. 275.29 In2E

INDIANA. PURDUE UNIVERSITY. AGRICULTURAL EXTENSION SERV. A report on your extension program; thirty-ninth annual report of the director. Lafayette,1952. 32 p. 275.29 In2

IOWA State College of Agriculture, Agricultural Extension Service, Ames

IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. My wish book of home furnishings. Iowa. State Col. Agr. Ext. HE 21,34 p. Jan.1952. 275.29 Io9He

IOWA. STATE COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. The European corn borer [Pyrausta nubilalis] and its control in the North Central States. Iowa. State Col. Agr. Ext. Pam. 176,8 p. Feb.1952. 275.29 M66P

KANSAS State College of Agriculture and Applied Science, Extension Service, Manhattan

TAYLOR, L. F., and WENDLING, L. T. Creep feeding, a profitable method of beef production. Kans. State Col. Agr. Ext. C. 227,rev.,4 p. Mar.1953. 275.29 K13Ex

ALLEN, G. E. Home freezing. Kans. State Col. Agr. Ext. C. 230,26 p. June 1952. 275.29 K13Ex

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Marketing information for Kansas farmers; land values, credit, taxation, and tenure, by M. L. Otto, and W. H. Pine. Manhattan,1952. 4 p. 275.2 K133MaL

KENTUCKY University, College of Agriculture and Home Economics, Extension Service, Lexington

RODRIQUEZ, J. G., and PRICE, W. A. How to control the European corn borer [Pyrausta nubilalis]. Ky. Agr. Col. Ext. C. 495,8 p. n.d. 275.29 K415

IRVINE, J. W., and VALLEAU, W. D. Prevent black shank losses in 1953. Ky. Agr. Col. Ext. C. 499, 12 p. Feb.1953. 275.29 K415

MAINE University, College of Agriculture, Agricultural Extension Service, Orono

HICKEY, J. C. The Maine home garden. Maine. Agr. Col. Ext. B. 419,32 p. Mar.1952. 275.29 M281B

BRIWA, K. E. Preparing foods for the home freezer. Maine. Agr. Col. Ext. B. 420,12 p. Apr.1952. 275.29 M281B

REED, F. D. Turkey raising in Maine. Maine. Agr. Col. Ext. B. 421,16 p. Apr.1952. 275.29 M281B

ECKSTROM, C. R. Marketing Maine potatoes. Maine. Agr. Col. Ext. B. 422,16 p. Ref. May 1952. 275.29 M281B

PARSONS, P. S., and others. The New England basic class 1 milk price. Maine. Agr. Col. Ext. B. 424, 15 p. Sept.1952. 275.29 M281B

W. F. Henry, R. E. Underwood, T. M. Adams, and E. W. Bell, joint authors.

MOSER, R. E., and others. Farmer's 1952 income tax. Maine. Agr. Col. Ext. B. 426,28 p. Nov.1952. 275.29 M281B

P. L. Putnam, V. B. Hart, and E. P. Callahan, joint authors.

REED, F. D. Profits from the laying flock. Maine. Agr. Col. Ext. B. 427,24 p. Jan.1953. 275.29 M281B

DUNNING, C. S., and others. The business side of dairying. Maine. Agr. Col. Ext. B. 428,20 p. Jan.1953. 275.29 M281B

V. C. Beverly, C. A. Worthley, H. I. Bell, and A. W. Manchester, joint authors.

MARYLAND University, Colleges of Agriculture and Home Economics, Extension Service, College Park

EMERSON, D. Games for 4-H Club meetings. Md. Agr. Col. Ext. B. 123,19 p. Apr.1953. 275.29 M36B

MARYLAND. UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Maryland farm and home publications. Md. Agr. Col. Ext. Fact Sheet 0,4 p. Apr.1953. 275.29 M36Fa

ELLINGTON, C. P., BENTZ, F. L., and HERSHBERGER, M. F. Using the soil survey and land capability unit maps. Md. Agr. Col. Ext. Fact Sheet 63, 4 p. Mar.1953. 275.29 M36Fa

RICE, W. H. Brooding replacement and broiler chicks. Md. Agr. Col. Ext. Fact Sheet 64,4 p. Feb.1953. 275.29 M36Fa

CARPENTER, R. W. How many acres? How to calculate field areas. Md. Agr. Col. Ext. Fact Sheet 65, 4 p. Apr.1953. 275.29 M36Fa

CORY, E. N., GRAHAM, C., and BISSELL, T. L. The periodical cicada. Md. Agr. Col. Ext. Misc. Ext. P. 19,2 p. Apr.1953. 275.29 M36Mis

Magicicada septendecim.

MASSACHUSETTS University, School of Agriculture, Extension Service, Amherst

THOMSON, C. L., and LACHMAN, W. H. Weed control chart for vegetables, 1953. Mass. U. Agr. Ext. Spec. C. 163,rev.,2 p. Feb.1953. 275.29 M381Sc

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. General-purpose home orchard spray schedule. Mass. U. Agr. Ext. Spec. C. 178,rev.,2 p. Jan.1953. 275.29 M381Sc

SOUTHWICK, F. W., and WEEKS, W. D. Chemical thinning of apples and peaches. Mass. U. Agr. Ext. Spec. C. 189,4 p. May 1952. 275.29 M381Sc

BAILEY, J. S. Poison ivy [Toxicodendron radicans] identification, precautions, eradication. Mass. U. Agr. Ext. Spec. C. 190,2 p. Mar.1952. 275.29 M381Sc

SHAW, F. R. Observation beehives—construction, use. Mass. U. Agr. Ext. Spec. C. 191,2 p. Apr. 1952. 275.29 M381Sc

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. DEPT. OF ENTOMOLOGY. European earwig [Forficula auricularia]. Mass. U. Agr. Ext. Spec. C. 193,2 p. Apr.1952. 275.29 M381Sc

TUTTLE, A. P. Plan for "postage stamp" garden (8 x 15 feet). Mass. U. Agr. Ext. Spec. C. 194,2 p. Apr.1952. 275.29 M381Sc

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. DEPT. OF ENTOMOLOGY. Elm leaf beetle [Galerucella xanthomelaena]. Mass. U. Agr. Ext. Spec. C. 195,1 p. Apr.1952. 275.29 M381Sc

PARMENTER, R. B. Cold-soak wood preservation. Mass. U. Agr. Ext. Spec. C. 196,2 p. May 1952. 275.29 M381Sc

DONALDSON, R. W., and HARRINGTON, W. C. Trench silage; handling, storing, removing. Mass. U. Agr. Ext. Spec. C. 197,14 p. June 1952. 275.29 M381Sc

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. DEPT. OF BOTANY. Polygonum cuspidatum (Japanese knotweed). Mass. U. Agr. Ext. Spec. C. 198,1 p. June 18,1952. 275.29 M381Sc

SYLSTRA, A. W. Fowl typhoid. Mass. U. Agr. Ext. Spec. C. 199,4 p. July 1952. 275.29 M381Sc

BOICOURT, A. W. Pruning and winter care of roses. Mass. U. Agr. Ext. Spec. C. 200,1 p. July 52. 275.29 M381Sc

HARRINGTON, W. C. Garbage cooking equipment. Mass. U. Agr. Ext. Spec. C. 210,9 p. Apr.1953. 275.29 M381Sc

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. 27 packed boxes; a grade count of packed apples prepared for sale, by F. E. Cole and O. C. Roberts. Amherst,1952. 8 p. 275.2 M38Tw

MICHIGAN State College of Agriculture and Applied Science, Extension Division, East Lansing

MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. DEPT. OF FOODS AND NUTRITION. Fish recipes. Mich. State Col. Agr. Ext. B. 313,16 p. June 1952. 275.29 M58B

BELL, A. J., and MOORE, J. M. Ventilation for Michigan laying houses. Mich. State Col. Agr. Ext. B. 317,8 p. Feb.1953. 275.29 M58B

HIGGINS, R. A. Freshening vegetables for retail sale. Mich. State Col. Agr. Ext. B. 318,20 p. Apr. 1953. 275.29 M58B

MICHIGAN. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION DIV. AGRICULTURAL ECONOMICS DEPT. Farmer's 1952 income tax. East Lansing,1952. 32 p. 275.2 M582

MINNESOTA University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

MINNESOTA. UNIVERSITY. DEPT. OF AGRICULTURE. DIV. OF AGRICULTURAL EXTENSION. Improved varieties of farm crops. Minn. U. Agr. Ext. Folder 22,rev.,28 p. Mar.1953. 275.29 M66Ex

NEBRASKA University, College of Agriculture, Agricultural Extension Service, Lincoln

POOL, R. J., and MAXWELL, E. G. Wild flowers in Nebraska. Nebr. Agr. Col. Ext. E. C. 5-168, 41 p. June 1952. 275.29 N272Ex

GROSS, D. L. Legumes for better farming. Nebr. Agr. Col. Ext. E. C. 196,8 p. Mar.1952. 275.29 N272Ex

DOWE, T. W. Urea as a protein extender for ruminants. Nebr. Agr. Col. Ext. E. C. 256,10 p. 1953. 275.29 N272Ex

MILLER, V. J., and WHITNEY, W. C. Pest control in the home fruit planting. Nebr. Agr. Col. Ext. E. C. 1277,12 p. 1953. 275.29 N272Ex

WIGGANS, C. C. Strawberries in Nebraska. Nebr. Agr. Col. Ext. E. C. 1278,15 p. 1953. 275.29 N272Ex
Revision of Experiment Station Circular 11, Mar. 1948.

CLAYBAUGH, J. H. The flock owner's part in pullorum eradication. Nebr. Agr. Col. Ext. E. C. 1481, rev.,8 p. n.d. 275.29 N272Ex

DIEDRICHSEN, E. Easy as pie! Nebr. Agr. Col. Ext. E. C. 9994,8 p. Sept.1952. 275.29 N272Ex

DIEDRICHSEN, E. French fried foods. Nebr. Agr. Col. Ext. E. C. 9995,8 p. Nov.1952. 275.29 N272Ex

NEW MEXICO College of Agriculture, Extension Service, State College

SWOBODA, M. Cotton insect control guide for New Mexico, 1953. N. Mex. Agr. Col. Ext. C. 227,8 p.-folder. Mar.1953. 275.29 N463E

FLINT, W. E. Your 4-H beef calf. N. Mex. Agr. Col. Ext. C. 237,16 p. Jan.1953. 275.29 N463E

NEW YORK State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

NEW YORK. STATE COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Are home freezers and frozen food plans for you? N. Y. Agr. Col. Ext. Food Mktg. L. 9,6 p.-folder. Mar.1953. 275.29 N48Foo

NORTH CAROLINA University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

HYATT, G., MURLEY, W. R., and AREY, J. A. Steps to good milking. N. C. Agr. Col. Ext. Folder 99,6 p. Feb.1953. 275.29 N811Ex

OHIO State University, College of Agriculture, Agricultural Extension Service, Columbus

GALLE, F. C., and CHADWICK, L. C. Outdoor roses. Ohio. Agr. Col. Ext. Nursery Notes 21(12),10 p. Dec.1952. 275.29 Oh32N

OKLAHOMA Agricultural and Mechanical College, Extension Division, Stillwater

STILES, C. F. Beekeeping for beginners. Okla. Agr. Col. Ext. C. 238,23 p. n.d. 275.29 Ok41C

CHAFFIN, W. Sorghums for grain and forage. Okla. Agr. Col. Ext. C. 478,20 p. n.d. 275.29 Ok41C

STILES, C. F. Cotton insect control. Okla. Agr. Col. Ext. C. 499,8 p. 1953? 275.29 Ok41C

PHAGAN, C. V. Terrace maintenance in Oklahoma. Okla. Agr. Col. Ext. C. 572,8 p. n.d. 275.29 Ok41C

CHAFFIN, W. Weed control. Okla. Agr. Col. Ext. C. 582,20 p. n.d. 275.29 Ok41C

CHAFFIN, W. Higher crop yields with lime, fertilizers and legumes. Okla. Agr. Col. Ext. C. 588,8 p. n.d. 275.29 Ok41C

PENNSYLVANIA State College, Agricultural Extension Service, State College

LITTLE, M. F. Deep in the family. Pa. State Col. Agr. Ext. C. 155,6 p.-folder. Jan.1953. 275.29 P38C

LITTLE, M. F. Let's cook outdoors. Pa. State Col. Agr. Ext. C. 397,rev.,35 p. Jan.1952. 275.29 P38C

COOPER, A. E. Lawn management. Pa. State Col. Agr. Ext. C. 412,14 p. Feb.1953. 275.29 P38C

PUERTO RICO University, College of Agriculture, Extension Service, Rio Piedras

OSUNA, P. La siembra de tomates. P. R. Agr. Col. Ext. C. 25,13 p. Nov.1952. 275.29 P96Ci

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Recetas de batata. P. R. Agr. Col. Ext. C. 27,7 p. Jan.1953. 275.29 P96Ci

MAYORAL REINAT, A. Ayude a los socios 4-H a seleccionar sus lideres. P. R. Agr. Col. Ext. Fol. 5,4 p. Oct.1952. 275.29 P96Fh

MAYORAL REINAT, A. Ayude a los socios a conseguir material para sus proyectos. P. R. Agr. Col. Ext. Fol. 6,3 p. Oct.1952. 275.29 P96Fh

MAYORAL REINAT, A. Las jiras, excursiones, torneos y rallies son metodos auxiliares 4-H. P. R. Agr. Col. Ext. Fol. 7,3 p. Nov.1952. 275.29 P96Fh

MAYORAL REINAT, A. Conviene organizar clubs de lideres 4-H. P. R. Agr. Col. Ext. Fol. 9,3 p. Nov.1952. 275.29 P96Fh

JOGLAR RODRIGUEZ. Como seleccionar y conservar semilla de tabaco. P. R. Agr. Col. Ext. Fol. A-15,4 p. Dec.1952. 275.29 P96A

RHODE ISLAND State College, Extension Service, Kingston

SHURTLEFF, M. C., HOWARD, F. L., and KERR, T. W. Vegetable pest control program. R. I. State Col. Ext. B. 137,rev.,11 p. Apr.1952. 275.29 R34

SCHALLOCK, D. A. Recommendations for seed, fertilizer and lime. R. I. State Col. Ext. B. 142,4 p. n.d. 275.29 R34

KNEELAND, C. J., and DOLAN, D. D. Sweet corn in Rhode Island. R. I. State Col. Ext. B. 144,7 p. June 1952. 275.29 R34

TRASK, O. S. Raising baby chicks. R. I. State Col. Ext. B. 149,15 p. Mar.1953. 275.29 R34

SOUTH CAROLINA, Clemson Agricultural College, Extension Service, Clemson

GOODING, P. H. Feeding laying hens. Clemson Agr. Col. S. C. Ext. C. 131,rev.,15 p. Feb.1953. 275.29 So8E

SOUTH CAROLINA. CLEMSON AGRICULTURAL COLLEGE. EXTENSION SERV. Cotton production insect and disease control South Carolina—1953. Clemson Agr. Col. S. C. Ext. C. 380,16 p. Feb.1953. 275.29 So8E

SUTHERLAND, M. H., and WILLIAMON, P. S. Planning for balanced farming. Clemson Agr. Col. S. C. Ext. C. 381,26 p. Jan.1953. 275.29 So8E

TEXAS Agricultural and Mechanical college, Agricultural Extension Service, College Station

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Food for camp. Tex. Agr. Col. Ext. B-212,15 p. n.d. 275.29 T312

PATTERSON, C. M. Prevent bloat in cattle and sheep. Tex. Agr. Col. Ext. L-180,2 p. n.d. 275.29 T313

UTAH State Agricultural College, Extension Service, Logan

KNOWLTON, G. F., and ROWE, J. A. Irrigation-water mosquito prevention and control. Utah. State Agr. Col. Ext. C. 182,2 p. Apr.1953. 275.29 Ut1

VIRGINIA Agricultural and Mechanical College and Polytechnic Institute, Agricultural Extension Division, Blacksburg

VIRGINIA. AGRICULTURAL AND MECHANICAL COLLEGE AND POLYTECHNIC INSTITUTE. How soil reaction affects the supply of plant nutrients. Va. Agr. Col. Ext. B. 136,rev.,17 p. Jan.1953. 275.29 V81B

CROUSE, R. H. Aromatic tobacco production. Va. Agr. Col. Ext. B. 204,rev.,12 p. Mar.1953. 275.29 V81B

WASHINGTON State College, Extension Service, Pullman

WASHINGTON. STATE COLLEGE. POULTRY COUNCIL. Management of breeder chickens. Wash. State Col. Ext. B. 348,8 p. July 1952. (Poultry Pointers 25,revised) 275.29 W27Pou

MOSHER, M. M., and LUNNUM, K. Trees of Washington. Wash. State Col. Ext. B. 440,rev.,40 p. Jan. 1953. 275.29 W27P

LUSK, M. An outfit for the man in your life; 4-H clothing plan VIII. Wash. State Col. Ext. B. 471,8 p. Feb.1953. 275.29 W27P

BRANNON, D. H. Household insects and their control. Wash. State Col. Ext. B. 472,14 p. Feb.1953. 275.29 W27P

ECKBLAD, I. Food and fun with friends. Wash. State Col. Ext. B. 473,8 p. Feb.1953. 275.29 W27P

DODGE, J. C. The 4-H garden project. Wash. State Col. Ext. B. 478,8 p. Mar.1953. 275.29 W27P

CROWLEY, D. J., and others. Recommendations for cranberry production in Washington. Wash. State Col. Ext. C. 144,rev.,4 p. Mar.1953. 275.29 W27C
M. R. Harris, D. H. Brannon, H. S. Telford, and R. E. Tidrick, joint authors.

HOOBLER, S. Q. Keeping up on the farm outlook. Wash. State Col. Ext. C. 223,6 p.-folder. Feb.26, 1953. 275.29 W27C

HOOBLER, S. Q. Keeping up on the farm outlook. Wash. State Col. Ext. C. 224,6 p.-folder. Mar.31, 1953. 275.29 W27C

JOHNSON, F., and HARRIS, M. R. Disease control for raspberries in western Washington. Wash. State Col. Ext. Mimeog. 1463,1 p. Feb.1953. 275.29 W27Mi

WEST VIRGINIA University, College of Agriculture, Agricultural Extension Service, Morgantown

OLSON, N. O. Respiratory diseases of poultry in West Virginia. W. Va. Agr. Col. Ext. C. 365,19 p. Feb 1953. 275.29 W522C

WEST VIRGINIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. How to produce high corn yields. W. Va. Agr. Col. Ext. C. 366,7 p. Mar.1953. 275.29 W522C

BELL, W. Composition floor coverings. W. Va. Agr. Col. Ext. Good Living Ser. 20(7),4 p. n.d. 275.29 W522G

LYNDE, L. A. Family goals and responsibilities. W. Va. Agr. Col. Ext. Good Living Ser. 20(8),6 p.-folder. n.d. 275.29 W522G

WASMUTH, G. The family plans its time. W. Va. Agr. Col. Ext. Good Living Ser. 20(9),6 p.-folder. n.d. 275.29 W522G

WEST VIRGINIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Better rural living. The 1952 report of the Cooperative Extension Service in Agriculture and Home Economics at West Virginia University. Morgantown,1952. 28 p. 275.29 W522B

WISCONSIN Agricultural Experiment Station, Madison

ALBERT, A. R., and BRIGGS, G. M. If you grow soybeans on sandy soil. Wis. Agr. Col. Ext. Stencil C. 262,rev.,9 p. Nov.1952. 275.29 W75B

CLARK, J. W. Water, woods, wildlife [in] Wisconsin. Wis. Agr. Col. Ext. C. 417,32 p. Jan.1953. 275.29 W75C

ADAMS, J. L., ANNIN, G. E., and SUNDE, M. L. Getting poultry ready for market. Wis. Agr. Col. Ext. C. 434,18 p. Dec.1952. 275.29 W75C

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. DEPT. OF VETERINARY SCIENCE. Leptospirosis. Wis. Agr. Col. Ext. C. 436,2 p. Dec.1952. 275.29 W75C

MCCORDIC, M. P., and YOUNG, L. A. Easier washing. Wis. Agr. Col. Ext. C. 438,18 p. Jan. 1953. 275.29 W75C

HERRICK, C. A. Coccidiosis. Wis. Agr. Col. Ext. C. 443,4 p. Mar.1953. 275.29 W75C

WYOMING University, College of Agriculture, Agricultural Extension Service, Laramie

GORMAN, J. A. Horses; their care and training. Wyo. Agr. Col. Ext. C. 125,33 p. Jan.1953. 275.29 W99C

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Carpet wool. Food & Agr. Organ. United Nations. Commod. Rpt. Fibers 4,33 p. Nov.1952. 281.3739 F73

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Commodity reports: rice. Rome,1952. 42 p. (FAO/52/12/8353) 281.3599 F73C

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Dairy products. Food & Agr. Organ. United Nations. FAO Commod. Ser. B. 24, 69 p. Feb.1953. 389.9 F835Cs
Includes statistics.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Monthly bulletin of agricultural economics and statistics 2(2),52 p. Feb.1953. 251 F73Mb

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Per caput fiber consumption levels. Food & Agr. Organ. United Nations. FAO Commod Ser. B. 21(sup.1),14 p. Dec.1952. 389.9 F735Cs

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. AUSTRIAN NATIONAL FAO COMMITTEE. Bulletin 4;37-48. 1952. 281.9 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. UNITED STATES-FAO INTER-AGENCY COMMITTEE. Report by the Government of the United States of America to the Food and Agriculture Organization of the United Nations, April 1953. Washington,1953. 21 p. 389.9 F7354

LATIN AMERICAN FORESTRY COMMISSION. Report of the fourth meeting, June 16-23, 1952, Buenos Aires. Buenos Aires,1952. 14 p. 99.9 L342

VAJDA, A. DE. Some aspects of surface water development in arid regions. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 21,45 p. Nov.1952. 281.9 F733

BIBLIOGRAPHY OF AGRICULTURE



WYNDMOOR

U.S. DEPARTMENT OF AGRICULTURE LIBRARY

ITEMS 59867-68539 JULY 1953 VOL. 17, No. 7

The subject index for volume 17 of the Bibliography of Agriculture will appear as number 12 of volume 17, the issue of December 1953.

Abbreviations used in this publication are from the United States Department of Agriculture Bibliographical Bulletin 12, List of Serials Currently Received in the Library of the United States Department of Agriculture, November 1, 1949. June 1950.

Call numbers following the citations are those of the United States Department of Agriculture Library. Please use them when requesting publications on loan from the Library.

Except for printed publications of the Department of Agriculture which are usually available in limited supply for free distribution, the publications listed herein are not available for free distribution from the Department. However, photoprint or microfilm copies of any publication listed may be obtained from the Library. Copying charges for each periodical article or book are:

MICROFILMS:
$1.00 for each 50 pages or fraction thereof from a single article or book.

PHOTOPRINTS:
$1.00 for each 10 pages or fraction thereof from a single article or book.

ALL CHARGES ARE CASH WITH ORDER. (Only Federal agencies are exempt.)
Enclose payment in cash, library coupon, check, or money order drawn to the Treasurer of the United States.

LIBRARY COUPONS—United States Department of Agriculture Library coupons valued at $1.00 each may be ordered in any quantity.

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Mar. 31, 1953).

UNITED STATES DEPARTMENT OF AGRICULTURE
LIBRARY

BIBLIOGRAPHY OF AGRICULTURE

Vol. 17 July 1953 No. 7
Items 59867-68539

CONTENTS

	Item
Plant Science	59867-62067
Systematic and Geographic Botany	59927
Spermatophytes	59933
Pteridophytes	60032
Bryophytes	60040
Algae	60048
Fungi	60061
Pathology	60110
Fungus Diseases	60238
Bacterial Diseases	60408
Virus Diseases	60422
Nematodes	60492
Ecology	60521
Morphology, Anatomy, and Cytology	60557
Genetics	60618
Physiology	60684
Biochemistry	60935
Field Crops	60973
Cereals	61013
Fiber Crops	61134
Forage and Grasses	61157
Oil Crops	61310
Sugar Crops	61332
Tobacco	61360
Horticultural Crops	61369
Fruits	61395
Citrus and Subtropical	61443
Deciduous	61474
Small	61516
Nuts	61570
Shade Trees and Ornamental Plants	61574
Vegetables	61813
Weeds and Poisonous Plants	61924
Miscellaneous	62016
Soils and Fertilizers	62068-62660
Soil Science	62068
Soil Physics	62072
Soil Chemistry	62105
Soil Biology	62155
Soil-Plant-Animal Relationships	62177
Soil Genesis, Formation, Classification and Mapping	62181
Soil Management	62196
Soil Fertility	62232
Tilth and Tillage	62405
Drainage, Irrigation, Water Supply, etc.	62424
Erosion and Control	62562
Sanitation	62596
Materials for Soil Improvement	62604
Primary Materials	62606
Secondary and Minor Element Materials	62610
Mixed Fertilizers and Fertilizer Technology	62616
Fertilizer Statistics	62618
Mineral Soil Ammendments	62631
Manures and Composts	62640
Forestry	62661-63233
General	62661
Education	62694
Policies, Programs, Administration	62701
Legislation and Taxation	62744
Description and Resources	62750
Individual Genera	62775
Forest Management and Finance	62812
Farm Woodlands	62839
Mensuration, Surveying, Photogrammetry	62846
Silviculture	62862
Silvicultural Practices	62878
Seeding and Planting	62902
Forest Protection and Damage	62935
Fire	62953
Forest Influences	62980
Miscellaneous Forest Uses	62987
Forest Industries and Trade	62990
Lumbering	63007
Lumbering Equipment	63018
Logging	63024
Sawmills	63042
Processing and Woodworking	63053
Seasoning, Conditioning and Finishing	63057
Wood Preservation and Damage	63066
Forest Products	63083
Lumber and Rough Products	63091
Building Construction	63101
Veneers, Plywood and Adhesives	63109
Containers	63127
Pulp and Paper	63129
Chemical Products and Distillates	63163
Naval Stores	63180
Other Forest Products	63184
Wood Technology	63203
Properties and Structure	63219
Animal Industry	63234-64487
Breeds and Breeding	63234
Feeds and Feeding	63246
Veterinary Medicine	63340
Miscellaneous	63461
Cattle	63479
Breeds and Breeding	63479
Feeds and Feeding	63571
Veterinary Medicine	63640
Miscellaneous	63786
Dogs and Cats	63842
Breeds and Breeding	63842
Veterinary Medicine	63858
Miscellaneous	63906
Fur Animals - Pen Raised	63911
Breeds and Breeding	63911
Feeds and Feeding	63913
Veterinary Medicine	63916
Miscellaneous	63926
Horses and Mules	63931
Breeds and Breeding	63931
Feeds and Feeding	63944
Veterinary Medicine	63947
Miseellaneous	63975
Laboratory Animals, Small	63989
Breeds and Breeding	63989
Feeds and Feeding	63990
Veterinary Medicine	63991

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.
$6.00 per year, domestic; $8.00 per year, foreign. Single copies vary in price.

	Item
Miscellaneous	63992
Poultry	63994
Breeds and Breeding	63994
Feeds and Feeding	64029
Veterinary Medicine	64092
Miscellaneous	64177
Rabbits	64259
Breeds and Breeding	64259
Feeds and Feeding	64271
Veterinary Medicine	64274
Miscellaneous	64278
Sheep and Goats	64286
Breeds and Breeding	64286
Feeds and Feeding	64314
Veterinary Medicine	64324
Miscellaneous	64369
Swine	64384
Breeds and Breeding	64384
Feeds and Feeding	64398
Veterinary Medicine	64440
Miscellaneous	64475
Entomology	64488-65622
General - Economic	64520
Insecticides	64652
Apiculture and Apis Mellifera	64676
Arachnida, etc.	64752
Coleoptera	64824
Diptera	64974
Culicidae	65101
Hemiptera	65137
Hymenoptera	65220
Lepidoptera	65300
Orthoptera	65504
Sericulture and the Silkworm	65522
Smaller Orders	65569
Agricultural Engineering	65623-65977
General and Miscellaneous	65623
Machines and Equipment	65641
Animal Husbandry	65706
Cultivation and Tillage	65727
Fertilizer and Seed Distributors	65747
Harvesting	65759
Land Clearing Equipment	65784
Processing Equipment Used on the Farm	65790
Repair, Maintenance, and Construction	65823
Spraying and Dusting	65828
Vehicles	65843
Structures and Rural Housing	65874
Animal Shelters and Service Buildings	65882
Farmhouses and Farmsteads	65906
Greenhouses and Plant Service Buildings	65912
Materials and Methods	65926
Storage Structures	65928
Walls and Fences	65946
Utilities	65955
Electricity and Electrification	65955
Heating, Lighting and Radiation	65963
Power Plants, Motors and Engines	65969
Telephones	65971
Water Supply	65972
Agricultural Products: Processing, Distribution, and Statistics	65978-67484
Analysis and Composition	65989
Consumption, etc.	66028
Distribution, etc.	66037
Grading, etc.	66062
Packing and Packaging	66099
Prices, etc.	66109
Processing and Storage	66127
Statistics	66177
Beverages and Condiments	66196
Dairy Products	66326
Analysis and Composition	66372
Consumption, etc.	66408
Distribution, etc.	66410
Grading, etc.	66437
Packing and Packaging	66468
Prices, etc.	66480
Processing and Storage	66488
Statistics	66564
Feed and Forage Crops	66566
Fibers and Textiles	66606
Fruits, Vegetables, and Nuts	66744
Analysis and Composition	66771
Consumption, etc.	66792
Distribution, etc.	66795
Grading, etc.	66828
Packing and Packaging	66848
Prices, etc.	66857
Processing and Storage	66859
Statistics	66946
Grain and Grain Products	66963
Honey and Beeswax	67070
Livestock and Livestock Products	67083
Analysis and Composition	67121
Consumption, etc.	67129
Distribution, etc.	67131
Grading, etc.	67157
Packing and Packaging	67177
Prices, etc.	67180
Processing and Storage	67187
Statistics	67214
Oils and Oilseeds	67227
Poultry and Poultry Products	67298
Rubber and Rubber Substitutes	67345
Seeds	67369
Sugar and Sirups	67396
Tobacco	67450
Miscellaneous	67458
Agricultural Economics, and Rural Sociology	67485-68317
Agricultural Finance	67508
Credit	67520
Income	67567
Inflation	67576
Insurance	67577
Taxation	67597
Agricultural Labor and Wages	67620
Agriculture - Situation, Policies, and Programs	67664
Subsidies	67794
Cost and Standard of Living	67796
Farm Management and Land Economics	67797
Bookkeeping and Records	67885
Costs and Returns	67892
Land Settlement and Colonization	67922
Land Tenure	67943
Land Utilization	67985
Land Values, etc.	67999
Population	68008
Rural Social Organization	68019
Human Ecology	68033
Institutions	68041
Leadership	68177
Rural Organizations and Movements	68181
Rural Social Psychology	68246
Trade, Foreign and International	68255
Food and Human Nutrition	68318-68403
Food Habits	68375
Nutritive and Vitamin Content	68376
Miscellaneous	68404-68539
History and Biography	68452
Home Management	68491
Meteorology	68497
Personnel	68509
Research	68512
Statistics	68531

U. S. D. A. Publications p. 189

State Agr. Expt. Sta. Publications p. 194

State Agr. Ext. Serv. Publications p. 199

Food and Agr. Organ. of the U. N. p. 203

AUTHOR INDEX p. 205

The printing of this publication has been approved by the Director of the Bureau of the Budget. (Mar. 31, 1953)

PLANT SCIENCE

GENERAL

59867 AL-RAWI, A. Plants in relation to man. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-Iraqiyah 8:497-502. Apr./June 1953. 22.5 Ir1
English summary, p. 15.
History of botany in Iraq.

59868 ANGELY, J. Dictionary of technical botanical terms. (In Portuguese.) Rev. da Flora Med. 18:29-64. (Cont.) Jan./June 1952. 71.8 R32

59869 ARCE PICÓN, J. La División de Experimentación Agrícola de la Dirección General de Agricultura. Peru. Dir. Gen. de Agr. B. 3/4:64-71. First/Second Q. 1952. 9.8 P438
Plant research.

59870 BALOUT, L. À propos de charbons préhistoriques. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:160-163. Oct./Dec.1952. 410.9 So125
Paleobotany.

59871 BENEDICT, R. G. Antibiotics produced by Actinomycetes. Bot. Rev. 19:229-320. Ref. May 1953. 450 B6527

59872 BOERGER, A. Domesticación, migración y difusión de plantas cultivadas en tiempos antiguos y modernos. Uruguay. Min. de Ganad. y Agr. B. Inform. 10(458):7; (459):10-11. Mar.19-26,1953. 9.9 G15B

59873 BOUREAU, E. Étude paléoxylologique du Sahara. XVI. Sur un échantillon silicifié récolté dans les couches post-éocènes de Tisserlitine, sur la bordure NW de l'Adrar des Iforas. Mus. Natl. d'Hist. Nat. B. (ser.2) 24:489-495. Oct.1952. 410.9 P213

59874 BOURIQUET, R. Sur l'emploi d'un emporte-pièces pour le prélèvement et la mise en culture de fragments de parenchyme vasculaire de topinambour. Soc. de Biol. Compt. Rend. 146:1897-1899. Dec.1952. 442.9 P21

59875 COUPER, R. A. Plant microfossil dating of some New Zealand upper tertiary volcanic rocks. New Zeal. J. Sci. & Technol. B, Gen. Res. Sect. 34:373-377. Ref. Mar.1953. 514 N48B

59876 COWAN, J. M., ed. The journeys and plant introductions of George Forrest. London,Oxford U. Press,1952. 252 p. 460.14 C832

59877 CURTIS, W. C. Garden in the woods. Pop. Gard. [Albany] 4(5):34-36,72-73. May 1953. 80 P812
Plant sanctuary near Sudbury, Mass.

59878 DECARIS, L. J. Un Streptomyces lavendulae, producteur d'un nouvel antibiotique. Ann. Pharm. Franç. 11:44-46. Jan.1953. 396.8 An7

59879 EISENMAN, W., and others. A new sulfur-containing antibiotic, produced by a Streptomyces, active against bacteria and fungi. Antibiotics & Chemother. 3: 385-392. Apr.1953. 396.8 An8
P. P. Minieri, A. Abbey, J. Charlebois, M. Moncrieff-Yeates, and N. E. Rigler, joint authors.

59880 ESPENSHADE, M. A. A technique of mounting fungal colonies for museum specimens. Mycologia 45: 309-312. Mar./Apr.1953. 450 M99

59881 EXELL, A. W., FERNANDES, A., and MENDONÇA, F. A. Botanical collectors in Portuguese Africa. (In Portuguese.) Soc. Broteriana. B. (ser.2)26:213-220. 1952. 451 C66

59882 FIELD, M., DURDEN, J. V., and SMITH, F. P. See how they grow: botany through the cinema. Harmondsworth,1952. 169 p. (Pelican Books. A242) 463.3 F45

59883 FREIRE, J. R. J. Mineral oil as a preservative of microorganism cultures. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:215-220. Ref. Sept.1952. 9.2 R325
Includes fungi.

59884 FREY, H. C. The lyre tree. Cornell Plantations 9:41-42. Spring 1953. 409.6 C812
Putnam County, New York.

59885 GATES, H. E. Mexico. Cactus & Succulent J. Gt. Brit. 15:29-31. (Cont.) Apr.1953. 450 C113

59886 GRIGSON, G. A neglected herbal. Country Life Annu.,Christmas 1952:92-93. 80 C835
New Herball, by William Turner, 1551.

59887 GUTTENBERG, H. A. F. J. RITTER VON. Lehrbuch der allgemeinen botanik. Ed. 2. Berlin, Akademie-Verlag,1952. 641 p. 463 G98

59888 HANA, K. Van dier en plant, water en land [On animals, plants, water and land]. Ed. 4. Antwerpen, De Sikkel,1952. 647 p. Ref. 409 H197

59889 HÄRTEL, O. Das verhalten des "festen zellsaftes" von Cerinthe bei fluorochromierung mit acridinorange. Protoplasma 42:83-89. Ref. 1953. 442.8 P94

59890 HATHEWAY, W. H. The land vegetation of Arno Atoll, Marshall Islands. Natl. Res. Council. Pacific Sci. Bd. Atoll Res. B. 16,68 p. Ref. Apr. 30,1953. 500 N215

59891 HINO, I., and OKA, K. Vegetation of Hutaoizima, Yamaguti Prefecture. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:117-143. 1952. 107.6 Y14
English summary.

59892 HINO, I., and OKA, K. Vegetation of Ooiwago, Yamaguti Prefecture. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:145-158. 1952. 107.6 Y14
English summary.

59893 JARAMILLO-ARANGO, J. Don José Celestino Mutis y las expediciones botánicas españolas del siglo XVIII al Nuevo Mundo. Madrid. Acad. de Cienc. Exac. Fís. y Nat. Rev. 46:37-80. 1952. 506 M26R

59894 JOHNSON, J. R., KIDWAI, A. R., and WARNER, J. S. Gliotoxin. XI. A related antibiotic from Penicillium terlikowski: gliotoxin monoacetate. Amer. Chem. Soc. J. 75:2110-2112. May 5,1953. 381 Am33J

59895 KONIG, E. Unregelmässiger jahrringbau. Norddeut. Holzwirt. 7(50):6-7. Apr.25,1953. 99.82 N75

59896 KOVAČEVIĆ, J. Concerning the need for founding an institute for the introduction of plants. (In Serbo-Croatian.) Narod. Šumar 6:257-258. Sept./Oct.1952. 99.8 N16

59897 LAWRENCE, R. F. Observations on the insect trapping habit of the composite Helichrysum cooperi Harv. Ent. Soc. South. Africa. J. 14:133-143. Nov.30,1951. 420 En86

59898 LENTZ, A. N. The story of Arbor Day. N. J. Agr. Col. Ext. L. 102,4 p. Mar.1953. 275.29 N46L

59899 LEROY Y GÁLVEZ, L. F. Paginas olvidadas de la historia de la botanica en Cuba. Soc. Cubana de Bot. Rev. 9:137-138. Oct./Dec.1952. 451 So123

59900 LITVAK, M. Relic of oak forest in Aqua-Bella. (In Hebrew.) La-Yaaran 3:29-30. Nov.1952. 99.9 So19

59901 MCCLINTOCK, F. California's arboretums and botanical gardens. Calif. Hort. Soc. J. 14:66-72. Apr.1953. 81 C1293

59902 MCINDOE, A. H. Plant propagation. 2. Agr. Gaz. N. S. Wales 64:131-133,166. Mar.1953. 23 N472

59903 MAHESHWARI, P. Botany and the world's food problem. J. Sci. Res. 1:197-201. Oct./Dec.1952. 475 J822

59904 MAUNY, R. Notes historiques autour des principales plantes cultivées d'Afrique Occidentale. Inst. Franç. d'Afrique Noire. B. 15:684-730. Ref. Apr.1953. 515 D14

59905 MENENDEZ AMOR, J. Un nuevo yacimiento de plantas fósiles. Soc. Españ. de Hist. Nat. B. Secc. Geol. 50:131-132. 1952. 403 So1

59906 MULLIGAN, B. O. The winter garden at the University of Washington Arboretum. Calif. Hort. Soc. J. 14:60-63. Apr.1953. 81 C1293

59907 NOMBRE de las principales plantas cultivadas en el Perú. Mensajero Agr. 79:54-55. (Cont.) Jan.1953. 9.8 M52

59908 NOVELLI, A. A new nuclear staining method with a vegetal indicator dye: the "Sambucyanin." Experientia 9:152-153. Apr.15,1953. 475 Ex7
Extract from Sambucus nigra.

59909 PADY, S. M., and KAPICA, L. Air-borne fungi in the Arctic and other parts of Canada. Canad. J. Bot. 31:309-323. Ref. May 1953. 470 C16C

59910 POSTLETHWAIT, S. N., and others. Preparation of botanical models and lantern slides from sheet plastic. Amer. J. Bot. 40:332-335. May 1953. 450 Am36
G. B. Cummins, J. H. Lefforge, G. A. Gries, and F. Stearns, joint authors.
Pyralin.

59911 RICHHARIA, R. H., and GHOSH, P. N. Use of iron alum in improving aceto-carmine smear preparations in cucurbits. Cur. Sci. 22:83-84. Mar.1953. 475 Sci23

59912 ST. JOHN, H., and MASON, L. E. Vernacular names of the plants of Bikini, Marshall Islands. Pacific Plant Studies 12. Pacific Sci. 7:165-168. Apr.1953. 475 P11

59913 SCHARFETTER, R. Pflanzenschicksale. Wien,Deuticke,1952. 79 p. 459 Sch1P

59914 SCHATZ, A. S. Catalogo de cultivos del Instituto de Microbiología Agrícola. Argentina. Inst. de Microbiol. Agr. P. Misc. 5,39 p. 1952. 448.39 Ar3

59915 SCHULMAN, E. Rio Grande chronologies. Tree-Ring B. 19:20-33. Jan./Apr.1953. 99.8 T713

59916 SIAL, N. M., and GHANI, A. R. On the need for a comprehensive multilingual dictionary of Pakistani plant-names; together with a list of existing glossaries and indexes. Pakistan J. Forestry 3:14-20. Jan.1953. 99.8 P17

59917 SPONSLER, O. L., and BATH, J. D. A view of submicroscopic components of protoplasm as revealed by the electron microscope. Protoplasma 42:69-76. Ref. 1953. 442.8 P94

59918 STIVEN, G. Antibiotic activity of some grasses. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:49. 24 J59

59919 TABART, J., and BIMONT, G. Etude des pollens provoquant la fièvre des foins dans la region parisienne. Presse Méd. 61:545-547. Apr.15,1953. 448.8 P92
English summary in supplement.

59920 TEILLON, J. Identification biologique des Streptomyces producteurs d'antibiotiques. Rev. d'Immunol. 17:41-49. 1953. 448.8 R323

59921 THOMASSON, R. R. Maytime in the Ozarks. Horticulture 31:206,226. May 1953. 80 H787
Vegetation.

59922 TRAUB, H. P. Arabinic acid, a new non precipitating ingredient in combined staining and mounting media. Euclides 13:149-160. (Cont.) Ref. Apr.1953. 475 Eu2

59923 TSCHERMAK, L. Zur karte der wuchsgebiete des österreichischen waldes. Österr. Vrtljahresschr. f. Forstw. 94:29-35. Ref. 1953. 99.8 Oe8

59924 WARD, F. K. A botanist in the Shan States. Gard. Chron. 133:140. Apr.18,1953. 80 G162
Trip from Mandalay to Myitkyina, Burma.

59925 WEAVER, E. A., CORDON, T. C., and JOHN, H. J. Closure for culture bottle. Mycologia 45:307-309. Mar./Apr.1953. 450 M99

59926 WHITEHOUSE, H. L. K. Botany from the beginning. London,1952. 93 p. (Thrift Books 20) 463 W58

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

59927 BOUCHARD, J. Plantes nouvelles ou peu signalées pour le Département du Var (supplément au catalogue d'Albert et Jahandiez). Soc. Bot. de France. B. 99: 258-259. Oct./Dec.1952. 451 F84B

59928 HINO, I. Flora of Takesima Island (supplementary note). (In Japanese.) Yamaguti U. Facul. Agr. B. 3: 173-174. 1952. 107.6 Y14

59929 HIYAMA, K. Notes on some Japanese plants. (In Japanese.) J. Jap. Bot. 28:93-95. Mar.1953. 450 J8223
Includes Latin diagnoses of species.

59930 LI, H. L. Floristic interchanges between Formosa and the Philippines. Pacific Sci. 7:179-186. Apr. 1953. 475 P11

59931 STEWART, R. R. Plant collecting in Kashmir. Pakistan J. Sci. 4:89-93. July 1952. 475 P172

59932 STORY, R. A botanical survey of the Keiskammahoek District. Union So. Africa. Bot. Survey. Mem. 27, 184 p. 1952. 460.46 So8

Spermatophytes

59933 AIDA, F. A note on the classification of cultivated varieties in Morus. (In Japanese.) J. Sericult. Sci. Japan 21:215-222. Dec.1952. 425.9 Se6

59934 ALAIN, BROTHER. The genus Begonia in Cuba. Begonian 20:96-97. May 1953. 96.511 B39

59935 ALLEN, P. H. The orchids of Panama:annotated check-list of genera and species. IV. Orchid J. 2: 181-185. Apr.1953. 80 Or174

59936 ALTHAUSEN, H. Brazilian pleurothallids. Orchid J. 2:156-158. Apr.1953. 80 Or174

59937 BARNEBY, R. C. Pugillus Astragalorum. XV. Four new species. L. West. Bot. 7:31-38. May 13,1953. 450 L47

59938 BARRY, D. Bromeliads in a Mexican desert. Bromeliad Soc. B. 3:8. Jan./Apr.1953. 451 B78

59939 BENOIST, R. Deux Acanthacées africaines nouvelles. Soc. Bot. de France. B. 99:325-326. Oct./Dec. 1952. 451 F84B
New species in Barleria and Satanocrater.

59940 BERHAUT. Le genre Jussiaea au Sénégal. Soc. Bot. de France. B. 99:321-324. Ref. Oct./Dec.1952. 451 F84B

59941 BERHAUT. À propos de l'Entada manni (Oliv.) Ch. Tiss. Soc. Bot. de France. B. 99:275-276. Oct./Dec.1952. 451 F84B

59942 BERHAUT. Les Sesbania du Sénégal. Soc. Bot. de France. B. 99:297-301. Ref. Oct./Dec.1952. 451 F84B

59943 BLAKELOCK, R. A. Artemisia norvegica Fries in Scotland. Kew B. 1:173-184. Ref. 1953. 451 K51B

59944 BÖCHER, T. W. Contributions to the flora and plant geography of west Greenland. III. Vascular plants collected or observed during the botanical expedition to west Greenland 1946. Meddel. om Grønland 147(9),85 p. Ref. 1952. 502 C792

59945 BONDAR, G. Oil palms native to Brazil. (In Portuguese.) Chacaras e Quintais 87:352-354. (Cont.) Mar.15,1953. 9.2 C34

59946 BREMEKAMP, C. E. B. The African species of Oldenlandia L. sensu Hiern et K. Schumann. Nederland. Akad. van Wetensch. Afd. Natk. Verhandel. (ser.2) 48(2),297 p. 1952. 503 Am8V

59947 BRENAN, J. P. M. Notes on African Onagraceae and Trapaceae. Kew B. 1:163-172. 1953. 451 K51B
Includes new species in Jussiaea.

59948 BRUSSELS. JARDIN BOTANIQUE DE L'ÉTAT. Flore générale de Belgique. Spermatophytes, v. 1, pt. 2, par A. Lawalrée. Bruxelles,1953. p.171-349. 459.4 B83Fs

59949 BULLOCK, A. A. Notes on African Asclepiadaceae. II. Kew B. 1:51-67. 1953. 451 K51B
Includes new species in Stathmostelma and Raphionacme.

59950 BURCK, O. Unsere erlen. Nat. u Volk 83:39-43. Feb.1,1953. 509 F856

59951 CAVACO, A. Aerva de Madagascar (Amarantacées). Soc. Bot. de France. B. 99:252-254. Oct./Dec. 1952. 451 F84B

59952 CAVACO, A. Lagrezia de Madagascar et des Comores (Amaranthaceae). Mus. Natl. d'Hist. Nat. B. (ser.2)24:485-488. Oct.1952. 410.9 P213

59953 CHOUDHURY, B. H. The Gramineae of East Pakistan. Pakistan J. Forestry 3:21-38. Ref. Jan.1953. 99.8 P17

59954 CORE, E. L., and DAVIS, H. A. New plant records for West Virginia. Castanea 18:31. Mar.1953. 450 So82
Clematis albicoma, Rosa acicularis and Oenothera argillicola var. pubescens.

59955 CORRELL, D. S. Native American Lady's slippers [Cypripedium]. Orchid J. 2:145-151. Apr.1953. 80 Or174
Notes adapted from his book Native Orchids of North America.

59956 CRONQUIST, A. Notes on specimens of American plants in European herbaria. L. West. Bot. 7:17-31. May 13,1953. 450 L47
Chiefly Compositae, including Cirsium brevistylum n. sp.

59957 CURTIS, J. T., and GREENE, H. C. Population changes in some native orchids of southern Wisconsin, especially in the University of Wisconsin Arboretum. Orchid J. 2:152-155. Apr.1953. 80 Or174

59958 DAVIS, H. A., and DAVIS, T. The genus Rubus in West Virginia. Castanea 18:1-31. Mar.1953. 450 So82
Includes new species.

59959 DAVIS, H. A., and DAVIS, T. The genus Rubus in West Virginia. W. Va. U. Herb. Contrib. 66,31 p. n.d. 451 W523
Includes new species.

59960 DAVIS, G. L. Revision of the genus Calotis R.Br. Linn. Soc. N. S. Wales. Proc. 77:146-188. Ref. 1952. 514 Sy2

59961 DE VOS, M. P. New and little-known species of Romulea from rye fields. (In Afrikaans.) Stellenbosch. U. Ann. (ser.A)28:59-80. 1952,pub.Feb.9,1953. 515 St3

59962 DE WOLFE, G. P. The genus Lycaste. Amer. Orchid Soc. B. 22:334-338. May 1953. 80 Am329

59963 DÖRRENHAUS, F. Rosskastanien [Aesculus hippocastanum] am Nordpol? Orion 8:364-367. May 1953. 474 Or4

59964 DUCHAIGNE, A., and CHALARD, A. DU. Contribution à l'étude du Polyosma aulacocarpa Gagnepain (nouvelle Saxifragacée indochinoise). Soc. Bot. de France. B. 99:278-281. Oct./Dec.1952. 451 F84B

59965 DUMAZ-LE-GRAND, N. Contribution à l'étude des légumineuses de Madagascar. IV. Les genres Xanthocercis H. Bn. et Pseudocadia Harms. Soc. Bot. de France. B. 99:313-315. Oct./Dec.1952. 451 F84B

59966 EBERLE, G. Felsenbirne und felsenmispel. Nat. u. Volk 82:325-331. Oct.1,1952. 509 F856
Amelanchier ovalis and Cotoneaster integerrima.

59967 EBERLE, G. Sterndolden [Astrantia]. Nat. u. Volk 82:183-187. June 1,1952. 509 F856

59968 EBERLE, G. Das zwerggras (Mibora minima). Nat. u. Volk 83:33-39. Feb.1,1953. 509 F856

59969 EGGLER, J. Pflanzendecke des Schöckels. Graz,Steierm. Landesdruckerei,1952. 77 p. 463.89 Eg3

59970 EXELL, A. W., and MENDONÇA, F. A. New plants for the flora of Angola. II-III. (In Portuguese.) Soc. Broteriana. B. (ser.2)26:221-264,277-282. 1952. 451 C66
Includes new species in Maytenus, Hippocratea, Salacia, Cissus, Placodiscus, Santaloides, Connarus, Sorindeia, Trichoscypha, and Lannea.

59971 EXELL, A. W., and HILLCOAT, D. A new species of Delphinium from Bhutan. Roy. Hort. Soc. J. 78: 181-185. May 1953. 84 L84J

59972 FERNANDES, A., and FERNANDES, R. A new species of the genus Thymelaea Endl. (In Portuguese.) Soc. Broteriana. B. (ser.2)26:265-276. 1952. 451 C66

59973 FOURNIER, P. L'histoire ancienne de la Colocase. Soc. Bot. de France. B. 99:263-264. Oct./Dec. 1952. 451 F84B

59974 GOULD, F. W. A cytotaxonomic study in the genus Andropogon. Amer. J. Bot. 40:297-306. Ref. May 1953. 450 Am36

59975 GRAF, H. G. Auf orchideensche auf den Pico Niaguata. Orchidee 4:5-6. Jan./Mar.1953. 85 Or1

59976 GRIGSON, G. Ancient woods of box. Country Life [London] 113:1240-1241. Apr.23,1953. 80 C83
Buxus.

59977 GUILLAUMIN, A. Plantes nouvelles, rares ou critiques des serres du Muséum. 123. Liparis pulverulenta Guillaum. sp. nov. Mus. Natl. d'Hist. Nat. B. (ser.2) 24:477. Oct.1952. 410.9 P213

59978 HANDA, K. L., and others. A note on Indian Artemisia. Indian J. Pharm. 15:43-45. 1953. 396.8 In23
L. D. Kapoor, I. C. Chopra, and V. S. Prabhakar, joint authors.

59979 HARA, H. Japanese species of Murdannia. (In Japanese.) J. Jap. Bot. 28:63-64. Feb.1953. 450 J8223
English summary.

59980 HARA, H. A new species of Allium from Is. Shôdo-shima in western Japan. (In Japanese.) J. Jap. Bot. 28:62-63. Feb.1953. 450 J8223
Includes Latin diagnosis of A. togashii n. sp.

59981 HARA, H. Vaccinium uliginosum L. in Japan, with reference to variations in widespread northern species. 2. (In Japanese.) J. Jap. Bot. 28:83-92. Ref. Mar.1953. 450 J8223
English summary.

59982 HATCH, E. D. Further notes on Pterostylis R. Brown and Thelymitra J. R. and G. Forster. Roy. Soc. New Zeal. Trans. 80:323-327. Feb.1953. 514 W46

59983 HATCH, E. D. Name changes in the Orchidaceae consequent upon amendments to the International Rules. Roy. Soc. New Zeal. Trans. 80:403-404. Feb. 1953. 514 W46

59984 HATCH, E. D. Orchids underground. New Zeal. Sci. Rev. 10:200-202. Dec.1952. 475 N48

59985 HAWKES, A. D. The genera and species of cultivated orchids. II. Orchid J. 2:176-180. Apr. 1953. 80 Or174

59986 HIROTA, N. Observations sur des Camphriers asiatiques. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 158-164. Mar./Apr.1953. 26 R323

59987 HOGENDIJK, T. R. Twente's horsetails. (In Dutch.) Natura 50:13-19. Mar./Apr.1953. 410 N2192
Equisetum.

59988 HOWELL, J. T. Navarretia heterandra in Oregon. L. West. Bot. 7:40. May 13,1953. 450 L47

59989 JAY, B. A. Conifers in Britain; an illustrated guide to identification. London,Black,1952. 47 p. 99.47 J33

59990 KEAY, R. W. J. Revision of the "Flora of West Tropical Africa." III. Kew B. 1:69-82. 1953. 451 K51B
Includes new species in Monocyclanthus n.g., Epinetrum, Syrrheonema, Gymnorinorea n.g., Polygala, and Homalium.

59991 KEAY, R. W. J. Rhizophora in West Africa. Kew B. 1:121-127. 1953. 451 K51B

59992 KRISHNASWAMY, N., and RAMAN, V. S. A note on Sorghum nitidum, (Vahl) Pers. Madras Agr. J. 40:115. Mar.1953. 22 M262

59993 KUSAKA, M. New or noteworthy trees and shrubs of Japan. II. (In Japanese.) Rin-Go-Shiken-Hokoku 58:43-48. Mar.1953. 99.8 R47
English summary.

59994 LAWRENCE, G. H. M. A reclassification of the genus Iris. Gentes Herb. 8:346-371. Apr.1953. 450 B15

59995 LI, H. L. Critical notes on the genus Symplocos in Formosa. Wash. Acad. Sci. J. 43:107-109. Apr. 1953. 500 W276J

59996 LISTER, G. G. Trees of Egypt. Trees 16:154-156. Spring 1953. 99.8 T714

59997 LÖVE, D. Cytotaxonomical remarks on the Gentianaceae. Hereditas 39:225-235. Ref. 1953. 442.8 H42

59998 MACLEOD, R. D. Key to the names of British plants. London,Pitman,1952. 94 p. 458 M22

59999 MARSDEN-JONES, E. M. A new colour variety in Anagallis arvensis L. Kew B. 1:50. 1953. 451 K51B

60000 MEIKLE, R. D. New species from Angola of Rhus and Heeria. (In Portuguese.) Soc. Broteriana. B. (ser.2)26:283-289. 1952. 451 C66

60001 MIZUSHIMA, M. Occurrence of Stellaria calycantha Bong. in Japan. J. Jap. Bot. 28:44-50. Feb.1953. 450 J8223

60002 MOORE, H. E. Exotic palms in the Western World. Gentes Herb. 8:295-315. Apr.1953. 450 B15

60003 MOORE, H. E. The genus Milla (Amaryllidaceae-Allieae) and its allies. Gentes Herb. 8:263-294. Apr.1953. 450 B15
Includes new species in Milla and a new combination in Dandya n.g.

60004 MORAN, R. Taxonomic studies in the Cactaceae. I-II. Gentes Herb. 8:316-345. Ref. Apr.1953. 450 B15
I, Problems in classification and nomenclature; II, Notes on Schlumbergera, Rhipsalidopsis, and allied genera.

60005 NAYLOR, M. The New Zealand species of Durvillea. Roy. Soc. New Zeal. Trans. 80:277-297. Ref. Feb.1953. 514 W46

60006 NOTHDURFT, H. Die violette sumpfwurz [Epipactis sessilifolia]. Nat. u. Volk 82:269-272. Aug.1, 1952. 509 F856

60007 PLATT, R. H. A pocket guide to the trees. New York,1953. 256 p. (Pocket Books, C-93) 99.3 P692P
Originally published under the title: American trees.

60008 POIRION, L. Aethionema ovalifolium Boiss., plante nouvelle pour les Alpes. Soc. Bot. de France. B. 99:272. Oct./Dec.1952. 451 F84B

60009 POTTIER-ALAPETITE, G. Deux plantes nouvelles pour l'Afrique. Soc. Bot. de France. B. 99:250-252. Oct./Dec.1952. 451 F84B
Cardamine graeca and Carex pallescens.

60010 QUEZEL, P. Description d'une espèce nouvelle de Romulea, Romulea vaillanti nov. sp. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:184-185. Oct./Dec.1952. 410.9 So125

60011 RAPSON, L. J. Vegetative anatomy in Donatia, Phyllachne, Forstera and Oreostylidium and its taxonomic significance. Roy. Soc. New Zeal. Trans. 80:399-402. Ref. Feb.1953. 514 W46

60012 RIZZINI, C. T. Phthirusae brasiliae terrarumque adiacentium. Dusenia 3:451-462. Nov.30,1952. 410 D94

60013 SCHICK-FREIBURG, C. Gymnocalycium tobuscianum Schick spec. nov. Cactus & Succulent J. Gt. Brit. 15:44. Apr.1953. 450 C113

60014 SCHWAIGHOFER, A. Pflanzen der heimat; tabellen zur bestimmung einheimischer samenpflanzen und gefässsporenpflanzen. Ed. 40. Wien,Hölder-Pichler-Tempsky,1952. 266 p. 459.7 Sch9

60015 SCHWEINFURTH, C. Studies on Peruvian Pleurothallis. Harvard U. Bot. Mus. L. 16:45-56. May 15,1953. 451 H262
Includes new species.

60016 SHIROSAKI, Y. Home of Corylopsis pauciflora in Ishikawa Pref. (In Japanese.) J. Jap. Bot. 28:95. Mar.1953. 450 J8223

60017 SMITH, H. R. A new site for Parochetus communis. Roy. Hort. Soc. J. 78:180. May 1953. 84 L84J
Ol Doinyo Orok (the Black Mountain) near Kilimanjaro, Kenya.

60018 STEERE, W. C. The systematic position of Bryobrittonia. Amer. J. Bot. 40:354-358. Ref. May 1953. 450 Am36

60019 SUMMERHAYES, V. S. African orchids. XXI. Kew B. 1:129-162. 1953. 451 K51B
Includes new species in Habenaria, Liparis, Polystachya, Stolzia, and Bulbophyllum.

60020 TISCHER, A. Ophthalmophyllum Dtr. et Schwant. Cactus & Succulent J. Gt. Brit. 15:32-34. (Cont.) Apr.1953. 450 C113

60021 TISSERANT, C. Le Piptadenia mannii Oliver (Légumineuse. Mimosée). Soc. Bot. de France. B. 99:257-258. Oct./Dec.1952. 451 F84B

60022 TISSERANT, C., and SILLANS, R. Sur quelques Flacourtiacées de l'Oubangui-Chari. Soc. Bot. de France. B. 99:285-286. Oct./Dec.1952. 451 F84B

60023 TOURNAY, R., and LAWALRÉE, A. Une classification nouvelle des familles appartenant aux ordres des Ligustrales et des Contortées. Soc. Bot. de France. B. 99:262-263. Oct./Dec.1952. 451 F84B

60024 TOYODA, K. On the distribution of Cudrania tricuspidata Bureau. (In Japanese.) J. Jap. Bot. 28:61. Feb.1953. 450 J8223

60025 TROPICAL African plants. XXIII. Kew B. 1: 83-120. 1953. 451 K51B
Contributions by various authors.
Includes new species in Adinandra, Primularia n.g., Phyllanthus, Aeschynomene, Maytenus, Rhus, Tricalysia, Neopentanisia n.g., Vernonia, Sesamum, and Chlorophytum.

60026 TURRILL, W. B., and MILNE-REDHEAD, E., ed. Flora of tropical East Africa. London,Crown Agents Colonies,1952. 4 v. 460.44 T86

60027 UITEWAAL, A. J. A. Haworthia angustifolia var. liliputana. (In Dutch.) Succulenta 3:43. May/June 1953. 450 Su12

60028 VELEZ, I. Does Spanish moss [Tillandsia] grow on telephone lines? Turtox News 31:92-93. May 1953. 442.8 T86

60029 WALKER, A. Le baobab [Adansonia digitata] au Gabon. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:174-175. Mar./Apr.1953. 26 R323

60030 WEBBER, J. M. Yuccas of the Southwest. U. S. D. A. Agr. Monog. 17,97 p. Ref. 1953. 1 Ag84Am

60031 YAMAZAKI, T. Critical notes on some Scrophulariaceae from Indo-China. J. Jap. Bot. 28:33-43. Feb.1953. 450 J8223
Includes new species in Vandellia and Trichotaenia, n. g.

Pteridophytes

60032 BANGE, C. Nomenclature de quelques genres de fougères. I. Dryopteris. Soc. Bot. de France. B. 99: 290-293. Ref. Oct./Dec.1952. 451 F84B

60033 DHIEN, R. Une rare variation du Lycopodium calvatum L. Soc. Bot. de France. B. 99:284-285. Oct./Dec.1952. 451 F84B

60034 HARPER A. R. Ferns of Ohio. I. Ohio Conserv. B. 17(5):12-13,31. May 1953. 279.9 Oh330

60035 JOHNSON, MRS. W. K. Ferns. Gard. Club Amer. B. 41(3):32-39. May 1953. 90.32 G16

60036 KURATA, S. The northermost habitat of Dennstaedtia scabra Moore (Iwafune-gun, Prov. Echigo) in Japan. (In Japanese.) J. Jap. Bot. 28:64. Feb.1953. 450 J8223

60037 PANNIER, F. Observaciones sobre la distribución de Pteridofitas venezolanas con relación a la altura sobre el nivel del mar. Acta Cient. Venezol. 3:172-178. Sept./Oct.1952. 475 Ac83
English summary.

60038 SCHLOEMER, A. Ein verwilderter wasserfarn, Azolla filiculoides. Nat. u. Volk 83:131-134. Apr.1, 1953. 509 F856

60039 SENAY, P. Découverte de l'Asplenium viride Huds. dans le Seine-Inférieure. Soc. Bot. de France. B. 99:306-308. Oct./Dec.1952. 451 F84B

Bryophytes

60040 CLAUSEN, E. Hepatics and humidity; a study of the occurrence of hepatics in the Danish tract, and the influence of relative humidity on their distribution. Dansk Bot. Arkiv 15(1),80 p. Ref. 1952. 450 D23

60041 HODGSON, E. A. New Zealand Hepaticae (liverworts). VII. A review of the New Zealand species of the genus Lophocolea with notes on Chiloscyphus. Roy. Soc. New Zeal. Trans. 80:329-358. Ref. Feb.1953. 514 W46

60042 KING, A. L. K. Bryophyte records from the Athlone district. Irish Nat. J. 11:50-51. Apr.1953. 410 Ir42

60043 KLOTS, A. B. Notes on Marchantia. Biol. Rev. 15:24-26. Mar.1953. 442.8 B5225

60044 NOGUCHI, A. Notes on Japanese Musci. 14. (In Japanese.) J. Jap. Bot. 28:76-82. Mar.1953. 450 J8223
Includes Latin diagnoses of species.

60045 POTIER DE LA VARDE, R. Petite contribution à la flore bryologique de Fernando-Poo. Inst. Franç. d'Afrique Noire. B. 15:483-486. Apr.1953. 515 D14

60046 SAKURAI, K. Reports of some interesting mosses in Japan. 4. J. Jap. Bot. 28:56-61. Feb.1953. 450 J8223
Includes new species in Physcomitrium, Warburgiella and Entodon.

60047 TAYLOR, J. An interesting form of Frullania tamarisci (L.) Dum. Kew B. 1:189-190. 1953. 451 K51B

Algae

60048 BOCK, O., and BOCK, W. Das phytoplankton des Freigerichtsees und des Langen Sees bei Kahl am Main. Aschaffenburg. Natwiss. Mus. Nachr. 38:1-106. Ref. Feb.1953. 409.6 As2

60049 BOURRELLY, P. Initiation pratique à la systématique des algues d'eau douce. III. B. de Micros. Appl. (ser.2)3:12-21. Jan./Feb.1953. 440.9 So1

60050 CORILLION, R. Chara galioides DC., ses localités françaises et leur répartition géographique. Soc. Bot. de France. B. 99:318-320. Oct./Dec.1952. 451 F84B

60051 DELLOW, V. The genus Codium in New Zealand. II. Roy. Soc. New Zeal. Trans. 80:237-243. Ref. Feb.1953. 514 W46

60052 GRÖNBLAD, R. Desmids from west Greenland collected by Tyge W. Böcher. Meddel. om Grønland 147 (8),25 p. Ref. 1952. 502 C792

60053 GRØNTVED, J. Investigations on the phytoplankton in the southern North Sea in May 1947. Denmark Komm. f. Fiskeri- og Havundersøg. Meddel. Ser. Plankton 5(5),49 p. Ref. 1952. 411 D41

60054 MAGNE, F. La méiose chez le Sporochnus pedunculatus C. A. Agardh (Sporochnale, Phéophycée). Acad. des Sci. Compt. Rend. 236:1596-1598. Apr.20,1953. 505 P21

60055 MORALES, E., and others. Plancton recogido por los laboratorios costeros. IV-V. Spain. Inst. de Biol. Apl. P. 10:67-79,133-143. Ref. 1952. 442.9 Sp13
IV, Fitoplancton de Blanes durante los meses de julio de 1950 a julio de 1951, by E. Morales; V, Fitoplancton de las costas de Castellón durante el año 1951, by R. Margalef, F. Sáiz, J. Rodriguez-Roda, R. Toll, and J. M. Vallés.
Part V has English summary.

60056 RAMPI, L. Studies on the phytoplankton of the Ligurian Sea. (In Italian.) Accad. Ligure di Sci. e Let. Atti 8:243-292. Ref. 1952. 507 G285
French summary.

60057 SCHOTTER, G. Note sur le Gymnogongrus nicaeensis (Dub.) Ardiss. et Straff. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:203-210. Ref. Oct./Dec.1952. 410.9 So125

60058 SILVA, H. Checklist of Tennessee diatoms to 1951. Reelfoot Lake Biol. Sta. Rpt. 17:69-80,85. Jan. 1953. 442.9 R25

60059 TCHAN, Y. T. Study of soil algae. I. Fluorescence microscopy for the study of soil algae. Linn. Soc. N. S. Wales. Proc. 77:265-269. Ref. 1952,pub.Jan.20, 1953. 514 Sy2

60060 TRANSEAU, E. N. The Zygnemataceae. Ohio. State U. Contrib. Bot. 1,327 p. 1951. 451 Oh3C

Fungi (Including Lichens)

60061 ASAHINA, Y. Lichenes Japoniae novae vel minus cognitae. 10. J. Jap. Bot. 28:65-68. Mar.1953. 450 J8223
Includes new species in Parmelia.

60062 BREMER, H., and others. Beiträge zur kenntnis der parasitischen pilze der Türkei. Istanbul. U. Fen Fakül. Mecmuası. Ser. B, Tabif Ilimler 17:277-288. Oct. 1952. 475 Is7
G. Karel, K. Bıyıkoğlu, N. Göksel, and F. Petrak, joint authors.

60063 BRÜLLAU, M. Das pilzbüchlein. Hamburg, Handwerk und Technik,1952? 32 p. 462.5 B83

60064 CUNNINGHAM, G. H. Revision of Australian and New Zealand species of Thelephoraceae and Hydnaceae in the herbarium of the Royal Botanic Gardens, Kew. Linn. Soc. N. S. Wales. Proc. 77:275-299. Ref. 1952,pub. Jan.20,1953. 514 Sy2

60065 DENNIS, R. W. G. New species of Dictyonia and Coccomyces. Kew B. 1:49-50. 1953. 451 K51B
Dicytonia lophirae and Coccomyces cocoes.

60066 DENNIS, R. W. G. Some pleurotoid fungi from the West Indies. Kew B. 1:31-45. 1953. 451 K51B
Includes Marasmiella laschiopsis n. sp.

60067 FISCHER, G. W., and SHAW, C. G. A proposed species concept in the smut fungi, with application to North American species. Phytopathology 43:181-188. Ref. Apr.1953. 464.8 P56

60068 GORDON, M. A., and CUPP, H. B. Detection of Histoplasma capsulatum and other fungus spores in the environment by means of the membrane filter. Mycologia 45:241-252. Ref. Mar./Apr.1953. 450 M99

60069 GOTO, K. Sclerotium rolfsii Sacc. in perfect stage. VII. Germination of basidiospores. Phytopath. Soc. Japan. Ann. 16:132-136. Ref. Sept.1952. 464.9 P562

60070 HAWKSWORTH, F. G. The pycnial stage of Cronartium filamentosum. Plant Dis. Rptr. 37:246. Apr.15,1953. 1.9 P69P

60071 HONGO, T. Larger fungi of the provinces of Omi and Yamashiro. 4. J. Jap. Bot. 28:69-75. Mar.1953. 450 J8223
Latin and English descriptions.
Includes new species in Amanita and Leucocoprinus.

60072 KARLING, J. S. Micromyces and Synchytrium. Mycologia 45:276-287. Ref. Mar./Apr.1953. 450 M99

60073 KORF, R. P. The new rules of typification as they affect Sarcoscypha and Velutaria. Mycologia 45:296-301. Ref. Mar./Apr.1953. 450 M99

60074 KUROKAWA, S. Acroscyphus sphaerophoroides Lév. occurs in Hondo, Japan. (In Japanese.) J. Jap. Bot. 28:96. Mar.1953. 450 J8223
English summary.

60075 LATTER, B. D. H. Australian clover rusts. Linn. Soc. N. S. Wales. Proc. 77:337-356. Ref. 1952,pub. Jan.20,1953. 514 Sy2

60076 LINGAPPA, B. T. Some new species of Synchytrium from Banaras. Mycologia 45:288-295. Mar./Apr. 1953. 450 M99

60077 MANGENOT, F. Étude de quelques Hyaloscyphacées en culture pure. Rev. Gen. de Bot. 60:174-188. Mar.1953. 450 R326

60078 MUNK, A. The system of the Pyrenomycetes; a contribution to a natural classification of the group Sphaeriales sensu Lindau. Dansk Bot. Arkiv 15(2),163 p. Ref. 1953. 450 D23

60079 PARK, J. Y., and SPRAGUE, R. Studies on some Selenophoma species on Gramineae. Mycologia 45: 260-275. Ref. Mar./Apr.1953. 450 M99

60080 PETRAK, F. Beiträge zur pilzflora von Florida. Sydowia 6:399-406. 1952. 450 Sy2
Includes new species in Amphididymella, Diaporthe, Dimerina, Nematostoma, Rhynchosphaeria, Hendersonia, Phomopsis and Chaetotrichum.

60081 PETRAK, F. Ein beitrag zur pilzflora von Hawai. Sydowia 6:363-371. 1952. 450 Sy2
Includes new species in Ceriospora, Cryptosphaerella, Diaporthe, Echidnodes, Glomerella, Oxydothis, Peltosphaeria, Rhynchosphawria, Thyridaria and Vialaea.

60082 PETRAK, F., and DEIGHTON, F. C. Beiträge zur pilzflora von Sierra Leone. Sydowia 6:309-322. 1952. 450 Sy2
Includes new species in Anthostomella, Entosordaria, Leptomassaria, Leptosphaeria, Linocarpon, Metasphaeria, Oxydothis, Parodiopsis, Penzigia, Phaeobotryosphaeria, Phyllachora, Sarcoxylon, Thridaria, Valsaria and Diedickea.

60083 PETRAK, F. Biciliospora n. gen. eine neue gattung der Sphaeriales. Sydowia 6:429-432. 1952. 450 Sy2

60084 PETRAK, F. Ergebnisse einer revision der grundtypen verschiedener gattungen der Askomyzeten und Fungi imperfecti. III. Sydowia 6:336-343. 1952. 450 Sy2

60085 PETRAK, F. Fungi beltsvillenses. Sydowia 6: 352-360. (Cont.) 1952. 450 Sy2
Includes new species in Coniochaeta, Karstenula, Kirschsteiniella, Leptomassaria, Massarina, Peltosphaeria, Didymosporium and Microdiplodia.

60086 PETRAK, F. Über die gattungen Gaeumannomyces v. Arx et Olivier, Halophiobolus Linder und Linocarpon Syd. Sydowia 6:383-388. 1952. 450 Sy2

60087 PETRAK, F. Über die gattungen Scortechinia Sacc. und Teratonema Syd. Sydowia 6:396-398. 1952. 450 Sy2

60088 PETRAK, F. Zwei neue gattungen der Parasphaeropsideen. Sydowia 6:372-377. 1952. 450 Sy2
Robakia and Dichaenopselia.

60089 RAMAKRISHNAN, T. S., SRINIVASAN, K. V., and SUNDARAM, N. V. Additions to fungi of Madras. XIV. Indian Acad. Sci. Proc. Sect. B 37:83-95. Mar. 1953. 513 In25B
Includes new species in Didymosphaeria, Guignardia, Hypoderma, Mycosphaerella, Aecidium, Puccinia, Asteroconium, Stilbospora and Cercospora.

60090 REID, D. A. Bovistella radicata (Mont.) Pat. a Gasteromycete new to Britain. Kew B. 1:47-48. 1953. 451 K51B

60091 RICHTER, H., and SCHNEIDER, R. Untersuchungen zur morphologischen und biologischen differenzierung von Rhizoctonia solani K. Phytopath. Z. 20: 167-226. Ref. Jan.1953. 464.8 P562

60092 ROBAK, H. Dothichiza pithyophila (Cda.) Petr. the pycnidial stage of a mycelium of the type Pullularia pullulans (de B.) Berkhout. Sydowia 6:361-362. 1952. 450 Sy2

60093 ROGERS, D. P. Disposition of nomina generica conservanda proposita for fungi. Mycologia 45:312-322. Mar./Apr.1953. 450 M99

60094 ROSINSKI, M. A. Two types of spore germination in Sarcoscypha coccinea (Scop. ex Fr.) Lambotte. Mycologia 45:302-306. Mar./Apr.1953. 450 M99

60095 SHAW, D. E. Ropy smut of Liverpool Plains grass [Stipa aristiglumis]. Linn. Soc. N. S. Wales. Proc. 77:142-145. 1952. 514 Sy2
Tolyposporium restifaciens n. sp.

60096 SINGER, R. Type studies on Basidiomycetes. VII. Sydowia 6:344-351. 1952. 450 Sy2

60097 SPARROW, F. K. A contribution to our knowledge of the Phycomycetes of Cuba. III. Soc. Cubana de Bot. Rev. 9:104-108. Ref. Oct./Dec.1952. 451 So123

60098 SUBRAMANIAN, C. V. Fungi imperfecti from Madras. IV. Indian Acad. Sci. Proc. Sect. B 37:96-105. Mar.1953. 513 In25B
Includes new species in Lacellinopsis n. g.

60099 SUBRAMANIAN, C. V., and RAMAKRISHNAN, K. Petrakomyces, a new genus of the Sphaeropsidales. Indian Acad. Sci. Proc. Sect. B 37:110-113. Mar.1953. 513 In25B

60100 THIRUMALACHAR, M. J., and PAVGI, M. S. Notes on some Indian Ustilagineae. V. Sydowia 6:389-395. 1952. 450 Sy2
Includes new species in Narasinhania n. g., Tilletia and Sphacelotheca.

60101 THIRUMALACHAR, M. J., and NARASIMHAN, M. J. Zundelula, a new genus of smuts. Sydowia 6:407-411. 1952. 450 Sy2

60102 TREJOS, A. Evidence for synonymy of Torula bergeri and Phialophora jeanselmei. Mycologia 45:253-259. Ref. Mar./Apr.1953. 450 M99

60103 WATERHOUSE, W. L. A note on the occurrence of an undescribed rust on Cryptostemma calendulaceum (L.) R. Br. Linn. Soc. N. S. Wales. Proc. 77:264. 1952,pub.Jan.20,1953. 514 Sy2
Aecidium cryptostemmatis name proposed.

60104 WATERHOUSE, W. L. A note on an unusual spore form in Puccinia malvacearum Bert. Linn. Soc. N. S. Wales. Proc. 77:263. 1952,pub.Jan.20,1953. 514 Sy2

60105 WAWRIK, F. Planctomyces-studien. Sydowia 6:443-452. 1952. 450 Sy2
Includes new species.

60106 WEHMEYER, L. E. Some Fungi Imperfecti from Mt. Rainier National Park. Sydowia 6:433-442. Ref. 1952. 450 Sy2
Includes new species in Leptothyrella, Phoma, Platycarpium, Siroscyphellina and Stigmopeltis.

60107 WEHMEYER, L. E. Some pyrenomycetous fungi from Mt. Rainier National Park. Sydowia 6:412-428. Ref. 1952. 450 Sy2
Includes new species in Eriosphaeria.

60108 WOLF, F. T. Some fungi from central Tennessee. Reelfoot Lake Biol. Sta. Rpt. 17:8-19. Ref. Jan. 1953. 442.9 R25

60109 YAMAMOTO, M. Miscellaneous notes on fungi collected in Oze District. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:69-71. May 1952. 464.9 P562
English summary.

PATHOLOGY

General

60110 AHMED, D. Plant protection & agricultural extension in thirty years. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Atl'l-'Iraqiyah 8:351-366. Apr./June 1953. 22.5 Ir1
English summary, p. 7.
Iraq.

60111 AL-A'DHAMI, A. R. I. Plant diseases in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Atl'l-'Iraqiyah 8:469-475. Apr./June 1953. 22.5 Ir1
English summary, p. 13.

60112 ALEXANDER, L. J., and HOOVER, M. M. Progress report of National Screening Committee for Disease Resistance in the Tomato for 1952. (Sum.) Plant Dis. Rptr. 37:317-324. May 15,1953. 1.9 P69P

60113 ANDRUS, C. F. Evaluation and use of disease resistance by vegetable breeders. Plant Dis. Rptr. 37: 206-215. Ref. Apr.15,1953. 1.9 P69P

60114 ARAUJO, H. B. DE. Control of slugs. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:363-366. Oct./Dec.1952. 9.2 R325

60115 ATHOW, K. L., and PROBST, A. H. Indiana soybean disease survey 1952. Ind. Agr. Expt. Sta. Mimeo BP-52,8 p. Aug.1952. 100 In2B

60116 ATKINS, R. E., and REDDY, C. S. Response of flax varieties to seed treatment. Plant Dis. Rptr. 37:230-231. Apr.15,1953. 1.9 P69P

60117 BENDER, E. Brauchen wir einen pflanzenschutz-warndienst? Bauern-Ztg. 6(15):6,8. Apr.17, 1953. 18 B324
Germany.

60118 BIRON, R. Maladies et ennemis du Chrysanthème. B. Hort. (n.s.)8:110,113. (Cont.) Apr.1,1953. 80 B873

60119 BLAIR, I. D., and COPP, L. G. Pea seed disinfection: a statistical study. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:397-404. Ref. Feb.1953. 514 N48A

60120 BÖHM, H. Schädlingsbekämpfung ist auch im strassenbau notwendig! Pflanzenarzt 6(4):8-9. Apr.1, 1953. 464.9 P482

60121 BOUFFIL, F., and JAUBERT, P. Une affection nouvelle des fruits de l'arachide,la maladie des "gousses vides." Oléagineux 8:273-281. May 1953. 77.8 OL2

60122 BOYCE, H. R., and MCKEEN, C. D. Greenhouse crops; how fungicides and insecticides keep them healthy. Agr. Inst. Rev. 8(2):36-38. Mar./Apr.1953. 7 Ag8

60123 BURKE, O. D. Prevent vegetable diseases in the home garden. Pa. State Col. Agr. Ext. L. 157,6 p. Mar.1953. 275.29 P38L

60124 CAIRASCHI, E. A. Pflanzenschutzchronik im frühjahr 1953. Bas-Rhin Agr. 8:186. (Cont.) Apr.18, 1953. 14 B29

60125 CAMPRAG, D. Destruction of some enemies of sugar beet in spring. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):6-10. Mar.1953. 21.5 V87
Yugoslavia.

60126 CHALTIN, G. Les parasites de la laitue. Cour. Hort. 15:153-155. Mar.1953. 80 C834

60127 CHALTIN, G. Les parasites du fraisier. Cour. Hort. 15:200-202. Apr.1953. 80 C834

60128 CLOTHIER, B. Is your grain going down a rathole? Successful Farming 51(5):75-76. May 1953. 6 Su12

60129 CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Materials for fruit insect and disease control, 1953, by W. D. Tunis. Storrs, 1953, 3 p. 275.2 C76Mat

60130 COTTON DISEASE COUNCIL. Cotton diseases, how to recognize and control them. Acco Press 31(5):7-14. May 1953. 6 Ac2

60131 COTTON DISEASE COUNCIL. Cotton diseases; how to recognize and control them. Cotton Gin & Oil Mill Press 54(9):28-34. Apr.25,1953. 304.8 C822
National Cotton Council, cooperating.

60132 COTTON DISEASE COUNCIL.COMMITTEE ON COTTON DISEASE LOSSES. Cotton disease losses—1952. Cotton Gin & Oil Mill Press 54(9):24-25. Apr.25,1953. 304.8 C822

60133 COX, I. Tree-disease fighters' unexpected trail. Indian Coconut J. 5:177-178. July/Sept.1952. 77.8 In2
Diseases and pests of coconuts and clove trees in Zanzibar.

60134 DARROW, G. M. Better strawberry plants ahead for Massachusetts growers. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:97-102. 1953. 81 M384
Disease resistant varieties.

60135 DILLER, H. Papierchromatographischer nachweis von metallgiften. (Abs.) Angew. Chem. 65:165-166. Mar.21,1953. 384 Z33
Sprays.

60136 DITMAN, L. P., and others. Spraying and dusting for pickles. Canning Trade 75(42):7-8. May 4, 1953. 286.83 T67
F. C. Stark, C. E. Cox, and H. S. Todd, joint authors.

60137 DROST, W. J. Control of plant diseases and pests in seed culture. (In Dutch.) Zaadbelangen 7:80-82. Apr.15,1953. 61.8 Z1
Vegetables and ornamentals.

60138 EJSING, G. Spraying the orchard. (In Danish.) Husmandshjemmet 3(15):5. Apr.14,1953. 11 H963

60139 ERNOULD, L. Les ennemis et maladies de la betterave, en Belgique, en 1952. Inst. Belge pour l'Amélior. de la Betterave. P. Tech. 20:143-172. July/Sept.1952. 66.9 In7
English summary.

60140 FABER, W. Ein geheimnisvoller ährendieb. Pflanzenarzt 6(5):1-3. May 1,1953. 464.9 P482
Mice injuring wheat.

60141 FABIANI, L. Agronomic considerations on the evaluation of damage by hail to corn. (In Italian.) Humus 2:14-16. Feb.1953. 16 H88
English summary, p. 4.

60142 FINK, H. C. Topple, a new disease of Gladiolus in western North Carolina. Plant Dis. Rptr. 37:285-286. May 15,1953. 1.9 P69P

60143 FJELDDALEN, J., and RAMSFJELL, T. Sprøyteplaner for frukttraer og baervekster [Spraying plans for fruit and berries]. Norway. Stat. Plantevern. Flygeskr. 48,7 p. Mar.1953. 86 N83F
Control of pests and diseases.

60144 FLORIDA. STATE PLANT BOARD. Nineteenth biennial report for the period July 1, 1950-June 30, 1952. Gainesville,1953. 464.9 F662R

60145 FRANSSEN, C. J. H. Voorzorgsmaatregelen tegen ziekten en plagen bij de katoencultuur in Indonesië [Precautionary measures against pests and diseases in cotton cultivation in Indonesia]. Indonesia. Gen. Agr. Res. Sta. Contrib. 133,18 p. Nov.1952. 109.5 Ea73
English summary

60146 FRASELLE, J. V. Inspection phytosanitaire de quelques palmeraies du Mayumbe. Belgium. Min. des Colon. B. Agr. du Congo Belge 44:75-90. Feb.1953. 24 K83

60147 FRASELLE, J. V. La sélection des plantes pour leur résistance aux maladies. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 2:1-4. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb. 1953. 24 K83

60148 FRIEDERICK, J. C. Control of diseases, pests, and weeds in flax culture. (In Dutch.) Landbode 7(14):16. Apr.2,1953. 12 L234

60149 GASIORKIEWICZ, E. C. Common carnation stem diseases and control. Carnation Chats 1(10):2-3. May 5,1953. 80 C212

60150 GLASS, E. H., and others. How shall we apply orchard sprays? Farm Res. [N. Y. Sta.] 19(2):14-15. Apr.1953. 100 N48A
J. M. Hamilton, S. E. Lienk, and M. Szkolnik, joint authors.

60151 GOTO, K., and TAGAMI, Y. Varietal susceptibility of sweetpotatoes to black rot and its mechanism. I. (In Japanese.) Phytopath. Soc. Japan. Ann. 17:16-20. Ref. Dec.1952. 464.9 P562
Cause not given.

60152 GROENEWEGEN, J. H. Wilt of melons. (In Dutch.) Groenten en Fruit 8:854-855. Apr.30,1953. 80 G89

60153 GROSSBARD, E. New hope for disease control. Horticulture 31:213,227. May 1953. 80 H787

60154 GUBA, E. F. The fruit disease situation in 1951. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58: 103-105. 1952. 81 M384

60155 HAHMANN, K., and MÜLLER, H. W. K. Holzschädiger im hause. Gesunde Pflanzen 5:102-104. May 1953. 464.8 G33

60156 HAINSWORTH, E. Tea pests and diseases and their control; with special reference to north east India. Cambridge,Heffer,1952. 130 p. 464.4 H12

60157 HALL, L. T. Cavitomic cotton. Cotton Spinner-Breeder Conf. [Proc.] 9:16-24. 1952. 72.9 C765
Storage deterioration due to bacteria and fungi.

60158 HANF, M. Pflanzenschutz im bauerngarten. R. der Landfrau 16:127-129. Apr.16,1953. 18 L2347
Disease and pest control of fruit and vegetables in Germany.

60159 HEILMANN, E. Aus der geschichte des pflanzenschutzes. Gesunde Pflanzen 5:81-83. (Cont.) Apr. 1953. 464.8 G33

60160 HEILMANN, E. Aus der geschichte des pflanzenschutzes. Gesunde Pflanzen 5:105-107. May 1953. 464.8 G33

60161 HEY, G. L. The control of minor fruit pests and diseases. Com. Grower 2992:909-910; 2993:963-964. Apr.30-May 7,1953. 80 F941
England.

60162 HORD, H. H. V., and FLIPPIN, R. S. Head rot of banana rhizomes in Honduras. Plant Dis. Rptr. 37:326-327. May 15,1953. 1.9 P69P

60163 ITZEROTT, H. Pflanzenarzt und industrie. Nachrbl. des Deut. Pflanzenschutzdienstes 5(2,sup),2 p. Feb.1953. 442.9 B832

60164 JACKS, H. Orchard spray trials in 1951-52. Orchardist New Zeal. Sup. Dec.1952,8 p. 80 Or19
New Zealand.

60165 JACKS, H. A review of experimental work on lead-arsenate injury. Orchardist 26(3):7,9. Apr.1953. 80 Or19
Apples.

60166 JANCKE. Rebschädlinge und -krankheiten in der Pfalz 1952. Deut. Weinbau 8:153-154. Apr.5,1953. 390.8 W432

60167 JENSEN, G. Spraying and amount of chemicals. (In Danish.) Erhvervsfrugtavlerens 19:205-208. May 1, 1953. 80 Er3
Fruit.

60168 JOHNSON, F., and BREAKEY, E. P. Spray program for sour cherries in western Washington. Wash. State Col. Ext. Mimeog. 1500,1 p. n.d. 275.29 W27Mi

60169 JOINER, J. N. Fighting garden pests in May; diseases ally with insects at this season of year. Fla. Grower 61(5):8. May 1953. 80 F6622

60170 KELLER, E. R. Das wichtigste über kartoffelkrankheiten. Grüne 81:455-476. Apr.24,1953. 17 Sch9

60171 KERNKAMP, M. F., FROSHEISER, F. I., and GIBLER, J. W. Effect of seed treatment on yield and nodulation of soybeans in Minnesota. Plant Dis. Rptr. 37: 222-225. Ref. Apr.15,1953. 1.9 P69P

60172 KING, N. J. The ratoon stunting disease problem. Prod. Rev. 43(5):69-71. Mar.15,1953. 23 P942
Sugarcane.

60173 KOTTE, W. Krankheiten und schädlinge im gemüsebau und ihre bekämpfung. Ed. 2, rev. Berlin, Parey,1952. 280 p. 464.04 K842

60174 KRSTIC, M., and PETROVIC, S. The appearance of enemies on sugar beet in 1952. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):10-12. Mar. 1953. 21.5 V87
Yugoslavia.

60175 KRUGER. Die bekämpfung der überaus schädlichen wühlmäuse. Landwirtbl. Weser-Ems 100:435-436. Apr.16,1953. 18 L2345

60176 KRÜGERKE. Frostschäden an obstbäumen. Obstbauberatungsring. Mittbl. 8(2):2-4. Apr.1,1953. 85 Ob72

60177 LARSEN, C. S. Studies of diseases in clones of forest trees. Hereditas 39:179-192. 1953. 442.8 H42

60178 LEIB, E. Zahlen,kennzeichnen,schwerpunkte im vorratschutz. Gesunde Pflanzen 5:97. May 1953. 464.8 G33

60179 LEYENDECKER, P. J. Reduction in yield of cotton caused by diseases in 1952. Plant Dis. Rptr. 37: 175-177. Apr.15,1953. 1.9 P69P

60180 LING, L. International Plant Protection Convention: its history, objectives, and present status. Plant Protect. B. [Rome] 1:65-68. Feb.1953. 421 P692

60181 LOEWEL, E. L. Neue erfahrungen über frostschädigungen an obstbäumen. Obstbauversring. des Alten Landes. Mitt. 8:64-66. Mar.1953. 85 J76

60182 LÖHRL, H. Nützlich oder schädlich? Kosmos 49:202-204. May 1953. 474 K842
Birds.

60183 LUCIC, M. R. Les problèmes du contrôle phytosanitaire en Yougoslavie. (In Serbo-Croatian.) Zaštita Bilja 15:94-98. 1953. 464.8 Z1

60184 MCCAIN, F. S. Combine sagrain. South. Seedsman 16(5):26,58. May 1953. 61.8 So8
Disease-resistant sorghum.

60185 MCCANTS, C. B., and WOLTZ, W. G. Profits from a total loss. Res. & Farming [N. C. Sta.] 10(3):8-9. Winter 1952. 100 N81R
Recovering tobacco damaged by hail.

60186 MCCONACHIE, J. T., and NAPIER, C. L. Rotation of crops and hygiene in the home garden. New Zeal. J. Agr. 86:133,135,137,139-140. Feb.16,1953. 23 N48J
Includes pest control in the home vegetable garden.

60187 MCLEOD, G. F. Modern grape protection and chemical hazards. Amer. Soc. Enol. Proc. 3:53-58. 1952. 390.9 Am33

60188 MCNEW, G. L. Meeting the dietary requirements of men; insects and fungi in the United States. (Abs.) Food Technol. 7(5,sup.):16. May 1953. 389.8 F7398
Control of insect pests and diseases of food plants.

60189 MAIER-BODE, F. W., and HEDDERGOTT, H. Taschenbuch des pflanzenarztes, 1953; zum leichteren erkennen pflanzlicher und tierischer schädlinge mit richtlinien für praktisch durchführbare bekämpfungsmassnahmen. Hiltrup b. Münster,Landwirtschaftsverlag,1952. 185 p. 464.4 M28

60190 MARSHALL, J. Use of concentrate sprays in orchards. Agr. Inst. Rev. 8(2):67-69. Mar./Apr.1953. 7 Ag8

60191 MARTIN, H. Chemical methods of crop protection. Agr. Inst. Rev. 8(2):5,9. Mar./Apr.1953. 7 Ag8
Insecticides and fungicides.

60192 MILLER, P. R. Plant disease loss estimates: false vs. true. Plant Dis. Rptr. 37:171-174. Apr.15,1953. 1.9 P69P

60193 MILLER, P. R. Plant disease situation in the United States. Plant Protect. B. [Rome] 1:69-71. Feb. 1953. 421 P692
Control of Dutch elm disease; chlorotic streak of Pennisetum in Puerto Rico; Pratylenchus in sugarcane roots.

60194 MOHR, A. W. Pesticide industry's problems become acute. Agr. Chem. 8(3):36,145,147,149. Mar. 1953. 381 Ag8
Fungicides, weedkillers, insecticides, etc.

60195 MOORE, M. B. New developments in oat diseases. Minn. Farm & Home Sci. [Minn. Sta.] 10(3):5. May 1953. 100 M668

60196 MOORE, M. B. Oat diseases in 1952. Minn. Seed Grower 26(2):1,3-4. Apr.1953. 61.8 M66

60197 MURAKISHI, H. H. Some observations on effective chemotherapeutants and fungicides on Vanda orchid seedlings. Pacific Orchid Soc. Hawaii. B. 11:7-10. 1953. 96.2 P11

60198 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Control of insects and diseases on bush fruits. N. J. Agr. Col. Ext. Spray Calendar 58,8 p. Mar.1953. 275.29 N46Sp

60199 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Control of insects and diseases on strawberries. N. J. Agr. Col. Ext. Spray Calendar 59,4 p. Mar.1953. 275.29 N46Sp

60200 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. 1953 spraying recommendations for apples. N. J. Agr. Col. Ext. Spray Calendar 56,12 p. Feb.1953. 275.29 N46Sp

60201 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. 1953 spraying recommendations for peaches. N. J. Agr. Col. Ext. Spray Calendar 57,7 p. Feb.1953. 275.29 N46Sp

60202 NICHOLSON, R. P., SCHOLL, J. M., and SHRADER, W. D. Is frost heaving killing your legumes? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:191-192. Apr.1953. 275.28 Io94

60203 NORTHERN IRELAND MINISTRY OF AGRICULTURE. Spraying programme for apple orchards. North. Ireland Min. Agr. L. 33,8 p. Mar.1953. 10 N81

60204 PAPE, H. Eine ungewöhnliche schädigung an edelnelken. Gesunde Pflanzen 5:94-95. Apr.1953. 464.8 G33
Injury from rats.

60205 PERETZ, I. Control of vegetable pests. (In Hebrew.) Hassadeh 33:211-213. Jan.1952. 26 H27

60206 PORSE, O. The Bollnäs disease or insect damage to oats. (In Swedish.) Lantbrtidskr. f. Dalarna 2:41-44. Apr.1953. 11 L29

60207 POWELL, D., CHANDLER, S. C., and MCDANIEL, J. C. Pest control in commercial fruit plantings. Ill. Agr. Col. Ext. C. 706,35 p. Feb.1953. 275.29 IL62C
Includes spray schedules.

60208 PROCTER, C. Chemical crop protection. Farmers Annu. 1953:27-29. 10 F2237

60209 PROVAGLIO, G. Dwarfing of corn and nematodes of wheat. (In Italian.) Humus 2:24-27. Feb.1953. 16 H88
English summary, p. 4.

60210 QUEBEC. COMMITTEE FOR THE PROTECTION OF APPLE TREES. Spray guide for apple trees. n.p.,1952. 16 p. 464.9 Q312
Text also in French.

60211 QUEBEC. COMMITTEE FOR THE PROTECTION OF POTATOES. Guide de protection des pommes de terre 1952. n.p.,1952. 16 p. 464.9 Q312

60212 QUEBEC. DEPT. OF AGRICULTURE. PLANT PROTECTION SERV. Vegetable protection guide. Montreal,1952. 10 p. 464.9 Q312V

60213 ROSSI, L. Spring and summer treatments for fruit trees. (In Italian.) Riv. di Frutticolt. 15:141-144. Apr.1953. 80 R52

60214 SANDO, W. J. Reaction to stem and leaf rust and a soil borne virus of hybrid selections of wheat x Agropyron x wheat and wheat x wheat. Plant Dis. Rptr. 37:296-299. May 15,1953. 1.9 P69P

60215 SAVARY, A. Maladies et ravageurs des plantes cultivées. Agenda de l'Agr. et du Vigneron 1953: 290-306. 30.3 Ag33

60216 SCHENK, P. J. Start the destruction of snails early. (In Flemish.) Cult. en Handel 19:259-260. May 1953. 80 C892

60217 SCHMIDT, H. Abbauerscheinungen an erdbeeren. Hess. Obstbau 8:23-24. Feb.1953. 80 G1932

60218 SCHREIER, O. Alarm im garten: wühlmäuse! Pflanzenarzt 6(4):7-8. Apr.1,1953. 464.9 P482

60219 SCHROEDER, W. T. Is your tomato spray program really effective? Farm Res. [N. Y. Sta.] 19(2): 5. Apr.1953. 100 N48A

60220 SHURTLEFF, M. C. Home fruit grower's pest control guide. R. I. State Col. Ext. Mimeog. C. 73, rev.,5 p. Mar.1953. 275.29 R34M

60221 SILVO, O. On the protection of greenhouse cultures in the winter. (In Finnish.) Puutarha 1:10-11. Jan.1953. 80 P99
Swedish summary, p. 48.
Control of insects and fungus diseases.

60222 SMITH, A. L., WILSON, C., and WARD, H. S. Cold injury to cotton seedlings in Alabama in 1952. Plant Dis. Rptr. 37:179-180. Apr.15,1953. 1.9 P69P

60223 SNYDER, L. C., KING, T. H., and CUTKOMP, L. K. Fruit spray schedules for home and commercial growers. Minn. U. Agr. Ext. Pam. 184,rev.,8 p.-folder. Mar.1953. 275.29 M66P

60224 STEINER, P. Was gibt es neues im pflanzenschutzmittel-verzeichnis 1953? Gesunde Pflanzen 5:73-86. Apr.1953. 464.8 G33

60225 SWARTWOUT, H. G. Some special disease problems with tree fruits. Kans. State Hort. Soc. Bien. Rpt. 51:88-95. 1952. 81 K13

60226 TAMIR, P. A better dressing for the treatment of pruning wounds. Plant Dis. Rptr. 37:259. Apr.15,1953. 1.9 P69P

60227 TEXAS. AGRICULTURLA AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Guide for controlling insects and diseases on fruits and nuts in Texas 1953. Tex. Agr. Col. Ext. C-321,16 p.-folder. Jan.1953. 275.29 T312C

60228 TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Guide for controlling insects and diseases on vegetable crops in Texas 1953. Tex. Agr. Col. Ext. C-323,12 p.-folder. Feb.1953. 275.29 T312C

60229 TOCCHETTO, A. Principal diseases of the potato in Rio Grande do Sul. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:193-208. Sept.1952. 9.2 R325
Includes pests.

60230 TRENTO CAMERA DI COMMERCIO. INDUSTRIA E AGRICOLTURA. AZIENDE AGRARIE. La difesa delle piante da frutto [Fruit tree protection]. Trento, Saturnia,1952? 24 p. 464.4 T72

60231 TSUBOI, Y., and IYAMA, J. Studies on wind injuries to wheat. 3. Study on the influence of the wind erosion to wheat (preliminary). (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:39-40. Nov.1952. 22.5 C88
English summary.

60232 UDAGAWA, T. Studies on the extermination of the field mice. II. The quantity of the poison and the shape of the bait used for this purpose. (In Japanese.) Rin-Go-Shiken-Hokoku 60:81-88. Mar.1953. 99.8 R47
English summary.

60233 ULLSTRUP, A. J. Leaf blights of corn. Ind. Agr. Expt. Sta. B. 572,23 p. Mar.1952. 100 In2P

60234 VICTORIA. DEPT. OF AGRICULTURE. BIOLOGY BR. Tomato diseases and their control. Victoria. Dept. Agr. J. 51:131-135. (Cont.) Mar.1953. 23 V66J

60235 WEBER, G. F. A half century of plant pathology in the South. Plant Dis. Rptr. 37:249-257. Apr.15, 1953. 1.9 P69P

60236 WENZL, H. Untersuchungen über grundfragen der winterspritzung im obstbau. Bodenkultur 6:346-354. 1952. 19 B635

60237 WILSON, A. Blackspot and purple spotting of roses. Rose 1:183-188. Spring 1953. 96.1 R725

Diseases Caused by Fungi

60238 ABUMIYA, H. Effect of passage through a moderately resistant variety of rice on the pathogenicity of Piricularia oryzae. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:107-108. Sept.1952. 464.9 P562

60239 AFIFI, A. Production of rust resistant vulgare wheats by backcrossing. III. Roy. Agr. Soc. Egypt. B. 41, 36 p. Ref. 1953. 24 So13B

60240 AGULHON, R., and AMPHOUX, M. Essais de produits de lutte contre le mildiou en 1952. Prog. Agr. et Vitic., Apr.19/26,1953:233-236. (Concl.) 14 P94

60241 ANDERSEN, A. M. Cause of reddening of roots and effect of fungi on sorghum seedlings. Assoc. Off. Seed Anal. Proc. 42:117-131. Ref. 1952. 61.9 As7

60242 ARNDT, C. H. Survival of Colletotrichum gossypii on cotton seeds in storage. Phytopathology 43: 220. Apr.1953. 464.8 P56

60243 ATKINS, J. G., and others. Fungicide tests on fall cucumbers in Louisiana, 1938-1951. La. Agr. Expt. Sta. B. 472,15 p. Mar.1953. 100 L93
A. G. Plakidas, W. F. Wilson, F. J. LeBeau, and N. L. Horn, joint authors.

60244 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Fungi maintained in culture by the Preservation Section, Division of Forest Products, by E. W. B. da Costa, C. N. Robinson, and N. Tamblyn. South Melbourne,1952. 13 p. (Sub-Project P. 11-11, Progress Report No. 1) 464.07 Au7C

60245 BALD, J. G. Neck rot phase of the Botrytis [B. gladiolorum] disease of Gladiolus. Phytopathology 43: 167-171. Apr.1953. 464.8 P56

60246 BARLEY IMPROVEMENT INSTITUTE. Smut control of barley. Barley Impr. Inst. B. 3,28 p. 1952? 59.9 B24B

60247 BARNETT, H. L. Isolation and identification of the oak wilt fungus. W. Va. Agr. Expt. Sta. B. 359T,15 p. Apr.1953. 100 W52
Endoconidiophora fagacearum.

60248 BARON, C. La défense des cultures. IV. Méthodes générales de lutte. Lutte contre les spores produites sur les organes aériens des plantes. B. Hort. (n.s.)8:99-102. Apr.1,1953. 80 B873

60249 BARON, C. La défense des cultures. V. Produits anticryptogamiques minéraux à base de cuivre. B. Hort. (n.s.)8:131-135,156. May 1,1953. 80 B873

60250 BASHAM, J. T., MOOK, P. V., and DAVIDSON, A. G. New information concerning balsam fir [Abies balsamea (L.)] decays in eastern North America. Canad. J. Bot. 31:334-360. Ref. May 1953. 470 C16C
Fungus.

60251 BAXTER, J. W., and CUMMINS, G. B. Physiologic specialization in Puccinia menthae Pers., and notes on epiphytology. Phytopathology 43:178-180. Apr.1953. 464.8 P56

60252 BHARGAVA, K. S., and KISHORE, H. Occurrence of Verticillium in potato tubers in India. Nature [London] 171:800-801. May 2,1953. 472 N21

60253 BHATNAGAR, M. P. Rust-resistant wheat varieties for Rajasthan. Indian Farming (n.s.)11(12):27. Mar.1953. 22 In283

60254 BIRAGHI, A. Notice on inky disease of chestnut. (In Italian.) Monti e Boschi 4:106-109. Mar.1953. 16 M76
English summary.
Caused by Phytophthora cambivora and P. cinnamomi.

60255 BLEES. Der netzschwefel im bekämpfungsjahr 1952. Deut. Weinbau 8:182-183. Apr.20,1953. 390.8 W432
Spraying for downy and powdery mildew.

60256 BOCKSTAHLER, H. W., HOGABOAM, G. J., and SCHNEIDER, C. L. Black root resistance of sugar beets in 1952. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:36-39. 1953. 66.9 Am353

60257 BRANAS, J. Sur les nouveaux produits antimildiou. Prog. Agr. et Vitic., May 3/10,1953:259-264. 14 P94
Downy mildew of grapes.

60258 BRUINSMA, F., and LABRUYÈRE, R. E. Control of anthracnose (Colletotrichum lindemuthianum) in seed beans. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:243-252. Apr.1953. 86 N384
English summary.

60259 BRUN, J. Dégats causés par Oospora citri aurantii (Ferr.) Sacc. sur les bergamotes. Fruits 8:120-121. Mar.1953. 80 F9492

60260 BRUN, J. La fonte des semis de bigaradiers (Sclerotinia sp.). Fruits 8:118-119. Mar.1953. 80 F9492

60261 BUSTOS NIETO, A. El control del "hielo de la papa" en la campiña de Arequipa. Peru. Dir. Gen. de Agr. B. 3/4:76-79. First/Second Q.1952. 9.8 P438
Phytophthora infestans.

60262 BYRDE, R. J. W., CROWDY, S. H., and WOODCOCK, D. Studies on systemic fungicides. III. The activity of certain chlorine-substituted β-naphthols and naphthyloxy-π-aliphatic carboxylic acids as systemic fungicides. Ann. Appl. Biol. 40:152-165. Ref. Mar.1953. 442.8 An72

60263 CALLBECK, L. C. Fungicides protect potatoes. Agr. Inst. Rev. 8(2):28-30. Mar./Apr.1953. 7 Ag8

60264 CAMPBELL, R. N., and FRENCH, D. W. Mycelial mats of oak wilt [Endoconidiophora fagacearum] found in Minnesota during dry weather. Plant Dis. Rptr. 37:243. Apr.15,1953. 1.9 P69P

60265 CASTAÑO, J. J. Algunas observaciones sobre la "llaga negra" radicular del cafeto. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 4(38):30-34. Feb.1953. 68.29 C332

60266 CHAMBERLAIN, G. C. The use of fungicides on stone fruits. Agr. Inst. Rev. 8(2):34-35. Mar./Apr. 1953. 7 Ag8
Canada.

60267 CHEVAUGEON, J. Ophiobolus oryzinus Sacc. Pourriture brune du pied du riz, maladie de l'Arkansas. Fiches de Phytopath. Trop. 7,4 p. 1952. 464.8 F44

60268 CONNERS, I. L. Species of Leptothyrium and Kabatia on leaves of Lonicera. (Abs.) Rev. Canad. de Biol. 11:514. Mar.1953. 442.8 R325

60269 COONS, G. H., and others. Report of the 1952 evaluation tests of leaf spot and black root resistant sugar beet varieties of the United States Department of Agriculture. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:40-48. 1953. 66.9 Am353
D. Stewart, H. W. Bockstahler, G. W. Deming, J. O. Gaskill, J. G. Lill, and C. L. Schneider, joint authors.

60270 CROSIER, W., and PATRICK, S. Some sclerotia-forming fungi in commercial seedstocks. Assoc. Off. Seed Anal. Proc. 42:114-117. Ref. 1952. 61.9 As7

60271 CROXALL, H. E., and HICKMAN, C. J. The control of onion smut (Urocyctis cepulae) by seed treatment. Ann. Appl. Biol. 40:176-183. Ref. Mar.1953. 442.8 An72

60272 CROXALL, H. E., SIDWELL, R. W., and JENKINS, J. E. E. White rot (Sclerotium cepivorum) of onions in Worcestershire with special reference to control by seed treatment with calomel. Ann. Appl. Biol. 40:166-175. Mar.1953. 442.8 An72

60273 CRUICKSHANK, I. A. M., and WRIGHT, G. M. Resistance of linseed and linen-flax varieties to flax-rust (Melampsora lini) in New Zealand. III. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:468-470. Feb.1953. 514 N48A

60274 DAINES, R. H. Captan: the new discovery in fruit fungicides. Amer. Fruit Grower 73(5):16,32. May 1953. 80 G85

60275 DOEPEL, R. F. Black spot or early blight of tomatoes; progress report on investigations. West. Austral. Dept. Agr. J. (ser.3)2:57,59,61-63. Jan./Feb. 1953. 23 W52J

60276 DOUGLAS, R. J. A serological investigation of Actinomycetes from potato scab lesions. (Abs.) Rev. Canad. de Biol. 11:514-515. Mar.1953. 442.8 R325

60277 EARHART, R. W., and MOREY, D. D. Septoria nodorum attacking wheats in the southeastern Coastal Plain. Plant Dis. Rptr. 37:310. May 15,1953. 1.9 P69P

60278 EHLERS, Zur labormässigen prüfung der pflanzenschutzmittel. (Abs.) Angew. Chem. 65:164. Mar.21,1953. 384 Z33
Fungicides and insecticides.

60279 ESBO, H., and KOLK, H. Quality and seed value of spring wheat damaged by black stem rust (Puccinia graminis tritici Eriks. och Henn.). (In Swedish.) Sweden. Stat. Cent. Frökontanst. Meddel. 28:29-43. 1953. 61.9 Sw3
English summary.

60280 FINKNER, R. E., MURPHY, H. C., and ATKINS, R. E. Reaction of oat varieties to powdery mildew [Erysiphe graminis DC var. avenae]. Agron. J. 45:92-95. Mar.1953. 4 Am34P

60281 FJELDDALEN, J., and RAMSFJELL, T. Kjemiske midler mot skadedyr og soppsjukdommer. midler mot skadedyr [Chemical preparations against pests and fungus diseases]. Norway. Stat. Plantevern. Flygeskr. 41,24 p. Dec.1952. 86 N83F

60282 FREYER. Erfolgreiche bekämpfung der blattbräune [Gnomonia erythrostoma]. Hess. Obstbau 8:57-58. Apr.1953. 80 G1932

60283 GALLEGLY, M. E. Late blight fungus [Phytophthora infestans] races-resistance. W. Va. Agr. Expt. Sta. B. 357(3):3,8. Mar.1953. 100 W52
On potatoes and tomatoes in West Virginia.

60284 GARJEANNE, A. J. M. The life story of a slimy fungus (Physarum nutans, var. leucophaeum). (In Dutch.) Levende Nat. 56:67-72. Apr.1953. 410 L57

60285 GELIN, O. Alternaria; a serious fungus disease on flax. (In Swedish.) Weibulls Illus. Årsb. 48:35-37. Spring 1953. 64.9 L232

60286 GERMANY. LAND- UND HAUSWIRTSCHAFTLICHER AUSWERTUNGS- UND INFORMATIONSDIENST. Die kraut- und knollenfäule. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. [Veröffentl.] 2,8 p. June 1952. 18 G312V
Phytophthora infestans.

60287 GLYNNE, M. D. Wheat yield and soil-borne diseases. Ann. Appl. Biol. 40:221-224. Mar.1953. 442.8 An72
Ophiobolus graminis and Cercosporella herpotrichoides.

60288 GUBA, E. F. Results of experiments and lessons from 1952 on fruit disease control and spray injury. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59: 66-71. 1953. 81 M384
Apple scab and spray injury; Fusicoccum (F. amygdali) peach canker.

60289 GUBA, E. F. What to know about apple scabs and fungicides. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:101-103. 1952. 81 M384

60290 HAFIZ, A. Studies on tuber rot of potatoes in the Punjab. Pakistan J. Sci. Res. 4:71-76,102. Ref. In Pakistan J. Sci. 4(3). July 1952. 475 P172
Fusarium.

60291 HARA, K. A note on the aecial host and taxonomy of Puccinia sasaecola Hara. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:71. May 1952. 464.9 P562

60292 HARRIS, M. R. Coryneum blight control outlined. Better Fruit 47(10):9-10. Apr.1953. 80 B46
Fruit.

60293 HARRIS, M. R. Results of severe winter damage appearing as "silver leaf." Better Fruit 47(10): 14-15. Apr.1953. 80 B46
Fungus disease of apple.

60294 HAWKSWORTH, F. G. Phoradendron juniperinum, a new host for Uredo phoradendri. Plant Dis. Rptr. 37:258. Apr.15,1953. 1.9 P69P

60295 HILBORN, M. T. Some aspects of apple scab control in Maine orchards. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:97-100. 1952. 81 M384

60296 HIROE, I. Phytopathological studies on black spot disease [Alternaria kikuchiana] of Japanese pears. 1. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:127-131. Ref. Sept.1952. 464.9 P562
English summary.

60297 HIROSHI, F. A survey of the annual recurrence of stripe rust of cereals, Puccinia glumarum. I. (In Japanese.) Phytopath. Soc. Japan. Ann. 17:25-27. Dec.1952. 464.9 P562

60298 HOCKEY, J. F. Safeguarding Canada's apple crop. Agr. Inst. Rev. 8(2):39-40. Mar./Apr.1953. 7 Ag8
Scab control.

60299 HOLLIDAY, P. Witches' broom disease of cacao (Marasmius perniciosus Stahel). London,H. M. Stationery Off.,1952. 7 p. (Gt. Brit. Colonial Office. Colonial 286) 464.09 H72

60300 HOLTON, C. S., and SIANG, W. N. Spore germination in Tilletia asperifolia, a species unique to the genus. Phytopathology 43:219-220. Apr.1953. 464.8 P56

60301 HOPFENGART, M. Die veränderung der mehltauanfälligkeit von sommergerste bei verschiedener mineralsalzernährung. Z. f. Acker- u. Pflanzenbau 96: 75-110. Ref. Mar.1953. 18 J825

60302 HUS. Die künftige schorfbekämpfung. (Abs.) Angew. Chem. 65:164. Mar.21,1953. 384 Z33

60303 JENSEN, J. H., and FORD, J. E. Oak wilt. N. C. Agr. Col. Ext. Folder 98,5 p. Feb.1953. 275.29 N811Ex

60304 JOHNSON, T. Variation in the rusts of cereals. Cambridge Philos. Soc. Biol. Rev. 28:105-157. Ref. May 1953. 442.9 C14

60305 JUSCAFRESA, B. El mildiu de la vid. Ceres [Valladolid] 18(202):40-41. Apr.1953. 15 C33

60306 KATSUKI, S. Materials for Cercospora-flora of the Kanto District. 2. Phytopath. Soc. Japan. Ann. 17: 5-8. Dec.1952. 464.9 P562
Includes two new species.

60307 KEENER, P. D. A species of Gymnosporangium on quince, pear, and hawthorn [Crataegus oxyacantha] in Arizona. Plant Dis. Rptr. 37:235. Apr.15,1953. 1.9 P69P

60308 KERSTENS, J. R. Scab control before flowering. (In Dutch.) Boer en Tuinder 7(321):5. Apr.11,1953. 12 B632
Fruit.

60309 KITAJIMA, H. Studies on the dissemination of peach anthracnose. III. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:109-112. Sept.1952. 464.9 P562
English summary.
Gloeosporium laeticola.

60310 KOBA, S. Patho-physiologic studies of spotted diseases of plants. 1. Unusual distributions of the starch-grains in the diseased leaves. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:35-43. Ref. Feb.1953. 107.6 K995B
English summary.
Caused by Cercospora and Cladosporium.

60311 KOCH, L. W. Fungicides fight root rots. Agr. Inst. Rev. 8(2):31-32. Mar./Apr.1953. 7 Ag8

60312 KRAUSE, W. G. C. Controlling fire [Botrytis tulipae] in tulips. Nurseryman & Seedsman 116:788-789. Mar.19,1953. 80 N933

60313 KUSUMOTO, T. Studies on the tomato cottony leak. I. On the pathogenicity of Pythium aphanidermatum on various plant seedlings. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:61-62. Ref. May 1952. 464.9 P562

60314 LAFON, J., COUILLAUD, P., and HUDE, R. Le pourridié. Paysan 28(424):24-25. Apr.1953. 14 P29
Grapes.

60315 LAGOS, M. B., and RISCH, N. A. Physiologic races of Puccinia graminis avenae in Rio Grande do Sul. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:368. Oct./Dec.1952. 9.2 R325

60316 LARGE, J. R. Aeroplane spraying for pecan scab [Cladosporium effusum] control. Plant Dis. Rptr. 37: 266-268. May 15,1953. 1.9 P69P

60317 LECHEVALIER, H., and others. Candicidin, a new antifungal antibiotic. Mycologia 45:155-171. Mar./Apr.1953. 450 M99
R. F. Acker, C. T. Corke, C. M. Haenseler, and S. A. Waksman, joint authors.

60318 LOEWEL. Die termingerechte fusikladiumbekämpfung. (Abs.) Angew. Chem. 65:164. Mar.21,1953. 384 Z33

60319 MACHACEK, J. E. Seed treatment of cereals and flax. Agr. Inst. Rev. 8(2):25-27. Mar./Apr.1953. 7 Ag8
Canada.

60320 MCINTOSH. D. L. Apple scab real threat. Country Life [Vancouver] Apr.1953:11,23. 7 C832
Venturia inaequalis.

60321 MARTINEZ, L. M., AUSEMUS, E. R., and BURNHAM, C. R. Inheritance of reaction to leaf rust, Puccinia rubigo-vera tritici (Erikss.) Carleton, and of certain other characters in a wheat cross. Minn. Agr. Expt. Sta. Tech. B. 205,35 p. Ref. Apr.1953. 100 M66

60322 MEINERS, J. P., and FISCHER, G. W. Further studies on host specialization in the head smut of grasses, Ustilago bullata. Phytopathology 43:200-203. Apr.1953. 464.8 P56

60323 MICHIGAN. DEPT. OF AGRICULTURE. Annual report of white pine blister rust control in Michigan, calendar year 1952. n.p.,1952. 2 p. 464.07 M582

60324 MICHIGAN. DEPT. OF AGRICULTURE. Dutch elm and oak wilt diseases in Michigan. Mich. Forestry & Park. Assoc. Annu. Mtg. 27:16-20. 1953. 99.9 M586

60325 MOREAU, C., and MOREAU, E. Etude mycologique de la maladie de l'encre du chêne. Rev. de Path. Vég. et d'Ent. Agr. de France 31:201-231. Ref. Oct./Dec. 1952. 464.9 So1
Phytophthora cinnamomi.

60326 MOREAU, C., and MOREAU, M. Phomopsis citri Faw., mélanose des agrumes. Fiches de Phytopath. Trop. 8,6 p. Ref. 1952. 464.8 F44

60327 MOUAT, H. M. Mouldy-core disease of Delicious apples. Orchardist 26(2):7-8. Mar.1953. 80 Or19
Fungus infection in fresh and stored fruit.

60328 MULDER, D., and others. Apple scab [Venturia inaequalis] research in 1952. I. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:184-213. Mar. 1953. 86 N384
E. J. Keyer, H. P. Dijksterhuis, A. F. H. Besemer, C. A. R. Meyneke, P. J. H. Jongejan, and P. Hus, joint authors.
English summary.

60329 MÜLLER, K. O., and HAIGH, J. C. Nature of 'field resistance' of the potato to Phytophthora infestans De Bary. Nature [London] 171:781-783. May 2,1953. 472 N21

60330 MÜNCHBERG, P. Zur chemie der fungiciden pflanzenschutzmittel. Natwiss. Rundschau 5:104-108. Ref. Mar.1952. 474 N216

60331 MUNN, M. T. Seed-borne disease determinations highly beneficial. Assoc. Off. Seed Anal. Proc. 42: 131-134. 1952. 61.9 As7
Tests with vegetable seeds in New York.

60332 MURRAY, J. S. A note on the outbreak of Chrysomyxa abietis Unger (spruce needle rust) in Scotland, 1951. Scot. Forestry 7:52-56. Apr.1953. 99.8 Sco3

60333 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bestrijding van de aardappelziekte [Control of late blight of potatoes] (Phytophthora infestans). Netherlands. Plantenziektenk. Dienst. Ber. 1040,2 p. Apr.1953. 464.9 N38

60334 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van het vuur in tulpen [Control of tulip blight]. Netherlands. Plantenziektenk. Dienst. Ber. 1038,1 p. Mar.28,1953. 464.9 N38
Botrytis tulipae.

60335 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Fusarium wilts and root rots. N. S. Wales. Dept. Agr. Plant Dis. L. 47,6 p. 1952. 464.9 N47

60336 NEWBOULD, F. H. S. An actinophage for Streptomyces scabies. (Abs.) Rev. Canad. de Biol. 11: 514. Mar.1953. 442.8 R325
Potatoes.

60337 NILLOS, P. N. The purple blotch (Macrosporium porri)—the scourge of the onion industry. Agr. & Indus. Life 15(3):16,50. Mar.1953. 25 Ag8
In the Philippines.

60338 ORTIZ GARMENDIA, J. Los "carbones" en el trigo y la cebada. Campesino [Santiago] 85:33. Jan.1953. 9.3 So12

60339 OTANI, Y. Growth factors and nitrogen sources of Piricularia oryzae Cavara. (In Japanese.) Phytopath. Soc. Japan. Ann. 17:9-15. Ref. Dec.1952. 464.9 P562
English summary.

60340 OTANI, Y. Studies on the relation between the principal components of rice plant and its susceptibility to the blast disease. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:97-102. Ref. Sept.1952. 464.9 P562
English summary.

60341 OWEN, J. H., and CONNELL, D. Cucumber diseases in Sumter County, Florida. Plant Dis. Rptr. 37: 327. May 15,1953. 1.9 P69P
Mainly fungus.

60342 PARTHASARATHY, S. V., PRAKASAM, P., and KRISHNAMURTHY, C. S. Green muscardine fungus [Metarrhizium anisopliae] on Pyrilla sp. Cur. Sci. 22:85-86. Mar.1953. 475 Sci23

60343 PETERSON, L. C., and MILLS, W. R. Resistance of some American potato varieties to the late blight of potatoes. Amer. Potato J. 30:65-70. Ref. Mar.1953. 75.8 P842

60344 PLASMAN, A. Note sur la découverte en Belgique de Phomopsis pseudotsugae Wilson sur Pseudotsuga taxifolia (Lam) Britt. Parasitica 9:1-5. Ref. 1953. 464.8 P21

60345 QUERENGÄSSER, F. Pilzerkrankungen nordamerikanischer waldbäume. Forstarchiv 24:71-74. Ref. Mar.15,1953. 99.8 F7723

60346 REED, H. E. Occurrence of arborvitae blight [Cercospora thujina] in Tennessee. Plant Dis. Rptr. 37: 258-259. Apr.15,1953. 1.9 P69P

60347 RENNERFELT, E. Om angrepp av rotröta på tall. On root-rot [Polyporus annosus] attack on Scots pine. Sweden. Stat. Skogsforskinst. Meddel. 41(9),40 p. Ref. 1952,pub.1953. 99.9 Sw32
English summary.

60348 REVILLA, V. A. Algunos resultados de las investigaciones sobre la nueva enfermedad de la caña de azúcar en el pais. Peru. Dir. Gen. de Agr. B. 3/4:11-18. First/Second Q.1952. 9.8 P438
Caused by a fungus tentatively described as a new species of the genus Sclerospora.

60349 ROBAK, H. Phomopsis pseudotsugae Wilson—Discula pinicola (Naumov) Petr. as a saprophyte on coniferous woods. Sydowia 6:378-382. Ref. 1952. 450 Sy2

60350 ROBINSON, D. B., and AYERS, G. W. The control of Verticillium wilt of potatoes by seed treatment. Canad. J. Agr. Sci. 33:147-152. Mar./Apr.1953. 7 Sci2

60351 ROJAS PEÑA, E. DE. Control de la "gota" de la papa, Phytophthora infestans. Agr. Trop. 9(4):17-31. Apr.1953. 26 Ag8

60352 ROTHMAN, P., and FREY, K. J. Effect of stem rust on yield, test weight, and maturity of oats. Plant Dis. Rptr. 37:302-305. May 15,1953. 1.9 P69P

60353 SALT, G. A. A field experiment on wheat infected with eyespot. Ann. Appl. Biol. 40:224-225. Mar. 1953. 442.8 An72

60354 SANCHEZ POTES, A. La antracnosis foliar del cacao. Acta Agron. [Palmira] 3:41-64. Ref. Jan. 1953. 9.4 Ac8

60355 SANDO, W. J., and LOWTHER, C. V. Reactions at Beltsville, Maryland, of segregates from hybrids of wheat x Agropyron elongatum x wheat to eight races of Puccinia graminis tritici. Plant Dis. Rptr. 37:300-301. May 15,1953. 1.9 P69P

60356 SATTAR, A., and GHAFOOR, A. Root and stem rot of tobacco. I. Pakistan J. Sci. Res. 4:95-98. Ref. In Pakistan J. Sci. 4(3). July 1952. 475 P172

60357 SAVAGE, E. F., and others. Clitocybe [tabescena] root rot—a disease of economic importance in Georgia peach orchards. Plant Dis. Rptr. 37:269-270. May 15,1953. 1.9 P69P
J. H. Weinberger, E. S. Luttrell, and A. S. Rhoads, joint authors.

60358 SCHAFER, J. F., and others. Reaction of oats varieties and selections to powdery mildew at Lafayette, Indiana. Plant Dis. Rptr. 37:306-309. May 15,1953. 1.9 P69P
R. M. Caldwell, L. E. Compton, and F. L. Patterson, joint authors.

60359 SCHWEGMANN, J. C. Temperature-pathogenicity relationships in Rhizoctonia solani on cotton. Plant Dis. Rptr. 37:178. Apr.15,1953. 1.9 P69P

60360 SHAW, D. E., and VALDER, P. G. A study of the microflora of wheat grains in New South Wales. Linn. Soc. N. S. Wales. Proc. 77:307-322. Ref. 1952,pub.Jan. 20,1953. 514 Sy2

60361 SHEPHERD, E. F. S. Modern fungicides with special reference to their application in the Tropics. Export Rev. Brit. Drug & Chem. Indus. 14(157):35-40. Ref. May 1953. 396.8 C42A

60362 SHERF, A. F. Identity and seed rotting potential of fungi borne on watermelon seed. Assoc. Off. Seed Anal. Proc. 42:108-114. Ref. 1952. 61.9 As7

60363 SHURTLEFF, M. C. A new tomato disease threatens Rhode Island. R. I. State Col. Ext. Mimeog. C. 76,3 p. Feb.1952. 275.29 R34M
Gray leaf spot caused by a fungus (Stemphyllium) and its control.

60364 SMITH, J. D. Fungi and turf diseases. Sports Turf Res. Inst. J. 8:144-149. (Cont.) 1952. 60.19 B772

60365 SMITH, J. D. A patch disease of sports turf caused by Ophiobolus graminis var. avenae. E. M. Turner. Sports Turf Res. Inst. J. 8:140-143. Ref. 1952. 60.19 B772

60366 SOENEN, A., and AERTS, R. Contribution à l'étude de l'oïdium du pommier. Fruit Belge 21:77-80. May 1953. 80 F9493
Podosphaera leucotricha.

60367 SOUSA, J. S. I. DE. Anthracnose of mangoes. (In Portuguese.) Chacaras e Quintais 87:396-397. Mar. 15,1953. 9.2 C34

60368 STANTON, W. R. Breeding pears for resistance to the pear scab fungus Venturia pirina Aderh. I-II. Ann. Appl. Biol. 40:184-197. Ref. Mar.1953. 442.8 An72

60369 STEWART, D. Progress in breeding leaf spot and black root resistant monogerm sugar beets. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:33-35. 1953. 66.9 Am353

60370 STONER, W. N., and MOORE, W. D. Lowland rice farming, a possible cultural control for Sclerotinia sclerotiorum in the Everglades. Plant Dis. Rptr. 37:181-186. Apr.15,1953. 1.9 P69P

60371 SUZUKI, N., and URITANI, I. On some constituents showing positive reaction by Ehrlich's aldehyde reagent in brown-rotted tissues of sweet potato. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:54-56. May 1952. 464.9 P562
English summary.
Fungus infection.

60372 TAKASE, N. On the influence of different planting times and nitrogenous fertilizer upon the emergence, flowering and infection with Phytophthora infestans in potatoes. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:26-32. Ref. Feb.1953. 107.6 H68
English summary.

60373 TANAKA, S., KATSUKI, H., and KATSUKI, F. Biochemical studies on the blast disease of rice plant. IV. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:103-106. Sept.1952. 464.9 P562

60374 TAYLOR, R. H. Control of breakdown in stored vine canes. Austral. Plant Dis. Recorder 5:5. Jan.1953. 464.8 Au7
Fungus disease of bark.

60375 TEIXEIRA, A. R. The yellow rot [Phellinus] of "pau-jacaré" (Piptadenia communis Benth). (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):238-246. Ref. 1951,pub.1952. 99.83 An8
English summary.

60376 TERRIER, C. Comment lutter efficacement contre les tavelures du pommier et du poirier? Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:34-35. Apr.1953. 17 J82A

60377 THIRUMALACHAR, M. J., and PUSHKARNATH. Resistance of potato varieties to charcoal rot [Macrophomina phaseoli]. Amer. Potato J. 30:73-77. Mar.1953. 75.8 P842

60378 THOMAS, K. M. Notes on the visit of Dr. William H. Cowgill and Dr. Frederick L. Wellman. Indian Coffee 17:42-48. Feb.1953. 68.29 In23M
Primary purpose to study coffee leaf disease, Hemileia vastatrix in south India.

60379 THORN, G. D., LUDWIG, R. A., and MILLER, D. M. A potent fungicide from disodium ethylenebisdithiocarbamate. (Abs.) Chem. Canada 5(5):43. May 1953. 381 C4236

60380 TOCHINAI, Y., and SAWADA, K. Studies on varietal susceptibility of beans to Colletotrichum lindemuthianum Briosi et Cavara. I. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:117-120. Ref. Sept.1952. 464.9 P562
English summary.

60381 TOMIYAMA, K. Several factors affecting the Typhula snow blight of winter wheat. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:113-116. Sept.1952. 464.9 P562
English summary.

60382 TOPALOVIC, G. Concerning a mold on vine shoots. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):14-15. Mar.1953. 21.5 V87

60383 TORIKATA, H., and KOMAI, Y. Studies on the resistance of Japanese pear to black spot disease fungus (Alternaria kikuchiana Tanaka). III. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:63-68. Ref. May 1952. 464.9 P562
English summary.

60384 TOYODA, S., and SUZUKI, N. Histochemical studies on the lesions of rice blast caused by Piricularia oryzae Cav. I. (In Japanese.) Phytopath. Soc. Japan. Ann. 17:1-4. Ref. Dec.1952. 464.9 P562
English summary.

60385 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Administrative instructions designating rust-resistant species and varieties of barberry [Berberis], Mahoberberis, and Mahonia plants. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 577,rev.,3 p. Apr.1953. 1.9 F73

60386 UOZUMI, T., and YOSHII, H. Some observations on the mildew fungus [Sphaerotheca fuliginea] affecting the cucurbitaceous plants. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:123-126. Ref. Sept.1952. 464.9 P562
English summary.

60387 VALDER, P. G., and SHAW, D. E. Yellow spot disease [Pyrenophora tritici-repentis] of wheat in Australia. Linn. Soc. N. S. Wales. Proc. 77:323-330. Ref. 1952,pub.Jan.20,1953. 514 Sy2

60388 VANDERWALLE, R. Note sur l'altération des gaines et des épis d'orge atteints d'Ustilago nuda causée par Fusarium poae (Peck) Wr. Parasitica 9:11-13. 1953. 464.8 P21

60389 VAUGHN, J. R. National turf fungicide trials 1952. Golf Course Rptr. 21(3):18,22-24. May 1953. 60.18 G83

60390 WALDO, G. F. Sources of red stele root disease [Phytophthora fragariae] resistance in breeding strawberries in Oregon. Plant Dis. Rptr. 37:236-242. Apr.15,1953. 1.9 P69P

60391 WALKER, J. C., PIERSON, C. F., and WILES, A. B. Two new scab-resistant cucumber varieties. Phytopathology 43:215-217. Apr.1953. 464.8 P56
Wisconsin SR 6 and Wisconsin SR 10 resistant to Cladosporium cucumerinum.

60392 WATANABE, T., and TAMURA, M. Studies on the perfect stage of the causal fungus of the anthracnose of cucumber. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:137-140. Sept.1952. 464.9 P562
English summary.
Glomerella lagenaria n. sp.

60393 WATERHOUSE, W. L. Australian rust studies. IX-X. Linn. Soc. N. S. Wales. Proc. 77:209-258,321-326. Ref. 1952. 514 Sy2
IX, Physiologic race determinations and surveys of cereal rusts; X, Further breeding work with "Khapli" emmer wheat, an outstanding source of stem rust resistance.

60394 WATERHOUSE, W. L. A note on the unusual longevity of Ciboria aestivalis (Wint.) Rehm. Linn. Soc. N. S. Wales. Proc. 77:262. 1952,pub.Jan.20,1953. 514 Sy2

60395 WEBER, A. Spraying of apple trees at blossoming time and scab forecasting. (In Danish.) Erhvervs frugtavleren 19:200-203. May 1,1953. 80 Er3

60396 WEBER, A. Spraying of apples at blossom time and scab forecasting. (In Danish.) Gart.-Tid. 69:185-187. Apr.27,1953. 80 G192

60397 WELCH, D. S., and STONE, E. L. Fomes annosus (Fr.) Cke. in coniferous plantations in New York State. Plant Dis. Rptr. 37:247-248. Apr.15,1953. 1.9 P69P

60398 WELLMAN, F. L. The Americas face up to the threat of coffee rust. I. Coffee & Tea Indus. 76(5):17, 26. May 1953. 389.8 Sp4
Hemileia vastatrix.

60399 WILSON, J. D. How various formulations affect the performance of dithiocarbamate fungicides. Agr. Chem. 8(5):46-48,139. May 1953. 381 Ag8

60400 WILSON, J. D. Wettable powder versus tank-mix dithiocarbamates on potatoes and tomatoes in Ohio. Ohio. Agr. Expt. Sta. Res. C. 9,22 p. Ref. Apr.1953. 100 Oh3R
To control blight.

60401 YAMAMOTO, W. The germination of spores of the sooty mould fungus [Capnodium fuliginodes] and the growth of their germ tubes, with special reference to the honeydews secreted by insects. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:49-53. Ref. May 1952. 464.9 P562
English summary.

60402 YOKOKAWA, S. Studies on the mulberry tree disease caused by Helicobasidium mompa Tanaka. (In Japanese.) J. Sericult. Sci. Japan 21:223-228. Dec.1952. 425.9 Se6

60403 YOUNG, H. C., WADSWORTH, D. F., and EPPERLY, J. R. Experimental forecast of wheat leaf rust in Oklahoma for 1953. Plant Dis. Rptr. 37:311. May 15,1953. 1.9 P69P

60404 YOUNG, H. C., and others. Progress of oak wilt [Endoconidiophora fagacearum] investigations in Ohio. Plant Dis. Rptr. 37:244-245. Apr.15,1953. 1.9 P69P
G. J. Bart. O. Spilker, W. H. Brandt, and R. B. Redett, joint authors.

60405 ZENTMYER, G. A. Avocado root rot [Phytophthora cinnamomi] research. (Sum.) Calif. Citrog. 38: 256-257. May 1953. 80 C125

60406 ZENTMYER, G. A., and MULLER, A. S. Phytophthora-induced diseases of avocado in Central America Plant Dis. Rptr. 37:271. May 15,1953. 1.9 P69P

60407 ZENTMYER, G. A. Progress in root rot research. Citrus Leaves 33(5):18-19,37. May 1953. 80 C492
Phytophthora cinnamomi on avocados.

Diseases Caused by Bacteria

60408 BOEWE, G. H. Stewart's disease prospects for 1953. Plant Dis. Rptr. 37:311-312. May 15,1953. 1.9 P69P
Bacterium stewartii on corn.

60409 BRAUN, A. C. Organization of crown-gall tumor cells in the presence of a formative stimulus. Phytopathology 43:204-205. Apr.1953. 464.8 P56

60410 CONNELL, T. D. Bacteria antagonistic to Pythium [P.arrhenomanes] from Louisiana sugarcane soils. (Abs.) La. Acad. Sci. Proc. 15:16. 1952. 500 L932

60411 EDDINS, A. H. Transmission of cabbage black rot [Xanthomonas campestris] at Hastings, Florida. Plant Dis. Rptr. 37:216-219. Apr.15,1953. 1.9 P69P

60412 GOTO, M., and OKABE, N. A bacterial stripe disease of sorghum and maize. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:10-14. 1952. 107.6 Iw92
English summary.
Causal organism determined as Pseudomonas andropogoni.

60413 GOTO, M., and OKABE, N. Studies on the causal organisms of the bacterial stripe disease of millet and the brown stripe disease of Italian millet. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:15-24. 1952. 107.6 Iw92
English summary.
Xanthomonas panici.

60414 GRAHAM, J. H. Cultural and epiphytotic relationships of three bacterial pathogens of soybeans. Phytopathology 43:193-194. Apr.1953. 464.8 P56
Xanthomonas phaseoli var. sojensis, Pseudomonas glycinea and P. tabaci.

60415 GRAHAM, J. H. Overwintering of three bacterial pathogens of soybean. Phytopathology 43:189-192. Ref. Apr.1953. 464.8 P56
Xanthomonas phaseoli var. sojensis, Pseudomonas glycinea and P. tabaci.

60416 HARRIS, M. R. Detecting crown galls in orchard difficult. Better Fruit 47(11):9-10. May 1953. 80 B46

60417 MCINTOSH, D. L. Fire blight. Country Life [Vancouver] Apr.1953:14-15. 7 C832
Pears.

60418 MACLACHLAN, D. S., and others. Fumigation of used bags with toxic gases for the control of bacterial ring rot of potato. Canad. J. Agr. Sci. 33:132-140. Ref. Mar./Apr.1953. 7 Sci2
H. A. U. Monro, H. N. Racicot, and J. E. King, joint authors.

60419 MASTENBROEK, C. Experiences with the control of bacterial blight of beans. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden. en Aardappelpootgoed. Meded. 9:99-100. Apr.1953. 61.9 N28
Caused by Bacterium medicaginis phaseolicola.

60420 OKABE, N., and GOTO, M. Studies on Bact. [i. e. Pseudomonas] solanacearum with special reference to the kinds of strains and their classification. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:64-93. 1952. 107.6 Iw92
English summary.

60421 OKABE, N., and GOTO, M. Studies on Bact. [i. e. Pseudomonas] solanacearum with special reference to the pathogenicity of strains. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:94-114. 1952. 107.6 Iw92
English summary.

Viruses and Virus Diseases

60422 BAGNALL, R. H. Resistance of potatoes to virus diseases. Ottawa?Dept. Agr.,Bot. & Plant Path. Div.,1952? 1 p. 464.045 B14

60423 BERCKS, R. Über die möglichkeit einer virulenzänderung des kartoffel-X-virus. Phytopath. Z. 20: 113-120. Ref. Jan.1953. 464.8 P562

60424 BLACK, F. L, and KNIGHT, C. A. A comparison of some mutants of tobacco mosaic virus. J. Biol. Chem. 202:51-57. Ref. May 1953. 381 J824

60425 BLOMMERS, J. An investigation on the susceptibility to virus of 15 American varieties of strawberries. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:266-268. Apr.1953. 86 N384
English summary.

60426 BONDE, R., and SCHULTZ, E. S. Purple-top wilt and similar diseases of the potato. Maine. Agr. Expt. Sta. B. 511,30 p. Ref. Feb.1953. 100 M28S

60427 BOYCE, W. R., and others. Investigations into yellow-leaf disease of Phormium. I-V. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34(sup.1),46 p. Ref. Feb. 1953. 514 N48A
I, History and symptomatology, p. 1-11, by W. R. Boyce and F. J. Newhook; II, Translocation disorders, p. 12-16, by K. Strzemienski; III, Anatomical aspects, p. 17-30, by F. J. Newhook; IV, Experimental induction of yellow-leaf condition in Phormium tenax Forst. by the insect vector Oliarus atkinsoni Myers. (Hem., Cixiidae.), p. 31-40, by R. A. Cumber; V, Transmission experiments and discussion on control, p. 41-46, by S. W. Boyce, W. R. Boyce, E. E. Chamberlain, P. R. Frey, R. E. F. Matthews, and F. J. Newhook.

60428 BRADLEY, R. H. E. Infectivity of aphids after several hours on tobacco infected with potato virus Y. Nature [London] 171:755-756. Apr.25,1953. 472 N21

60429 BRIERLEY, P., and SMITH, F. F. Noordam's B virus of Chrysanthemum detected in the United States. Plant Dis. Rptr. 37:280-283. May 15,1953. 1.9 P69P

60430 CAPOOR, S. P., and VARMA, P. M. Bhendi mosaic and its control in Poona. Indian Farming (n.s.)11(12):14-15,31. Mar.1953. 22 In283
Okra.

60431 CONNERS, I. L. Virus diseases of cereals in Canada. Plant Protect. B. [Rome] 1:72-73. Feb.1953. 421 P692
Streak mosaic of wheat and false stripe of barley.

60432 COOK, J. G. Last enemy? The story of the virus. Guildford,1952. 64 p. (A Spotlight on Science Book) 448.2 C772
Includes plant viruses.

60433 ESLICK, R. F. Yield reductions in Glacier barley associated with a virus infection. Plant Dis. Rptr. 37:290-291. May 15,1953. 1.9 P69P

60434 FELLOWS, H., SILL, W. H., and KING, C. L. The 1952 epiphytotic of a soil-borne wheat mosaic in Kansas. Plant Dis. Rptr. 37:287-289. May 15,1953. 1.9 P69P

60435 FERNANDEZ ROSEÑADA, M. La enfermedad "tristeza" de los cítricos, una seria amenaza para Cuba. Agrotecnia 8:7-13. Ref. Jan./Feb.1953. 8 Ag825

60436 FERNANDEZ ROSEÑADA, M. La enfermedad "tristeza" de los citricos, una seria amenaza para Cuba. Rev. de Agr. [Habana] (ser.8)36:109-117. Ref. July 1952/Mar.1953. 8 Ag88Re

60437 FLINT, L. H. Note on variegation and a virus disease of dodder. La. Acad. Sci. Proc. 15:17-19. 1952. 500 L932

60438 FRAZIER, N. W., and THOMAS, H. E. Strawberry a host of western aster yellows virus. Plant Dis. Rptr. 37:272-275. May 15,1953. 1.9 P69P

60439 FRY, P. R. Two virus diseases of Gladiolus. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:460-464. Feb.1953. 514 N48A
Cucumber-mosaic and pea-mosaic.

60440 HIRATA, S. On the turbidity of pressed-out juices from some virus-infected plants. (In Japanese.) Phytopath. Soc. Japan. Ann. 17:21-24. Dec.1952. 464.9 P562
English summary.

60441 HULL, R., and GATES, L. F. Experiments on the control of beet yellows virus in sugar-beet seed crops by insecticidal sprays. Ann. Appl. Biol. 40:60-78. Mar. 1953. 442.8 An72

60442 KLINKENBERG, C. H. Internal symptoms of virus diseases in plants. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:12-14. 1952. 12 N384

60443 KÖHLER, E. Gomphrena globosa als wirtspflanze verschiedener mosaikviren. Nachrbl. des Deut. Pflanzenschutzdienstes 5:21-22. Feb.1953. 442.9 B832

60444 KRAUSE, W. G. C. Stony pit in pears. Com. Grower 2990:803-804. Apr.16,1953. 80 F941
Virus disease.

60445 KRIJTHE, J. M. Virus diseases of trees. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14: 63-76. 1952. 12 N384

60446 KRYTHE, J. M. Investigations on a virus disease of peaches and plums. (In Dutch.) Tijdschr. over Plantenziekten 59:51-61. Ref. 1953. 464.8 T44
English summary.

60447 LANGE. Unsere kenntnisse über die vergilbungskrankheit der rüben. Landwirtbl. Weser-Ems 100: 410-411. Apr.9,1953. 18 L2345

60448 LUDECKE, H. Vergilbungskrankheit und zuckerrübenertrag. Deut. Landwirt. Presse 76:88-89. Apr.4,1953. 18 D482

60449 MACDONALD, D. L., and KNIGHT, C. A. The identity of the purine-bound pentose of some strains of tobacco mosaic virus. J. Biol. Chem. 202:45-50. Ref. May 1953. 381 J824

60450 MCKINNEY, H. H. New evidence on virus diseases in barley. Plant Dis. Rptr. 37:292-295. Ref. May 15,1953. 1.9 P69P

60451 MCLEAN, D. M. Virus yellows of table beets in the Pacific Northwest. Plant Dis. Rptr. 37:276-279. Ref. May 15,1953. 1.9 P69P

60452 MARAMOROSCH, K. A versatile virus. A disease of Asters is caused by a virus that multiplies in both the plant and the insect which infects it. Sci. Amer. 188(6):78-80,82,84,86. June 1953. 470 Sci25

60453 MARCELLI, E. A necrotic virus isolated from tobacco plants affected by mosaic. (In Italian.) Tabacco 57:83-92. Mar.1953. 69.8 T115

60454 MARCUS, O. Über die Y-virus-verseuchung der knollen primär infizierter kartoffelpflanzen. Phytopath. Z. 20:121-132. Ref. Jan.1953. 464.8 P562

60455 MATSUI, C. On the interference phenomenon between SP_1 virus and SP_1h_1 virus. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:51-56. Ref. Feb.1953. 107.6 K995B
English summary.
In plants.

60456 MATSUI, C. Studies on the growth of SP_1 virus (Bact. solanacearum phage) and its mutant strain. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:43-49. Feb. 1953. 107.6 K995B
English summary.

60457 MERCER, F. L., LINDHORST, T. E., and COMMONER, B. Inhibition of tobacco mosaic virus biosynthesis by 2-thiopyrimidines. Science 117:558-559. May 22,1953. 470 Sci2

60458 MOSEMAN, J. G., GORE, U. R., and MCKINNEY, H. H. Reaction of winter oat varieties and selections to soil-borne viruses in southeastern United States. Plant Dis. Rptr. 37:226-229. Apr.15,1953. 1.9 P69P

60459 MULDER, D. Proliferation disease of apple, a virus disease. (In Dutch.) Tijdschr. over Plantenziekten 59:72-76. Ref. 1953. 464.8 T44
English summary.

60460 NATTI, J. J., KIRKPATRICK, H. C., and ROSS, A. F. Host range of potato leafroll virus. Amer. Potato J. 30:55-64. Mar.1953. 75.8 P842

60461 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. Virusziekten [Virus diseases]. 's-Gravenhage, 1952. 104 p. 12 N384
Plants, chiefly.

60462 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Selectie van Dahlia's op het voorkomen van viruszieke planten [Selection of Dahlias to prevent virus diseases of plants]. Netherlands. Plantenziektenk. Dienst. Ber. 1041,2 p. Apr.1953. 464.9 N38

60463 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Spotted wilt of Iceland poppies. N. S. Wales. Dept. Agr. Plant Dis. L. 67,2 p. 1952. 464.9 N47
Papaver nudicaule.

60464 NORTHERN IRELAND MINISTRY OF AGRICULTURE. Growing healthy potatoes. North. Ireland Min. Agr. L. 73,8 p. Feb.1953. 10 N81
Virus diseases and their control.

60465 NYLAND, G., and BROOKS, R. M. Virus-free cherry; budwood of sweet cherry varieties developed free from known viruses. Calif. Agr. [Calif. Sta.] 7(3):8. Mar.1953. 100 C12Cag

60466 OUBOTER, M. P. DE B. Serology. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:48-52. 1952. 12 N384
In virus research in plants.

60467 RAALTE, D. VAN. Virus diseases. (In Dutch.) Floralia 73:134-135. (Concl.) Apr.29,1953. 80 F6613

60468 RAALTE, D. VAN. Virus diseases. 2. (In Dutch.) Floralia 73:107. Apr.8,1953. 80 F6613

60469 RAYCHAUDHURI, S. P. Reproduction of symptoms resembling internal browning of tomato under greenhouse conditions. Plant Dis. Rptr. 37:220-221. Ref. Apr. 15,1953. 1.9 P69P

60470 RÖNNEBECK, W. Versuche zur minderung der virusverseuchung von kartoffelpflanzgut. Nachrbl. des Deut. Pflanzenschutzdienstes 4:189-190. Dec.1952. 442.9 B832
Preliminary report.

60471 ROSS, H., and KOHLER, E. Das verhalten deutscher kartoffelsorten gegenüber verschiedenen stämmen des X-virus im pfropfversuch. II. Züchter 23:72-86. Ref. 1953. 442.8 Z8

60472 ROZENDAAL, A. External symptoms of virus diseases in plants. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:6-11. 1952. 12 N384

60473 ROZENDAAL, A. Virus and plant. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:15-21. 1952. 12 N384

60474 SAKIMURA, K. Potato virus Y in Hawaii. Phytopathology 43:217-218. Apr.1953. 464.8 P56

60475 SCHLEGEL, D. E., GOLD, A. H., and RAWLINS, T. E. Suppressing effect of radioactive phosphorus on symptoms and virus content of mosaic tobacco plants. Phytopathology 43:206-209. Apr.1953. 464.8 P56

60476 SCHUMACHER, G., and STEUDEL, W. Die vergilbungskrankheit bei zuckerrüben. Landwirt. Z. der Nord-Rheinprov. 120:509-510. Apr.25,1953. 18 L2344

60477 SLYKHUIS, J. T. Wheat streak mosaic in Alberta and factors related to its spread. Canad. J. Agr. Sci. 33:195-197. Mar./Apr.1953. 7 Sci2

60478 SYLVESTER, E. S. Brassica nigra virus transmission;some vector-virus-host plant relationships. Phytopathology 43:209-214. Ref. Apr.1953. 464.8 P56
Tests with Brassica juncea and Myzus persicae.

60479 TANAKA, I., and others. Witches' broom of potatoes in Hokkaido and its host range. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:100-112. Ref. Feb.1953. 107.6 H68
T. Narita, N. Oshima, and T. Goto, joint authors.
English summary.

60480 THOMAS, H. E., and SCOTT, C. E. Rosette of rose. Phytopathology 43:218-219. Apr.1953. 464.8 P56

60481 THOMAS, W. D. Malformation of carnation blossoms caused by aster yellows virus. Plant Dis. Rptr. 37:284. May 15,1953. 1.9 P69P

60482 TRIOREAU, P. Nouvelle contribution à l'étude des maladies à virus du fraisier. Jard. de France 127: 68-78. Mar.1953. 86 So13

60483 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Mosaic disease of peaches: its cause and control. U. S. Bur. Ent. & Plant Quar. PA 224,6 p.-folder. Apr.1953. 1 Ag84Pro

60484 VERHOEVEN, W. B. L. The production of virus-free seed potatoes. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:77-82. 1952. 12 N384

60485 WALRAVE, J. Movement of viruses in the plant. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:22-35. 1952. 12 N384

60486 WANT, J. P. H. VAN DER. Study of viruses outside the living plant. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:53-62. 1952. 12 N384

60487 WATSON, D. J., and WATSON, M. A. Comparative physiological studies on the growth of field crops. III. The effect of infection with beet yellows and beet mosaic viruses on the growth and yield of the sugar-beet root crop. Ann. Appl. Biol. 40:1-37. Ref. Mar.1953. 442.8 An72

60488 WATSON, M. A., and HEALY, M. J. R. The spread of beet yellows and beet mosaic viruses in the sugar-beet root crop. II. The effects of aphid numbers on disease incidence. Ann. Appl. Biol. 40:38-59. Ref. Mar.1953. 442.8 An72

60489 WENZL, H. Die bekämpfung der vergilbungskrankheit der rübe. Pflanzenarzt 6(4):2-3. Apr.1,1953. 464.9 P482

60490 WILLISON, R. S., and WEINTRAUB, M. Studies on stone-fruit viruses in cucurbit hosts. I. A method of evaluating the infectivity of infectious juice. Phytopathology 43:175-177. Apr.1953. 464.8 P56

60491 YUKAWA, Y. The difference in nitrogenous components of radish due to the infection with virus (preliminary report). Yamaguti U. Facul. Agr. B. 3:1-6. Ref. 1952. 107.6 Y14

Diseases Caused by Nematodes

60492 BAKER, A. D. Chemical control of plant-parasitic nematodes. Agr. Inst. Rev. 8(2):21-22. Mar./Apr.1953. 7 Ag8

60493 BAZAN DE SEGURA, C. More about the golden nematode [Heterodera rostochiensis] in Peru. Plant Dis. Rptr. 37:326. May 15,1953. 1.9 P69P

60494 BOSHER, J. E. Potato rot caused by the Iris bulb nematode in British Columbia. Plant Dis. Rptr. 37: 201-202. Apr.15,1953. 1.9 P69P
Ditylenchus destructor and D. dipsaci.

60495 CARROLL, J. Eelworm and insect pests. IX. Agr. Ireland 10:121,123,125. May 1953. 10.5 Ag8

60496 CHRISTIE, J. R. The sting nematode can be controlled by soil fumigation. Down Earth 9:8-9. Summer 1953. 381 D75
Belonolaimus gracilis.

60497 DUNLAP, D. Did you lose money because of nematodes? Agrarian 12(2):12-13. Spring 1953. 276.8 Ag8

60498 FENWICK, D. W., PETERS, B. G., and LIBBEY, R. P. Effects of repeated field injections of D-D mixture against potato-root eelworm. Ann. Appl. Biol. 40:208-214. Mar.1953. 442.8 An72

60499 FM NEMATODE report: enemy underground. Farm Mangt. 2(6):63-74. May 1953. 281.8 F2225

60500 FUKANO, H., and YOKOYAMA, S. Studies on the disinfection of rice seed for control of white tip. II. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:141-143. Sept.1952. 464.9 P562
English summary.
Nematode disease.

60501 GOTO, K., and FUKATSU, R. Studies on white tip of rice plant caused by Aphelenchoides oryzae Yokoo. II. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:57-60. Ref. May 1952. 464.9 P562
English summary.

60502 HOMEYER, B. Die unterscheidung lebender und toter stockälchen (Ditylenchus dipsaci Kühn) durch fluorochromierung mit akridinorange. Nachrbl. des Deut. Pflanzenschutzdienstes 5:8-11. Ref. Jan.1953. 442.9 B832

60503 ICHINOHE, M. On the parasitism of the soy bean nematode, Heterodera glycines. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:113-124. Feb.1953. 107.6 H68
English summary.

60504 KORT, J. Potato fatigue. (In Dutch.) Floralia 73:111. Apr.8,1953. 80 F6613
Due to Heterodera rostochiensis.

60505 MATHER, J. C. New tulip pest a danger to whole industry. Grower [London] 39:827. Apr.25,1953. 286.83 M34
Ditylenchus dipsaci.

60506 MORETON, B. D. Eelworms as pests of mushrooms. MGA Bulletin 41:149-152. May 1953. 80 M97

60507 MULLIN, R. S. Control of sweet potato cracking by soil fumigation. Down Earth 9:15. Summer 1953. 381 D75
Caused by root knot nematodes.

60508 NISHIZAWA, T. On the prevention of the rice nematode disease "sentyu singare byo" by Folidol. (In Japanese.) Botyu-Kagaku 18:1-6. Feb.1953. 421 B65
English summary.

60509 NOKER, A. Nematodes in a greenhouse. Gloxinian 2(5):12-13. Mar./Apr.1953. 96.06 G51
Ornamental plants.

60510 OTEIFA, B. A. Development of the root-knot nematode, Meloidogyne incognita, as affected by potassium nutrition of the host. Phytopathology 43:171-174. Apr.1953. 464.8 P56

60511 RASKI, D. J., and ALLEN, M. W. Control of root-knot nematode [Meloidogyne incognita var. acrita] on cotton. Plant Dis. Rptr. 37:193-196. Apr.15,1953. 1.9 P69P

60512 RASKI, D. J., ALLEN, M. W., and BURTON, V. E. Nematode on cotton; root-knot nematode [Meloidogyne incognita] control by soil fumigation profitable in Kern County. Calif. Agr. [Calif. Sta.] 7(4):8,13. Apr. 1953. 100 C12Cag

60513 RASKI, D. J., and HART, W. H. Observations on the clover root nematode [Heterodera trifolii] in California. Plant Dis. Rptr. 37:197-200. Ref. Apr.15,1953. 1.9 P69P

60514 RONEY-DOUGAL, R. P. Eelworm. Land Agents' Soc. J. 52:186-188. May 1953. 282.9 L22
Great Britain.
Includes comment by E. H. Mostyn.

60515 STEINER, G. Changes in basic concepts in plant nematology. Plant Dis. Rptr. 37:203-205. Apr.15, 1953. 1.9 P69P

60516 TARJAN, A. C., and HOPPER, B. E. Effect of increased photoperiod on egg mass production by the root-knot nematode, Meloidogyne incognita (Kofoid and White) Chitwood. Plant Dis. Rptr. 37:313-314. May 15,1953. 1.9 P69P
Tests with tomatoes.

60517 TARJAN, A. C. Geographical distribution of some Meloidogyne spp. in Israel. Plant Dis. Rptr. 37:315-316. May 15,1953. 1.9 P69P

60518 THAMES, W. H., and STONER, W. N. A preliminary trial of lowland culture rice in rotation with vegetable crops as a means of reducing root-knot nematode infestations in the Everglades. Plant Dis. Rptr. 37: 187-192. Ref. Apr.15,1953. 1.9 P69P

60519 VECHT, J. VAN DER, and BERGMAN, B. H. H. Studies on the nematode, Radopholus oryzae (Van Breda de Haan) Thorne and its influence on the growth of the rice plant. Indonesia. Gen. Agr. Res. Sta. Contrib. 131, 82 p. Ref. Aug.1952. 109.5 Ea73

60520 WINSLOW, R. D. Hatching responses in some Heterodera species. Ann. Appl. Biol. 40:225-226. Mar. 1953. 442.8 An72

ECOLOGY

60521 ANZALONE, B. Flora and vegetation of the walls of Rome. (In Italian.) Ann. di Bot. 23:393-497. Ref. Dec.31,1951. 450 An71
English summary.
An ecological study.

60522 ARIKADO, H. Some ecological characters and application of joint-to-joint analysis in sorgo plant. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:54-55. Nov. 1952. 22.5 C88
English summary.

60523 BEADLE, N. C. W., and COSTIN, A. B. Ecological classification and nomenclature. Linn. Soc. N. S. Wales. Proc. 77:61-82. Ref. 1952. 514 Sy2
Vegetation in Australia.
Pasture classification by C. W. E. Moore.

60524 BEARD, J. S. The Savanna vegetation of northern tropical America. Ecol. Monog. 23:149-215. Ref. Apr.1953. 410 Ec72

60525 CAPOULADE-MIMEUR, G. Essai sur le mécanisme de peuplement steppique. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:148-158. Mar./Apr.1953. 26 R323

60526 CHEVALIER, A. La négation de la notion des associations végétales telles qu'elles sont admises par le système de J. Braun-Blanquet pour les pays tempérés et par des auteurs récents pour la grande forêt tropicale d'Afrique. Acad. des Sci. Compt. Rend. 236:1520-1523. Apr.20,1953. 505 P21

60527 CHEVALIER, A. Le remplacement des associations végétales par la notion des biotopes pour désigner les groupements végétaux. Acad. des Sci. Compt. Rend. 236:1621-1624. Apr.27,1953. 505 P21

60528 CORILLION, R. Synthèse phytosociologique des halipèdes du Nord de la Bretagne (Finistère à Ile-et-Vilaine). Acad. des Sci. Compt. Rend. 236:1440-1442. Apr.8,1953. 505 P21

60529 DAUMAS, P., QUEZEL, P., and SANTA, S. Contribution à l'étude des groupements végétaux rupicoles d'Oranie. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:186-202. Oct./Dec.1952. 410.9 So125

60530 EIDMANN, F. E. Zur entwicklungsdynamik westamerikanischer waldgesellschaften. Forstarchiv 24: 59-64. Mar.15,1953. 99.8 F7723
English summary.

60531 HEERDT, P. F. VAN, and BRUIJNS, M. F. M. Biocoenological investigation of the sea dunes at Terschelling. (In Dutch.) Levende Nat. 56:63-67. (Cont.) Apr.1953. 410 L57

60532 HERTEL, R. J. G. Contribution to a study of plant associations. (In Portuguese.) Dusenia 3:463-470. Nov.30,1952. 410 D94
German summary.

60533 HINO, I. Plants and plant associations as natural monuments in Yamaguti Prefecture. 1. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:105-116. 1952. 107.6 Y14
English summary.

60534 ISRAELSTAM, G. F. Comparison of microclimatic conditions in fallow and ruderal communities. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:6-10. 24 J59

60535 IWAMA, S., HAMASHIMA, N., and SERIZAWA, M. Ecological studies on vegetables at the regions of different altitude. 1. (In Japanese.) Hort. Soc. Japan. J. 21:241-250. Ref. Mar.1953. 87 H78
English summary.

60536 JAFRI, S. M. H., and TURK, F. M. The biological spectrum of the Karachi flora. Pakistan J. Forestry 3:39-44. Ref. Jan.1953. 99.8 P17

60537 LEFORT, L. Le tapis végétal de Dudelange. Luxemburg. Mus. d'Hist. Nat. Serv. de la Carte des Groupements Vég. [Etudes] 8,8 p. 1952. 459.4 L97

60538 LISTER, M., and KERRICH, J. E. A study of a hydrosere in relation to the water table. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:11-13. 24 J59

60539 LÖTSCHERT, W. Der ölbaum als charakterpflanze Südfrankreichs und der Mittelmeer-Länder. Nat. u. Volk 82:139-144. May 1,1952. 509 F856

60540 LOUIS-MARIE, PÈRE. La structure de la végétation d'Oka. Rev. d'Oka 27:29-40. Ref. Mar./Apr. 1953. 7 Ok1

60541 MALIN, J. C. Soil, animal, and plant relations of the grassland, historically reconsidered. Sci. Mon. 76: 207-220. Ref. Apr.1953. 470 Sci23

60542 MARCET, E. Zum ökologischen verhalten verschiedener pappelsorten. Allg. Forstz. 8:226-229. Apr. 29,1953. 99.8 AL52

60543 MATHON, C. C. L'écologie du développement des céréales. Etude critique des techniques sommaires d'analyse stadiale. I-II. Soc. Bot. de France. B. 99:268-272,281-284. Oct./Dec.1952. 451 F84B

60544 MOROJELE, C. M. H. Plant succession studies. First interim report on fallows fertility experiment. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:4-5. 24 J59

60545 MOROJELE, C. M. H. Some investigations into the line transect method. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:13-14. 24 J59
In plant ecology.

60546 NIERING, W. A. The past and present vegetation of High Point State Park, New Jersey. Ecol. Monog. 23:127-148. Ref. Apr.1953. 410 Ec72

60547 NOIRFALISE, A. Étude d'une biocénose; la frênaie à Carex (Cariceto remotae-Fraxinetum Koch, 1926). Inst. Roy. des Sci. Nat. de Belg. Mem. 122,185 p. 1952. 504 B835

60548 OBERDORF, F. Ein beitrag zur steigerung und sicherung unserer erträge durch pflanzengemeinschaften. Deut. Landwirt. 4:113-116. Mar.1953. 18 D4822

60549 RENSCH, B. Biologische eindrücke in Südost-Australien. Nat. u. Volk 82:144-151,174-183,213-221. May 1-July 1,1952. 509 F856 486.

60550 RIVALS, P. Études sur la végétation naturelle de l'Ile de la Réunion. Toulouse. U. Lab. Forest. Travaux 5(sect.3,v.1,art.2),214 p. 1952. 99.9 T64

60551 ROOS, P. Die pflanzengesellschaften der dauerweiden und hutungen des Westerwaldes und ihre beziehungen zur bewirtschaftung und zu den standortsverhältnissen. Z. f. Acker- u. Pflanzenbau 96:111-133. Ref. Mar.1953. 18 J825

60552 SAVORY, H. J. A note on the ecology of Rhizophora in Nigeria. Kew B. 1:127-128. 1953. 451 K51B

60553 SIEBERT, A. Pflanzensoziologie und ertragssteigerung. Akad. f. Raumforsch. u. Landesplanung. Umschaudienst 1/2:89-128. 1952. 280.9 Ak13

60554 SILLANS, R. Contribution à l'étude phytogéographique des savanes du Haut-Oubangui. Mus. Natl. d'Hist. Nat. B. (ser.2)24:478-484. Oct.1952. 410.9 P213

60555 WOLFE, J. N. Microclimates along the highways. Ohio. State U. Short Course Roadside Devlpmt. 11: 121-130. 1952. 288.9 Oh3

60556 YANG, T. W. Distribution of Larrea tridentata in the Tucson area as determined by certain physical and chemical factors of the habitat. (Abs.) J. Range Mangt. 6:158. May 1953. 60.18 J82

MORPHOLOGY, ANATOMY, AND CYTOLOGY

60557 AYKIN, S. Hygromorphic stomata in xeromorphic plants. Istanbul. U. Fen Fakül. Mecmuasi. Ser. B, Tabif Ilimler 18:75-90. Ref. Jan.1953. 475 Is7

60558 BOYLE, W. S. Principles and practice in plant cytology. Minneapolis,Burgess,1953. 56 p. 463.43 B71

60559 BÜNNING, E. Weitere untersuchungen über die differenzierungsvorgänge in wurzeln. Z. f. Bot. 40: 385-406. Ref. 1952. 450 Z32

60560 CALANDRON, A. Multiconjugaisons chez les champignons levuriformes à pigment noir. Acad. des Sci. Compt. Rend. 236:1598-1600. Apr.20,1953. 505 P21

60561 CARPIO, M. D. A. Nota sobre la cariologia de dos especies del genero "Opuntia." Genét. Ibérica 4:47-62. 1952. 443.8 G28
English summary.

60562 CHAMPAGNAT, M. Remarques caryologiques et génétiques sur quelques Chaenorrhinum du groupe minus. Soc. Bot. de France. B. 99:301-304. Oct./Dec. 1952. 451 F84B

60563 COE, G. E. Cytology of reproduction in Cooperia pedunculata. Amer. J. Bot. 40:335-343. Ref. May 1953. 450 Am36

60564 COUTINHO, L. DE A. Taxonomic possibilities of cytogenetics. (In Portuguese.) Genét. Ibérica 4:21-42. 1952. 443.8 G28
Plants.

60565 CRÉTÉ, P. Embryologie des Bignoniacées. Les premiers stades du développement de l'albumen chez l'Ampicome arguta Royle. Soc. Bot. de France. B. 99: 315-318. Oct./Dec.1952. 451 F84B

60566 CRÉTÉ, P. Embryologie des Scrofulariacées. Développement de l'albumen et de l'embryon chez le Teedia lucida (Soland.) Rud. Soc. Bot. de France. B. 99: 266-268. Oct./Dec.1952. 451 F84B

60567 CROWDER, L. V. A survey of meiotic chromosome behavior in tall fescue grass [Festuca arundinacea]. Amer. J. Bot. 40:348-354. Ref. May 1953. 450 Am36

60568 CUNHA, A. G. DA. Sur l'activité élaboratrice du chondriome chez des cellules sécrétrices végétales. Soc. Broteriana. B. (ser.2)26:203-209. Ref. 1952. 451 C66

60569 D'AMATO, F. The cytological study of chemical mutagens. Genét. Ibérica 4:1-19. Ref. 1952. 443.8 G28
Includes plants.

60570 EBES, K. The thickness of bark and bark per dm^2 of Cinchona. Netherlands J. Agr. Sci. 1:54-58. Feb. 1953. 12 N3892

60571 FARINHA, M., and ROSADO, J. M. Morphological anatomical and cultural characters of Polyporus ulicis Boud. Soc. Broteriana. B. (ser.2)26:193-201. 1952. 451 C66

60572 FRANCHINO, A. Embryological observations on Calodendron capense Thunb. (In Italian.) Ann. di Bot. 23:505-513. Ref. Dec.31,1951. 450 An71
English summary.

60573 FUJII, Y. Aerenchyma in the roots and leaves of rice plants. I-II. (In Japanese.) Saga U. Agr. B. 1:1-16. Oct.1952. 107.6 Sa13
English summary.
I, On the stomata and the intercellular spaces in the roots and leaves of the seedling of rice plants; II, Stomata of the coleoptiles.

60574 GAUTHERET, R. J. Recherches anatomiques sur la culture des tissus de rhizomes de topinambour et d'hybrides de soleil et de topinambour. Rev. Gen. de Bot. 60:129-173. (Cont.) Mar.1953. 450 R326

60575 GUNCKEL, J. E., and others. Vegetative and floral morphology of irradiated and non-irradiated plants of Tradescantia paludosa. Amer. J. Bot. 40:317-332. Ref. May 1953. 450 Am36
A. H. Sparrow, I. B. Morrow, and E. Christensen, joint authors.

60576 GUNIER, P. Le cycle végétatif du Colchicum alpinum DC. Soc. Bot. de France. B. 99:288-290. Oct./Dec.1952. 451 F84B

60577 GURGEL, J. T. A. Polyembryony and adventitious embryogeny in Citrus, Mangifera and Eugenia. (In Portuguese.) Dusenia 3:443-450. Ref. Nov.30,1952. 410 D94

60578 HEIN, G. Deviations in the structure of the flowers of strawberries effected by short-day treatment. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:269-271. Apr.1953. 86 N384
English summary.

60579 HOLMEN, K. Cytological studies in the flora of Peary Land, North Greenland. Meddel. om Grønland 128(5),40 p. Ref. 1952. 502 C792

60580 HONSELL, E. On the variation of the vacuolar system, during digestion, of the glandular hairs of the ascidia of Utricularia vulgaris L. (In Italian.) Ann. di Bot. 23:513-521. Ref. Dec.31,1951. 450 An71
English summary.

60581 KATAYAMA, T. An asynaptic caster-oil plant (Ricinus communis L.). (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:1-6. Feb.1953. 107.6 K995B
English summary.

60582 KATO, Y. Descriptive and experimental cytology in Allium. 1. The formation of micropollen grains, with some notes on spontaneous chromosome aberrations in Allium odorum. Jap. J. Genet. 27:148-156. Ref. Dec. 1952. 442.9 J27

60583 KOBAYASHI, T., and SHIMAMURA, T. Morphological and cytological studies on induced polyploidy in Sesamum indicum L. Jap. J. Genet. 27:157-171. Ref. Dec.1952. 442.9 J27

60584 KRUPKO, S. Karyological studies and chromosome numbers in Hyparrhenia aucta and H. hirta. (Abs.) U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:62-64. 24 J59
With a note on the Taxonomic history of the species of Hyparrhenia by H. B. Gilliland.

60585 KUMAR, L. S. S. Doubling of chromosomes induced by gloriosine isolated from Gloriosa superba, Linn. Nature [London] 171:791-792. May 2,1953. 472 N21

60586 KUPPERS, J. R. Some biometric observations on cacao fruit. Science 117:354-355. Apr.3,1953. 470 Sci2

60587 KÜSTER, E. Über die zertrümmerung lebendigen protoplasmas in pflanzenzellen. Protoplasma 42:100-102. Ref. 1953. 442.8 P94

60588 LEBÈGUE, A. Embryogénie des Parnassiacées. Développement de l'embryon chez le Parnassia palustris L. Acad. des Sci. Compt. Rend. 236:1693-1695. Apr.27,1953. 505 P21

60589 LEBÈGUE, A. L'embryogenèse du Clarkia elegans Lindl. (Oenothéracée). Soc. Bot. de France. B. 99:310-312. Oct./Dec.1952. 451 F84B

60590 LEBÈGUE, A. La polyembryonie chez les Angiospermes. Soc. Bot. de France. B. 99:329-367. Ref. Oct./Dec.1952. 451 F84B

60591 LEBÈGUE, A. Recherches sur la polyembryonie chez les Rosacées (g. Fragaria et Alchemilla). Soc. Bot. de France. B. 99:273-275. Ref. Oct./Dec.1952. 451 F84B

60592 LEBÈGUE, A. Trois exemples de polyembryonie chez le Peltiphyllum peltatum Engl. Soc. Bot. de France. B. 99:254-256. Oct./Dec.1952. 451 F84B

60593 LEE, C. L. Structure and development of hypodermis in Dacrydium taxoides leaves. Amer. J. Bot. 40:366-371. Ref. May 1953. 450 Am36

60594 MERGENTHALER-PAULEN, M. Die spannungsverhältnisse in einigen aufrechten, zylindrischen pflanzenorganen. Z. f. Bot. 40:363-384. 1952. 450 Z32

60595 MOHRDIECK, K. H. Observations on the chromosome numbers of Trifolium riograndense Burkart. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:210-214. Sept.1952. 9.2 R325

60596 MUNDKUR, B. D. Mitochondrial distribution in Saccharomyces. Nature [London] 171:793-794. May 2, 1953. 472 N21

60597 NEVES, J. DE B. Karyological studies in the genus Ornithogalum L. (In Portuguese.) Soc. Broteriana. B. (ser.2)26:5-192. Ref. 1952. 451 C66

60598 NICOLAI, E., and PRESTON, R. D. Variability in the X-ray diagram of the cell walls of the marine alga Spongomorpha. Nature [London] 171:752-753. Apr.25, 1953. 472 N21

60599 NODA, K. A study of tuberization in potato plant. 6. A consideration upon the process of tuberization, based on the cytological observations. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:138-139. Nov.1952. 22.5 C88
English summary.

60600 PATHAK, G. N., and SINGH, S. N. Teratological studies in the genus Luffa. Indian J. Hort. 10:16-18. Mar.1953. 80 In2

60601 PINTO, M. C. DE R. Sur l'optique et la structure chloroplastonematique d' "Anthoceros laevis" L. Genét. Ibérica 4:63-67. 1952. 443.8 G28

60602 PRAKASH, R., and CHATTERJEE, B. Cytological study of Solanum macranthum Dun. Cur. Sci. 22:84-85. Mar.1953. 475 Sci23

60603 PRESTON, R. D., NICOLAI, E., and KUYPER, B. Electron microscopic investigations of the walls of green algae. II. The cytoplasm-wall relationship in freeze-dried Valonia macrophysa. J. Expt. Bot. 4(10):40-43. Feb.1953. 450 J8224

60604 RAO, L. S. P., and SUBRAMANIAM, M. K. Studies on the cytology of yeasts. VII. Indian Acad. Sci. Proc. Sect. B 37:72-80. Ref. Feb.1953. 513 In25B

60605 RAO, N. S., and DATTA, R. M. Chromosomes of the genus Corchorus. Nature [London] 171:754. Apr. 25,1953. 472 N21

60606 RAUH, W., and REZNIK, H. Histogenetische untersuchungen an blüten und infloreszenzachsen. II. Beitr. z. Biol. der Pflanzen 29:233-296. Ref. Feb.1,1953. 450 C66

60607 RODIN, R. J. Seedling morphology of Welwitschia. Amer. J. Bot. 40:371-378. Ref. May 1953. 450 Am36

60608 SAYEEDUD-DIN, M. Observations on the anatomy of some of the Convolvulaceae. Indian Acad. Sci. Proc. Sect. B 37:106-109. Mar.1953. 513 In25B

60609 SCHITTENGRUBER, B. Chromoplasten fehlen den schliesszellen. Protoplasma 42:102-104. 1953. 442.8 P94

60610 SEKI, H. Cytological studies in Moraceae. III. (In Japanese.) J. Sericult. Sci. Japan 21:211-215. Ref. Oct.1952. 425.9 Se6

60611 SEKI, H. Cytological studies in Moraceae. IV. (In Japanese.) J. Sericult. Sci. Japan. 21:229-231. Ref. Dec.1952. 425.9 Se6

60612 SÖLLNER, R. Quatrième contribution à la cytologie du genre Cerastium. Acad. des Sci. Compt. Rend. 236:1503-1505. Apr.13,1953. 505 P21

60613 TIMMERMANS, A. Polarity. Are Cacti an exception? (In Dutch.) Succulenta 3:44-45. May/June 1953. 450 Su12

60614 VAUGHAN, J. G., and JONES, F. R. Structure of the angiosperm inflorescence apex. Nature [London] 171:751-752. Apr.25,1953. 472 N21

60615 VENTURA, M. Observations on the origin of adventitious roots on the stem. (In Italian.) Ann. di Bot. 23:534-547. Dec.31,1951. 450 An71
English summary.
In Ipomoea spp. and Solanum jasminoides.

60616 VERVELDE, G. J. The agricultural value of awns in cereals. Netherlands J. Agr. Sci. 1:2-10. Ref. Feb.1953. 12 N3892

60617 WATANABE, Y. Studies on meiosis, morphology and fertility in F_1 hybrids, Triticum timopheevi Zhuk x Triticum vulgare Vill. (In Japanese.) Jap. J. Breeding 2:173-177. Ref. Mar.1953. 64.8 J27
English summary.

GENETICS

60618 AKERBERG, E., and BINGEFORS, S. Progeny studies in the hybrid Poa pratensis x Poa alpina. Hereditas 39:125-136. Ref. 1953. 442.8 H42

60619 ALCARAZ, E. Genética del tabaco. Euclides 13:160-163. (Cont.) Apr.1953. 475 Eu2

60620 BERNSTRÖM, P. Increased crossability in Lamium after chromosome doubling. Hereditas 39:241-256. Ref. 1953. 442.8 H42

60621 BÖCHER, T. W., LARSEN, K., and RAHN, K. Experimental and cytological studies on plant species. I. Kohlrauschia prolifera and Plantago coronopus. Hereditas 39:289-304. Ref. 1953. 442.8 H42

60622 BURKART, A., and BRUCHER, H. Phaseolus aborigineus Burkart, die mutmassliche andine stammform der kulturbohne. Züchter 23:65-72. Ref. 1953. 442.8 Z8
English summary.

60623 CAÑIZARES ZAYAS, J. Marti, naturalista en su itinerario último. Rev. de Agr. [Habana] (ser.8)36: 42-48. July 1952/Mar.1953. 8 Ag88Re
Includes vegetation.

60624 DENNETT, R. K., and LARSON, R. E. Inheritance of fruit shape, locule number and stem color in derivatives of a hybrid of Lycopersicon esculentum and Lycopersicon peruvianum. Pa. Agr. Expt. Sta. B. 563, 30 p. Ref. Feb.1953. 100 P381

60625 DUNN, G. M., KRAMER, H. H., and WHISTLER, R. L. Gene dosage effects on corn endosperm carbohydrates. Agron. J. 45:101-104. Ref. Mar.1953. 4 Am34P

60626 FORLANI, R. Observations on some artificial allopolyploids with particular reference to the size of the pollen grains. (In Italian.) Genet. Agr. 3:264-272. Ref. Feb.28,1953. 450 G28
English summary.
In grain.

60627 GRANHALL, I. X-ray mutations in apples and pears. Hereditas 39:149-155. 1953. 442.8 H42

60628 GUSTAFSSON, Å. The cooperation of genotypes in barley. Hereditas 39:1-18. Ref. 1953. 442.8 H42

60629 HAGBERG, A. Heterozygosity in erectoides mutations in barley. Hereditas 39:161-178. Ref. 1953. 442.8 H42

60630 HAGBERG, A. Seed-setting in Dubbelstålråg (a variety of tetraploid rye) grown in close vicinity of diploid rye. (In Swedish.) Sveriges Utsädesför. Tidskr. 63:63-69. 1953. 61.9 Sv23
English summary.

60631 HÅKANSSON, A. Endosperm formation after 2x, 4x crosses in certain cereals, especially in Hordeum vulgare. Hereditas 39:57-64. Ref. 1953. 442.8 H42

60632 HALLQVIST, C. Change of dominance in different genic environments. Hereditas 39:236-240. 1953. 442.8 H42
In plants.

60633 HAYASE, H. Cucurbita-crosses. IV. The development of squash fruit as affected by placement of pollen on stigma. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:22-25. Feb.1953. 107.6 H68
English summary.

60634 HEINISCH, O. Die vorteile der anwendung von summenverfahren bei der variationsstatistischen auswertung von züchterischen ergebnissen. Z. f. Pflanzenzücht. 32:7-26. Ref. Feb.1953. 450 Z36

60635 IKEDA, N. Genetical studies on the length of the rice-grain and the gene's effects to the panicle-length. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:109-110. Nov.1952. 22.5 C88
English summary.

60636 JOHNSON, I. J., and ELDREDGE, J. C. Performance of recovered popcorn inbred lines derived from outcrosses to dent corn. Agron. J. 45:105-110. Mar.1953. 4 Am34P

60637 KAPPERT, H. Die vererbungswissenschaftlichen grundlagen der züchtung. Ed. 2, rev. and enl. Berlin,Parey,1953. 335 p. 463.6 K14
Plants.

60638 KATAYAMA, Y., and SHIDA, S. Mutable behaviour of plastids in a variegated strain of rice. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:108. Nov. 1952. 22.5 C88
English summary.

60639 KELLETT, E. G. Essential oils; some botanical problems in the essential oil industry. Perfumery & Essential Oil Rec. 44:147-148,157. Apr.1953. 308.8 P41
Genetics.

60640 KHAN, A. H. Variations in the genetic segregation in two characters of the cotton plant. Pakistan J. Sci. Res. 4:83-94. Ref. In Pakistan J. Sci. 4(3). July 1952. 475 P172

60641 KISHIKAWA, H. On the crossing results and produced peculiar F_1 plant between tetraploid and diploid races in Oryza sativa, L. (In Japanese.) Saga U. Agr. B. 1:47-55. Ref. Oct.1952. 107.6 Sa13
English summary.

60642 KÖLMARK, G. Differential response to mutagens as studied by the Neurospora reverse mutation test. Hereditas 39:270-288. Ref. 1953. 442.8 H42

60643 KÖLMARK, G., and WESTERGAARD, M. Further studies on chemically induced reversions at the adenine locus of Neurospora. Hereditas 39:209-224. Ref. 1953. 442.8 H42

60644 KRISPIN, S. Vegetative hybridisation technique. (In Hebrew.) Hassadeh 33:329-333. Feb./Mar.1953. 26 H27

60645 KUWADA, H. Studies on the differences of physiological and ecological characteristics of the artificially raised amphidiploid in comparison with those of the parents. 8. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:180-184. Nov.1952. 22.5 C88
English summary.

60646 LAMM, R. Investigations on some tuber bearing Solanum hybrids. Hereditas 39:97-112. Ref. 1953. 442.8 H42

60647 LANDSKRONA. Weibulls illustrerade årsbok för växtförädling och växtodling [Weibull's illustrated yearbook for plant breeding and plant culture]. Weibulls Illus. Årsb. 48,64 p. Spring 1953. 64.9 L232

60648 LÖVE, A. Subarctic polyploidy. Hereditas 39: 113-124. Ref. 1953. 442.8 H42
In plants.

60649 LUNDQVIST, A. Inbreeding of autotetraploid rye. Hereditas 39:19-32. Ref. 1953. 442.8 H42

60650 MANUNTA, C. Genetic analysis of the F_3 population of the crosses between Lycopersicon esculentum and L. hirsutum. Selection of tomato varieties characterized by high provitamin A and vitamin C content. (In Italian.) Genet. Agr. 3:235-263. Ref. Feb.28,1953. 450 G28
English summary.

60651 MANUNTA, C. Recent studies on the gene (t= tangerine) that influences the synthesis of prolycopene in the tomato. (In Italian.) Genet. Agr. 3:204-214. Feb.28, 1953. 450 G28
English summary.

60652 MENEZES, O. B. DE. Preliminary notes for a genetic study of the genus Luffa. (In Portuguese.) Dusenia 3:395-402. Nov.30,1952. 410 D94
English summary.

60653 MICHAELIS, P. Der nachweis einer plasmavererbung beim weidenröschen [Epilobium]. Umschau 53: 266-270. May 1,1953. 474 Um7

60654 MIZUSHIMA, U., and KATSUO, K. A new case of incompatibility in Brassica oleracea L. (In Japanese.) Jap. J. Breeding 2:121-125. Ref. Mar.1953. 64.8 J27
English summary.
Cabbage variety, Summer.

60655 NAKAHIRA, K. Studies on the breeding of trees used for a special purpose. II. On the fertility of Edgeworthia papyrifera. (In Japanese.) Jap. J. Breeding 2:150-152. Mar.1953. 64.8 J27
English summary.

60656 NAKAJIMA, G. Genetical and cytological studies in the breeding of amphidiploid types between Triticum and Secale. IV. (In Japanese.) Jap. J. Breeding 2:178-184. Mar.1953. 64.8 J27
English summary.

60657 NAKAMURA, N., and TATE, S. On the F_1 hybrid seed corn production used advanced generation as parents. (In Japanese.) Jap. J. Breeding 2:142-146. Ref. Mar.1953. 64.8 J27
English summary.

60658 NILSSON, H. Über die entstehung der selbstfertilität beim roggen. Hereditas 39:65-74. Ref. 1953. 442.8 H42

60659 NODA, S. A new karyotype of Allium cepa L., containing three nucleolar chromosomes (a preliminary note). (In Japanese.) Jap. J. Genet. 27:173-175. Dec. 1952. 442.9 J27
English summary.

60660 NYBOM, N. Some experiences from mutation experiments in Chlamydomonas. Hereditas 39:317-324. 1953. 442.8 H42

60661 NYGREN, A. How to breed Kentucky bluegrass, Poa pratensis L. Hereditas 39:51-56. Ref. 1953. 442.8 H42

60662 ÖSTERGREN, G., and VIGFUSSON, E. On position correlations of univalents and quasi-bivalents formed by sticky univalents. Hereditas 39:33-50. Ref. 1953. 442.8 H42
In plants.

60663 OTSUKI, T. Studies on the polyploidy in pyrethrum flower. I. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:12-21. Feb.1953. 107.6 H68
English summary.

60664 PAJBJERGFONDEN. Pajbjergfondens forsøgs- og foraedlingsarbejde [Experiments and research of the Pajbjerg Endowment], 1952. 59 p. n.p.,1952. 64.9 P16
English summary.
Plant breeding and research in Denmark.

60665 PRYOR, L. D. A compound Eucalyptus hybrid. Linn. Soc. N. S. Wales. Proc. 77:361-363. 1952,pub.Jan. 20,1953. 514 Sy2

60666 PLAUT, W. S. The effect of B chromosomes on the variegated pericarp phenotype in maize. Amer. J. Bot. 40:344-348. Ref. May 1953. 450 Am36

60667 RASMUSSON, J. Autotetraploid sugar beets; vitality changes in subsequent generations. Hereditas 39: 257-269. 1953. 442.8 H42

60668 SACHS, L. The occurrence of hybrid semilethals and the cytology of Triticum macha and Triticum vavilovi. J. Agr. Sci. 43:204-213. Ref. Apr.1953. 10 J822

60669 SAITO, K. Studies on inducing polyploid plants of some cucurbits and their utilization. I. On polyploid plants of Luffa cylindrica. (In Japanese.) Jap. J. Breeding 2:147-149. Mar.1953. 64.8 J27
English summary.

60670 SAMPAYO, T. M. An inversion occurring in an F_1 hybrid between two strains of "Oriza sativa" L. Genet. Ibérica 4:43-45. 1952. 443.8 G28

60671 SAMVIRKENDE LANDBOFORENINGER I FYNS STIFT. PLANTEAVLSUDVALGET. Beretning om planteavlsarbejdet i landboforeningerne i Fyns stift [Report on the plant breeding work in Fyn Province] 1952. København,1953. 140 p. 11 F963

60672 SANDAL, P. C., and JOHNSON, I. J. Mechanisms of self- and cross-incompatibility in sweetclover, Melilotus officinalis Lam. Agron. J. 45:96-101. Ref. Mar.1953. 4 Am34P

60673 SCHLENKER, G. Züchtungen und untersuchungen in der sektion leuce der gattung Populus. Allg. Forstz. 8:229-231. Apr.29,1953. 99.8 AL52

60674 SKOVSTED, A. Some colchicine experiments with hops (Humulus). Hereditas 39:156-160. 1953. 442.8 H42

60675 SPENCER, J. L., SINGLETON, W. R., and BLAKESLEE, A. F. Induced pollen lethals from seeds of Datura stramonium treated with thermal neutrons. Natl. Acad. Sci. Proc. 39:288-292. Apr.1953. 500 N21P

60676 STADLER, L. J., and NUFFER, M. G. Problems of gene structure. II. Separation of R^r elements (S) and (P) by unequal crossing over. (Abs.) Science 117: 471. Mar.1,1953. 470 Sci2
Plant genes.

60677 TERRA, P. Étude génétique du phénomène de Buller chez Cytidia flocculenta (Fr.), Leucoporus brumalis (Pers.) et Schizophyllum commune Fr. Acad. des Sci. Compt. Rend. 236:1438-1440. Apr.8,1953. 505 P21

60678 TSUDA, C. Fundamental studies on the breeding of mint. 1. On the somatic chromosome numbers of Japanese and Chinese peppermints. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:178-179. Nov.1952. 22.5 C88
English summary.

60679 UEKI, K. The percentage of natural crossing in Japanese barley. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:37-38. Nov.1952. 22.5 C88
English summary.

60680 VAARAMA, A. Chromosome fragmentation and accessory chromosomes in Orthotrichum tenellum. Hereditas 39:305-316. Ref. 1953. 442.8 H42

60681 WULFF, H. D., and HELDT, L. Uber die genealogie und mikrosporogenese der lambertianarose "Hamburg." Züchter 23:87-93. Ref. 1953. 442.8 Z8

60682 YAMADA, T., and HORIUCHI, S. I. Studies on the occurrence and mechanism of non-genetic variation due to competition among different types of plant. I. On the warp of normal phenotypes due to the competition among different barley varieties. (In Japanese.) Jap. J. Breeding 2:159-172. Ref. Mar.1953. 64.8 J27

60683 YOST, H. T., SINGLETON, W. R., and BLAKESLEE, A. F. The effect of thermal neutron radiation on the chromosomes of Datura. Natl. Acad. Sci. Proc. 39: 292-297. Apr.1953. 500 N21P

PHYSIOLOGY

60684 ABERDEEN, J. E. C. Investigations on the phytotoxicity of bordeaux mixture to tomatoes. Queensland J. Agr. Sci. 9:1-40. Ref. Mar.1952. 23 Q37

60685 ADACHI, K. A view on the relation between weather and wheat crop. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:162-163. Nov.1952. 22.5 C88
English summary.

60686 ANHAEUSSER, H. Keimung und schlauchwachstum des gymnospermenpollens unter besonderer berücksichtigung des wuchsstoffproblems. Beitr. z. Biol. der Pflanzen 29:297-338. Ref. Feb.1,1953. 450 C66

60687 ARAI, K. The fundamental study of the germination of the white potato. 1. The chemical variation of the reserve carbohydrates during the germination period. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21: 41-42. Nov.1952. 22.5 C88
English summary.

60688 ARLAND. Transpirationsintensität, mineraldüngung, ertragshöhe und ertragssicherheit. Ernähr. der Pflanze 1/2:2-21. Jan./Feb.1953. 57.8 Er62

60689 ASPITARTE, T. R., BOLLEN, W. B., and MILLER, P. W. Effects of some antibiotics and bactericides on growth of Xanthomonas juglandis and X. corylina. Plant Dis. Rptr. 37:263-265. Ref. May 15,1953. 1.9 P69P

60690 ASSCHE, F. VAN. Factors influencing growth and cluster formation of tomatoes. (In Flemish.) Tuinbouwberichten 17:38-39,40. Mar.15,1953. 80 T817

60691 AZZI, G. The unitary representation of physical environment (soil and climate). (In Italian.) Riv. di Ecol. 2:243-247. 1952. 410 R522
English summary.
With reference to corn.

60692 BABA, I., TAKAHASHI, Y., and IWATA, I. Studies on the nutrition of rice with reference to Helminthosporium disease (preliminary report. II. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:98-99. Nov.1952. 22.5 C88
English summary.

60693 BABA, I. Studies on the straight head of rice (preliminary report). I. Relation between the kinds of soil and the occurrence of straight head. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:96-97. Nov.1952. 22.5 C88
English summary.

60694 BADENHUIZEN, N. P. Swollen starch grains and osmotic cells. Experientia 9:136-138. Apr.15,1953. 475 Ex7

60695 BALASUBRAMANIAN, R., and IYENGAR, N. K. Effect of environment on genotypes in cotton. Indian Cotton Growing Rev. 7:31-37. Ref. Jan.1953. 72.8 In2

60696 BALL, E. Studies of the accumulation of certain radioisotopes by a callus culture. Amer. J. Bot. 40: 306-316. Ref. May 1953. 450 Am36
Tests with Sequoia sempervirens.

60697 BARACCO GANDOLFO, A. El sulfato de zinc como estimulante de los rendimentos en el cultivo de la papa. Serv. Coop. Interamer. de Prod. de Aliment. Ser. Inform. Téc. 69,3 p. Sept.1952. 9.8 Se6
Seed treatment.

60698 BARBOSA, A. J. A infecção, o poder germinativo e a perda de peso da semente de algodão em função do ataque de insectos sugadores [Infec ..., germinating power and loss of weight of cotton seed in relation to the attack of sucking insects]. Cent. de Invest. Cient. Algodoeira. Mem. e Trab. 4:45-56. June 1952. 72.9 L93M
English summary.
Dysdercus and Oxycarenus.
From Revista da Faculdade de Ciencias de Lisboa.

60699 BÄRMANN, C. Phosphatdüngung und mineralstoffgehalt von wiesenheu. Phosphorsäure 13:145-157. Ref. 1953. 57.8 P563

60700 BASTIANONI, M. The influence of temperature on the tillering of winter wheats. (In Italian.) Riv. di Ecol. 2:255-263. 1952. 410 R522
English summary.

60701 BATJER, L. P. Growth regulators on apples and pears. Amer. Fruit Grower 73(5):13-14. May 1953. 80 G85

60702 BECKER, A. Achtet auf den wassergehalt des saatgetreides. Saatgut-Wirt. 5:62. Mar.1953. 61.8 Sa1

60703 BEERS, Z. H. Tissue test for more corn this year—and next! Successful Farming 51(6):42-43, 118-119. June 1953. 6 Su12

60704 BERGH, H. Some investigations carried out with radiozinc added to soil growing Pisum s. medullare. I-II. Norske Vidensk. Selsk. Forhandl. 25(16):65-67(17): 68-71. Ref. Nov.4,1952. 502 T41F

60705 BERGH, H. Zinc as plant nutrient and plant toxic. II. Norske Vidensk. Selsk. Skr. 4,33 p. 1952,pub. 1953. 502 T41S

60706 BERTOSSI, F., and CAPOZZI, A. Action of maleic hydrazide on callus formation of plant tissues in vitro. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1117-1118. June 1952. 442.8 So12

60707 BISSETT, W. J., and ANDREW, C. S. The effect of nitrogen on the yield, nitrogen content, and baking quality of wheat grown on the Darling Downs, Queensland. Austral. Inst. Agr. Sci. J. 19:40-44. Mar. 1953. 23 Au74

60708 BOESEN, V. Here weather and wind are arranged; laboratory will promote the growth of plants. (In Dutch.) Landbouweekblad 34(1758):29,31. Mar.25, 1953. 24 L232
Earhart Plant Research Laboratory, California Institute of Technology.

60709 BOLLARD, E. G. Manganese deficiency of apricots. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:471-472. Feb.1953. 514 N48A

60710 BOLLI, M. The excreting function of the "palettes" [on the roots] of sulla (Hedysarum coronarium L.). (In Italian.) Ann. di Bot. 23:498-504. Dec.31,1951. 450 An71

60711 BONAZZI, A. Estudios sobre la fisiologia del tabaco. VI. La topografia del nitrôgeno en la hoja del tabaco rubio y su importancia. Acta Cient. Venezol. 3:169-172. Ref. Sept./Oct.1952. 475 Ac83
English summary.

60712 BONNER, J. T., KOONTZ, P. G., and PATON, D. Size in relation to the rate of migration in the slime mold Dictyostelium discoideum. Mycologia 45:235-240. Mar./Apr.1953. 450 M99

60713 BOURIQUET, R., GORIS, A., and MULLER, P. Action comparée de l'acide α-naphtyl-acétique et de son hydrazide sur la croissance et la composition glucidique de souches de tissu de carotte cultivées in vitro. Soc. de Biol. Compt. Rend. 146:1894-1897. Ref. Dec.1952. 442.9 P21

60714 BRANDT, W. H. Zonation in a prolineless strain of Neurospora. Mycologia 45:194-208. Ref. Mar./Apr.1953. 450 M99

60715 BREAZEALE, E. L., and MCGEORGE, W. T. Exudation pressure in roots of tomato plants under humid conditions. Soil Sci. 75:293-298. Apr.1953. 56.8 So3

60716 BULLOCK, R. M. Growth regulators on cherries. Amer. Fruit Grower 73(5):44-45. May 1953. 80 G85
Naphthaleneacetic acid.

60717 CAILLOUX, M. Sur la localisation de la région par où l'eau pénètre dans les poils radiculaires. Rev. Canad. de Biol. 11:505-508. Mar.1953. 442.8 R325

60718 CALVIN, M. The quantum conversion in photosynthesis. Chem. & Engin. News 31:1735-1738. Apr.27,1953. 381 J825N

60719 CHAYEN, J., and MILES, U. J. The preservation and investigation of plant mitochondria. Q. J. Micros. Sci. 94:29-35. Ref. Mar.1953. 440.8 Q2

60720 CHOUDHRI, R. S., and PRASAD, A. Growth of tomato plants under continuous illumination. Banaras Hindu U. J. Sci. Res. 2:205-209. Ref. 1951/52. 330.9 B43

60721 CHOUDHRI, R. S., and SHARMA, S. N. The significance of bud polarity in the germination of sugarcane setts. Banaras Hindu U. J. Sci. Res. 2:200-204. 1951/52. 330.9 B43

60722 CIFERRI, R. Use of plant hormones in agriculture. (In Italian.) B. dell'Agr. 87(4):1-2. Apr.3, 1953. 16 B87

60723 CINQ-MARS, L., and COULSON, J. G. Effects of fungicides on crop plants. Agr. Inst. Rev. 8(2):54-56, 61. Mar./Apr.1953. 7 Ag8

60724 COOIL, B. J., and SHOJI, K. Studies reduce banana chlorosis. Hawaii Farm Sci. [Hawaii Sta.] 1(5):1, 8. Apr.1953. 100 H314

60725 COX, J. A., and FLEMING, H. K. Effect of certain sprays on growth and yield of Concord grapes. Pa. Agr. Expt. Sta. Prog. Rpt. 94,6 p. Mar.1953. 100 P381P

60726 CRANE, J. C. Growth regulators on apricots. Amer. Fruit Grower 73(5):36-37. May 1953. 80 G85
2,4,5-Trichlorophenoxyacetic acid.

60727 CROSIER, W., and PATRICK, S. Longevity of hard seeds in winter vetch. Assoc. Off. Seed Anal. Proc. 42:75-80. 1952. 61.9 As7

60728 CROWDY, S. H. Observations on the effect of growth-stimulating compounds on the healing of wounds on apple trees. Ann. Appl. Biol. 40:197-207. Mar.1953. 442.8 An72

60729 CZARNOWSKI, C. VON. Untersuchungen zur frage der nektarabsonderung. Arch. f. Geflügelzucht u. Kleintierk. 1:23-44. Ref. 1952. 47.8 Ar22

60730 DASTUR, R. H., and SINGH, K. A study of the effect of trace elements on the growth and yield of American cottons. Indian Cotton Growing Rev. 7:57-66. Jan. 1953. 72.8 In2

60731 DIANNELIDIS, T., and UMRATH, K. Aktionsströme der blasen von Utricularia vulgaris. Protoplasma 42:58-62. 1953. 442.8 P94

60732 DIMOND, A. E., and WAGGONER, P. E. The physiology of lycomarasmin production by Fusarium oxysporum f. lycopersici. Phytopathology 43:195-199 Ref. Apr.1953. 464.8 P56

60733 DOI, Y. Studies on the oxidizing power of roots of crop plants. I-II. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:12-15. Nov.1952. 22.5 C88
English summary.

60734 DOXEY, D. The use of radioactive iodine in the study of a plant growth-regulator. J. Expt. Bot. 4(10): 53-58. Feb.1953. 450 J8224
2-Iodo-4-chlorophenoxyacetic acid (ICPA).

60735 DOYLE, E. J., ROBERTSON, E., and LEWIS, N. G. The effect of potassium nitrate on the germination of freshly harvested wheat, oats, barley and flax seed. Assoc. Off. Seed Anal. Proc. 42:93-101. 1952. 61.9 As7

60736 DRAWERT, H. Die eigenfluoreszenz der schuppenblattepidermen von Allium cepa L. und ihre beeinflussung. Z. f. Bot. 40:407-424. Ref. 1952. 450 Z32

60737 DREIBRODT, L. Über die wirkung der durchwurzelung verschiedener kulturen auf die wasserkapazität in vegetationsgefässen. Bodenkultur 6:326-327. 1952. 19 B635

60738 DUFRÉNOY, J. Agents mycobactériostatiques et régulateurs chimiques de la croissance des végétaux chlorophylliens. (Abs.) Rev. Canad. de Biol. 11:511-512. Mar.1953. 442.8 R325

60739 DUNKLER. Einfluss der saatgutpuderung mit gamma-hexamitteln auf keimung, wuchs und resistenz bei getreide und rüben. (Abs.) Angew. Chem. 65:164-165. Mar.21,1953. 384 Z33

60740 DUTT, M. Dividing nuclei in coconut milk. Nature [London] 171:799-800. May 2,1953. 472 N21

60741 ERICKSON, L. C. Growth regulators on citrus. Amer. Fruit Grower 73(5):42-43. May 1953. 80 G85
Use of 2,4-D and 2,4,5-T in California.

60742 EVERSON, L. E. The germination of mature and immature seeds of buckhorn plantain [Plantago lanceolata]. Assoc. Off. Seed Anal. Proc. 42:83-84. 1952. 61.9 As7

60743 FRAKES, M. G., and SELLERS, W. Effect of use of antibiotics on sugar beets. (Abs.) Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:28. 1953. 66.9 Am353

60744 FRASER, D. A., and MAWSON, C. A. Movement of radioactive isotopes in yellow birch and white pine as detected with a portable scintillation counter. Canad. J. Bot. 31:324-333. Ref. May 1953. 470 C16C

60745 FUKUI, J., and YARIMIZU, H. On the influence of the day-length and temperature upon the ripening period of soy-beans. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:123-124. Nov.1952. 22.5 C88
English summary.

60746 FUKUSHIMA, Y., and others. Effect of hormones on tomato fruit set. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:1-9. 1952. 107.6 Iw92
M. Masui, T. Sato, and K. Horiuchi, joint authors.
English summary.

60747 GAUDENZI, G. Effects of wind on vegetation. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:369-370. Oct./Dec.1952. 9.2 R325

60748 GÄUMANN, E., and NAEF-ROTH, S. Über einen mutmasslichen desensibilisierungseffekt bei einem welketoxin. Phytopath. Z. 20:133-166. Jan.1953. 464.8 P562
In tomatoes.

60749 GERM, H. Diskussion über den begriff der triebkraft. Saatgut-Wirt. 5:98-99. Ref. Apr.1953. 61.8 Sa1

60750 GIBSON, P. B., and SCHULTZ, E. F. The effect of environment on the number of vascular bundles per petiole in white clover. Agron. J. 45:123-124. Mar. 1953. 4 Am34P

60751 GLOVER, J. The nutrition of maize in sand culture. I-II. J. Agr. Sci. 43:154-165. Apr.1953. 10 J822
Nitrogen and phosphorus.

60752 GOODMAN, V. H. Study yields of cotton injured by 2,4-D spray. Miss. Farm Res. [Miss. Sta.] 16(5):1,4-5. May 1953. 100 M69Mi

60753 GORIS, A., and PHOUPHAS, C. Action de l'isoniazide (hydrazide de l'acide isonicotinique) sur la croissance et la teneur en glucides d'une souche de tissu de carotte cultivée in vitro. Soc. de Biol. Compt. Rend. 146:1890-1894. Dec.1952. 442.9 P21

60754 HAINES, F. M. The absorption of water by leaves in fogged air. J. Expt. Bot. 4(10):106-107. Feb. 1953. 450 J8224
Tests with tomatoes.

60755 HALL, W. C., TRUCHELUT, G. B., and LANE, H. C. Chemical defoliation and regrowth inhibition in cotton. Tex. Agr. Expt. Sta. B. 759,25 p. Ref. Mar.1953. 100 T31S

60756 HANAOKA, T. The role of the cotyledons of the kidney-bean seeds in relation to the growth-phases of seedlings during germination. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:33-41. Ref. Feb.1953. 107.6 H68
English summary.

60757 HARADA, K. Resistance to the deficiency of potassium in soil on wheat varieties. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:35-36. Nov.1952. 22.5 C88
English summary.

60758 HARLAND, S. C. Plant hormones. Roy. Hort. Soc. J. 78:157-166. May 1953. 84 L84J

60759 HARLAND, S. C. Plant hormones. Roy. Soc. Arts. J. 101:298-313. Mar.20,1953. 501 L847J
Includes discussion.

60760 HARROLD, L. L., and DREIBELBIS, F. R. Water use by crops as determined by weighing monolith lysimeters. Soil Sci. Soc. Amer. Proc. 17:70-74. Jan. 1953. 56.9 So3

60761 HASEGAWA, G. Physiological studies of the growth of rice plants on the so-called fall droppen paddy field. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:91-93. Nov.1952. 22.5 C88
English summary.

60762 HEALY, W. B. Treatment of a lime-induced manganese deficiency in peach trees. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:386-396. Feb.1953. 514 N48A

60763 HEIDENREICH. Ertragssteigerung durch isomere des hexachlorcyclohexans. (Abs.) Angew. Chem. 65:165. Mar.21,1953. 384 Z33

60764 HEIDENREICH, E. Ertragssteigerung durch hexa-isomeren. Merck-Bl. 7,4 p. Feb.1953. 423.92 M54

60765 HEIT, C. E. Laboratory germination of Centaurea and Gypsophila species, types and varieties. Assoc. Off. Seed Anal. Proc. 42:101-105. Ref. 1952. 61.9 As7

60766 HELLSTROM, N. An attempt to explain the interaction of auxin and antiauxin in root growth by an adsorption mechanism. Acta Chem. Scand. 7:461-468. 1953. 385 Ac82

60767 HENDRICKS, S. B., and BORTHWICK, H. A. The photoperiodic reaction. (Abs.) Science 117:468. Mar.1,1953. 470 Sci2

60768 HESSE, W. Schwankungen der vegetationsperiode. Deut. Landwirt. 4:192-194. Apr.1953. 18 D4822
Russian Zone.

60769 HEWITT, E. J. Metal interrelationships in plant nutrition. I. J. Expt. Bot. 4(10):59-64. Ref. Feb. 1953. 450 J8224
Toxicity to crops grown in sand culture.

60770 HINDMARSH, M. M. The effect of colchicine on the spindle of root tip cells. Linn. Soc. N. S. Wales. Proc. 77:300-306. Ref. 1952,pub.Jan.20,1953. 514 Sy2
Onions.

60771 HIRSCHHORN, E. Variaciones en Ustilago zeae. Cien. e Invest. 9:158-165. Ref. Apr.1953. 475 C482
Effect of formalin.

60772 HUTCHINSON, J. B., KENT, N. L., and MARTIN, H. F. The kernel content of oats. Variation in percentage kernel content and 1,000 kernel weight within the variety. Natl. Inst. Agr. Bot. J. 149-160. 1952. 103 N21J

60773 HYDE, E. O. C., and SUCKLING, F. E. T. Dormant seeds of clovers and other legumes in agricultural soils. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:375-385. Ref. Feb.1953. 514 N48A

60774 IBAÑEZ MARCO, D., and JORDI GONZÁLEZ, R. Influencia de las fito - hormonas en el desarrollo de los vegetales. Inst. Agr. Catalan de San Isidro. Rev. 102: 25-30. (Concl.) Ref. Feb.1953. 15 Sa5

60775 IKEHATA, Y. Studies on drought resistance of sugar cane. III. Difference of the root pressure—holding power as related to the drought resistance of some sugar cane varieties. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:52-53. Nov.1952. 22.5 C88
English summary.

60776 INDEN, T. On the physiology of roots in vegetable crops. I. On the oxygen requirement of the roots in vegetable crops. (In Japanese.) Hort. Soc. Japan. J. 21:202-208. Ref. Mar.1953. 87 H78
English summary.

60777 INOUYE, C., YAMASAKI, T., and MATSUURA, M. Freezing resistance of potato seedling. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:140-141. Nov.1952. 22.5 C88
English summary.

60778 INOUYE, C. Influence of temperature on the germination of seeds. 6. Maize (Zea mays L.). (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:79-80. Nov.1952. 22.5 C88
English summary.

60779 ISAACS, G. W., SHENBERGER, L. C., and CARTER, A. S. The design and development of an alternating temperature seed germinator. Assoc. Off. Seed Anal. Proc. 42:154-160. 1952. 61.9 As7

60780 ISELY, D. Employment of tetrazolium chloride for determining viability of small grain seeds. Assoc. Off. Seed Anal. Proc. 42:143-153. Ref. 1952. 61.9 As7

60781 ISHII, Y. The influences of soil temperature on the growth of pea-nuts plant and the development of its seed. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21: 94-95. Nov.1952. 22.5 C88
English summary.

60782 IWAKI, S., and OTA, K. Studies on the salt injury in rice plant (preliminary report). I. Absorption and germination of rice seeds in varying concentrations of NaCl. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:87-88. Nov.1952. 22.5 C88
English summary.

60783 JAEGER, P. Note provisoire sur l'antho-cinétique et le mécanisme de la pollinisation du Datura metel L. Soc. Bot. de France. B. 99:260-262. Oct./Dec. 1952. 451 F84B

60784 JOHANSON, R. Differential fluorescence in identification of tobacco trashy leaf. Nature [London] 171: 753-754. Apr.25,1953. 472 N21

60785 JOHNSON, L. F. The relation of antagonistic microorganisms to Pythium root rot of sugarcane and corn in recontaminated soils. La. Acad. Sci. Proc. 15: 24-31. 1952. 500 L932

60786 JONES, B. Treatments of Boone oats and observation under ultraviolet light. Assoc. Off. Seed Anal. Proc. 42:80-82. 1952. 61.9 As7

60787 JUNG, W. Pflanzenphysiologische untersuchungen über die einwirkung von fluor auf phosphate. Phosphorsäure 13:101-116. Ref. 1953. 57.8 P563

60788 KAMAE, M. Physiological studies on blooming and podding in soy bean plant (preliminary report). 1. Experimental studies on flower dropping and pod shedding (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:117-118. Nov.1952. 22.5 C88
English summary.

60789 KAMATA, E. Effects of the various concentration of manganese and boron in culture solution on the growth of soybeans. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:131-133. Nov.1952. 22.5 C88
English summary.

60790 KAMEMOTO, H., and NAKASONE, H. Y. Controlling Chrysanthemum flowering by altering day-length. Hawaii. Agr. Expt. Sta. C. 38,11 p. Mar.1953. 100 H313

60791 KANDA, M., and TAKAHASHI, N. Studies on the germination of rice seed. 1. The speed of germination and the appearance of plumule and radicle. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:176-177. Nov.1952. 22.5 C88
English summary.

60792 KANDLER, O. Über den "synthetischen wirkungsgrad" in vitro kultivierter embryonen wurzeln und sprosse. Z. f. Natforsch. 8b:109-117. Mar.1953. 474 Z3
Corn roots and asparagus sprouts.

60793 KERLING, L. C. P. Footrot of peas caused by sand-storms. (In Dutch.) Tijdschr. over Plantenziekten 59:62-71. 1953. 464.8 T44
English summary.

60794 KERR, H. B. The use of excised shoots in linseed investigations. Linn. Soc. N. S. Wales. Proc. 76: 183-186. 1951,pub.Jan.15,1952. 514 Sy2

60795 KIDO, M., and SEKI, S. Formative effect of 2.4-D on the rice plant. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:89-90. Nov.1952. 22.5 C88
English summary.

60796 KIKUCHI, M., and IKEUCHI, Y. Influence of ultra-short electromagnetic waves on the development of cotton plants. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:168-169. Nov.1952. 22.5 C88
English summary.

60797 KLINTEBERG, H. B. AF. Root burn as a result of nutrition deficiency. (In Swedish.) Växt-Närings-Nytt 9(2):12-15. 1953. 57.8 V47
Of sugar beets.

60798 KOBAYASHI, M. Studies on the development of seeds in the pod of the peanut. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:43-44. Nov.1952. 22.5 C88
English summary.

60799 LAIBACH, F. Umwandlung des geschlechts bei pflanzen durch äussere einflüsse. Umschau 53:238-240. Apr.15,1953. 474 Um7

60800 LAIBACH, F., and KRIBBEN, F. J. Ein weiterer beitrag zur frage nach der bedeutung des wuchsstoffs für die blütenbildung. Beitr. z. Biol. der Pflanzen 29:339-352. Ref. Feb.1,1953. 450 C66

60801 LAND, W. B., and CARREKER, J. R. Results of evapotranspiration and root distribution studies. Agr. Engin. 34:319-322. May 1953. 58.8 Ag83

60802 LANGFORD, G. S. Tolerance of trees and shrubs to new organic insecticides. Arborist's News 18:41-46. May 1953. 99.8 Ar14

60803 LAU, H. Die hydrokulturanlage "System Röszler." Tech. f. Bauern u. Gärt. Ausg. G 5:132-133. Mar.25,1953. 58.8 T223G

60804 LEDINGHAM, R. J. Growth cracks in wheat seed. Canad. J. Agr. Sci. 33:198-199. Mar./Apr.1953. 7 Sci2

60805 LEFÈVRE, M., JAKOB, H., and NISBET, M. Auto et hétéroantagonisme chez les algues d'eau douce in vitro et dans les collections d'eau naturelles. Sta. Cent. d'Hydrobiol. Appl. Ann. 4:5-98. Ref. 1952. 442.9 P212

60806 LEONARD, C. D., and STEWART, I. Fruit burn caused by chelated iron. Citrus Mag. 15(9):19,22. May 1953. 80 C498

60807 LINDEN. Neues zur wirkungsweise der 2,4-D. (Abs.) Angew. Chem. 65:163. Mar.21,1953. 384 Z33

60808 MACHLIS, L., and OSSIA, E. Maturation of the meiosporangia of Euallomyces. I. The effect of cultural conditions. Amer. J. Bot. 40:358-365. Ref. May 1953. 450 Am36

60809 MARRÈ, E. Auxin as a factor for the increase of soluble glucides. (In Italian.) Accad. Ligure di Sci. e Let. Atti 8:337-345. Ref. 1952. 507 G285
English summary.
In plants.

60810 MARTH, P. C., and PRINCE, V. E. Effect of 3-chloro-isopropyl-N-phenyl carbamate on abscission of young fruits of peach. Science 117:497-498. May 8,1953. 470 Sci2

60811 MARVIN, J. W. Recent research on sugar maples. J. Chem. Educ. 30:262-264. May 1953. 381 J826
Physiology.

60812 MATOS, H. P. DE. Mycorhizas in silviculture. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):280-283. 1952,pub.1952. 99.83 An8

60813 MATTEI, MME. J. Mode d'action des substances synthétiques de croissance sur l'enracinement des boutures. Acad. des Sci. Compt. Rend. 236:1436-1438. Apr.8,1953. 505 P21

60814 MELSTED, S. W. Some observed calcium deficiencies in corn under field conditions. Soil Sci. Soc. Amer. Proc. 17:52-54. Jan.1953. 56.9 So3

60815 MELVILLE, F., and HARDISTY, S. E. Scald in Granny Smith apples; practical aspects of control. West. Austral. Dept. Agr. J. (ser.3)2:101-103,105-107,109-111, 113-115,117. Jan./Feb.1953. 23 W52J

60816 MENEZES, O. B. DE. Pre-harvest drop in fruit. (In Portuguese.) Lav. Arroz. 6(74):21-22. Feb. 1953. 59.8 L39

60817 MILLER, J. J., and HELLMAN, J. E. The effect of certain chemicals on ascospore formation in Saccharomyces cerevisiae. (Abs.) Rev. Canad. de Biol. 11: 520. Mar.1953. 442.8 R325

60818 MINABE, M. Studies on the growth hindrance of the wild horse-radish plants. 1. Growth hindrance and metallic elements. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:147-149. Nov.1952. 22.5 C88
English summary.

60819 MIURA, S., and YOSHIMURA, K. The effect of heavy water on the growth of crops. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:104-105. Nov.1952. 22.5 C88
English summary.
Tests in barley germination.

60820 MIURA, S., and KANEKI, Y. On the amounts of respiration in different conditions of rice plant cultivation. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21: 106-107. Nov.1952. 22.5 C88
English summary.

60821 MOURAVIEFF, I. Influence de diverses substances sur la teneur en amidon et hydratation des cellules stomatiques de l'Aponogeton distachyus. Acad. des Sci. Compt. Rend. 236:1434-1436. Apr.8,1953. 505 P21

60822 MOWRY, H. Minor element deficiencies in coffee in Costa Rica. Foreign Agr. 17:93-96. May 1953. 1.9 Ec7For

60823 MURAOKA, Y., TOKITSU, T., and OHORI, K. The varietal characteristics in development to response to the compound conditions of temperature and day-length in tobacco. (In Japanese.) Jap. J. Breeding 2:133-141. Ref. Mar.1953. 64.8 J27
English summary.

60824 MUROGA, T., and ITO, T. Influence of temperature on budding and elongation of hop cuttings having varied characters. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:174-175. Nov.1952. 22.5 C88
English summary.

60825 NAGATO, K., and SATO, T. On the effects of plant hormone in rice culture under some environmental conditions. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:28-29. Nov.1952. 22.5 C88
English summary.

60826 NAGATO, K. On the occurrence of white core, milk-white grain, and white belly in rice plant. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:26-27. Nov. 1952. 22.5 C88
English summary.

60827 NAGATO, K., and SUGAWARA, K. Studies on the germinative capacity of rice seeds in relation to the location on the flower panicle. 2. On the germination of the immature seeds. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:77-78. Nov.1952. 22.5 C88
English summary.

60828 NAKA, J., OMORI, H., and KURETANI, M. Studies on the physiological nature of sweet potato plants. 1. On the variations of reserve carbohydrates in the newly developing root tubers during the growing period. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:145-146. Nov. 1952. 22.5 C88
English summary.

60829 NAKAMURA, K. Effects of the day-length on the root development in the paddy-rice (preliminary). (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:158-159. Nov. 1952. 22.5 C88
English summary.

60830 NEISH, A. C. Studies on the anaerobic dissimilation of glucose by Bacillus subtilis (Ford's type). Canad. J. Bot. 31:265-276. Ref. May 1953. 470 C16C

60831 NICKELL, L. G. Antibiotics in the growth of plants. Antibiotics & Chemother. 3:449-459. Ref. Apr.1953. 396.8 An8
Includes discussion.

60832 NITSCH, J. P. Phytohormones et biologie fruitière. I. Les mécanismes hormonaux de la croissance des fruits. Fruits 8:91-97. Mar.1953. 80 F9492

60833 NOGGLE, G. R. Plant growth regulators. South. Res. Inst. Q. B. 6:3-7. 1953. 330.9 So86

60834 O'CONNOR, M. L. Photo-synthesis or photo-fission? Trees So. Africa 4(4):16,18. Jan./Mar.1953. 99.8 T716

60835 OKADA, M. Effects of day length and temperature on flowering of summer- and August-flowering Chrysanthemums. (In Japanese.) Hort. Soc. Japan. J. 21: 251-255. Mar.1953. 87 H78

60836 OKE, J. G. Germination, longevity and dormancy tests of the seeds of Dichanthium annulatum, Stapf., and Bothriochloa intermedia, (Br) A. Camus. Poona Agr. Col. Mag. 43:155-159. Nov.1952/Feb.1953. 22 P79

60837 OKUYAMA, M., and HUNADA, T. On the tobacco plant as affected by climatic factors. 1. On the change in leaf structure by light intensities. (In Japanese) Crop Sci. Soc. Japan. Proc. 21:170-171. Nov.1952. 22.5 C88
English summary.

60838 OZAKI, K. Studies on the intensity of response to temperature and day-length during the growth period of soybeans. I. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:7-11. Feb.1953. 107.6 H68
English summary.

60839 PARIS, D., and DUHAMET, L. Action d'un mélange d'acides aminés et de vitamines sur la prolifération des cultures de tissus de crown-gall de scorsonère; comparaison avec l'action du lait de coco. Acad. des Sci. Compt. Rend. 236:1690-1692. Apr.27,1953. 505 P21

60840 PAROLI, V. The metabolic activity of Saccharomyces ellipsoideus in sterile grape must to which metallic compounds have been added. (In Italian.) Ann. di Bot. 23:523-533. Ref. Dec.31,1951. 450 An71
English summary.

60841 PATIL, J. A. Natural cross-pollination in rala (Setaria italica) (Beauv). Poona Agr. Col. Mag. 43: 151-154. Nov.1952/Feb.1953. 22 P79

60842 PIQUER, G., and TILKIN, N. Les possibilités d'emploi de l'éclairage artificiel en horticulture. B. Hort. (n.s.)8:140-146,156. Ref. May 1,1953. 80 B873

60843 PIREYRE, N. Étude préliminaire sur la calcification et la décalcification des cystolithes. Acad. des Sci. Compt. Rend. 236:1959-1596. Apr.20,1953. 505 P21

60844 PIRIE, N. W. Food and the future. 3. (A). The efficient use of sunlight for food production. Chem. & Indus. 19:442-445. Ref. May 9,1953. 382 M31C

60845 POLSTER, H. Anwendung der "anwelkmethode" von Arland zur vorprüfung von forstlichen kulturmassnahmen; (kritische betrachtung zu "ein beitrag zur forstdüngungsfrage" von Dr. D. Brüning). Wald 3:123-127. Ref. Apr.1953. 99.8 W143

60846 QUAAS, R. Die unterirdische zufuhr von wasser in ihrer wirkung auf die transpiration der pflanzen. Deut. Landwirt. 4:155-156. Mar.1953. 18 D4822

60847 REPASKE, R., and WILSON, P. W. Oxidation of intermediates of the tricarboxylic acid cycle by extracts of Azotobacter agile. Natl. Acad. Sci. Proc. 39: 225-232. Apr.1953. 500 N21P

60848 REUTER, L. A contribution to the cell-physiologic analysis of growth and morphogenesis in fern prothallia. Protoplasma 42:1-29. Ref. 1953. 442.8 P94

60849 ROGANOVIC, B. Critical periods of the cotton plant in relation to rainfall and temperature. (In Italian.) Riv. di Ecol. 2:274-283. 1952. 410 R522
English summary.

60850 ROHDE, G. Phosphataufschliessungsvermögen der pflanzen. II. Deut. Landwirt. 4:136-138. Ref. Mar. 1953. 18 D4822

60851 ROUSSEAU, J. Action de l'acide β-naphtalène-acétique sur les spores de Marchantia polymorpha L. Soc. Bot. de France. B. 99:308-310. Oct./Dec.1952. 451 F84B

60852 ROUSSEL, L. La lumière et la forêt. Rev. Forest. Franç. 4:273-290. Apr.1953. 99.8 R329

60853 RUPP, P. Die chlorose der weinberge und ihre bekämpfung. Deut. Weinbau 8:185-187. Apr.20, 1953. 390.8 W432

60854 RUSSELL, R. S., and MARTIN, R. P. A study of the absorption and utilization of phosphate by young barley plants. I. J. Expt. Bot. 4(10):108-127. Ref. Feb. 1953. 450 J8224

60855 SAITO, K. On the relation between the seed-germination and the fruit-ripening of mulberry. (In Japanese.) J. Sericult. Sci. Japan 21:208-210. Oct.1952. 425.9 Se6

60856 SAITO, K. Studies on inducing polyploid flower plants and their utilization. VIII. (In Japanese.) Hort. Soc. Japan. J. 21:256-258. Mar.1953. 87 H78
English summary.
Seed treatment with colchicine.

60857 SAITO, T., and WATANABE, T. Studies of the free amino acids of radish leaf by paper chromatography. (In Japanese.) Jap. Soc. Food & Nutr. J. 5:220-222. 1953. 389.9 J27

60858 SALGADO, M. L. M. Carence potassique du cocotier; diagnostic par le fruit. Oléagineux 8:297-298. Ref. May 1953. 77.8 OL2

60859 SANCLEMENTE PINEDA, M. Problemas de incompatibilidad en el cacao. Acta Agron. [Palmira] 3: 65-88. Ref. Jan.1953. 9.4 Ac8

60860 SATO, K. On the elongation of the leaves and internodes of the main-stem in rice plants (preliminary report). (In Japanese.) Crop Sci. Soc. Japan. Proc. 21: 75-76. Nov.1952. 22.5 C88
English summary.

60861 SATO, K. Some observations on the consumption of oxygen by rice roots grown in water cultures. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:16-17. Nov. 1952. 22.5 C88
English summary.

60862 SCHEARER, N. H. Is fluorescent lighting the answer? Amer. Orchid Soc. B. 22:352-355. May 1953. 80 Am329

60863 SCHMALZ, H. Entwicklungsphysiologische untersuchungen am saatweizen Triticum aestivum L., insbesondere über die bedeutung der photoperiodischen veranlagung für die ausbildung der sortencharaktere. Z. f. Pflanzenzücht. 32:27-78. Ref. Feb.1953. 450 Z36

60864 SCHONNAMSGRUBER, H. Grundlagenforschung an pappeljungpflanzen; versuche mit radioaktivem phosphat. Allg. Forstz. 8:212-213. Apr.22,1953. 99.8 AL52

60865 SCHREIBER, R. Die bedeutung des magnesiums als pflanzennährstoff. Deut. Export, July 1952:21-33. Ref. 57.8 D48
English summary, p. III.

60866 SCHULTZ, J. H., and others. Lignite cinders on campus roadways have ill effect on campus elms. N. Dak. Agr. Expt. Sta. Bimon. B. 15:224-229. May/June 1953. 100 N813B
E. A. Helgeson, L. D. Potter, and F. M. Noice, joint authors.

60867 SEKIYA, F. Studies on the tillering primordium and tillering bud in rice seedlings. 3. The effect of soil moisture on the development of tillering primordium and tillering bud. (preliminary). (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:20-21. Nov.1952. 22.5 C88
English summary.

60868 SHARVELLE, E. G. Effect of summer fungicides on the finish of russet-sensitive apples. Plant Dis. Rptr. 37:232-234. Apr.15,1953. 1.9 P69P

60869 SHENBERGER, L. C., and CARTER, A. S. Preliminary observations on viability of hulled timothy seed. Assoc. Off. Seed Anal. Proc. 42:134-137. 1952. 61.9 As7

60870 SHIMADA, T. On the cause of formation of vegetative flower in higher plants. (In Japanese.) Saga U. Agr. B. 1:17-34. Oct.1952. 107.6 Sa13
English summary.

60871 SHISHINY, E. E., and THODAY, D. Inhibition of germination in Kochia indica. J. Expt. Bot. 4(10):10-22 Ref. Feb.1953. 450 J8224

60872 SHOZAKI, T. On the germination of seeds of fruit-vegetable, with special reference to the relation between the water in the seed-beds and the germination of seeds of water-melon. (In Japanese.) Saga U. Agr. B. 1: 57-64. Ref. Oct.1952. 107.6 Sa13
English summary.

60873 SIEV, D., and HALEVY, Z. Iron sulphate to control chlorosis of Gladioli. (In Hebrew.) Hassadeh 33: 318. Feb./Mar.1953. 26 H27

60874 SIEV, D., and KATZ, H. Soil moisture and deficient iron uptake by cowpeas. (In Hebrew.) Hassadeh 33:318-319. Feb./Mar.1953. 26 H27

60875 SIMMONDS, N. W. The development of the banana fruit. J. Expt. Bot. 4(10):87-105. Ref. Feb.1953. 450 J8224

60876 SIMONETT, D. S., and DRANE, N. T. Climate and maize yields on the Atherton Tableland. Roy. Soc. N. S. Wales. J. & Proc. 86:21-31. 1953. 514 Sy24

60877 SINGH, M. P., and SINGH, R. P. Studies on dying-back in citrus. Indian J. Hort. 10:1-8. Ref. Mar. 1953. 80 In2

60878 SMIT, J., and SMIT, J. A. Spectrochemical cobalt, molybdenum and copper determinations in plants. Analyt. Chim. Acta 8:274-282. Ref. Mar.1953. 381 An1

60879 STANTON , W. R., and SINCLAIR, W. K. The distribution of P^{32} in the plum and its mutagenic possibilities. J. Expt. Bot. 4(10):78-86. Ref. Feb.1953. 450 J8224

60880 STANWAY, V. A study made on laboratory germination of tall fescue [Festuca elatior var. arundinacea] seed. Assoc. Off. Seed Anal. Proc. 42:84-88. 1952. 61.9 As7

60881 SUETSUGU, I., and KOBAYASHI, S. Studies on Vicia villosa Roth., with special reference to the fertilization and seed production (preliminary). (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:150-151. Nov. 1952. 22.5 C88
English summary.

60882 SUGIURA, S. Studies on the development of crown roots in rice-seedlings. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:22-23. Nov.1952. 22.5 C88
English summary.

60883 TAGAWA, T., and OKAZAWA, Y. Physiological and morphological studies on potato plants. 8. Especially on the senility of potato tuber and its abnormal sprouting. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:143-144. Nov.1952. 22.5 C88
English summary.

60884 TAKESHIMA, H. Studies on the influences of cutting cotyledons in soybean plants. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:121-122. Nov.1952. 22.5 C88
English summary.

60885 TAKESHIMA, H. Studies on the relation between the temperature difference of day and night and the fructification of soybeans. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:119-120. Nov.1952. 22.5 C88
English summary.

60886 TESHIMA, T., and TAKAHASHI, T. The experimental studies on the injurious effect of sulphur dioxide upon the rice cultivation. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:69-70. Nov.1952. 22.5 C88
English summary.

60887 TESHIMA, T., and TAKAHASHI, T. Investigation on the secondary growth of potato tubers. 5. Studies on the effect of the changes of medium concentration and duration of treatment upon the formation of the secondary growth of potato tuber. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:142. Nov.1952. 22.5 C88
English summary.

60888 THALER, I. Proteinoplasten fehlen den schliesszellen. Protoplasma 42:90-93. Ref. 1953. 442.8 P94

60889 THIOLLIÈRE, J. "Coups de soleil" sur poires et pommes. Pomol. Franç. 80:43-45. Apr.1953. 80 P77

60890 THOMAS, W. D., and OSHIMA, N. Preliminary investigations on the mycorrhizal relationship between carnations and Fusarium oxysporum f. dianthi. Colo. Flower Growers Assoc. B. 43:3. May 1953. 81 C715

60891 THORNE, D. W., and WANN, F. B. Chlorosis-resistant shrubs. Amer. Nurseryman 97(10):12. May 15, 1953. 80 Am371

60892 TOGARI, Y., and KANNO, C. A study on the spring growing habit of rape varieties as related to sensibility to temperature and illumination. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:47-49. Nov.1952. 22.5 C88
English summary.

60893 TOGUCHI, J. Studies on the effect of ground water level upon the development of rape-seed. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:45-46. Ref. Nov.1952. 22.5 C88
English summary.

60894 TOKIMASA, F. Studies of drought injuries in barley and wheat plants. 1. Damages on the growth and the yield caused by drought at various stages of growth. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:33-34. Nov. 1952. 22.5 C88
English summary.

60895 TOLNER, J. Copper deficiency in yellow lupine. (In Dutch.) Nieuwe Veldbode 19:577-579. Apr.16, 1953. 12 V542N

60896 TOMBESI, L. Studies on the physiology and biochemistry of Nicotiana tabacum. I. Water consumption of the varieties Virginia Bright, Maryland and Perustiza. (In Italian.) Tabacco 57:71-82. Mar.1953. 69.8 T115
English summary.

60897 TONINI, G. The physical environment and maize culture in the zone of Faenza. (In Italian.) Riv. di Ecol. 2:264-274. 1952. 410 R522
English summary.

60898 TREMBLAY, F. T. New method of finding nutrient needs for crops. Washcoegg 30(8):12-13,20. Jan.1953. 47.8 W27

60899 TSUNODA, S., and KITTAKA, A. Occurrence of withered and completely sterile panicles in rice plants attacked by typhoon, with special reference to varietal resistance. II. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:185-186. Nov.1952. 22.5 C88
English summary.

60900 TUKEY, H. B. Growth regulators: a new horizon for fruit growers. Amer. Fruit Grower 73(5):11,38. May 1953. 80 G85

60901 TURUNEN, J. Observations on the root system and root galls of grey alder. (In Finnish.) Metsätaloudellinen Aikakauslehti 3/4:101-104. 1953. 99.9 F49
English summary, p. 98.

60902 UEDA, S. Influence of soil moisture on the growth and harvest of soybean. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:125-126. Nov.1952. 22.5 C88
English summary.

60903 UMRATH, K. Über aktionsstrom und stillstand der protoplasmaströmung bei Nitella opaca. Protoplasma 42:77-82. 1953. 442.8 P94

60904 VEIHMEYER, F. J. Use of water by native vegetation versus grasses and forbs on watersheds. Amer. Geophys. Union. Trans. 34:201-212. Apr.1953. 330.9 Am3

60905 VIDAL, J. L. Sur l'absorption de solutions salines par les feuilles de la vigne. Acad. d'Agr. de France. Compt. Rend. 39:273-281. Feb.25/Mar.4,1953. 14 P215Bc
Bordeaux mixture and copper compounds.

60906 VIRTANEN, A. I. Die ausnützung von freiem und gebundenem stickstoff durch die pflanzen. Osterr. Chem.-Ztg. 54:94-100. Apr.1953. 384 Os7

60907 VON ABRAMS, G. J. Photosynthesis. Amer. Rose Mag. 11(5):15-16,18-19,21-22. May 1953. 80 Am327A

60908 VRIES, D. A. DE, and DUIN, R. H. A. VAN. Some considerations on the diurnal variation of transpiration. Netherlands J. Agr. Sci. 1:27-34. Feb.1953. 12 N3892

60909 WAGNER, D. L., and HOLLEY, W. D. Unusually high day temperatures cause carnation calyxes to split. Colo. Flower Growers Assoc. B. 43:1-2. May 1953. 81 C715

60910 WAIN, R. L. Plant growth substances. Farmers Annu. 1953:30-33. 10 F2237

60911 WEAVER, R. J. Growth regulators on grapes. Amer. Fruit Grower 73(5):12. May 1953. 80 G85

60912 WEBSTER, G. C. The effect of carbon monoxide on respiration in the sweet potato, Ipomoea batata Lan. Science 117:530-531. May 15,1953. 470 Sci2

60913 WEIGL, J. W., and LIVINGSTON, R. Infrared spectra of chlorophyll and related compounds. Amer. Chem. Soc. J. 75:2173-2176. May 5,1953. 381 Am33J

60914 WEINTRAUB, R. L. 2,4-D; mechanisms of action. J. Agr. & Food Chem. 1:250-254. Ref. Apr.29, 1953. 381 J8223

60915 WHITE, D. G. Growth regulators to delay blossoming. Amer. Fruit Grower 73(5):39. May 1953. 80 G85
Use of maleic hydrazide in Pennsylvania.

60916 WIERSMA, D., and MORTLAND, M. M. Response of sugar beets to peroxide fertilization and its relationship to oxygen diffusion. Soil Sci. 75:355-360. May 1953. 56.8 So3

60917 WIJK, W. R. VAN, VRIES, D. A. DE, and DUIN, R. H. A. VAN. Potential evapotranspiration. Netherlands J. Agr. Sci. 1:35-39. Feb.1953. 12 N3892

60918 WINTER, A. Geheimnisvolle pflanzensäfte. Deut. Landwirt. Presse 76:87-88. Apr.4,1953. 18 D482
Plant physiology and effects of antibiotics.

60919 WINTER, G. Altes und neues von der mykorrhiza. Orion 8:343-347. May 1953. 474 Or4

60920 WOOD, W. M. L. Thermonasty in tulip and crocus flowers. J. Expt. Bot. 4(10):65-77. Ref. Feb. 1953. 450 J8224

60921 WOODBRIDGE, C. G., and MCLARTY, H. R. Further observations and investigations on manganese deficiency in fruit trees in British Columbia. Canad. J. Agr. Sci. 33:153-158. Mar./Apr.1953. 7 Sci2

60922 WRAY, G. Importancia de los estudios climáticos en relación con el cultivo de cacao en el Ecuador. B. de Inform. Cient. Nac. 5:234-257. Aug./Sept.1952. 475 B633

60923 WURGLER, W. Accidents sur la vigne occasionnés par les désherbants à base de 2,4-D. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:32-34. Apr.1953. 17 J82A

60924 WYMAN, D. For the record. Arnoldia 13:37-40. May 8,1953. 451 Ar6Ba
Effect of weather on New England vegetation.

60925 YAKUWA, T. On the tillering in the genus Allium. I. (In Japanese.) Hort. Soc. Japan. J. 21:236-240. Mar.1953. 87 H78

60926 YAMADA, N. Calcium peroxide as an oxygen supplier for crop plants. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:65-66. Nov.1952. 22.5 C88
English summary.

60927 YAMASAKI, M., and HANADA, K. On the after-effect of the vernalization of wheat shown by testing the resistance to the toxic action of $KClO_3$. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:160-161. Nov.1952. 22.5 C88
English summary.

60928 YATOMI, T., KOGA, K., and UCHIDA, H. Studies on the germination of the pollens of Citrus natsudaidai. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:161-165. 1952. 107.6 Y14
English summary.

60929 YOSHIDA, S. Photoperiodic responses in soybean plants under long-day conditions with supplemental illumination of different intensities at night (preliminary report). (In Japanese.) Crop Sci. Soc. Japan. Proc. 21: 127-128. Nov.1952. 22.5 C88
English summary.

60930 YOUNG, P. A. Stem-end stripes of tomato fruits. Plant Dis. Rptr. 37:325. May 15,1953. 1.9 P69P
Apparently beginning stage of fruit cracking.

60931 YOUNG, P. A. Vertebrae-crack lines of tomato fruits. Plant Dis. Rptr. 37:325-326. May 15,1953. 1.9 P69P

60932 ZIELINSKI, Q. B. Growth regulators on strawberries. Amer. Fruit Grower 73(5):49. May 1953. 80 G85
Use of naphthoxyacetic acid on Marshall variety in Oregon.

60933 ZUKEL, J. W. Temporary grass inhibition with maleic hydrazide. Agr. Chem. 8(3):45-47,143. Mar.1953. 381 Ag8

60934 ZUKEL, J. W. Temporary grass inhibition with maleic hydrazide. Trees [Cleveland] 13(3):8,20. Mar./Apr.1953. 99.8 W52

BIOCHEMISTRY

60935 ANDRÉ, É., CARBOUÈRES, M., and MAILLE, M. Contribution à l'étude des substances insaponifiables des huiles de graines de Crucifères. II. Acad. des Sci. Compt. Rend. 236:1695-1697. Apr.27,1953. 505 P21

60936 BANERJEE, J. N., and LEWIS, J. J. Pharmacology of the alkaloids of Aspidosperma oblongum A.DC. Nature [London] 171:802. May 2,1953. 472 N21

60937 BATE-SMITH, E. C. Colour reactions of flowers attributed to (a) flavanols and (b) carotenoid oxides. J. Expt. Bot. 4(10):1-9. Ref. Feb.1953. 450 J8224

60938 BEROZA, M. Alkaloids from Tripterygium wilfordii Hook.: isolation and structure of wilforzine. Amer. Chem. Soc. J. 75:2136-2138. May 5,1953. 381 Am33J
Insecticidal alkaloid.

60939 CLARKE, M. F. A study of the carotene and crude protein content of orchardgrass (Dactylis glomerata L.). I. Canad. J. Agr. Sci. 33:184-194. Ref. Mar./Apr. 1953. 7 Sci2

60940 DIANNELIDIS, T., and UMRATH, K. Vitamin-C-gehalt und spaltöffnungszahl von blättern. Z. f. Bot. 40: 349-361. Ref. 1952. 450 Z32

60941 FERNÁNDEZ, O., LARA, M. D., and BETTI-COMTI, L. Filogenia química de la lignina. IV. (Cubiertas elásticas de semillas). Madrid. Acad. de Cienc. Exac. Fís. y Nat. Rev. 46:353-366. 1952. 506 M26R

60942 GARNER, H. R., and others. Factors affecting streptomycin yields. Amer. J. Bot. 40:289-296. Ref. May 1953. 450 Am36
H. Koffler, P. A. Tetrault, M. Fahmy, M. V. Mallett, R. A. Faust, R. L. Phillips, and N. Bohonos, joint authors.

60943 GIRAL, J., and LAGUNA, J. Triptofano y niacina en maices hibridos mexicanos. Ciencia 12:177-179. Ref. Dec.15,1952. 475 C48

60944 HAZAMA, K. Studies on the mechanism of flower colour formation. II. The variation of flower colour in Dahlia. (In Japanese.) Jap. J. Breeding 2:153-158. Ref. Mar.1953. 64.8 J27

60945 JAMES, W. O. Alkaloids in plants. Endeavour 12:76-79. Ref. Apr.1953. 472 En2

60946 JAMES, W. O. The terminal oxidases of plant respiration. Cambridge Philos. Soc. Biol. Rev. 28:245-260. Ref. May 1953. 442.9 C14

60947 JOHNSON, G. T., and GOULD, B. S. Pigment production in certain of the Aspergillus glaucus group. Mycologia 45:172-193. Mar./Apr.1953. 450 M99

60948 KARIYINE, T., and HASHIMOTO, Y. Chemical components of plant cuticle, with special reference to the triterpenoid constituents. Experientia 9:136. Apr.15,1953. 475 Ex7
Leaves of 600 kinds of Japanese plants examined.

60949 KINPYO, T., OHARA, T., and KOHAYAKAWA, T. Applied and comparative biochemical studies on Allieae in Japan. I-III. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:170-210. 1952. 107.6 Iw92
English summary.

60950 KUMAGAI, T. Studies on hygrotype and xerotype oats. I. Change in amylase activity in oat seeds germinating under different soil moisture conditions. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64: 1-6. Feb.1953. 107.6 H68
English summary.

60951 LERMAN, L. S. A biochemically specific method for enzyme isolation. Natl. Acad. Sci. Proc. 39: 232-236. Apr.1953. 500 N21P
Tests with mushroom tyrosinase.

60952 LOHR, E. Die zuckerarten in Allium cepa. Acta Chem. Scand. 7:441-443. Ref. 1953. 385 Ac82

60953 LOUW, P. G. J. Transvaalin, a cardiac glycoside isolated from Urginea burkei, Bkr. (Transvaal slangkop). Onderstepoort J. Vet. Res. 25(4):123-133. Ref. Dec.1952. 41.8 On1

60954 LUDTKE, M. Uber das linamarin des flachsstengels. Biochem. Z. 323:428-436. 1953. 384 B522

60955 LULLA, B. S., and JOHAR, D. S. Penicillium notatum as a source of fungal pectinase. Cur. Sci. 22:79-80. Mar.1953. 475 Sci23

60956 MCLANE, S. R., and MURNEEK, A. E. The detection of syngamin, an indigenous plant hormone, by culture of immature corn embryos. Mo. Agr. Expt. Sta. Res. B. 496,91 p. Ref. Apr.1952. 100 M693

60957 MARCHAL, J. G., and LOTZ, F. Pigment produit par Pseudomonas cattleyaecolor et vitamine B_1. Nancy. U. Facul. de Pharm. Lab. de Microbiol. Trav. 17:31-48. 1953. 448.2 N15

60958 MIETTINEN, J. K., and VIRTANEN, A. I. Nitrogen metabolism of the alder (Alnus). Acta Chem. Scand. 7:289-296. Ref. 1953. 385 Ac82

60959 MUSCHIK, M. Untersuchungen zum problem der aleuronkornbildung. Protoplasma 42:43-57. Ref. 1953. 442.8 P94

60960 NAKAMURA, M. Effect of added primer on lima bean phosphorylase. Nature [London] 171:795-796. Ref. May 2,1953. 472 N21

60961 OPARINE, A. I. Variations de l'activité des enzymes dans la cellule végétale sous l'effet des facteurs extérieurs. Soc. de Chim. Biol. B. 35:67-82. 1953. 383 So1

60962 PISHAWIKAR, A. D., and PISHAWIKAR, D. G. The chemistry of nutmeg-aril (jay-patri). Cur. Sci. 22: 81. Mar.1953. 475 Sci23
Myristica fragrans.

60963 PORTER, H. K. The inhibition of α-amylase and phosphatase contaminants of potato phosphorylase preparations. J. Expt. Bot. 4(10):44-52. Ref. Feb.1953. 450 J8224

60964 SAPOSHNIKOVA, K. Propiedades bioquímicas de los cacaos venezolanos. Agro [Maracay] 7(22):45-49. Sept./Oct.1952. 9.95 Ag83

60965 SCHNEIDER, F., and HOFFMANN-WALBECK, H. P. Über die plasmolyse und die zuckerzusammensetzung in verschiedenen bestandteilen des rübenzellgewebes. Zucker-Beih. 1:1-8. Ref. Mar.1953. 65.8 Z84

60966 SCHULTZ, O. E., and GMELIN, R. Papierchromatographie senfölglucosidhaltiger pflanzen neue ergebnisse. VI. Mitteilung über senfölglucoside. Z. f. Naturforsch. 8b:151-156. Mar.1953. 474 Z3
Crucifers.

60967 STABURSVIK, A. Occurrence of betulinic acid in Menyanthes trifoliata L. Acta Chem. Scand. 7:446-447. 1953. 385 Ac82

60968 STEWART, C. M., and FOSTER, D. H. Identification of 4-methyl-D-glucuronic acid in Eucalyptus regnans wood. Nature [London] 171:792. Ref. May 2, 1953. 472 N21

60969 STEYN, D. G. The biological testing of plants and plant extracts. So. African Indus. Chem. 7:13-14. Jan.1953. 385 So8

60970 TASAKA, Y., and WATANABE, T. On the volatile components of mulberry leaves. III. Investigation of aldehydes and ketones by paper partition chromatography. (In Japanese.) J. Sericult. Sci. Japan 21:106-108. Aug.1952. 425.9 Se6
English summary.

60971 VAZQUEZ, E. A. Carne y leche de la caña de azucar. II. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:649-655. Feb.1953. 65.9 As5B
Biochemistry.

60972 WEBER, U., and STAHL, E. Das proazulen und ätherische öl im entwicklungsverlauf der schafgarbe (Achillea millefolium L.). Arch. der Pharm. 22:110-116. 1953. 396.8 Ar2A

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

60973 ALDRICH, S. R., and JOHNSON, A. A. Field crops hits for '53. N. Y. Agr. Col. Ext. Green Acres Let. 15,4 p.-folder. n.d. 275.29 N48Cr

60974 BUDAPEST. HUNGARIAN SEED TESTING INSTITUTE. List of Hungarian improved plant varieties, 1951. Budapest,1952. 40 p. 64.9 B85
Field crops and vegetables.

60975 BUTLER, K. Band seeding improves legume stands. Purdue Agr. 44(7):10,18. Apr.1953 6 P97

60976 CANDIOLI, P. Rotation of pasture, livestock, and productivity. (In Italian.) Colt. e Gior. Vinic. Ital. 99:94-96. Mar.1953. 16 C72

60977 CHAPMAN, P. W., and THOMAS, R. H. Southern crops. Atlanta,Smith,1953. 503 p. 64 C36S

60978 CHILDERS, L. E. What's behind the breeding of our new field crops. Co. Agent & Vo-Ag Teacher 9(5):16-19. May 1953. 275.28 N213

60979 CRIM, R. F. Historical background, Minnesota Crop Improvement Association. Minn. Seed Grower 26 (2):1-3. Apr.1953. 61.8 M66

60980 DELORIT, R. J., and AHLGREN, H. L. Crop production: principles and practices. New York,Prentice-Hall,1953. 629 p. 64 D38

60981 DOUGLAS, R. J., and CONLON, T. J. Tillage and crop rotation methods for southwestern North Dakota. N. Dak. Agr. Expt. Sta. B. 381,11 p. Apr.1953. 100 N813

60982 ELLIS, P. B. Maintaining organic matter on grain farms. Amer. Soc. Farm Mgr. & Rur. Appraisers J. 17:54-56. Apr.1953. 281.8 Am32
Rotations and fertilizers.

60983 FREDERICKSON, K. What makes a good seed producer? Crops & Soils 5(8):9-11. June/July 1953. 6 W55
Field crops.

60984 GEORGIA. AGRICULTURAL EXPERIMENT STATION. 1952 variety performance trials of field crops. Experiment,1953. 34 p. Feb.1953. 64.9 G29

60985 HORBERG, Y. Root crop culture. (In Swedish.) Weibulls Illus. Årsb. 48:26-27. Spring 1953. 64.9 L232

60986 KEILLING, J. Les aspects renouvelés de l'agronomie contemporaine. Oléagineux 8:261-265. May 1953. 77.8 OL2

60987 KIRSTE. Besonders ungünstige fruchtfolgen in Niedersachsen. Landwirtbl. Weser-Ems 100:376-377. Apr.2,1953. 18 L2345

60988 LOPERENA VARGAS, P. Rotación de cultivos. Crédito y Téc. Agr. 3(55):26,28. Apr.15,1953. 284.28 C864

60989 MERCER, W. B. Crops. Farmers Wk. [London] 38(20):69. May 15,1953. 10 F2226
Rotations and field crops culture in Great Britain.

60990 MINNESOTA CROP IMPROVEMENT ASSOCIATION. 1952 registered and certified seed directory. St. Paul,1952. 52 p. 61.9 M66F

60991 NAIK, K. C. Maximisation of seed production in improved strains and of plants in improved or superior varieties. Madras Agr. J. 40:71-76. Mar.1953. 22 M262

60992 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. Landbouwverslag von Noord-Holland [Agricultural report for North-Holland] 1951. Schagen,1952. 121 p. 12 N38Ln
Field crop research.

60993 NETHERLANDS. RIJKSCOMMISSIE VOOR DE SAMENSTELLING VAN DE RASSENLIJST VOOR LANDBOUWGEWASSEN. 28e beschrij vende rassenlijst voor land bouwgewassen 1953 [28th descriptive variety list for agricultural crops, 1953]. Wageningen,1952. 324 p. 105.2 W1222

60994 NOBBS, E. A. Europe's big variety of [field] crops; some believed to be adaptable to South African conditions. Farmer's Wk. [Bloemfontein] 85:61. Mar.25, 1953. 24 F225

60995 NORTH CAROLINA CROP IMPROVEMENT ASSOCIATION. 1953 certification handbook. Raleigh, 1953. 50 p. 61.9 N815N

60996 PALMER, C. B. How much seed is wanted? Wesfarmers News 1(3):19. Feb.5,1953. 23 W51

60997 PÉQUIGNOT, R. L'année agricole écoulée; suggestions pour 1953. Motorisation Agr. 8:171-173. Mar.1953. 58.8 M85
Field crops.

60998 RAPIN, J. Tabelle des ensemencements. Agenda de l'Agr. et du Vigneron 1953:232-233. 30.3 Ag33

60999 RAPIN, J. Variétés recommandées de plantes sarclées et industrielles. Agenda de l'Agr. et du Vigneron 1953:255-256. 30.3 Ag33

61000 REMER. Mehr zwischenfruchtbau. Deut. Landwirt. 4:197-200. Apr.1953. 18 D4822
Russian Zone.

61001 RUSSELL, M. B. Agronomic research: the job ahead. Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:38-42. Apr.1953. 281.8 Am32

61002 SÉCHET, J. La résistance au froid des semences printanisées. Acad. d'Agr. de France. Compt. Rend. 39:265-267. Feb.25/Mar.4,1953. 14 P215Bc

61003 SKULJ, A. The time for harvesting and sowing. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 5: 53-54. Feb.1953. 21.5 Sa1
Yugoslavia.

61004 SWARTZ, C. Increase yields with band seeding. Penn State Farmer, Forester & Sci. 4(4):8,20. Mar. 1953. 276.8 P382
Grasses and legumes.

61005 TAYLOR, R. L., and HODGSON, H. T. Field crops in Alaska must surmount special growing problems. Seed World 27(9):8,10,47. May 1,1953. 61.8 Se52

61006 TRENTIN, A. Work and experiments in progress at the Nazareno Strampelli Agricultural Institute. (In Italian.) Genet. Agr. 3:429-437. Feb.28,1953. 450 G28
Field crops.

61007 VAN DER MERWE, W., and VAN GARDEREN, J. Agronomy experiments (1938-1945) at the Vaal-Hartz Agricultural Research Station. Union So. Africa. Dept. Agr. Sci. B. 321,71 p. 1952. 24 So84S

61008 VIK, K. Experiments with different nurse crops sown with different rates of seeding and given different applications of calcium. (In Norwegian.) Forsk. og Forsøk i Landbr. 4:1-54. Ref. 1953. 11 F772
English summary.

61009 WASSOM, C. E., and KALTON, R. R. Estimations of optimum plot size using data from bromegrass [Bromus] uniformity trials. Iowa. Agr. Expt. Sta. Res. B. 396:295-320. Ref. Mar.1953. 100 Io9

61010 WELLINGTON, P. S. Fourteenth Conference of Seed Analysts, 16th July, 1952. Natl. Inst. Agr. Bot. J. 6: 257-274. 1952. 103 N21J
Includes Appendix A and B, by N. E. G. Gilbert and Mrs. H. Dales.

61011 WITWATERSRAND. UNIVERSITY. FRANKENWALD FIELD RESEARCH STATION. Annual report for 1952. Johannesburg,1952. 64 p. 24 J59

61012 ZAHNLEY, J. W. Defoliants and desiccants as pre-harvest applications. (Extr.) Down Earth 9:2-3. 1953. 381 D75

Cereals

61013 ADAIR, C. R. Rice improvement in the United States. Internatl. Rice Comn. News Let. 4:1-2. Dec. 1952. 59.9 In83N

61014 ÅKERMAN, Å. Some experiences concerning ripening and harvesting of grain in 1952. (In Swedish.) Sveriges Utsädesför. Tidskr. 63:41-55. 1953. 61.9 Sv23

61015 AL-SAYEGH, A. Cereals in Iraq (wheat and barley). (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira 'Ati'l-'Iraqiyah 8:424-431. Apr./June 1953. 22.5 Ir1
English summary, p. 12.

61016 ALBRECHT, R. Mulch planting is no easy answer; one trial shows it is less profitable than regular corn culture methods. Prairie Farmer, Gen. Ed. 125(10): 22-23. May 16,1953. 6 P883

61017 ATKINS, I. M. Cordova barley. Tex. Agr. Expt Sta. B. 760,9 p. Mar.1953. 100 T31S

61018 ATKINS, I. M., and GARDENHIRE, J. H. Varieties of small grain for North Central Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1578,4 p. May 1,1953. 100 T31P

61019 ATKINS, I. M., RIVERS, G. W., and HOLEKAMP, R. G. Variety tests of small grain on the Edwards Plateau of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1575,4 p. Apr.19,1953. 100 T31P

61020 BAER, E. VON. Los trigos de rulo en la Zona Central. Campesino [Santiago] 85(2):8-10. Feb.1953. 9.3 So12

61021 BARREIROS, H. A. Improvement of rice. (In Portuguese.) Gaz. do Agr. 5:34-38. Feb.1953. 24 G25
Mozambique.

61022 BERLINER, E. Uber die beeinflussung der weizenbackfähigkeit durch züchtung und düngung. Deut. Müller-Ztg. 51:150. (Sum.) Apr.1,1953. 298.8 Su2

61023 BERNARDES, B. C. A study of the factors which contribute to the improvement and reduction of cost of raising rice in Rio Grande do Sul. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:138-165. Sept.1952. 9.2 R325

61024 BOCANEGRA SALAZAR, S. Comparativo de hibridos y variedades de maiz en la Costa Central del Perú. Peru. Dir. Gen. de Agr. B. 3/4:4-10. First/Second Q.1952. 9.8 P438

61025 BOERGER, A. Quimica triguera en el Rio de la Plata. Uruguay. Min. de Ganad. y Agr. B. Inform. 10(453):10-11; (454):13-14; (455):13-14; (456):10-11. Feb.5-Mar.5,1953. 9.9 G15B

61026 BUFFA, E. Improvement of the Piedmont rice economy. (In Italian.) Cron. Econ. 122:24-25. Feb. 1953. 280.8 C882
Varietal improvement.

61027 CALDWELL, R. M., and others. Small grain varieties for Indiana. Ind. Agr. Expt. Sta. C. 391,4 p. Feb.1953. 100 In2P
K. E. Beeson, L. E. Compton, H. R. Lathrope, R. R. Mulvey, J. E. Newman, F. L. Patterson, and J. F. Schafer, joint authors.

61028 CHAFFIN, W. Higher yields of corn. Okla. Agr. Col. Ext. C. 591,4 p. n.d. 275.29 Ok41C
Chiefly culture.

61029 CHAVAN, J. P. Les céréales. Agenda de l'Agr. et du Vigneron 1953:234-237. 30.3 Ag33
Varieties of oats and barley.

61030 CILLIS, U. DE. Present state of distribution of selected wheat varieties in Italy. (In Italian.) Genet. Agr. 3:293-315. Feb.28,1953. 450 G28

61031 COLAMARIA, F. Grain harvesting. (In Italian.) Agr. Ferrarese 56:110-111. May 31,1952. 16 Ag87

61032 COTTE, A., and GRIGNAC, P. Au sujet de la récolte des sorghos fourragers. Prog. Agr. et Vitic., Apr.19/26,1953:244-248. 14 P94

61033 DIAZ DEL PINO, A. La producción de maiz un problema nacional. Tierra [México] 8:303-305. Apr. 1953. 8 T445

61034 DION, H. G., and SILOW, A. La clave para producir más y mejor arroz. Rev. Nac. de Agr. 47(574): 17-22. Feb.1953. 9.4 R32

61035 DIONIGI, A. Nazareno Strampelli Experiment Station and the genetic improvement of grain. (In Italian.) Genet. Agr. 3:369-371. Feb.28,1953. 450 G28

61036 DOBBEN, W. H. VAN. The yield of winter wheat in 1952, and the weather conditions. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:20-24. 1953. 59.9 St5J
English summary.

61037 ELIASSON, S., and JACOBSON, G. Sortförsök med korn. Sammanställning av resultaten av de av Statens Jordbruksförsök ledda sortförsöken med korn under åren 1940 (1934)-1950 [Variety trials of barley. Summary of results obtained in variety trials with barley conducted by the National Agronomy Experiment Station of Sweden during the years 1940 (1934)-1950]. Sweden. Stat. Jordbrförsök. Meddel. 41,130 p. Ref. 1952. 104 Up63
English summary.

61038 ERROUX, J. Les céréales de l'Ouadi El Ajal (Fezzan). Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43: 211-224. Ref. Oct.1952. 410.9 So125

61039 FAJERSSON, F. Weibull's original Banco wheat (W. 10752). (In Swedish.) Weibulls Illus. Årsb. 48: 3-6. Spring 1953. 64.9 L232

61040 FAJERSSON, F. Weibull's original Ertus wheat (W. 11746). (In Swedish.) Weibulls Illus. Årsb. 48:7-10. Spring 1953. 64.9 L232

61041 FEHNEL, E. For greater oat yields. Penn State Farmer, Forester & Sci. 4(4):11,20. Mar.1953. 276.8 P382

61042 FEUERLEIN, W. Auswinterung muss nicht sein! Württemb. Wchnbl. f. Landwirt. 120:393-394. Apr.11,1953. 18 W96
Wheat.

61043 FORLANI, R. Perennial wheat from an experimental point of view. (In Italian.) Genet. Agr. 3:367-368. Feb.28,1953. 450 G28

61044 FUNK, L. L. Origin of corn. Coop. Poultryman 18(5):6-8,24-25. May 1953. 47.8 C782

61045 GADEA, M. Information on the culture of Italian wheat in Spain and their possibilities. (In Italian.) Genet. Agr. 3:317-319. Feb.28,1953. 450 G28

61046 GALLOTTI, E. Protection from hail. (In Italian.) Riso 2(4):22. Apr.1953. 59.8 R49

61047 GÖKGÖL, M. Les différentes espèces de blé italien en Turquie. Genet. Agr. 3:347-350. Feb.28,1953. 450 G28

61048 GRAÇA, L. Q. Blés précoces et blés italiens en Portugal. Genet. Agr. 3:325-332. Feb.28,1953. 450 G28

61049 GREANEY, F. J., and BARNES, J. Distribution of wheat varieties in the Prairie Provinces (1941 to 1950). Line Elevators Farm Serv. C. 15,21 p. Jan.1953. 59.9 L64

61050 GREGOIRE, M. Rapport sur le comportement des variétés de blés italiennes. Genet. Agr. 3:338-341. Feb.28,1953. 450 G28
France.

61051 GRIFONI, E. Varieties of wheat grown in Italy 1946-47. (In Italian.) Genet. Agr. 3:415-426. Feb.28, 1953. 450 G28

61052 GRILLOT, G. Les blés italiens au Maroc. Genet. Agr. 3:342-346. Feb.28,1953. 450 G28

61053 HAENEN, J. The culture of corn for grain. (In Dutch.) Boer en Tuinder 7(322):3. Apr.18,1953. 12 B632
Netherlands.

61054 HALL, J. Filling the crib. Penn State Farmer, Forester & Sci. 4(4):10,14. Mar.1953. 276.8 P382
Corn varieties.

61055 HARRINGTON, J. B. Cereal breeding procedures. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 28,122 p. Dec.1952. 281.9 F733

61056 HAVE, D. J. VAN DER. Hybrid corn. II. (In Dutch.) Zaadbelangen 7:69. Mar.31,1953. 61.8 Z1

61057 HEREDIA H., H. Hacia el mejoramiento de la produccion de arroz en nuestro oriente. Mensajero Agr. 79:40-42. Jan.1953. 9.8 M52

61058 HIN TJIO, J., SÁNCHEZ-MONGE PARELLADA, E., and ALVAREZ PEÑA, M. Centenos tetraploides españoles. Agricultura [Madrid] 22:138-140. Mar.1953. 15 Ag84

61059 HOORNSMAN, G. M. Variation in yield of wheat in the Province of Groningen. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:25-31. 1953. 59.9 St5J
English summary.

61060 HORBERG, Y. Weibull's original Herta and Rika barley. (In Swedish.) Weibulls Illus. Årsb. 48:30-33. Spring 1953. 64.9 L232

61061 HUNTER, H. The barley crop. London,Lockwood,1952. 187 p. 59.21 H91B

61062 INOSAKA, M. Influence on the yield of paddy rice caused by the Fukui earthquake. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:18-19. Nov.1952. 22.5 C88
English summary.

61063 ITO, H., SANO, T., and TAKASHIMA, M. Varietal adaptability of paddy rice for oilpaper-covering nursery-bed. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:24-25. Nov.1952. 22.5 C88
English summary.

61064 JACOMETTI, G. Italian strains of quality wheat. (In Italian.) Genet. Agr. 3:390-394. Feb.28,1953. 450 G28

61065 JENSEN, N. F., JOHNSON, A. A., and TYLER, L. J. Craig—new midseason oat. Farm Res. [N. Y. Sta.] 19(2):16. Apr.1953. 100 N48A

61066 JOHNSON, L. Notes on the experimental work in progress on rice in Trinidad. Internatl. Rice Comn. News Let. 4:2-3. Dec.1952. 59.9 In83N

61067 JONGH, G., and MIRANDA, H. DE. Studies on the baking value of wheat varieties grown in the Netherlands. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:73-86. 1953. 59.9 St5J
English summary.

61068 JUGENHEIMER, R. W., SILOW, R. A., and MAO, Y. T. Results of co-operative hybrid maize tests in European and Mediterranean countries, 1950; a progress report. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 31,43 p. Dec.1952. 281.9 F733

61069 KATAYAMA, T., and EDO, Y. The effects of the small ridge of soil along the seed bed upon the tillering of wheat seedlings. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:83-84. Nov.1952. 22.5 C88
English summary.

61070 KELLY, A. F. Variety trials of oats for Upland areas 1949-51. Natl. Inst. Agr. Bot. J. 6:140-148. 1952. 103 N21J

61071 KELLY, A. F. Variety trials of winter oats 1944-50. Natl. Inst. Agr. Bot. J. 6:133-139. 1952. 103 N21J

61072 KIMURA, Y. Statistical researches on the bad harvest of rice in Japan. II. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:67-68. Nov.1952. 22.5 C88
English summary.

61073 KIMURA, Y. Statistical researches on bad harvest of rice in Japan. III. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:164-165. Nov.1952. 22.5 C88
English summary.

61074 KOMATSU, T., and others. Analysis of mechanisms of the decrease of yields of rice plants cultured under late-transplanting conditions. I. On the yielding efficiency of seedlings sowed sparsely and densely to seed-bed. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:187-188. Nov.1952. 22.5 C88
T. Kirano, K. Suenaga and H. Shimada, joint authors.
English summary.

61075 KUDOH, K. Considerations on rice yield estimation from the viewpoints of crop science. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:7-9. Nov.1952. 22.5 C88
English summary.

61076 KUDOH, K. Date for the investigation of estimated rice yield. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:10-12. Nov.1952. 22.5 C88
English summary.

61077 LANDI, R. For the conservation of old and new varieties. (In Italian.) Genet. Agr. 3:401-402. Feb.28,1953. 450 G28
Wheat.

61078 LAUBSCHER, R. X., JOSEPHSON, L. M., and GROBBELAAR, W. P. Performance of maize varieties in the highveld region. Farming So. Africa 28:47-51,64. Feb.1953. 24 So842

61079 LEONARD, W. H., and FAUBER, H. Recommended sorghums. Colo. Farm & Home Res. [Colo. Sta.] 3(6):12-14. Mar./Apr.1953. 100 C7,12Co

61080 LLANES BELLART, F. Resultados del trigo "Pané 247" cultivado en diversas zonas de la Peninsula. Ceres [Valladolid] 18(202):19,21. Apr.1953. 15 C33

61081 LONGO, A. On the damage resulting from topping and defoliating corn. (In Italian.) Salento Agr. 4(4):3. Apr.1953. 281.8 Sa3

61082 LUTRI, I. New hard wheat and soft wheat created in Sicily. (In Italian.) Genet. Agr. 3:373-387. Feb.28,1953. 450 G28

61083 MALDONADO, J. El cultivo de los hibridos dobles de maiz en Castilla. Ceres [Valladolid] 18(202):26. Apr.1953. 15 C33

61084 MALIANI, C. Cultural technique for wheat variety S. Pastore Fam.14. (In Italian.) Genet. Agr. 3: 396-399. Feb.28,1953. 450 G28

61085 MALIANI, C. Description of the new wheat "G.Giuliari." (In Italian.) Genet. Agr. 3:427-428. Feb. 28,1953. 450 G28

61086 MANN, D. H. A new look in wheat farming. Utah Farmer 73:457. May 21,1953. 6 D45
Conservation farming.

61087 MARIE, R., DENOY, I., and EKOLLO, A. La rizière du Merle en 1952. Prog. Agr. et Vitic., Apr.19/26, 1953:237-243. (Cont.) 14 P94

61088 MARIE, R., DENOY, I., and EKOLLO, A. La rizière du Merle en 1952. Prog. Agr. et Vitic., May 3/10, 1953:264-272. (Cont.) 14 P94

61089 MENEZES, O. B. DE. O milho hibrido [Hybrid corn]. Rio de Janeiro, Ministério da Agricultura, Serviço de Informação Agrícola, 1952. 38 p. (S.I.A. 777) 59.22 M52

61090 MORBELLO, T. Our rice regions: Verona. (In Italian.) Riso 2(4):20-21. Apr.1953. 59.8 R49

61091 MORIMOTO, I. On the condition of case in which the correlation coefficients exist. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:1-2. Nov.1952. 22.5 C88
English summary.
In rice culture.

61092 MORIMOTO, I. On the yielding efficiency of Japanese rice varieties. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:166-167. (Cont.) Nov.1952. 22.5 C88
English summary.

61093 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Cereal seed crop inspection scheme, 1952. Natl. Inst. Agr. Bot. Seed Notes 45,8 p. Apr.1953. 61.9 N21S
Great Britain.

61094 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Varieties of winter wheat, recommended list. Natl. Inst. Agr. Bot. Farmers' L. 8,rev.,4 p. Aug.1952. 103 N21F
Great Britain.

61095 NAVARRETE PARDO, C. Variedad del trigo Menkemen. Rev. Nac. de Agr. 47(576):21. Apr.1953. 9.4 R32

61096 NELSON, O. E. Hybrid popcorn performance tests—1951. Ind. Agr. Expt. Sta. Mimeo BP-45,rev.,8 p. 1952. 100 In2B

61097 NELSON, O. E. Hybrid popcorn performance tests—1952. Purdue U. Agr. Ext. Mimeo BP-56,11 p. 1953. 100 In2B

61098 NICOLLE, P. E. N. Maize—secrets of success. 4. Rhodesian Farmer, Mar.18,1953:16-17. 24 R347

61099 NORLAND, J. Committees meet to make recommendations on wheat farming in Eastern New Mexico. N. Mex. Stockman 18(5):52. May 1953. 49 N462

61100 ONTARIO. AGRICULTURAL COLLEGE. Winter wheat improvement in Ontario, tenth annual report, 1952 crop. n.p.,1953. 24 p. 59.9 On82A
Also Winter Wheat Institute. Fifth annual report.

61101 PAIVA, B. DE O. State wheat trial at the Veranopolis Experiment Station in 1949. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:300-314. Oct./Dec.1952. 9.2 R325

61102 PANE MERCE, J. El maiz de los grandes rendimientos. Ceres [Valladolid] 18(202):9,11. Apr.1953. 15 C33

61103 PAPADIMITRIU, P. Italian wheat varieties grown in Greece. (In Italian.) Genet. Agr. 3:320-324. Feb.28,1953. 450 G28

61104 PIACCO, R. Carnaroli strain [of rice]. (In Italian.) Riso 2(4):10-11. Apr.1953. 59.8 R49

61105 PIACCO, R. Let us test the Roncarolo strain [of rice]. (In Italian.) Colt. e Gior. Vinic. Ital. 99:88-90. Mar.1953. 16 C72

61106 PINTHUS, M. Growing sorghum for broom manufacture. (In Hebrew.) Hassadeh 33:269-270. Feb./Mar.1953. 26 H27

61107 POIGNANT, P. Observations sur le comportement de deux blés d'hiver semés tardivement aux printemps des années 1950 et 1951. Soc. Bot. de France. B. 99:293-296. Oct./Dec.1952. 451 F84B

61108 PORSE, O. Results of the research activities of the Agricultural Society for the year 1952. (In Swedish.) Lantbrtidskr. f. Dalarna 2:60-66. Apr.1953. 11 L29
Grain and oil plants.

61109 RAO, M. B. V. N. A note on the methods of maximising production of pedigree rice seed and its distribution to the cultivators. Madras Agr. J. 40:77-81. Mar.1953. 22 M262

61110 REEDY, J. Selection of cereal seeds. Farmers Annu. 1953:45-46. 10 F2237

61111 SAN MARTINI, F. Wheat in the Republic of San Marino. (In Italian.) Genet. Agr. 3:334-335. Feb.28, 1953. 450 G28

61112 SCHALLER, F. W. Forage crops in corn? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:182-183. Apr.1953. 275.28 Io94

61113 SCHMALZ, H. Uber eine schnellmethode zur unterscheidung von sommer- und wintergetreidesaatgut. Deut. Landwirt. 4:128-131. Mar.1953. 18 D4822
Russian Zone.

61114 SCHMIDT, J. W., and HEYNE, E. G. A new wheat breeding frontier. Crops & Soils 5(8):12-13. June/July 1953. 6 W55

61115 SCHOBER, K. Vorschläge zur neuorganisierung der getreidezüchtung. Landwirtschaft 7/8:117-119. Apr. 1953. 19 L235
Austria.

61116 SCHULZ, O. R. Grain varieties grown in Nevada. Nev. Agr. Col. Ext. B. 107,19 p. Apr.1952. 275.29 N41

61117 SCOTT-WATSON, SIR J. Towards higher yields of cereal crops. Farmers Annu. 1953:9-11. 10 F2237

61118 SHINDO, S. Breeding of "Karafuto No. 2" and "Kararfuto No. 3" varieties of the hard spring wheat in South Saghalien. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:156-157. Nov.1952. 22.5 C88
English summary.

61119 SIEV, D., and HIRSHFELD, A. Trials with some maize varieties. (In Hebrew.) Hassadeh 33:271. Feb./Mar.1953. 26 H27

61120 SILOW, R. A., and KJAER, A., ed. Report of the third meeting of the International Rice Commission's Working Party on Rice Breeding convened by the Food and Agriculture Organization of the United Nations, Bandung, Indonesia, 5-10 May, 1952. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper 30,48 p. Feb.1953. 281.9 F733

61121 SMITH, G. S., STURLAUGSON, V., and HEERMANN, R. A new durum wheat—Stewart-221. N. Dak. Agr. Expt. Sta. Bimon. B. 15:208-209. May/June 1953. 100 N813B

61122 STICHTING COCOBRO. Third annual report of the Foundation for the Coordination of Culture and Research on Bread Grains. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:4-19. 1953. 59.9 St5J

61123 STONER, W. N., and GREEN, V. E. Lowland rice, a potential crop for the Everglades. Fla. Grower 61(5):17,19-20,27,29. May 1953. 80 F6622

61124 SUGAWARA, S., and INOUYE, T. The study of cultivation in the transplantation of upland rice. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:30-32. Nov. 1952. 22.5 C88
English summary.

61125 TALLARICO, G. The Mediterranean Basin and the quality of the seed. (In Italian.) Riv. di Ecol. 2:231-242. 1952. 410 R522
English summary.
Cereal seed.

61126 TANGE, M. Study on the depth of the crown of wheat and barley plant. 1. On the development of sub-crown internodes and leaves by the effect of deep sowing. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:81-82. Nov.1952. 22.5 C88
English summary.

61127 TESHIMA, T., and others. The investigation upon the yield of rice plant in the transferring cultivation of paddy and upland field in heavy soil. (In Japanese.) Crop. Sci. Soc. Japan. Proc. 21:73-74. Nov.1952. 22.5 C88
T. Takahashi, S. Tazima and N. Takahashi, joint authors.
English summary.

61128 THOMPSON, E. G. Wheat varieties. Natl. Inst. Agr. Bot. J. 6:289-299. 1952. 103 N21J
Includes discussion.
Great Britain.

61129 TRIPOLITANIA. DEPT. OF AGRICULTURE. Varieties of Italian wheat grown in Tripolitania. (In Italian.) Genet. Agr. 3:351-355. Feb.28,1953. 450 G28

61130 VILMORIN, M. DE. Rapport sur les blés italiens cultivés en France. Genet. Agr. 3:336-337. Feb.28,1953. 450 G28

61131 WEIBULL, G. Distribution of our cereal varieties. (In Swedish.) Weibulls Illus. Årsb. 48:11-22. Spring 1953. 64.9 L232

61132 YARNELL, S. H. Breeding sweet corn for resistance to the corn earworm [Heliothis armigera]. Amer. Soc. Hort. Sci. Proc. 60:379-386. Ref. Dec.1952. 81 So12

61133 ZSCHEISCHLER, H. Hybridmais. Landwirt. Wchnbl. 143:586-587. May 9,1953. 18 L2338

Fiber Crops

61134 ATKINS, R. E., REDDY, C. S., and STANIFORTH, D. W. What's new in flax farming? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:184-186. Apr.1953. 275.28 Io94

61135 BIARD, M. J. Conseils pratiques pour la culture du cotonnier au sud Vietnam. n.p.,1952? 7 p. 72 B472

61136 BLAGOJEVIĆ, D. The perspectives of cultivating giantreed. (Arundo donax). (In Serbo-Croatian.) Narod. Šumar 6:157-169. July/Aug.1952. 99.8 N16

61137 BUTLER, E. Cotton marches on. Prog. Farmer, Tex. Ed. 68(5):24,26-27. May 1953. 6 T311
Improved cultural methods.

61138 COTTON SPINNER-BREEDER CONFERENCE, 9, GREENVILLE, MISSISSIPPI, 1952. [Proceedings] September 1 and 2, 1952, sponsored by Delta Council Advisory Research Committee. Greenville,1952. 38 p. 72.9 C765

61139 DARQUENNES, H. Considérations sur la germination des graines de coton dans l'Ubangi. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 2: 51-62. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb.1953. 24 K83

61140 DASTUR, R. H., and GOPANI, D. D. The effect of spacing on the growth and yield of cotton in South Gujerat (Surat). Indian J. Agr. Sci. 22:113-137. Ref. June 1952. 22 Ag831

61141 FISHER, C. E., and BURNETT, E. Cotton yield and planting moisture. Sowest. Crop & Stock 7(5): 11,95. May 1953. 6 So8942

61142 FOREMAN, B. The plant breeders, cotton's unsung heroes. Farm & Ranch—South Agr. Upper So. Ed. 83(5):16-17. May 1953. 6 T31

61143 GREEN, J. M., and others. Cotton variety tests results, 1952. Okla. Agr. Expt. Sta. Mimeog. C. M-341, 10 p. Jan.1953. 100 Ok4M
G. A. Niles, E. S. Oswalt, and N. M. Gober, joint authors.

61144 LAUMONT, P., and BERBIGIER, A. L'alfa [Stipa tenacissima] et l'expérimentation alfatière en Algérie. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33: 125-140. Mar./Apr.1953. 26 R323

61145 LEDING, A. R., and COTTON, J. R. Spacing experiments with American-Egyptian cotton in New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1083,4 p. Apr.1953. 100 N465

61146 LODEN, H. D. Breeding suitable cottons to meet requirements in semi-arid high-altitude regions with particular emphasis on improved fiber properties. Cotton Spinner-Breeder Conf. [Proc.] 9:8-10. 1952. 72.9 C765

61147 LYNCH, P. B. Linen flax trials in New Zealand. New Zeal. J. Agr. 86:241,243,245,247,249-250. Mar.16,1953. 23 N48J

61148 MANNING, C. W. Problems in breeding rain-grown cotton varieties to meet all requirements. Cotton Spinner-Breeder Conf. [Proc.] 9:10-11. 1952. 72.9 C765

61149 MOKASHI, V. K., and KHARGONKAR, S. A. Sampling in field experiments. Indian Cotton Growing Rev. 7:72-78. Jan.1953. 72.8 In2

61150 RAO, C. J., MARAR, K. S., and SANTHANAM, V. A brief review of the cotton breeding problems in the Madras State with special reference to improvements in yield and quality. Indian Cotton Growing Rev. 7:48-56. Jan.1953. 72.8 In2

61151 ROBERTS, J. E., and KILLOUGH, D. T. Cotton variety tests, Brazos River Valley Laboratory, 1948-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1569,5 p. Apr. 4,1953. 100 T31P

61152 SEN, K. R. Intermittent weaknesses of bast filament. Sci. Club. J. 6:113-121. Dec.1952/Feb.1953. 475 Sci29
Jute.

61153 LA SIEMBRA del algodón "anual." Almanaque Creditario 10:39-45. 1953. 9.4 AL6

61154 THAKAR, B. J. Effect of rotational crops to cotton in Broach District. Indian Cotton Growing Rev. 7: 67-71. Jan.1953. 72.8 In2

61155 WAKANKAR, S. M. Some potentialities of tree cottons in India. Sci. & Cult. 18:419-420. Mar.1953. 475 Sci24

61156 WASSON, R. A., and CARSON, I. W. Louisiana cotton. La. Agr. Col. Ext. P. 1132,23 p. Nov.1952. 275.29 L93Ep
Formerly Extension Bulletin 14.

Forage Crops and Grasses

61157 ABBOTT, B. T. Ranges in southeastern United States. Amer. Soc. Farm Mgr. & Rur. Appraisers, J. 17:66-71. Apr.1953. 281.8 Am32

61158 ÅBERG, E. Hay fields in crop rotation. (In Swedish.) Beten-Vallar-Mossar 5:33-36. Apr.1953. 11 B46

61159 ACHARYA, C. N. Grow berseem and enrich the soil. Indian Farming 3:16-18. Apr.1953. 22 In283
Trifolium alexandrinum.

61160 AHRER, K. Feldfutterbau und fruchtfolge im flachland. Bauer 6(15):4-4. Apr.11,1953. 19 B32
Austria.

61161 ÅKERBERG, E., and HAGSAND, E. Bigger and better seed crops; some current problems in connection with the culture of timothy and red clover. (In Swedish.) Lantmannen 37:351-353. Apr.11,1953. 11 L234

61162 ALBEE, L. Prairie junegrass (Koeleria cristata). S. Dak. Stockgrower 7(4):24. May 15,1953. 49 So84

61163 ALONSO OLIVE, R. E. Pastos y forrajes—una vista panorâmica de su historia en Cuba. Rev. de Agr. [Habana] (ser.8):36:89-108. July 1952/Mar.1953. 8 Ag88Re

61164 ANDERSON, K. L. Just see what they do with pastures! Mo. Ruralist 94(7):18,50-51. Apr.11,1953. 6 R8891
New Zealand.

61165 ANDRADE, B. M. M. DE. Chief forage plants for the State of Sao Paulo. III. (In Portuguese.) Gado Holandês 17(193):7-8,11. Jan.1953. 43.8 G112

61166 BAYER, G. Das erdmandelgras (Cyperus esculentus), wert und zweijährige erfahrungen in gartenbaulicher kultur. Deut. Landwirt. 4:148-152. Mar. 1953. 18 D4822

61167 BAYER, G. Das zypermandelgras [Cyperus esculentus]—eine hochwertige kulturpflanze. Kosmos 49: 198-202. Ref. May 1953. 474 K842
As forage and oil plant.

61168 BEZING, L. J., BARON VON. The sweet white lupin proved by tests as greatly superior to older strains. Farmer's Wk. [Bloemfontein] 85:12-13. Apr.15,1953. 24 F225

61169 BIANCHI, A., and FORLANI, R. Alfalfa from different localities. (In Italian.) Genet. Agr. 3:215-234. Ref. Feb.28,1953. 450 G28
English summary.

61170 BINGEFORS, S. Some American pasture grasses. (In Swedish.) Beten-Vallar-Mossar 5:21-23,25. Mar.1953. 11 B46

61171 BOER, P. B. DE. Twenty-five years of intensive grassland utilization. X. (In Dutch.) Friesch Landbbl. 50:251. Apr.10,1953. 12 F91

61172 BOERGER, A. Obtención de un raygrass [Lolium multiflorum] resistente al pulgon verde [Toxoptera graminum] y la roya. Pampa Argentina 26(303):4, 22. Mar.1953. 9 P19

61173 BRANSON, F. A., and BUTCHER, J. E. Range management research works for greater production. Mont. Wool Grower 27(5):19. May 1953. 45.8 M762

61174 BRANSON, F. A. Two new factors affecting resistance of grasses to grazing. J. Range Mangt. 6:165-171. Ref. May 1953. 60.18 J82

61175 BRETTSCHNEIDER, H. Der geflügelauslauf. Geflügelhof 16:271-272. May 1,1953. 47.8 G276

61176 BRIGGS, G. M., GRABER, L. F., and AHLGREN, H. L. If pastures and hay crops fail. Wis. Agr. Col. Ext. C. 442,12 p. Apr.1953. 275.29 W75C

61177 BROWN, G. F. Development and management of tame pastures in the Northeast. Washington,U. S. Soil Conserv. Serv.,1953. 8 p. 1.96 Ad6Bro
Talk prepared for the meeting of the American Society of Range Management, Albuquerque, New Mexico, Jan. 20-22, 1953.

61178 BRUNNER. Früher schnitt—besseres heu! Württemb. Wchnbl. f. Landwirt. 120:487-489. May 9, 1953. 18 W96

61179 BUEREN, J. VAN. Regulations of the Small Farm Service in regard to grass and clover seed prizes. (In Dutch.) Zaadbelangen 7:92-94. Apr.30,1953. 61.8 Z1

61180 BURTON, G. W., and DE VANE, E. H. Suwannee Bermuda grass for deep sands. Ga. Coastal Plain Expt. Sta. Mimeog. Paper 80,1 p. Mar.1953. 100 G292M

61181 CAILLAUD, E. Les travaux rentables dans les prairies au cours de l'hiver. Agr. Creusoise 2(8): 6-8. 1952? 14 Ag827

61182 CAIN, J. C., and CARLETON, E. A. Field brome [Bromus arvensis] a new grass for orchard cover. Farm Res. [N. Y. Sta.] 19(2):13. Apr.1953. 100 N48A

61183 CANADA. DEPT. OF AGRICULTURE. PRAIRIE FARM REHABILITATION BR., REGINA, SASK. Report on Prairie farm rehabilitation and related activities 1951-52. Regina,1952. 58 p. 281.13 C164
Pasture improvement, irrigation, and water conservation.

61184 CAPUTA, J. Comment améliorer les herbages du Valais? Quelques enseignements tirés des essais de plantes fourragéres effectués dans ce canton de 1949 à 1952. Rev. Romande d'Agr. de Viticult. et d'Arboricult. 9:30-32. Apr.1953. 17 J82A

61185 CHAFFIN, W. Sweet clover to improve soil fertility. Okla. Agr. Col. Ext. C. 515,18 p. n.d. 275.29 Ok41C

61186 CHIPPINDALE, H. G. Lucerne. Home Farmer 20(4):9-10. Apr.1953. 280.344 H75
Culture in Great Britain.

61187 CLEMMER, C. W. You can have plenty of forage if you fill the gaps with annual crops. East. States Coop. 29(5):6-7. May 1953. 280.28 Ea7

61188 COOPER, M. M. Utilisation of fodder beet. Natl. Inst. Agr. Bot. J. 6:308-315. 1952. 103 N21J

61189 COSSETTE, M. L'été prochain, vous serez pris au dépourvu, à moins que. B. des Agr. 35(4):29-30. Apr.1953. 7 B872
Planting Echinochloa frumentacea.

61190 CRAWFORD, A. Quality swedes, New Zealand seed equal to best. New Zeal. Farmer 74(2):4. Mar.26, 1953. 23 N484

61191 CURASSON, G. Arbres, arbustes, buissons et fourrages spontanés divers en régions tropicales et subtropicales. Rev. d'Elevage et de Méd. Vét. des Pays Trop. 5:213-222. (Cont.) 1951/52. 41.8 R3262

61192 DANNHARDT, H. Der anbau von rotklee und luzerne. Deut. Landwirt.-Gesell. Mitt. 68:408-410. Apr. 23,1953. 18 N39

61193 DAVIDSON, R. L. Growth studies in natural grassland. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:15-21. 24 J59

61194 DAVIDSON, R. L. Herbage yields from seasonal burn experiment at Bethal. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:32-34. 24 J59

61195 DAVIDSON, R. L. Veld burning investigations. Herbage yields from seasonal burn experiment near Standerton. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:30-31. 24 J59

61196 DAVIES, W. Grassland research and the Nation. Agr. Ireland 10:111,113. May 1953. 10.5 Ag8

61197 DIAZ, R. El jaramago. Tierra [México] 8: 254. Apr.1953. 8 T445
Lathyrus sativus.

61198 DICKSON, N. D. Grassland seeding helps conserve soil fertility. West. Conserv. J. 10(2):14,32. Mar./Apr.1953. 279.8 W526

61199 DOBIE, J. B., JONES, L. G., and ZSCHEILE, F. P. Alfalfa hay quality; leaf shatter loss greatest when hay is handled at low moisture content. Calif. Agr. [Calif. Sta.] 7(4):4,13. Apr.1953. 100 C12Cag

61200 DOVRAT, A. Ryegrass for pasture & fodder. (In Hebrew.) Hassadeh 33:266-268. (Cont.) Feb./Mar. 1953. 26 H27

61201 DUDLEY, D. I. Buffalograss [Buchloe dactyloides]. Tex. Agr. Expt. Sta. Prog. Rpt. 1579,3 p. May 1, 1953. 100 T31P

61202 DUMONT, R. La petite exploitation des régions sous-développées. III. La prairie naturelle et son amélioration. J. de la France Agr. 9:317. Apr.17/23,1953. 14 J829

61203 EBY, C. You can lengthen harvesting by timing your grass crops. Windrow 3(2):4-5. May 1953. 60.18 W72

61204 ERASMUS, J. C. The effect of different stages of cutting on lucerne roots. Farming So. Africa 28:84,91. Mar.1953. 24 So842

61205 ESSER, J. Können wir uns das leisten? Grünland 2:31-32. In Tierzüchter 5(7). Apr.5,1953. 49 T445
Raising forage crops in Germany.

61206 FELIX, H. J. Resultats d'introductions de Kochia indica Wight. Feuilles Agr. 11(78):63-64. Jan./Mar.1953. 24 F43

61207 FENLEY, J. M. Reseeding sagebrush rangeland in Nevada. J. Forestry 51:337-338. May 1953. 99.8 F768

61208 FIDDIAN, W. E. H. Strains of fodder beet. Natl. Inst. Agr. Bot. J. 299-308. 1952. 103 N21J

61209 FITZGERALD, O. A. Westerners say it pays to know your grasses; be a beefsteak botanist. Windrow 3(2):6-7. May 1953. 60.18 W72

61210 FOURY, A., and PERRIN DE BRICHAMBAUT, G. Le sorgho menu, herbe du Soudan ou Sudan-grass. Terre Marocaine 281:111-117. Ref. Apr.1953. 24 T44

61211 FRISCHKNECHT, N. C., HARRIS, L. E., and WOODWARD, H. K. Cattle gains and vegetal changes as influenced by grazing treatments on crested wheatgrass. J. Range Mangt. 6:151-158. May 1953. 60.18 J82

61212 GELIN, O., and WIREN, G. English ryegrass Weibulls Viris. (In Swedish.) Weibulls Illus. Årsb. 48:34. Spring 1953. 64.9 L232

61213 GEORGIA. COASTAL PLAIN EXPERIMENT STATION. Recommendations for planting Bermuda grass on highway projects. Ga. Coastal Plain Expt. Sta. Mimeog. Paper 79,2 p. Mar.1953. 100 G292M

61214 GMELIN. Die weide ist die natürlichste form der grünlandnutzung. Bad. Landwirt. Wchnbl. 120:322-323. Apr.4,1953. 18 B142

61215 GROH. Sorgenkind grünland. Deut. Landwirt.-Gesell. Mitt. 68:407-408. Apr.23,1953. 18 N39

61216 HACKBARTH, J. Züchtung und anbau der weissen lupine (Lupinus albus). Deut. Landwirt.-Gesell. Mitt. 68:453-455. May 7,1953. 18 N39

61217 HAFENRICHTER, A. L. Grassland agriculture. Idaho Farmer 71:437,457. May 21,1953. 6 G282

61218 HAFENRICHTER, A. L. Grassland agriculture. Oreg. Farmer 76:341,374. Apr.16,1953. 6 Or32

61219 HAMMER, O. Pollination of red clover. (In Danish.) Dansk Landbr. 72:209-212. Apr.23,1953. 280.28 V91
By honey bees.

61220 HARVEY, R. Moss on the range. Wyo. Range Mangt. 58,3 p. May 1953. 60.19 W99
Value in water retention and as ground cover.

61221 HAVINGA, E. C. Improved pastures pay in maize area. Farmer's Wk. [Bloemfontein] 85:12-13,15. Apr.22,1953. 24 F225
Union of South Africa.

61222 HAWKINS, R. P., and ZALESKI, A. Notes on some strains of lucerne, red clover and perennial ryegrass. Natl. Inst. Agr. Bot. J. 6:212-222. 1952. 103 N21J

61223 HEERWAGEN, A. The proof is in the pounds. West. Livestock J. 31(23):51,71-72,75-76,78. Apr.1953. 6 F2278
Range management.

61224 HEINRICHS, D. H. New wheatgrasses [Agropyron] worth trying. Country Guide 72(5):13,38. May 1953. 7 G76

61225 HEMPEL, W. Eine lanze für den bokharaklee. Deut. Landwirt.-Gesell. Mitt. 18:426-427. Apr.30, 1953. 18 N39

61226 HENDERSON, J. R. Here's the story on pasture grasses! Fla. Cattleman 17(9):36-37,65. June 1953. 43.8 F66
Florida.

61227 HENRY, T. Mezclas forrajeras. Uruguay. Min. de Ganad. y Agr. B. Inform. 10(453):8-9. Feb.5,1953. 9.9 G15B

61228 HILLMANN, H. D. Ersatz für fehlendes futtererbsensaatgut; lässt es sich beschaffen? Hannoversche Land- u. Forstwirt. Ztg. 106:473. Apr.18,1953. 18 H194

61229 HILLS, L. D. Russian comfrey—fodder crop for today and tomorrow; how to grow and use. Farmer [Shaftesbury] 8:16-18. Spring 1953. 10 F2282
Symphytum peregrinum.

61230 HODGES, E. M., JONES, D. W., and KIRK, W. G. Pasture progress of past years has benefitted cattle owners; grazing season is longer, cattle quality up. Fla. Cattleman 17(9):22,24-25. June 1953. 43.8 F66

61231 HOLLARD, M. G. Utilisation of pasture by dairy cows. Rur. Educ. B. 8:29-36. (Cont.) Mar.1953. 109 C162
Pasture management.

61232 HOLMES, R. H. Fodder beet for the mixed farm. Farmer & Stock-Breeder 67(3314):55. Apr.28, 1953. 10 F228
In Great Britain.

61233 HUMPHREY, R. R. The desert grassland, past and present. J. Range Mangt. 6:159-164. Ref. May 1953. 60.18 J82

61234 HUMPHREY, R. R. Forage production on Arizona ranges. III. Mohave County; a study in range condition. Ariz. Agr. Expt. Sta. B. 244,79 p. Feb.1953. 100 Ar4

61235 HURST, F. J. For land and livestock, choose pastures. Prog. Farmer, Miss.-Ark.-La. Ed. 68(5):21, 145. May 1953. 6 So81

61236 HUSEMANN, C. Zur frage der bewertung und bewirtschaftung sog. grünlandböden. Grünland 2:26-31. In Tierzüchter 5(7). Apr.5,1953. 49 T445

61237 JACKOBS, J. A., and PURNELL, W. F. What makes good pasture. Breeder's Gaz. 118(6):7,20-21. June 1953. 49 B74

61238 JANTTI, A. Grassland practices in relation to soil water in Central, West and North European countries. Suomen Maataloustiet. Seura. Julkaisu. 81(2),39 p. Ref. 1953. 20 Su7

61239 JANTTI, A. Koiranheinä ja nurminata lyhytikäisten laidun- ja säilörehu- nurmien valtakasveina; Helsingin Yliopiston Viikin Koetilalle Sijoitetun laidunkokeen tuloksia vuosilta 1950-952. Cocksfoot and meadow fescue as main plants in leys for grazing and silage; results of a pasture field experiment at the Viiki Experimental Farm of Helsinki University in 1950-1952. Suomen Maataloustiet. Seura. Julkaisu. 81(3),64 p. Ref. 1953. 20 Su7
English summary.

61240 JANTTI, A. Lyhyt- ja pitkäikäisten laidunnurmien satoisuudesta toisiinsa verrattuna kyntökelpoisilla mailla. Comparisons of the productivity of permanent and rotation pastures on plowable land. Suomen Maataloustiet. Seura. Julkaisu. 81(1),15 p. Ref. 1953. 20 Su7
English summary.

61241 JENSEN, L. M. Big game range management. S. Dak. Conserv. Digest 20(3):10-12,16. Mar.1953. 412.9 So822

61242 JONES, D. K. Conservation of fodder in Cyprus. Countryman [Nicosia] 7(3):5-9. Mar.1953. 25 C83
Hay and silage manufacture.

61243 JONES, D. W., HODGES, E. M., and KIRK, W. G. Range Cattle Station pasture project explained. Fla. Cattleman 17(9):50-51. June 1953. 43.8 F66

61244 JONES, M. Aftermath in May. Farmers Wk. [London] 38(19):51. May 8,1953. 10 F2226
Field management to increase protein content of grass in Great Britain.

61245 JOSA, G. Fodder beet root in intercalar winter culture. (In Italian.) Italia Agr. 90:181-186. Mar. 1953. 16 It1

61246 KELLER, D. S. Make the pasture season really pay. East. States Coop. 29(5):10-11. May 1953. 280.28 Ea7

61247 KLAPP. Neue wege in der zusammenstellung von kleegras- und grünlandansaaten. Grünland 2:25-26. In Tierzüchter 5(7). Apr.5,1953. 49 T445

61248 KONING, H. Production of Italian ryegrass seed. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:158-166. Ref. Apr.1953. 12 N383M

61249 KOZAKI, M. Studies on the Italian rye grass of the forage plant. 1. Experimental results of growth and cultural methods. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:152-153. Nov.1952. 22.5 C88
English summary.

61250 KOZAKI, M. Studies on the pearl-millet of forage plant. I-II. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:56-60. Nov.1952. 22.5 C88
English summary.
I, Growth and yield of soiling; II, Seed production.
Pennisetum glaucum.

61251 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 6(13):12. Apr.3,1953. 18 B324
Germany.

61252 KRAUSE, W. Die wichtigsten kräuter auf unseren wiesen. Bauern-Ztg. 6(18):10. (Cont.) May 8, 1953. 18 B324
Germany.

61253 KRIPP, H. VON. Grünlandwirtschaft des kaninchenzüchters. II. Osterr. Kleintierzüchter 8:59-60. Apr.1953. 49 Os7

61254 LA ROCHE, W. VON. ERP-versuche zur vereinfachung des grassamenbaues. Deut. Landwirt.-Gesell. Mitt. 68:378-379. Apr.16,1953. 18 N39

61255 LOFVENMARK, H., and STEEN, E. Undersökningar rörande foderväxtodlingens betingelser och möjligheter i den jämtländska fjällbygden. Investigations into the conditions and possibilities of foddercrop cultivation in the highland of Jämtland. Sweden. Stat. Jordbrförsök. Meddel. 43,43 p. Ref. 1952. 104 Up63
English summary.

61256 LOOMIS, C. W. A statistical study of the botanical composition of hay meadows on 50 upland dairy farms, Otsego County, June 1952.(preliminary). N. Y. Agr. Col. A. E. 853,15 p. Apr.1953. 281.9 C81

61257 MCCULLOUGH, C. W. A lot of bunches. Utah Farmer 73:455,492. May 21,1953. 6 D45
Alfalfa.

61258 MADSEN, J. R. On the uncertainty of red clover culture. (In Danish.) Dansk Frøavl 36:125-126. May 1,1953. 61.8 D23

61259 MARRIOTT, S., and ANDERSSEN, K. B. Buffel grass (Cenchrus ciliaris L.). Queensland Agr. J. 76:3-9. Jan.1953. 23 Q33

61260 MASS, D. The hay crop. (In Hebrew.) Hassadeh 33:255-257. Feb./Mar.1953. 26 H27

61261 MEDLER, J. T. New chemical aids harvest of legume seed crops. Crops & Soils 5(8):18-19,30. June/July 1953. 6 W55
Endothal.

61262 MONTMAGNY, C. DE. Assurez-vous les meilleurs produits de vos herbages. Vie a la Campagne 42:169-170. May 1953. 80 V67

61263 MORWOOD, G. E. A preliminary survey of the suitability of various perennial and annual-reseeding, herbaceous, legumes as pasture and fodder crops on the Witwatersrand. (Abs.) U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:55-56. 24 J59

61264 MULLER, H. Verbessert eure wiesenbestände durch zeitweises beweiden! Bauern-Ztg. 6(16):5. Apr. 24,1953. 18 B324
Germany.

61265 MUNSELL, R. I. Growing alfalfa in Connecticut. Conn. Agr. Col. Ext. B. 445,12 p. Mar.1953. 275.29 C76B

61266 NETHERLANDS. RIJKSINSTITUUT VOOR RASSENONDERZOEK VAN LANDBOUWGEWASSEN. Voederbieten [Feed beets], 1953. Ber. over Rassenkeuze 145,6 p. Mar.30,1953. 64.9 W12
Varieties.

61267 NIESER, O. Kultur- und unkrauttimothe, 1000-korn-gewichte, entspelzte körner. Saatgut-Wirt. 5:69-71. Mar.1953. 61.8 Sa1
Phleum pratense and P. nodosum.

61268 NORDENSKJÖLD, VON. Die qualität entscheidet. Wasser u. Boden 5:59-61. Mar.1953. 56.8 W28
Pasture management.

61269 NÖTHLICH, F. Zur untersuchung teilweise kultivierter hochmoore. Wasser u. Boden 5:65-66. Mar. 1953. 56.8 W28

61270 OLIVA, A. Physiology, pathology and improvement of the grassy cover of meadows and Alpine pastures, in view of the application of the provisions for the mountain area. (In Italian.) Humus 2:5-13. Feb.1953. 16 H88
English summary, p. 4.

61271 OPACIC, LJ. Concerning the mountain pastures in Bosnia and Hercegovina. (In Serbo-Croatian.) Narod. Sumar 7:4-17. Jan./Feb.1953. 99.8 N16
English summary.

61272 ORTEGA, J. L. La alfalfa. Hojas de Divulg. Agr.,p.2-5. In Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 59. Apr.1953. 15 Sa7

61273 PAASCH, E. W. Uber einige fragen der weidebewirtschaftung. Deut. Landwirt. 4:187-192. Apr. 1953. 18 D4822
Russian Zone.

61274 PASSMORE, M. Cattle and sheep grazing. Farmers Annu. 1953:53-54. 10 F2237

61275 PHILLIPS, R. P., and KNOX, H. S. The quality of white clover seed and white clover mixtures tested at Louisiana State Seed Laboratory. La. Acad. Sci. Proc. 15: 55-57. 1952. 500 L932

61276 POULTNEY, R. G. A selection and detailed investigation of some forms of Eragrostis for use as pastures and leys on the highveld. (Abs.) U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:57-61. 24 J59

61277 POWELL, S. C. Mornington Peninsula Pasture Competition. Victoria. Dept. Agr. J. 51:105-109. Mar.1953. 23 V66J

61278 PREUSCHEN, G. Die natürliche grünfuttertrocknung. (Sum.) Österr. Landtech. 5:340. Dec.1952. 58.8 L236

61279 RAKOVER, J. Sudan grass from unirrigated fields. (In Hebrew.) Hassadeh 33:257-258. Feb./Mar. 1953. 26 H27

61280 RAUCHINGER, G. Alpine pasture fields big aid to Austrians. Family Herald & Wk. Star 84(20):7,19. May 14,1953. 7 F21

61281 RAUH, G. Zur heuernte. Landwirt. Wchnbl. 143:553-554. May 2,1953. 18 L2338
Culture of forage plants in Germany.

61282 RONNINGEN, T. S. Susceptibility to winter injury and some other characteristics in Ladino and common white clovers. Agron. J. 45:114-117. Mar.1953. 4 Am34P

61283 RÜTHER, H. Grundlagen des leguminosen-anbaues in Mitteldeutschland (insbesondere des erbsenanbaues auf besseren böden). Z. f. Acker- u. Pflanzenbau 96:45-74. Ref. Mar.1953. 18 J825

61284 SCHMIDT, H. H. Zur methodik der artenunterscheidung bei weidelgräsern mittels der quarzlampenanalyse (vorläufige mitteilung). Saatgut-Wirt. 5:100. Ref. Apr.1953. 61.8 Sa1

61285 SCHUMACHER, C. M. Correct seasonable use is the key to profitable utility. VII. Needleandthread [Stipa comata]. Nebr. Cattleman 9(9):42-43. May 1953. 43.8 N27

61286 SCHWENDIMAN, J. L., and HAFENRICHTER, A. L., and LAW, A. G. The production of tops and roots by grass and sweetclover when grown in mixtures. Agron. J. 45:110-114. Ref. Mar.1953. 4 Am34P

61287 SECHET, J. La culture du lupin et les avantages de sa printanisation. Terre d'Oc 32:133-137. Apr. 1953. 14 Ar5

61288 SHORT, L. R. New equipment for the 3-step method. J. Range Mangt. 6:184-186. May 1953. 60.18 J82
To estimate trend in range condition.

61289 SHULTZ, A. M., and BISWELL, H. H. Reseeding burned rangeland; competition between annual and perennial grasses studied to determine best seeding rates for good forage. Calif. Agr. [Calif. Sta.] 7(3):3-4. Mar.1953. 100 C12Cag

61290 SILLCOCK, K. M. Dairy farm management; results of 1952 competition. Victoria. Dept. Agr. J. 51: 97-104,136-140. Mar.1953. 23 V66J
Pasture management.

61291 STEPPLER, H. Mixtures for grassland. Macdonald Farm J. 13(7):2,4. Mar.1953. 101 M144

61292 STODDART, L. A. Unanimity—our key to progress in range management. J. Range Mangt. 6:143-149. May 1953. 60.18 J82

61293 STOECKELER, J. H. Lupines as a nursery soil improvement crop. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 395,1 p. Apr.1953. 1.9 F7625T

61294 TABOR, P. Crabgrass for soil protection and forage. Agron. J. 45:123. Mar.1953. 4 Am34P

61295 TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. DEPT. OF RANGE AND FORESTRY. Range management vs drouth. Soil & Water Mag. 2(5):22-26. May 1953. 54.8 So3

61296 THOMPSON, C. K. "The story of a nameless grass which has made good": tanner grass. Rhodesian Farmer, Mar.18,1953:11,14. 24 R347

61297 THOMPSON, W. R. Building for summer pastures. Prog. Farmer, Miss.-Ark.-La. Ed. 68(5):24, 146. May 1953. 6 So81

61298 TIEMANN. Rotkleeaufbesserungs- und ersatzvorschläge. Deut. Landwirt.-Gesell. Mitt. 68:375-376. Apr.16,1953. 18 N39

61299 TINDALL, C. How can we get most from our pastures? Mo. Ruralist 94(10):4-5,22. May 23,1953. 6 R8891

61300 UPCHURCH, M. L. A program of research in the economics of range land improvement. (Abs.) J. Range Mangt. 6:184. May 1953. 60.18 J82

61301 VAITSMAN, J. Use of banana plants as forage. (In Portuguese.) Soc. Rur. Bras. Rev. 33(385):44-45. Feb.1953. 9.2 B733

61302 VANDER NOOT, G. W. Are you wasting that rough land? N. J. Agr. 35(2):3-4. Mar./Apr.1953. 275.28 N46
Pastures.

61303 VAN DER VYVER, J. Veld management in the Roggeveld Mountains. Farming So. Africa 28:92. Mar.1953. 24 So842

61304 VESTAD, R. Norwegian timothy strains and strain trials. (In Norwegian.) Forsk. og Forsøk i Landbr. 4:55-78. Ref. 1953. 11 F772
English summary.

61305 WALANDOUW, P. H. Grassland in Indonesia. J. Sci. Res. 1:201-212. Oct./Dec.1952. 475 J822

61306 WEITZ, J. Hill pasture and afforestation. (In Hebrew.) Hassadeh 33:220-223. Feb./Mar.1953. 26 H27

61307 WEST, D. W. The distinguishing characteristics of Johnson grass and Sudan grass seed. Assoc. Off. Seed Anal. Proc. 42:74-75. 1952. 61.9 As7

61308 WHITLOCK, R. Fodder crops on the farm. Field 201:718-719. Apr.30,1953. 10 F45

61309 WRAAE-JENSEN, H. Experiments with seed crops 1952. 3. (In Danish.) Dansk Frøavl 36:105-113. Apr.15,1953. 61.8 D23
Forage plants, peas and sugar beets.

Oil Crops

61310 ANDERSSON, G. Svalöf flora poppy. (In Swedish.) Sveriges Utsädesför. Tidskr. 63:56-62. 1953. 61.9 Sv23
English summary.

61311 BAYLOR, J. E. A good year to grow soybeans: here's how! N. J. Farm & Gard. 24(5):36-37. May 1953. 6 G162

61312 BAYLOR, J. E. It's a good year to grow soybeans. East. Feed Merchant 4(6):74,76. June 1953. 389.78 Ea7

61313 BEN YEHUDA, R. Oil crops and their importance. (In Hebrew.) Hassadeh 33:262-265. Feb./Mar. 1953. 26 H27

61314 BRIGGS, G. M., and TORRIE, J. H. Soybeans in Wisconsin. Wis. Agr. Col. Ext. C. 444,12 p. Apr.1953. 275.29 W75C

61315 BRISTER, B. New short-season crop for East Texas. East Tex. 27(8):6. May 1953. 6 Ea73
Sesame seed for oil.

61316 CALMA, V. C., and ROSARIO, C. V. A study of the adaptability to Los Baños conditions of eleven varieties of soybean. Philippine Agr. 35:375-378. Dec. 1951,pub.Dec.1952. 25 P542

61317 DESJOBERT, G. La culture du lin oléagineux. France. Min. de l'Agr. B. Tech. d'Inform. 77:167-172. Mar.1953. 14 F844B

61318 HODGSON, R. E. Soybeans are tough. Soybean News 4(4):1,4. Apr.1953. 60.38 So92

61319 HORBERG, Y. Weibulls's Margo. New fall rape. (In Swedish.) Weibulls Illus. Årsb. 48:33. Spring 1953. 64.9 L232

61320 KAWANISHI, R. Studies on the varieties of the sesames. 1. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:50-51. Nov.1952. 22.5 C88
English summary.

61321 LARROQUE, P. Action d'ensemble en vue d'une étude générale des ricins. Oléagineux 8:189-196. (Cont.) Apr.1953. 77.8 OL2

61322 LEAL, J. C. Effect of time of sowing on yield in sunflowers. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:356-362. Oct./Dec.1952. 9.2 R325

61323 MAURITIUS. DEPT. OF AGRICULTURE. Groundnut cultivation in Mauritius. Rev. Agr. de l'Ile Maurice 32:28-34. Jan./Feb.1953. 24 M44
From its Advisory Leaflet 3.

61324 POOLE, D. D., and VAN HORN, D. L. Castor bean production and variety trials in Texas, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1571,4 p. Apr.13,1953. 100 T31P

61325 PROBST, A. H. They did it in '52. Soybean News 4(4):2-3. Apr.1953. 60.38 So92
New record of yield in Indiana.

61326 ROBINSON, R. G., and SOINE, O. C. Sunflowers for Minnesota? Minn. Farm & Home Sci. [Minn. Sta.] 10(3):14-15. May 1953. 100 M668

61327 SHIMOJIMA, H., and MIKOSHIBA, K. On the effect of pinching and transplanting upon soybean. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:129-130. Nov. 1952. 22.5 C88
English summary.

61328 TICÓ, L. El ricino, resultados de la experimentación. Inst. Agr. Catalan de San Isidro. Rev. 102:33-35. Feb.1953. 15 Sa5

61329 U. S. PRODUCTION AND MARKETING ADMIN. The castor bean production and procurement program. Washington,1953. 7 p. 1.956 A2C27

61330 WOODARD, J. P. 14 ways to increase peanut yields. Prog. Farmer, Carolinas-Va. Ed. 68(5):21. May 1953. 6 P945

61331 YORK, E. T., and others. Triple your peanut yields. Res. & Farming [N. C. Sta.] 10(3):6. Winter 1952. 100 N81R
B. M. Cannon, W. E. Cooper, and P. O. Ritcher, joint authors.

Sugar Crops

61332 AMERICAN SOCIETY OF SUGAR BEET TECHNOLOGISTS EASTERN UNITED STATES AND CANADA. Proceedings of the seventh regional meeting, Detroit, Michigan, Hotel Statler, January 21 and 22, 1953. Detroit,1953. 92 p. 66.9 Am353

61333 ARIKADO, H. On the spacing problem in sugarcane. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:136-137. Nov.1952. 22.5 C88
English summary.

61334 CASAS BRICENO, G. Más variedades de caña de azúcar. Agro [Maracay] 7(22):61-63. Sept./Oct.1952. 9.95 Ag83

61335 COOK, R. L., and ROOD, P. J. Minimum seedbed preparation. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:8-10. 1953. 66.9 Am353

61336 ECHEANDIA C., C. Nueva variedad de la caña de azúcar C.E.C.(12)J. (Extr.) Vida Agr. [Lima] 30:117,119,121,123-126. Feb.1953. 9.8 V66

61337 ERDMANN, M. H., NICHOL, G. E., and HARRISON, C. M. Forage management and sugar beet yields. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:80-85. 1953. 66.9 Am353

61338 FALLER. H. Ist topinambur in Südbaden anbauwürdig? Bauern-Ztg. 6(16):6,10. Apr.24,1953. 18 B324
Culture.

61339 HAWAIIAN SUGAR PLANTERS' ASSOCIATION. 1952-1953 acreage census of cane varieties. Hawaii. Sugar Planters' Assoc. Spec. Release 72,10 p. Feb.1953. 65.9 H318

61340 HEBERT, L. P. A comparison of sugarcane variety stalk characters as related to planting rate. Sugar B. 31:240,244-245. May 1,1953. 65.9 Am32

61341 HITIER, H. La culture de la betterave industrielle et la production fourragère. Acad. d'Agr. de France. Compt. Rend. 39:241. Feb.25/Mar.4,1953. 14 P215Bc

61342 HOWIE, A. Sugar-beet growing. Scot. Agr. 32: 175-178. Spring 1953. 10 Sco82So

61343 JOHNSON, R. T. A progress report on the sugar beet breeding program. Spreckels Sugar Beet B. 17:12-13. Mar./Apr.1953. 66.8 Sp7

61344 JUNGFLEISCH, M. La betterave à sucre en Egypte. Égypte Agr. 51(403):8-9. Jan./Feb.1953. 24 Un32

61345 KOHLS, H. L. Present status of sugar beet breeding at Michigan State College. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:29-32. 1953. 66.9 Am353

61346 KOSTRINSKY, J. Monthly sowing of sugar beet. (In Hebrew.) Hassadeh 33:268-269. (Concl.) Feb./Mar.1953. 26 H27

61347 KÜPPERS, G. A. Topinamburanbau in Frankreich. Zucker 6:204-206. May 1,1953. 65.8 Z82

61348 MATZOLD, G. Uber die anwendung pillierten saatgutes im zuckerrübenbau (versuchsergebnisse des jahres 1952). Deut. Landwirt. 4:119-122. Mar.1953. 18 D4822
Russian Zone.

61349 MULDER, F. Handleiding voor de teelt van bietenzaden [Manual for the culture of beet seeds]. Meppel,Ceres,1952. 84 p. 66 M89

61350 RAHEJA, P. C., and SINGH, D. Growth studies in Saccharum officinarum IV. Tillering in relation to cane weight. Indian J. Agr. Sci. 22:139-149. June 1952. 22 Ag83I

61351 REGE, R. D., and PATWARDHAN, G. K. Is intercropping possible in sugarcane culture—its effect on cane growth and yield. Indian Farming 3:26-27,31. Apr.1953. 22 In283

61352 SORNAY, A. DE. La canne à sucre M. 134/32. Rev. Agr. de l'Ile Maurice 32:5-11. Jan./Feb.1953. 24 M44

61353 TARČINSKI, S. Transplantation and production of sugar beet shoots. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):22-24. Mar.1953. 21.5 V87

61354 VASQUEZ CARRIZOSA, C. Importancia de la caña de azucar en el Valle del Cauca. Rev. Nac. de Agr. 47(575):25-26. Mar.1953. 9.4 R32

61355 VOLP, P. A note on the germination of Q.50 in the Cairns District. Queensland Soc. Sugar Cane Technol. Proc. 20:127-129. 1953. 65.9 Q332

61356 WEISS, A. Gute rübenpflege vordringlich! Bauern-Ztg. 6(17):6. May 1,1953. 18 B324

61357 WILLCOX, O. W. Why cane varieties deteriorate; an explanation of the reason for "running out." So. African Sugar J. 37:171,173. Mar.1953. 65.8 So8

61358 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. How to grow more sugar beets per acre. Wis. Agr. Col. Ext. Spec. C. 31,1 p. Apr.1953. 275.29 W75S

61359 ZANNONI, I. Sugar beet culture in productive procedure. (In Italian.) Colt. e Gior. Vinic. Ital. 99:86-87. Mar.1953. 16 C72

Tobacco

61360 BAILOV, D. L'industrie du tabac et les nouvelles espèces de tabac en Bulgarie. Rev. Internatl. des Tabacs 28:75,77. Apr.1953. 69.8 R324

61361 COPLEY, T. L., and FORREST, L. A. Mulch balk! Res. & Farming [N. C. Sta.] 10(3):11. Winter 1952. 100 N81R
Rye winter cover between tobacco rows.

61362 CROUSE, R. H. Aromatic tobacco production. N. C. Agr. Col. Ext. C. 375,12 p. Mar.1953. 275.29 N811
A revision of publication prepared in 1949 by R. R. Darkis and J. R. Mattison.

61363 FERRER, L. G. Field notes and observation on some newly introduced Virginia tobacco in Ilocos provinces. Philippines. Bur. Plant Indus. Plant Indus. Digest 16(3):9-11. Mar.1953. 25 P544P
Philippines.

61364 LAFOND, J. A. La culture du tabac à fumer dans la région de Bone (Algérie). Rev. Internatl. des Tabacs 28:83-87. (Cont.) Apr.1953. 69.8 R324

61365 LATIQUE, P. Le tabac à Madagascar. Rev. Internatl. des Tabacs 28:79,81. Apr.1953. 69.8 R324

61366 MADAMBA, U. V., and SISON, B. J. Preliminary test of batek tobacco growing at the Kidapawan Wrapper Tobacco Experiment Station. Philippines. Bur. Plant Indus. Plant Indus. Digest. 16(3):12-15. Mar.1953. 25 P544P
In the Philippines.

61367 ORTIZ R., G. Normas para el cultivo del tabaco en Colombia. Almanaque Creditario 10:29-36. 1953. 9.4 AL6

61368 PERDOMO, J. E. El tabaco habano, patrimonio nacional. Rev. de Agr. [Habana] (ser.8)36:34-37. July 1952/Mar.1953. 8 Ag88Re

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

61369 AL-BAKER, A. J. The mission & objectives of the Horticulture Division in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:263-274. Apr./June 1953. 22.5 Ir1
English summary, p. 4.

61370 AWAD, G. The gardens of kings and caliphs during the Islamic period. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:330-336. Apr./June 1953. 22.5 Ir1
English summary, p. 7.

61371 BAKER, T. Horticulture and orchards in ancient Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:308-320. Apr./June 1953. 22.5 Ir1
English summary, p. 6.
Mesopotamia.

61372 BARRERA RIBER, R. Que es horticultura? Asoc. Nac. de Ingen. Agron. B. 3(36):10-11. Mar.1953. 58.9 As5

61373 BAUMGARTNER, L. L. Plastic coating cuts transplanting losses. Pop. Gard. [Albany] 4(5):22-24. May 1953. 80 P812

61374 BOOM, B. K. The practical application of the new rules for naming horticultural plants. II. (In Dutch.) Zaadbelangen 7:82-83. Apr.15,1953. 61.8 Z1

61375 FILLMORE, R. H. Major techniques in plant propagation. Amer. Nurseryman 97(10):13,34-43. May 15,1953. 80 Am371

61376 FLETCHER, H. L. V. Fletcher's folly. London,Hodder & Stoughton,1952. 287 p. 90.52 F63F
Gardening.

61377 HAARER, A. E. Recipes for growing. Com. Grower 2991:857-858. Apr.23,1953. 80 F941
Greenhouse culture.

61378 HAUVILLE, A. Le soleil, les vents, le sécateur et les arbres récemment plantés. Rev. Agr. de l'Afrique du Nord 51:379-381. Apr.10,1953. 80 R326

61379 HELLYER, A. G. L. Your garden week by week. Ed. 2, rev. London,Collingridge,1952. 287 p. 90.04 H36

61380 HILLING, T. South American nurseries visited. Nurseryman & Seedsman 116:1034-1035. Apr. 16,1953. 80 N933

61381 HOGEWEG, H. R. Die höfeordnung und ihre auswirkung im gartenbau. Schr. z. Förd. des Gartbaues. 3,12 p. 1953. 80 Sch72

61382 JAWAD, M. Among flowers and fruits. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:321-329. Apr./June 1953. 22.5 Ir1
English summary, p. 6.
Historical.

61383 KEITH'S florist directory and horticultural guide, 1953 edition. Toronto,1953. 260 p. 225 K27

61384 KING, E. J. Plant propagation. Ed. 2. New York,Farrar,Straus & Young,1952. 264 p. 90.11 K58

61385 MUIJZENBERG, E. W. B. VAN DEN. Horticultural technique and the flood-disaster. Netherlands. Dir. van de Tuinbouw. Meded. 16:147-149. Mar.1953. 86 N384

61386 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. List of nurserymen, dealers, and others in the State of New York who received nursery certificates for the year ending October 1, 1952. N. Y. Dept. Agr. & Mkt. C. 723,47 p. 1952. 2 N482C

61387 OCHSE, J. J. A note on a new quick method of propagation by cuttings. World Crops 5:208. May 1953. 281.8 W892

61388 PENNSYLVANIA HORTICULTURAL SOCIETY. 1953 yearbook, with reports for 1952. Philadelphia,1953. 35 p. 81 P832Y

61389 SHELDRAKE, R. Gardening in Georgia. Ga. Agr. Col. Ext. B. 577,40 p. Mar.1953. 275.29 G29B

61390 STOUTEMYER, V. T. Growing plants from seeds—newer ideas. Plants & Gard. (n.s.)9:63-65. Spring 1953. 450 P694

61391 SUTCLIFFE, A. Common sense in the garden. Plants & Gard. (n.s.)9:31-33. Spring 1953. 450 P694

61392 WESTLING, S. Gardening. (In Swedish.) Lantm. och Andelsfolk 26:124-125. Apr.30,1953. 20 L29
In Finland.

61393 WHITE, H. C. How I plant a tree. Org. Farmer 4(9):20-23. Apr.1953. 57.8 Or3

61394 WHITEHEAD, S. B. The cold greenhouse. London,Gifford,1952. 191 p. 90.13 W58

Fruits--General

61395 ABBISS, H. W. That post-petal check-up. Farmer & Stock-Breeder 67(3316):51. May 12, 1953. 10 F228
Orchard management.

61396 ARNDT, E. Ist der hochstammobstbau unserer heimatgebiete überholt? Bauern-Ztg. 6(18):6,12. May 8, 1953. 18 B324
Germany.

61397 AUBERT, P. Arboriculture fruitière. Agenda de l'Agr. et du Vigneron 1953:265-268. 30.3 Ag33

61398 BARTON, G. Good pollination and a profitable trade in honey. Com. Grower 2990:813. Apr.16,1953. 80 F941
Permanent apiaries for bumper fruit crops and honey by-products.

61399 BAUER, W. Wind und bodenfeuchtigkeit zwei wichtige faktoren im obstbau. Hess. Obstbau 8:68-70. May 1953. 80 G1932

61400 BODO, F. Obstbau—einmal anders. Landwirtschaft 7/8:133-136. (Cont.) Apr.1953. 19 L235
Austria.

61401 BORGMAN, H. H. Determination of the rate of growth of fruittrees. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:239-242. Apr.1953. 86 N384
English summary.

61402 BRANZANTI, E. C. Some aspects of fruit culture in the United States. (In Italian.) Riv. di Frutticolt. 15:107-140. Apr.1953. 80 R52
English summary.
A Point IV Mission.

61403 BRY. La production fruitière sur le plan français. Pomol. Franç. 80:46-54. Apr.1953. 80 P77

61404 BYRNE, J. C. A canner gives his opinions on general and economic aspects of orchard production. Austral. Food Mfr. & Distrib. 22(9):16,18,20. Apr.6, 1953. 389.8 Au7

61405 CARLONE, R. Effect of the reduction of effective styles on fruit set of some varieties of apples and pears. (In Italian.) Genet. Agr. 3:193-203. Feb.28,1953. 450 G28
Engiish summary.

61406 ECKMULLNER. Obstbau in gebirgslagen. 4. Die anpflanzung. Landwirt. Mitt. 93(7):6. Apr.1,1953. 19 L236
Austria.

61407 FRANCOTTE, C. L'arrachage mécanique des arbres fruitiers. Cour. Hort. 15:149-150. Mar.1953. 80 C834

61408 FRENCH, A. P. Report of inspection of nursery stock for trueness to name during 1951. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:15. 1952. 81 M384

61409 GIVON, H. Yields of summer fruit, 1952. (In Hebrew.) Hassadeh 33:293-296. Feb./Mar.1953. 26 H27

61410 GRAVES, H. A. Our native fruits. Dakota Farmer 73(9):14. May 2,1953. 6 D14
Includes berries.

61411 GREEN, F. Western slope fruit research. Colo. Farm & Home Res. [Colo. Sta.] 3(6):3-5,14-15. Mar./Apr.1953. 100 C712Co

61412 HAAS, DE. Tradition und fortschritt im obstbau Landwirtbl. Weser-Ems 100:378-379. Apr.2,1953. 18 L2345

61413 HAMBOULLAS, K. Seasonal operations in the orchard. Countryman [Nicosia] 7(3):15-16. Mar.1953. 25 C83

61414 HUDAULT, C. Comment une nouvelle technique arboricole peut contribuer à résoudre un problème économique. France. Min. de l'Agr. B. Tech. d'Inform. 77:173-177. Mar.1953. 14 F844B
Pruning.

61415 HUTCHISON, J. E., HANCOCK, B. G., and ROSBOROUGH, J. F. Fruit varieties for Texas. Tex. Agr. Col. Ext. C-150,rev.,6 p.-folder. Oct.1952. 275.29 T312C

61416 KEMMER, E. Über das notwendige im deutschen obstbau. Obstbau 75:72-73. Mar.1,1953. 80 Ob73

61417 KOBEL, F. Spätfröste und obstbau. Schweiz. Z. f. Obst- u. Weinbau 62:158-162. May 2,1953. 80 Sch9

61418 KRÜGERKE. Das ziel auch für 1953 - eine qualitätsernte! Obstbauberatungsring. Mittbl. 8(2):1-2. Apr.1,1953. 85 Ob72

61419 KÜHNER, M. Wieviel bienenvölker sind für die blütenbefruchtung erforderlich? Hess. Obstbau 8:51-53. Apr.1953. 80 G1932

61420 LAVEZZINI, A. New activities in fruit culture in Parma. (In Italian.) Avvenire Agr. 61:85-88. Apr. 1953. 16 Av9

61421 LOEWEL, E. L. Das obstarten- und sortenverhältnis an der Niederelbe und die zukünftige planung. Obstbauversring. des Alten Landes. Mitt. 8:56-64. (Cont.) Mar.1953. 85 J76

61422 MAISRIEMLER, F. Das umveredeln. Bauer 6(16):11-12. Apr.18,1953. 19 B32
Fruit in Austria.

61423 MARKUS, R. Statistical study of the winters in Porto Alegre in relation to the hardiness of fruit trees of temperate climate. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:231-248. Ref. Sept.1952. 9.2 R325

61424 MASSACHUSETTS FRUIT GROWERS' ASSOCIATION. Report of the fifty-eighth annual meeting, January 8-9-10, 1952. n.p.,1952. 206 p. 81 M384

61425 MASSACHUSETTS FRUIT GROWERS' ASSOCIATION. Report of the fifty-ninth annual meeting, January 6-7-8, 1953. n.p.,1953. 164 p. 81 M384

61426 MATTOS, J. R. DE. Aspects of fruit culture in Uruguay. (In Portuguese.) Lav. Arroz. 6(74):12,14. Feb.1953. 59.8 L39

61427 MAURER, K. J. Zur frage der frostsicherung durch gerüstbildner. Obst- u. Gartbau. 8:35-36. Mar. 1953. 80 Ob75

61428 OSTLIND, N. Chemical blossom thinning of fruit trees. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 2:42-43. 1953. 86 Sv2F

61429 PÉLEGRIN, P. Enquête sur la production fruitière en A.E.F. Fruits 8:104-111. Mar.1953. 80 F9492

61430 REBOUR, H. Les essais comparatifs de productivité en arboriculture fruitière. Algeria. Inst. Agr. Ann. 7(2),48 p. July 1952. 108 AL35

61431 REDMAN, J. Training dwarf [fruit] trees. Family Herald & Wk. Star 84(18):7,14. Apr.30,1953. 7 F21
In Canada.

61432 RIERA, F. J. Los patrones clonales en fruticultura; catálogo provisional de fenotipos en estudio. Esc. de Peritos Agr. y de Especialidades Agropecuarias y Serv. Téc. de Agr. An. 11:73-88. 1952. 105.6 B233

61433 TUKEY, L. D. Practical pruning. III. Fruit trees. Org. Gard. 21(5):26-27,54,56-57. May 1953. 56.8 Or3

61434 TUSCHHOFF, O. Jeder obstbauer sollte das wissen. Obstbauversring. des Alten Landes. Mitt. 8:66-67. Mar.1953. 85 J76

61435 VANICEK, K. H. Obstbau in der landwirtschaftlichen produktionsgenossenschaft. II. Deut. Landwirt. 4:144-148. Mar.1953. 18 D4822
Cultural methods in the Russian zone.

61436 VENKATARATNAM, L. Breeding of horticultural crops with special reference to perennial fruit crops. Indian J. Hort. 10:26-31. Ref. Mar.1953. 80 In2

61437 VRIEND, R. Fruit culture in New Zealand. (In Dutch.) Fruitteelt 43:333-335. Apr.18,1953. 86 N28

61438 WALLACE, T. Research in fruit growing. Times Agr. Rev. 4:4. Spring 1953. 10 T48

61439 WEIR, T. S. Grafting fruit trees. Minn. U. Agr. Ext. B. 273,15 p. Apr.1953. 275.29 M66S

61440 ZANDER, R. Mit oder ohne "x?" Obstbau 75: 74,77. Mar.1,1953. 80 Ob73
Names for hybrids.

61441 ZELLER, O. Ökologische obstsortengruppen und ihre bedeutung für eine standortsgemässe planung im obstbau. II. Obstbau 75:75-77. Mar.1,1953. 80 Ob73

61442 ZWINTZSCHER, M. Reserven für unsere frühobstgebiete. Hess. Obstbau 8:35-36. Mar.1953. 80 G1932
Varieties.

Fruits--Citrus and Subtropical

61443 CEDERMAN, J. A. Fruit growing at Kerikeri. New Zeal J. Agr. 86:147,149,151,153-154. Feb.16,1953. 23 N48J
Chiefly citrus.

61444 CHEYNE, O. B. M. The replanting scheme. Ceylon Coconut Q. 3:123-126. July/Sept.1952. 77.8 C33

61445 CONGDON, N. B. Citrus and sub-tropical fruits for the home garden. New Zeal. J. Agr. 86:225, 227,229,231,233-234. Mar.16,1953. 23 N48J

61446 DAVEY, J. B. The Meyer lemon. Queensland Fruit & Veg. News 3:402-403. Mar.26,1953. 280.38 Q3

61447 FLETCHER, W. A. Lemon orchard practice in relation to packing house costs and fruit wastage. New Zeal. J. Agr. 86:129,131-132. Feb.16,1953. 23 N48J
Includes cultural methods, harvesting and a general spray program.

61448 FREYRE, R. H. La guayaba, fruta de gran valor alimenticio y de facil cultivo. Rev. Nac. de Agr. 47(576):19-20. Apr.1953. 9.4 R32

61449 GONZALEZ, L. G., and ANOOS, Q. A. The growth behavior of mangosteen and its graft-affinity with some relatives. Philippine Agr. 35:379-386. Dec. 1951,pub.Dec.1952. 25 P542

61450 GOPALAN, K. Coconut cultivation in West Bengal. Indian Farming (n.s.)11(12):20-23. Mar.1953. 22 In283

61451 HARTMANN, H. T., and HOFFMAN, R. M. Olive fruiting behavior; soil moisture studied for possible effect on fruitfulness. Sacramento Val. Rancher 7(4):7,33, 35-36. Apr.1953. 6 Sa12
In California.

61452 HEIM DE BALSAC, G. Le cocotier aux Antilles Oléagineux 8:208. Apr.1953. 77.8 OL2

61453 HUGHES, T. J. Hedging proven as economic factor in old groves. Fla. Grower 61(5):15,27. May 1953. 80 F6622
Cutting back of excess growth leads to larger fruit yield of citrus.

61454 JOHNSTON, J. C. Citrus growing in California. Calif. Agr. Expt. Sta. C. 426,43 p. Ref. Apr.1953. 100 C12S
Supersedes Circular 114.

61455 JULIEN, J. H. Notes on the cultivation and propagation of the avocado pear in Mauritius. Rev. Agr. de l'Ile Maurice 32:25-27. Jan./Feb.1953. 24 M44

61456 KRÄUSEL, R. Frankfurter feigen. Nat. u Volk 83:80-86. Mar.1,1953. 509 F856

61457 LUNA ERCILLA, C. A. Polinización artificial en datilera. Mensajero Agr. 79:16-17. Jan.1953. 9.8 M52

61458 LYNN, H. A. Looking ahead in citrus. Calif. Citrog. 38:230,246. May 1953. 80 C125

61459 MALLIK, P. C., and DE, B. N. Manures and manuring of the mango and the economics of mango culture. Indian J. Agr. Sci. 22:151-166. June 1952. 22 Ag83I

61460 MARTINEZ, V. Producción y comercio del banano en Colombia. Rev. Nac. de Agr. 47(574):28-30. Feb.1953. 9.4 R32

61461 MENON, O. R. Pineapple cultivation in coconut gardens. Indian Cent. Coconut Comt. B. 6:149-150. Mar.1953. 77.9 In292

61462 MICHELI, A. Experiences and problems of olive culture in Cyrenaica. (In Italian.) Riv. di Agr. Subtrop. e Trop. 47:66-75. Jan./Mar.1953. 26 Ag82
English summary.

61463 NOURY, C. Au sujet de la plantation du bananier. Jard. du Maroc 38:33-34. First Q.1953. 87 So1

61464 PEAVY, B. Avocados deluxe. Org. Farmer 4(10):24-27,45-47. May 1953. 57.8 Or32

61465 POLANIA TRUJILLO, H. Germinación del polén de cacao, crecimiento del tubo polinico y cuajamiento. Acta Agron. [Palmira] 3:9-39. Ref. Jan.1953. 9.4 Ac8

61466 RODRIGO, R. B., RAJAPAKSE, G., and JAYASOORIYA, D. C. Some problems of under-planting. Ceylon Coconut Q. 3:127-131. July/Sept.1952. 77.8 C33

61467 RUTHERFORD, D. M. Orcharding in San Diego County. Calif. Citrog. 38:231,248-250. May 1953. 80 C125
Citrus and avocados.

61468 SALGADO, M. L. M. Night fires on coconut estates. Ceylon Coconut Q. 3:155. July/Sept.1952. 77.8 C33
Unnecessary destruction of valuable organic matter.

61469 SINGH, R. N. Prospects of papaya (Carica papaya L.) breeding in India. Indian J. Hort. 10:32-36. Ref. Mar.1953. 80 In2

61470 SPIEGEL, P. Flowering and fertilization of the olive tree. (In Hebrew.) Hassadeh 33:298-300. Feb./Mar.1953. 26 H27

61471 TILTON, D. G. The papaya is queen. 2. Green Thumb [St. Petersburg] 3(5):16,18. May 1953. 80 G822
Culture.

61472 VENKATANARAYANA, G. Methods to be adopted to maximise production and development of improved strains and plant materials—coconut and oilseeds. Madras Agr. J. 40:82-84. Mar.1953. 22 M262

61473 WINSLOW, M. M. Avocado notes from Riverside. Citrus Leaves 33(5):22. May 1953. 80 C492

Fruits--Deciduous

61474 BAILEY, J. S. Peaches as a cash crop. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:118-122. 1952. 81 M384

61475 BATJER, L. P. Maximum production quality fruit. East. Fruit Grower 16(2):10,14,16. (Cont.) Apr. 1953. 80 Ea73
Apples.

61476 BAUDEWIJN, J. Condition and evolution of low crowned fruit trees. (In Flemish.) Tuinbouwberichten 17:54-55. (Cont.) Apr.15,1953. 80 T817

61477 BERTHAULT, P. Le pommier Llorca. Rev. Agr. de l'Afrique du Nord 51:377-378. Apr.10,1953. 80 R326

61478 BLOM, A. A shape of peach trees seldom found. (In Dutch.) Groenten en Fruit 8:851. Apr.30,1953. 80 G89

61479 BOBB, A. C. Pruning for quality. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:25-30. 1953. 81 M384
Apples.

61480 CARLONE, R. "Runsé" apples. (In Italian.) Italia Agr. 90:206-216. Mar.1953. 16 It1

61481 CHANDLER, J. The Institute in 1951. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:65-69. 1952. 81 M384
National Apple Institute.

61482 CHINOY, J. J. Grafting as an aid to breeding of fruit trees. Indian J. Hort. 10:37-40. Ref. Mar.1953. 80 In2

61483 DAVIS, J., and MARSHALL, A. Give them branch room. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:31-33. 1953. 81 M384
Apples.

61484 DEBOR, H. W. Die umstellung vernachlässigter baumkronen. Hess. Obstbau 8:19-20. Feb.1953. 80 G1932

61485 DEKKER, P. Sweden as a fruit growing country. (In Dutch.) Groenten en Fruit 8:769-770. Apr. 9,1953. 80 G89

61486 FAELLESUDVALGET FOR FRUGTAVLS-ØKONOMI. Preliminary report by the Joint Committee of the Fruit Industry on recent apple varieties. (In Danish.) Erhvervsfrugtavleren 19:197-200. May 1,1953. 80 Er3

61487 FARLEY, A. J. Some tips on chemical thinning. N. J. Farm & Gard. 24(5):28-29. May 1953. 6 G162
Apples.

61488 GERLACH. Die befruchtung unserer obstgehölze. Obstbauberatungsring. Mittbl. 8(2):4-6. Apr.1, 1953. 85 Ob72

61489 GOULART, C. Varieties of quince. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:221-230. Sept. 1952. 9.2 R325

61490 HAAS, DE. Zur "Bundessortenliste für äpfel." Obstbauberatungsring. Mittbl. 8(2):7. (Concl.) Apr.1, 1953. 85 Ob72

61491 HILKENBÄUMER, F. Das verhalten von kernobst- und pflaumenunterlagen unter verschiedenen standortverhältnissen während der zeit des ertragsanstieges. Z. f. Pflanzenzücht. 32:79-106. Feb.1953. 450 Z36

61492 HUBBARD, E. S. Evolution in McIntosh culture. New Eng. Homestead 126(10):10-11. May 23, 1953. 6 N442

61493 KRUFT, F. Das "nicolieren," ein verfahren zur überwindung der unverträglichkeit zwischen birnenedelsorten und der quitte (Cydonia). Hess. Obstbau 8:72. May 1953. 80 G1932
Peter Nicolin system.

61494 LILLELAND, O., and BROWN, D. S. Problems in fruit set. Amer. Fruit Grower 73(5):28C-28D. May 1953. 80 G85
California.

61495 LINT, P. DE. Fruit culture on basin soils. (In Dutch.) Betuws Tuinbouwbl. 11(4):4-5. Apr.18,1953. 80 B464

61496 LÖHDEN, A. Der obstbaumbestand im engeren beratungsgebiet des Obstbauversuchsringes Jork und seine entwicklung seit der vorkriegszeit. Obstbauversring. des Alten Landes. Mitt. 8:54-55. Mar.1953. 85 J76

61497 LUCKWILL, L. C. How NAA thins apples. Amer. Fruit Grower 73(5):14,50. May 1953. 80 G85
Naphthaleneacetic acid.

61498 MANARESI, A., and others. Studies of apple pollination by the spur-unit method. (In Italian.) Riv. di Frutticolt. 15:77-105. Ref. Apr.1953. 80 R52
English summary.

61499 MARLE, G. S. VAN. Thinning. (In Dutch.) Fruitteelt 43:398-400. May 9,1953. 86 N28
Fruit.

61500 MAZZINI, C. Green pruning of the peach. (In Italian.) Agr. Ferrarese 56:112-114. May 31,1952. 16 Ag87

61501 NAIK, K. C. Plant breeding in relation to tree fruits. Indian J. Hort. 10:23-25. Mar.1953. 80 In2

61502 ØHLERS, H. Fruit thinning. (In Danish.) Erhvervsfrugtavleren 19:208-209. May 1,1953. 80 Er3

61503 REINECKE, V. Budding deciduous fruit trees and stocks. Farming So. Africa 28:53-54. Feb.1953. 24 So842

61504 SCHWARZ, G. Denkt rechtzeitig an den sommerschnitt der pfirsichbäume. Hess. Obstbau 8:70-71. May 1953. 80 G1932

61505 SHIBUKAWA, J., and others. Studies on the apple sod culture. II. Survey of the sod apple orchards. (In Japanese.) Hort. Soc. Japan. J. 21:225-235. Ref. Mar.1953. 87 H78
S. Hosogai, M. Soma, and T. Eto, joint authors.
English summary.

61506 SOUTHWICK, F. W. Hormones for thinning and drop control. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:75-87. 1952. 81 M384
Apples.
Includes discussion.

61507 SOUTHWICK, F. W. The importance of pollination and thinning in a heavy bloom year. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:40-48. 1953. 81 M384
Apples.
Includes discussion.

61508 TESKEY, B. J. E. Now is the time to plant your dwarfs. Farmer's Mag. 50(4):29,35,42-43. Apr. 1953. 7 C165
Apples and pears.

61509 THIES, W. H. Pruning to improve market quality. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58: 95-97. 1952. 81 M384

61510 TURNBULL, J. Treat them like Cox for quality plus. Grower [London] 39:786-787. Apr.18,1953. 286.83 M34

61511 U. S. PATENT OFF. Plant patent 1184. Eller, W. H. Pear tree. 2 p.,1 pl. May 12,1953. 158.65 P69

61512 VERHOEK, H. Top grafting of fruit trees. (In Dutch.) Betuws Tuinbouwbl. 11(3):4-5. Apr.4,1953. 80 B464

61513 WEEKS, W. D. What's new in apple varieties. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:87-90. 1952. 81 M384

61514 WHITE, D. L. Growing, harvesting and marketing peaches in South Carolina. N. J. State Hort. Soc. Hort. News 34:2642-2643,2649,2652. Apr.1953. 81 N46

61515 WOODHEAD, C. E. Pollination of pear varieties. Orchardist 26(2):15. Mar.1953. 80 Or19

Fruits--Small

61516 AUDIBERT, M. Le Couderc Rouge 7.120 cépage "omnibus" en Provence. Viticult. Nouvelle 6(61):21-22. May 1953. 390.8 V832

61517 BADELL ROIG, L. Vides europeas; contribución al estudio de las sinonimias. Esc. de Peritos Agr. y de Especialidades Agropecuarias y Serv. Téc. de Agr. An. 11:89-232. 1952. 105.6 B233

61518 BELIARD, J. Champ d'études de l'écorcerie, par Ligugé (Vienne). Viticult. Nouvelle 6(61):11-13. (Cont.) May 1953. 390.8 V832

61519 BLOEMSMA, D. The strawberry Oberschlesien. (In Dutch.) Groenten en Fruit 8:787. Apr.16,1953. 80 G89

61520 CAPUCCI, C. Problems of reconstructing the vineyards of Emilia. (In Italian.) Cam. di Com. Indus. e Agr. Reggio Emilia. Rass. Econ. 7:3-6. (Cont.) Jan. 1952. 287 R26

61521 CASSIDY, M. A. Grape growing in Southern Rhodesia. Good Husb. 3(7):12. Mar.1953. 24 G59

61522 CHADBOURNE, J. Unusual method of growing strawberries. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:127-129. 1952. 81 M384

61523 CHRISTOPHER, E. P., and SHURTLEFF, M. C. Highbush blueberry culture. R. I. State Col. Ext. B. 143, 17 p. May 1952. 275.29 R34

61524 DARROW, G. M. New blueberry varieties. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:96-97. 1953. 81 M384

61525 DARROW, G. M., SCOTT, D. H., and GALLETTA, G. J. New blueberry varieties for New Jersey. N. J. Agr. Expt. Sta. B. 767,8 p. Dec.1952. 100 N46S

61526 DAVIDS, R. C. Everbearers make news. Farm J. 77(6):38-39. June 1953. 6 F2212
Strawberries.

61527 DEKKER, P. Strawberry culture. (In Flemish.) Cult. en Handel 19:254-258. May 1953. 80 C892

61528 DU PLESSIS, S. J. Viticulture in the Union of South Africa. Wine & Spirit 22(4):13-14. Apr.1953. 390.8 W725

61529 FLEMING, H. K. 1952 strawberry variety trials in Erie County, Pennsylvania. Pa. Agr. Expt. Sta. Prog. Rpt. 95,4 p. Mar.1953. 100 P381P

61530 FRENCH, A. P. Behavior of strawberry varieties in 1952. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:104-106. 1953. 81 M384

61531 FRENCH, A. P. Strawberry variety trials for 1950 and 1951. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:129-132. 1952. 81 M384

61532 GAROIAN, L. Preventing frost damage to strawberries in bloom. West. Fruit Grower 7(4):25-26. Apr.1953. 95.8 G762

61533 HOLC, F. Concerning development and restoration of vineyards. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 5:51-52. Feb.1953. 21.5 Sa1
Yugoslavia.

61534 HOWARD, F. K. High strawberry yields in southern San Joaquin. West. Fruit Grower 7(4):31. Apr. 1953. 95.8 G762
California.

61535 JOHNSTON, R. E. Commercial soft fruit growing in East Scotland. Scot. Agr. 32:216-219. Spring 1953. 10 Sco82So
Chiefly raspberries and strawberries.

61536 KAPIDŽIĆ, H. The mulberry and olive culture in Hercegovina in the first half of the nineteenth century. (In Serbo-Croatian.) Narod. Šumar 6:310-314. Nov./Dec. 1952. 99.8 N16

61537 KRONENBERG, H. G. Verdelingswerk met aardbeien op het Instituut voor de Veredeling van Tuinbouwgewassen. Breeding work on strawberries at the Institute of Horticultural Plant Breeding at Wageningen. Inst. v. de Veredeling van Tuinbouwgewassen. Meded. 39: 522-535. Oct.1952. 86 W12
English summary.

61538 LEYVRAZ, H. Viticulture. Agenda de l'Agr. et du Vigneron 1953:271-280. 30.3 Ag33

61539 LUNGO, A. DEL. From hand to chemical thinning of table grapes. (In Italian.) Terra e Sole 128: 143. Apr.1953. 16 T273

61540 LUQUE, J. A. Viña y olivos, sistema consociado de cultivo que se extiende en Cuyo. Chacra 23(269): 42-43. Apr.1953. 9 C34

61541 MAINE. AGRICULTURAL EXPERIMENT STATION. Blueberry tax progress report, research and extension work. Maine. Agr. Expt. Sta. Misc. P. 622,16 p. Mar.1953. 100 M28S

61542 MARAIS, J. S. Grape culture and wine manufacture problems. (In Afrikaans.) Wynboer 22(259):19. Apr.1953. 390.8 W724

61543 MARIMAN, G. Viticulture septentrionale en plein air. Cour. Hort. 15:157-159. (Cont.) Mar.1953. 80 C834

61544 MARIMAN, G. Viticulture septentrionale en plein air. Cour. Hort. 15:208-212. (Cont.) Apr.1953. 80 C834

61545 MARKUS, R. Grape culture in the United States. (In Portuguese.) Lav. e Criação 7(44):51-52. Nov.1952. 49 L392

61546 NILSSON, F. Some observations on strawberry culture. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 2:36-39. 1953. 86 Sv2F

61547 NOVAK, J. What defects ought to be eliminated in viticulture. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 5:47-49. Feb.1953. 21.5 Sa1
Yugoslavia.

61548 OFF. INTERNATIONAL DU VIN. XXXIIe session officielle plénière du comité de l'O.I.V. (Fribourg, 19-23 août 1952) [rapports et exposés]. Off. Internatl. du Vin. B. 26(265):37-44. (Cont.) Mar.1953. 390.8 B87
Grape propagation and selection.

61549 OLMO, H. P. Wine grape varieties of the future. Amer. Soc. Enol. Proc. 3:45-51. 1952. 390.9 Am33

61550 PRIEUR, B. Entretien de la framboisière. Rev. d'Oka 27:44-50. (Cont.) Mar./Apr.1953. 7 Ok1

61551 RICHARDSON, A. M. Inducing early maturity in grapes. Queensland Fruit & Veg. News 3:206. Feb.12, 1953. 280.38 Q3

61552 RIVEROS, J. E. Hibridos "berlandieri rupestris." Vinos, Vinās y Frutas 48:391-392. Mar.1953. 9 Ag89

61553 ROMANINI, A. Viticulture — specialized or general? (In Italian.) Avvenire Agr. 61:91. Apr.1953. 16 Av9

61554 ROSE, F. J. The management of vines. Gard. Illus. 70:125. May 1953. 80 G169
Grape culture.

61555 SCHWEIGART, E. M., and KIRSTEN, G. O. Success in the grafting of grape cuttings. (In Afrikaans.) Wynboer 22(259):10-11. Apr.1953. 390.8 W724

61556 SMEDT, A. DE. Blossoming in the grape greenhouses. (In Flemish.) Tuinbouwberichten 17:58. Apr.15,1953. 80 T817

61557 STAALDUINE, D. VAN. Golden Champion in cold greenhouses? (In Dutch.) Groenten en Fruit 8:767. Apr.9,1953. 80 G89
Grape variety.

61558 STANCEVIĆ, A. S. Raspberry is a very profitable culture. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):15-17. Mar.1953. 21.5 V87

61559 THIES, W. H. Cooperative strawberry variety tests. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58: 132-133. 1952. 81 M384

61560 THORNBLAD, R. Old strawberry with new name. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 2:45-46. 1953. 86 Sv2F

61561 TOMLINSON, B. Practices and problems of Cape Cod strawberry growers. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:133-134. 1952. 81 M384

61562 U. S. PATENT OFF. Plant patent 1181. Drew, H. E. Blueberry plant. 2 p.,1 col.pl. Apr.21.1953. 156.65 P69

61563 U. S. PATENT OFF. Plant patent 1183. Keplinger, F. J. Strawberry plant. 2 p.,1 col.pl. May 5,1953. 156.65 P69

61564 VAARAMA, A. Strawberries considered from the standpoint of the plant breeder. (In Finnish.) Puutarha 1:20-21. Jan.1953. 80 P99
Swedish summary, p. 48.

61565 VIDAL-BARRAQUER MARFA, J. M. Los portainjertos en el viñedo. Esc. de Peritos Agr. y de Especialidades Agropecuarias y Serv. Téc. de Agr. An. 11:3-72. 1952. 105.6 B233

61566 WALLACE, R. H. A continuous production culture for strawberries in Connecticut. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:92-95. 1953. 81 M384

61567 WEBB, A. D. Opportunities for study in viticulture and enology. Wines & Vines 34(5):24-25. May 1953. 95.8 C122

61568 WELLINGTON, R. New grapes for Northeast vineyards. Rur. New-Yorker 103:286,288. Apr.18,1953. 6 R88

61569 YERÓN CHACÓN, P. Pretérito, presente y futuro de la pasa de Málaga. Agricultura [Madrid] 22: 122-129. Mar.1953. 15 Ag84

Nuts

61570 BUSH, C. D. Nut grower's handbook; a practical guide to the successful propagation, planting, cultivation, harvesting and marketing of nuts. Rev. ed. New York,Orange Judd,1953. 199 p. 94.6 B96

61571 GRIGGS, W. H., VANSELL, G. H., and IWAKIRI, B. T. The use of beehive pollen dispensers in the pollination of almonds and sweet cherries. Amer. Soc. Hort. Sci. Proc. 60:146-150. Dec.1952. 81 So12

61572 PEASE, R. W. Nut tree orchards. W. Va. Agr. Expt. Sta. B. 357(3):7. Mar.1953. 100 W52

61573 THEISS, L. E. Double purpose trees. Org. Gard. 21(5):16-17,52-53. May 1953. 56.8 Or3
Nuts.

Shade Trees and Ornamental Plants

61574 ADAMS, B. The Cornell rock garden. Cornell Plantations 9:44-46. Spring 1953. 409.6 C812

61575 AMUNDSON, P., and BAYLIS, D. What a hedge can do for you. Better Homes & Gard. 31(5):148-152,154. May 1953. 80 F9424

61576 ANDERSON, S. Japanese Iris. Flower Grower 40(6):43,80. June 1953. 80 M72

61577 ANTONELLI, P. How to grow Gloxinias. Gloxinian 2(5):2-4. Mar./Apr.1953. 96.06 G51

61578 ARNOLD, R. E. Odontoglossum cirrhosum. Orchid Rev. 61:78-80. May 1953. 80 Or15

61579 ASHBERRY, A. Miniature roses. Rose 1:167-169. Spring 1953. 96.1 R725

61580 BANKER, H. J. Builder, spare that tree! Trees [Cleveland] 13(3):9,18,23. Mar./Apr.1953. 99.8 W52

61581 BARNES, B. Naming British wild flowers. Discovery 14:131. Apr.1953. 472 D63

61582 BASTELEUS, R. Quelques vieilles plantes qui font la joie des petits amateurs. Cour. Hort. 15:190-195. Apr.1953. 80 C834

61583 BASTELEUS, R. Les Sansevières à la conquête des appartements. Cour. Hort. 15:142-146. Mar. 1953. 80 C834

61584 BEAR, F. E. Making plants grow better. Gard. J. 3:81-82,92. May/June 1953. 80 G1635

61585 BECHTEL, E. DE T. A rose quest abroad. Gard. Club Amer. B. 41(3):27-31. May 1953. 90.32 G16
Great Britain and France.

61586 BIRDSALL, L. B. New fashions in flowers; new techniques in hybridizing are bringing out new ruffles and colors in garden posies. Family Herald & Wk. Star 84(12):5. Mar.19,1953. 7 F21

61587 BLACK, F. Rhododendron highlights. Gard. Club Amer. B. 41(3):40-43. May 1953. 90.32 G16

61588 BLACKBURN, B. Doublefile Viburnum. Pop. Gard. [Albany] 4(5):48-49,87. May 1953. 80 P812

61589 BOARDER, A. Cactus cultural notes. Cactus & Succulent J. Gt. Brit. 15:26-27. Apr.1953. 450 C113

61590 BORNAS, G., and PEREZ CALVET, R. El jardín, tarea agrónomica. Asoc. Nac. de Ingen. Agron. B. 3(36):6-9. Mar.1953. 58.9 As5
Spain.

61591 BOWERS, C. G. Toward hardiness in Rhododendrons. Gard. J. 3:83-85,90. May/June 1953. 80 G1635

61592 BOWERS, W. E. Rhododendron ovatum. Amer. Rhododendron Soc. Q. B. 7:100-101. Apr.15,1953. 81 Am398

61593 BRANDT, C. R. Blooming periods for Azaleas. Annu. Calif. Spring Gard. Show 21:22-23. 1953. 80 C1282

61594 BRYDON, P. H. New Rhododendrons and Azaleas. Annu. Calif. Spring Gard. Show 21:17,60-61. 1953. 80 C1282

61595 BURKE, E. Roses from cuttings. Flower Grower 40(6):68. June 1953. 80 M72

61596 BUTTERFIELD, H. M. The flowering season for Azaleas. Annu. Calif. Spring Gard. Show 21:18,70-71. 1953. 80 C1282

61597 CANADA. DEPT. OF AGRICULTURE. Herbaceous perennials for Canadian gardens. Canada Dept. Agr. P. 784,89 p. Dec.1952. 7 C16Pu
Revised by R. W. Oliver.

61598 CARMACK, W. C. Trees and shrubs for association with Azaleas. Annu. Calif. Spring Gard. Show 21: 9,58-59. 1953. 80 C1282

61599 CARRA, P. Culture du glaieul. Rev. Hort. de l'Algérie 57:83-95. Mar.1953. 87 R32

61600 CARRA, P. Le Gerbera. Rev. Hort. de l'Algérie 57:77-82. Mar.1953. 87 R32

61601 CASAMAJOR, R. Observations on Cypripedium culture. Orchid Digest 17:73-76. Mar./Apr.1953. 80 Or172

61602 CASSEBEER, F. W. Iris in the spring picture. Home Gard. 21(5):11-14. May 1953. 80 H756

61603 CASSEBEER, F. W. Siberian Iris. Flower Grower 40(6):42,78. June 1953. 80 M72

61604 CASTRO, M. M. DE. Jardineria decorativa: espárragos y Begonias. Almanaque Creditario 10:125-126. 1953. 9.4 AL6
Colombia.

61605 CHADWICK, L. C. Trees and shrubs for special uses. Plants & Gard. (n.s.)9:44-47. Spring 1953. 450 P694

61606 CHAMPNEYS, H. Royal roses. Rose 1:170-173. Spring 1953. 96.1 R725

61607 CHAPELLE, C. Successions florales dans les domaines publics et privés. III. La culture des Cinéraires hybrides. B. Hort. (n.s.)8:136-139. May 1,1953. 80 B873
Belgium.

61608 CHEVALIER, C. Les Marantacées. B. Hort. (n.s.)8:114-117. Apr.1,1953. 80 B873

61609 CHIDAMIAN, C. The Camellia, the plant no one knows. Pacific Coast Nurseryman 12(5):15-16,36-37. May 1953. 80 P116

61610 CLARKE, J. H. The naming and registering of new varieties. Amer. Rhododendron Soc. Q. B. 7:103-104. Apr.15,1953. 81 Am398

61611 CORNMAN, J. F. Cornell lawn seed recommendations—their basis. N. Y. State Turf Assoc. B. 45:171-173. May 1953. 60.19 N42

61612 CORREVON, A. Sur des tombeaux. B. Hort. (n.s.)8:111-113. Apr.1,1953. 80 B873

61613 CRAWFORD, C. G. Recent activity with hardy primroses. Gard. J. 3:76-77,80. May/June 1953. 80 G1635

61614 CRENSHAW, J. L. Yes, you can grow peonies in the South. Home Gard. 21(5):55-56. May 1953. 80 H756

61615 CORLISS, P. G. Summer spotlight on Geraniums. Flower Grower 40(6):48-49,73. June 1953. 80 M72

61616 CUNLIFF, K. M. Trees for tomorrow. Trees So. Africa 4(4):3,19. Jan./Mar.1953. 99.8 T716
Ornamental trees.

61617 CURTIS, R. W. Plants for birds and gardeners. IX. More shrubs. Cornell Plantations 9:35-38. Spring 1953. 409.6 C812

61618 CURWOOD, J. E. The why and wherefore of stopping. Com. Grower 2990:818-819. Apr.16,1953. 80 F941
Chrysanthemum culture.

61619 DANIEL, W. H. Turf problems on stabilized shoulders. Ohio. State U. Short Course Roadside Devlpmt. 11:14-16. 1952. 288.9 Oh3

61620 DANNER, C. Bentgrass greens for the South. USGA J. & Turf Mangt. 6:28-31. Apr.1953. 60.18 Un32

61621 DAVIS, C. W. Louisiana Iris. Flower Grower 40(6):45,86. June 1953. 80 M72

61622 DECKER, A. H. Pollen bank would be benefit to many gesneriad lovers. Gloxinian 2(5):26. Mar./Apr. 1953. 96.06 G51

61623 DENTON, W. Cultivation of succulents. Cactus & Succulent J. Gt. Brit. 15:28-29. Apr.1953. 450 C113

61624 DOAK, K. D. The fertilization and culture of Rosa multiflora in northern Indiana. Better Crops Plant Food 37(4):19-24,44. Apr.1953. 6 B46

61625 DOUGLAS, G. Modern American daylilies. Roy. Hort. Soc. J. 78:171-177. May 1953. 84 L84J

61626 DOUMONT, L. Baby roses. B. Hort. (n.s.)8: 147. May 1,1953. 80 B873

61627 DOUTT, R. L. Iris longipetala, the Coast Iris. Calif. Hort. Soc. J. 14:64-65. Apr.1953. 81 C1293

61628 DRESSEL, K. Trees—their place and part in the complete highway. Ohio. State U. Short Course Roadside Devlpmt. 11:85-91. 1952. 288.9 Oh3

61629 DRUMMOND, M. H. Styling corsages with garden flowers. New York,Macmillan,1953. 247 p. 96.03 D84

61630 DULKEN, J. VON. Mammillaria's. (In Dutch.) Succulenta 3:45-47. May/June 1953. 450 Su12

61631 DUNN, D. Y. My favorite peonies. Amer. Peony Soc. B. 128:21-23. Mar.1953. 81 Am38B

61632 ECKERT, E. C. The cultural development of roadside trees. Ohio. State U. Short Course Roadside Devlpmt. 11:92-99. 1952. 288.9 Oh3

61633 EDLAND, B. Classification. Rose 1:208-210. Spring 1953. 96.1 R725

61634 ELLISON, E. How to get the most from your Asters. Home Gard. 21(5):49-50. May 1953. 80 H756

61635 EMSWELLER, S. L., MCCLELLAN, W. D., and SMITH, F. F. Roses for the home. U. S. D. A. Home & Gard. B. 25,38 p. May 1953. 1 Ag84Hg
Revision of and supersedes Farmers' Bulletin 750 of the same title, by F. L. Mulford.

61636 ENCKE, F. Pflanzen für zimmer und balkon; auswahl,pflege und vermehrung. Stuttgart,Ulmer,1952. 102 p. 96.06 En1

61637 ENGEL, R. E., and AHLGREN, G. H. Making a new lawn. N. J. Agr. Expt. Sta. C. 553,4 p. Apr.1953. 100 N46S

61638 FAIRCHILD, L. M. The complete book of the Gladiolus. New York,Farrar,Straus & Young,1953. 243 p. 96.43 F16

61639 FANCIER, A. Cacti. II. (In Dutch.) Succulenta 3:33-38. May/June 1953. 450 Su12

61640 FERGUSON, B. L. Choose your plants wisely. La. Agr. Col. Ext. P. 1124,16 p. Sept.1952. 275.29 L93Ep

61641 FERGUSON, B. L. Plan your planting. La. Agr. Col. Ext. P. 1123,26 p. Sept.1952. 275.29 L93Ep

61642 FERGUSON, B. L. Take care of your plants. La. Agr. Col. Ext. P. 1126,14 p. Sept.1952. 275.29 L93Ep

61643 FLEISHER, H. The gardens of the Pedregal; contemporary design in a land subdivision in Mexico. Landscape Architect. 43:49-53. Jan.1953. 80 L23

61644 FLETCHER, H. R. Primula aureata in Nepal. Roy. Hort. Soc. J. 78:177-178. May 1953. 84 L84J

61645 FOLLET, D. Which variety to buy. 2. Gloxinian 2(5):18-19. Mar./Apr.1953. 96.06 G51
Saintpaulia.

61646 FREDERICK, C. M. Aril Iris. Flower Grower 40(6):44,77. June 1953. 80 M72

61647 GALLE, F. C. Plants for the South. I. Amer. Nurseryman 97(9):7,74-82. May 1,1953. 80 Am371

61648 GALLE, F. C. Plants for the South. II. Amer. Nurseryman 97(10):15,62-74. May 15,1953. 80 Am371

61649 GAMBLE, J. A. Climbing sports of hybrid tea roses. Gard. J. 3:69-70. May/June 1953. 80 G1635

61650 GANNON, R. Flowers for summer and winter. Horticulture 31:211,228,236. May 1953. 80 H787

61651 GARMATZ, K. Blumenbinderri und grün-schmuck; handbuch für blumenbinder und gartner. Ed. 2. Giessen,Pfanneberg,1952. 291 p. 96.03 G18

61652 GERLACH, M. E. Hybridizing daylilies. Flower Grower 40(6):67-68. June 1953. 80 M72

61653 GORMAN, MRS. W. S. Landscape with roses. Amer. Rose Mag. 11(5):10-14. May 1953. 80 Am327A

61654 GRAU, F. V., and RADKO, A. M. A near perfect turf for all-season service. Crops & Soils 5(8):16-17. June/July 1953. 6 W55
Zoysia and Merion bluegrass.

61655 GRAU, F. V. Warm season grasses. Golfdom 27(4):92,94,96-98. Apr.1953. 60.18 G58

61656 GRAVES, G. H. My favorite exhibition peonies. Amer. Peony Soc. B. 128:11-12. Mar.1953. 81 Am38B

61657 GREEN, G. G. Succulents. Cactus & Succulent J. Gt. Brit. 15:34,39. Apr.1953. 450 C113
Culture.

61658 GREIG, M. More notes on Rhododendron species at Royston. Amer. Rhododendron Soc. Q. B. 7:83-85. Apr.15,1953. 81 Am398

61659 GRUNERT, C. Leitfaden für die staudengärtnerei: staudenbetrieb und staudenkultur. Ed. 3, rev. Berlin,Parey,1952. 144 p. 97.4 G92

61660 HAHN, E. Schnittblumen die der markt verlangt; ihre vermehrung, anzucht und kultur. Ed. 2,rev. Gärt. Berufspraxis 16,110 p. 1952. 80 G1945

61661 HAMBROOK, E. C. My method of growing tuberous Begonias and other. Begonian 20:103. May 1953. 96.511 B39

61662 HARBERS, G. Der wohngarten, seine raum- und bau-elemente. Ed. 3, rev. München,Callwey,1952. 159 p. Ref. 97 H212

61663 HARDING, W. A. Royalty among the Begonias. Horticulture 31:210,233. May 1953. 80 H787

61664 HASKELL, R. J. Gardening goals and program for 1953; emphasis placed on ornamentals. 2. Seed Trade News 60(18):5. May 6,1953. 61.8 Se3

61665 HASTINGS, W. R. The All-American annuals. Plants & Gard. (n.s.)9:11-14. Spring 1953. 450 P694

61666 HASTINGS, W. R. All-America rose test gardens. Gard. J. 3:71-73. May/June 1953. 80 G1635

61667 HAWORTH-BOOTH, M. Evergreen Azaleas. Country Life [London] 113:1414-1415. May 7,1953. 80 C83

61668 HAWORTH-BOOTH, M. Plants with attractive foliage. Country Life [London] 113:1164-1165. Apr.16, 1953. 80 C83

61669 HELLER, C. G. A "Rhododendron bank" for rock seedlings. Amer. Rhododendron Soc. Q. B. 7:105. Apr.15,1953. 81 Am398

61670 HELLYER, A. G. L. Form and colour in Gladioli. Country Life [London] 113:1330-1331. Apr.30, 1953. 80 C83

61671 HELLYER, A. G. L. The spell of the rock garden. Country Life Annu.,Christmas 1952:111-112,114. 80 C835

61672 HENNY, R. One half century of Rhododendron. Amer. Rhododendron Soc. Q. B. 7:106-107. Apr.15,1953. 81 Am398
Plant growing at Brooks, Oreg.

61673 HERBST, M. Caladiums—indoors and outdoors. Horticulture 31:214,232. May 1953. 80 H787

61674 HERTRICH, W. Bromeliads in the Huntington Botanical Garden. Bromeliad Soc. B. 3:3-6. Jan./Apr. 1953. 451 B78

61675 HODGKIN, E. Daphnes. Roy. Hort. Soc. J. 78: 178-179. May 1953. 84 L84J

61676 HOPKINS, D. P. Your lawn in summer. Rose 1:205-207. Spring 1953. 96.1 R725

61677 HORNBACK, E. Breeding daffodils. Florists' Rev. 112(2894):32,123-126. May 14,1953. 80 W41

61678 HOTTES, A. C. Bulbs—mysterious balls of wonder. Plants & Gard. (n.s.)9:36-39. Spring 1953. 450 P694
Culture.

61679 HOTTES, A. C. Foresight in planting. Plants & Gard. (n.s.)9:4-7. Spring 1953. 450 P694
Ornamentals.

61680 HOTTES, A. C. Herbaceous perennials. Plants & Gard. (n.s.)9:15-19. Spring 1953. 450 P694

61681 HOTTES, A. C. House plants. Plants & Gard. (n.s.)9:28-30. Spring 1953. 450 P694
Care.

61682 HOTTES, A. C. Plans for simple annual beds and borders. Plants & Gard. (n.s.)9:8-10. Spring 1953. 450 P694
Ornamentals.

61683 HOTTES, A. C. Pruning; when and how to prune shrubs and trees. Plants & Gard. (n.s.)9:54-58. Spring 1953. 450 P694

61684 HOUGHTON, K. W. Japanese Iris from seed. Horticulture 31:222-223. May 1953. 80 H787

61685 HOWELL, W. Turf in towns. Gard. Chron. 133: 150. Apr.25,1953. 80 G162

61686 HUBBARD, F. C. Peruvian daffodils. Pop. Gard. [Albany] 4(5):38-39,90-91. May 1953. 80 P812
Hymenocallis calathina.

61687 HUDSON, R. L. The carpet of the acid soil garden. Annu. Calif. Spring Gard. Show 21:24,62-64. 1953. 80 C1282
Rhododendrons, Camellias and Azaleas.

61688 HUGHES, J. Some East African wild flowers. African World May 1953:21. 286.8 Af8
Kenya.

61689 HUNEGS, S. The miniature rose. Minn. Hort. 81:70-71. May 1953. 81 M66

61690 HUSSEY, C. The first landscape gardener, Humphry Repton, 1752-1818. Country Life Annu., Christmas 1952:44-47. 80 C835

61691 ILGENFRITZ, M. Start your collection with Cypripediums. Gard. J. 3:89-90. May/June 1953. 80 G1635

61692 INGWERSEN, W. Dwarf Rhododendrons for rock gardens. Gard. Illus. 70:123. May 1953. 80 G169

61693 IURKA, H. H. Summation of information gathered to date on stabilized turf shoulders. Ohio. State U. Short Course Roadside Devlpmt. 11:4-9. 1952. 288.9 Oh3

61694 IWAI, S., and IWAMA, S. Flower forcing of stocks (Matthiola incana R. Br.) by raising seedlings in the cool regions of high altitude. (In Japanese.) Hort. Soc. Japan. J. 21:216-224. Ref. Mar.1953. 87 H78
English summary.

61695 JARDINE, M. I. Plants for paving stones. Flower Grower 40(6):74-76. June 1953. 80 M72

61696 JELMONI, E. On the topic of living hedges. (In Italian.) Colt. e Gior. Vinic. Ital. 99:98-99. Mar.1953. 16 C72

61697 JOHNSON, A. T. A Lysichitum hybrid. Roy. Hort. Soc. J. 78:180-181. May 1953. 84 L84J

61698 JOHNSON, A. T. Mimulus x bartonianus. Roy. Hort. Soc. J. 78:181. May 1953. 84 L84J

61699 JOHNSON, F. B., and JOHNSON, J. M. Notes from a trip to Michoacan. Orchid J. 2:164-167. Apr. 1953. 80 Or174
Mexico.

61700 JORGENSEN, S. Begonia cheimantha - varieties and culture. N. J. Plant & Flower Growers Assoc. 3(2):4-5. Mar./Apr.1953. 81 N462

61701 KELLENBERGER, F. S. Philodendron for every fancy. Flower Grower 40(6):54-55. June 1953. 80 M72

61702 KELLENBERGER, F. S. Wick-fed pots. Gloxinian 2(5):17. Mar./Apr.1953. 96.06 G51

61703 KERRIGAN, H. Newer Azealeas for the Bay area. Annu. Calif. Spring Gard. Show 21:32,57,64. 1953. 80 C1282

61704 KNIGHT, E. Plant hems [Hemerocallis] for rainbow garden. Green Thumb [St. Petersburg] 3(5):9, 19. May 1953. 80 G822

61705 KNIGHT, G. B. Cross-pollinating. Green Thumb [St. Petersburg] 3(4):8-10,63. Apr.1953. 80 G822
Ornamental plants.

61706 KOZLOWSKI, T. T. How a tree grows. Trees [Cleveland] 13(3):6-7,22-23. Mar./Apr.1953. 99.8 W52

61707 KROMDIJK, G. Asplenium nidus. (In Flemish.) Cult. en Handel 19:276-277. May 1953. 80 C892

61708 KROMDIJK, G. Gesneria macrantha. Cour. Hort. 15:147-148. Mar.1953. 80 C834

61709 KROMDIJK, G. Winter stock. (In Flemish.) Cult. en Handel 19:273-274. May 1953. 80 C892

61710 KRUG, H. P. Gardens and trees in the modern city. (In Portuguese.) Lav. e Criação 7(44):33-34. Nov. 1952. 49 L392

61711 KUMLIEN, L. L. How to make the best use of evergreens. Plants & Gard. (n.s.)9:49-51. Spring 1953. 450 P694

61712 LAMSON, M. D. Planting plans. Flower Grower 40(6):47,77. June 1953. 80 M72

61713 LEACH, D. G. Budded grafts as an important contribution to Rhododendron hybridizing. Amer. Rhododendron Soc. Q. B. 7:93-94. Apr.15,1953. 81 Am398

61714 LEWIS, C. E. Tips for better landscapes. Amer. Nurseryman 97(10):14,61. May 15,1953. 80 Am371
Wall gardens.

61715 LINDE, S. H. Gardens of the Far North; design considerations peculiar to a rugged landscape. Landscape Architect. 43:57-59. Jan.1953. 80 L23
Includes Sweden.

61716 LOWRY, G. R. When should orchids be repotted? Amer. Orchid Soc. B. 22:355-360. May 1953. 80 Am329

61717 MCCOMBS, L. Our first season with roses. Flower Grower 40(6):50,64-66. June 1953. 80 M72

61718 MCPEAK, E. M. The selection of Cattleya hybrids. Natl. Capital Orchid Soc. B. 7:7-8. Mar.1953. 81 N2122

61719 MAHDI, Z., and STOUTEMYER, V. T. The Bermuda-bentgrass combination for an all-year putting green. Golf Course Rptr. 21(3):10-11. May 1953. 60.18 G83
Cynodon dactylon and Agrostis.

61720 MARTIN, M. Short history of Azaleas and Rhododendrons. Annu. Calif. Spring Gard. Show 21:66-67. 1953. 80 C1282

61721 MASON, L. M. A plantsman's garden in Norfolk. Gard. Illus. 70:126-128. May 1953. 80 G169

61722 MASTALERZ, J. W. Nitrate levels, light intensity, growing temperatures and keeping qualities of flowers held at 31° F. Chrysanthemum Soc. Amer. B. 21: 43-44. Jan.1953. 81 C46B

61723 MATTHEWS, J. W. Garden with Matthews, volume 4. Wellington,1952. 144 p. 90.1 M43

61724 MEHLISCH, K. Verlängerte keimfähigkeit von Primula obconica-samen. Saatgut-Wirt. 5:62. Mar. 1953. 61.8 Sa1

61725 MERKER, H. Keine "blindgänger" mehr im levkojenanbau. Saatgut-Wirt. 5:91-92. Apr.1953. 61.8 Sa1
Matthiola incana.

61726 MILES, E. B. A garden designed for Iris. Pop. Gard. [Albany] 4(5):33,56-59. May 1953. 80 P812

61727 MILLER, J. H. Orchid collecting in the Philippine Islands. II. Orchid J. 2:170-174. Apr.1953. 80 Or174

61728 MINTER, M. Begonia mazae. Begonian 20:101. May 1953. 96.511 B39

61729 MONACHINO, J. Wild flowers in the New York Botanical Garden. Gard. J. 3:88,90. May/June 1953. 80 G1635

61730 MOTT, R. C. Frequency of watering of Cattleya. Amer. Orchid Soc. B. 22:339-342. May 1953. 80 Am329

61731 MÜNZ, E., and SCHUPP, F. Edelnelken; ihre entwicklung, kultur und züchtung. Gärt. Berufspraxis 25,122 p. Ref. 1952. 80 G1945

61732 NAGANO, Y. History of orchid growing in Japan. Amer. Orchid Soc. B. 22:331-333. May 1953. 80 Am329

61733 NAKASONE, H. Y. Ornamental hibiscus, its propagation and culture. Hawaii. Agr. Expt. Sta. C. 37, 14 p. Mar.1953. 100 H313

61734 NEARING, G. G. How the side-sliced cutting came to be. Amer. Rhododendron Soc. Q. B. 7:95-96. Apr.15,1953. 81 Am398
Treatment of Rhododendron cuttings.

61735 NEARING, G. G. More thoughts about hybridizing. Amer. Rhododendron Soc. Q. B. 7:78-82. Apr.15, 1953. 81 Am398

61736 NEW YORK STATE CONFERENCE OF MAYORS AND OTHER MUNICIPAL OFFICIALS. BUR. OF MUNICIPAL INFORMATION. Trees; planting, trimming, removing and spraying. Albany,1952. 15 p. (New York State Conference of Mayors and Other Municipal Officials. Report 3161) 97.7 N483

61737 NICHOLLS, P. Propagation. Rose 1:194-198. Spring 1953. 96.1 R725

61738 NIKOLA, H. C. Tests and recommendations for stabilized turf shoulders. Ohio. State U. Short Course Roadside Devlpmt. 11:10-13. 1952. 288.9 Oh3

61739 NILSON, S. Looking over my lilacs. Horticulture 31:207,224. May 1953. 80 H787

61740 NILSSON, A. Sinningia—Gloxinia. (In Swedish.) Weibulls Allehanda 13:5-9. 1953. 80 W42

61741 NILSSON, A. Some new varieties from Weibullsholm. (In Swedish.) Weibulls Allehanda 13:1-3. 1953. 80 W42
Ornamentals.

61742 NOBLE, J. R. Climatic dwarf conifers. Calif. Hort. Soc. J. 14:73-80. Apr.1953. 81 C1293

61743 NORTHEN, R. T. Tips on running a small greenhouse. Amer. Orchid Soc. B. 22:345-349. May 1953. 80 Am329

61744 OHIO. UNIVERSITY. DEPT. OF LANDSCAPE ARCHITECTURE. Eleventh short course on roadside development, April 2 thru 5, 1952. Columbus,1952. 183 p. 288.9 Oh3
Ohio Department of Highways, joint author.

61745 ORNDUFF, R. Cultivation of western native orchids. I. Amer. Orchid Soc. B. 22:342-344. May 1953. 80 Am329

61746 OSORIO, L. F. Instrucciones para la conservación y cultivo de gladiolos. Soc. Antioqueña de Agr. B. Agr. 395:3901-3902. Mar.1953. 9.4 So1

61747 OWENS, H. B. Use of roses in landscape design. Ga. Rose Soc. Off. B. 18(2):1-6. Mar./Apr.1953. 96.1 G292

61748 PANNEKOEK, P. J. Plantings around sport and play grounds. (In Flemish.) Cult. en Handel 19:275-276. May 1953. 80 C892

61749 PARKER, MRS. C. O. Garden accessories. Green Thumb [Denver] 10(5):22-25. May 1953. 80 G82

61750 PARRY, J. Colorado can learn from Spain. Green Thumb [Denver] 10(5):30-33. May 1953. 80 G82
Landscape gardening.

61751 PATTERSON, U. L. Pot-plant mums—a "money" crop. Chrysanthemum Soc. Amer. B. 21:7-10. Jan.1953. 81 C46B
Culture.

61752 PHILLIPS, C. O. Azaleas as trained specimen forms. Annu. Calif. Spring Gard. Show 21:12-16. 1953. 80 C1282

61753 RAALTE, D. VAN. The family of the Commelinaceae or Tradescantia. (In Fleimish.) Cult. en Handel 19:216-217. Apr.1953. 80 C892

61754 RANDALL, H. J. My Iris border. Roy. Hort. Soc. J. 78:166-171. May 1953. 84 L84J

61755 REGAN, C. W. A rock garden in the mountains. Gard. J. 3:78-80. (Cont.) May/June 1953. 80 G1635
Montana.

61756 ROCKWELL, F. F., and FREE, M. House plants; everyday questions answered by experts. Garden City,N. Y.,Garden City Books,1953. 159 p. 96.06 R59H

61757 RONNING, A. C. Design for Dahlias. Org. Gard. 21(5):14-15,50-52. May 1953. 56.8 Or3

61758 ROSENSTINGL. Alpine zwerggärten. Gart.-Z. Illus. Flora 76:57-58. May 1953. 80 G1991

61759 ROWLEY, G. The scientific approach to succulents. 8. Cactus & Succulent J. Gt. Brit. 15:40-42. Apr. 1953. 450 C113
Culture.

61760 ROWNTREE, L. Taming the wild-marigold [Baileya multiradiata]. Home Gard. 21(5):65. May 1953. 80 H756

61761 RUDULPH, MRS. C. M. Iberis sempervirens. Gard. Club Amer. B. 41(3):56-57. May 1953. 90.32 G16

61762 SABOURIN, L. Feuillages et fruits d'automne; ornement de nos jardins et de nos demeures. Jard. de France 4:96-107. Apr.1953. 86 So13

61763 SCHAIRER, J. F. Jungle plants for the amateur collector. Orchid J. 2:168-169. Apr.1953. 80 Or174

61764 SCHAIRER, J. F. Lycastes—easy to grow and beautiful. Natl. Capital Orchid Soc. B. 7:8-9. Mar.1953. 81 N2122

61765 SCHMIDT, E. Wenn im frühling die primeln wieder blühen. Geflügelhof 16:277. May 1,1953. 47.8 G276

61766 SCHOENFELD, W. J. Color from flowers in shaded areas. Annu. Calif. Spring Gard. Show 21:72-73. 1953. 80 C1282

61767 SHEPHERD, H. W. Ericaceous woody plants for home gardens. Annu. Calif. Spring Gard. Show 21:19-20,68-69. 1953. 80 C1282

61768 SIMONS, A. J. Full value from the greenhouse. Gard. Illus. 70:120-121. May 1953. 80 G169

61769 SITWELL, E., comp. A book of flowers. London,Macmillan,1952. 314 p. 90.52 Si8

61770 SMITH, A. L. Observations on Lycaste skinneri. Amer. Orchid Soc. B. 22:367-368. May 1953. 80 Am329

61771 SMITH, C. C. Species in the garden. Amer. Rhododendron Soc. Q. B. 7:98-99. Apr.15,1953. 81 Am398

61772 SMITH, F. A. Roses in landscaping. Ga. Rose Soc. Off. B. 18(2):6-7. Mar./Apr.1953. 96.1 G292

61773 SMITH, H. J. Care for your shrubs. Prog. Farmer, Tex. Ed. 68(5):92-93. May 1953. 6 T311

61774 SMITH, K. D. Iris—its history from 1935. Gard. J. 3:74-75,80. May/June 1953. 80 G1635

61775 SPITTA, M. Coronation planting. Home & Country [London] 35:114-115. Apr.1953. 281.28 H753
Tree planting.

61776 STARKER, C. Hardy British ferns. Calif. Hort. Soc. J. 14:54-59. Apr.1953. 81 C1293

61777 STEEN, F. VAN. Three plants for flower beds. (In Flemish.) Cult. en Handel 19:269-272. May 1953. 80 C892

61778 STEINSVOLL, S. Architects and garden architects. (In Norwegian.) Gartneryrket 43:317-318. Apr. 25,1953. 80 G1938
Landscape gardening.

61779 STOREY, W. B. The pentaploidal origin of Vanda Nora Potter. Pacific Orchid Soc. Hawaii. B. 11:17-25. 1953. 96.2 P11

61780 SWEET, D. V. New propagation method shows great promise. Chrysanthemum Soc. Amer. B. 21:28-29. Jan.1953. 81 C46B

61781 TAYLOR, G. The Victorian flower garden. London,Skeffington,1952. 212 p. 90.51 T21V

61782 TEMPEST, R. C. Iris; the bearded types offer every color in the rainbow. Flower Grower 40(6):40,87-88. June 1953. 80 M72

61783 TERSTEEG, T. Our ditch. (In Dutch.) Floralia 73:97-99. Apr.8,1953. 80 F6613
Landscape gardening.

61784 TEUSCHER, H. Maxillaria tenuifolia. Amer. Orchid Soc. B. 22:373-374. May 1953. 80 Am329

61785 THODAY, R. E. Institutional gardening. II. Humus; flowers for bedding and decoration. Gard. Chron. 133:150-151. Apr.25,1953. 80 G162

61786 THOMAS, D. G. New miniature Gladioli. Gard. Illus. 70:122. May 1953. 80 G169

61787 THOMAS, H. P. Perennial borders in flower garden in autumn. New Zeal. J. Agr. 86:177,179,181-182. Feb.16,1953. 23 N48J

61788 THOMAS, SIR W. B. Gardens. London,Burke, 1952. 302 p. (Pleasures of Life Series) 90.52 T36

61789 TUGGLE, R. Beautiful plants not often found in gardens. Green Thumb [Denver] 10(5):18-20. May 1953. 80 G82

61790 U. S. PATENT OFF. Plant patents. 7 Nos. 1953. 156.65 P69
Contents: 1182. Brownell, J. D. Rose plant. 2 p.,1 col. pl. May 5; 1185. Weeks, O. L. Rose plant. 1 p.,1 pl. May 12; 1186. White, C. Juniper plant. 1 p.,1 col.pl. May 12; 1187. Rahbek, F. Saintpaulia plant. 2 p.,1 col. pl. May 12; 1188. Meilland, F. Rose plant. 2 p.,1 col.pl. May 19; 1189. Tantau, M. Rose plant. 2 p.,1 col.pl. May 19; 1190. Dailey, R. W. Camellia plant. 1 p.,1 col.pl. May 19.

61791 U. S. PATENT OFF. Plant patent 1180. Engle, R. Carnation plant. 1 p.,1 col.pl. Apr.21,1953. 156.65 P69

61792 VAN MELLE, P. J. Evergreens in the smaller quality sizes. Home Gard. 21(5):19-23. May 1953. 80 H756

61793 VICTOR, FRÈRE. Propos sur les Cactées. B. Hort. (n.s.)8:103-109. Apr.1,1953. 80 B873

61794 VINCE, D. Delayed blooming of midseason and late-flowering Chrysanthemums. Gt. Brit. Min. Agr. Agriculture 60:68-73. May 1953. 10 G79J

61795 VÖLKER, E. Betrachtungen über unsere balkon- und fensterblumen. Hess. Obstbau 8:73. May 1953. 80 G1932

61796 VÖLKER, E. Von rosensorten und ihrer pflanzung. Hess. Obstbau 8:38-39. Mar.1953. 80 G1932

61797 WALKER, C. F. Backbone of the rock garden. Field 201:721-722. Apr.30,1953. 10 F45

61798 WALLACE, C., ed. The gardener's pocket book. London,Evans,1953. 160 p. 90.1 W152

61799 WANDELER, G. DE, and CHALTIN, G. Agrémentez vos parterres de splendides Rhododendrons. Cour. Hort. 15:196-197. Apr.1953. 80 C834

61800 WARNE, E. F. New Hawaiiana. Pacific Orchid Soc. Hawaii. B. 11:26-34. 1953. 96.2 P11

61801 WATSON, D. B. Roses—the best of the best. Plants & Gard. (n.s.)9:40-43. Spring 1953. 450 P694

61802 WATSON, J. Garden flowers. Special pocket ed. Leicester,Eng.,Brockhampton Press,1952? 32 p. 96 W33

61803 WEHRHAHN, H. R. Was wächst und blüht in meinem garten? Blütenstauden und sommerblumen. Stuttgart,Franckh,1952. 179 p. (Kosmos-Naturführer) 97.4 W42

61804 WELCH, W. Dwarf Iris. Flower Grower 40(6): 46,78. June 1953. 80 M72

61805 WELLS, J. S. Propagation of Rhododendrons from stem cuttings. Amer. Nurseryman 97(9):10-11,60-73. May 1,1953. 80 Am371

61806 WHITEHEAD, S. B. Nutrients for roses. Rose 1:161-165. Spring 1953. 96.1 R725

61807 WILSON, C. G. Matted greens contribute to poorer golf. USGA J. & Turf Mangt. 6:25-28. Apr.1953. 60.18 Un32

61808 WOOD, A. It's never too late for bulbs. Home Gard. 21(5):34-37. May 1953. 80 H756

61809 WYLIE, A. An introduction to growth. Rose 1: 199-204. Spring 1953. 96.1 R725
Includes propagation and pruning.

61810 WYMAN, D. Climbing Hydrangea [H. petiolaris] Flower Grower 40(6):8,10. June 1953. 80 M72

61811 WYMAN, D. Metasequoia in modern times. Pop. Gard. [Albany] 4(5):42,67-69. May 1953. 80 P812

61812 WYMAN, D. Topiary—a lost art. Flower Grower 40(6):70-72. June 1953. 80 M72
Great Britain.

Vegetable and Truck Crops (Including Potatoes)

61813 ALASKA.UNIVERSITY. DIV. OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Vegetable varieties for Alaska 1953. Alaska U. Agr. Ext. C. 450,3 p. Mar.1953. 275.29 AL13Ex

61814 ALLARD, R. W. Production of dry edible lima beans in California. Calif. Agr. Expt. Sta. C. 423,27 p. Mar.1953. 100 C12S
Culture.

61815 ANDREW, J. French's horticultural beans. East. States Coop. 29(5):14. May 1953. 280.28 Ea7

61816 ASSCHE, F. VAN. Bean culture. (In Flemish.) Tuinbouwberichten 17:50-51. Apr.15,1953. 80 T817

61817 ASSOCIATION OF VIRGINIA POTATO AND VEGETABLE GROWERS. Annual report 1951-1952, for the twelve months ending June 30, 1952. n.p.,1952. 5 p. 81 As72

61818 AXELSSON, S. Cabbage plants for Dalarna. (In Swedish.) Lantbrtidskr. f. Dalarna 2:66-68. Apr. 1953. 11 L29

61819 BASSE, H. Kurze beschreibung der neu zugelassenen gemüsesorten. Saatgut-Wirt. 5:65-66. Mar. 1953. 61.8 Sa1

61820 BECKER, T. Schalottenanbau und- zucht in Weser-Ems. Landwirtbl. Weser-Ems 100:408-409. Apr.9,1953. 18 L2345

61821 BURDETT, J. A. Vegetables for the home garden. Plants & Gard. (n.s.)9:21-23. Spring 1953. 450 P694

61822 CARLETON, R. M. Flavor is what you make it. Home Gard. 21(5):15-18. May 1953. 80 H756
Home vegetable gardening.

61823 CESARINI, P. The valuable black truffle, factor in forest promotion. (In Italian.) Cam. di Com. Indus. e Agr. Perugia. B. Mens. (n.s.)65(2):1-2. Feb. 1953. 287 P43

61824 CHAVAN, J. P. Le forçage des pommes de terre. Agenda de l'Agr. et du Vigneron 1953:250-252. 30.3 Ag33

61825 CONTACTGROEP OPVOERING PRODUCTIVITEIT. De productie van groentezaden in de Verenigde Staten; rapport Studiegroep Tuinbouw [Production of vegetable seeds in the United States; report of the Horticultural Study Group], by G. F. Grooters and J. Sneep. 's-Gravenhage,1952? 124 p. 91 C76

61826 COVINGTON, H. The Wade, new super snap-bean. Farm & Ranch—South Agr. Upper So. Ed. 83(5):22-23. May 1953. 6 T31

61827 COX, J. A., and MONTELARO, J. Grow snap beans. La. Agr. Col. Ext. P. 1128,8 p. Oct.1952. 275.29 L93Ep

61828 COX, J. A. Learning how to make profits from sweet potatoes. Better Crops Plant Food 37(4):17-18,44. Apr.1953. 6 B46
Results from Louisiana 4-H Club Sweet Potato Production and Marketing Contest.

61829 COX, J. A., and MARTIN, W. J. Lousiana yams for table and trade. La. Agr. Col. Ext. P. 1121,32 p. Aug.1952. 275.29 L93Ep

61830 CRANE, P. L., NEWMAN, J. E., and MILES, S. R. Performance of corn hybrids in Indiana through 1952. Ind. Agr. Expt. Sta. C. 389,32 p. Dec.1952. 100 In2P

61831 CULLEN, J. C. Potato varieties. Natl. Inst. Agr. Bot. J. 6:315-330. 1952. 103 N21J
Includes discussion.

61832 CUNNINGHAM, C. R. Thirteen popular vegetables you can grow. Mo. Agr. Col. Ext. 4-H C. 110,23 p. Jan.1953. 275.29 M69B

61833 DEITEMEYER, C. The stand's the thing: warm germination tests don't tell whole story. Nebr. Farmer 95(8):7. Apr.18,1953. 6 N27
Cold germination tests for hybrid seed corn.

61834 DRAKE, V. C., and HAFERKAMP, M. E. Laboratory, greenhouse and field germination of radish, Raphanus sativus L. seed. Assoc. Off. Seed Anal. Proc. 42:88-93. 1952. 61.9 As7

61835 DUNN, M. How to live off two acres: the year-round supply of vegetables. 2. Austral. House & Gard. 9(5):26-27,57-58,60,62. Apr.1953. 296.28 Au7

61836 EJSING, G. Culture of shallots. (In Danish.) Jydsk Landbr. 35:265-266. Apr.16,1953. 11 J99

61837 ELIASSON, S. Carrot culture. (In Icelandic.) Freyr 48:103-106. Mar.1953. 11 F89

61838 EMILSSON, B. Growing new potatoes. (In Swedish.) Lantmannen 36:331,337. Apr.26,1952. 11 L234

61839 ETTINGER, Y. Summing-up the vegetable census of autumn, 1952. (In Hebrew.) Hassadeh 33:291-292. Feb./Mar.1953. 26 H27

61840 ETTINGER, Y. The use of reeds for training tomatoes. (In Hebrew.) Hassadeh 33:90. Feb./Mar.1953. 26 H27

61841 FÉDÉRATION NATIONALE DE PRODUCTEURS DE PLANTS DE POMMES DE TERRE. Rapport sur les contrôles et enquêtes effectués chez les destinataires-distributeurs de plants de pommes de terre durant la campagne, 1951/1952, par R. Barbier. Paris,1952. 11 p. 75.9 F31R

61842 FINCH, C. G. The effect of sowing date on the incidence of faulty heads in January King cabbage: Cambridge 1949/50 & 1950/51. Natl. Inst. Agr. Bot. J. 6:191-195. 1952. 103 N21J

61843 FINCH, C. G. Variety trials of brussels sprouts 1946/47 to 1951/52. Natl. Inst. Agr. Bot. J. 6: 161-179. 1952. 103 N21J

61844 GALLINO, A. Baby lima bean potential in south Jersey on up-grade. N. J. State Hort. Soc. Hort. News 34: 2641,2658. Apr.1953. 81 N46

61845 GARDNER, J. S. Your vegetable garden month by month. Ky. Agr. Col. Ext. C. 376,rev.,32 p. Feb.1952. 275.29 K415

61846 GEISER, S. Three ways to more beans. Successful Farming 51(5):148-150. May 1953. 6 Su12
Fertilizers, narrower rows, and early weeding.

61847 GELIN, O. Weibull's radiated pea. (In Swedish.) Weibulls Illus. Årsb. 48:28-30. Spring 1953. 64.9 L232

61848 GERMANY. LAND- UND HAUSWIRTSCHAFTLICHER AUSWERTUNGS- UND INFORMATIONSDIENST. Die kartoffelernte. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. [Veröffentl.] 3,8 p. Aug.1952. 18 G312V

61849 GERMANY. LAND- UND HAUSWIRTSCHAFTLICHER AUSWERTUNGS- UND INFORMATIONSDIENST. Pflanzgutwechsel. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. [Veröffentl.] 5,8 p. Jan.1953. 18 G312V
Potatoes.

61850 GILMAN, W. Need elbow room? Here's a five-row-plan. No more problems of vegetable garden-crowding with this clever, workable planting scheme. Org. Gard. 21(5):24-25,35. May 1953. 56.8 Or3

61851 GOULD, W. A., and others. Evaluation of yellow sweet corn varieties for processing. Ohio. Agr. Expt. Sta. Res. C. 19,32 p. Ref. Apr.1953. 100 Oh3R
F. E. Johnstone, H. D. Brown, F. A. Krantz, R. Davis, J. Mavis, E. A. Carroll, and N. Cooper, joint authors.

61852 GROENEWEGEN, J. H. Grafting of cucumbers and melons. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:169-183. Ref. Mar.1953. 86 N384

61853 GUNDELL, H. The Colorado vegetable basket. Green Thumb [Denver] 10(5):8-9. May 1953. 80 G82

61854 HAHN, M. Sortenwahl im gemüsegarten. Hess. Obstbau 8:25-26. Feb.1953. 80 G1932

61855 HAHN, P. Der einfluss der standweite auf marktreife und qualität des ertrages bei frühkohlrabi. Deut. Landwirt. 4:141-144. Mar.1953. 18 D4822

61856 HASTINGS, H. G. Start of Bermuda onions in Texas. Seed World 72(10):18,42-43. May 15,1953. 61.8 Se52

61857 HEYWOOD, E. F. Harvesting and marketing Maine lettuce. Maine. Agr. Expt. Sta. B. 510,30 p. Feb. 1953. 100 M28S

61858 HOFFMAN, I. C. Effects of different amounts of soil moisture on growth and fruiting of greenhouse tomatoes. Mkt. Growers J. 82(5):20,22,24-26,28. May 1953. 6 M34

61859 HONG, H. L., and VERKERK, K. Comparison of different methods of artificial pollination of tomatoes. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:229-238. Apr.1953. 86 N384
English summary.

61860 HOUGHTON, K. W. I grow corn worth eating! Pop. Gard. [Albany] 4(5):37,75-79. May 1953. 80 P812
New England.

61861 HUNTE, W. Champignonanbau im haupt- und nebenerwerb. Ed. 3, rev. Berlin,Parey,1952. 93 p. 91.7 H91

61862 JETNE, M. Seed potatoes. (In Norwegian.) Landbrukstidende 59:229-230. Mar.25,1953. 11 L236
Varieties.

61863 JIMENEZ, M. La cosecha de papa en 1952. Rev. Nac. de Agr. 47(574):7-8. Feb.1953. 9.4 R32
Colombia.

61864 KLEIN, K. F. Beregnungsversuche bei treibgurkenkulturen. II. Tech. f. Bauern u. Gärt. Ausg. G 5: 177-178. Apr.25,1953. 58.8 T223G

61865 KOERBER, W. VON. Kartoffeln misshandelt? Deut. Landwirt.-Gesell. Mitt. 68:353-354. Apr.9,1953. 18 N39
Culture.

61866 KRICKL, M. Genügen die derzeitigen werteigenschaften der radieschen. Saatgut-Wirt. 5:63-64. Mar.1953. 61.8 Sa1

61867 KRISTENSEN, R. Seedlings from approved varieties. (In Danish.) Denmark. Stat. Hushråds. Faglige Meddel. 3:13-14. 1953. 321.9 D41F
Vegetables.

61868 KROOSWIJK, J. H. Scorzonera. (In Dutch.) Floralia 73:124-125. Apr.29,1953. 80 F6613

61869 LAZERSON, H. Notes on two cucurbit crops. (In Hebrew.) Hassadeh 33:289-290. Feb./Mar.1953. 26 H27

61870 LEAL, F. DO R. The certification and fiscalization of onion seeds. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:373-383. Oct./Dec.1952. 9.2 R325

61871 LOSADA S., B. Instrucciones generales sobre el cultivo del tomate. Rev. Agr. y Ganad. 13(157):10,12. Feb.1953. 9.4 R327

61872 LUGEON, A. Les légumes. Agenda de l'Agr. et du Vigneron 1953:258-263. 30.3 Ag33
Culture.

61873 MAAS, J. The development of potato selection in S. E. Brabaant. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:155-157. Apr.1953. 12 N383M

61874 MCGREGOR, W. G., HANSEN, D. R., and MAGEE, A. I. Artificial defoliation of field beans. Canad. J. Agr. Sci. 33:125-131. Mar./Apr.1953. 7 Sci2

61875 MARVEL, M. E. Vegetable variety trials, 1952. W. Va. Agr. Expt. Sta. B. 357(3):6. Mar.1953. 100 W52

61876 MELHUS, I. E., and SMITH, F. O. The Mayan husk tomato, a tropical fruit comes to Iowa. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:211-212. May 1953. 275.28 Io94

61877 MOELLER, S. Growing of spring cucumbers. (In Hebrew.) Hassadeh 33:286-288. Feb./Mar.1953. 26 H27

61878 MONOT, G. La plantation de la pomme de terre. Agriculture [Paris] 17:83-85. Mar.1953. 14 Ag823

61879 NAGBISWAS, S. C. Cabbage seeds from stumps. Sci. & Cult. 18:433-434. Mar.1953. 475 Sci24

61880 NAVARRA, V. The artichoke. (In Italian.) Agr. Ferrarese 56:116-118. May 31,1952. 16 Ag87
Culture.

61881 NEUHAUSER, M. Growing asparagus from seed. Org. Gard. 21(5):30,40-41,59. May 1953. 56.8 Or3

61882 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Manual for New Jersey home vegetable gardeners. N. J. Agr. Col. Ext. L. 104,12 p.-folder. Apr.1953. 275.29 N46L

61883 NISSLEY, C. H. New Jersey vegetables. N. J. State Hort. Soc. Hort. News 34:2644,2649. Apr.1953. 81 N46

61884 NIVEN, L. A. Is all your garden planted? Prog. Farmer, Tex. Ed. 68(5):84-85. May 1953. 6 T311
Vegetables.

61885 NODA, A. Studies on native (primitive) varieties of crop plant; observations on a climbing variety of Adsuki bean native to Sanin District, Japan. 1. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:134-135. Nov.1952. 22.5 C88
English summary.

61886 NORTH, C., and SQUIBBS, F. L. A description of dwarf French bean varieties grown in the United Kingdom. Natl. Inst. Agr. Bot. J. 6:196-211. 1952. 103 N21J

61887 NORTH, C., and SQUIBBS, F. L. The frequency of occurrence of "off type" plants in seed stocks of some Brassica oleracea varieties. An estimation based on the inspection of market crops in the field. Natl. Inst. Agr. Bot. J. 6:180-190. 1952. 103 N21J
Varieties of broccoli, brussels sprouts, cabbage and cauliflower.

61888 OBEREMBT, E. Standraumverhältnisse der buschbohnen im feldanbau. Deut. Landwirt. 4:209-210. Apr.1953. 18 D4822
Russian zone.

61889 OCHOA, C. Papas hibridas de altos rendimientos. Peru. Dir. Gen. de Agr. B. 3/4:30-34. First/Second Q.1952. 9.8 P438

61890 PETERSSON, G., and SVENSSON, E. Whole or cut seed potatoes? (In Swedish.) Lantmannen 37:432-434. May 2,1953. 11 L234

61891 PIOT, J. C. Les variétés de pommes de terre. Agenda de l'Agr. et du Vigneron 1953:247-250. 30.3 Ag33

61892 PIOVANO, A. Hortalizas mendocinas. Chacra 23(269):44-45. Apr.1953. 9 C34

61893 PIOVANO, A. P. Variedades comerciales de repollo. Pampa Argentina 26(303):6. Mar.1953. 9 P19

61894 PORTER, D. A., and YOUNKIN, S. G. Ace, a new tomato variety for California. Canner 116(17):7-8, 27. Apr.25,1953. 286.83 C16

61895 PUERTO RICO. UNIVERSITY, COLLEGE OF AGRICULTURE. EXTENSION SERV. Más dinero por sus tomates. Puerto Rico. Agr. Col. Ext. Fol. E-6,rev.,4 p. Nov.1952. 275.29 P96E
Harvesting, care and handling of tomatoes.

61896 REESTMAN, A. J. Are small-sized (25/28 mm) seed potatoes useful in practice? (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:143-154. Apr.1953. 12 N383M

61897 REICHELT. Vorverlegung der rhabarberernte. Hess. Obstbau 8:26-27. Feb.1953. 80 G1932

61898 RINKE, E. H., JOACHIM, G., and OLMEIM, N. C. Maturity ratings of corn hybrids in Minnesota, 1952-53. Minn. Agr. Expt. Sta. Misc. Rpt. 17,12 p. Mar. 1953. 100 M66

61899 ROBERTS, S. K. Mushrooms—their dangers and pleasures. Minn. Hort. 81:68-69,79. May 1953. 81 M66

61900 ROCHA GARCIA, G. DE LA. El cultivo de las vainitas. Peru. Dir. Gen. de Agr. B. 3/4:44-50. First/Second Q.1952. 9.8 P438

61901 SCHLEUSENER, W. Das pflanzgut, der wichtigste produktionsfaktor im kartoffelbau. Deut. Landwirt. 4:116-119. Mar.1953. 18 D4822
Russian zone.

61902 SCHOENEMANN, J. A. Better potato stands. Badger Common 'Tater 6(4):10-12. Apr.1953. 75.8 B14

61903 SHEWELL-COOPER, W. E. Merit in variety. Estate Mag. 53:158-160. Apr.1953. 10 Es8
Vegetables in Great Britain.

61904 SHULBERG, S. Summer tomatoes in 1952. (In Hebrew.) Hassadeh 33:285-286. (Concl.) Feb./Mar.1953. 26 H27

61905 SMITH, G. M. Release of white sweet corn inbreds 81-1 and 471-U6. Ind. Agr. Expt. Sta. Mimeo BP-55,2 p. Feb.1953. 100 In2B

61906 SMITH, G. M. Sweet corn performance tests 1951. Ind. Agr. Expt. Sta. Mimeo BP-50,16 p. Feb.1952. 100 In2B

61907 SMITH, G. M. Sweet corn performance tests, 1952. Ind. Agr. Expt. Sta. Mimeo BP-54,20 p. Jan.26, 1953. 100 In2B

61908 STRINGFIELD, G. H. Not for the birds! New hybrid corn varieties may drive the birds from our cornfields. Ohio Farmer 211(9):8. May 2,1953. 6 Oh3

61909 STRINGFIELD, G. H., and THATCHER, L. E. Wide corn rows allow seeding wheat on fly-free date. Ohio Farmer 211(8):20-21. Apr.18,1953. 6 Oh3

61910 SVENSSON, V. Steckling of red beets. (In Swedish.) Weibulls Illus. Årsb. 48:38-39. Spring 1953. 64.9 L232

61911 TESHIMA, T., and TAKAHASHI, T. Investigation on the secondary-growth of potato tubers. 4. On the fifth-growth potato tubers found in "kannanshiro." (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:71-72. Nov. 1952. 22.5 C88
English summary.

61912 TREBUCHET, G. Orientation de la culture légumière en France. Jard. de France 4:108-118. Apr. 1953. 86 So13

61913 TREE, E. F. Capsicums and chillies at Bowen. Queensland Fruit & Veg. News 3:354. Mar.19, 1953. 280.38 Q3
Culture.

61914 TURNQUIST, O. C. Getting started with your vegetable garden. Minn. U. Agr. Ext. Folder 164,10 p. Mar.1953. 275.29 M66Ex

61915 TURNQUIST, O. C. Vegetable varieties for Minnesota. Minn. U. Agr. Ext. Folder 154,rev.,8 p. Mar.1953. 275.29 M66Ex

61916 U. S. PRODUCTION AND MARKETING ADMIN. Snap bean varieties; descriptions, names and synonyms. Washington,1953. 37 p. 1.956 G76Sn1

61917 VITTUM, M. T., and PECK, N. Are you planting enough sweet corn seed? Farm Res. [N. Y. Sta.] 19(2):4. Apr.1953. 100 N48A

61918 WALKER, P. Timing in the vegetable garden. Gard. Illus. 70:131. May 1953. 80 G169

61919 WANDELER, C. DE, and CHALTIN, G. Le melon! Un délice des gourmets. Cour. Hort. 15:205-207. Apr.1953. 80 C834

61920 WESTOVER, K. C. Potato varieties for West Virginia. W. Va. Agr. Expt. Sta. B. 357(3):4-5. Mar. 1953. 100 W52

61921 WHITEHEAD, E. L. Home vegetable garden. Okla. Agr. Col. Ext. C. 196,rev.,39 p. n.d. 275.29 Ok41C

61922 WOLLNER, F. Zur herstellung eines leistungsfähigen kartoffelpflanzgutes. Landwirtbl. Weser-Ems 100:380-382. Apr.2,1953. 18 L2345

61923 ZANINI, E. Results of geographic tests with varieties of tomatoes for processing during the agricultural season 1951-1952. (In Italian.) Conserve e Derivati Agrumari 2(5):15-19. Jan./Mar.1953. 389.9 C7622

WEEDS AND POISONOUS PLANTS

61924 ALBERT, W. B., POWERS, M. R., and BLAND, H. E. Supplementary recommendations and information for chemical weed control in cotton for 1953. S. C. Agr. Expt. Sta. C. 90,2 p. Mar.1953. 100 So8

61925 ALDRICH, R. J. Herbicides; residues in soil. J. Agr. & Food Chem. 1:257-260. Ref. Apr.29,1953. 381 J8223

61926 ALLEN, H. P. It pays to spray. Farmers Wk. [London] 38(17):64-65. Apr.24,1953. 10 F2226
Weed control methods and costs in Great Britain.

61927 ANDERSEN, S. Do we utilize the sprayers? (In Danish.) Dansk Landbr. 72:195-196. Apr.16,1953. 280.28 V91
Weed control.

61928 ARGENTINA. DIRECCION NACIONAL DE GRANOS Y ELEVADORES. DIRECCION DE FOMENTO Y CONTRALOR DE LA PRODUCCION. Malezas presentes en los cultivos de trigo quinquenio 1945/46—1949/50. Argentina. Dir. Nac. de Granos y Elevadores. B. Inform. 13:144-191. Sept.30,1952. 286.81 Ar3

61929 BAILEY, J. S. Chemical weed control in strawberries. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:134-137. 1952. 81 M384

61930 BAILEY, J. S. Strawberry weed control. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:103-104. 1953. 81 M384

61931 BARABÉ, R., and CARTIER, R. D. Le liseron [Convolvulus arvensis] des champs. Quebec. Plant Protect. Serv. Feuillet P.P. 7,8 p. Mar.1952. 464.9 Q312

61932 BECKER, A. Erfahrungen bei der unkrautbekämpfung. Landwirt. Z. der Nord-Rheinprov. 120:451-452. Apr.11,1953. 18 L2344

61933 BECKER, A. Unkrautbekämpfung auf grünland. Landwirt. Z. der Nord-Rheinprov. 120:476-477. Apr.18, 1953. 18 L2344

61934 BERGMARK, M. Look, but do not touch! (In Swedish.) Trädgårdstidningen 25(5):19,28-29. May 1953. 80 T67
Poisonous plants.

61935 BIGGAR, W. A., and MOORE, A. P. Some experiences with selective weedkillers. Scot. Agr. 32:178-183. Spring 1953. 10 Sco82So

61936 BIROLI, C. Selective hormone weed-killers. (In Italian.) Colt. e Gior. Vinic. Ital. 99:97-98. Mar. 1953. 16 C72

61937 BLACKMAN, G. E. Herbicides: their use and abuse. London Corn C. 110(33):6. (Cont.) Apr.24,1953. 286.81 L84
Hazards and safeguards.

61938 BLACKMAN, G. E. Herbicides: their use and abuse. London Corn C. 110(36):6. (Concl.) May 4,1953. 286.81 L84
Hazards and safeguards.

61939 BODE, L. La destruction des herbes nuisibles. Jard. du Maroc 38:25-27. First Q.1953. 87 So1

61940 BORASIO, L., REGE, F. DE., and GIRARDI, A. Chemical control of algae—a new product, Disalgon. (In Italian.) Colt. e Gior. Vinic. Ital. 99:81-84. (Cont.) Mar.1953. 16 C72
Chiefly used in rice fields.

61941 BOSE, S. R. Destructive role of plants. Sci. & Cult. 18:369-373. Ref. Feb.1953. 475 Sci24
Weeds.

61942 BROAD, P. D. The occurrence of weed seeds in samples submitted for testing by the O.S.T.S. [Official Seed Testing Station]. Natl. Inst. Agr. Bot. J. 6:275-286. 1952. 103 N21J

61943 BURTON, G. W. Coastal Bermuda—a triple-threat grass on the cattleman's team. Better Crops Plant Food 37(4):6-10,45. Apr.1953. 6 B46
Cynodon dactylon.

61944 DANIEL, W. H. National chemical crabgrass controls in 1952. Golf Course Rptr. 21(3):14-17. May 1953. 60.18 G83

61945 DANIEL, W. H. 2,4,5-T for clover control in turf. Golf Course Rptr. 21(3):27-28. May 1953. 60.18 G83

61946 DORAN, C. W. Fewer weeds—more grass; plowing vs. spraying to improve weedy mountain ranges. Colo. Rancher & Farmer 7(8):6,14. Apr.25,1953. 6 C714

61947 DUNHAM, R. S., and others. Chemical weed control in Minnesota, 1953. Minn. U. Agr. Ext. Pam. 187, 16 p. Jan.1953. 275.29 M66P
R. E. Nylund, R. F. Crim, and H. L. Hansen, joint authors.

61948 DVIR, A. The control of Bermuda grass by sub-surface cultivation. (In Hebrew.) Hassadeh 33:326-328. Feb./Mar.1953. 26 H27

61949 EADIE, I. M. Control of stinkwort [Inula graveolens] by hormone type weedicides. Austral. Inst. Agr. Sci. J. 19:45-47. Mar.1953. 23 Au74

61950 EHARA, K., and ABE, S. Studies on the wild Japanese barnyard millet as a weed in the low-land rice-field. VI-VII. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:61-64. Nov.1952. 22.5 C88
English summary.
VI, Physiological investigations on the germination; VII, Investigation on the propagating ways of the wild Japanese barnyard millet.

61951 ELDER, W. C., and DREESSEN, J. Chemical control of brush in Oklahoma. Okla. Agr. Expt. Sta. Mimeog. C. M-242,6 p. Feb.1953. 100 Ok4M

61952 ELDER, W. C., PORTERFIELD, J. G., and DREESSEN, J. Chemical control of weeds in cotton. Okla. Agr. Expt. Sta. B. B-397,11 p. Apr.1953. 100 Ok4

61953 ELWELL, H. M. Experiments on brush control of hardwoods for grass production. Red Plains Conservation Experiment Station; progress report, 1953. Okla. Agr. Expt. Sta. Mimeog. C. M-240,8 p. Jan.1953. 100 Ok4M

61954 ENGEL, R. E., ALDRICH, R. J., and AHLGREN, G. H. A comparison of five chemicals for crabgrass control in turf. Weeds 2:27-32. Jan.1953. 79.8 W41

61955 FENLEY, J. M. How to live with Halogeton while limiting its spread and reducing loss. Nev. Agr. Col. Ext. B. 106,20 p. Ref. Mar.1952. 275.29 N41

61956 FISHER, C. E. Mesquite [Prosopis], Texas' biggest rustler. Prog. Farmer, Tex. Ed. 68(5):19,153. May 1953. 6 T311

61957 FRANS, R. E., and SPRAGUE, M. A. Chemical control of Kentucky bluegrass. Agron. J. 45:121-122. Mar.1953. 4 Am34P

61958 FREEMAN, F., and GARDNER, K. The determination of chloromethylphenoxyacetic acids in MCPA formulations. Analyst 78:205-209. Apr.1953. 382 An1

61959 FRIEDERICH, J. C. Chemical weed control in fiber and oil flax. (In Dutch.) Nieuwe Veldbode 19: 624-625. Apr.30,1953. 12 V542N

61960 GERTSCH, M. E. The influence of various carriers upon the inhibitory effectiveness of 2,4-D sprays. Weeds 2:33-42. Jan.1953. 79.8 W41

61961 GRANCINI, P. Weed-killers. (In Italian.) B. dell'Agr. 87(13):1-3. Mar.27,1953. 16 B87

61962 GRIGSBY, B. H. Sugar beet weed control trials in 1952. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:91-92. 1953. 66.9 Am353

61963 HANF. Bestandsänderung im grünland durch wuchsstoffhaltige unkrautbekämpfungsmittel. (Abs.) Angew. Chem. 65:163. Mar.21,1953. 384 Z33

61964 HASEGAWA, S., and TAKEMURA, G. The study on the weed control of upland rice field. I. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:102-103. Nov. 1952. 22.5 C88
English summary.

61965 HEALY, A. J. Control of docks [Rumex]. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:473-475. Feb.1953. 514 N48A

61966 HEGGENESS, H. G., and LARSON, A. H. How to control perennial weeds. Minn. Farm & Home Sci. [Minn. Sta.] 10(3):20. May 1953. 100 M668

61967 HEMPHILL, D. D. Growth regulators in weed control. Amer. Fruit Grower 73(5):15,40-41. May 1953. 80 G85

61968 HOFFMAN, O. L., and SYLWESTER, E. P. On quack grass control with maleic hydrazide. Weeds 2: 66-67. Jan.1953. 79.8 W41

61969 HOFSTEN, C. G. VON. Bedstraw—a weed problem that requires prompt measures. (In Swedish.) Lantmannen 36:329-330. Apr.26,1952. 11 L234

61970 HOLZ, W. Unkrautbekämpfung in den Niederlanden. Gesunde Pflanzen 5:84-87. Apr.1953. 464.8 G33

61971 HOUTZAGERS, G. Chemical weed control on seed beds. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:109-110. Apr.1953. 12 N282

61972 HOWELL, J. T. New records of western weeds. L. West. Bot. 7:38-40. May 13,1953. 450 L47

61973 JOHANNES, H. Versuche zur herabsetzung der spritzbrühmengen. I. Einleitung und unkrautbekämpfung. Nachrbl. des Deut. Pflanzenschutzdienstes 5:1-8. Jan.1953. 442.9 B832

61974 KEILHOLZ, G. Wichtige punkte zur unkrautbekämpfung. Landwirt. Wchnbl. 143:532. Apr.25,1953. 18 L2338
Germany.

61975 KELLY, J. A. Commercial herbicides; present methods of formulation. J. Agr. & Food Chem. 1:254-257. Apr.29,1953. 381 J8223

61976 KERSTING. Zur bekämpfung der herbstzeitlose [Colchicum autumnale]. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:700-701. Apr.23,1953. 18 L2346

61977 KINCH, D. M., and CARLETON, W. M. Soil treatments for weed control. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:21-27. 1953. 66.9 Am353

61978 KIRCHMEYER. Fortschrittliche unkrautbekämpfung im getreide. Kärntner Bauer 103:201. May 1,1953. 19 K14

61979 KLINGMAN, D. L. A comparison of pasture weed control methods under three levels of management. Down Earth 9:4-7. Summer 1953. 381 D75

61980 KOLTERMANN. Zur unkrautbekämpfung mit wuchsstoffmitteln. Deut. Landwirt.-Gesell. Mitt. 68:381-383. Apr.16,1953. 18 N39

61981 LARRIERA VELASCO, A. Alfalfares y cardos. Res 21:27663. Jan.5,1953. 286.85 R31

61982 LEE, O. C. Giant foxtail [Setaria faberii]. Purdue U. Agr. Ext. Mimeo BP 59,1 p. May 1953. 100 In2B

61983 LEE, O. C. Weeding soybeans with dinitro. Purdue U. Agr. Ext. Mimeo BP 57,1 p. Apr.1953. 100 In2B

61984 LOGAN, A. V., ODELL, N. R., and FREED, V. H. The use of C^{14} in a study of the leaching rate of isopropyl N-phenyl carbamate. Weeds 2:24-27. Jan.1953. 79.8 W41

61985 LOUW, P. G. J. A note on the alkaloid of Crotalaria damarensis. Onderstepoort J. Vet. Res. 25(4): 111-112. Dec.1952. 41.8 On1
Poisonous plants to livestock.

61986 MAJOR, J. A note on Halogeton. J. Range Mangt. 6:186-188. May 1953. 60.18 J82

61987 MONTANO, A. Observations on the use of the herbicide 2, 4-D. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:251-254. Sept.1952. 9.2 R325

61988 MULLWEE, C. L. The battle against weeds—when will we win? Agrarian 12(2):11,24. Spring 1953. 276.8 Ag8

61989 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bericht over onkruidbestrijdingsmiddelen [Report on herbicides]. Netherlands. Plantenziektenk. Dienst. Ber. 1036,6 p. Mar.1953. 464.9 N38

61990 NETHERLANDS. RIJKSLANDBOUWCONSULTENTSCHAP, KRUININGEN. Chemical weed control. (In Dutch.) Zeeuwsch Landbbl. 41(2164,sup.),4 p. Mar. 21,1953. 12 Z2
Other agencies cooperating.

61991 ORSAT, C. O. Les phytohormones de desherbage et la vigne. Rev. Agr. de l'Afrique du Nord 51:463-464. Apr.24,1953. 80 R326

61992 OYER, E. B., DANIELS, W. H., and LEE, O. C. Crabgrass control in lawns. Ind. Agr. Expt. Sta. Mimeo BP-51,2 p. Mar.1952. 100 In2B

61993 PALMER, C. B. Regrowth is a problem. Wesfarmers News 1(11):16. Apr.2,1953. 23 W51
Land clearing and brush control.

61994 PENTON, A. Some plants steal water; watch out for phreatophytes, plants that take water and give nothing in return. Org. Farmer 4(10):22-23. May 1953. 57.8 Or32

61995 PINDUR, W. Unkrautbekämpfung mit hormon. Bauer 6(17):8-9. Apr.25,1953. 19 B32
Austria.

61996 PLANT PROTECTION, LONDON. Common farm weeds illustrated. London,Butterworths Sci. P., 1952. 172 p. 79 P69

61997 PRIDHAM, A. M. S. Safe control of annual weeds. Florists Exch. 120(10):12,45. May 9,1953. 80 F666

61998 RADEMACHER. Stand der unkrautbekämpfung mit herbiziden wuchsstoffmitteln auf dem grünland. (Abs.) Angew. Chem. 65:163. Mar.21,1953. 384 Z33

61999 RALSTON, D. Poisonous plants of the West. West. Live Stock 38(9):11,59,62-63,67,70,74-75. Apr. 1953. 49 W523

62000 RAPIN, J. Lutte contre les mauvaises herbes. Agenda de l'Agr. et du Vigneron 1953:229-230. 30.3 Ag33

62001 REEVE, P. A. Results from the use of TCA and endothol for weed control in sugar beets. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:90. 1953. 66.9 Am353

62002 RIEPMA, P. Control of weeds in rye and wheat. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:40-43. 1953. 59.9 St5J
English summary.

62003 RIEPMA, P. Weed control in rye and wheat. (In Dutch.) Nieuwe Veldbode 19:623-624. Apr.30,1953. 12 V542N

62004 SCOTT, D. B. Weeds in your pasture? West. Dairy J. 9(7):19,22-24. May 1,1953. 44.8 W524

62005 SHAW, W. C., and LOVVORN, R. L. Recent advances in chemical weed control. Agr. Chem. 8(5):32-35,127-129. May 1953. 381 Ag8

62006 SHAW, W. S., and SWANSON, C. R. The relation of structural configuration to the herbicidal properties and phytotoxicity of several carbamates and other chemicals. Weeds 2:43-65. Ref. Jan.1953. 79.8 W41

62007 SLANGER, B. Big sagebrush (Artemisia tridentata). Mont. Stockgrower 25(5):26,28. May 5,1953. 49 M76

62008 SPEIR, W. H., and STEPHENS, J. C. Herbicidal tests for control of Para grass on ditch banks in the Everglades region of Florida. Weeds 2:15-23. Ref. Jan. 1953. 79.8 W41
Panicum purpurascens.

62009 STAPP, C., and WETTER, C. Untersuchungen über die wirkung von 2,4-D im boden. III. Phytopath. Z. 20:227-238. Jan.1953. 464.8 P562

62010 STOA, T. E., HELGESON, E. A., and CONLON, T. J. Wild oats:can they be controlled? N. Dak. Agr. Expt. Sta. Bimon. B. 15:216-223. May/June 1953. 100 N813B

62011 TAJIMA, S. Fundamental studies of weed control. I. Seasonal changes of kind, quantity and some other facts of weeds on arable land. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:115-116. Nov.1952. 22.5 C88
English summary.

62012 TYRER, T. G. High fertility curbs Paspalum; sod-bound swards give place to good pasture and production moves rapidly up the scale. New Zeal. Dairy Exporter 28(10):12-13,16-17. Apr.1953. 44.8 N484

62013 UEKI, K. On the utilization of 2.4.5-T for controlling weeds in paddy fields. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:100-101. Nov.1952. 22.5 C88
English summary.

62014 WEYL, V. E. Mastering the weeds. Natl. Grange Mon. 50(5):10-11,25,45. May 1953. 6 N215

62015 WOLFE, H. H., and RASMUSSEN, L. W. Weed control in cereal crops. Wash. State Col. Ext. Misc. P. 1,8 p. Jan.1953. 275.29 W27Exm
Chemicals are used.

MISCELLANEOUS ECONOMIC PLANTS
(Drug, Dye, Rubber, Etc.)

62016 BAPTIST, E. D. C. Improvement of yields in Hevea brasiliensis. World Crops 5:194-198. May 1953. 281.8 W892

62017 BIENAYMÉ, A., and SURRE, C. Les oléagineux dans l'économie du Cameroun. Oléagineux 8:203-208. Apr.1953. 77.8 OL2
African oilpalm, coconut, tung and field crops.

62018 BUCHHOLZ, U. Rainfarn [Tanacetum vulgare] ein bewährtes bienenräuchermittel. Deut. Bienenztg. 8: 62-63. Apr.1,1953. 424.8 D488

62019 CHEVALIER, A. Transport de la culture du giroflier de l'Indo-Malaisie sur les îles de l'Afrique orientale et à Madagascar. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:172-174. Mar./Apr.1953. 26 R323

62020 COLLURA, A. M. La Salvia [S. officinalis] y tomillo [Thymus vulgaris]. Chacra 23(269):70-72. Apr.1953. 9 C34

62021 CONSTABLE, D. H., and SILVA, C. A. DE. Clonal yield maps for rubber in Ceylon. Rubber Res. Inst. Ceylon. Q. C. 28:15-25. Dec.1952. 78.9 C33Q
Hevea.

62022 CONSTABLE, D. H. Testing of tree killing substances on Hevea brasiliensis. I. Rubber Res. Inst. Ceylon. Q. C. 28:26. Dec.1952. 78.9 C33Q
Disposal of old rubber trees.

62023 DEBEVEC, L. Blueweed [Echium vulgare]. (In Slovenian.) Slovenski Čebelar 55:49-51. Mar.15,1953. 424.8 SL5
Honey plants.

62024 DIAZ UNGRIA, C. El M.A.C. [Ministerio de Agricultura y Cria] colabora en la investigacion de la naturaleza. Agr. Venezol. 17(159):11-18. Jan./Feb.1953. 9.95 Ag8
Discusses Mauritia flexuosa and its utilization.

62025 EBES, K. The effect of spacing and thinning on the yield of Cinchona ledgeriana. Netherlands J. Agr. Sci. 1:44-53. Feb.1953. 12 N3892

62026 FIDEL CASTRO, M. Un programa de selección del cafeto en Colombia. Cent. Nac. de Invest. de Cafe. Bibliot. B. Inform. 4(38):15-30. Ref. Feb.1953. 68.29 C332

62027 FOSSATI, L. Woody plants and apiculture. (In Italian.) Monti e Boschi 4:128-129. Mar.1953. 16 M76

62028 FOSTER, G. B. Herbs are space savers. Herb Grower Mag. 7:59-65. Apr./June 1953. 80 Am316
In vegetable gardens.

62029 FOSTER, G. B. Wooing Rosemary [Rosmarinus officinalis]. Herb Grower Mag. 7:70-74. Apr./June 1953. 80 Am316

62030 FOX, H. M. The years in my herb garden. New York,Macmillan,1953. 185 p. 97.21 F83Y

62031 GARCIA BECERRA, C. El cultivo del cacao. Almanaque Creditario 10:79-83. 1953. 9.4 AL6

62032 GRIEBL, H. Eine bienenpflanze, die sich die welt eroberte. Österr. Imker 3:60-61. Apr.1953. 424.8 Os7
Taraxacum.

62033 INGRAM, J. S. The Luffa plant and its uses. Colon. Plant & Anim. Prod. 3:165-173. 1953. 472 C71

62034 JULIA, H. Le palmier à huile en A.E.F. [Afrique Equatoriale Française]. Oléagineux 8:283-289. May 1953. 77.8 OL2

62035 KEHAR, N. D., and NEGI, S. S. Mangrove (Avicennia officinalis Linn) leaves as cattle feed. Sci. & Cult. 18:382-383. Feb.1953. 475 Sci24
India.

62036 KLANŠEK, H. Catkin is blooming—. (In Slovenian.) Slovenski Čebelar 55:84-86. Apr.1,1953. 424.8 SL5
Honey plants.

62037 KOTLAR, Y. The prickly pear. (In Hebrew.) Hassadeh 33:300-302. Feb./Mar.1953. 26 H27

62038 KÜNZLE, J. Kräuter atlas. 100 heilpflanzen in naturgetreuer, farbiger darstellung, ausgewählt. Olten, 1952? 16 p. 452.82 K962

62039 LEYEL, H. W. Green medicine. London,Faber & Faber,1952. 324 p. 452.82 L59G
Medicinal plants.

62040 LOOMIS, H. F. South Florida aids in the tropical rubber [Hevea brasiliensis] program. Gard. J. 3:86-87,90. May/June 1953. 80 G1635

62041 MACHADO, A. DE O. Recovery in the coffee-raising industry. (In Portuguese.) Soc. Rur. Bras. Rev. 33(385):20. Feb.1953. 9.2 B733
Culture and fertilizing.

62042 MALHADO. Synopsis of phytotherapy. (In Portuguese.) Arq. de Biol. 38(311):13-19. (Cont.) Jan./Feb.1953. 442.8 Ar6
Drug plants.

62043 MAUL, H. Uber den wert der akazie. Westfälische Bienenztg. 66:80-81. Apr.1953. 424.8 W526

62044 MELVILLE, A. R. The Coffee Demonstration Farm, Rukera Estate. Coffee Bd. Kenya. Mon. B. 18:347-349. (Cont.) Mar.1953. 68.29 C652

62045 MENON, P. V. Coffee bed nursery. Indian Coffee 17:48-50. Feb.1953. 68.29 In23M

62046 MUENSCHER, W. C. Herb recollections. III. Costmary - Chrysanthemum balsamita. Herb Grower Mag. 7:57-58. Apr./June 1953. 80 Am316

62047 MURPHEY, E. V. A. Native foods in northern California. Calif. Farmer, South. Ed. 198:458. Apr.18, 1953. 6 C126A

62048 MUZIK, T. J. Growth and regeneration in Hevea seedlings. Science 117:555-556. May 22,1953. 470 Sci2

62049 NEYBERGH, A. G. Quelques plantes à essences dans l'Est de la Colonie. Belgium. Min. des Colon. B. Agr. du Congo Belge 44:1-40. (Cont.) Feb.1953. 24 K83

62050 OLIVEIRA E CASTRO, F. R. DE. Derris elliptica—insecticidal plant. (In Portuguese.) Gaz. do Agr. 5:42-43. Feb.1953. 24 G25

62051 OSTALE TUDELA, E. Planta de actualidad—Salvia. Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 59:17. Apr.1953. 15 Sa7

62052 PAL, R. The drumstick [Moringa oleifera]. Indian Farming (n.s.)11(12):10-11,32. Mar.1953. 22 In283

62053 PALMER, E. Forgotten wild fruits of the veld. Veldtrust 14(3):12-13,30,32. Mar.1953. 56.8 V54

62054 PECKOLT, O. DE L. Studying the snuff plants of the Indians. (In Portuguese.) Chacaras e Quintais 87: 382-383. (Cont.) Mar.15,1953. 9.2 C34
Brazil.

62055 RUBBER RESEARCH INSTITUTE OF MALAYA. BOTANICAL DIV. Hand pollination in Hevea brasiliensis. Rubber Res. Inst. Malaya. Planters' B. (n.s.)5:29-34. Mar.1953. 78.9 R825

62056 RUEGGER, R. Plantes mellifères et pollinifères, l'Hellebore fétide. J. Suisse d'Apicult. 50:108-110. Apr.1953. 424.9 So1

62057 RUGE, U. Malva mauritanica L., die bienenmalve. Deut. Bienenwirt. 4:98-99. May 1953. 424.8 D489

62058 STEIGERWALD, E. Ueber den heilpflanzenanbau im Bundesgebiet. Deut. Apoth.-Ztg. 93:255-257. Apr.9,1953. 396.8 Su2

62059 STEYN, D. G., and MEEUSE, A. D. J. Guiding principles for those engaged on research into toxic and/or medical plants and for collectors of plant material. So. African Indus. Chem. 7:14-15. Jan.1953. 385 So8

62060 STREKELJ, J. Giantreed. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 5:52-53. Feb.1953. 21.5 Sa1
Arundo donax.

62061 SUNDARAM, S. Factors favouring rooting of coffee sucker cuttings. Indian Coffee 17:31-41. Feb.1953. 68.29 In23M

62062 VODNIK, F. Concerning savories [Satureia]. (In Slovenian.) Slovenski Čebelar 55:1-9. Feb.15,1953. 424.8 SL5

62063 WALKER, A. Emploi ou usages de feuilles de végétaux. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:178-180. Mar./Apr.1953. 26 R323

62064 WARD, F. K. The rubber trees of Heneratgoda. Gard. Chron. 133:160. May 2,1953. 80 G162
Garden near Colombo, Ceylon.

62065 WOODWARD, F. N. Seaweed and its utilisation. Pharm. J. 170:253-254. Apr.11,1953. 396.8 P49
Discusses kinds of seaweed.

62066 YAHEL, E. The prickly pear cactus. (In Hebrew.) Hassadeh 33:258-259. Feb./Mar.1953. 26 H27

62067 YAMADA, I., and OTSUKI, T. The relation between the yield of pyrethrum plant (Chrysanthemum cinerariaefolium) and the duration of cultivation. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64: 47-60. Feb.1953. 107.6 H68
English summary.

SOILS AND FERTILIZERS

SOIL SCIENCE

62068 ALBRECHT, W. A. Some aims of soil research. Com. Fert. 86(5):35-36,38,40,42. May 1953. 57.8 C73

62069 GROH. Liebigs bedeutung für die landwirtschaft. Deut. Landwirt.-Gesell. Mitt. 68:447-449. May 7,1953. 18 N39
Plant nutrition.

62070 MARISELLI O., J. A. Consideraciones sobre el suelo para su mejor conocimiento. Peru. Dir. Gen. de Agr. B. 3/4:19-23. First/Second Q.1952. 9.8 P438

62071 TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. The story of the soil, by R. L. Donahue and M. K. Thornton. College Station,1953. 47 p. 56.22 T31

Soil Physics

62072 ALBRECHT, D., FRITZSCHE, K. H., and WINKLER, S. Weitere entwicklung des strukturbohrers. Deut. Landwirt. 4:206-208. Apr.1953. 18 D4822
For soils.

62073 BISWELL, H. H., and others. Frost heaving of grass and brush seedlings on burned chamise brushlands in California. J. Range Mangt. 6:172-180. May 1953. 60.18 J82
A. M. Schultz, D. W. Hedrick, and J. I. Mallory, joint authors.

62074 CAMP, W. H. Soil conditioners. Frontiers 17:109-110. Apr.1953. 410 F92

62075 CROCE, F. M. El krilium, un nuevo mejorador del suelo. Pampa Argentina 26(301):8,25. (Cont.) Jan. 1953. 9 P19

62076 GOATES, J. R., and HATCH, C. V. Standard adsorption potentials of water vapor on soil colloids. Soil Sci. 75:275-278. Apr.1953. 56.8 So3

62077 GODEFROY, B. Contribution à l'etude du tassement des sols par la sonde Dunlop. Rev. Gén. du Caoutchouc 30:223-227. Apr.1953. 305.8 R32
Effect of tractors on the soil.

62078 ISHIBASHI, S. Fundamental studies on the action of plowing machine. I. Studies on the mechanical analysis of soils. (No. 1). (In Japanese.) Yamaguti U. Facul. Agr. B. 3:79-90. Ref. 1952. 107.6 Y14
English summary.

62079 JAMISON, V. C. The significance of air adsorption by soil colloids in picnometric measurements. Soil Sci. Soc. Amer. Proc. 17:17-19. Jan.1953. 56.9 So3

62080 KIVINEN, E. Krilium, a synthetic soil conditioner. (In Finnish.) Suomen Kemistilehti 26 A:109-113. 1953. 385 Su7

62081 KÖNEMANN, E. Krilium nun auf dem deutschen markt. Was ist krilium? Bionomica 4:71. May 1953. 463.8 B52

62082 KULIMANN, A. Die anfertigung und bedeutung von bodenlackfilmen. Deut. Landwirt. 4:203-206. Apr. 1953. 18 D4822
Study of soil profiles.

62083 LUTHIN, J. N. An electrical resistance network solving drainage problems. Soil Sci. 75:259-274. Ref. Apr.1953. 56.8 So3

62084 MCMILLAN, N. J., and MITCHELL, J. A microscopic study of platy and concretionary structures in certain Saskatchewan soils. Canad. J. Agr. Sci. 33:178-183. Ref. Mar./Apr.1953. 7 Sci2

62085 MARTIN, W. P., and VOLK, G. W. Field tests with soil conditioning chemicals. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:6-7. 1953. 66.9 Am353

62086 MARTIN, W. P. Status report on soil conditioning chemicals. I. Soil Sci. Soc. Amer. Proc. 17:1-9. Ref. Jan.1953. 56.9 So3

62087 MATIĆ, I. Synthetic agents for the improvement of soil structure. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):18. Mar.1953. 21.5 V87

62088 MORITA, Y., and NISHIDA, T. Studies on physical properties of soils in relation to fruit tree growth. II. (In Japanese.) Hort. Soc. Japan. J. 21:209-215. Mar.1953. 87 H78
English summary.

62089 MOROJELE, C. H. M. Grass leys and legumes. The effect of Rhodes grass [Chloris gayana] on crumb structure of sandy soils. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:54-55. 24 J59

62090 NAKAYAMA, R., MASUO, Y., and MURAKAMI, J. Studies on effect of soil moisture on the yield and growth behavior of fiber flax. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:42-46. Feb.1953. 107.6 H68
English summary.

62091 NELSON, M. W., WILM, H. G., and WORK, R. A. Soil priming in relation to snow surveys and flood regulation. Amer. Geophys. Union. Trans. 34:240-248. Apr.1953. 330.9 Am3

62092 PALMER, C. B. What will your land grow? Wesfarmers News 1(6):19. Feb.26,1953. 23 W51
Moisture conditions.

62093 PAVAGEAU, M. After all, what is krilium? (In Portuguese.) Lavoura 57:36-37. Jan./Feb.1953. 9.2 L39

62094 RANEY, W. A. Soil aggregate stabilizers. Soil Sci. Soc. Amer. Proc. 17:76-77. Jan.1953. 56.9 So3

62095 SHERWOOD, L. V., and ENGIBOUS, J. C. Status report on soil conditioning chemicals. II. Soil Sci. Soc. Amer. Proc. 17:9-16. Ref. Jan.1953. 56.9 So3

62096 SLATER, C. S. Effect of sample drying on the determination of the water-stability of soils. Soil Sci. Soc. Amer. Proc. 17:75-76. Ref. Jan.1953. 56.9 So3

62097 TANAKA, K. On the seepage through a dike. (In Japanese.) Saga U. Agr. B. 1:85-95. Oct.1952. 107.6 Sa13
English summary.

62098 TANAKA, K. On the seepage through a tableland. (In Japanese.) Saga U. Agr. B. 1:67-84. Oct.1952. 107.6 Sa13
English summary.

62099 TOOGOOD, J. A., and PETERS, T. W. Comparison of methods of mechanical analysis of soils. Canad. J. Agr. Sci. 33:159-171. Ref. Mar./Apr.1953 7 Sci2

62100 TOTH, S. J. Present status of soil conditioners. N. J. State Hort. Soc. Hort. News 34:2655,2657. Apr.1953. 81 N46

62101 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Soil-moisture measurement with the fiberglas instrument. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 128,48 p. Feb.1953. 1.9 F7624O

62102 WEEKS, L. E., and COLTER, W. G. Krilium soil conditioner—preliminary results of field erosion control tests. Ohio. State U. Short Course Roadside Devlpmt. 11:137-145. 1952. 288.9 Oh3

62103 WELLS, C. B. Soil monoliths—seeing the soil profile. Austral. Inst. Agr. Sci. J. 19:50-52. Mar.1953. 23 Au74

62104 ZAHAROPOULOS, I. Artificial means of reconditioning the soil. (In Greek.) Phone ton Synetairismon 92:2463-2464. Mar.1953. 280.28 P49

Soil Chemistry and Mineralogy

62105 ADAMS, F., and CONRAD, J. P. Transition of phosphite to phosphate in soils. Soil Sci. 75:361-371. May 1953. 56.8 So3

62106 ALADJEM, R., and PISSOT, P. Une méthode pratique et rapide d'analyse des terres. Feuilles Agr. 11(78):15-22. Jan./Mar.1953. 24 F43

62107 ALBAREDA, J. M., ALEIXANDRE, V., and FERNANDEZ, T. Influencia de la composición mineralógica de las arcillas y de los cationes de cambio en la oxidación catalítica del alcohol etílico en fase vapor. An. de Edafología y Fisiol. Veg. 12:89-140. Ref. Feb.1953. 506 Sp12
English summary.

62108 ALLISON, F. E., DOETSCH, J. H., and ROLLER, E. M. Availability of fixed ammonium in soils containing different clay minerals. Soil Sci. 75:373-381. Ref. May 1953. 56.8 So3

62109 ASLYNG, H. C. Exchangeable potassium in the soil. (In Danish.) Tidsskr. f. Landøkon. 4:155-165. Apr. 1953. 11 T43
English summary.

62110 BAILEY, R. W. Composition of the organic fraction of the Waikato and Hauraki peats. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:421-429. Ref. Feb. 1953. 514 N48A

62111 BAILEY, R. W. Composition of the soil-organic-matter complex in pumice soils of the Taupo ash shower. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:415-420. Feb.1953. 514 N48A

62112 BARBER, S. A. Boron deficiency in Indiana soils. Ind. Agr. Expt. Sta. C. 387,2 p. Mar.1953. 100 In2P
Includes effects on alfalfa.

62113 BEAVERS, A. H., and LARSON, B. L. Electrophoresis of clays by the Schlieren moving boundary procedure. Soil Sci. Soc. Amer. Proc. 17:22-26. Ref. Jan.1953. 56.9 So3

62114 BINGEMAN, C. W., VARNER, J. E., and MARTIN, W. P. The effect of the addition of organic materials on the decomposition of an organic soil. Soil Sci. Soc. Amer. Proc. 17:34-38. Ref. Jan.1953. 56.9 So3

62115 BIRCH, H. F. Phosphate response, base saturation and silica relationships in acid soils. J. Agr. Sci. 43:229-235. Apr.1953. 10 J822

62116 BONAZZI, A. Consideraciones geoquímicas sobre las aguas de la Laguna de Valencia y sobre los suelos del Valle de Aragua. Acta Cient. Venezol. 3:182-188. Ref. Sept./Oct.1952. 475 Ac83
English summary.

62117 BRUIN, P. Importance of the Soil and Plant Testing Laboratory to agriculture and agricultural research. (In Dutch.) T. N. O.-Nieuws 8:124-130. Apr. 1953. 475 T11

62118 CHANG, A. T., and SHERMAN, G. D. The nickel content of some Hawaiian soils and plants and the relation of nickel to plant growth. Hawaii. Agr. Expt. Sta. Tech. B. 19,25 p. Ref. Mar.1953. 100 H313T

62119 CHAVES, R. Los elementos esenciales primarios en el suelo y en la planta. I. Agr. Trop. 9(4):47-52. Apr.1953. 26 Ag8
This section on nitrogen.

62120 CHENG, K. L., and BRAY, R. H. Two specific methods of determining copper in soil and in plant material. Analyt. Chem. 25:655-659. Ref. Apr.1953. 381 J825A

62121 CLARENS, J., and LACROIX, J. Le potassium et le sol: le potassium assimilable. Acad. des Sci. Compt Rend. 236:1600-1602. Apr.20,1953. 505 P21

62122 COLLIER, D. Premiers essais comparatifs de nitrification à température constante en sol argilo-calcaire et en sol léger acide. Acad. d'Agr. de France. Compt. Rend. 39:195-199. Feb.11/18,1953. 14 P215Bc

62123 DESAI, S. V., and SUBBIAH, B. V. Availability of nitrogen in soils and manures. Indian J. Agr. Sci. 22: 167-173. June 1952. 22 Ag83I

62124 DRAGHICCHIO, F. Methane and agriculture. (In Italian.) Mercanzia 8(2/3):25-27. Feb./Mar.1953. 287 B635
Damage to crops by methane waste water.

62125 DYAL, R. S. Mica leptyls and wavellite content of clay fraction from Gainesville loamy fine sand of Florida. Soil Sci. Soc. Amer. Proc. 17:55-58. Ref. Jan. 1953. 56.9 So3

62126 ENGE, G. Staatliche moorversuchsstation, Bremen. (In Swedish.) Beten-Vallar-Mossar 5:29-30. Mar.1953. 11 B46

62127 GRAHAM, E. R. Soil mineralogy as an index to the trace-element status of some Australian soils. Soil Sci. 75:333-343. Ref. May 1953. 56.8 So3

62128 GRIGG, J. L. Determination of the available molybdenum of soils. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:405-414. Ref. Feb.1953. 514 N48A

62129 HAASJES, K. H. S., and SISSINGH, H. A. An experiment for determining the depth of penetration of various phosphates with the aid of P^{32}. Netherlands J. Agr. Sci. 1:15-26. Feb.1953. 12 N3892

62130 HOPKINS, D. P. Overcoming phosphate "fixation." Com. Grower 2991:865-866. Apr.23,1953. 80 F941

62131 HOROWITZ, A. Determinação fotométrica das bases trocáveis do solo [Photometric determination of base exchange in soil]. Brazil. Dept. Nac. de Obras Contra as Sêcas. P. 151,32 p. Ref. 1952. 9.2 B73
English summary.

62132 HORSTMAN, H. C. Teach soil testing in the field! Co. Agent. & Vo-Ag Teacher 9(5):42-43. May 1953. 275.28 N213

62133 KARIM, A. A method for the determination of free iron oxide in soil & clay. Pakistan J. Forestry 3:48-50. Ref. Jan.1953. 99.8 P17

62134 KETCHESON, J. W., and BRAY, R. H. Adsorbed phosphorus in high-lime Ontario soils. Canad. J. Agr. Sci. 33:141-146. Ref. Mar./Apr.1953. 7 Sci2

62135 KONEMANN, E. Das basen-säure-verhältnis und der kalium-calzium-antagonismus bei boden, pflanze, tier und mensch als kriterium der physiologischen und biologischen vorgänge im organismus und der nahrung mit bezug auf die gesundheitsschädigung hohen kalianteiles. Bionomica 4:52. (Cont.) Apr.1953. 463.8 B52

62136 KONEMANN, E. Das basen- säure- verhältnis und der kalium- calzium- antagonismus bei boden, pflanze, tier und mensch als kriterium der physiologischen und biologischen vorgänge im organismus und der nahrung mit bezug auf die gesundheitsschädigung hohen kalianteiles. Bionomica 4:68-69. (Cont.) May 1953. 463.8 B52

62137 MALTERRE, R. L'analyse des terres et son interprétation. Terre d'Oc 32:124-131. Apr.1953. 14 Ar5

62138 NAKAHIRA, M. On the crystal structure of montmorillonite, with some references to other clay minerals. Sci. Res. Inst. J. 46:268-287. Dec.1952. 513 T577

62139 NIESCHLAG, F. Was ist mit den böden im Weser-Ems-gebiet? Landwirtbl. Weser-Ems 100:458-459. Apr.23,1953. 18 L2345
Analysis.

62140 OHLROGGE, A. J. The Purdue soil and plant tissue tests. Ind. Agr. Expt. Sta. B. 584,26 p. Dec.1952. 100 In2P

62141 OLSON, R. V. A turbidimetric potassium determination affected little by temperature. Soil Sci. Soc. Amer. Proc. 17:20-22. Jan.1953. 56.9 So3

62142 OPITZ, K. Über den einfluss der kalisalze auf den chemischen zustand des bodens. Deut. Export, July 1952:3-13. 57.8 D48
English summary, p. II.

62143 OWEN, G. Determination of available nutrients in Malayan soils. Rubber Res. Inst. Malaya. J. 14:109-120. Mar.1953. 78.9 R824J

62144 PIERCE, R. S. Oxidation-reduction potential and specific conductance of ground water: their influence on natural forest distribution. Soil Sci. Soc. Amer. Proc. 17:61-65. Ref. Jan.1953. 56.9 So3

62145 QUASTEL, J. H., and SCHOLEFIELD, P. G. Arsenite oxidation in soil. Soil Sci. 75:279-285. Ref. Apr.1953. 56.8 So3

62146 ROBINSON, W. O., and ALEXANDER, L. T. Molybdenum content of soils. Soil Sci. 75:287-291. Ref. Apr.1953. 56.8 So3

62147 SCHACHTSCHABEL, P. Bodenzusammensetzung und fruchtbarkeit. Übersicht 4:333-337. Apr.1953. 18 Ub3

62148 SMITH, F. W., and COOK, R. L. A study of the relationship between chemically available phosphorus and plant growth response on several Michigan soils. Soil Sci. Soc. Amer. Proc. 17:26-30. Ref. Jan.1953. 56.9 So3

62149 STALE, J. Etude du sol. Agenda de l'Agr. et du Vigneron 1953:216-219. 30.3 Ag33

62150 STEVENSON, F. J., VAN WINKLE, Q., and MARTIN, W. P. Physicochemical investigations of clay-adsorbed organic colloids. II. Soil Sci. Soc. Amer. Proc. 17:31-34. Ref. Jan.1953. 56.9 So3

62151 TEDROW, J. C. F., and WILKERSON, A. S. Weathering of glacial soil material. Soil Sci. 75:345-353. Ref. May 1953. 56.8 So3

62152 VLAMIS, J. Acid soil infertility as related to soil-solution and solid-phase effects. Soil Sci. 75:383-394. Ref. May 1953. 56.8 So3

62153 WALKER, T. W. Soil testing. Canterbury Chamber Com. Agr. B. 283,4 p. Feb.1953. 23 C162

62154 ZEZSCHWITZ, E. VON. Zur frage der festlegung von phosphorsäure im boden. Phosphorsäure 13:117-144. Ref. 1953. 57.8 P563

Soil Biology

62155 BOTTCHER, K. Humusproblem und mikroorganismen. Deut. Landwirt. 4:138-141. Ref. Mar.1953. 18 D4822

62156 CHALVIGNAC, M. A. Mésure des pouvoirs amylolytique et protéolytique des terres en aérobiose. Inst. Pasteur. Ann. 84:816-819. Apr.1953. 448.3 An75

62157 DAITZ, J. Measurement of CO_2 output of soil micro-organisms. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:50-53. 24 J59

62158 DEPOUX, R. Influence de divers antibiotiques sur la morphologie des Azotobacter. Inst. Pasteur. Ann. 84:641-645. Mar.1953. 448.3 An75

62159 DEPOUX, R. Sur l'utilisation des antibiotiques pour l'isolement en culture pure des Azotobacter à partir de la terre. Inst. Pasteur. Ann. 84:645-647. Mar. 1953. 448.3 An75

62160 FRANZ, H. Die nützlinge und schädlinge des bodens. Pflanzenarzt 6(spec.no.3):4-5. Apr.1953. 464.9 P482

62161 GOERGES, F. C. Drillers of the soil. Camp Fire Girl 32(9):12. May 1953. 275.8 G932
Earthworms.

62162 GOSS, O. M. The testing of bacterial strains used in the inoculation of legumes. West. Austral. Dept. Agr. J. (ser.3)2:85,87-91. Jan./Feb.1953. 23 W52J

62163 GRAY, E. A. The master of life. Country Life [London] 113:1349-1350. Apr.30,1953. 80 C83
Bacteria, chiefly in soil.

62164 HESSAYON, D. G. Fungitoxins in the soil. I. Historical. Soil Sci. 75:317-327. Ref. Apr.1953. 56.8 So3

62165 HESSAYON, D. G. Fungitoxins in the soil. II. Trichothecin, its production and inactivation in unsterilized soils. Soil Sci. 75:395-404. Ref. May 1953. 56.8 So3

62166 JOSHI, N. V., and KELKAR, B. V. The role of earthworms in soil fertility. Indian J. Agr. Sci. 22:189-196. June 1952. 22 Ag83I

62167 LAUDELOUT, H. Report on soil microbiology in the United States. n.p.,U. S. Mutual Security Agency. Spec. Mission Belgium & Luxembourg Econ. Coop.,1952. 21 p. 173.2 M98Rs

62168 MOTA, F. S. DA. A small contribution to the microbiological study of the soils of Pelotas—the Azotobacters. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:348-355. Oct./Dec.1952. 9.2 R325

62169 SMIT, J., and WIERINGA, K. T. Microbiological decomposition of litter. Nature [London] 171:794-795. May 2,1953. 472 N21

62170 SPENCER, J. F. T., and NEWTON, J. D. Factors influencing the growth and survival of Rhizobia in humus and soil cultures. II. Canad. J. Bot. 31:253-264. Ref. May 1953. 470 C16C

62171 STEVENSON, I. L. Production of antibiotics in soil by selected antagonists. (Abs.) Rev. Canad. de Biol. 11:512. Mar.1953. 442.8 R325

62172 STIVEN, G. Enzymic activity as a measure of microbial activity in soils taken from various stages of the secondary grassland succession. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:47-49. 24 J59

62173 STIVEN, G. Rates of nitrification in soils taken from plant communities on the Transvaal highveld. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:44-47. 24 J59

62174 TCHAN, Y. T. Studies of N-fixing bacteria. I-II. Linn. Soc. N. S. Wales. Proc. 77:89-97. Ref. 1952. 514 Sy2
I, A note on the estimation of Azotobacter in the soil; II, The presence of aerobic non-symbiotic nitrogen-fixing bacteria in soils of the Sydney District.

62175 VIRTANEN, A. I. Über die bedeutung der biologischen stickstoffbindung in der landwirtschaft. Suomen Kemistilehti 26 B:49-53. 1953. 385 Su7

62176 WENSLEY, R. N. Microbiological studies of the action of some selected soil fumigants. Canad. J. Bot. 31:277-308. Ref. May 1953. 470 C16C

Soil-Plant-Animal Relationships

62177 DAUDT, O. Land, fertilizers, and health. (In Portuguese.) Orientação Econ. e Financ. 10(112):35-36, 38,40,54-56,58. Jan.1953. 280.8 Or42

62178 HILPOLTSTEINER, L. Mangelerscheinungen in boden, pflanze und tier. Deut. Landwirt.-Gesell. Mitt. 68:383-385. Apr.16,1953. 18 N39

62179 PASTOUS, S. Land, fertilizers, and health. (In Portuguese.) Orientação Econ. e Financ. 10(113):31-32,34. Feb.1953. 280.8 Or42

62180 VICKERY, K. O. A. Positive health and the relationship of man to his living environment. Roy. Sanit. Inst. J. 73:229-238. May 1953. 449.9 R812
Chiefly soil, plant, animal relations.
Includes discussion.

Soil Genesis, Formation, Classification, and Mapping

62181 ATKINSON, H. J., GILES, G. R., and MACLEAN, A. J. Fertility studies on soil types. II. The physical and chemical composition of soils from Carleton and Grenville Counties in Ontario. Canad. J. Agr. Sci. 33:116-124. Ref. Mar./Apr.1953. 7 Sci2

62182 BONNET, J. A. Regrouping soils of Puerto Rico convenient for sugarcane work. Sugar J. 15(12):52, 54-56. May 1953. 65.8 Su391

62183 ĆIRIĆ, M., PANTOVIĆ, M., and BABOVIĆ, D. A study on the Podzol soil in northwestern Metohija. (In Serbo-Croatian.) Zeml. i Biljka 1:115-134. Ref. May/Aug.1952. 56.8 Z42
English summary.

62184 FINK, J. Neue bodenkartierungen des in- und auslandes. Bodenkultur 6:297-304. 1952. 19 B635

62185 GOTZINGER, G. Gefährdete kulturflächen im grünkarst. Landwirtschaft 7/8:128-130. Apr.1953. 19 L235
Austria.

62186 HOLLSTEIN, W. Die bodenkartierung im Emsland. Praxis u. Forsch. 5:80-83. Apr.20,1953. 18 P89

62187 KASINATHAN, S., and SINGH, S. Studies of the soils of the Gangetic alluvium. I. Banaras Hindu U. J. Sci. Res. 2:210-218. 1951/52. 330.9 B43

62188 KOVAČEVIĆ, P., and ŽIVAN, M. Beitrag zur agropedologischer karte des bezirksgebietes Sisak. (In Serbo-Croatian.) Zeml. i Biljka 1:19-37. Ref. May/Aug.1952. 56.8 Z42
German summary.

62189 NAGATA, M., and MIYAZAKI, Y. Geological character of soils in Japan. (In Japanese.) Saga U. Agr. B. 1:35-46. Ref. Oct.1952. 107.6 Sa13
English summary.

62190 NAGATA, T., MATSUDA, K., and OTSUKA, K. Studies on the diluvial soils of Iwatahara, Shizuoka, central Japan. I-II. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:216-238. Ref. 1952. 107.6 Iw92
I, by T. Nagata, and K. Matsuda; II, by K. Otsuka and T. Nagata.

62191 ROGERS, O. C., and others. Soil survey; Noble County, Indiana. U. S. Soil Conserv. Serv. Soil Survey 1940(8),127 p. Apr.1953. 1 So32F
P. T. Veale, S. Myers, J. E. Combs, and G. H. Robinson, joint authors.

62192 SCHULTE-WULWER. Die odlandkartierung. Praxis u. Forsch. 5:77-79. Apr.20,1953. 18 P89
In Ems.

62193 SHRODE, R., and LAMAR, J. E. Sands and silts of extreme southern Illinois; a preliminary report. Ill. State Geol. Survey. C. 184,28 p. 1953. 406 IL6C

62194 U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Remarks on classification and correlation of soils, by R. W. Simonson. Washington,1953. 4 p. 1.965 A2R28

62195 WHITE, G. W. Sangamon soil and early Wisconsin loesses at Cleveland, Ohio. Amer. J. Sci. 251:362-368. Ref. May 1953. 470 Am34

SOIL MANAGEMENT

62196 ALARCON CH., P. J. Cultive sin quemar. Almanaque Creditario 10:73-78. 1953. 9.4 AL6

62197 BADEN, W. Vom ärmsten, physikalisch ungünstigsten odland zum ertragreichen und ertragssicheren neuland. Praxis u. Forsch. 5:90-94. Apr.20,1953. 18 P89
In Ems, Germany.

62198 BASU, J. K., REGE, N. D., and DESHPANDE, R. P. The role of phosphate in dry land agriculture. Poona Agr. Col. Mag. 43:147-150. Nov.1952/Feb.1953. 22 P79

62199 BOSTICK, V. The influence of vegetation on water yield. N. Mex. Stockman 18(3):12,100. Mar.1953. 49 N462
Watersheds.

62200 BOWERS, A. H. Soil science for superintendents. Golf Course Rptr. 21(3):24-26. May 1953. 60.18 G83

62201 BRAUCHLE, A. Bedenken gegenüber unbiologischen landbaumethoden des landbaues. Bionomica 4:73-74. May 1953. 463.8 B52

62202 CHEVRETTE, J. E. Les façons culturales. Ferme 14(8):39-41. Apr.1953. 7 F38
Chiefly soil preparation.

62203 CHINO, T., ŌNO, T., and SUGIMURA, J. Soil management in the sloping orchards. (In Japanese.) Hort. Soc. Japan. J. 21:193-201. Mar.1953. 87 H78
English summary.

62204 COLBY, H. From weeds to wealth in Iowa. Org. Farmer 4(10):28-31. May 1953. 57.8 Or32
Organic farming.

62205 EJSING, G. Investigations of the causes of and elimination of soil fatigue for fruit trees. (In Danish.) Gart.-Tid. 69:183-185. Apr.27,1953. 80 G192

62206 FASSITELLI, S. New methods of correcting clays. (In Italian.) Terra e Sole 128:136-137. Apr.1953. 16 T273

62207 FEARN, B., and HOCH, W. New soil management builds golden acres. Org. Farmer 4(9):12-13. Apr. 1953. 57.8 Or3

62208 GISCARD, R. La revivification des terres désertifiées au Maroc. Chambre d'Agr. de Casablanca. B. 24(262):7-9,11. Ref. Feb.1953. 24 C26

62209 GLEGHORNE, J. W. An analogy. The soil and the populace. Farming So. Africa 28:52. Feb.1953. 24 So842
Soil management.

62210 GLIEMEROTH, G. Bearbeitung und düngung des unterbodens in ihrer wirkung auf wurzelentwicklung, stoffaufnahme und pflanzenleistung. Z. f. Acker- u. Pflanzenbau 96:1-44. Ref. Mar.1953. 18 J825

62211 GLUE, D. I. Stabilising sand country at Flock House Farm of Instruction. New Zeal. J. Agr. 86:164-165, 167,169. Feb.16,1953. 23 N48J

62212 GUTFELD, S. P. "Organic farming"—fact and fiction. (In Hebrew.) Hassadeh 33:317. Feb./Mar.1953. 26 H27

62213 HALL, J. S. It's good husbandry, good sense and sound science to raise fertility in these ways, but I shall continue to use artificials as well. Dairy Farmer [Ipswich] 26(5):18-19. May 1953. 44.8 D1414
Organic farming.

62214 HERWEYER, S. War damages to land. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 16:49-54. 1952. 12 N384
Soil management.

62215 LAGOS U., J. A. Enmiendas o mejoras de las tierras arables. Agr. Costarricense 11:66-68. Mar.1953. 8 Ag895

62216 LAUENSTEIN, J. D. Gedanken zur erschliessung des Emslandes. Praxis u. Forsch. 5:66-69. Apr.20, 1953. 18 P89
Reclamation.

62217 MEER, K. VAN DER, and PFEIFFER, J. C. Bad management of surface minerals. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 16:7-13. 1952. 12 N384

62218 MESU, F. P. Wrong agricultural utilization of soil. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 16:14-28. 1952. 12 N384
Soil management.

62219 MONTGOMERY, G. A., and INMAN, W. D. Trap that rain! Hike that yield! Capper's Farmer 64(6): 16-17,52-53. June 1953. 6 M693

62220 MULLER, J., and BILDERLING, G. DE. Les méthodes culturales indigènes sur les sols équatoriaux de plateau. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 2:21-30. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb.1953. 24 K83
Soil management.

62221 NICHOLSON, D. W. F. Progress of the pioneers. 5. Organic farm school. Farmer [Shaftesbury] 8:13-14. Spring 1953. 10 F2282
Great Britain.

62222 ROSEGGER, S. Probleme der bodenfruchtbarkeit unter berücksichtigung der technisierung der landwirtschaft. Deut. Agrartech. 3:77-80. Ref. Mar. 1953. 58.8 D482

62223 SEARS, P. D., and THURSTON, W. G. Effect of sheep droppings on yield, botanical composition and chemical composition of pasture. III. Results of field trial at Lincoln, Canterbury, for the years 1944-1497. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:445-459. Ref. Feb.1953. 514 N48A

62224 SIPKES, C. Proper soil management in the dunes. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:101-106. Apr.1953. 12 N282

62225 SNIDER, H. J. Constructive or destructive farming. Org. Farmer 4(10):20-21. May 1953. 57.8 Or32

62226 STERNBERG, Y. Are we really "conquering" the wastes of the Negev. (In Hebrew.) Hassadeh 33:315-316. Feb./Mar.1953. 26 H27

62227 STUART, A. Development of browntop country in the South Island. New Zeal. J. Agr. 83:155,157, 159,161,163. Feb.16,1953. 23 N48J
Reclamation.

62228 VEEN, J. VAN, and others. Results of certain forms of bad use. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 16:29-48. 1952. 12 N384
J. C. Pfeiffer, H. C. de Roo, S. B. Hooghoudt, D. J. Pattje, and J. Schelling, joint authors.
Soil management.

62229 WEIR, R. Tree stumps and mineral deficiencies. Trees 16:149-151. Spring 1953. 99.8 T714

62230 WHITEHEAD, S. B. Reclaiming salt-sick soil. Gard. Chron. 133:160-161. May 2,1953. 80 G162

62231 WOHLRAB, B. Rekultivierung von sand- und kiesgruben. Wasser u. Boden 5:67-69. Mar.1953. 56.8 W28

Soil Fertility

62232 ABBOTT, B. T. Phosphorus, the master key. Livestock Wk. 7(26):24,61. May 1953. 49 L753

62233 AKCELRUD, M. Aspects of the problem of soil enrichment with organic matter. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:371-372. Oct./Dec.1952. 9.2 R325

62234 ALABAMA. AGRICULTURAL EXPERIMENT STATION. General fertilizer recommendations for Alabama. Ala. Agr. Expt. Sta. Spec. L.,16 p. Mar.1953. 100 AL1S

62235 ALDRICH, D. G., COONEY, J. J., and GOULBEN, B. Fertility trials made for avocados. Calif. Citrog. 38:258-260. May 1953. 80 C125

62236 ALICANTE, M. M. Soil management and sugar cane farming. Sugar News 29:112-115. Mar.1953. 65.8 Su36
Philippines.

62237 ALTONA, R. E. Experiments with fertilizers and weedkillers on maize at Frankenwald in 1951-52. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:35-43. 24 J59

62238 ALVELID, S. The humus content plays an important role. (In Swedish.) Lantmannen 37:375-376. Apr. 18,1953. 11 L234

62239 BARBIER, M. G. Le problèm de l'humus. Terre d'Oc 32:137-145. Apr.1953. 14 Ar5

62240 BARTRAM, D. Interpreting soil tests. West. Fruit Grower 7(5):24. May 1953. 95.8 G762
In central Washington.

62241 BEAR, F. E. Bigger and better crops. Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:32-37. Apr. 1953. 281.8 Am32
Fertilizers.

62242 BEAR, F. E. How a soils man looks at an orchard. N. J. State Hort. Soc. Hort. News 34:2645,2654. Apr.1953. 81 N46

62243 BEATTIE, J. M. Feeding plants with foliage sprays. Horticulture 31:209,217. May 1953. 80 H787

62244 BEERS, Z. H. Up to 4 times your money back in 120 days. Successful Farming 51(5):38-39. May 1953. 6 Su12
Directions for using nitrogen fertilizer with cost per acre.

62245 BEMELMANS, J. Phosphate fertilizers. (In Portuguese.) Soc. Rur. Bras. Rev. 33(385):24-26. Ref. Feb.1953. 9.2 B733

62246 BENTHIEN, A. They're showing how to make first class grassland out of second class soil. Nowest. Farm News 36(10):3,6. May 18,1953. 275.293 N81

62247 BERG, B. Der standort der pflanze im gartenbaulichen betriebe. Saatgut-Wirt. 5:102-104. (Cont.) Apr.1953. 61.8 Sa1

62248 BERGER, K. C. Result of the 1953 fertility experiments. Badger Common 'Tater 6(4):4-5. Apr.1953. 75.8 B14
Fertilizers for potatoes.

62249 BLUME, J. M., and HALL, N. S. Calcium uptake by tobacco from band applications of fertilizer materials. Soil Sci. 75:299-306. Apr.1953. 56.8 So3

62250 BOER, H. W. DE. Soil acidity in the culture of Mesembryanthemums. (In Dutch.) Succulenta 3:38-42. May/June 1953. 450 Su12

62251 BORASIO, L. Fertilizers in slowly soluble form for rice. (In Italian.) Riso 2(4):14-18. (Cont.) Apr.1953. 59.8 R49

62252 BRISSON, J., and CEILLIER, J. L. Au sujet de la potasse. Elites (n.s.)45:23-26. Feb.1953. 14 EL4
Requirements for plants.

62253 BROMFIELD, L. Should I use regular or quick-dissolving plant food? House Beautiful 95(5):186,286-287. May 1953. 296.8 H81

62254 BUCHINGER, A. Höhere kartoffelernten durch richtige düngung. Salzburger Bauer 8(17):10-12. Apr.23, 1953. 19 Sa3

62255 BURSON, P. M., and ROST, C. O. Feed your corn for higher yields. Minn. Farm & Home Sci. [Minn. Sta] 10(3):4,15. May 1953. 100 M668

62256 BURSON, P. M., ROST, C. O., and JONES, H. E. Feed your corn for x-tra yields. Minn. U. Agr. Ext. Soil Ser. 36,10 p. n.d. 275.29 M66So

62257 BUTTERFIELD, N. W. Soil preparation, sterilization and fertilizer for the new carnation crop. Carnation Chats 1(10):1. May 5,1953. 80 C212

62258 CALDWELL, A. C. Fertilizer for 1953. Hormel Farmer 17(7):6-8. Apr.15,1953. 49 H782
Minnesota.

62259 CAPO, B. G., SAMUELS, G., and BONNET, J. A. Why foliar diagnosis? Sugar J. 15(12):48-50,80. May 1953. 65.8 Su391
Sugarcane.

62260 CARBERY, J. L. Leaf feeding of Cymbidiums. Orchid Digest 17:76-78. Mar./Apr.1953. 80 Or172

62261 CARNES, A. E. Orchids need fertilizer, too. N. J. Agr. 35(2):8-9. Mar./Apr.1953. 275.28 N46

62262 CHADWICK, L. C. Liquid fertilizer as applicable to roadside management. Ohio. State U. Short Course Roadside Devlpmt. 11:131-136. 1952. 288.9 Oh3

62263 CHAPMAN, H. D. Some soil and plant nutritional research with special reference to citrus. Citrus Leaves 33(5):8-9,26,33. May 1953. 80 C492

62264 CHATEAU, R. P. Agriculture tropicale et fertilisation. Belgium. Min. des Colon. B. Agr. du Congo Belge 44:41-66. Ref. Feb.1953. 24 K83

62265 CLARK, F. Fertilizer tests with flue-cured tobacco. Fla. Agr. Expt. Sta. B. 512,27 p. Jan.1953. 100 F66S

62266 COÏC, Y. La nutrition et la fertilisation azotées du blé d'hiver. II. B. des Engrais 350:47-51. Mar.1953. 57.8 B87

62267 COLIN, L. L. Soil fertility and crop production. Good Husb. 3(7):8-9. Mar.1953. 24 G59

62268 CONSTABLE, D. H. Some principles for manuring rubber in Ceylon. Rubber Res. Inst. Ceylon. Q. C. 28:27-29. Dec.1952. 78.9 C33Q

62269 COOKE, G. W., and DADD, C. V. Fertilizer placement experiments on threshed peas. Gt. Brit. Min. Agr. Agriculture 60:34-38. Apr.1953. 10 G79J
In Great Britain.

62270 COOK, R. L. Our soils need more lime. Rock Prod. 56(4):129-130. Apr.1953. 299.8 R59

62271 CRAWFORD, A. Aerial topdressing in Southland and Otago. New Zeal. Farmer 74(2):3,10. Mar.26, 1953. 23 N484

62272 DABADGHAO, P. M., SEN, S., and BAINS, S. S. Ley farming experiment. I. Effect of different fertilizers on the yield and quality of Rhodes grass (Chloris gayana) and lucerne (Medicago sativa) mixtures. Indian J. Agr. Sci. 22:175-181. Ref. June 1952. 22 Ag83I

62273 DAVIDSON, O. W. What's the news on liquid fertilizers? Home Gard. 21(5):41-44. May 1953. 80 H756

62274 DAVIS, J. F. Methods and rates of application of fertilizers for sugar beets grown on organic soils. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:11-17. 1953. 66.9 Am353

62275 DECKERS, J. Problèmes forestiers de l'Ardenne en rapport avec l'évolution des sols. Soc. Roy. Forest. de Belg. B. 60:156-163. Mar.1953. 99.9 B83

62276 DENNIS, E. J., and CHESNIN, L. The availability of phosphorus to alfalfa in the horizons of four eastern Nebraska soils. Soil Sci. Soc. Amer. Proc. 17: 49-52. Ref. Jan.1953. 56.9 So3

62277 DEPARDON, MAUVISSEAU, and BURON. Effets résultant de pulvérisations de solutions d'urée sur le feuillage de la vigne. Acad. d'Agr. de France. Compt. Rend. 39:193-195. Feb.11/18,1953. 14 P215Bc

62278 DOLSON, D. D. Nutritional studies with sugar beets. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:2-5. 1953. 66.9 Am353

62279 DOURNAC, L. Mission "Utilisation des Engrais et Amendements" aux U. S. A.; sols et climat des régions visitées. B. des Engrais 350:44-46. Mar.1953. 57.8 B87

62280 DUMENIL, L. Let's face facts on fertilizers! Iowa Farm & Home Register, 28-H-29-H. Apr.5,1953: 28-29. 6 Io94

62281 ENFIELD, G. H. Results of fertility experiments in Jennings County, 1942-1947 and 1948-1950. Purdue U. Agr. Ext. Mimeo. AY-120b,rev.,4 p. June 1952. 100 In2Agr
Various fertilizers used.

62282 ENZMANN, J. Zur frage der kainit-düngung. Deut. Export, July 1952:38-40. 57.8 D48
English summary, p. III.

62283 ESCRITT, J. R. Soil fertility and soil analysis in turf management. Sports Turf Res. Inst. J. 8:150-157. 1952. 60.19 B772

62284 FELBER, G. W. Die stickstoffdüngung der reben. Deut. Weinbau 8:188. Apr.20,1953. 390.8 W432

62285 FITZGERALD, K. The scope of fertilisers. Farmers Annu. 1953:25-26. 10 F2237

62286 FREDERIKSEN, H. Use of nitrogen for grain interplanted with clover. (In Danish.) Jydsk Landbr. 35: 237-239. Apr.9,1953. 11 J99

62287 FREDRIKSSON, L., and BENGTSSON, G. Ekonomisk gödsling och kalkning [Economic fertilizing and liming]. Stockholm,LTs Förlag,1952. 223 p. Ref. 57.3 F872

62288 FRUHSTORFER, A. Woher kommen die beinigen zuckerrüben? Deut. Landwirt.-Gesell. Mitt. 68: 354-355. Apr.9,1953. 18 N39
Soil problems.

62289 GALLAY, R., and STALÉ, J. Tableau récapitulatif des fumures. Agenda de l'Agr. et du Vigneron 1953: 220-227. 30.3 Ag33

62290 GAMMON, N., and BLUE, W. G. The sandy soils of Florida need potash for pastures. Better Crops Plant Food 37(4):25-26,40-41. Apr.1953. 6 B46

62291 GARAUDEAUX, J., and QUIDET, P. 2 + 2 = 5 pour le maïs qui reçoit azote et potasse. Potasse 27:67-69. Apr.1953. 57.8 P84

62292 GARNER, F. H. Mustard. Gt. Brit. Min. Agr. Agriculture 60:84-87. May 1953. 10 G79J
For green manure and for processing.

62293 GONZALEZ, G., and SUAREZ, A. Efecto residual del superfosfato sobre el contenido en P_2O_5 de la avena para forraje. An. de Edafología y Fisiol. Veg. 12: 173-182. Ref. Feb.1953. 506 Sp12
English summary.

62294 GOOR, G. A. W. VAN DE. Results of manuring experiments with different varieties of lowland rice. Landbouw [Bogor] 24:177-189. Apr./June 1952. 22.5 L23
Indonesia.

62295 GRAY, C. Relation of soil and fertilizer nitrogen to yield and composition of corn. Urbana,1953. 5 p. 57.23 G792
Abstract of thesis - University of Illinois.

62296 GROSS, H. D., PURVIS, E. R., and AHLGREN, G. H. The response of alfalfa varieties to different soil fertility levels. Agron. J. 45:118-120. Ref. Mar.1953. 4 Am34P

62297 GROSSMANN, A. Obstbaumfrühjahrsdüngung mit der düngelanze. Salzburger Bauer 8(17):13-14. Apr. 23,1953. 19 Sa3

62298 HABERL, H. Düngung und qualität. Bauer 6(17):4-5. Apr.25,1953. 19 B32
Austria.

62299 HALAIS, P. La fumure de la canne à sucre à l'Ile Maurice. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:140-148. Mar./Apr.1953. 26 R323

62300 HALSEY, C. F., and MACGREGOR, J. M. Fall versus spring fertilizer application, a progress report. Minn. U. Agr. Ext. Soil Ser. 35,7 p. July 1952. 275.29 M66So

62301 HARLER, C. R. Calcium and the acidity of Assam tea soils. Planters' Chron. 48:136-140. Mar.15, 1953. 22 P693

62302 HOBBS, J. A. The effect of spring nitrogen fertilization on plant characteristics of winter wheat. Soil Sci. Soc. Amer. Proc. 17:39-42. Jan.1953. 56.9 So3

62303 HOPKINS, D. P. Fertilisers and grass. Agr. Merchant 33:116-118. Apr.1953. 10 Ag89
Nitrogen, phosphates and potash are used.

62304 HILL, H. Some aspects of fertilizer use for potato production and tuber quality. Better Crops Plant Food 37(4):11-16,46-50. Apr.1953. 6 B46

62305 HUFF, D. A report on liquid fertilizers. Farmer's Mag. 50(5):19,42-43. May 1953. 7 C165

62306 HUFNAGL, H. Buschwindröschen. Bauer 6(17): 9-10. Apr.25,1953. 19 B32
Anemone nemorosa as an indicator of soil condition.

62307 IBACH, D. B. Interpreting fertilizer response for better farm management. (Abs.) Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:5-9. Apr.1953. 281.8 Am32

62308 INNES, R. F., and CHINLOY, T. Engrais chimiques et canne à sucre (recherches sur les effets de la potasse). Rev. Internatl. des Prod. Colon. 28:89-91. Apr.1953. 286.8 R326

62309 IOFFE, R. IA. Effect of fertilizers on fiber crops sown on sod and on sod turned under. (In Russian.) Sovet. Agron. 10(11):86-88. Nov.1952. 20 So84

62310 ISAACS, R. L., and HESTER, J. B. Plant nutrients; foliar applications to vegetable crops. J. Agr. & Food Chem. 1:239-240. Apr.29,1953. 381 J8223

62311 JACQUOT, H. D. Annual cropping with nitrogen in the intermediate rainfall areas of eastern Washington. Wash. Agr. Expt. Sta. C. 214,21 p. Mar.1953. 100 W27S

62312 JANNACCONE, A. Nitrogen fertilizers and competition of plants among themselves in "Cannabis sativa L." (In Italian.) Italia Agr. 90:217-222. Mar. 1953. 16 It1

62313 JELENIĆ, Đ. B., and POPOVIĆ, Ž. S. Effect of calcium cyanamide and calcium ammon nitrate on yield and quality of sugar beet. (In Serbo-Croatian.) Zeml. i Biljka 1:51-61. Ref. May/Aug.1952. 56.8 Z42
English summary.

62314 JEX, W. F. C. Fertiliser practice; its importance in sugar cane agriculture. So. African Sugar J. 37: 179,181,183. Mar.1953. 65.8 So8

62315 JOHANNESSON, B. Fertilizers and fertilizer application. (In Icelandic.) Freyr 48:85-87. Mar.1953. 11 F89

62316 JOHANSSON, E. Experiments in potash fertilizing of apple trees in Denmark. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 2:46-47. 1953. 86 Sv2F

62317 JOHANSSON, E. Fertilizing of fruit trees and berry bushes. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 2:39-41. 1953. 86 Sv2F

62318 JOHNSON, G. D. Newest ways to side-dress corn. Successful Farming 51(6):108,110. June 1953. 6 Su12

62319 JONES, S. C. Our best paying soil amendment. Rock Prod. 56(4):130,200. Apr.1953. 299.8 R59
Lime.

62320 JONSSON, A. Pasture culture and use of fertilizers. (In Icelandic.) Freyr 48:88-91. Mar.1953. 11 F89

62321 JOUIS, E. Le laboratoire agricole comme conseiller pour la fumure des prairies. Application à la Haute-Normandie. France. Min. de l'Agr. B. Tech. d'Inform. 77:183-199. Mar.1953. 14 F844B

62322 JULEN, G. Botanical composition of the pasture. (In Swedish.) Lantmannen 37:425-427. May 2, 1953. 11 L234
Effect of fertilizing on the pasture.

62323 KELLER, W. D. From where comes fertility. Org. Farmer 4(10):40-45. May 1953. 57.8 Or32

62324 KELLEY, O. J. Nitrogen in the West. 2. Nitrogen and your dollar. How nitrogen fertilizer increases yields. Reclam. Era 39:96-97,100. May 1953. 156.84 R24

62325 KLEMME, A. W., and ALBRECHT, W. A. Correcting soil deficiencies for more and better forage from permanent pastures. Mo. Agr. Expt. Sta. B. 582, 32 p. June 1952. 100 M693

62326 KLOES, L. J. J. VAN DER. Fertilization of tomatoes. (In Dutch.) Netherlands. Dir. van der Tuin bouw. Meded. 16:151-168. Mar.1953. 86 N384
English summary.

62327 KNOBLICH. Die düngung der kartoffel. Landwirt. Wchnbl. 110A:657-658. Apr.16,1953. 18 L2338

62328 KOFOED, A. D. Use of liquid ammonia. (In Danish.) Jydsk Landbr. 35:302-304. May 7,1953. 11 J99

62329 KOPETZ, L. M. Düngen wir richtig? Die anwendung des handelsdüngers auf dem ackerland. Graz, Stocker,1952. 72 p. 57.2 K83

62330 KRISCHE, P. Die natriumliebenden kulturpflanzen. Deut. Export, July 1952:34-37. 57.8 D48
English summary, p. III.

62331 KRISTIANSSON, S. Can we use more fertilizers and lime? (In Swedish.) Växt-Närings-Nytt 9(2):1-6. 1953. 57.8 V47

62332 KUHNE, G. Wenn die düngung des obstbaumes vernachlässigt wird. Landwirtbl. Weser-Ems 100:482-483. Apr.30,1953. 18 L2345

62333 KUYKENDALL, J. R., and WALLACE, A. Urea nitrogen as foliar spray. Calif. Agr. [Calif. Sta.] 7(3):6. Mar.1953. 100 C12Cag

62334 LANA, E. P. Sweet corn can use fertilizers, too. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:207-208. May 1953. 275.28 Io94

62335 LANDRY, B. Le manque d'éléments mineurs un danger pour les maraîchers. B. des Agr. 35(4):11,27, 74,86. Apr.1953. 7 B872

62336 LANG, A. L. Rock phosphate for direct application—a natural in soil conservation work plans. J. Soil & Water Conserv. 8:21-24,28. Jan.1953. 56.8 J822

62337 LARSSON, C. Better fertilizing—higher hay yields. (In Swedish.) Försök och Forsk. 9:73-75. Oct. 1952. 11 F77

62338 LASSETTER, W. C. The sign language of legumes. Prog. Farmer, Tex. Ed. 68(5):50. May 1953. 6 T311
Signs of mineral deficiencies.

62339 LEDESMA, A. F. DE, and LEDESMA, E. M. DE. Conserving the soil's fertility; the increasing importance of fertilising agents in Argentine agriculture. Rev. River Plate 113(3143):17-20. Apr.10,1953. 286.8 R32

62340 LE NAIL, F. Le rendement en fecule des pommes de terre industrielles; influence des fumures potassiques. Potasse 27:63-66. Apr.1953. 57.8 P84

62341 LESIRE, R. Essai de fumure; premiers résultats. Belgium. Min. des Colon. B. Agr. du Congo Belge 44:67-74. Feb.1953. 24 K83

62342 LINSLEY, C. M. Alfalfa or weeds? Ill. Agr. Assoc. Rec. 31(5):16-17. May 1953. 6 IL62
Use of potash on Illinois soils.

62343 LOBB, W. R. Oversowing and topdressing North Otago hill country. New Zeal. J. Agr. 86:141,143-145. Feb.16,1953. 23 N48J
Phosphate fertilizers and seeds applied by aircraft.

62344 LOIZIDES, P. A. The use of artificial fertilisers. Countryman [Nicosia] 7(2):14-16. Feb.1953. 25 C83
Cyprus.

62345 LUNDBLAD, K. Gödslingens inverkan på vegetation och mark. The influence of fertilizers on vegetation and soil. Sweden. Stat. Jordbrförsök. Meddel. 42, 94 p. Ref. 1952. 104 Up63
English summary.

62346 MARADY, H. Schärdinger versuchsringe. Bauer 6(14):9-12. Apr.4,1953. 19 B32
Fertilizer experiments with pastures and potatoes.

62347 MARTÍNEZ, M. B., and LUGO-LÓPEZ, M. A. Influence of subsoil shattering and fertilization on sugar cane production and soil infiltration capacity. Soil Sci. 75:307-315. Ref. Apr.1953. 56.8 So3

62348 MAURER, K. J. Die obstbaugemässe bodenpflege. Obstbau 72:58-59. (Concl.) Apr.1,1953. 80 Ob73

62349 MIEGE, E. La fumure azotée. Inform. Marocaine 639:4. (Cont.) Apr.11,1953. 281.8 In3

62350 MONTGOMERY, G. A. Double your milk checks—with fertilizer. Capper's Farmer 64(6):25,90. June 1953. 6 M693

62351 MULLER, R., and MAYER-KRAPOLL. Erster bericht über pappel-düngungsversuche im bezirk Köln. Allg. Forstz. 8:234-240. Apr.29,1953. 99.8 AL52

62352 MURAKAMI, K., and SANO, H. Cultivation studies on meadows. II. Effect of top dressing on the chemical composition of orchardgrass (Dactylis glomerata). (In Japanese.) Hokkaido Natl. Agr. Expt. Res. B. 64:61-66. Feb.1953. 107.6 H68
English summary.

62353 MUSHARDT, F. Zuckerrüben auf leichten böden. Deut. Landwirt.-Gesell. Mitt. 68:325-326. Apr.2, 1953. 18 N39

62354 NETHERLANDS. RIJKSLANDBOUWCONSULENTSCHAP, BREDA EN ZEVENBERGEN. Proefveldverslag [Report on field trials], 1951. Breda,1952? 12 N3824
Fertilizer trials.

62355 NICHOL, G. Results from varying dates of application of nitrogen to sugar beets. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:18-20. 1953. 66.9 Am353

62356 NIELSEN, K. F., PRATT, P. F., and MARTIN, W. P. Influence of alfalfa green manure on the availability of phosphorus to corn. Soil Sci. Soc. Amer. Proc. 17: 46-49. Ref. Jan.1953. 56.9 So3

62357 NIENABER, H. Die bedeutung einer gesunden humuswirtschaft. Deut. Landwirt.-Gesell. Mitt. 68:373-374. Apr.16,1953. 18 N39

62358 NISHIKAWA, G., and ICHISHIMA, K. Effect of fertilizing potassium on leaf-quality of bright yellow tobacco. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21: 172-173. Nov.1952. 22.5 C88
English summary.

62359 NOLTE, H. Der einfluss von düngung und sorte auf den spelzengehalt der braugerste. Brauwelt 26:331-332. Mar.30,1953. 390.8 B732

62360 NOORDHOFF, L. J. Soils and scientific soothsaying. Res. & Farming [N. C. Sta.] 10(3):15. Winter 1952. 100 N81R
Predicting the amount of plant food needed for a crop from soil tests.

62361 OGG, SIR W. Soil & manure. Farmers Wk. [London] 38(20):73. May 15,1953. 10 F2226
Great Britain.

62362 PANDYA, P. S., and PATIL, G. G. A review of experiments on green manuring, in the Bombay State. Poona Agr. Col. Mag. 43:140-146. Nov.1952/Feb.1953. 22 P79

62363 PARSONS, J. L., DRAKE, M., and COLBY, W. G. Yield and vegetative and chemical composition of forage crops as affected by soil treatment. Soil Sci. Soc. Amer. Proc. 17:42-46. Ref. Jan.1953. 56.9 So3

62364 PESEK, J., and DUMENIL, L. How much fertilizer pays? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:175-178. Apr.1953. 275.28 Io94
Costs and returns.

62365 PIERRE, W. H. Bankers can help farmers with advice on fertilizers. Nowest. Banker 58(790):18-19, 53-54. May 1953. 284.8 N81

62366 PIERRE, W. H. Corn versus soybeans; how they respond to different fertility levels. Soybean Digest 13(7):16-18. May 1953. 60.38 So9

62367 PIRONE, P. P. Modern gardener; how to use the new high analysis soluble plant foods. Flower Grower 40(6):33-35. June 1953. 80 M72

62368 RADET, E. Etude sur la fumure du colza. Sol 72:392-399. 1952. 14 So4

62369 ROBINSON, D. H. Top dressing for high yields. Farmers Wk. 38(16):62-63. Apr.17,1953. 10 F2226
Nitrogen, potash and phosphate for grain in Great Britain.

62370 ROHMEDER, E. Der einfluss der bodendichte auf das wachstum von pappeljungpflanzen. Allg. Forstz. 8:231-232. Apr.29,1953. 99.8 AL52

62371 ROOD, P. J. What the Ferden Farm experiments are showing. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:77-79. 1953. 66.9 Am353
Fertility level and crop rotation experiments.

62372 SAATHOFF. Bodenpflege im obstbau. Obstbauberatungsring. Mittbl. 8(2):8. Apr.1,1953. 85 Ob72

62373 SCARSETH, G. D. It pays to invest in fertilizer. Agr. Leaders' Digest 34(4):12-13. Apr.1953. 275.28 Am3
Costs and returns.

62374 SCHADE, C. H. Was erzählen uns die pflanzen auf den wiesen? Blatt f. den Melker, p. 2. In Unser Milchvieh 5(4). Apr.1953. 43.8 Un7

62375 SCHOLZ. Noch einige hinweise zur frühjahrsdüngung. Landwirtbl. Weser-Ems 100:433-434. Apr.16, 1953. 18 L2345

62376 SCHOPFLOCHER, R. Un defecto frecuente de nuestros campos. Chacra 23(269):26. Apr.1953. 9 C34
Calcium deficiency in soils.

62377 SCHUHLY, P. Stiefkind grünland. Landwirt. Wchnbl. 143:556. May 2,1953. 18 L2338
Fertilizing in Germany.

62378 SCHULTZE-GROBLEBEN, W. Bordüngung zu rüben und anderen feldfrüchten. Zucker 6:183-186. Apr. 15,1953. 65.8 Z82

62379 SHERMAN, G. D., FOSTER, Z. C., and KANEHIRO, Y. Hawaiian soils need protection. Hawaii Farm Sci. [Hawaii Sta.] 1(5):2,7. Apr.1953. 100 H314
Mulches and cover crops.

62380 SHIBUKAWA, J. Foliage fertilization of apple trees with urea. (In Japanese.) Aomori Apple Assoc. Ser. 23,30 p. Nov.1952? 93.31 Ao53
English summary.

62381 SKULJ, A. Lets fertilize our plantations. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 5: 38-40. Feb.1953. 21.5 Sa1
Yugoslavia.

62382 SMITH, A. M. Anhydrous ammonia has proved itself effective, economical source of nitrogen in few years. Agr. Ammonia News 2(4):5,8,16. Apr.30, 1953. 381 Ag82

62383 SORTEBERG, A. Food and fertilizer requirements of plants and the significance of certain types of soils in plant nutrition. (In Norwegian.) Samvirke [Oslo] 48:240-243. Apr.15,1953. 280.28 Sa4

62384 SOUBIÈS, L., and GADET, R. L'exportation des éléments fertilisants par le maïs. Acad. d'Agr. de France. Compt. Rend. 39:176-178. Feb.11/18,1953. 14 P215Bc

62385 STAUTEMAS, E. Fertilizing of Azalea indica. (In Flemish.) Tuinbouwberichten 17:59,61. Apr.15,1953. 80 T817

62386 STITZ, H. Der landhandel als fachlicher berater. Landwarenkaufmann 12:1-2. In Ernährungsdienst 8(52). May 9,1953. 389.8 Er62
Fertilizer utilization in Germany.

62387 STOEPEL. Auswaschungsverluste und tiefenwirkung von phosphatdüngern. Landwirt. Wchnbl. 110A: 660. Apr.16,1953. 18 L2338

62388 STOJKOVIC, L., and NEJGEBAUER, V. The problems of manuring and tillage in Voyvodina. (In Serbo-Croatian.) Zeml. i Biljka 1:95-114. Ref. May/Aug. 1952. 56.8 Z42
English summary.

62389 SUAB, H. Höhere kartoffelernten durch richtige düngung. Landwirtschaft 7/8:130-131. Apr.1953. 19 L235
Austria.

62390 TOLNER, J. Fertilizing with trace elements. 1. (In Dutch.) Nieuwe Veldbode 19:644. May 7,1953. 12 V542N

62391 UNNERI, D. I. Wild sunn-hemp [Crotalaria juncea] as green manure for coconut gardens. Indian Cent. Coconut Comt. B. 6:131-132. Feb.1953. 77.9 In292

62392 VIANNA E SILVA, M. Soil and fertilizers, factors in the production of rice. (In Portuguese.) Vida Agr. [Lisboa] 16(94):4-5. Mar./Apr.1953. 15.5 V66

62393 WECK, C. Einiges zum diesjährigen kartoffelanbau. Bas-Rhin Agr. 8:197. Apr.25,1953. 14 B29
Chiefly on fertilizing.

62394 WEEKS, W. D. Fertilizers in relation to fruit color. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59: 34-40. 1953. 81 M384
Apples.
Includes discussion.

62395 WELCH, C. L., and LETT, L. Fertilizer in cotton's future. Amer. Plant Food Council. J. 7:8-9,13. Jan./Mar.1953. 57.8 P692

62396 WESTERMARCK, N. Plant nutrition and profit on farms keeping accounts in Middle Sweden. (In Swedish.) Växt-Närings-Nytt 9(2):10-11. 1953. 57.8 V47
Effects on yields.

62397 WIERSMA, D., and MORTLAND, M. M. Response of sugar beets to peroxide fertilization and its relationship to oxygen diffusion. Soil Sci. 75:355-360. May 1953. 56.8 So3

62398 WILHELM. Wie steht es mit der düngung der reben? Bauern-Ztg. 6(13):8. Apr.3,1953. 18 B324
Germany.

62399 WINGEBERG, F. Beobachtungen und versuche mit kupfer und mangan 1952. Landwirtbl. Weser-Ems 100:486. Apr.30,1953. 18 L2345

62400 WOOD, J. R., and others. Effect of source of phosphate on forage yields of pasture vegetation. Tex. Agr. Expt. Sta. Prog. Rpt. 1576,2 p. Apr.30,1953. 100 T31P
C. A. Burleson, R. P. Bates, and E. D. Cook, joint authors.

62401 YOHE, R. S. Farming in Sweden; fertilizer by the ton. Nebr. Farmer 95(10):10,44. May 16,1953. 6 N27

62402 YOHE, R. S. Swedes pile fertilizer on clay. Farmer [St. Paul] Gen. Ed. 71(9):14-15. May 2,1953. 6 F2211
Phosphate, nitrogen for clay soils.

62403 YUKAWA, Y., and HUZII, S. Effects of urea on the growth of Gibberella saubinetii Sacc. and Piricularia oryzae Br. et Cav. Yamaguti U. Facul. Agr. B. 3: 7-14. Ref. 1952. 107.6 Y14
Sprayed on as fertilizer.

62404 ZÜRN, F. Ertrag, pflanzenbestand und wirtschaftlichkeit der düngung auf alpinen wiesen. Bodenkultur 6:305-325. Ref. 1952. 19 B635

Soil Tilth and Tillage

62405 ANAND, D. M. Dry farming in the Deccan and Karnatak. Indian Farming (n.s.)11(12):16-18,29-30. Mar. 1953. 22 In283

62406 BAMBERG. Kultivierungsarbeiten und folgemassnahmen nach der melioration. Praxis u. Forsch. 5:72-74. Apr.20,1953. 18 P89
In Ems.

62407 BYERS, G. L. Trends in tillage. Farmer's Mag. 50(4):21,44-46. Apr.1953. 7 C165

62408 CALZECCHI-ONESTI, A. Slopes, plowing and trees. II. (In Italian.) Gior. di Agr. 63:131. Apr.26,1953. 16 It1G

62409 CHRISTOPHER, E. P. The mulch method of growing small fruits. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:122-126. 1952. 81 M384

62410 COCKBURN, W. M. Home plowing competitions. Ontario Plowmen's Assoc. Annu. Rpt. 40:36-38. 1951,pub.1952. 7 On84

62411 CRAM, J. S. Snow ridging and Indian fallow are some of the techniques being tested at the Scott Experimental Station, where the main stress is on farming under dry conditions. Family Herald & Wk. Star 84(10): Mar.5,1953. 7 F21

62412 GERMANY. LAND- UND HAUSWIRTSCHAFTLICHER AUSWERTUNGS- UND INFORMATIONSDIENST. Die bearbeitung. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. [Veröffentl.] 1,8 p. Apr.1952. 18 G312V
Potatoes.

62413 GERMANY. LAND- UND HAUSWIRTSCHAFTLICHER AUSWERTUNGS- UND INFORMATIONSDIENST. Die bestellung. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. [Veröffentl.] 6,8 p. Spring 1953. 18 G312V
Potatoes.

62414 HOLLAND, L. J. Mulches in the perennial border. Green Thumb [Denver] 10(5):26-27. May 1953. 80 G82

62415 KATAYAMA, T. The effect of night mulching with straw mat upon the growth of wheat seedlings during nursery period. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:85-86. Nov.1952. 22.5 C88
English summary.

62416 ONTARIO PLOWMEN'S ASSOCIATION. 40th annual report, 1951. Toronto,1952. 78 p. 7 On84

62417 RAYMOND, C. B. Mulches for the home garden. N. Y. Agr. Col. Cornell Ext. B. 886,4 p. n.d. 275.29 N48E

62418 RICHARDS, N. R. The use of the plow in soil conservation. Ontario Plowmen's Assoc. Annu. Rpt. 40: 40-45. 1951,pub.1952. 7 On84

62419 ROBIĆ, F. Cultivating the land on plantations. (In Serbo-Croatian.) Sadjarstvo Vinarstvo Vrtnarstvo 5: 34-36. Feb.1953. 21.5 Sa1
Yugoslavia.

62420 ROUEL, J. Les labours. Agr. Creusoise 2(8): 9-11. 1952? 14 Ag827

62421 RUSSELL, E. W. Soil tilth: its scientific aspects. Discovery 14:118-123. Apr.1953. 472 D63
Gt. Britain.

62422 SHINDO, S. A trial of tilling pasture for crop rotation. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21: 154-155. Nov.1952. 22.5 C88
English summary.

62423 SWANSON, R. E. Wood-waste mulches in Hawaii. Soil Conserv. 18:243-245. June 1953. 1.6 So3S

Drainage, Irrigation, Water Supply, and Flood Control

62424 ABAYARATUE, A. Irrigation in Ceylon. O. A. C. Review 65:286-288. Mar./Apr.1953. 276.8 On8

62425 ADAMS, F. Community organization for irrigation in the United States. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper Agr. 19,39 p. Ref. Oct. 1952. 281.9 F733

62426 BAIER, W. Welche wassermengen lieferte die schneedecke im winter 1952/53 dem boden? Deut. Landwirt.-Gesell. Mitt. 68:251-252. Apr.9,1953. 18 N39

62427 BAKER, C. E. Water for the orchard. Rur. New-Yorker 103:347,353. May 16,1953. 6 R88

62428 BAKER, E. Electric irrigation systems. Rur. Kentuckian 6(4):14-15. Apr.1953. 335.8 K41

62429 BALDONI, R. Devices for the measure on the spot of the moisture at disposal in the soil and scientific control of the irrigation. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:189-207. 1952. 55.9 C767
English summary.

62430 BARCELO, J. L. La irrigación y sus cultivos en el mundo. Ceres [Valladolid] 18(202):27. Apr.1953. 15 C33

62431 BARR, W. L., and THOMAS, D. W. Irrigation on Pennsylvania farms. Pa. Agr. Expt. Sta. B. 562,30 p. Jan.1953. 100 P381

62432 BARTRAM, D. Don't irrigate by guesswork. West. Fruit Grower 7(4):15. Apr.1953. 95.8 G762
Soil testing in orchards of central Washington.

62433 BERG, C. VAN DEN. De inundaties gedurende 1944-1945 en hun gevolgen voor de landbouw. The inundations of 1944-1945 in the Netherlands and their effect on agriculture. XII. De invloed ven opgenomen zouten op de groei en productie van landbouwgewassen op zoute gronden. The influence of absorved salts on growth and yield of agricultural crops on salty soils. Netherlands. Dir. van de Landb. Verslagen van Landbk. 58(5),118 p. Ref. 1952. 105.2 V61V
English summary.

62434 BODDY, H. As water goes, so go crops. Oreg. Farmer 76:340. Apr.16,1953. 6 Or32

62435 BOND, J. New farming threatens lowveld water source. Veldtrust 14(3):19-21,27. Mar.1953. 56.8 V54
Irrigation farming in mountain farms where the Crocodile River rises.

62436 BOOHER, L. J. Soil moisture and daily use rate. West. Fruit Grower 7(4):21. Apr.1953. 95.8 G762
Irrigation of orchards.

62437 BOURRIER, J. Note sur un projet de répartition équitable de l'eau apportée par un canal d'irrigation. France. Cent. de Rech. et d'Expt. du Génie Rur. Études et Trav. 20,25 p. 1953. 58.9 P21

62438 BREEDVELT, J. Die abschliessung des "brakman." Wasser u. Boden 5:57-59. Mar.1953. 56.8 W28

62439 BROWN, H. D. Fundamentals in irrigation. Mkt. Growers J. 82(5):32-33. May 1953. 6 M34

62440 BROWN, L. C. A practical irrigation lab. Better Farming Methods 25(5):40,42-43. May 1953. 58.8 B46
FFA chapter farm, Deming, New Mexico.

62441 CAMPBELL, J. A. Irrigation for vegetable crops. Miss. Agr. Expt. Sta. C. 182,8 p. Mar.1953. 100 M69

62442 CANDIOLI, P. Some information on an establishment of overhead irrigation in the Ravenna region. (In Italian.) Agr. delle Venezie 7:141-148. Mar.1953. 16 Ag826

62443 CAPARRINI, P. Contribution of our equipment to hydraulic-agrarian reclamation. (In Italian.) Macch. & Motori Agr. 11:257-274. Mar.1953. 58.8 M13
Italy.

62444 CAPONERA, D. Water laws in Italy. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 22,27 p. Ref. Feb.1953. 281.9 F733

62445 CAPULER, B. Irrigation experiments with summer tomatoes and cucumbers. (In Hebrew.) Hassadeh 33:281-284,340. Feb./Mar.1953. 26 H27

62446 CATE, H. A. Can pasture irrigation increase animal gains by a thousand pounds more beef per acre? Co. Agent & Vo-Ag Teacher 9(5):20-22. May 1953. 275.28 N213

62447 CAVINA, R. Irrigation on the livestock farm. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:91-92. Mar.1953. 44.8 B634
For forage plants.

62448 CHELINI, R. The activity of the Ministry of Agriculture in demonstrating and fostering the introduction of sprinkling for irrigation in Italy. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:123-135. 1952. 55.9 C767
English summary.

62449 CHIARALUCE, O. Mine battles for the future of Sardinia. (In Italian.) Agricoltura 2:36-39. Jan. 1953. 16 Ag8226
Reclamation.

62450 CONVEGNO INTERNAZIONALE PER L'IRRIGAZIONE A PIOGGIA, 1, VERONA, 1952. Atti [Acts]. Verona,Tipografia Arean,1952. 319 p. 55.9 C767

62451 COULSON, H. J. W. Coulson & Forbes on the law of waters, seas, tidal, and inland and land drainage. Ed. 6, by S. R. Hobday. London,Sweet & Maxwell,1952. 1320 p. 292 C832

62452 DAVISON, J. R. Apples on the M.I.A. Agr. Gaz. N. S. Wales 64:134-135,166. Mar.1953. 23 N472
Murrumbidgee Irrigation Area.

62453 DELOYE, M., and REBOUR, H. L'irrigation: l'aménagement des bassins de contour dans un verger déjà établi. Élevage et Cult. 5(51):11-12. Mar.1953. 24 EL2

62454 DICKERSON, R., GRISSOM, P., and RANEY, W. A. The selection and use of irrigation equipment for Mississippi. Miss. Agr. Expt. Sta. C. 181,14 p. Mar.1953. 100 M69

62455 DIEZ CANSECO B., O. Un ensayo de riego por infiltración o en surcos y sus consecuencias en el progreso del cultivo del algodón en el valle del rio Chira. Mensajero Agr. 79:13-15. Jan.1953. 9.8 M52

62456 DIRECTORY of private and public Irrigation Districts by States in the United States. Irrig. Engin. & Maintenance 2(9):6-25. Nov.1952. 55.8 Ir722

62457 DONEEN, L. D., and HENDERSON, D. W. The water penetration problem. West. Fruit Grower 7(4):19-20. Apr.1953. 95.8 G762
Irrigated areas in California.

62458 ELEAZER, J. M. Irrigation pays in larger crops. Agr. Leaders' Digest 34(4):10-11,13. Apr.1953. 275.28 Am3

62459 EL SABBAN, G. La région des "Sudds." Feuilles Agr. 11(78):9-13. Jan./Mar.1953. 24 F43
Water supply in Egypt.

62460 ENGLAENDER, A. Falsche sparsamkeit tötet bauern. Übersicht 4:348-352. Apr.1953. 18 Ub3
Flood control in Germany.

62461 FERRARI, V. Scheme for the evaluation of the efficiency and uniformity of the sprinkling diagram of the irrigating system. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:211-218. 1952. 55.9 C767

62462 FERRARI, V. Scientific bases for pipe-line irrigation. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:219-225. 1952. 55.9 C767

62463 FOSTER, L. R. Sprinkler irrigation predominates in Hood River. West. Fruit Grower 7(4):17-18. Apr.1953. 95.8 G762

62464 FOWLER, F. J. Some problems of water distribution between East and West Punjab. Econ. & Com. 2:141-146. Mar.20,1953. 280.8 P175

62465 FREE, G. R., and ENGDAHL, E. A. Irrigation plus good management increases forage yields. Farm Res. [N. Y. Sta.] 19(2):6-7. Apr.1953. 100 N48A
Includes fertilizers.

62466 FRIEDMANN, G. Fert-irrigation has conquered the weather. (In Italian.) Agricoltura 2:29-32. Jan.1953. 16 Ag8226

62467 FRIEDMANN, G. Fertilizer application by means of overhead irrigation. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:227-231. 1952. 55.9 C767

62468 FU, T. Y. Great achievements in China's water conservancy work during the past three years. In China Committee for the Promotion of International Trade. New China's economic achievements, p.195-208. Peking,1952. 280.184 C445

62469 FURNEAUX, B. S. Field drainage and its effect upon soil fertility. Country Landowner 4:91-94. Apr.1953. 10 C836
In Great Britain.

62470 GAGO L., E. El capital privado y la irrigación de tierras eriazas. Mercurio 21(782):3-4; (783):5-6; (784): 3-4; (785):5-6. (Cont.) Mar.7-28,1953. 280.8 M532
Peru.

62471 GAMMON, J. Aluminum aids irrigation. Fruit & Veg. Rev. 15(2):16. May 1953. 80 C1224
Use of aluminum pipe in sprinklers.

62472 GASPARINI, M., and others. Agronomic possibility of overhead irrigation in relation to the nature of the soil and crops in plains, hills, and mountain areas, as well as in disease and insect control. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:169-188. 1952. 55.9 C767
L. Marimpietri, V. Carrante, E. Mancini, and A. Draghetti, joint authors.
German and French summaries.

62473 GAVOTY, H. L'irrigation en Crau. Ecole Supér. d'Agr. et de Viticult. d'Angers. B. Mens. 31:106-107. Apr.5,1953. 275.9 An4

62474 GERRITSEN, J. D. The floods in the lands of Heusden and Altena and the Biesbosch. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:142-146. Mar.1953. 86 N384

62475 GINI, M. Irrigation systems. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:243-275. 1952. 55.9 C767

62476 GOMES, P. Irrigation in Ceara. (In Portuguese.) Bras. Açucareiro 41:105-107. Jan.1953. 65.8 B73

62477 GRAY, A. S. What to look for in portable sprinklers. Fruit & Veg. Rev. 15(2):12-13,21. May 1953. 80 C1224

62478 GRAY, E. L. Irrigation and water conservation in Saskatchewan. Canad. Farm Impl. 49(4):46,48,50. Apr.1953. 58.8 C163

62479 GREENSHIELDS, E. L. Irrigation's part in farm production. Agr. Situation [Washington] 37(5):9-10, 16. May 1953. 1 Ec7Ag

62480 GROUT, A. R. Tile drainage for Pennsylvania farms. Pa. State Col. Agr. Ext. C. 413,20 p. Mar.1953. 275.29 P38C

62481 GROVES, D. E. Dry season? Better be ready if it comes. Ohio Farmer 211(8):4-5,41. Apr.18,1953. 6 Oh3
Water conservation on the farm in Ohio.

62482 GRUBINGER, H. Feldberegnung. Österr. Landtech. 6:15-17. Jan.1953. 58.8 L236

62483 HAMMAN, A. J., and PATTERSON, P. J. The Parshall flume, an economical device to measure irrigation water. Better Farming Methods 25(5):44,46-47. May 1953. 58.8 B46

62484 HARGRAVE, J. The treatment of farm land flooded by sea water. Gt. Brit. Min. Agr. Agriculture 60:27-30. Apr.1953. 10 G79J
In Great Britain.

62485 HARRISON, R. W. Drainage reclamation in the Yazoo-Mississippi Delta, a drainage handbook. Miss. Agr. Expt. Sta. M. R. 9,260 p. July 1952. 100 M69Mr

62486 HAWKINS, G. P. Wheels for sprinkler systems. Irrig. Engin. & Maintenance 2(10):6-13,16-17. Dec.1952. 55.8 Ir722

62487 HENDRICKSON, A. H., and VEIHMEYER, F. J. Orchard sprinkler irrigation. Calif. Agr. [Calif. Sta.] 7(4):3,12. Apr.1953. 100 C12Cag

62488 HENDRICKSON, A. H., and VEIHMEYER, F. J. Orchard sprinkler irrigation studies show supply of readily available soil moisture more important for fruit growth than type of irrigation. Sacramento Val. Rancher 7(5):10,22,36. May 1953. 6 Sa12

62489 HENDRICKSON, A. H., and VEIHMEYER, F. J. Sprinkler irrigation of orchards. West. Fruit Grower 7(4):13-14. Apr.1953. 95.8 G762

62490 HOLMES, K. L. Early irrigation in Idaho. Idaho Farmer 71:343,376. Apr.16,1953. 6 G282

62491 HOLMES, K. L. Early irrigation in Idaho. Utah Farmer 73:458,478. May 21,1953. 6 D45

62492 HOUSTON, C. E., and VORK, R. A. Run-off forecasts; 1953 water supply in the West. West. Constr. 28(5):75-78. May 1953. 290.8 W522

62493 JETER, F. H. Rain as predicted. South. Planter 114(5):12,38. May 1953. 6 So89
Overhead irrigation in North Carolina.

62494 JOHNSTON, C. N. Pressure control on individual sprinklers. Agr. Engin. 34:332-333. May 1953. 58.8 Ag83

62495 JONES, D. K., and PAPASOLOMONTOS, A. Production of irrigated crops. Countryman [Nicosia] 7(3):18-19. Mar.1953. 25 C83

62496 JONES, D. K., and PAPASOLOMONTOS, A. Production of irrigated forage crops I. Lucerne. Countryman [Nicosia] 7(2):8-9. Feb.1953. 25 C83
Cyprus.

62497 JONSSON, A. L. Well dug ditches and their maintenance. (In Icelandic.) Freyr 48:91-96. Mar.1953. 11 F89

62498 JULEN, G. Some observations on the water supply for the hay fields. (In Swedish.) Beten-Vallar-Mossar 5:47-48. (Cont.) Apr.1953. 11 B46

62499 JULEN, G. Some observations on the water supply of the meadows. (In Swedish.) Beten-Vallar-Mossar 5:31-32. (Cont.) Mar.1953. 11-B46

62500 KERBER, C. Problems of irrigation. (In Portuguese.) Lav. Arroz. 6(74):23-24. Feb.1953. 59.8 L39
Brazil.

62501 KING, J. T. Sprinkler irrigation association. Fruit & Veg. Rev. 15(2):19. May 1953. 80 C1224

62502 LAURITZEN, C. W. Canal lining maintenance in Utah. West. Constr. 28(5):68-69. May 1953. 290.8 W522

62503 LEDESMA, A. F. DE, and LEDESMA, E. M. DE. Irrigation: past, present and to come. Rev. River Plate 113(3144):17-20. Apr.21,1953. 286.8 R32

62504 LEV, J. Partial irrigation of field crops in Israel. (In Hebrew.) Hassadeh 33:265-266. Feb./Mar. 1953. 26 H27

62505 LEVINE, G. Engineered irrigation through research. Mkt. Growers J. 82(5):17-19. May 1953. 6 M34

62506 LOMBARDY. ISPETTORATO AGRARIO COMPARTIMENTALE. Overhead irrigation in Lombardy. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:313-317. 1952. 55.9 C767

62507 MCCONNELL, R. A. We're getting flood control—without a fight! Capper's Farmer 64(6):20-21, 82. June 1953. 6 M693

62508 MARCHES. ISPETTORATO AGRARIO COMPARTIMENTALE. Notes on installations for overhead irrigation in The Marches Dec. 31, 1951. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:319-320. 1952. 55.9 C767
Statistics.

62509 MEIJER, W. L. G. Les conséquences des inondations. (In Dutch.) Econ.-Statis. Ber. 38:268-270. Apr. 8,1953. 280.8 Ec722
French summary.
Netherlands.

62510 MEUWISSEN, P. G. The flood disaster in the Netherlands. Gt. Brit. Min. Agr. Agriculture 60:31-33. Apr.1953. 10 G79J

62511 MINGES, P. A., and BOOHER, L. J. Pros and cons of sprinkler irrigation. West. Grower & Shipper 24(6):60-66,78. May 1953. 280.38 W52

62512 MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. Crop response to irrigation in Mississippi. Miss. Agr. Expt. Sta. C. 180,12 p. Mar.1953. 100 M69
Field crops.

62513 MONTANARI, V. Overhead irrigation and its possibilities in the latest developments. (In Italian.) Agr. delle Venezie 7:111-133. Mar.1953. 16 Ag826

62514 MONTANARI, V. Reasons determining the diffusion of rain irrigation in the Venetian Provinces. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1: 137-167. 1952. 55.9 C767
English summary.

62515 MORELL, M. El riego. I-III. Rev. del Café 8(9):5,7. Apr.1953. 8 R3295
Puerto Rico.

62516 MUELLER, R. C. Sprinkler irrigation for market growers. Mkt. Growers J. 82(5):34-35. May 1953. 6 M34

62517 NETTLES, V. F. Southeast growers now "irrigation-minded." Mkt. Growers J. 82(5):16-17,44-45. May 1953. 6 M34

62518 NEWTON, D. Twin county EPA supplies power for billions of gallons of water for Mississippi Delta rice crops. Miss. Rur. Elect. News 6(5):4-5. May 1953. 335.8 M69

62519 OEHM. Die wasser- und bodenverbände und ihre bedeutung für das Emsland. Praxis u. Forsch. 5: 71-72. Apr.20,1953. 18 P89

62520 PAIR, C. H., and SWARNER, L. R. Investigate before you invest. Reclam. Era 39:104-105. May 1953. 156.84 R24
Sprinkler irrigation systems.

62521 PELLIZZARI, G. Reclamation plants. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 8 (7):11-13. Apr.1,1953. 287 V662
Irrigation pumps in Italy.

62522 PIEDMONT. ISPETTORATO AGRARIO COMPARTIMENTALE. Irrigation and overhead fertirrigation in Piedmont. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:307-311. 1952. 55.9 C767
Statistics.

62523 PRATOLONGO, U. Technique and economy of overhead irrigation. (In Italian.) Italia Agr. 90:175-180. Mar.1953. 16 It1

62524 RASMUSSEN, W. W., and LAURITZEN, C. W. Measuring seepage from irrigation canals. Agr. Engin. 34:326-329,331. Ref. May 1953. 58.8 Ag83

62525 REHNBERG, R. D. The cost of pumping irrigation water, Pinal County, 1951. Ariz. Agr. Expt. Sta. B. 246,27 p. Jan.1953. 100 Ar4

62526 SANDER, H. West shows way in use of light aluminum tubing. West. Grower & Shipper 24(6):10,22-23. May 1953. 280.38 W52
Irrigation equipment.

62527 SAVESON, I. L. Machinery aspects of land drainage. Agr. Engin. 34:303-306. May 1953. 58.8 Ag83

62528 SLITS, H. J. A. The flood-disaster in the district of the Government Advisory Officer at 's-Hertogenbosch. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:138-141. Mar.1953. 86 N384

62529 SMITH, C. S. Partners in improvement. Farmers Wk. [London] 38(17):58-59. Apr.24,1953. 10 F2226
Reclamation costs and their division between landlord and tenant.

62530 SMITH, C. S. Two countries—two men—one problem—salt. Farmers Wk. 38(16):52-55. Apr.17,1953. 10 F2226
Comparison between restoration on a flooded English farm, and the progress and methods on a comparable Dutch farm. Includes drainage and soil management.

62531 SOEST, W. VAN. The consequences of the floods of the 1st February 1953 for horticulture in Zeeland and the western part of Noordbrabant. Netherlands. Dir. van de Tuinbouw. Meded. 16:132-137. Mar. 1953. 86 N384

62532 SOUSSA, A. Irrigation in Iraq between the eras of the two Faisals. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:275-285. Apr./June 1953. 22.5 Ir1
English summary, p. 4.

62533 SPRINGALL, G. Reclaiming the waste lands. Land Worker 34(407):4. Apr.1953. 283.8 L22
Great Britain.

62534 STEFANELLI, G. Present state of overhead irrigation and fertirrigation: mechanical and hydraulic progress in construction of the facilities. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:81-121. 1952. 55.9 C767
German and French summaries.

62535 STIJMANS, J. Irrigation apparatus. (In Flemish.) Tuinbouwberichten 17:51-53. Apr.15,1953. 80 T817

62536 TAKAHASHI, T., and TAKAHASHI, N. Effect of the farm irrigation upon the growth of some crops. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:113-114. Nov.1952. 22.5 C88
English summary.
Oats, rice, and potatoes.

62537 U. S. BUR. OF RECLAMATION. Alaska, a reconnaissance report on the potential development of water resources in the Territory of Alaska for irrigation, power production and other beneficial uses. 82d Cong., 1st Sess. H. Doc. 197,287 p. 1952. 156.85 AL1

62538 U. S. BUR. OF THE CENSUS. 1950 census of agriculture. Volume IV, Drainage of agricultural lands. Washington,1952. 307 p. 157.41 C332

62539 U. S. BUR. OF THE CENSUS. 1950 census of agriculture. Volume V. Special reports. Part 7. Irrigation 1950, a graphic summary. Washington,1952. 35 p. 157.41 C332
U. S. Bureau of Agricultural Economics cooperating.

62540 U. S. GEOLOGICAL SURVEY. Floods of 1950 in southwestern Oregon and northwestern California. U. S. Geol. Survey. Water-Supply Paper 1137-E:413-503. 1953. 407 G29W

62541 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1950. 14. Pacific Slope Basins in Oregon and Lower Columbia River Basin. U. S. Geol. Survey. Water-Supply Paper 1184,320 p. 1952. 407 G29W

62542 U. S. GEOLOGICAL SURVEY. Water levels and artesian pressures in observation wells in the United States in 1950. 1. Northeastern States. U. S. Geol. Survey. Water-Supply Paper 1165,407 p. 1953. 407 G29W

62543 U. S. GEOLOGICAL SURVEY. Water levels and artesian pressures in observation wells in the United States in 1950. 6. Southwestern States and Territory of Hawaii. U. S. Geol. Survey. Water-Supply Paper 1170, 279 p. 1953. 407 G29W

62544 U. S. MISSOURI BASIN SURVEY COMMISSION. Missouri: land and water; the report. Washington,U. S. Govt. Print. Off.,1953. 295 p. 173 M694M
Includes flood control, irrigation, and forestry.

62545 U. S. SOIL CONSERVATION SERV. PACIFIC REGION. Land leveling for irrigation. Portland,Oreg., 1952. 4 p. 1.9609 L225

62546 VADÉ, S. L'arrosage en pluie, stimulant et régulateur des rendements. Vie à la Campagne 42:137-140. Apr.1953. 80 V67

62547 VAN BAVEL, C. H. M. What irrigation may mean to you. Hoard's Dairyman 98:436-437. May 10, 1953. 44.8 H65

62548 WANTED: a national water and land policy. Farm Mangt. 2(6):42-43. May 1953. 281.8 F2225

62549 WARE, L. M. Some observations on irrigation. Mkt. Growers J. 82(5):30-31. May 1953. 6 M34
In the Southeast.

62550 WHITLOCK, R. Recovery after the floods; a survey of the agricultural damage and the problems of land reclamation. Field 201:752-754. May 7,1953. 10 F45
Great Britain.

62551 WILCOX, J. C., and MASON, J. L. Consumptive use of water in orchard soils. I. Canad. J. Agr. Sci. 33:101-115. Ref. Mar./Apr.1953. 7 Sci2

62552 WILSON, T. V. Irrigation—watchword for thirsty crops. Farmers Fed. News 33(8):12,17-18. Apr. 1953. 280.28 F225
North Carolina.

62553 WINROTT, W. A 20-year review of sprinkler irrigation progress. West. Grower & Shipper 24(6):10-18. May 1953. 280.38 W52

62554 WITTE, K. Grundsätzliche fragen der beregnung von feldgras, wiese und weide. Deut. Landwirt.-Gesell. Mitt. 18:423-425. (Cont.) Apr.30,1953. 18 N39

62555 WITTE, K. Grundsätzliche fragen der beregnung von feldgras, wiese und weide. Deut. Landwirt.-Gesell. Mitt. 68:455. (Cont.) May 7,1953. 18 N39

62556 WITZEL. Eigentum an gewässern, ein beitrag zur reform des wasserrechts. Wasser u. Boden 5:49-55. Mar,1953. 56.8 W28
Germany.

62557 WOERDT, D. VAN DER. Disadvantages of exceeding the optimal water supply on permanent grassland. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:137-142. Apr.1953. 12 N383M
Ground water supply.

62558 WOOD, I. D. Wanted: better water control! Nebr. Farmer 95(9):10. May 2,1953. 6 N27
In irrigation.

62559 WORK, R. A., and HOUSTON, C. E. Water report; outlook for 1953 water supply of the West. Reclam. Era 39:101-103,106-107. May 1953. 156.84 R24

62560 YANDRE, T. Irrigation costs compared for sprinkling, flooding Florida pasture land. Fla. Cattleman 17(9):84. June 1953. 43.8 F66

62561 ZANELLA, G. Technical economic considerations on the cost of installation and seasonal cost of an overhead irrigation system. (In Italian.) Conv. Internaz. per l'Irrig. a Pioggia. Atti 1:277-305. 1952. 55.9 C767

Erosion and Erosion Control

62562 AHMAD, S. U. D. An approach to solve the erosion problem. Pakistan J. Forestry 3:45-47. Jan. 1953. 99.8 P17

62563 BASU, J. K. Soil and moisture conservation in the dry regions of the Bombay state. I Studies in soil conservation. Empire J. Expt. Agr. 20:326-333. Oct. 1952. 10 Em7

62564 BENNETT, H. H. Land in peril; soil program slipping. Nation 176:436-437. May 23,1953. 280.8 N215

62565 BROWN, L. G. Conservation tour to U.S.A. Ontario Plowmen's Assoc. Annu. Rpt. 40:67-73. 1951,pub. 1952. 7 On84

62566 BROWN, L. N. Schismus arabicus strong rooted plant from the Mediterranean, may provide dust control. Calif. Cattleman, May 1953:8-9. 43.8 C12

62567 CARLILE, D. K. To boost soil conservation, publicize and educate. Bank News 53(24):35-36,39. May 15,1953. 284.8 B224

62568 CARRIQUE, M. Méthodes de cultures en défense et restauration des sols. Rev. Agr. de l'Afrique du Nord 51:359-363,382-384. Apr.3-10,1953. 80 R326

62569 CHATURVEDI, M. D. Soil erosion. Indian Forester 79:143-146. Mar.1953. 99.8 In2

62570 DAVIS, W. S. Soil conservation districts are people working together. J. Soil & Water Conserv. 8:33-36. Jan.1953. 56.8 J822

62571 FLEAY, D. J. Wind erosion control. 1. West. Austral. Dept. Agr. J. (ser.3)2:73-75,77,79. Jan./Feb. 1953. 23 W52J

62572 FREE, G. R. Compaction as a factor in soil conservation. Soil Sci. Soc. Amer. Proc. 17:68-70. Jan.1953. 56.9 So3

62573 GONDELLES AMENGUAL, R. Algunos aspectos conservacionistas. Agro [Maracay] 7(22):97-101. Sept./Oct.1952. 9.95 Ag83
Soil conservation.

62574 KELLOGG, C. E. The soil conservation job: the public's responsibility. Washington,U. S. Soil Conserv. Serv.,1953. 22 p. 1.965 S6K29
Address before the Farm Forum, Minneapolis, Minn., Mar. 17, 1953.

62575 KERS, D. The inundations on the islands of Zuid-Holland and the enormous damage caused. Netherlands. Dir. van de Tuinbouw. Meded. 16:126-131. Mar. 1953. 86 N384

62576 KUHN, W. Hecken, terrassen und bodenzerstörung im hohen Vogelsberg. Rhein-Mainische Forsch. 39,54 p. Ref. 1953. 278.8 R34

62577 MCGEHEE, R. Conservation goes to prison. Soil & Water Mag. 2(5):18-21. May 1953. 54.8 So3

62578 MCKEEVER, I. The road to conservation:six inches to a desert. Pa. Game News 24(5):18-22. (Cont.) May 1953. 412.9 P38Pe

62579 MARSHAL, C. Land use and abuse in Malaya. Malayan Forester. 15:132-136. (Cont.) July 1952. 99.8 M292
Erosion and forest administration.

62580 MITCHELTREE, W. A., and SLAYBACK, H. R. Teaching basic soil principles puts conservation on the land. J. Soil & Water Conserv. 8:44-48. Jan.1953. 56.8 J822

62581 NATIONAL ASSOCIATION OF SOIL CONSERVATION DISTRICTS. Final results, how farmers want soil conservation handled. League City,Tex.,1953. folder. 56 N212

62582 RAMOS, J. B. Erosion on slopes and means of control. (In Portuguese.) Lav. Arroz. 6(74):31-32,34-35, 37. Feb.1953. 59.8 L39

62583 REYNOLDS, E. A. P. Erosion control and river training undertaken by the Forest Department in Mong Mit State. Burmese Forester 2:79-85. Sept.1952. 99.8 B92

62584 ROGERS, R. W. A look at the record. Soil Conserv. 18:261-263. June 1953. 1.6 So3S
1952 accomplishment in soil and water conservation.

62585 ROJAS CRUZ, L. A. Explote su tierra, pero cuidela. Almanaque Creditario 10:121-124. 1953. 9.4 AL6

62586 SIEBERT, A. Bodenerosion als weltproblem. Akad. f. Raumforsch. u. Landesplanung. Umschaudienst 7/8:234-287. 1952. 280.9 Ak13

62587 SIMON, M. La protection du sol; un problème important dans les régions betteravières belges. Inst. Belge pour l'Amélior. de la Betterave. P. Tech. 20:121-141. July/Sept.1952. 66.9 In7
English summary.

62588 STALLINGS, J. H. Continuous plant cover—the key to soil and water conservation. J. Soil & Water Conserv. 8:37-43. Ref. Jan.1953. 56.8 J822

62589 SUAREZ DE CASTRO, F. El uso de los terrenos. Rev. Agr. y Ganad. 13(157):6,8-10. Feb.1953. 9.4 R327
Erosion problem in Colombia.

62590 SUAREZ DE CASTRO, F. El uso de los terrenos agrícolas colombianos y su influencia sobre la erosión de los suelos. Soc. Antioqueña de Agr. B. Agr. 395:3905-3911. Mar.1953. 9.4 So1

62591 SUAREZ DE CASTRO, F. La defensa de los suelos. Almanaque Creditario 10:46-51. 1953. 9.4 AL6
Control of soil erosion in Colombia.

62592 SVEINSSON, P. Sand grasses. (In Icelandic.) Freyr 48:96-100. Mar.1953. 11 F89
For erosion control in the United States.

62593 TIPPIT, O. J., and JONES, J. H. Soil conservation management system for beef production in the Blacklands of Texas. Tex. Agr. Expt. Sta. Misc. P. 90,4 p. Mar.1953. 100 T31M
United States Department of Agriculture cooperating.

62594 UENO, M. Soil erosion at Oguni. II. (In Japanese.) Rin-Go-Shiken-Hokoku 58:37-42. Mar.1953. 99.8 R47
English summary.

62595 U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Contour plowing problem, where contour rows cross a waterway. U. S. Soil Conserv. Serv. Upper Miss. Region JS-38,1 p. Apr.1953. 1.9605 J11

Sanitation

62596 CHABOT, E. Home greenhouse. Flower Grower 40(6):52-53. June 1953. 80 M72
Soil sterilization with chemicals.

62597 FREEMAN, J. F., and HUNT, R. A. Treatment of plant bed soils with methyl bromide fumigant. Ky. Agr. Col. Ext. C. 500,8 p. Mar.1953. 275.29 K415

62598 KITCHING, R. L. The sterilisation of loam. Gard. Illus. 70:130. May 1953. 80 G169

62599 MCCALLUM, D. W. Soil sterilisation with chloropicrin. New Zeal. J. Agr. 86:237,239-240. Mar. 16,1953. 23 N48J

62600 MARIEN, A. Soil fumigation in lettuce culture. (In Flemish.) Tuinbouwberichten 17:34-35. Mar.15,1953. 80 T817
In greenhouses.

62601 MARVEL, M. E. Cauliflower seed bed fumigation with methyl bromide. Down Earth 9:12-14. Summer 1953. 381 D75

62602 NISSLEY, C. H. Gloucester County sweet potato grower disinfects soil. N. J. State Hort. Soc. Hort. News 34:2645. Apr.1953. 81 N46

62603 PRESTON, N. C. Soil cleansing is key to club root control. Grower [London] 39:833,835. Apr.25,1953. 286.83 M34

MATERIALS FOR SOIL IMPROVEMENT

62604 HANSSEN, J. L. Packaged manure vs. barnyard manure. Amer. Rose Mag. 11(5):5-9. May 1953. 80 Am327A

62605 IVERSEN, K. Dänische versuche mit stalldünger und mineralischem dünger der Versuchsstation Askov 1894-1948. Ernähr. der Pflanze 1/2:26-48. Jan./Feb.1953. 57.8 Er62
English summary.

Primary Materials

62606 OLESEN, J. Liquid, anhydrous ammonia as a nitrogen fertilizer. (In Danish.) Dansk Landbr. 72:208-209. Apr.23,1953. 280.28 V91

62607 OLESEN, J. Liquid, anhydrous ammonia as nitrogen fertilizer. (In Danish.) Jydsk Landbr. 35:278-281. Apr.23,1953. 11 J99

62608 PETTERSSON, A. Superphosphates. (In Norwegian.) Samvirke [Oslo] 48:253-256. Apr.15,1953. 280.28 Sa4

62609 VETHE, K. Potassium fertilizer. Origin, content and use. (In Norwegian.) Samvirke [Oslo] 48:244-247. Apr.15,1953. 280.28 Sa4

Secondary and Minor Element Materials

62610 ADAMS, A. F. R. Trace elements. Canterbury Chamber Com. Agr. B. 284,4 p. Mar.1953. 23 C162

62611 CAMP, A. F. Minor element problems. I. Agr. Chem. 8(5):38-40,123,125. May 1953. 381 Ag8
In plant nutrition.

62612 CAMP, A. F. Trace elements in crop production. J. Agr. & Food Chem. 1:294-300. May 13,1953. 381 J8223

62613 SEATZ, L. F., and BLANTON, J. W. U-T research outlines minor element usage. Tenn. Farm & Home Sci. [Tenn. Sta.] 5:4,9. Jan./Mar.1953. 100 T25F

62614 STRANG, J. Minor element responses in the Berry district. Agr. Gaz. N. S. Wales 64:126-127. Mar. 1953. 23 N472

62615 THOMAS, R. P. The use of secondary and minor elements in fertilizer. Com. Fert. 86(5):44-47. May 1953. 57.8 C73

Mixed Fertilizers and Fertilizer Technology

62616 CARISS, H. G. Fertilisers. West. Austral. Dept. Agr. J. (ser3)2:137-142. Jan./Feb.1953. 23 W52J
Contains a list of fertilizers registered.

62617 MISSISSIPPI. STATE DEPT. OF AGRICULTURE. Report of analyses of commercial fertilizers and fertilizer materials for the season, July 1, 1951 - June 30, 1952. Jackson,1952. 22 p. 57.9 M69

Fertilizer Statistics

62618 ANGUS, J. Ammoniation of superphosphate; production trials at Scottish works. Chem. Trade J. & Chem. Engin. 132:1061-1063. May 1,1953. 382 C422

62619 BIERLY, S. H. Sugar beet fertilizers in good supply. Spreckels Sugar Beet B. 17:15-16. Mar./Apr. 1953. 66.8 Sp7

62620 DELOYE, M., and PRUDHOMME. L'emploi des engrais en Algérie de 1948 à 1951. Élevage et Cult. 5(51):5-7,9-10. Mar.1953. 24 EL2

62621 DEUTSCHER INNEN- UND AUSSENHANDEL BERGBAU. Export-katalog; düngemittel, salze. Export-catalogue; fertilizers, salts. Berlin,1952? unpaged. 57.2 D484

62622 FERGUSON, C. M., and others. Fertilizers and the future. Amer. Plant Food Council. J. 7:2-5,12. Jan./Mar.1953. 57.8 P692
F. H. Jeter, C. R. Elder, A. M. Smith, and S. H. Reck, joint authors.

62623 MACINTIRE, W. H. Progress in production and usage of fertilizers. Tenn. Farm & Home Sci. [Tenn. Sta.] 5:6-7. Jan./Mar.1953. 100 T25F
Phosphorus, potassium, calcium, and magnesium.

62624 NIESCHLAG, F. Der stand der düngung in ländern mit stärkerer viehhaltung. Landwirtbl. Weser-Ems 100:376. Apr.2,1953. 18 L2345

62625 PORTER, L. G. The fertilizer industry in the United States. Amer. Plant Food Council. J. 7:10-11. Jan./Mar.1953. 57.8 P692

62626 SCHMITZ, R. F. Reichhaltiges düngemittelange bot. Agrarpolit. Presse-Korresp. 6:20-21. Apr.15,1953. 281.8 Ag892
Germany.

62627 TEIXEIRA, A., and others. Production of fertilizers in the Northeast; utilization of Pernambuco phosphorite and soil studies in the deficient irrigation zones. (In Portuguese.) Rev. de Quim. Indus. 22(249):19-21. Jan.1953. 385 R324
M. Freitas, E. de S. L. Pinto, J. W. da C. Lima, M. Vasconcelos, and S. Carneiro, joint authors.
Report of the Comissão do Item X of the Mesa Redonda para Estudo da Aplicação da Energia de Paulo Afonso, held in Recife in 1952.

62628 TØNNESSON, R. D. Norwegian Hydro's fertilizer products for Norwegian agriculture. (In Norwegian.) Samvirke [Oslo] 48:248-253. Apr.15,1953. 280.28 Sa4

62629 TRUOG, E. Salesmen in all areas can use these points to sell fertilizer to double yields. Farm Chem. 116(5):55-57. May 1953. 57.8 Am3

62630 U. S. PRODUCTION AND MARKETING ADMIN. The fertilizer situation for 1952-53, supplemental report, by L. G. Porter and M. M. Johnson. Washington,1953. 10 p. 1.9424 M2F41

Mineral Soil Amendments

62631 BARNES, E. E. Selling limestone on it's merits. Rock Prod. 56(4):128-129. Apr.1953. 299.8 R59

62632 CHAPMAN, C. J. Must continue Federal program. Rock Prod. 56(4):127-128. Apr.1953. 299.8 R59
Use of agricultural limestone in Wisconsin.

62633 GERICKE, S. Zur kenntnis des Thomasphosphates. Phosphorsäure 13:158-170. Ref. 1953. 57.8 P563

62634 ISAZA ANGEL, G. La cal agricola. Rev. Nac. de Agr. 47(574):34-35. Feb.1953. 9.4 R32

62635 KURMIES, B. Kalkbestimmung im Thomasphosphat. Phosphorsäure 13:171-176. 1953. 57.8 P563

62636 NORDBERG, B. Agstone industry has big selling job ahead; producers must look elsewhere than to subsidies and efforts of agricultural agencies to sell merits of products to farmers. Rock Prod. 56(4):116-123,184,187-188,190-192,194. Apr.1953. 299.8 R59

62637 PETERSON, J. B. How to promote use of agstone. Rock Prod. 56(4):201-203. Apr.1953. 299.8 R59

62638 STOUT, R. W. Will farmers "buy" agricultural lime? Rock Prod. 56(4):131,194. Apr.1953. 299.8 R59

62639 25 JAHRE Landwirtschaftliche Versuchsanstalt der Thomasphosphat-Erzeuger. Phosphorsäure 13:7-56. 1953. 57.8 P563
Includes list of its publications.

Manures and Composts

62640 BONASTRE, M. Une grande industrie agricole méconnue: l'industrie des amendements humiques, résidus de la vie urbaine. Indus. Agr. et Aliment. 70:305-308. Apr.1953. 383 As7
English summary.

62641 BROTHER, G. H. Waste feathers converted to fertilizer. U. S. Agr. Res. Admin. Res. Achvt. Sheet 161(C),2 p. Apr.1953. 1.98 R31

62642 CHRIST. Herstellung und anwendung von kompost im bäuerlichen betrieb. Bebauet die Erde, p.44. (Cont.) In Bionomica 4(3). Mar.1953. 463.8 B52

62643 DAVEY, C. B. Sawdust composts: their preparation and effect on plant growth. Soil Sci. Soc. Amer. Proc. 17:59-60. Ref. Jan.1953. 56.9 So3

62644 DEMPSTER, C. D. Picking the right compost. Nurseryman & Seedsman 116:786-787. Mar.19,1953. 80 N933

62645 DENNIS, J. M. Spray irrigation of food processing wastes. Sewage & Indus. Wastes 25:591-595. May 1953. 293.8 Se8

62646 DORING, H. Rohphosphat-aufschluss während der stallmistrotte? Deut. Landwirt. 4:201-203. Apr. 1953. 18 D4822

62647 FIGUEIREDO, A. C. DE, ANJOS, V. T. R. DOS, and FERREIRA, A. A. Analytic study of guano from Rato and Meio Islands of the Fernando de Noronha Archipelago. (In Portuguese.) Bras. Açucareiro 41:101-104. Jan.1953. 65.8 B73

62648 FOLNER, J. Compost as litter in our poultry houses. II. (In Dutch.) Nieuwe Veldbode 19:537-539. Apr.2,1953. 12 V542N

62649 GILBERT, C. E. L. A new compost formula. Cactus & Succulent J. Gt. Brit. 15:43. Apr.1953. 450 C113

62650 GLEISBERG. Düngung beeinflusst qualität: gefahren unsachgemässer fäkaldüngung bei obst und gemüse. Erde u. Ernte 8(2):5. Jan.20,1953. 80 Er2

62651 GROSS, H. Guano. Orion 8:409-412. May 1953. 474 Or4

62652 JORDAN, J. V., LEWIS, G. C., and BAKER, G. O. Wheat straw; effect of straw and certain salts on soil reaction. J. Agr. & Food Chem. 1:236-239. Apr.29, 1953. 381 J8223

62653 KLEVER, H. Warum keine stärkere abwasserverwertung? Deut. Landwirt.-Gesell. Mitt. 68:355-356. Apr.9,1953. 18 N39
Use as fertilizer.

62654 LIMA, U. DE. A. Experiments on corrosion caused by vinasse. (In Portuguese.) Rev. de Agr. [Piracicaba] 28:35-38. Jan./Feb.1953. 9.2 R324
Used as fertilizer.

62655 LINK, C. B. Compost; a must for every garden. Plants & Gard. (n.s.)9:34-35. Spring 1953. 450 P694

62656 NORMAN, N. N., and KABLER, P. W. Bacteriological study of irrigated vegetables. Sewage & Indus. Wastes 25:605-609. Ref. May 1953. 293.8 Se8

62657 OLSEN, E. Biological manufacture of gas and liquid manure. (In Danish.) Jydsk Landbr. 35:256-259. Apr.16,1953. 11 J99

62658 PREBLUDA, H. J. Returning wastes to the soil. Chemurg. Digest. 12(4):9-10,20. Apr.1953. 381 N213Na

62659 SPYCHER, R. Unsere wichtigsten dünger: stallmist und gülle. Grüne 81:436-438. Apr.17,1953. 17 Sch9

62660 THEISS, H. Weniger arbeit mit dem stallmist. Deut. Landwirt.-Gesell. Mitt. Illus. Beilage 1,8 p. Dec. 12,1952. 18 N39A

FORESTRY

GENERAL

62661 ALAIN, HERMANO. Por la conservación de los bosques en Cuba. Soc. Cubana de Bot. Rev. 9:109-116. Oct./Dec.1952. 451 So123

62662 BELYEA, H. C. A postscript on the Lost identity of Doyle and Scribner. J. Forestry 51:326-329. May 1953. 99.8 F768

62663 BERGER, F. Holzmeister—kein arbeitgeber. Landarb.-Arch. 8:82-89. Mar.1953. 283.8 L23
Legal aspects of forest labor in Austria.

62664 BESLEY, L. B.C. forestry. Brit.Columbia Lumberman 37(4):42,98,104,110,116,118. Apr.1953. 99.81 B77

62665 BETHEL, J. S. Forestry as a career. Va. Forests 8(2):8-9. Mar./Apr.1953. 99.8 V81

62666 BRAITHWAITE, J. D. Colonial forest management and the timber trade. I. Wood [London] 18:148-150. Apr.1953. 99.82 W855

62667 BRENDHAGEN, K. Labor supply in the forest districts. (In Norwegian.) (Sum.) Skogeieren 40:91-92. Mar.15,1953. 99.81 Sk5

62668 DEHRA DUN. FOREST RESEARCH INSTITUTE. Forest research in India, 1948-49. I. Delhi,1952. 111 p. 99.9 In23

62669 DUERR, W. A., and VAUX, H. J. Research in the economics of forestry. Washington,D.C.,Charles Lathrop Pack Forestry Found.,1953. 475 p. Ref. 99.7 D862R

62670 ERNST, C. Holzverwertung und arbeitsleistung im hauungsbetrieb. Forstarchiv 24:119-121. Ref. Apr. 15,1953. 99.8 F7723

62671 FLICK, F. J. Forest research programs; a selected bibliography of United States literature. U. S. D. A. Libr. Libr. List 58,4 p. Apr.1953. 1.916 L612

62672 GLÄSER, H. Zum optimalen tempo bei körperlicher arbeit, insbesondere beim schlagen. Forstarchiv 24:109-115. Ref. Apr.15,1953. 99.8 F7723

62673 GOISLARD, P. H. La recherche forestiere en France. Forêt Conserv. 19(4):22. Apr.1953. 99.8 F792

62674 HAMANN, W. Jugendarbeit am walde. Hannoversche Land- u. Forstwirt. Ztg. 106:470. Apr.18, 1953. 18 H194

62675 HAMILTON, M. S. M. Study of woods labour turnover. Pulp & Paper Mag. Canada 54(5):156-159-160. Apr.1953. 302.8 P96

62676 HANSEN, I. E. Schulwald und waldgesinnung am beispiel Kellenhusen. Allg. Forstz. 8:191-192. Apr. 8,1953. 99.8 AL52

62677 HECKEMANN, H., and STANEK, W. Als forstpraktikant in Schweden 1952. Forst u. Holz 8:94-97. Apr.1,1953. 99.8 F7724

62678 HOCKING, G. H. Forestry and marginal lands in the southern North Island. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:237. 1951,pub.1952. 90.09 R81R

62679 HOUTERMANS. Gedanken über den umgang mit menschen im forstbetrieb. Deut. Forstmann, p.27-29. In Forst u. Holz 8(8). Apr.16,1953. 99.8 F7724

62680 IBEL, R. Der wald in der deutschen dichtung. Allg. Forstz. 8:194-197. Apr.8,1953. 99.8 AL52

62681 INTER-AFRICAN Forestry Conference. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):173-184. 1951,pub.1952. 99.83 An8
English summary.

62682 KERNAN, H. S. Forest conservation for Iran. Foreign Agr. 17:91-92. May 1953. 1.9 Ec7For

62683 KITTANI, H. Forest conservation and development in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:446-458. Apr./June 1953. 22.5 Ir1
English summary, p. 12-13.

62684 KRISCHAUSKY. Die änderung der berechnung der normerfüllung ist notwendig. Wald 3:109-110. Apr. 1953. 99.8 W143
Forest labor.

62685 LANDWIRTSCHAFTSKAMMER FUR OBER-OSTERREICH. FORSTABTEILUNG. Intensive aufklärung, erfolgreiche waldwirtschaft; kurzer jahresbericht 1952 und vorschau auf 1953. Allg. Forstztg. 64:67-68. Mar. 1953. 99.8 AL53

62686 MCKINNON, A. D. Exotic forestry—South Island. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7:236. 1951,pub.1952. 90.09 R81R

62687 MICHIGAN FORESTRY AND PARK ASSOCIATION. Annual meeting, 27th, February 20, 1953. East Lansing,1953. 25 p. 99.9 M586

62688 RECKE, S. GRAF VON DER. Wald und volk in den USA. Forstarchiv 24:27-29. Mar.15,1953. 99.8 F7723

62689 SCHENCK, C. A. Goethe und der baum. Allg. Forstz. 8:204-207. (Cont.) Apr.8,1953. 99.8 AL52

62690 STREHLKE, E. G. Die heutige lage der amerikanischen forstwirtschaft. Forstarchiv 24:2-26. Mar.15, 1953. 99.8 F7723
English summary.

62691 TSCHERMAK, L. Forstliche umschau: wald und forst. Österr. Vrtljahresschr. f. Forstw. 94:42-45. 1953. 99.8 Oe8

62692 WASHINGTON STATE FORESTRY CONFERENCE. Thirty-first annual conference, Seattle, 1952. n.p.,1953. 47 p. 99.9 W276

62693 WESTERN FORESTRY AND CONSERVATION ASSOCIATION. Proceedings of the 43rd annual Western Forestry Conference December 10, 11, 12, 1952, Victoria, British Columbia. Victoria,1952? 84 p. 99.9 W522

Education

62694 DOWDEN, H. A forester's training. Arbor 2 (2):41. Mar.1953. 99.8 Ar17

62695 HOFFMANN, D. Forstliches studium und forstliche forschung in den USA. Forstarchiv 24:43-48. Mar.15,1953. 99.8 F7723
English summary.

62696 KOHL, R. Die revierförsterausbildung im Sudetenland. Forstl. Mitt. 6:62-63. Mar.20,1953. 99.8 F7725

62697 MCCORMICK, L. E. Forestry for boys and girls (4-H forestry projects). Mo. Agr. Col. Ext. 4-H C. 111,40 p. Jan.1953. 275.29 M69B
Contains revised sections of 4-H Circulars 45, Forest appreciation, and 52, Forest seeding and planting, and a new section of woodland management.

62698 PRESTON, R. J. Trends in forestry education in the South. Va. Forests 8(2):6-7,12-14. Mar./Apr. 1953. 99.8 V81

62699 ROBERTSON, C. W. International tells children the story with words and pictures. Forests & People 111(2):24,37. Apr.1953. 99.8 F7628
International Paper Company.

62700 SOUTHERN REGIONAL EDUCATIONAL BOARD COMMISSION ON FORESTRY AND RELATED TRAINING. Toward a regional program of forestry training and research in the South. Atlanta,1952. 55 p. 99.06 So84

Policies, Programs, Administration

62701 ADLAM, W. D. Reforestation can be profitable. Sylva [Toronto] 9(2):19-22. Mar./Apr.1953. 99.8 Sy2

62702 AGRONS, B. Z. Bringing forestry to the small woodlands. West. Forestry & Conserv. Assoc. Proc. 43:15-16. 1952. 99.9 W522

62703 AMINOFF, F. Protection and care of nature in the state forests in Sweden. (In Swedish.) Skogbrukeren 28:110-111. Apr.15,1953. 99.8 Sk54

62704 BADRE, L. Principes d'une politique forestière dans les hautes Vosges alsaciennes. Rev. Forest. Franç. 4:245-256. Apr.1953. 99.8 R329

62705 BARBOSA, J. C. DE M. H. Forestry activities in Santa Catarina. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):108-114. 1951,pub.1952. 99.83 An8

62706 BRITAIN'S forests; the process of rehabilitation. Midland Bank Rev., May 1953:8-9,12-15. 284.8 M58

62707 BROWN, C. P. Reafforestation of desert areas. Trees 16:152-154. Spring 1953. 99.8 T714

62708 CALIFORNIA. DEPT. OF NATURAL RESOURCES. DIV. OF FORESTRY: The range improvement program: the annual report of the Division for 1952. Calif. Cattleman, May 1953:12-13,18-19. 43.8 C12

62709 CHAPPUIS, J. B. La politique forestière de pays pauvres en forêts d'Europe occidentale. Schweiz. Z. f. Forstw. 104:15-26. Jan./Feb.1953. 99.8 J82

62710 DEMMON, E. L. Georgia's forest survey shows new trends. Paper Indus. 35:188-190. May 1953. 302.8 P1923

62711 DUTHIE, G. A. The community forest. Amer. Forests 59(5):14-15,36-37. May 1953. 99.8 F762

62712 GONZALEZ, A. Politica forestal. Almanaque Creditario 10:53-56. 1953. 9.4 AL6
Colombia.

62713 HOPPENSTEDT. Odlandaufforstung und baumpflanzung bei der Emslanderschliessung. Praxis u. Forsch. 5:74-76. Apr.20,1953. 18 P89

62714 HVEDING, A. The administration arrangement for the national forests, etc. (In Norwegian.) Skogbrukeren 28:130-131. May 1,1953. 99.8 Sk54

62715 KERR, E. F. Louisiana State story. Amer. Forests 59(5):22-24,47-48. (Concl.) May 1953. 99.8 F762

62716 KLOHN, R. Entwickelt neue arbeitsmethoden zur einsparung von rohholz. Wald 3:4-5. Jan.1953. 99.8 W143

62717 KNIGGE-BREDENBECK, A. FREIHERR. Der generalplan der deutschen forstwirtschaft. Hannoversche Land- u. Forstwirt. Ztg. 106:411-412,447-448. Apr.4-11, 1953. 18 H194

62718 LINKERT, R. Die rationellste rohholzausformung und rohholzverwertung. (Zum artikel: "Entwickelt neue arbeitsmethoden zur einsparung von rohholz"). Wald 3:5-7. Jan.1953. 99.8 W143

62719 LOVE, W. B. Extension progress in municipal forestry since June 1949. Mich. Forestry & Park. Assoc. Annu. Mtg. 27:1-3. 1953. 99.9 M586

62720 MABER, F. H. The establishment of provincial forests in the Fort George Forest District. West. Forestry & Conserv. Assoc. Proc. 43:16-19. 1952. 99.9 W522

62721 MCARDLE, R. E. Multiple use—multiple benefits. J. Forestry 51:323-325. May 1953. 99.8 F768
National forests.

62722 MALSBERGER, H. J. Work of the conservation foresters. South. Pulp & Paper Mfr. 16(5):50,119. May 11,1953. 302.8 So8

62723 MATTHEWS, J. R. Nature conservation in Great Britain. Arbor 9(2):4-7. Mar.1953. 99.8 Ar17

62724 MOIR, S. Western forestry in 1952. West. Forestry & Conserv. Assoc. Proc. 43:7-9. 1952. 99.9 W522
Work of Western Forestry and Conservation Association.

62725 NORTH BORNEO. FOREST DEPT. Annual report, 1951. Jesselton,1952. 63 p. 99.9 B772

62726 NYASALAND. FORESTRY DEPT. Annual report, 1951. Zomba,1952. 27 p. 99.9 N982

62727 OPAČIĆ, LJ. Concerning usurpations in Bosnia and Hercegovina. (In Serbo-Croatian.) Narod. Sumar 6:213-224. Sept./Oct.1952. 99.8 N16

62728 PALMER, F. L. Public relations and the forester. J. Forestry 51:334-337. May 1953. 99.8 F768

62729 RANDALL, A. G. Administrative practices on private commercial forest lands. J. Forestry 51:358-360. May 1953. 99.8 F768

62730 RECKE, S. GRAF VON DER. Die organisation des US-Forest Service. Forstarchiv 24:29-32. Mar.15, 1953. 99.8 F7723

62731 SOUTHERLAND, C. F. A viewpoint on federal regualtion of private cutting practices, shaped by four years of private forestry. West. Forestry & Conserv. Assoc. Proc. 43:60-62. 1952. 99.9 W522

62732 STONE, J. H. Forestry and the international boundary. West. Forestry & Conserv. Assoc. Proc. 43: 10-12. 1952. 99.9 W522

62733 STRANG, H. E. Some aspects of the forestry problem in Rio de Janeiro. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):99-107.1951,pub.1952. 99.83 An8
Policies and legislation.

62734 THIESMEYER, L. R. Forestry goes into the insurance business. West. Forestry & Conserv. Assoc. Proc. 43:67-70. 1952. 99.9 W522
Research.

62735 U. S. FOREST SERV. Annual statements, receipts, expenditures, investments, service and regional summaries, nursery and research unit summaries, fiscal year 1952. Washington,1952. 77 p. 1.962 A2An7

62736 U. S. FOREST SERV. LAKE STATES FOREST EXPERIMENT STATION. 29th annual report for the calendar year 1952. St. Paul,Minn.,1953? 43 p. 1.9 F7625l

62737 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. 1952 annual report. Does research pay? Fort Collins,1952. 64 p. 1.9 F7627A

62738 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. 1952 annual report. n.p.,1953? 116 p. 1.9 F7624

62739 U. S. FOREST SERV. SOUTHWESTERN FOREST AND RANGE EXPERIMENT STATION. Annual report, calendar year 1952. n.p.,1953? 65 p. 1.9 F7621

62740 WATT, J. M. Tree policy in South Africa. Trees So. Africa 4(4):7-13. Ref. Jan./Mar.1953. 99.8 T716

62741 WEBER, H. Consideraciones sobre la forestación. Chile Maderero 3:8-9. Mar.15,1953. 99.8 C43

62742 WEITZ, J. Objections and problems in forestry. (In Hebrew.) La-Yaaran 3:7-10. Nov.1952. 99.9 So19
English summary, p. 37.

62743 WRIGHT, C. E. The South puts down its roots. Amer. Forests 59(5):16-18,49. May 1953. 99.8 F762
Reforestation.

Legislation and Taxation

62744 BØHMER, J. G. Forest taxation. (In Norwegian.) Skogeieren 40:75-76. Mar.15,1953. 99.81 Sk5

62745 BUSHE, VON. Das forstwirtschaftliche vermögen als steuerquelle. Forst u. Holz 8:92-94. Apr.1, 1953. 99.8 F7724

62746 HEYERDAHL, J. P. Observations on forest concession and preemption right. (In Norwegian.) Skogbrukeren 28:96-98. Apr.1,1953. 99.8 Sk54

62747 HEYERDAHL, J. P. Observations on forest concession and preemption right. (In Norwegian.) Skogbrukeren 28:117-118,120. (Concl.) Apr.15,1953. 99.8 Sk54

62748 HEYERDAHL, J. P. Observations on forest concessions and preemption rights. (In Norwegian.) Norsk Skogindus. 7:119-124. Apr.1953. 99.82 N81

62749 MAHOOD, I. Taxation and tree farming in British Columbia. West. Forestry & Conserv. Assoc. Proc. 43:62-64. 1952. 99.9 W522

Forest Description and Resources

62750 AMERICAN FOREST PRODUCTS INDUSTRIES. Facts about forests of New England, 1953 ed. Washington, 1953. 15 p. 99.9 Am32Fn

62751 BAKER, H. L., and POLI, A. Area and ownership of forest land in Del Norte County, California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 18,23 p. Jan.1953. 1.9 F7626F

62752 CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. FORESTRY BR. Amendments, 1953, to forest and forest products statistics, Canada. Canada. Dept. Resources & Devlpmt. Forestry Br. B. 106,15 p. 1953. 99.9 C16B

62753 DAVIS, J. E., FERREE, M. J., and STOUT, N. J. Forest resources of Broome County. N. Y. State U. Col. Forestry. B. 28,34 p. Aug.1952. 99.9 N486B

62754 DURGNAT, P. A. Swamp forests in lower Perak. Malayan Forester. 15:127-131. July 1952. 99.8 M292

62755 FISCHER, E. Holzversorgung in europäischer sicht. Wchnbl. f. Papierfabrik. 81:199-200. Mar.1953. 302.8 W81

62756 FREY, G. Heiliger bergwald. Allg. Forstz. 8:197-199. Apr.8,1953. 99.8 AL52

62757 FRYJORDET, T. Forests and forestry in Ohio. (In Norwegian.) Skogbrukeren 28:100-103. Apr.1, 1953. 99.8 Sk54

62758 GT. BRIT. FORESTRY COMMISSION. COMMITTEE ON AERIAL SURVEY OF FORESTS. Report. London,1952. 27 p. 99.4 G792

62759 HADFIELD, C. N. Charnwood Forest; a survey. Leicester,Backus,1952. 104 p. 98.7 C38

62760 INDIA. MINISTRY OF FOOD AND AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Indian forest statistics 1948-49. Calcutta,1952. 74 p. 99.9 In22S

62761 KISSIN, I. A situação madeireira da Amazônia; um estudo preliminar [Timber situation in the Amazon Valley; a preliminary study]. Belém,Pará,Banco de Crédito da Amazônia,1952. 118 p. 99.24 K64
English summary.

62762 LARSON, R. W. The timber supply situation in Florida. Washington,U. S. Forest Serv. Forest Resource Rpt. 6,60 p. 1952. 1 F76Frr

62763 MCKINNEY, G. N. Facts and figures. Sylva [Toronto] 9(2):3-13. Mar./Apr.1953. 99.8 Sy5
Canadian forests.

62764 MCKINNON, A. D. Forestry on the Auckland gumlands. (Abs.) Roy. Soc. New Zeal. Sci. Cong. Rpt. 7: 235. 1951,pub.1952. 90.09 R81R

62765 QUERENGÄSSER, F. Beiderseits der Kaskaden-kammlinie. Forstarchiv 24:48-58. Ref. Mar.15, 1953. 99.8 F7723
English summary.

62766 RAVEN, M. VON. Die forstlichen [illegible]ältnisse im staate New Hampshire. Forstarchiv 24:6[illegible] Mar. 15,1953. 99.8 F7723
English summary.

62767 REINHOLD, M. Nachhaltshiebsatz und zuwachs im bundesgebiet. Holz-Zentbl. 79:535-536. Apr.18,1953. 99.81 H742

62768 SILVEN, F. Forest statistics. (In Swedish.) Skogen [Stockholm] 40:92-93,98. May 1,1953. 99.8 Sk51

62769 SOEPARDI, R. Forest exploitation object: Samarinda. (In Indonesian.) Rimba Indonesia 2:2-57. Jan./Feb.1953. 99.8 R46
English summary.

62770 SOSA, A. H. Parque Nacional Desierto de los Leones. Mexico, Secretaría de Agricultura y Ganadería, Dirección General Forestal y de Caza,1952. 137 p. (Los Parques Nacionales de México) 98.6 M572

62771 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Schweizerische forststatistik, 1950. Switz. Eidg. Statis. Amt. Statis. Quellenwerke der Schweiz 242,39 p. 1953. 262 St2Q

62772 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Forest type classification for Pacific Northwest Region. Rev. Portland,Oreg.,1952. 33 p. 1.9622 P2F764

62773 U. S. FOREST SERV. SOUTHERN FOREST AND RANGE EXPERIMENT STATION. Forest statistics for Arkansas. A report of the Southern Forest Survey. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 71,50 p. Mar.1953. 1.9 F7624F

62774 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Timber volume by county in Arkansas, 1948-51. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 71(sup.),4 p. Mar.1953. 1.9 F7624F

Individual Genera and Species

62775 BARROS, W. D. DE. Eucalyptus, pioneer of Brazilian silviculture. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):95-98. ,1951,pub.1952. 99.83 An8

62776 BASTOS, A DE M. Brazilian mahogany [Swietenia]. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):137-141. ,1951,pub.1952. 99.83 An8

62777 CAPON, M. Les noms vernaculaires des principales essences forestières à Yangambi (Turumbu). Belgium. Min. des Colon. B. Agr. du Congo Belge 44:91-118. Feb.1953. 24 K83

62778 CHEVALIER, A. L'argan, les marmulanos et les noyers, arbres d'avenir en Afrique du Nord, en Macaronésie et dans les régions semi-désertiques du globe si on les protège et si on les améliore. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:165-168. Mar./Apr.1953. 26 R323
Eucalyptus, Sideroxylon marmulana, and Juglans regia.

62779 CUNNINGHAM, R. N., and FINDELL, V. Resurgence of tamarack [Larix laricina] in Minnesota. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 397,2 p. Apr.1953. 1.9 F7625T

62780 DELISLE, R. L'érablière. Abeille et l'Erable 22:55-56. (Cont.) Apr.1953. 424.8 Ab32

62781 DICKINSON, T. A. Know your wood.Joshua tree. Wood Working Digest 55(5):91-95. May 1953. 99.82 W87

62782 DOMINGUEZ MARTIN, J. El castaño a monte bajo. Agricultura [Madrid] 22:141-143. Mar.1953. 15 Ag84

62783 DUCHAUFOUR, P. Régénération de l'Epicéa et pédologie. Rev. Forest. Franç. 4:257-268. Apr.1953. 99.8 R329

62784 EHRHARDT, O. Zur aufzucht der Douglasie. Wald 3:56. Feb.1953. 99.8 W143

62785 ESTEY, W. R. The U.S. can grow cork. Amer. Forests 59(5):13,46. May 1953. 99.8 F762

62786 FRANCARDI, P. Aspen - premise and promise. (In Italian.) Colt. e Gior. Vinic. Ital. 99:85-86. Mar. 1953. 16 C72

62787 GARDNER, C. A. Trees of Western Australia. 13-15. West. Austral. Dept. Agr. J. (ser.3)2:65-71. Jan./Feb.1953. 23 W52J
13, The coral-flowered gum (Eucalyptus torquata Luehm.); 14, The lemon-flowered gum (Eucalyptus Woodwardii Maiden.); 15, The white mallee (Eucalyptus erythronema Turcz.).

62788 GROULX, G., and LOUIS-MARIE, P. Etude sur les érables du Québec. II. Rev. d'Oka 27:41-43. Mar./Apr.1953. 7 Ok1

62789 GUILKEY, P. C. Jack pine [Pinus banksiana] growth rates in Minnesota. U. S. Forest Serv. Lakes Forest Expt. Sta. Tech. Note 394,1 p. Apr.1953. 1.9 F7625T

62790 GUPTA, J. N. S. Cultivation of bamboos in West Bengal. West Bengal Forest B. 1,10 p. Ref. 1952. 99.9 W5222
Bambusa and Dendrocalamus species.

62791 HOLZMANN, S. Z., and HOLZMANN, A. Eucalyptus grown as a commercial tree. (In Hebrew.) Hassadeh 33:323-324. Feb./Mar.1953. 26 H27

62792 HOUTZAGERS, G. Gegenwartsfragen des pappelanbaues in den Niederlanden. Allg. Forstz. 8:223-226. Apr.29,1953. 99.8 AL52
English summary.

62793 KIELLANDER, C. L. Continental spruce. (In Swedish.) (Sum.) Skogen [Stockholm] 40:46*-48*. Apr. 15,1953. 99.8 Sk51
In Sweden.

62794 KOZDON, P. Comportamiento de diversas especies forestales extranjeras en el sur de Chile. Chile Maderero 2:181-185. Nov.1952. 99.8 C43

62795 LUNA ERCILLA, C. A. Los palmares de caranday [Copernicia cerifera] y sus posibilidades economicas en Cordoba. Pampa Argentina 26(301):4,23. Jan.1953. 9 P19

62796 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Know your trees. Mass. U. Agr. Ext. 4-H L. 54,10 p. June 1952. 275.29 M381J

62797 MULLER. Anzucht von lärchen-wildlingen. Wald 3:30-31. Jan.1953. 99.8 W143

62798 NAIR, K. N. R. The cultivation of balsa (Ochroma lagopus S.W.). Indian Forester 79:163-168. Mar. 1953. 99.8 In2

62799 NIELSEN, P. C. Red oak in North America. (In Danish.) Dansk Skovfor. Tidsskr. 38:225-302. Ref. Mar.1953. 99.8 D23

62800 OIENI, S. Manna ash in Sicily. (In Italian.) Monti e Boschi 4:113-123. Mar.1953. 16 M76
English summary.
Varieties.

62801 PAVARI, A. A new variety of loricate pine [Pinus heldreichi leucodermis]. (In Italian.) Monti e Boschi 4:130. Mar.1953. 16 M76

62802 PEATTIE, D. C. A natural history of Western trees. Boston,Houghton Mifflin,1953. 751 p. 454 P32N

62803 PICKEL, D. B. J. The marsh pine [Taxodium] and its value in reforestation of marsh lands. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384):18. Jan.1953. 9.2 B733

62804 PICKEL, D. B. J. The principal timber-supplying trees. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):142-172. (Cont.) ,1951,pub.1952. 99.83 An8
English summary.

62805 POURTET, J. Le mélèze [Larix leptolepis] du Japon. Rev. Forest. Franç. 4:291-296. Apr.1953. 99.8 R329

62806 RAIZADA, M. B. The redwood of China (Metasequoia glyptostroboides Hu et Cheng). Indian Forester 79:159-162. Ref. Mar.1953. 99.8 In2

62807 RELANDER, E. Preliminary experiences with the culture of true willows. (In Finnish.) Puutarha 1:30-32. Jan.1953. 80 P99
Swedish summary, p. 48.

62808 SCHMID, H., and ZEIDLER, H. Beobachtungen und gedanken zum rückgang der tanne [Abies alba]. Forstwiss. Centbl. 72:101-110. Ref. Mar./Apr.1953. 99.8 F775

62809 VEIGA, A. DE A. Growing Leguminosae in farm woodlands. (In Portuguese.) Soc. Rur. Bras. Rev. 33(385):30. Feb.1953. 9.2 B733
Leguminous trees.

62810 WARD, J. D. U. Thuja's centenary. Estate Mag. 53:156-157. Apr.1953. 10 Es8
Thuja plicata.

62811 WIELICZKA, Z. The problem of Brazilian pine [Araucaria angustifolia] forests. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):37-42. 1951,pub. 1952. 99.83 An8
English summary.

FOREST MANAGEMENT AND FINANCE

62812 ANDERSON, M. L. Plea for the adoption of the standing control or check in woodland management. Scot. Forestry 7:38-47. Apr.1953. 99.8 Sco3

62813 ASSMANN, E. Bestockungsdichte und holzerzeugung. Forstwiss. Centbl. 72:69-101. Ref. Mar./Apr. 1953. 99.8 F775

62814 BARREDA, J. A. Explotación de bosques de Eucalipto en la Sierra. Vida Agr. [Lima] 30:139,141,143-144. Feb.1953. 9.8 V66

62815 BERGER, K. Arbeitseinsatzplanung in den saatlichen forstwirtschaftsbetrieben (formularentwicklung). Wald 3:50-51. Feb.1953. 99.8 W143

62816 BROWN, A. G. They're banking on forestry. Amer. Forests 59(5):10-12,28-30. May 1953. 99.8 F762

62817 CONTINUOUS forest inventory. South Lumberman 186(2331):44-45. May 15,1953. 99.81 So82

62818 EVANS, E. F. No such thing as "cut out and get out" now that forest industries practice conservation. Soil & Water Mag. 2(5):14-15. May 1953. 54.8 So3

62819 FLANAGAN, G. C. Cooperative communications. West. Forestry & Conserv. Assoc. Proc. 43:77. 1952. 99.9 W522

62820 GAYLER. Privatwaldbetreuung und steigerung der holzerzeugung. Holz-Zentbl. 79:644. May 12, 1953. 99.81 H742

62821 GIBSON, J. M. The history of forest management in New Brunswick. Brit. Columbia. U. H. R. MacMillan Lectureship Forestry 1,14 p. 1953. 99.9 B7722

62822 GREYERZ, H. VON. Mehr freiheit dem wirtschafter. Schweiz. Z. f. Forstw. 104:26-32. Jan./Feb. 1953. 99.8 J82

62823 GROSSMANN, H. Zusammenlegung zerstückelter privatwaldungen in der Schweiz mit besonderer berücksichtigung des Kantons Zürich. Allg. Forst- u. Jagdztg. 124:145-153. Apr.1,1953. 99.8 AL3

62824 GUIBERSON, M. Problems in the use of radio by state forestry and conservation departments. West. Forestry & Conserv. Assoc. Proc. 43:77-78. 1952. 99.9 W522

62825 HAFNER, F. Forstaufschliessung und holzbringung im dienste der übrigen zweige der forstlichen wirtschaft. Österr. Vrtljahresschr. f. Forstw. 94:1-11. 1953. 99.8 Oe8

62826 HAWLEY, N. R. 25-year-old stand shows unusual yield. Forest Farmer 12(7):10-11. Apr.1953. 99.8 F7692
Georgia.

62827 HEY, W. Unser forst ein arbeitsgegenstand oder arbeitsmittel? Wald 3:10-12;42-44. (Cont.) Jan.-Feb.1953. 99.8 W143

62828 HOPKINS, W. C. Stand improving cost compared in timber study. Miss. Farm Res. [Miss. Sta.] 16 (4):1,3-4. Apr.1953. 100 M69Mi

62829 KHAN, M. A. W. South Raipur Sal forest and its ecological study, with special reference to its management. Indian Forester 79:184-191. Mar.1953. 99.8 In2

62830 NYGAARD, J. Assesment and insurance of young forest. (In Norwegian.) Skogbrukeren 28:89-91. Apr.1,1953. 99.8 Sk54

62831 PLAYFAIR, G. A. Communications in Canadian forestry. West. Forestry & Conserv. Assoc. Proc. 43:78-79. 1952. 99.9 W522

62832 RAVEN, M. VON. Der privatwald in den USA seine förderung und betreuung. Forstarchiv 24:33-37. Mar.15,1953. 99.8 F7723
English summary.

62833 REGENSTEIN, E. Die Rühner laubholzwirtschaft. Wald 3:36-39. (Cont.) Feb.1953. 99.8 W143

62834 REGENSTEIN, E. Die Rühner laubholzwirtschaft. 2. Wald 3:110-114. Apr.1953. 99.8 W143

62835 RICHEN, C. W. Forest inventory problems for intensive management. West. Forestry & Conserv. Assoc. Proc. 43:21-22. 1952. 99.9 W522

62836 SCHROEDER, G. Die aufgaben des waldbaus und der betriebsplan. Wald 3:98-100. Apr.1953. 99.8 W143

62837 SELLERS, J. D. Evaluating a cooperative forest management program. J. Forestry 51:364-366. May 1953. 99.8 F768

62838 WEJDMARK, P. Sturdy forests and silviculture. (In Swedish.) Skogen [Stockholm] 40:96-98. May 1,1953. 99.8 Sk51

Farm Woodlands

62839 ERICSSON, H. Spruce [Picea abies] hedge as windbreak. (In Swedish.) Bitidningen 52:79-80. Apr. 1953. 424.8 B54

62840 MULLER, H. Ertragssteigerung im bauernwald unter anwendung der vorratspfleglichen waldwirtschaft. Wald 3:27-28. Jan.1953. 99.8 W143

62841 SWINGLER, W. S. Forestry as a part of the farm enterprise. J. Soil & Water Conserv. 8:29-32. Jan.1953. 56.8 J822

62842 URQUHART, B. Small woods. Scot. Agr. 32: 200-203. Spring 1953. 10 Sco82So

62843 YAMAMOTO, R., and HIRAO, R. On the micrometeorological condition in the field using the bamboos as a protection against the frost. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:5-6. Nov.1952. 22.5 C88
English summary.

62844 YAMAMOTO, R. On the windbreak in the field. III. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:3-4. Nov.1952. 22.5 C88
English summary.

62845 YAMAMOTO, R. On the windbreak in the field. IV. On the influence of various windbreaks upon the micrometeorological condition in the farm field. (In Japanese.) Crop Sci. Soc. Japan. Proc. 21:111-112. Nov.1952. 22.5 C88
English summary.

Mensuration, Surveying, Photogrammetry

62846 ANDERSSON, S. O. Barkmasseprocenter för timmer och massaved av tall och gran i Norrland. Bark percentages for timber and pulpwood of pine and spruce in Northern Sweden. Sweden. Stat. Skogsforskinst. Meddel. 41(5),40 p. 1952,pub.1953. 99.9 Sw32
English summary.

62847 COSMA, D. Preliminary study of wooded areas by panoramic aerial photography. (In Italian.) Monti e Boschi 4:124-126. Mar.1953. 16 M76

62848 EIC, N. Modified Christen's hypsometer. (In Serbo-Croatian.) Narod. Šumar 6:240-246. Sept./Oct. 1952. 99.8 N16

62849 FOSTER, R. E., and FOSTER, A. T. Estimating decay in western hemlock. II. Brit. Columbia Lumberman 37(4):40-41,56,58,102. Apr.1953. 99.81 B77

62850 GLASER, H. Die photographische methode zur festgehaltsermittlung von schnittholz. Holz-Zentbl. 79: 545. Apr.18,1953. 99.81 H742

62851 KER, J. W. The relationship between the number of trees per acre and the percentage stocking of reproduction. J. Forestry 51:342-344. May 1953. 99.8 F768

62852 KRAHL-URBAN, J. Photography in the service of forestry. Photog. u. Forsch. 5:86-90. Oct.1952. 332.8 P565

62853 LOETSCH, F. Die anwendung des luftbildes als grundlage von vorratsinventuren in den USA. Forstarchiv 24:75-85. Ref. Mar.15,1953. 99.8 F7723
English summary.

62854 MATHIEU, H. Les règles a calcul spéciales pour marchands de bois et exploitants forestiers. Bois et Scieries 29:357-358. Mar.26,1953. 99.81 B632

62855 MILDNER, H. Zuwachssteigerung. Wald 3:50-51. Feb.1953. 99.8 W143

62856 MOESSNER, K. E. An aerial photo scale-protractor. U. S. Forest Serv. Cent. States Forest Expt. Sta. Notes 74,2 p. Apr.1953. 1.9 F76252S

62857 MOLLER, B. Untersuchungen über die grossraumtaxe. Wald 3:118-120. Apr.1953. 99.8 W143

62858 PECHMANN, H. VON. Beobachtungen über den ablauf des jährlichen holzzuwachses von fichten auf gebirgsstandorten. Forstwiss. Centbl. 72:124-130. Ref. Mar./Apr.1953. 99.8 F775

62859 RIEBEN, E. L'emploi du système décimal pour la numérotation des divisions. Schweiz. Z. f. Forstw. 104:49-50. Jan./Feb.1953. 99.8 J82

62860 WESTVELD, M. Empirical yield tables for spruce-fir cut-over lands in the Northeast. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 55,64 p. 1953. 1.9622 N2St22

62861 WILHELMI, T. Masse und kommerzielle vermessungssysteme der forst- und holzwirtschaft in Nord-Amerika und Grossbritannien. Bundesanst. f. Forst- u. Holzwirt. Merkbl. 11,23 p. Ref. Oct.1952. 99.9 R273M
English summary.

Silviculture

62862 ALMBERGER, P., and NYGREN, K. G. Some results of work studies in silviculture. (In Swedish.) Skogen [Stockholm] 40:42*-45*,53*. Apr.15,1953. 99.8 Sk51

62863 ASSMANN, E. Versuchsfeld-anordnung bei forstlichen meliorationsversuchen. Allg. Forstz. 8:210-212. Apr.22,1953. 99.8 AL52

62864 DUFFIELD, J. W., and RIGHTER, F. I. Annotated list of pine hybrids made at the Institute of Forest Genetics. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Notes 86,9 p. Ref. Apr.13, 1953. 1.9 F7626R

62865 DUFFIELD, J. W. Pine pollen collection dates—annual and geographic variation. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Notes 85,9 p. Mar.3,1953. 1.9 F7626R

62866 GOOR, C. P. VAN. Bodenbearbeitung und standortsdiagnose. (In Dutch.) Nederland. Boschbouw-Tijdschr. 25:90-109. Ref. Apr.1953. 99.8 N28
German summary.

62867 GOTHE, H. Lärchen-mischbestockungen auf buntsandstein unter besonderer berücksichtigung der vergesellschaftung mit der buche. Forst u. Holz 8:109-114. Apr.16,1953. 99.8 F7724

62868 JOHNSSON, H. Growth of young hybrid aspen and an attempt at forecasting the future. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 51:73-96. Ref. 1953. 99.8 Sk5
Populus tremuloides x tremula.

62869 KÄSA, J. The role of hardwood trees in a spruce stand. (In Norwegian.) Skogbrukeren 28:105-109. (Cont.) Apr.15,1953. 99.8 Sk54

62870 KHANNA, L. S. Khair coppice. Indian Forester 79:201-204. Mar.1953. 99.8 In2

62871 LEBARRON, R. K., and JEMISON, G. M. Ecology and silviculture of the Engelmann spruce-alpine fir type. J. Forestry 51:349-355. Ref. May 1953. 99.8 F768

62872 MATHAUDA, G. S. The tree species of the tropical evergreen ghat forests of kanara (Bombay) and their rate of growth. Indian Forester 79:208-233. Apr. 1953. 99.8 In2

62873 MITSCHERLICH, G. Über die schwierigkeiten bei der zusammenfassung ertragskundlicher versuchsergebnisse bei berücksichtigung der wuchsgebiete. Allg. Forst- u. Jagdztg. 124:125-131. Apr.1,1953. 99.8 AL3
English summary.

62874 PHILIPPIS, A. DE. The effect of forestry research on modern sylviculture. (In Hebrew.) La-Yaaran 3:10-14. Nov.1952. 99.9 So19
English summary, p. 37.

62875 STONE, E. L. The origin of epicormic branches in fir. J. Forestry 51:366. May 1953. 99.8 F768

62876 TKATSCHENKO, M. E. Für Mitschurinsche grundsätze in der waldanzucht. 2. Wald 3:114-116. Apr. 1953. 99.8 W143

62877 WALTON, A. B., BARNARD, R. C., and WYATT-SMITH, J. Silviculture of lowland dipterocarp forest in Malaya. (Extr.) Unasylva 7:19-23. Mar.1953. 99.8 Un1

Silvicultural Practices

62878 AREND, J. L. Controlling scrub aspen with basal sprays. Down Earth 9:10-11. Summer 1953. 381 D75

62879 BOGGESS, W. R., and MCMILLAN, F. W. First thinning yields from a 15-year-old shortleaf pine plantation in southern Illinois. Ill. Agr. Expt. Sta. Forestry Note 36,2 p. Apr.15,1953. 99.9 IL62

62880 BOGGESS, W. R., and MCMILLAN, F. W. Growth and second thinning yields in a 16-year-old shortleaf pine plantation in southern Illinois. Ill. Agr. Expt. Sta. Forestry Note 35,4 p. Apr.17,1953. 99.9 IL62

62881 COOPER, R. W. Prescribed burning to regenerate sand pine [Pinus clausa]. South. Lumberman 186(2331):50. May 15,1953. 99.81 So82

62882 DANNECKER, K. Das plenterprinzip im fichtenwald des niederungslands. Schweiz. Z. f. Forstw. 104:41-48. Jan./Feb.1953. 99.8 J82

62883 EKLUND, B. Fortsatta studier över ett gallringsförsök i stavagranskog. Further studies relating to thinning experiments in a spruce pole thicket. Sweden. Stat. Skogsforskinst. Meddel. 41(10),66 p. Ref. 1952,pub. 1953. 99.9 Sw32
English summary.

62884 FRANSSON, P. Bekämpning av björk i Norrland medelst hormonderivat. Control of birch in Northern Sweden with weed killers. Sweden. Stat. Skogsforskinst. Meddel. 41(1),20 p. 1952,pub.1953. 99.9 Sw32
English summary.

62885 GARIN, G. I. Suggestions for pruning Southern pines. Ala. Agr. Expt. Sta. L. 35,7 p. Mar.1953. 100 AL1S

62886 HAWKES, C. Planes release tree plantation. J. Forestry 51:345-348. May 1953. 99.8 F768
Spraying with 2,4-D to control alder and willow.

62887 HUSE, S. Disbudding of pine. (In Norwegian.) Skogeieren 40:84-85. Mar.15,1953. 99.81 Sk5

62888 KARSCHON, R. The principles of sylvicultural thinning. (In Hebrew.) La-Yaaran 3:15-18. Nov.1952. 99.9 So19
English summary, p. 36.

62889 KOZDON, P. Los bosques de pinos insignes y su transformacion en bosques mixtos. Chile Maderero 2:149-153. Oct.1952. 99.8 C43
Pinus radiata.

62890 LARSON, W. H. Airplane spraying for weed trees. West. Forestry & Conserv. Assoc. Proc. 43:46-47. 1952. 99.9 W522

62891 LEMPS, F. DE. Les problémes posés par le taillis sous futaie dans la Vallée de la Saone. Forêts de France et Action Forest. 45:6-7. (Cont.) Mar.1953. 99.9 F315

62892 MANN, W. F. Pruning raises pine profits. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68(5):150-151. May 1953. 6 P945K

62893 MATHAUDA, G. S. A study into the thinning intensities for plantation sal (Shorea robusta). Indian Forester 79:152-158. Mar.1953. 99.8 In2

62894 MØLLER, C. M. Effect of thinning on growth. II. (In Danish.) Svenska Skogsvårdsför. Tidskr. 51:1-14. Ref. 1953. 99.8 Sk5

62895 NAUMANN, B. Das absprengen von wipfeln. Wald 3:13-14. Jan.1953. 99.8 W143

62896 OEDIN, and ACHMAD SOESILOWIDJOJO, R. Investigations concerning the natural regeneration of Agathis borneensis Warb. at Sampit, Southern Borneo. (In Indonesian.) Rimba Indonesia 2:66-83. Jan./Feb.1953. 99.8 R46
English summary.

62897 PLANT thinning. Arbor 2(2):33-34. Mar.1953. 99.8 Ar17
Young stands in Sweden.

62898 RALSTON, R. A. Time required to prune red pine to various heights. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 391,1 p. Apr.1953. 1.9 F7625T

62899 SCHREIBER, A. Pressballenpflanzung; (ein beitrag zur verbesserung des kulturbetriebes im Mittelgebirge). Wald 3:18-25. Jan.1953. 99.8 W143

62900 VOLKERT, E. Untersuchungen über das verhalten von astwunden nach grünastung und naturlichem astabfall bei rotbuche. Forstwiss. Centbl. 72:110-124. Ref. Mar./Apr.1953. 99.8 F775
Fagus sylvatica.

62901 WHARTON, B. Girdling pays off for Hollingsworth and Whitney Co. Ala. Lumberman 5(5):16-17. May 1953. 99.81 AL1

Seeding and Planting

62902 AFANASIJEV, D. Forestation with planting in nests. (In Serbo-Croatian.) Narod. Šumar 6:203-210. July/Aug.1952. 99.8 N16

62903 AUNG, U. S. T. Regeneration of teak [Tectona] in Burma. Burmese Forester 2:71-78. Sept.1952. 99.8 B92

62904 BAUMAN, M. Improvements in a central forest nursery. (In Hebrew.) La-Yaaran 3:30-31. Nov.1952. 99.9 So19

62905 BRAZIL. SERV. FLORESTAL. Reforestation of the steel region of central Brazil. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):247-261. 1951,pub. 1952. 99.83 An8
English summary.
Planting Eucalyptus trees for fuel.

62906 CONOVER, D. F. Effects of competition on red pine [Pinus resinosa] and white pine [Pinus strobus] reproduction. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 392,2 p. Apr.1953. 1.9 F7625T

62907 DIAZ SERRANO, V. Repoblación forestal. Oriente Agr. 4(37):6-7. Jan.1953. 8 Or4
Cuba.

62908 EDWARDS, M. V. Frost damage to Sitka spruce [Picea sitchensis] plants in the nursery and its relation to seed origin. Scot. Forestry 7:51. Apr.1953. 99.8 Sco3

62909 ELMER, W. Fragen der walderneuerung; (erfahrungen bei den grossaufforstungen im mittleren Thüringer wald). Wald 3:44-47. (Cont.) Feb.1953. 99.8 W143

62910 FOWELLS, H. A. Regeneration problems and research in California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Misc. Paper 10,4 p. Mar.6,1953. 1.9622 C2M68

62911 KERMODE, C. W. D. The use of "taungya" in natural regeneration operations. Burmese Forester 2:65-70. Sept.1952. 99.8 B92

62912 LARSEN, S. A new planting plow with interesting possibilities. (In Danish.) Dansk Hedeselsk. Hedeselsk. Tidsskr. 74:41-44. 1953. 11 H35

62913 LESLIE, A. P. Direct seeding as a means of reforestation. Pulp & Paper Mag. Canada 54(5):180-183-184,186,188. Ref. Apr.1953. 302.8 P96

62914 MAY, J. T., and LIVINGSTON, K. W. Uniform seedlings one goal of Auburn tree research. Ala. Lumberman 5(5):11,17. May 1953. 99.81 AL1

62915 MERGEN, F. Selection and breeding of longleaf pine [Pinus palustris]. Nav. Stores Rev. 63(7):12-14, 23-26. May 16,1953. 99.81 N22

62916 NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Application blank and information on Clarke-McNary seedling trees. Nebr. Agr. Col. Ext. E. C. 1726,8 p.-folder. Jan. 1953. 275.29 N272Ex

62917 RAO, H. S. Vegetative propagation and forest tree improvement. Indian Forester 79:176-183. Ref. Mar.1953. 99.8 In2

62918 ROTTY, R. Forest and shelterbelt planting in the United States during 1952. J. Forestry 51:356-358. May 1953. 99.8 F768

62919 RUDOLF, P. O. 1952 forest tree seed crop fair in Lake States. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 393,2 p. Apr.1953. 1.9 F7625T

62920 SAMPAIO, A. N. Instruções para o plantio do eucalipto [Instructions for planting eucalyptus]. Piracicaba,Tip. Jornal de Piracicaba,1952. 26 p. 99.47 N222I

62921 SARVAS, R. Seed source plantation. (In Finnish.) Metsätaloudellinen Aikakauslehti 3/4:73-76. 1953. 99.9 F49
English summary.

62922 SCHONBACH. Fragen der forstpflanzenzüchtung, insbesondere anlagen von saatzuchtplantagen. 2. Wald 3:26-27. Jan.1953. 99.8 W143

62923 ŠIMÁK, M. Om bevattning av tallsådd med saltvatten. On watering of pine seeds with sea water. Sweden. Stat. Skogsforskinst. Meddel. 41(4),14 p. 1952, pub.1953. 99.9 Sw32
English summary.

62924 STÄÄL, E. Some views on the possible development of oaks in mixed stands. (In Swedish.) Skogsvardsstyr. Arbjält., p. 1*-6*. In Svenska Skogsvårdsför. Tidskr. 51(1). 1953. 99.8 Sk5

62925 TALLER, M. Planting distances of Aleppo pine trees in a forest. (In Hebrew.) La-Yaaran 3:29. Nov.1952. 99.9 So19
English summary, p. 35.

62926 TIRÉN, L. Om försök med sådd av tall- och granfrö i Norrland. On experiments in sowing pine and spruce seed in Northern Sweden. Sweden. Stat. Skogsforskinst. Meddel. 41(7),110 p. Ref. 1952,pub.1953. 99.9 Sw32

62927 TORTORELLI, L. A. El Delta del Rio Paraná es región privilegiada para maderas blandas y de crecimiento rapido. III. B. Argentino Forest. 10(99):7. Jan.1953. 99.9 B632

62928 TORTORELLI, L. A. El delta del Río Paraná es región privilegiada para maderas blandas y de crecimiento rapido. B. Argentino Forest. 10(100):7. (Cont.) Feb.1953. 99.9 B632
Suggestions on which trees to plant.

62929 VEIGA, A. DE A. Collection of [tree] seeds on farms. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384): 19. Jan.1953. 9.2 B733

62930 VERED, Z. Planting of forests in California. (In Hebrew.) La-Yaaran 3:23-24. Nov.1952. 99.9 So19
English summary, p. 36-35.

62931 WASJUTIN, C. Dangers of reforestation with exotic trees. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):196-201. 1951,pub.1952. 99.83 An8
English summary.

62932 WETTSTEIN, W. Förderung der forstsamengewinnung aus pfropfplantagen. Österr. Vrtljahresschr. f. Forstw. 94:36-41. 1953. 99.8 Oe8

62933 WRIGHT, J. W. A survey of forest genetics research. J. Forestry 51:330-333. May 1953. 99.8 F768

62934 ZEBADUA C., M. Reforestacion sistema de maceta multiple. Mensajero Forest. 102:9-11,19. Mar. 1953. 99.8 M522

Forest Protection and Damage

62935 COTTA, A. Reparation of war damage. (In Italian.) Indus. del Legno 5(2):21-22. Feb.1953. 99.82 In2
To forests.

62936 CURTIS, J. D., and WILSON, A. K. Porcupine feeding on ponderosa pine in central Idaho. J. Forestry 51:339-341. May 1953. 99.8 F768

62937 FEAVER, B. R. The gale damage of 31/1/53, a preliminary note. Scot. Forestry 7:48-50. Apr.1953. 99.8 Sco3

62938 FRANK, F. Umfang, ursachen und bekämpfungsmöglichkeiten der mäusefrassschäden in forstkulturen. Nachrbl. des Deut. Pflanzenschutzdienstes 4:183-189. Dec.1952. 442.9 B832

62939 GIORDANO, E. Protection of reforestation against avalanches. (In Italian.) Monti e Boschi 4:110-112. Mar.1953. 16 M76
English summary.

62940 GOBIET, M. Dégâts d'ecureuils dans les pineraies. Soc. Roy. Forest. de Belg. B. 60:164-166. Mar.1953. 99.9 B83

62941 HAWKES, C. L. Something new in weed tree control. West. Forestry & Conserv. Assoc. Proc. 43: 45-46. 1952. 99.9 W522
2,4-D.

62942 ITO, E. A survey of the salt-wind-resisting property of Japanese black and red-pine (Pinus thunbergii Parl. and Pinus densiflora Sieb. et Zucc.). (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:134-145. Ref. 1952. 107.6 Iw92
English summary.

62943 KERNAN, H. S. The crisis of charcoal in Iran. Yale Forest Sch. News 41:25-26. Apr.1953. 99.8 Y1

62944 MCKEE, R. G. Forest protection planning and training in the B. C. Forest Service. West. Forestry & Conserv. Assoc. Proc. 43:43-44. 1952. 99.9 W522
Fires.

62945 METZ-NOBLAT, H. DE. Le cyclone du 13 décembre 1952. Soc. Forest. de Franche-Comté et des Prov. de l'Est. B. Trimes. 26:494. Mar.1953. 99.9 So14
Damage to forests.

62946 SCHINDLER, U. Die erdmaus (Microtus agrestis L.), ein gefährlicher forstschädling. Prakt. Desinfekt. 45:174-177. Ref. Feb./Mar.1953. 449.8 Z36P

62947 SCHUBERT, G. H. A trial of three chemicals as rodent repellents in direct seeding. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Notes 84, 2 p. Ref. Feb.4,1953. 1.9 F7626R

62948 TEVIS, L. Effect of vertebrate animals on seed crop of sugar pine. J. Wildlife Mangt. 17:128-131. Apr.1953. 410 J827
Rodents and birds.

62949 THOMPSON, H. V. The use of repellents for preventing mammal and bird damage to trees and seed. Forestry Abs. 14:129-136. Ref. Apr.1953. 241.01 Im7

62950 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST EXPERIMENT STATION. Summary statement on the 1952 blowdown-bark-beetle survey in the Douglas-fir region of Oregon and Washington. Portland,Oreg., 1952. 7 p. 1.9622 P2Su6

62951 VIETINGHOFF-RIESCH, FREIHERR VON. Sind unsere wälder krisenfest? Holz-Zentbl. 79:543. Apr.18,1953. 99.81 H742

62952 WALTER, G. Zusätzliche äsung — verminderter wildschaden. Pirsch 5:229-232. Apr.11,1953. 410 P66

Fire

62953 BAHR, V. J. Bush fire warning organisation—Tasmania. Tasmanian J. Agr. 24:5-7. Feb.1,1953. 23 T182T

62954 BALFOUR, A. N. Forest fire insurance for private woodlands. Scot. Forestry 7:67. Apr.1953. 99.8 Sco3

62955 BANGSBERG, R. C. XZIT—its effect on the railroad fire problem. Fire Control Notes 14(2):36-38. Apr.1953. 1 F766Fi

62956 CAMERON, F. F. Statistical fire occurrence prediction as a psychological tool in fire prevention. Fire Control Notes 14(2):1-6. Apr.1953. 1 F766Fi

62957 CLARKE, W. F., and EVERTS, A. B. Fire cache warehousing during a heavy fire load. Fire Control Notes 14(2):42-46. Apr.1953. 1 F766Fi

62958 CROSBY, J. S. The role of burning index in fire-danger estimation. Fire Control Notes 14(2):10-11. Apr.1953. 1 F766Fi

62959 EMERSON, W. J. Sirens on airplanes summon woods workers for fire fighting. Fire Control Notes 14 (2):25-27. Apr.1953. 1 F766Fi

62960 FENNER, R. L. A safe, cheap, and effective forest fire grenade. Fire Control Notes 14(2):22-24. Apr.1953. 1 F766Fi

62961 GROOM, J. I. Meeting the hunter problem during serious fire weather. Fire Control Notes 14(2): 34-35. Apr.1953. 1 F766Fi

62962 JACKSON, R. The Aleut pack strap. Fire Control Notes 14(2):20-21. Apr.1953. 1 F766Fi

62963 JAEGER, J. "Little Lulu"—mechanical fire line raker. Fire Control Notes 14(2):39-41. Apr.1953. 1 F766Fi

62964 JONES, T. S. Forest fire prevention education; woods industry's program in northwestern Ontario. Pulp & Paper Mag. Canada 54(5):164-167-168,170. Apr.1953. 302.8 P96

62965 KERR, E. A "Dr. Pepper" fire reporting system. Fire Control Notes 14(2):32-33. Apr.1953. 1 F766Fi

62966 LAURENTIAN FOREST PROTECTIVE ASSOCIATION. Thirty-sixth annual report, 1952. Quebec, 1952. 29 p. 99.9 L37
Chiefly fire.

62967 LEMBCKE, L. W. Engineering on the fire line. Wis. Conserv. B. 18(4):19-23. Apr.1953. 279.8 W752

62968 LITTLE, S. Effects of forest fires on upland sites in the pine region of southern New Jersey. N. J. Agr. Col. Ext. L. 100,8 p. Dec.1952. 275.29 N46L

62969 MCCOY, S. B. Crawler tractor pull-out chains. Fire Control Notes 14(2):28-29. Apr.1953. 1 F766Fi

62970 MCKEEHAN, J. W. Time clocks on lookout radio equipment. Fire Control Notes 14(2):16-17. Apr. 1953. 1 F766Fi
In forest fire control.

62971 MATTSSON, J. W. Region 4's flash fuel burning index. Fire Control Notes 14(2):7-9. Apr.1953. 1 F766Fi

62972 MURDOCK, K. M. Prevention training for loggers. West. Forestry & Conserv. Assoc. Proc. 43: 37-38. 1952. 99.9 W522
Fire.

62973 OLSON, D. S. Preliminary tests on relative inflammability of logging slash by species in the western white pine type. Idaho. U. Forest, Wildlife & Range Expt. Sta. Res. Notes 5,7 p. May 12,1953. 99.9 Id14R

62974 PETERSON, C. I. Everybody's responsibility. Tenn. Conserv. 19(5):6-7. May 1953. 410 T252

62975 PRATER, J. D. Coordinated fire prevention in logging operations. West. Forestry & Conserv. Assoc. Proc. 43:38-43. 1952. 99.9 W522
Includes discussion.

62976 VIETINGHOFF-RIESCH, A., FREIHERR VON. Waldbrandbekämpfung in den USA. Forstarchiv 24:37-42. Mar.15,1953. 99.8 F7723
English summary.

62977 WAGGENER, L. A. Mechanical trail transportation. Fire Control Notes 14(2):12-15. Apr.1953. 1 F766Fi

62978 WALL, R. T. Operation message drop. Forests & People 111(2):20-21. Apr.1953. 99.8 F7628
Aircraft in forest fire prevention.

62979 WASHINGTON.DEPT. OF CONSERVATION AND DEVELOPMENT. A portable light for fire fighting tractors. Fire Control Notes 14(2):30-31. Apr.1953. 1 F766Fi

Forest Influences

62980 BRODBECK, C. Die wohlfahrtswirkungen des stadtwaldes. Schweiz. Z. f. Forstw. 104:1-14. Jan./Feb. 1953. 99.8 J82

62981 HARRINGTON, L. Eastern Rockies Forest Conservation Board. Timber Canada 13(9):24-25. May 1953. 99.81 T487

62982 PAVARI, A. Again on the hydrological influence of the forest. (In Italian.) Ricerca Sci. 23:369-377. Mar.1953. 475 It1
English summary.

62983 PEREIRA, H. C. Interception of rainfall by cypress [Cupressus] plantations. East African Agr. J. 18: 73-76. Oct.1952. 24 Ea74

62984 WEIR, A. H. W. Shelterbelts, farm woodlots and windbreaks. Arbor 2(2):18-21. Mar.1953. 99.8 Ar17

62985 WILDE, S. A., and others. Influence of forest cover on the state of the ground water table. Soil Sci. Soc. Amer. Proc. 17:65-67. Ref. Jan.1953. 56.9 So3
E. C. Steinbrenner, R. S. Pierce, R. C. Dosen, and D. T. Pronin, joint authors.

62986 WOODRUFF, N. P., and ZINGG, A. W. Wind-tunnel studies of fundamental problems related to windbreaks. U. S. Soil Conserv. Serv. SCS-TP-112,25 p. Ref. Aug.1952. 1.96 Ad6Tp

Miscellaneous Forest Uses

62987 OLMSTEAD, R. L. Woodland pasture costs you money. Mich. Conserv. 22(3):28-30. May/June 1953. 279.9 M582

62988 U. S. FOREST SERV. Forest Service summer home policy. Washington,1953. 2 p. 1.962 A2F764

62989 U. S. FOREST SERV. Recreation use on national forests 1952. Washington,1953? 2 p. 1.9 F76Ru

FOREST INDUSTRIES AND TRADE

62990 BRAZIL. INSTITUTO NACIONAL DO PINHO. Economic situation of wood. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):9-35. 1951,pub.1952. 99.83 An8
English summary.

62991 BRAZIL. INSTITUTO NACIONAL DO PINHO. The timber trade with Argentina. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):68-78. 1951,pub.1952. 99.83 An8
English summary.

62992 DOUGLAS, E. The structure of the Iowa retail lumber industry. Iowa. Agr. Expt. Sta. Res. B. 395:222-292. Ref. Mar.1953. 100 Io9

62993 FEVRIER, R. P. Evolution de structure de l'industrie du bois. Soc. Roy. Forest. de Belg. B. 60:129-155. (Cont.) Mar.1953. 99.9 B83

62994 GATTINARA, S. Forest industry in U.S.A. and Europe. (In Italian.) Indus. del Legno 5(3):60-61. (Cont.) Mar.1953. 99.82 In2

62995 GATTINARA, S. Production of wood and world prices. (In Italian.) Indus. del Legno 5(1):33-34. Jan. 1953. 99.82 In2

62996 GATTINARA, S. Wood industry in U.S.A. and Europe. (In Italian.) Indus. del Legno 5(2):23-24. (Cont.) Feb.1953. 99.82 In2

62997 GOLTZ, H. The timber problem and its solution. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):266-269. 1951,pub.1952. 99.83 An8
English summary.
Brazilian trade outlook.

62998 MIDDELHOVEN, J. Is Europe in danger of a wood card in 1960? (In Dutch.) Houthandel 6(2):13. Apr.10,1953. 99.81 H81

62999 ROGERS S., E. Desarrollo de las industrias forestales integradas. Chile Maderero 2:201-203. Nov. 1952. 99.8 C43

63000 SPRANGERS, A. A. C. Wood import in 1952. I-II. (In Dutch.) Houthandel 6:19,26-27. Apr.17-24,1953. 99.81 H81

63001 URRUTIA HAM., M. Sud Africa, mercado promisor para nuestras maderas. Chile Maderero 2:166-167. Oct.1952. 99.8 C43

63002 VALENZUELA, H. Aspectos de la Corporacion Chilena de la Madera de interes para los forestadores. Chile Maderero 2:213-215. Dec.1952. 99.8 C43

63003 WAGEMANN W., G. El comercio exterior chileno de maderas. II. Chile Maderero 2:194-198. Nov. 1952. 99.8 C43

63004 WAGEMANN W., G. La producción chilena de maderas aserradas. Chile Maderero 2:224-229. (Cont.) Dec.1952. 99.8 C43

63005 WAGEMANN W., G. Transporte y consumo de maderas aserradas. Chile Maderero 3:3,5. Mar.15,1953. 99.8 C43

63006 WILLIAMSON, A. H. Forest industry financing. West. Forestry & Conserv. Assoc. Proc. 43:65-67. 1952. 99.9 W522

Lumbering

63007 CLARK, E. T. The radio committee and industrial radio. West. Forestry & Conserv. Assoc. Proc. 43:75-76. 1952. 99.9 W522

63008 COTTA, A. Education of good wood technicians. (In Italian.) Indus. del Legno 5(1):23-25. Jan.1953. 99.82 In2

Lumbermen.

63009 DRAKE, G. L. Application of forestry-by-the-acre through diversified production application in the western United States. West. Forestry & Conserv. Assoc. Proc. 43:28-29. 1952. 99.9 W522

63010 GRANT, D. F. Exploitation of timber from rubber trees. Malayan Forester. 15:137-139. July 1952. 99.8 M292

63011 INTERPRETATION of the new Ontario log rule. Timber Canada 13(9):30-31. May 1953. 99.81 T487

63012 MAYHEW, A. B. SPIB [Southern Pine Inspection Bureau] improves industry standards. Gulf Coast Lumberman 41(4):62,66. May 15,1953. 99.81 G95

63013 MORSE, H. Operators table regular plans to harvest spruce. Crow's Pacific Coast Lumber Digest 31 (9):16-17. May 7,1953. 99.81 C88

Salvage of Picea engelmanni killed by bark beetles.

63014 PEYTON, J. A. Revolution in lumber production; lumbermen now using engineers and consultants from other industries. South. Lumberman 186(2331):60. May 15,1953. 99.81 So82

63015 SANDOZ, F. Company factors involved in a radio communications system. West. Forestry & Conserv. Assoc. Proc. 43:73-74. 1952. 99.9 W522

63016 SAVAGE, M. B. An industrial radio system in the forest products class of service. West. Forestry & Conserv. Assoc. Proc. 43:74-75. 1952. 99.9 W522

63017 WALTERS, D. W. Panel II. Debarking methods and equipment. Topics 5-9b. Nowest. Wood Prod. Clinic. Proc. 7:12-32. 1952. 99.9 Sp6

Contents: 5, Hydraulic debarking, by S. F. Gebarski; 6, Mechanical debarking, by E. W. Forbes; 7, Chemical removal of bark, by R. G. DeMoisy; 8, Utilization of bark, by W. G. Van Beckum; 9a, Economics of debarking sawmills, by W. H. Rambo and H. A. DeRice; 9b, Economics of debarking, by J. A. Guthrie.

Lumbering Equipment

63018 BEGOVIĆ, B. Concerning material and quality of forest saws. (In Serbo-Croatian.) Narod. Šumar 7:24-29. Jan./Feb.1953. 99.8 N16

English summary.

63019 DOUDA, V. Study of the effect of motor chain saws which are utilized in our forest practice. (In Serbo-Croatian.) Narod. Šumar 6:247-256. Sept./Oct.1952. 99.8 N16

63020 LAMP, I. Werkzeugkunde für die waldarbeit im gebirge. Ed. 3. Graz,Steiermärkischen Forstverein, 1952. 91 p. 58 L19

63021 LINDNER, G. Erfahrungen und erfolge bei der anwendung der aggregate und elektromotorsägen im holzeinschlag. Wald 3:100-102. Apr.1953. 99.8 W143

63022 TROÄNG, I. Motorsågkedjor, deras arbetssätt och konstruktion. The power saw chain its function and construction. Sweden. Stat. Skogsforskinst. Meddel. 41 (8),41 p. 1952,pub.1953. 99.9 Sw32

English summary.

63023 TROMP, P. H. M. Good forestry equipment. VI. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64: 114-117. Apr.1953. 12 N282

Logging

63024 ALBES. Der stapelschnitt beim fichten-faserholzeinschlag. Wald 3:53-55. Feb.1953. 99.8 W143

63025 BELTRAM, V. Summer cutting of pine trees. (In Serbo-Croatian.) Narod. Šumar 6:225-230. Sept./Oct. 1952. 99.8 N16

63026 DEMOISY, R. G. Panel 1. Package handling small timber material. Topics 1-4. Nowest. Wood Prod. Clinic. Proc. 7:2-11. 1952. 99.9 Sp6

Contents: 1, Pulpwood handling east of the Rocky Mountains, by W. S. Bromley; 2, Sawlogs and poles, by E. E. Matson; 3, Unique partial cutting methods, by C. J. Kantzer; 4, Pulpwood handling in western Washington, by G. E. Liming.

63027 ESPIG, W. Neue perspektiven auf dem gebiet der holznutzung. Wald 3:3-4. Jan.1953. 99.8 W143

Logging.

63028 KARAHASANOVIĆ, A. The concept of the butt swell and the beard [splinters]; contribution to forest terminology. (In Serbo-Croatian.) Narod. Šumar 6:258-260. Sept./Oct.1952. 99.8 N16

63029 KARAHASANOVIĆ, A. "Hang-ups" and removal of "hang-ups" [in tree felling]. (In Serbo-Croatian.) Narod. Šumar 7:35-41. Jan./Feb.1953. 99.8 N16

English summary.

63030 LAVOIE, G. Watering pulpwood. Canad. Pulp & Paper Assoc. Woodlands Sect. Index 1284 (B-9-a),4 p. 1953. 99.8 W855

63031 LLOYD, A. H. Timber extraction from difficult sites; the use of modern cableway systems. Indian Forester 79:251-253. Apr.1953. 99.8 In2

63032 MERILUOTO, J. Road and rail transport of sawn goods. (In Finnish.) Paperi ja Puu 35:177-180. Apr.17,1953. 302.8 P1991

English summary.

63033 MIHAC, B. A method of utilizing internal reserves in forestry manipulations to the end of reducing transportation costs. (In Serbo-Croatian.) Narod. Šumar 6:169-178. July/Aug.1952. 99.8 N16

63034 MORSE, H. Infested Engelmann spruce trees cut, milled to save destruction. Miss. Val. Lumberman 84(36):13. Apr.24,1953. 99.81 M69

63035 MORSE, H. Spruce loggers wage all-out war on beetle [Dendroctonus engelmanni]. Lumber Merchant 21(5):34. May 1953. 99.81 L979

63036 PLATZER, H. B. Über sonderzusätze für windwurf und windbruch. Forstarchiv 24:121-127. Ref. Apr.15,1953. 99.8 F7723

63037 RAZOUS, P. La productivité en exploitation forestière en scierie et dans les industries du bois. Bois et Scieries 29:364-365. Mar.26,1953. 99.81 B632

Felling and sawing.

63038 SODERSTROM, V. Bucking—a question of big money. (In Swedish.) Skogsägaren 29:58-59. Mar.1953. 99.8 Sk55

63039 STEINLIN, H. Zur methodik von rücksversuchen. Forstarchiv 24:115-119. Apr.15,1953. 99.8 F7723

63040 STOHR, M. W. Uber eichenwertholzaushaltung. Wald 3:7-9. Jan.1953. 99.8 W143

63041 SUNDBERG, U. Studies in forest transportation. II. (In Swedish.) Svenska Skogsvårdsför. Tidskr. 51: 15-72. 1953. 99.8 Sk5

Sawmills

63042 BARRAS, R. Le sciage des résineux. Forêt Conserv. 19(4):7,9,20,31. Apr.1953. 99.8 F792

63043 COLWELL, S. J. Double-sided saw bench gauge. Forest Prod. News Let. 192:4. Sept./Dec.1952. 99.9 Au722F

63044 FRONIUS, K. Arbeitsplatzgestaltung im kleinen und mittleren sägewerksbetrieb. Holz-Zentbl. 79: 551-553. Apr.21,1953. 99.81 H742

Moving logs and lumber.

63045 HUBNER, R. Refa im sägewerk. Holz-Zentbl. 79:519-520. Apr.14,1953. 99.81 H742

63046 HVAMB, G. Should one cut with the top or the butt in front when using frame saws. (In Norwegian.) Norsk Skogindus. 7:116-118. Apr.1953. 99.82 N81

63047 KAMINSKY, G., and LÜNZMANN, K. Über die statistische auswertung von sägeversuchen. Forstarchiv 24:128-130. Apr.15,1953. 99.8 F7723

63048 MATER, M. H. Big mill methods for small and medium mills is today's trend. Lumberman 80(6):128. May 1953. 99.81 W52

63049 NEW HAMPSHIRE FORESTRY AND RECREATION COMMISSION. Directory of sawmills and other primary wood-using industries of New Hampshire. n.p., 1953. 17 p. 99.9 N45W

63050 THOMAS, D. P. Semi-permanent band mill operation. Wash. Inst. Forest Prod. New Wood-Use Ser. C. 25,4 p. Feb.1953. 99.9 W278N

63051 THUNELL, B. Motion and cutting conditions of gang saws. (In Swedish.) Paperi ja Puu 35:157-171. Ref. Apr.17,1953. 302.8 P1991

English summary.

63052 WACKER, H. Fortschritte im bau und einsatz von trennbandsägen. Holz-Zentbl. 79:501-503. Apr.11, 1953. 99.81 H742

Processing and Woodworking

63053 HIRSCH, J. Die schablonen-drehbank. Internatl. Holzmarkt 6:4-5. Mar.28,1953. 99.81 In82

63054 IRELAND, W. A. Wood turning. T. D. A. Q. Rev. 3(9):18-19. Apr.1953. 99.9 T48T

63055 PALMER, P. R. New designs for woodworking machines. (In Dutch.) Houthandel 6(2):14-15. Apr.10, 1953. 99.81 H81

63056 SKOGLUND, C., and HVAMB, G. Tannvinklenes innvirkning pa kraftforbruket ved saging med og mot fibrene [The influence of tooth shape on the cutting forces in "counter" and "climb" ripsawing]. Norsk Tretek. Inst. Meddel. 4,9 p. Mar.1953. 99.9 Os5M
English summary.

Seasoning, Conditioning and Finishing

63057 DANIELS, A. S. Estimating severity of checks in seasoning of oak cross ties; results of tests made at Houston and Yoakum by Southern Pacific Co. Cross Tie B. 34(5):7-8. May 1953. 99.82 C87

63058 DAVENPORT, O. M. Lumber seasoning. Ky. Agr. Col. Ext. C. 501,14 p. Mar.1953. 275.29 K415

63059 MAGEE, G. M. 5 years of tie-research by AAR and NLMA, means sought for prolonging tie life as affected by checking and splitting. Cross Tie B. 34(5): 20,22,24. May 1953. 99.82 C87

63060 MATHEWSON, J. S. Electrically operated wood-element hygrostats for control of moisture fluctuations in lumber stored in closed sheds. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1140,rev.,10 p. Mar.1953. 1.9 F761R

63061 MATHIEU, H. Le séchoir centrifuge héliocidal. Bois et Scieries 29:387-388. Apr.2,1953. 99.81 B632

63062 OGURA, T., TERAZAWA, S., and TUTUMOTO, T. On the experiments in the dry kiln of a internal fan type. (In Japanese.) Rin-Go-Shiken-Hokoku 60:49-64. Mar.1953. 99.8 R47
English summary.

63063 STEVENS, W. C. Factors affecting the drying of wood. Timber Technol. 61:124-126. Mar.1953. 99.81 T482

63064 VILLIÈRE, A. Le phénomène de collapse et ses répercussions sur le séchage des planches et des placages. Rev. du Bois 8(4):17-20. Apr.1953. 99.82 R32

63065 WATSON, K. M. An economical drying oven. Wood Working Digest 55(5):97-100,102,104,106. May 1953. 99.82 W87

Wood Preservation and Damage

63066 BLEW, J. O., and KULP, J. W. Comparison of wood preservatives in Mississippi post study (1953 progress report). U. S. Forest Serv. Forest Prod. Lab. Rpt. R1757,rev.,14 p. Mar.1953. 1.9 F761R

63067 BUJUKALIĆ, H. The economy of wood impregnation. (In Serbo-Croatian.) Narod. Šumar 6:231-240. Sept./Oct.1952. 99.8 N16

63068 CARBAJAL, P. The use of wood preservatives. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):262-265. 1951,pub.1952. 99.83 An8
English summary.
For insect pests.

63069 FREITAG, R. Chemie im holzschutz. Seifen-Ole-Fette-Wachse 79:239-240. Apr.29,1953. 307.8 Se4

63070 GRAFTON, C. F. Protection with pentachlorophenol. Ohio. State U. Short Course Roadside Devlpmt. 11:100-107. 1952. 288.9 Oh3
Wood preservation.

63071 GROENOU, H. B. VAN. Die ölartigen mittel im holzschutz, ihre eignung; eigenschaften und anwendungsverfahren. Prakt. Schädlingsbekämpfer 4:131-133. Dec.1952. 421 P882

63072 HIRD, D., and SIMMS, D. L. Fire retardant treatments. Wood [London] 18:134-137. Ref. Apr.1953. 99.82 W855

63073 KAUFERT, F. H., and others. A small vacuum treating plant. J. Forestry 51:366-367. May 1953. 99.8 F768
R. L. Hossfled, L. W. Rees, and J. R. Neetzel, joint authors.

63074 KAUFERT, F. H., NEETZEL, J. R., and HOSSFELD, R. This new plant applies wood preservative at relatively low cost. Minn. Farm & Home Sci. [Minn. Sta.] 10(3):10. May 1953. 100 M668

63075 MCKEAN, A. S. Give your fence posts a treat. La. Agr. Col. Ext. P. 1119,8 p.-folder. Aug.1952. 275.29 L93Ep

63076 PEARSON, S. J. It pays to treat tops of standing poles. Elect. West 110(4,pt.1):97. Apr.1953. 335.8 J82

63077 PROKOPP, S. Die imprägnierung schwer tränkbarer hölzer. Internatl. Holzmarkt 6:10-13. Mar. 28,1953. 99.81 In82

63078 PURUSHOTHAM, A., and RANA, K. S. Treatment against decay and fire of grasses and palmyra leaves used for thatching roofs. Indian Forester 79:243-247. Apr.1953. 99.8 In2

63079 SAVORY, J. G. Surface mould on obeche [Triplochiton scleroxylon]. Timber Technol. 61:81-82. Feb. 1953. 99.81 T482

63080 STACEY, W. A. Sante Fe creosoted bridge records. Wood Preserv. News 31(5):11-13. May 1953. 300.8 W853

63081 WRIGHT-ROBB, C. Dry rot and wood worm. Estate Mag. 53:147-150. Apr.1953. 10 Es8
The wood worm is the larva of wood-destroying beetles.

63082 YAMAHAYASHI, N., and UCHIYAMA, H. Studies on the fire-proofing fibre board. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:156-169. 1952. 107.6 Iw92
English summary.

FOREST PRODUCTS

63083 AMERICAN LUMBERMAN AND BUILDING PRODUCTS MERCHANDISER. 1953 dealer products file. Amer. Lumberman & Bldg. Prod. Merchandiser 3514, 722 p. Apr.6,1953. 99.81 Am3

63084 EVEREST, D. C. Utilization of forest products. Wis. Conserv. B. 18(4):23-29. Apr.1953. 279.8 W752
Wood.

63085 GARRATT, G. A. Progress in forest utilization. South. Lumberman 186(2331):39-42,100. May 15, 1953. 99.81 So82

63086 KOERNER, W. C. Diversified production application in British Columbia. West. Forestry & Conserv. Assoc. Proc. 43:23-25. 1952. 99.9 W522

63087 NORTHWEST WOOD PRODUCTS CLINIC. Proceedings of the seventh annual clinic, Spokane, Washington, April 1 and 2, 1952. Spokane?1952. 83 p. 99.9 Sp6

63088 RAZOUS, P. La productivité en exploitation forestière en scierie et dans les industries du bois. Bois et Scieries 17:491-493. (Cont.) Apr,23,1953. 99.81 B632
Considering products recoverable from various forest stands.

63089 SAMPAIO, A. N. Uses of Eucalyptus wood. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):79-94. 1951,pub.1952. 99.83 An8

63090 WEBER, W. Posibilidades económicas de algunas especies forestales exóticas en Chile. Chile Maderero 3(3):2-3. Apr.15,1953. 99.8 C43

Lumber and Rough Products

63091 BUJUKALIĆ, H. More on the consumption of wood in rural households in the People's Republic of Bosnia and Hercegovina. (In Serbo-Croatian.) Narod. Šumar 7:41-46. Jan./Feb.1953. 99.8 N16
English summary.

63092 CAMPBELL, N. R. Tie hacking in British Columbia. Family Herald & Wk. Star 84(20):48. May 14, 1953. 7 F21

63093 CARPENTER, R. D. Primary manufacture in utilisation of upland hardwoods. South Lumberman 186 (2331):54,56,58. May 15,1953. 99.81 So82

63094 CROW, G. B. Timber storage sheds. T. D. A. Q. Rev. 3(9):15-17. Apr.1953. 99.9 T48T

63095 CROW, G. B. Timber storage sheds. Timber Technol. 61:173-175. Apr.1953. 99.81 T482

63096 DELISLE, R. Bois de feu et charbon de bois. Forêt Conserv. 19(4):16,20,31. Apr.1953. 99.8 F792

63097 GOHLKE, T. Die rundholzausnutzung bei der schwellenerzeugung. Norddeut. Holzwirt. 7(45):4. Apr. 14,1953. 99.82 N75

63098 JAMES, N. D. G. The disposal of timber. Roy. Inst. Chartered Surveyors. J. 32:721-728. Apr.1953. 282.9 C38J
Includes discussion.

63099 LACHAUSSEE, E. La dépréciation des bois de feu dans le Jura. Soc. Forest. de Franche-Comté et des Prov. de l'Est. B. Trimes. 26:474-482. Mar.1953. 99.9 So14

63100 ZARIĆ, P. Wood consumption in rural households in the Bosnia and Hercegovinian People's Republic. (In Serbo-Croatian.) Narod. Šumar 6:314-316. Nov./Dec.1952. 99.8 N16

Building Construction

63101 BAILEY, N. Down to the sea in wooden ships. Wood Working Digest 55(5):75-78,82-84. May 1953. 99.82 W87

63102 MIEDLER, K. A. A contribution to tropical forest utilization, experience with Burmese timbers for housing. Unasylva 7:2-9. Mar.1953. 99.8 Un1

63103 RAHTU, H. Timber constructions at the Olympic games. Unasylva 7:24-25. Mar.1953. 99.8 Un1

63104 RICHARDSON, H. Solid timber boat construction. T. D. A. Q. Rev. 3(9):20-22. Apr.1953. 99.9 T48T

63105 SEKHAR, A. C. Wooden floor for the squash court at New Forest. Indian Forester 79:195-197. Mar. 1953. 99.8 In2

63106 STERN, E. G., and STONEBURNER, P. W. Design of nailed trussed rafters. Timber Technol. 61:61-63. Feb.1953. 99.81 T482

63107 WANGAARD, F. F. Structural applications of plywood. 1. Architect. Rec. 113(5):187-192. May 1953. 296.8 Ar23

63108 WOODS, R. P. T.D.A. experimental groyne. T. D. A. Q. Rev. 3(9):1-3. Apr.1953. 99.9 T48T

Veneers, Plywood and Adhesives

63109 BAILEY, N. Veneer and plywood. 1. Types of plywood. Wood Working Digest 55(5):135-138,140,142. May 1953. 99.82 W87

63110 BELLOTTI, L. Application of electronics in wood processing. (In Italian.) Indus. del Legno 5(1):26-28; (2):32-33. (Cont.) Jan.-Feb.1953. 99.82 In2

63111 BOOTH, F. L. Many factors involved in electronic edge-gluing. Veneers & Plywood 47(4):24-26. Apr. 1953. 99.82 V55

63112 DALTON, L. K. Resins from sulphited tannins as adhesives for wood. Austral. J. Appl. Sci. 4:136-145. Mar.1953. 475 Au74

63113 FAHRNI, F. "Paneelplatten oder spanplatten," eine erwiderung. Internatl. Holzmarkt 7:12-13. Apr.11, 1953. 99.81 In82

63114 GRAHAM, P. H. German veneer and plywood production stresses economy. Veneers & Plywood 47(5):14. May 1953. 99.82 V55

63115 HYLER, J. E. Glues and gluing. 11. South. Lumberman 186(2330):43-46. May 1,1953. 99.81 So82

63116 HYLER, J. E. Glues and gluing. 12. South. Lumberman 186(2331):63-64,66. May 15,1953. 99.81 So82

63117 JOHANSON, P. E. On plywood manufacture on the west coast of the U. S. A. (In Finnish.) Paperi ja Puu 35:172-174,176. Apr.17,1953. 302.8 P1991
English summary.

63118 MAINE, A. B. Care in glue spreading makes good bonds. Veneers & Plywood 47(4):14,33. Apr.1953. 99.82 V55

63119 MILLER, D. G. A preliminary investigation of veneer cutting properties of aspen poplar. Canada. Forest Prod. Lab. Div. Mimeog. 0-167,9 p. Nov.1952. 99.9 C1612M

63120 PERRY, T. D. Veneer and plywood machinery. 3. Veneer slicers and segment saws. Wood Working Digest 55(5):121-124,126,128,130,132-133. May 1953. 99.82 W87

63121 PLATH, E. Fortschritte in der holzverleimung. Norddeut. Holzwirt. 7(40/41):3-4. Apr.2,1953. 99.82 N75

63122 RINNE, V. J. Formation of the cost-price of plywood and how the technician can contribute towards its reduction. (In Finnish.) Paperi ja Puu 35:123-128. Apr. 17,1953. 302.8 P1991
English summary.

63123 SCONCE, R. E. Paper, fir veneer "wedded" to form containerboard. Veneers & Plywood 47(5):10,32-34. May 1953. 99.82 V55

63124 TICKLE, C. G. Britains step up plywood research. Veneers & Plywood 47(4):11,31. Apr.1953. 99.82 V55

63125 U. S. BUR. OF THE CENSUS. Hardwood veneer and plywood. Summary for 1951. U. S. Bur. Census. Facts Indus. Ser. M13A-01,8 p. Aug.29,1952. 157.41 F1178

63126 ZANDSTRA, K. A. Wood glueing in industry. 3. (Extr.) Timber Technol. 61:76-77. Feb.1953. 99.81 T482

Containers

63127 CARLINI, V. A great center for packing material. (In Italian.) Indus. del Legno 5(3):56-58. (Concl.) Mar.1953. 99.82 In2

63128 CARLINI, V. A great production center for packing boxes. (In Italian.) Indus. del Legno 5(2):28-31. (Cont.) Feb.1953. 99.82 In2

Pulp and Paper

63129 BASTOS, A. DE M. Manufactures of paper with tropical woods. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):63-67.,1951,pub.1952. 99.83 An8
English summary.

63130 BETHGE, O. A new method for determination of sulfides in sulfate black liquor. Svensk Papperstidn. 56:255-258. Apr.15,1953. 302.8 Sv2

63131 BHAT, R. V., and VIRMANI, K. C. Indigenous cellulosic raw materials for the production of pulp, paper and board. XIV. Chemical pulps and writing and printing papers from Sterculia campanulata, Wall. Indian Forester 79:169-175. Mar.1953. 99.8 In2

63132 BHAT, R. V. Pulping of tropical woods and other indigenous cellulose raw materials. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:123-140. Dec.1952. 99.9 F73Fa

63133 CARDEW, J. China's rising paper output. World's Paper Trade Rev. 139:1095-1096,1098,1100. Apr.9,1953. 302.8 W89

63134 CARPENTER, C. H., and LENEY, L. 382 photomicrographs of 91 papermaking fibers. Syracuse, N. Y. State U. Col. Forestry,1952. 152 p. 99.9 N486B

63135 CHÊNE, M. L'enseignement à l'Ecole française de Papeterie. Papeterie 75:155,157,159,161. Mar. 1953. 302.8 P1932

63136 COHEN, W. E. Pulp and paper from Eucalyptus. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):185-195.,1951,pub.1952. 99.83 An8

63137 COOMBER, H. E. Pulping studies with colonial tropical hardwoods as papermaking materials. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:51-62. Dec.1952. 99.9 F73Fa

63138 ENKVIST, T., and ALFREDSSON, B. Low molecular substances of lignin origin in black liquors from sulphate and soda pulping of spruce wood. Tappi 36: 211-216. Ref. May 1953. 302.8 T162

63139 FERGUSON, S. The workings of a trade organization. Pulp & Paper Mag. Canada 54(5):96-97. Apr.1953. 302.8 P96
American Paper and Pulp Association.

63140 FIRST Congress of Mechanical Pulp and Paper. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4): 223-237.,1951,pub.1952. 99.83 An8
English summary.

63141 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. TECHNICAL COMMITTEE ON WOOD CHEMISTRY. Tropical woods and agricultural residues as sources of pulp; papers presented at the fifth meeting, Appleton, Wisconsin, September 1951. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3,190 p. Dec.1952. 99.9 F73Fa

63142 GRANT, J. Non-conventional pulping methods. World's Paper Trade Rev., Mar.1953(tech. conv. no.):70, 72,74,77. Ref. 302.8 W89

63143 HESS, R. W. Pulpwood from tropical forests. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:1-9. Dec.1952. 99.9 F73Fa
Includes discussion.

63144 HORSTMAN, A. J. Low consistency refining of groundwood tailings; a progress report. Paper Mill News 76(20):96,98,118-119. May 16,1953. 302.8 P195

63145 INTERNATIONAL PAPER CO. Fifty-fifth annual report, 1952. New York,1953. 28 p. 302.9 In8

63146 JOSEPHSON, H. R. Wood pulp from woods and mill residues. Paper Indus. 35:179-180. May 1953. 302.8 P1923

63147 MELLER, A. Chemical pulps from Australian eucalyptus. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:72-77. Ref. Dec. 1952. 99.9 F73Fa

63148 NOLAN, W. J. Pulp and paper research at the University of Florida. Paper Indus. 35:185-187. May 1953. 302.8 P1923
Includes wood and bark.

63149 OTTAR, H. Pulp refining experiments. II. (In Norwegian.) Norsk Skogindus. 7:106-111. Apr.1953. 99.82 N81
English summary.

63150 PERILA, O. On the effect of cooking conditions on the viscose making properties of birch sulphite pulp. (In Finnish.) Paperi ja Puu 35:139-152,154. Ref. Apr.17, 1953. 302.8 P1991
English summary.

63151 PETERI, R. Pulping studies with African tropical woods. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:43-50. Dec.1952. 99.9 F73Fa

63152 QUINT, P. L. Surveying tropical forests in view of cellulose production. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):213-221. 1951,pub.1952. 99.83 An8
English summary.

63153 RICHTER, G. A. Acid pulping with sodium sulphate liquors. Tappi 36:228-233. May 1953. 302.8 T162

63154 ROUSSIGNHOL, C., and BENDA, P. Les bois américains de papeterie. B. Prix de revient des bois de papeterie aux Etats-Unis. Forets de France et Action Forest. 45:11-13. (Cont.) Mar.1953. 99.9 F315

63155 RUNKEL, R. O. H. Development of chemical and semi-chemical pulping processes for deciduous trees. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:63-71. Ref. Dec.1952. 99.9 F73Fa
Chiefly tropical hardwoods of Africa.

63156 RYS, L., ARON, G., and OVERBAECK, W. The influence of chipping on the properties of Paraná pine [Araucaria angustifolia] sulphite pulp. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:83-105. Dec.1952. 99.9 F73Fa
Includes discussion.

63157 SIMMONDS, F. A., and KINGSBURY, R. M. Viscose-rayon pulps from Chilean hardwoods—coigue [Nothofagus dombeyi] tepa [Laurelia serrata] and ulmo [Eucryphia cordifolia]. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:106-122. Ref. Dec.1952. 99.9 F73Fa

63158 STEVENS, W. C. Chip testing and influence of chip size on pulping variables. Canad. Pulp & Paper Indus. 6(5):8-10. May 1953. 302.8 W52

63159 VIBRAYE, M. DE. Les bois de papeterie feuillus. Forêts de France et Action Forest. 45:17-18. Mar.1953. 99.9 F315

63160 WATANABE, T. Studies on the black digestion of Larix kaempferi Sarg. (karamatsu). 7-11. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:85-107,109-131, 133-145. Feb.1953. 107.6 K995B
English summary.
Sulfite digestion.

63161 WUNSCHMANN, G. Verwertungsmöglichkeiten der pappel als schleifholz und die herstellung von papieren aus pappelschliff und pappelzellstoff. Allg. Forstz. 8:240-242. Apr.29,1953. 99.8 AL52

63162 ZAPPERT, K. New methods for manufacture of wood pulp. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):49-60. 1951,pub.1952. 99.83 An8
English summary.

Chemical Products and Distillates

63163 CHATTERJEE, R., GUHA, M. P., and GUPTA, A. K. D. Plant alkaloids. IV. Berberis himalaica, Ahrendt and B. tinctoria, Leschenault. Indian Chem. Soc. J. 29:921-924. Dec.1952. 385 In27

63164 FARMER, R. H., and CAMPBELL, W. G. Chemical utilization of tropical hardwoods. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:78-82. Dec.1952. 99.9 F73Fa
Current work at the Forest Products Research Laboratory, Princes Risborough, England.

63165 HAGLUND, A. Beiträge zur kenntnis des fichtenrindengerbstoffes. III. Leder 4:55-58. Mar.15, 1953. 303.8 L492
English summary.

63166 HOWES, F. N. Divi-divi [Caesalpinia] as tanning material; a study of origins and use. Leather Trades' Rev. 108:17-18,20. Apr.1,1953. 303.8 L48

63167 JENSEN, W. The activity in 1952-53 at the Institute of Wood Chemistry of the University Åbo Akademi. (In Swedish.) Paperi ja Puu 35:155-156. Apr. 17,1953. 302.8 P1991
English summary.

63168 JENSEN, W., RINNE, P., and VAINIO, M. Investigation of fusel oil obtained in the production of alcohol from sulphite waste liquor. III. (In Swedish.) Paperi ja Puu 35:135-138. Ref. Apr.17,1953. 302.8 P1991
English summary.

63169 KING, F. E., and others. The chemistry of extractives from hardwoods. XI-XII. Chem. Soc. J., Apr.1953:1055-1059,1192-1195. 382 L85J
XI, by F. E. King, T. J. King, and K. G. Neill; XII, by F. E. King, and L. Jurd.

63170 KISHIMOTO, S., and others. Studies on charcoal making. 1. Experiments of charcoal making at Shima. (In Japanese.) Rin-Go-Shiken-Hokoku 60:1-48. Mar. 1953. 99.8 R47
K. Naito, K. Tochizawa, T. Furuya, G. Sugiura, K. Kono, G. Unrinin, and K. Uchida, joint authors.
English summary.

63171 LOWSON, D. S. Kulit arang. Malayan Forester. 15:139-140. July 1952. 99.8 M292
Mangrove charcoal sweepings.

63172 NORGES EKSPORTRÅD. Norway, chemical products exports. Oslo,1952. 64 p. 309 N83
Includes chemicals from the forests by F. Blikstad, p. 25-32.

63173 RAO, P. H. Extraction of tannins from avaram bark (Cassia auriculata). Indian Chem. Soc. J. Indus. & News Ed. 15:137-143. 1952. 385 In27A

63174 RAO, P. H. A note on the extraction of tannins by non-aqueous solvents: by methyl alcohol from myrobalans and divi divi. Indian Chem. Soc. J. Indus. & News Ed. 15:182. 1952. 385 In27A

63175 RAO, P. H. A note on the preservation of divi divi extracts by p-nitrophenol. Indian Chem. Soc. J. Indus. & News Ed. 15:181. 1952. 385 In27A

63176 STAMM, A. J., and HARRIS, E. E. Chemical processing of wood. New York,Chemical Pub. Co.,1953. 595 p. Ref. 99.79 St22

63177 TERZIC, D. Distillation of pine trunks; erection of the structure and description of the installations. (In Serbo-Croatian.) Narod. Šumar 6:179-192. July/Aug. 1952. 99.8 N16

63178 UHART, E. E. F. The charcoal problem in Asia. Unasylva 7:13-15. Mar.1953. 99.8 Un1

63179 VARMA, B. S., and PUNTAMBEKAR, S. V. Purification of camphor by sublimation. Indian Forester 79:198-200. Mar.1953. 99.8 In2

Naval Stores

63180 CLEMENTS, R. W. Correct use of the acid spray gun. AT-FA Journal 15(8):8-9,11. May 1953. 309.8 Am3
Turpentine extraction.

63181 DINI, G. Resins from pine stumps. (In Italian.) Rass. Chim. 5:25-27. Jan./Feb.1953. 385 R18

63182 OLAVI, S., and IVERMARK, R. Determination of resin acid in tall oil products. (In Swedish.) Svensk Papperstidn. 56:251-254. Apr.15,1953. 302.8 Sv2

63183 SCHWANKL, A. Harz in hölzern. Norddeut. Holzwirt. 7(47):4. Apr.18,1953. 99.82 N75

Other Forest Products

63184 AGATHER, A. J. Panel IV. Reprocessing stock in saw and planing mill. Topics 16-19. Nowest. Wood Prod. Clinic. Proc. 7:49-60. 1952. 99.9 Sp6
Contents; 16, Greater profits from recovered wastes, by G. G. Marra; 17, Additional recovery for present markets, by C. Graue; 18, Higher return end uses of non-waste, by R. Horne; 19, Chips for sulphate pulp, by P. Reinmuth.

63185 ANDERSON, I. V. Panel III. Hardboard manufacture. Topics 10-15. Nowest. Wood Prod. Clinic. Proc. 7:33-48. 1952. 99.9 Sp6
Contents; 10, The wet batch process, by K. N. Stordelen and C. Bollerslev; 11, The wet continuous process, by W. J. Runckel; 12, The damp or semi-dry process, by H. R. Evans; 13, Vegetable fiber concrete, by L. P. Dove; 14, Hardboard production in Scandinavia, by H. D. Turner; 15, Hardboard manufacture in the Inland Empire, by D. L. Haynes.

63186 ANDRADE, A. DE. High quality corkboard. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 15: 101-102. Feb.1953. 309.9 J96
English summary, p. XIX.

63187 ANDRADE, A. DE. Laboratory of the "Junta Nacional de Cortica." (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 15:67-71. Jan.1953. 309.9 J96
English summary, p. X.

63188 AZEMA, P. Champagne cork stoppers. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 15:97-100. (Cont.) Feb.1953. 309.9 J96
English summary, p. XIX.

63189 CLAY, A. J. M. Produce of Spain. Arbor 2(2): 12-14. Mar.1953. 99.8 Ar17
Cork and resin.

63190 ELMENDORF, A., and KREIDER, C. M. Economics of hardboard manufacture. Nowest. Wood Prod. Clinic. Proc. 7:75-77. 1952. 99.9 Sp6

63191 HAMZAH, Z. "Vascrete"-manufacturing in pontianak and its future. (In Indonesian.) Rimba Indonesia 2:58-65. Jan./Feb.1953. 99.8 R46
English summary.

63192 KAPOOR, L. D. A note on the minor forest products of Chamba (Himachal Pradesh) and scope for their development. Indian Forester 79:237-242. Apr. 1953. 99.8 In2

63193 KIN, U. P. Burmese lacquer ware. Burmese Forester 2:86-88. Sept.1952. 99.8 B92

63194 LENHART, T. J. Madera manufacturada de desperdicios. Mensajero Forest. 102:16-19. (Cont.) Mar.1953. 99.8 M522

63195 LUNNUM, K. Raising Christmas trees for profit. PNW Bulletin 6,20 p. Apr.1953. 275.29 W27Pn
Joint publication of the Extension Services of Washington, Oregon, and Idaho.

63196 MARRA, G. G. Problems in the conversion of residual wood to hardboard. Nowest. Wood Prod. Clinic. Proc. 7:67-74. Ref. 1952. 99.9 Sp6

63197 MARTINS, J. The problem of prices. (In Portuguese.) Portugal. Junta Nac. da Cortica. B. 171: 77-78. Jan.1953. 309.9 J96

63198 SANTACRUZ, A. El aprovechamiento integral del arbol; la posible industrialización de los llamdos "desperdicios forestales" de la industria maderera mexicana. Mensajero Forest. 102:23-28. Mar.1953. 99.8 M522

63199 SIMONDS, W. W. Growing Christmas trees in Pennsylvania. Pa. State Col. Agr. Ext. C. 415,22 p. Mar. 1953. 275.29 P38C

63200 SUCHSLAND, K. Aktuelle fragen der holzfaserplatten—fertigung. Norddeut. Holzwirt. 7(50):4. Apr.25,1953. 99.82 N75

63201 WALKER, A. A propos de écorces à pagnes. Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:175-178. Mar./Apr.1953. 26 R323

63202 WILLANS, K. W. Power production from vegetable matter; considerations which point to the advisability of generating steam from wood fuel for power applications and of finding a combustible vegetable oil for driving tractors. New Commonwealth 25:431-432. Apr. 27,1953. 280.8 C88

WOOD TECHNOLOGY

63203 FINDLAY, W. P. K. Influence of sample size on decay rate of wood in culture. Timber Technol. 61: 160-162. Apr.1953. 99.81 T482

63204 FOREIGN woods: Asia and Pacific Regions. (In Italian.) Indus. del Legno 5(2):34,36,38-40. (Cont.) Feb.1953. 99.82 In2

63205 GARLICK, G. The scientific approach to wood. Timber Technol. 61:163-164. Apr.1953. 99.81 T482

63206 HERGERT, H. L., and KURTH, E. F. The isolation and properties of catechol from white fir [Abies concolor] bark. J. Org. Chem. 18:521-529. Ref. May 1953. 381 J827

63207 HOWARD, E. J. Expanding the horizons of wood carbohydrates. Pulp & Paper Mag. Canada 54(5): 116-120. Ref. Apr.1953. 302.8 P96

63208 KISSER, J. Bericht über die im jahre 1952 von der Osterreichischen Gesellschaft für Holzforschung subventionierten forschungsarbeiten. Internatl. Holzmarkt 6:7-10. Mar.28,1953. 99.81 In82

63209 KRYN, J. M. Annotated list of references on the preparation of wood for microscopic study. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1939,8 p. Feb.1953. 1.9 F761R

63210 LIIRI, O. Puuovien ominaisuuksista ja niiden tutkimisesta. On the properties and testing of wooden doors. Finland. Valtion Tek. Tutkimuslaitos. Tiedoitus 109,23 p. 1953. 330.9 F49T
English summary.

63211 MARSHALL, H. B. The challenge of lignin. Pulp & Paper Mag. Canada 54(5):112-115. Apr.1953. 302.8 P96

63212 PADDON, T. W. Looking at wood. 3-4. Timber Technol. 61:66-67,112-114. Feb.-Mar.1953. 99.81 T482
Microscopy.

63213 RAMASWAMY, M. N., VARADARAJ, S. K., and GOWDA, D. R. The moisture content of sandalwood. Indian Forester 79:234-236. Apr.1953. 99.8 In2

63214 SCHUBERT, W. J., and others. Investigations on lignin and lignification. XIII. Electrophoresis of native and enzymatically liberated lignins. Amer. Chem. Soc. J. 75:1869-1873. Ref. Apr.20,1953. 381 Am33J
A. Passannante, G. de Stevens, M. Bier, and F. F. Nord, joint authors.
Lignin from various kinds of wood.

63215 SILVESTER, F. D. Wood block flooring and panel heating; an experiment in the restraining of movement. Wood [London] 18:138-141. Apr.1953. 99.82 W855

63216 THOMAS, A. V. Malayan timbers; Durian and Bengang. Malayan Forester 15:146-149. July 1952. 99.8 M292
Chiefly Durio and Neesia.

63217 TIMELL, T. E. The action of cold, concentrated sulfuric acid solutions on carboxymethylcelluloses. Svensk Papperstidn. 56:245-250. Ref. Apr.15,1953. 302.8 Sv2

63218 WISE, L. E. The chemical characteristics of tropical woods. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:17-27. Ref. Dec.1952. 99.9 F73Fa
Includes discussion.

Properties and Structure

63219 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOREST PRODUCTS. Sloping grain in timber. Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Forest Prod. Trade C. 48,16 p. 1952. 99.9 Au722T
Supersedes Trade Circular 13.

63220 CHATTAWAY, M. More about bark. Forest Prod. News Let. 192:1-2. Sept./Dec.1952. 99.9 Au722F

63221 COOPER, K. L. Preferred stress grades for structural timber. Austral. J. Appl. Sci. 4:77-83. Ref. Mar.1953. 475 Au74

63222 ERICKSEN, W. S. The distribution of stress in a wood pole bent by a radial end load. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1933,37 p. Feb.1953. 1.9 F761R

63223 GROSSMAN, P. U. A. The recovery of plywood after compression at elevated temperature. Austral. J. Appl. Sci. 4:98-106. Mar.1953. 475 Au74

63224 HIGGINS, H. G. Factors influencing the plastic deformation of timber and plywood in compression. Austral. J. Appl. Sci. 4:84-97. Ref. Mar.1953. 475 Au74

63225 HINO, I., and KATUMOTO, K. Notes on some properties of Brazilian woods. 1. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:91-103. Ref. 1952. 107.6 Y14
English summary.

63226 JANE, F. W. The structure of world timbers. 17-18. Timber Technol. 61:109-111,115,157-159. Mar.-Apr.1953. 99.81 T482

63227 KLOOT, N. H. Impact hardness tests on wood. Austral. J. Appl. Sci. 4:65-76. Mar.1953. 475 Au74

63228 LUMSDEN, G. Q., and COLLEY, R. H. Review of American standard fiber stresses of wood poles. Standardization 24:114-117,127. Apr.1953. 297.8 In22

63229 NORRIS, C. B., and KOMMERS, W. J. Stresses within a rectangular, flat sandwich panel subjected to a uniformly distributed normal load and edgewise, direct, and shear loads. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1838,17 p. Jan.1953. 1.9 F761R

63230 PILLOW, M. Y., TERRELL, B. Z., and HILLER, C. H. Patterns of variation in fibril angles in loblolly pine [Pinus taeda]. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1935,16 p. Feb.1953. 1.9 F761R

63231 RIO GRANDE DO SUL. INSTITUTO TECNOLOGICO. Physical and mechanical characteristics of Rio Grande do Sul timber. (In Portuguese.) Anu. Bras. de Econ. Florestal 4(4):202-212. 1951,pub.1952. 99.83 An8
English summary.
Nine species described.

63232 SERGEV, S. Shearing strength tests of glued joints. Trend 5(2):22-23. Apr.1953. 470 T72

63233 WANGAARD, F. F. The physical properties of tropical woods. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:10-16. Dec.1952. 99.9 F73Fa

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

63234 BAIER, W., and SEEBAUER, K. Forensische fragen um das fortpflanzungsgeschehen der haustiere. Berlin. u. Münch. Tierärztl. Wchnschr. 66:119-122. (Cont.) Apr.15,1953. 41.8 B45

63235 BONADONNA, T. Observations and proposals with respect to the artificial insemination campaign in Colombia. (In Italian.) Zootec. e Vet. 8:53-58. (Cont.) Feb.1953. 41.8 Z7

63236 CONTI, V. La inseminación artificial en la práctica. Uruguay. Min. de Ganad. y Agr. B. Inform. 10(453):6; (454):6; (455):11; (456):12-13. (Concl.) Ref. Feb.5-Mar.5,1953. 9.9 G15B

63237 GMELIN. Tierarzt und tierzüchter. Tierärztl. Umschau 8:137-138. Apr.1953. 41.8 T445

63238 MASOERO, P. Sterility and habitat. (In Italian.) Riv. di Zootec. 26:76-80. (Cont.) Mar.1953. 49 R52

63239 NASCIMENTO, C. B. The place of artificial insemination. (In Portuguese.) Lav. e Criação 7(44):46-47. Nov.1952. 49 L392
Brazil.

63240 RENDEL, J. M. Conclusions from some recent research into animal breeding. Austral. Inst. Agr. Sci. J. 19:2-7. Mar.1953. 23 Au74

63241 RUPP, G. Tierzucht auf neuen wegen. Kärntner Bauer 103:143-145. Apr.1,1953. 19 K14

63242 SCHNEIDER. Die niedersächsische tierzucht und tierhaltung im rahmen der europäischen landwirtschaft. Hannoversche Land- u. Forstwirt. Ztg. 106:414. (Concl.) Apr.4,1953. 18 H194

63243 STRANSKY, E. Moderne tierzucht und züchtungskunst; handbuch und beitrag zu ihrer gestaltung unter besonderer beachtung der kleintierzucht. Böheimkirchen,1952. 43 p. 40 St8

63244 TRETSVEN, J. O. Montana breeders of pure bred dairy cattle, dual purpose cattle, milk goats, and swine. Mont. State Col. Ext. C. D-240,15 p. July 1952. 275.29 M76Ci

63245 ZETTLER. Für und gegen die künstliche besamung. Bad. Landwirt. Wchnbl. 120:351-354. Apr.11, 1953. 18 B142

FEEDS AND FEEDING

63246 ÅKERBERG, E., NORDFELDT, S., and THOME, K. E. How to get high quality silage. (In Swedish.) Lantmannen 37:353-355. Apr.11,1953. 11 L234
Includes discussion.

63247 ALBRECHT, R. Silage is your best bet! It's the safest way to harvest, store grass-legume crop. Prairie Farmer, Gen. Ed. 125(10):1,20. May 16,1953. 6 P883

63248 APPLETON, J. M. Utilization of feeds other than grain in live stock production. Canad. Soc. Anim. Prod. Proc. 1952:24-31. 49.9 Ea72
Includes discussion.

63249 ARMSTRONG, J. B. Alfalfa silage cuts feed costs. Idaho Farmer 71:435,458. May 21,1953. 6 G282

63250 AXELSSON, J. Hay quality year 1952. (In Swedish.) Ladugården 3:80-81. Mar.1953. 44.8 L12

63251 AXELSSON, J. Quality of the hay in Middle Sweden for the last two years. (In Swedish.) Lantbrtidskr. f. Dalarna 2:52-56. Apr.1953. 11 L29

63252 BAKER, R. H., and BAILEY, R. A. Easier ways of handling ground feed on the farm. Ohio. Agr. Expt. Sta. Res. B. 724,31 p. Apr.1953. 100 Oh3S
Includes elevator grinding, storage, and home processing.

63253 BARRET, A., BIDAN, P., and GLANDARD, C. Ensilage des pulpes de betteraves; traitement industriel par levains lactiques. Indus. Agr. et Aliment. 70:287-290. Apr.1953. 383 As7
English summary.

63254 BELL, J. M. Studies on the nutritional value of low grade wheat. Canad. Soc. Anim. Prod. Proc. 1952: 82-84. 49.9 Ea72
For animals.

63255 BIZE, J. Les techniques de l'ensilage. Élevage et Cult. 5(51):19-22. (Cont.) Mar.1953. 24 EL2

63256 BLOUNT, W. P. Antibiotics for feeding stuffs. Inst. Corn & Agr. Merchants. J. 4:26-29. Spring 1953. 10 In7

63257 BREIREM, K. Silage and hay. (In Norwegian.) Samvirke [Oslo] 48:275-279. May 1,1953. 280.28 Sa4

63258 BROWNFIELD, B. Livestock and public ranges. Mont. Stockgrower 25(5):50-51. May 5,1953. 49 M76
Legislation.

63259 BRUGGEMANN, H. Wünsche und gewohnheiten unserer weidetiere. Deut. Landwirt.-Gesell. Mitt. 18: 421-422. Apr.30,1953. 18 N39

63260 CAILLAUD, E. Les topinambours dans l'alimentation animale. Agr. Creusoise 2(8):15-16. 1952? 14 Ag827

63261 CARD, P. Q. Flavor and aroma may be important factors in feed acceptance by livestock. Grain & Feed Rev. 42(7):14. Mar.1953. 280.28 G78

63262 CASSIDY, J. Mineral nutrition and its relation to the prevention of disease in livestock. (Sum.) Manx J. Agr. (n.s.)7(4):15,17,19. Apr.1953. 10 M312

63263 CHARLET, P. Influence des fautes alimentaires sur la stérilité des animaux domestiques. Ann. de la Nutr. et de l'Aliment. 7:109-120. (Cont.) Ref. 1953. 389.8 An73
Includes discussion.

63264 CORDIEZ, E. A P F et vitamine B_{12} comme facteur de croissance. Zootechnia 2:73-84. (Cont.) Ref. Jan./Feb.1953. 41.8 Z73

63265 COWAN, R. L., BRATZLER, J. W., and SWIFT, R. W. Grass silage preservation with sodium bisulfite. Pa. Agr. Expt. Sta. Prog. Rpt. 99,10 p. Apr.1953. 100 P381P

63266 DACCORD, A. Alimentation du bétail. Agenda de l'Agr. et du Vigneron 1953:307-313. 30.3 Ag33

63267 DIJKSTRA, N. D. Proefnemingen over het ensileren van gras met aardappelvezels en gestoomde aardappelen. Ensiling experiments of grass with potato pulp and steamed potatoes. Netherlands. Dir. van de Landb. Verslagen van Landbk. Onderz. 58(10),20 p. 1952. 105.2 V61V
English summary.

63268 DOWE, T. Recent research on ruminant nutrition. Grain & Feed J. Consolidated 110(9):25-26. May 13,1953. 298.8 G762

63269 DRAPER, N. Research reveals value of fat in animal feeds. Feedstuffs 25(19):89. May 9,1953. 286.81 F322

63270 ETTER, A. G. Watching animals eat; the eating habits of animals are nutritional barometers of the necessary nutrients to be found in forage plants. Org. Farmer 4(9):35-36,38-40,42-46. Apr.1953. 57.8 Or3

63271 FERANDOU, H. L'ensilage aux Etats-Unis. Agriculture [Paris] 17:75-76. Mar.1953. 14 Ag823

63272 GMELIN. Für das winterfutter muss jetzt gesorgt werden! Bad. Landwirt. Wchnbl. 120:397. Apr. 25,1953. 18 B142

63273 GMELIN. Der futterplan. Tierzüchter 5:192-193. Apr.20,1953. 49 T445

63274 GMELIN. Grünfutter und kraftfutter. Bad. Landwirt. Wchnbl. 120:354-355. Apr.11,1953. 18 B142
For various kinds of livestock.

63275 GMELIN. Ist das erste grünfutter immer das beste? Bauern-Ztg. 6(14):5,9. Apr.10,1953. 18 B324

63276 GORGES, P. Von der wiese zur portionsweide. Salzburger Bauer 8(18):1-2. Apr.30,1953. 19 Sa3

63277 HERVEY, C. Fat is cheap, let's feed it! Farm J. 77(6):31. June 1953. 6 F2212

63278 HOLST, G. Reymersholm's ensilage phosphate. (In Swedish.) Ladugården 4:120-121. Apr.1953. 44.8 L12

63279 HOWARD, F. L. Silage, hay discussed by consultant. Fla. Cattleman 17(9):66-67. June 1953. 43.8 F66
Florida.

63280 HOWARD, J. Grass silage, what kind will you make? Successful Farming 51(5):45,106-107. May 1953. 6 Su12

63281 THE INCIDENCE of cobalt deficiency in the Irish Republic. Irish Vet. J. 7:62-76. Apr.1953. 41.8 Ir4
Summary of a Symposium.

63282 JARL, F. Le tourteau de colza. (Extr.) Indus. de l'Aliment. Anim. 30:9-11. Feb.1953. 389.78 In2

63283 JEANS, T. K. Silage and dried grass. Farmers Annu. 1953:12-14. 10 F2237

63284 JENSEN, H. L. Current problems in connection with silage preparation. (In Danish.) Jydsk Landbr. 35:271-277. Apr.23,1953. 11 J99

63285 JENSEN, H. L. Recent silage methods, results of experiments and practical experiences. (In Danish.) Tidsskr. f. Landøkon. 4:141-154. Apr.1953. 11 T43

63286 KING, W. A. Supplementing grazing with silages. S. C. Young Farmer & Future Farmer Mag. 4(4): 6-7. Apr.1953. 6 So829
Chiefly preparation of silage.

63287 KIVIMAE, A. Chemical composition and digestibility of clover hay at different growth stages. (In Swedish.) Ladugården 4:100-102. Apr.1953. 44.8 L12

63288 KIVIMAE, A. Predrying increases the sugar content; sugar content of forage plants and its importance in the preparation of silage. (In Swedish.) Lantmannen 37:358-359. Apr.11,1953. 11 L234

63289 KNODT, C. B. Antibiotics in the growth of ruminant animals. Antibiotics & Chemother. 3:442-448. Ref. Apr.1953. 396.8 An8
Includes discussion.

63290 LADRAT, J. L'alimentation des jeunes animaux et leur avenir zootechnique. Rev. de Méd. Vét. [Toulouse] 103:454-466. Ref. Aug./Sept.1952. 41.8 R32

63291 LAVEZZINI, V. Conditions for obtaining a good silage from forage plants. (In Italian.) Avvenire Agr. 61:79-81. Apr.1953. 16 Av9

63292 LIEBSCHER, W. Ein wichtiger fortschritt in der gärfutterbereitung. Nicht frisches, sondern angewelktes grünfutter einsäuern! Österr. Landtech. 6:14-15. Jan.1953. 58.8 L236

63293 LOFGREEN, G. P., and KLEIBER, M. The availability of the phosphorus in alfalfa hay. J. Anim. Sci. 12:366-371. May 1953. 49 J82

63294 LOFGREEN, G. P. The estimation of total digestible nutrients from digestible organic matter. J. Anim. Sci. 12:359-365. May 1953. 49 J82

63295 LOWE, L. T. The student's handbook to animal nutrition, ed. by G. H. Purvis. Worcester,Littlebury,1952? 154 p. 389.7 L95S

63296 MAKAR, A. Pasturing en route. (In Serbo-Croatian.) Stočarstvo 6:407-422. Sept.1952. 43.8 St6

63297 MANNA, L., and HAUGE, S. M. A possible relationship of vitamin B_{12} to orotic acid. J. Biol. Chem. 202:91-96. Ref. May 1953. 381 J824
In distillers' dried solubles.

63298 MATIĆ, I. How long should alfalfa be utilized. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3): 19. Mar.1953. 21.5 V87

63299 MINSAAS, J., and others. Törking og melkvalitet [Drying and quality of the [herring] meal. (In Norwegian.) Sildolje-og Sildemelindus. Forskinst. Meld. fra SSF 3:42-52. Apr.1953. 414.9 B45M
M. Klungsoyr, G. Boge, and T. Sparre, joint authors.
English summary.

63300 MONNIG, H. O. Mixing stock licks. Rhodesian Farmer, Mar.18,1953:24-25,29. 24 R347

63301 MONTGOMERY, G. A. Here's the score on saving silage; cut it early, put it up without wilting, cover top with paper and smooth sides to prevent air pockets. Cappers' Farmer 64(5):29,45-48. May 1953. 6 M693

63302 MUHRER, M. E. Non-ruminants show increased gains using artificial rumen for pre-digestion. Feed Age 3(5):34-36. May 1953. 389.78 F327

63303 MYBURGH, S. J., LOUW, J. G., and GROENEWALD, J. W. The influence of processing on the efficiency of proteins. Onderstepoort J. Vet. Res. 25(4):93-98. Ref. Dec.1952. 41.8 On1

63304 NICHOLS, J. E. We must know more about minerals. Farmer & Stock-Breeder 67(3314):49,51. Apr. 28,1953. 10 F228
Deficiencies of trace elements in animal nutrition.

63305 NULLMANN. Ratschläge zur frühjahrs-einsäuerung. Landwirt. Z. der Nord-Rheinprov. 120:508-509. Apr.25,1953. 18 L2344

63306 OBRACEVIC, C. "Unit value" and its theoretic basis. (In Serbo-Croatian.) Stočarstvo 6:392-396. Sept.1952. 43.8 St6
Feed.

63307 PEIXOTO, A. M. Cane or silage for livestock feeding? (In Portuguese.) Soc. Rur. Bras. Rev. 33(384): 20-21. Jan.1953. 9.2 B733

63308 PERKINS, A. E., PRATT, A. D., and ROGERS, C. F. Silage densities and losses as found in laboratory silos. Ohio. Agr. Expt. Sta. Res. C. 18,16 p. Apr.1953. 100 Oh3R

63309 PFULB, K. Wie wird das gärfutter richtig bereitet? Württemb. Wchnbl. f. Landwirt. 120:440-441. Apr.25,1953. 18 W96

63310 PHILLIPSON, A. T. Digestion of cellulose by ruminants. (Sum.) Biochem. J. 54:iii. Apr.1953. 382 B52

63311 PLANITZ, C. B. Brauchen unsere tiere mehr phosphorsäure? Deut. Landwirt.-Gesell. Mitt. 68:452-453. May 7,1953. 18 N39

63312 POCHON, J. Role des bactéries cellulytiques dans la digestion et la nutrition; essai de synthese. Rev. des Ferment. et des Indus. Aliment. 8:17-20. (Cont.) Feb.1953. 390.08 R32
Carnivorae.

63313 POELT, H. Ueber abwelksilage, fälschlich "halbheu" genannt. Landwirt. Wchnbl. 143:557. May 2, 1953. 18 L2338

63314 POPKEN. Uber den weideaustrieb im zeitigen frühjahr. Landwirtbl. Weser-Ems 100:379-380. Apr.2, 1953. 18 L2345

63315 PORTER, J. W. G. Antibiotics and nutrition. Vet. Rec. 65:288-290. May 9,1953. 41.8 V641
Includes discussion.

63316 POS, J., and DOWNING, G. G. E. How to harvest, preserve and store grass silage. Farmer's Mag. 50(5):24-25,40-41. May 1953. 7 C165

63317 REICHERT, W. "Winterfutter" das ganze jahr? Zur grünfutterernte im bauernbetrieb. Österr. Landtech. 6:20-21. Jan.1953. 58.8 L236

63318 RIES, L. W. Arbeitswirtschaftliche probleme und technische hilfsmittel der betriebe mit vorwiegender stallfütterung. (Sum.) Österr. Landtech. 5:339-340. Dec.1952. 58.8 L236

63319 ROUEL, J., and CAILLAUD, E. L'exploitation du sel—l'utilité du sel en agriculture. Agr. Creusoise 2(7):16-21. 1952? 14 Ag827
Use in animal feeding.

63320 ROY, A. Fenaison et ensilage. Ferme 14(8): 32-33. Apr.1953. 7 F38

63321 RUF, E. W., and BURROUGHS, W. Ruminant nutrition and distillers feeds. Distillers Feed Conf. Proc. 8:57-63. Ref. 1953. 389.79 C765

63322 SCHULZE-ALTHOFF. Die englische landwirtschaft unter besonderer berücksichtigung der gärfutterbereitung. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A: 703-704. Apr.23,1953. 18 L2346

63323 SEALE, M. E. The value of rapeseed oil meal as a protein supplement. Canad. Soc. Anim. Prod. Proc. 1952:90-95. 49.9 Ea72

63324 SHEEHY, E. J. Minerals, vitamins and antibiotics. Agr. Ireland 10:106-107,109,111. (Cont.) May 1953. 10.5 Ag8
Livestock feeding.

63325 SMART, W. W. G., and others. Digestibility of forages. J. Agr. & Food Chem. 1:318-321. Ref. May 13, 1953. 381 J8223
F. W. Sherwood, G. Matrone, and G. H. Wise, joint authors.

63326 SOMMERKAMP. Die verwendung grüner melasse im betriebe. Landwirtbl. Weser-Ems 100:385-386. Apr.2,1953. 18 L2345
As feed.

63327 SPARKS, W. T. Silage making demonstration. Milk Bd. J. 4(3):28,31. Mar.1953. 44.8 M5934

63328 STOKSTAD, E. L. R. Antibiotics in animal nutrition. Antibiotics & Chemother. 3:434-441. Ref. Apr.1953. 396.8 An8
Includes discussion.

63329 TASSEL, J. La nourriture à l'avoine seule ne favorise pas la formation des os. Rev. de Méd. Vét. [Toulouse] 103:430-432. July 1952. 41.8 R32

63330 TINDALL, C. How cheap is roughage feed? Mo. Rur. 94(9):6-7,32. May 9,1953. 6 R8891

63331 TURK, K. L. Making better silage from forages. Dairymen's League News 37(10):6-7,11. May 12,1953. 44.8 D1432

63332 U. S. BUR. OF AGRICULTURAL ECONOMICS. Animal units of livestock fed annually 1909-10 to 1952-53. U. S. Bur. Agr. Econ. F. M. 112,8 p. May 1953. 1.941 L6F22

63333 VACHEL, J. P. Les antibiotiques dans l'alimentation des animaux. Rev. de l'Elevage 8:402-407. (Cont.) May 1953. 49 B462

63334 VIANELLO, G. Animal meals in the spread of animal diseases. (In Italian.) Humus 2:32-33. Feb.1953. 16 H88
Meat meal, fish meal, etc., imported to Italy.

63335 WALLIS, E. Die notwendigkeit der futtermitteluntersuchung. Deut. Landwirt. 4:157-159. Mar. 1953. 18 D4822

63336 WENNBLOM, R. D. Silage or hay? Farm J. 77(6):34-35,134. June 1953. 6 F2212

63337 WHISLER, P. A., and FRUSHOUR, G. V. Engineers advance art of making grass silage. Agr. Engin. 34:315-318. May 1953. 58.8 Ag83

63338 WHITLOCK, G. P. Antibiotics in livestock nutrition. Grain & Feed J. Consolidated 110(9):27-29. May 13,1953. 298.8 G762

63339 YAMADA, I. Studies on the feeding power of weeds. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:67-86. Ref. Feb.1953. 107.6 H68
English summary.

VETERINARY MEDICINE

63340 ALABAMA. STATE VETERINARIAN. Annual report for fiscal year ending September 30,1952. Montgomery,1952? 53 p. 41.9 AL1

63341 ALEANDRI, M. Influenza of animals, its analogy with human influenza. (In Italian.) Zooprofilassi 8:101-103. Mar.1953. 41.8 Z72

63342 AMERICAN CYANAMID CO. LEDERLE LABORATORIES DIV. The principles of immunization against disease. Anim. Indus. Newslet. 7(2):1-7. Feb. 1953. 41.8 Sci2

63343 ANDERSON, J. A. Recent advances in veterinary pharmacology. Veteran 5:4-7. (Cont.) Spring 1953. 41.8 V6493

63344 ANGELICI, G. The importance of statistics in the organization of the Veterinary Service. (In Italian.) Prog. Vet. 8:151-152,154. Mar.1,1953. 41.8 P942

63345 ASSOCIATION CANADIENNE DES VETERINAIRES. Compte-rendu du quatrième congrès annuel, septembre 1952. Canad. J. Compar. Med. 17:135-192. Apr.1953. 41.8 C162

63346 BADIALI, L. On the brain tissue neutralization test of rabies virus according to Kubes' and Gallia's method. (In Italian.) Zooprofilassi 8:49-54,57. Feb. 1953. 41.8 Z72
English summary.

63347 BAILEY, W. S. Lesions of selected parasitic infections. Vet. Med. 48:238,241. June 1953. 41.8 M69

63348 BANHAM, G. A. The veterinary surgeon's vade mecum. Ed. 8, by W. A. Greig. London,Baillière, Tindall & Cox,1952. 216 p. 41 B225

63349 BANKS, W. C. The use of roentgenograms for problem cases. Sowest. Vet. 6:243-245. Spring 1953. 41.8 So82

63350 BARDOULAT, M. Indications de la scopolamine lévogyre. Rev. de Méd. Vét. [Toulouse] 103:400-409. July 1952. 41.8 R32

63351 BARKE, A. Was heisst zum "inneren" oder "äusserlichen" gebrauch? Tierärztl. Umschau 8:129-130. Apr.1953. 41.8 T445
Of drugs.

63352 BEDDOWS, A. R. Observations on hoove, hoven, blown, or bloat taken from agricultural writings, 1716-1827. U. Col. Wales. Agr. Soc. J. 35:12-15. 1952. 10 Un3

63353 BEQUIGNON, R., and VIALAT, C. Contrôle des vaccins antirabiques par épreuve sur le lapin. Inst. Pasteur. Ann. 84:529-531. Mar.1953. 448.3 An75

63354 BERTHELON, M., and TOURNUT, J. Maladies du nouveau-né: l'anoxie. Encyc. Vét. Period. 9/10:245-249. 1952. 41.8 En1

63355 BILD, C. E. Clinical hematology. No. Amer. Vet. 34:347-349. May 1953. 41.8 N812

63356 BODDIE, G. F. Introduction to veterinary therapeutics. London,Oliver & Boyd,1952. 196 p. 41 B6371

63357 BOLLE, W. Neue geräte zur kompression von venen. Deut. Tierärztl. Wchnschr. 60:171. Apr.15,1953. 41:8 D482

63358 BORCHERT, A. Die Cestoden unserer haussäugetiere. Merkbl. über die Hauptsächlichsten Parasiten u. Parasitengruppen 11,58 p. Ref. 1952. 436.8 M54

63359 BORCHERT, A. Knötchen-, dickdarm-, haar- und peitschenwürmer der säugetiere. Merkbl. über die Hauptsächlichsten Parasiten u. Parasitengruppen 13,35 p. Ref. 1952. 436.8 M54

63360 BOST, J. Greffes et transplantations animales. Rev. de Méd. Vét. [Toulouse] 103:279-289. Ref. May 1952. 41.8 R32

63361 BRATT, H. M., and MELANCON, J. L. A method for the prevention of bloat in ruminants. Sowest. Vet. 6:238-239. Spring 1953. 41.8 So82

63362 BRION, A. Les infections des nouveau-nés. Rev. de l'Elevage 8:408-409. (Cont.) May 1953. 49 B462

63363 BRUNAUD, M. Le transit des aliments et des médicaments dans les réservoirs gastriques des ruminants. Rev. de Méd. Vét. [Toulouse] 103:543-546. Aug./Sept.1952. 41.8 R32

63364 CANADA. DEPT. OF AGRICULTURE. VETERINARY DIRECTOR GENERAL. Report for the year ended March 31, 1952. Ottawa,1953. 69 p. 41.9 C16

63365 CARPENTER, C. D. Sanitation in public health food processing and distribution. Amer. Vet. Med. Assoc. Proc. 89:376-377. 1952,pub.1953. 41.9 Un3

63366 CHAMBONNET, A., and BONNAL, R. Exposé d'ensemble sur la situation de l'epizootie de fièvre aphteuse et les mesures a prendre. Agr. Creusoise 2(7):12-15. 1952? 14 Ag827

63367 CLARK, R. Studies on the pharmacology and toxicology of Acovenoside A. Onderstepoort J. Vet. Res. 25(4):69-74. Dec.1952. 41.8 On1
Toxicity of glycoside from Acokanthera venenata.

63368 COLLINS, J. H. Federal drug regulations as they apply to veterinarians. Food Drug Cosmetic Law J. 8:333-336. May 1953. 389.58 F732

63369 COLOMBIA. MINISTERIO DE AGRICULTURA. Campaña nacional anti-aftosa. Colombia. Min. de Agr. Div. de Fxt. B. Inform. 2,27 p. Jan./Feb.1953. 275.249 C71

63370 COMITE MIXTO DE LUCHA ANTIRRABICA. La rabia en la zona metropolitana de Caracas (julio 1951-agosto 1952); sintesis del informe. Venezuela. Inst. de Invest. Vet. B. 4:651-656. Dec.1952. 41.9 V552
English summary.

63371 CORTICELLI, B. Contribution to the technique of preparation of serum by precipitating bovine globulin at high titer. (In Italian.) Soc. Ital. di Biol. Sper. B. 28: 1122-1125. June 1952. 442.8 So12

63372 CORTICELLI, B. Coombs' test in the study of the genesis of the paradoxical phenomenon in agglutination of Brucella abortus. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1126-1128. June 1952. 442.8 So12

63373 COSTA, J. E. DA. Services of veterinary medicine to public health. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:480-487. July/Dec.1952. 41.8 R3215

63374 DEHNER, O. Die bedeutung der herz- und kreislaufschwäche bei grosstieren und ihre therapie. Tierärztl. Umschau 8:109-113. Apr.1953. 41.8 T445

63375 DOUGHERTY, R. W. The continuing quest for the cause of bloat in ruminants. Amer. Vet. Med. Assoc. J. 122:345-353. Ref. May 1953. 41.8 Am3

63376 EICHHORN, E. A. To protect our meat supply; OAS research and training center fights foot-and-mouth disease. Américas 5(5):3-5,42-43. May 1953. 150.9 Am34
Pan American Center for Foot-and-Mouth Disease at São Bento, Brazil.

63377 ERDHEIM, M. Leptospirosis in farm animals. (Sum.) Vet. Sci. News 7:17-18. Apr.15,1953. 41.8 V6492

63378 FAGOT, V. Coup d'oeil rétrospectif sur l'épizootie de fièvre aphteuse de 1951-52 et conclusions pour la prochaine. Sillon Belge 23(556):24. Apr.18,1953. 13 Si3

63379 FINLAND. MAATALOUSMINISTERIO ELAINLAAKINTOOSASTO. Eläinlääkintölaitos. Rapport de la Section Vétérinaire du Ministère de l'Agriculture pour l'année 1950. Helsinki,1953. 45 p. 41.9 F492
Summary and tables also in French.

63380 FLORENTIN, P. Mise au point sur la situation et les voies de communications intérieures des réservoirs gastriques, chez les ruminants domestiques. Rev. de Méd. Vét. [Toulouse] 103:530-542. Aug./Sept.1952. 41.8 R32

63381 FRANCIA, F. DEL. Recent contributions to the problem of Roeckl's granuloma. (In Italian.) Zooprofilassi 8:108-110. Mar.1953. 41.8 Z72

63382 GASSNER, F. M. ACTH (adrenocorticotropin hormone) in veterinary medicine. Norden News 27:7,18, 21. Mar./Apr.1953. 41.8 N75

63383 GILLESE, J. P. Alberta's war against rabies. Family Herald & Wk. Star 84(16):3,19. Apr.16,1953. 7 F21

63384 GRANJOU. L'enseignement technique vétérinaire au Cambodge. Rev. d'Elevage et de Méd. Vét. des Pays Trop. 5:233-237. 1951/52. 41.8 R3262

63385 GUILBRIDE, P. D. L. Veterinary public health: the importance of animal disease to public health in the Caribbean with special reference to Jamaica. I-II. n.p., 1952. 2 v. Ref. 41 G944
From West Indies Medical Journal.

63386 HABERMAN, J. J. The farmer's veterinary handbook. New York,Prentice-Hall,1953. 305 p. 41 H119

63387 HALL, H. C. Combination intravenous anesthesia. Vet. Med. 48:201. May 1953. 41.8 M69

63388 HANSARD, S. L., and others. Blood volume of farm animals. J. Anim. Sci. 12:402-413. Ref. May 1953. 49 J82
W. O. Butler, C. L. Comar, and C. S. Hobbs, joint authors.

63389 HARRIS, L. E. Label requirements on pharmaceuticals designed by the veterinarian. Norden News 27:11. Mar./Apr.1953. 41.8 N75

63390 HAUSMANN, W. Anregungen zur seuchenprophylaxe. Tierärztl. Umschau 8:132. Apr.1953. 41.8 T445

63391 HJARRE, A. Uber ätiologische und pathogenetische verhältnisse bei der sogenannten toxischen leberdystrophie bei tieren. Deut. Tierärztl. Wchnschr. 60:141-145. Ref. Apr.1,1953. 41.8 D482

63392 HONG KONG. VETERINARY OFFICER. Report of the Senior Veterinary Officer [1951-1952]. Hong Kong? 1952? 28 p. 41.9 H75

63393 HORNBY, H. E. Animal trypanosomiasis in eastern Africa, 1949. London,H. M. Stationery Off.,1952. 39 p. 41 H785

63394 HORRENBERGER, R. Recherche du virus rabique chez les rats de la ville d'Alger. Inst. Pasteur d'Algérie. Arch 30:371-376. Ref. Dec.1952. 448.3 In7A

63395 HUNOLD, G. A. Methoden zum nachweis von rattengiftstoffen im körper kranker oder verendeter haustiere. Deut. Apoth.-Ztg. 93:258-261. Apr.9,1953. 396.8 Su2

63396 HUPKA, E. Gefahren der als botulismus bekannten futtervergiftung für die haustiere. Tierzüchter 5:186-187. Apr.20,1953. 49 T445

63397 HUTCHINGS, L. M. The livestock industry's responsibility in animal disease control. (Sum.) Vet. Sci. News 7:11-13. Apr.15,1953. 41.8 V6492

63398 JACCOTTET, A. Premiers soins a donner aux animaux en cas de maladie ou d'accident. Agenda de l'Agr. et du Vigneron 1953:315-319. 30.3 Ag33

63399 JAWAD, S. Veterinary medicine in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:393-396. Apr./June 1953. 22.5 Ir1
English summary, p. 10.

63400 JONAS, S., and JONAS, A. M. Self-retaining medullary extension splint. Amer. Vet. Med. Assoc. J. 122:361-365. May 1953. 41.8 Am3

63401 KNOWLES, R. P. Support of the surgical patient. Sowest. Vet. 6:234-237. Spring 1953. 41.8 So82
Care.

63402 KRAL, F. Skin diseases of large animals. Vet. Med. 48:173-177. May 1953. 41.8 M69

63403 KUNKEL, H. O. Rumen bacteriology—its relation to ruminant nutrition. Sowest. Vet. 6:276-277. Spring 1953. 41.8 So82

63404 LABORATOIRES HOMOEOPATHIQUES DE FRANCE. Homoeopathie vétérinaire abrégé de thérapeutique. Ed. 2. Asnières,1952. 32 p. (La Documentation Homoeopathique 22) 41 L115

63405 LAFENETRE, H. La prophylaxie des brucelloses en France. Rev. de Méd. Vét. [Toulouse] 103:496-510. Aug./Sept.1952. 41.8 R32

63406 LE CAIN, M. A. Fiévre aphteuse, notes techniques sur l'epidémiologie et la prophylaxie. Agr. Creusoise 2(8):3-5. (Cont.) 1952? 14 Ag827

63407 LEENEY, H. Home doctoring of animals. Ed. 5, rev. by C. G. Saunders. London,Farmer & Stock-Breeder P.,1952. 453 p. 41 L51H

63408 LIENHART, R. Rapports numériques des sexes à la naissance chez quelques mammifères domestiques. Soc. de Biol. Compt. Rend. 146:1964-1967. Dec.1952. 442.9 P21

63409 LINTON, R. G. Veterinary hygiene. Ed. 4, by N. S. Scorgie and G. A. Willis. Edinburgh,Green,1952. 458 p. 41 L65

63410 LOCKHART, G. P. Investigación y nuevos productos en medicina veterinaria. Res 21:27742-27743. Jan.20,1953. 286.85 R31

63411 LOMBARD, C. La conduite du vétérinaire-hygiéniste dans les abatages d'urgence. Rev. de Méd. Vét. [Toulouse] 103:511-525. Aug./Sept.1952. 41.8 R32

63412 LUMAINE. Tuberculine et tuberculination. Sillon Belge 23(556):9. Apr.18,1953. 13 Si3

63413 MANTOVANI, A. Animal mycoses and their transmission to man. (In Italian.) Croce Azzurra 4:69-78. (Cont.) Mar./Apr.1953. 41.8 C87

63414 MILLER, L. T., and FELDMAN, H. A. Incidence of antibodies for Toxoplasma among various animal species. J. Infect. Dis. 92:118-120. Mar./Apr. 1953. 448.8 J821

63415 MILLER, R. E. Medicated feeds. Feeds Illus. 4(5):30-32,36. May 1953. 389.78 F326

63416 MILO, H. A. Pennsylvania Bureau of Animal Industry activities, 1952. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 130:47-52. Apr.17,1953. 41.9 P386
Chiefly diseases.

63417 MOHLMANN, H. Der heutige stand in der bekämpfung der maul- und klauenseuche. Deut. Landwirt. 4:216-219. Apr.1953. 18 D4822
Russian Zone.

63418 MORQUER, R., RIVALS, P., and ANDRAL, L. Une plante dangereuse pour le bétail: le Galega officinalis Rev. de Méd. Vét. [Toulouse] 103:390-399. Ref. (Concl.) July 1952. 41.8 R32

63419 NUSBAUM, S. R. Another use of the Dyson trachea tube. Vet. Med. 48:254. June 1953. 41.8 M69

63420 OCHOA, S. Carbon dioxide fixation in animals and plants. Soc. de Chim. Biol. B. 35:83-99. 1953. Ref. 383 So1

63421 PERDRIX, J. Essais de vaccination antiaphteuse par la voie intradermique. Rec. de Méd. Vét. 129: 239-240. Apr.1953. 41.8 R24

63422 POSOKHIN, E. G. Tuberkulez sel'skokhozíaĭstvennykh zhivotnykh [Tuberculosis of farm animals]. Moskva,Gos. Izd-vo Selkhoz Lit-ry,1952. 34 p. 41 P842

63423 PRIETO LARROTA, H. Fiebre aftosa, tipo "A." Rev. Agr. y Ganad. 13(157):13-15. Feb.1953. 9.4 R327

63424 PROSKURA, A. Lineal calendar of pregnancy of domestic animals. (In Serbo-Croatian.) Stočarstvo 6: 430-432. Sept.1952. 43.8 St6

63425 RAMON, G. A propos de fièvre aphteuse, de grippe et autres viroses. Etude d'immunologie et de prophylaxie comparées. Acad. Natl. de Méd. B. (ser.3) 137:206-215. Mar.17/24,1953. 448.9 P21

63426 RAMON, G. Fièvre aphteuse—considérations épidémiologiques, virologiques et immunologiques—les leçons d'une grande épizootie. Rev. d'Immunol. 17:50-79. Ref. 1953. 448.8 R323

63427 RICCI, R. Summary on diagnosis of parts of the viscera—technique for examination. (In Italian.) Croce Azzurra 4:93-109. Mar./Apr.1953. 41.8 C87

63428 RIEMANN, A. T. Electric anesthesia. (In Danish.) Jydsk Landbr. 35:266-268. Apr.16,1953. 11 J99

63429 ROBERTS, H. D. B. Antimicrobial nitrofurans in mastitis and dermatomycoses. Vet. Med. 48:224-227, 230. Ref. June 1953. 41.8 M69

63430 ROBERTS, S. J. Practical large-animal medicine. No. Amer. Vet. 34:330-333,335. May 1953. 41.8 N812

63431 ROLSHAUSEN, FREIHERR VON. Erkrankung von vieh über erdstrahlen. Landwirt. Z. der Nord-Rheinprov. 120:450-451. Apr.11,1953. 18 L2344

63432 ROMANELLI, V. Observations and considerations on the stem cells of the bone marrow of domestic animals. (In Italian.) Arch. Vet. Ital. 4:7-34. Ref. Feb. 28,1953. 41.8 Ar25
English summary.

63433 SASTROAMIDJOJO, S. Some factors of veterinary medicine and their effects on physician-practice. (In Indonesian.) Hemera Zoa 60:59-71. Jan./Feb.1953. 41.8 V51

63434 SCHEBITZ, H. Einige beobachtungen bei der Baludon- und sulfanilamid-applikation. Tierärztl. Umschau 8:117-121. Ref. Apr.1953. 41.8 T445

63435 SCHEIDY, S. F., and BUNN, C. E. E. Antibiotics: synergism and antagonism. Vet. Med. 48:178-181. May 1953. 41.8 M69

63436 SCHLEITER. 60 jahre veterinär-chirurgie. Deut. Tierärztl. Wchnschr. 60:181-184. May 1,1953. 41.8 D482

63437 SEDDON, H. R. Diseases of domestic animals in Australia. 4. Protozoan and viral diseases. Austral. Div. Vet. Hyg. Serv. P. 8,214 p. 1952. 41.9 Au75

63438 SERGENT, G. Actions inattendues d'un phosphate de chaux colloidal. Rec. de Méd. Vét. 128:622-623. Oct.1952. 41.8 R24
Effect on eyes and metabolism.

63439 SOUTHERN VETERINARY MEDICAL ASSOCIATION. 35th annual convention, [Jackson, Mississippi, November 17-19,1952. Papers presented]. Vet. Med. 48: 215-220,224-243. June 1953. 41.8 M69

63440 STILES, W. I am not a veterinarian, but. No. Amer. Vet. 34:353-355. May 1953. 41.8 N812

63441 TANGANYIKA. DEPT. OF VETERINARY SCIENCE AND ANIMAL HUSBANDRY. Annual report 1951. Dar es Salaam,1952. 40 p. 41.9 T15

63442 TENNILLE, N. B. Diagnostic radiology. Vet. Med. 48:233-236. June 1953. 41.8 M69

63443 TEUSCHER, R. Tonil, ein neuartiges sulfonamidpulver für die veterinärchirurgie. Monatsh. f. Vetmed. 8:115-116. Mar.15,1953. 41.8 M742

63444 THEILE, H. Veterinärmedizin und Fünfjahrplan. Deut. Landwirt. 4:160-162. Mar.1953. 18 D4822
Russian Zone.

63445 TIERKEL, E. S. Rabies and its control. Vet. Sci. News 7:14-16. Apr.15,1953. 41.8 V6492

63446 TOBIAS, P. W. What's your D.Q.? (disease quotient). Feeds Illus. 4(5):28-29. May 1953. 389.78 F326
Livestock.

63447 TOBISKA, J. W. Animal health. 10. Chemical poisoning of ranch animals. West. Live Stock 38(9):17, 64. Apr.1953. 49 W523

63448 TRUM, F. Whole body irradiation of large animals. Mil. Surg. 112:333-341. Ref. May 1953. 448.8 M59

63449 USUELLI, F., and PIANA, G. Nutritional and genetic factors in the prevention of infectious diseases. 1. (In Italian.) Riv. di Zootec.26:71-75. Mar. 1953. 49 R52

63450 VALADE, P., and others. Eléments de pathologie "sonique": le syndrome traumato-vibratoire expérimental. Acad. Vét. de France. B. 26:113-122. Ref. Feb.1953. 41.9 R24
P. Bugard, E. Coste, and J. Salle, joint authors.

63451 VALE, J. M. DO. History of the Portuguese Society of Veterinary Medicine. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:215-441. July/Dec.1952. 41.8 R3215

63452 VALE, J. M. DO. The veterinarian as a pioneer in agricultural progress. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:448-467. July/Dec.1952. 41.8 R3215

63453 VAN VOLKENBERG, H. L., and others. A preliminary list of common names for helminths. J. Parasitol. 39:348-351. June 1953. 448.8 J824
D. B. McMullen, J. R. Christie, and P. D. Harwood, joint authors.
Of animals and plants.

63454 VELDMAN, F. J. Bloat of ruminants. Rhodesian Farmer, Mar.18,1953:20-21. 24 R347

63455 VERLINDE, J. D. Virus diseases of men and animals. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:83-95. 1952. 12 N384

63456 VITTOZ, R. Réflexions sur la notion de "maladie exotique" en épizootologie. Acad. Vét. de France. B. 26:131-134. Feb.1953. 41.9 R24

63457 WAHL, H. Der nachweis der maul- und klauenseuche beim menschen. Z. f. Tropmed. u. Parasitol. 4:26-31. Oct.1952. 448.8 Z37
English summary.

63458 WHEELER, F. B. Control livestock diseases. Gulf Coast Cattleman 19(3):5-6. May 1953. 43.8 G95

63459 WILLE, R. Sauerstoff, ein spezifikum bei nachgeburtsanomalien. Tierärztl. Umschau 8:122-124. Apr.1953. 41.8 T445

63460 YOHE, R. S. Disease control in Scandinavia. Amer. Vet. Med. Assoc. J. 122:357-360. May 1953. 41.8 Am3

MISCELLANEOUS

63461 ALVAREZ, M. Posibilidades ganaderas de la región del Dto. Miranda, Estado Guárico. Agro [Maracay] 7(22):51-59. Sept./Oct.1952. 9.95 Ag83

63462 CANADIAN SOCIETY OF ANIMAL PRODUCTION. Proceedings of the annual meetings of the general Society and Western Section, 1952. Ottawa?1952. 126 p. 49.9 Ea72

63463 CANADIAN SOCIETY OF ANIMAL PRODUCTION. SHOWRING STANDARDS COMMITTEE. Progress reports. Canad. Soc. Anim. Prod. Proc. 1952:110-117. 49.9 Ea72
Beef cattle, by R. G. Knox, chairman; Dairy cattle, by G. E. Raithby, chairman; Sheep, by L. H. Hamilton, chairman; Swine, by R. P. Forshaw, chairman (with part I by A. A. MacMullen).

63464 FABBRI, R. Livestock shows. (In Italian.) Agr. Ferrarese 56:101-105. May 31,1952. 16 Ag87

63465 FERREYRA, L. G. Pequeño matadero. Rev. Ganad. [Habana] 13(4):36-37. Apr.1953. 49 R321

63466 GUTTERRES, J. DE B. Considerations on livestock developments overseas. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:490-503. July/Dec.1952. 41.8 R3215

63467 JORDANO BAREA, D. La clasificación decimal zootécnica. B. de Zootec. 9:55-58. (Cont.) Feb.1, 1953. 41.9 So16

63468 JOUBERT, D. M. Britain's answer to demand for quality meat. Farmer's Wk. [Bloemfontein] 85:43. Apr.8,1953. 24 F225
Livestock at the Smithfield Show.

63469 KHAYYAT, S. M. The animal wealth of Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:397-406. Apr./June 1953. 22.5 Ir1
English summary, p. 10.

63470 LYFTINGSMO, E. Raising reindeers. (In Norwegian.) Tidsskr. f. det Norske Landbr. 60:20-24. Jan./Feb.1953. 11 T433

63471 MAKSIMOVIC, M. Much greater attention needs to be devoted to the development of animal husbandry. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):1-3. Mar.1953. 21.5 V87
Yugoslavia.

63472 MATOS, A. A. P. DE. Livestock—a national problem. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47:504-522. July/Dec.1952. 41.8 R3215

63473 PARKER, C. V. Canadian live stock and grain production. Canad. Soc. Anim. Prod. Proc. 1952:1-13. 49.9 Ea72
Includes discussion.

63474 RINGLER. Der tierbeurteilungswettbewerb im Tierzuchtamtsbereich Kaufbeuren und seine lehren. Allgäuer Bauernbl. 21:270-271. Apr.23,1953. 18 AL53

63475 SACCO, P. Wonders of scientists in the zootechnic field. (In Italian.) Croce Azzurra 4:113-115. Mar./Apr.1953. 41.8 C87

63476 TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. 9 point livestock and poultry program. College Station,1952? 8 p.-folder. 275.2 T31Ni

63477 TRIBE, D. E. The importance of animal behaviour studies in animal production. Austral. Inst. Agr. Sci. J. 19:28-33. Ref. Mar.1953. 23 Au74

63478 WINNIGSTEDT, R. Engere zusammenarbeit mit den beratern; was erwartet der landwirt von der tierschau der DLG-Ausstellung 1953 in Köln. Übersicht 4:330-332. Apr.1953. 18 Ub3

CATTLE

Breeds and Breeding

63479 AMERICAN GUERNSEY CATTLE CLUB. 1952 year of progress—76th annual report. Guernsey Breeders' J. [Peterborough] 88:193-208. May 15,1953. 43.8 G93

63480 AYRSHIRE SOCIETY OF QUEBEC. Annual report, 1952. Canad. Ayrshire Rev. 33:383-387. Apr.1953. 43.8 Ay72

63481 BAEKKEDAL, H. Expansion of artificial insemination in Norway. (In Norwegian.) Landbrukstidende 50:210-213. (Cont.) Mar.18,1953. 11 L236
Cattle.

63482 BAEKKEDAL, H. Expansion of artificial insemination in Norway. (In Norwegian.) Landbrukstidende 59:231-234. (Cont.) Mar.25,1953. 11 L236
Cattle.

63483 BARTLETT, D. E., MOIST, K., and SPURRELL, F. A. The Trichomonas foetus-infected bull in artificial insemination. Amer. Vet. Med. Assoc. J. 122:366-370. Ref. May 1953. 41.8 Am3

63484 BATTLES, O. V. Recent Hawaiian observations. Aberdeen-Angus J. 34(10):75,108,110. May 1953. 43.8 Ab3

63485 BERRY, J. C. Progress in line breeding Ayrshires at the University of British Columbia. Canad. Soc. Anim. Prod. Proc. 1952:80-81. 49.9 Ea72

63486 BISHOP, F. G. The case for the smaller cow. Prog. Farmer, Tex. Ed. 68(5):60. May 1953. 6 T311
Jersey and Guernsey.

63487 BLENDINGER, W. Die fruchtbarkeit des rindes im anschluss an den medianen kaiserschnitt. Deut. Tierärztl. Wchnschr. 60:167-169. Apr.15,1953. 41.8 D482

63488 BONADONNA, T. Breeds raised and the zootechnical problem in Colombia. (In Italian.) Zootec. e Vet. 7:438-444. Nov./Dec.1952. 41.8 Z7
Chiefly cattle.

63489 BONADONNA, T. Is the artificial insemination in domestic animals declining in the world. (In Italian.) Zootec. e Vet. 7:465-471. Nov./Dec.1952. 41.8 Z7
Cattle.

63490 BOUWMAN, J. N. Export of Groningen cattle and the good producing qualities of that cattle. (In Dutch.) Stamboeker 35:47. Apr.9,1953. 43.8 V58

63491 BREEDERS' register, v. 9, 1951-52 edition. Coln,Iowa,1952. 264 p. 225 B74
National directory of purebred breeders of beef cattle and hogs.

63492 BROCHART, M., and VALETTE, P. L'appréciation de la fécondité des taureaux à l'insémination artificielle. Rev. d'Elevage et de Méd. Vét. des Pays Trop. 5:195-202. Ref. 1951/52. 41.8 R3262

63493 BUIATTI, P. G. Orientation and progress in the production of beef. (In Italian.) Humus 2:17-23. Feb.1953. 16 H88
English summary, p. 4.
Breeding dual-purpose cattle, such as Chiana breed, for meat, in Italy.

63494 CAILLAUD, E. Les races laitières. Agr. Creusoise 2(6):6-7. 1952? 14 Ag827

63495 CAMICI, D. The stable for the dairy "queens" and the Artificial Insemination Center of the "Bonifiche" of Battipaglia. (In Italian.) Zootec. e Vet. 7:472-478. Nov./Dec.1952. 41.8 Z7

63496 CAMPBELL, R. C., HANCOCK, J. L., and ROTHSCHILD, LORD. Counting live and dead bull spermatozoa. Expt. Biol. J. 30:44-49. Mar.1953. 442.8 B77

63497 CHIEFFI, A. Infertility of sires. (In Portuguese.) Lav. e Criação 7(44):44-45. Nov.1952. 49 L392
Beef cattle.

63498 COBB, G. R., and BROOKS, L. Bull-breeding a job for the specialist. Farmer & Stock-Breeder 67(3314): 37,39. Apr.28,1953. 10 F228
Dairy cattle.

63499 COLLINS, R. You, too, can have more milk in the pail. Mo. Farmer 45(6):4-5. June 1953. 6 M696
Artificial insemination.

63500 CUPPS, P. T., LABEN, R. C., and MEAD, S. W. The relation of certain semen-quality tests to breeding efficiency and characteristics of semen from low-fertility bulls before and after hormone injection. J. Dairy Sci. 36:422-426. Ref. Apr.1953. 44.8 J822

63501 DE GUERIN, B. C. The Jersey breed today. Hearth & Farm 7:240-242. Spring 1953. 10 B47

63502 DEITEMEYER, C. Dairy stud moves to Fremont. Nebr. Farmer 95(10):8,49. May 16,1953. 6 N27
Nebraska Dairy Breeders Association.

63503 DOI, Y., and KOGA, K. The relation between the cultivation of rice and soy bean and the use of Misima cattle (Japanese native cattle). (In Japanese.) Yamaguti U. Facul. Agr. B. 3:197-202. 1952. 107.6 Y14
English summary.

63504 DONALD, H. P., and HANCOCK, J. L. Evidence of gene-controlled sterility in bulls. J. Agr. Sci. 43:178-181. Ref. Apr.1953. 10 J822

63505 DUITSMAN, W. W., and KESSLER, F. B. Beef cattle feeding and breeding investigations for 1952-53. Kans. Agr. Expt. Sta. C. 298,15 p. Apr.24,1953. 100 K13S

63506 DUNN, H. O., BRATTON, R. W., and HENDERSON, C. R. Fertility of bovine spermatozoa in buffered whole egg extenders containing penicillin, streptomycin, sulfonamides and added glucose. J. Dairy Sci. 36: 524-529. Ref. May 1953. 44.8 J822

63507 FEDERATION EUROPEENNE DE ZOOTECHNIE. Comment choisir les reproducteurs sur leur descendance. Rev. de l'Elevage 8:416-419. May 1953. 49 B462
Summaries of reports on cattle presented by E. Quittet and by H. Lortscher and Dr. Nadai.

63508 GALVEZ, M. La raza Santa Gertrudis y sus posibilidades en Cuba. Cuba Ganad. 13(10,i.e.9):17-18. (Cont.) May 1,1953. 49 C89

63509 GARCIA VALENCIA, E. Ganado Blanco Orejinegro. Soc. Antioqueña de Agr. B. Agr. 395:3923-3924. Mar.1953. 9.4 So1

63510 GATGENS. 50 jahre dänische Jerseyzucht. Tierzüchter 5:163-165. Apr.5,1953. 49 T445

63511 GENNARI, G. The best age for breeding dairy heifers. (In Italian.) Avvenire Agr. 61:89-90. Apr. 1953. 16 Av9

63512 HANCOCK, J. L. The spermatozoa of sterile bulls. Expt. Biol. J. 30:50-56. Mar.1953. 442.8 B77

63513 HERRICK, J. B. Breeding problems. Iowa Vet 24(3):16-18. May/June 1953. 41.8 Io9
Cattle.

63514 HOLLINGSWORTH, R. T. Will your bull be a beauty—or will he grow economically. Agrarian 12(2): 25. Spring 1953. 276.8 Ag8
Feeding.

63515 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Holstein-Friesian herd-book containing a record of all Holstein-Friesian cattle approved and admitted for entry since the close of the last volume, v. 12, 1951. Brattleboro,1952. unpaged. 43.9 H74

63516 HOUSEHOLDER, G. M. Selective registration—another step forward in Holstein progress. West. Dairy J. 9(7):29-31. May 1,1953. 44.8 W524

63517 JOHANSSON, I. A new type of achondroplasia in cattle. Hereditas 39:75-87. Ref. 1953. 442.8 H42

63518 JOYCE, E. B. Aspects of station management. II. Breeds of cattle. Past. Rev. 63:227,229. Mar.16,1953. 23 Au75

63519 KARRAS, W. Beobachtungen über fruchtbarkeitsstörungen nach verfütterung von liquor kalii arsenicosi an zwei jungbullen. Berlin. u. Münch. Tierärztl. Wchnschr. 66:122-126. Ref. Apr.15,1953. 41.8 B45
English summary.

63520 KEHREN. Die rhein. schwarzbuntzucht nach dem kriege. Landwirt. Z. der Nord-Rheinprov. 120:449-450. Apr.11,1953. 18 L2344

63521 KIRKSEY, G. Another year of Santa Gertrudis progress. Amer. Breeds 4(12):6. May 1953. 43.8 Z12

63522 KONIG. Nach zweijähriger unterbrechung wieder hauptkörungen im Landkreis Memmingen. Allgäuer Bauernbl. 21:271-272. Apr.23,1953. 18 AL53

63523 KONIG, K. Anerkannte vererber in der Allgäuer Braunviehzucht. Deut. Landwirt.-Gesell. Mitt. 68: 333-334. Apr.2,1953. 18 N39

63524 KORDTS, E. Untersuchungen über die spermaqualität von bullen als indikator für die beurteilung von fütterungs- und haltungseinflüssen. II. Kieler Milchwirt. Forschber. 5:191-205. 1953. 44.9 K542
English summary.

63525 KUMARAN, J. D. S. Effective use of artificial insemination. Indian Farming (n.s.)11(12):12-13,30. Mar. 1953. 22 In283
Cattle.

63526 LETZ, R. B. The Santa Gertrudis. Cattleman 39(12):19-22,112,114,116. May 1953. 49 C29

63527 LUTWAK-MANN, C., and ROWSON, L. E. A. The chemical composition of the pre-sperm fraction of bull ejaculate obtained by electrical stimulation. J. Agr. Sci. 43:131-145. Ref. Apr.1953. 10 J822

63528 MCCARTHY, D. Herefords—Herefords everywhere; breed's overwhelming predominance based on performance and profitability. Amer. Hereford J. 44:34, 146. May 1,1953. 43.8 Am32

63529 MADILL, J. W. Circumcision of Brahma bulls. Vet. Med. 48:202. May 1953. 41.8 M69

63530 MAINARDI, B. Life in the open for grade bulls. (In Italian.) Humus 2:32. Feb.1953. 16 H88

63531 MAIOCCO, F. Is it really necessary to return to the bull—so-called "coscia"—for production of beef steers in the Piedmont Region? (In Italian.) Alessandria. Cam. di Com. Indus. e Agr. Rass. Econ. 6(6):3-5. June 1952. 287 AL24

63532 MANN, D. H. Scotch blood for Hereford veins. Idaho Farmer 71:387. May 7,1953. 6 G282

63533 MANN, R. It's dark in the West; Aberdeen-Angus cattle are gaining rapidly on the Pacific Coast with a big demand for commercials. Pacific Stockman 19(5): 31,35. May 1953. 286.85 W52

63534 MICHEL, L. La race Maine-Anjou. Elites (n.s.)45:27-28. Feb.1953. 14 EL4

63535 MUKHERJEE, D. P., and BHATTACHARYA, P. Seasonal variations in semen quality, and haemoglobin and cell volume contents of the blood in bulls. Indian J. Vet. Sci. & Anim. Husb. 22:73-91. Ref. June 1952,pub. 1953. 41.8 In22

63536 NAKAYAMA, S. Historical studies on the "Misima-Usi" (Misima cattle). (In Japanese.) Yamaguti U. Facul. Agr. B. 3:175-190. 1952. 107.6 Y14
English summary.

63537 NELSON, R. H. Breeding good beef cattle. Mich. Farmer 219:534-535. May 16,1953. 6 M58

63538 NICHOLAS, G. W. Where grade cows yield as well as purebreds; outstanding production record of north-eastern Cape farmer's unregistered Friesland herd. Farmer's Wk. [Bloemfontein] 85:14-15,17. Apr. 29,1953. 24 F225

63539 ODA, R. Biometrical studies on the face type of the "Misima-Usi" with special reference to that of the "Kuroge-Wasyu." (In Japanese.) Yamaguti U. Facul. Agr. B. 3:191-196. 1952. 107.6 Y14
English summary.

63540 PAOLIS, P. DE. Biometrical investigations on the Agerolese cattle breed population. (In Italian.) Zootec. e Vet. 8:45-50. Feb.1953. 41.8 Z7
English summary.

63541 PETERS, H. F. The cattalo experiment. Canad. Soc. Anim. Prod. Proc. 1952:66-72. 49.9 Ea72

63542 PRABHU, S. S., and GUHA, S. Effect of muscular exercise on [bovine] semen production. Indian J. Vet. Sci. & Anim. Husb. 22:93-107. June 1952,pub.1953. 41.8 In22

63543 RENWALD, R. T. What about dark noses? Milking Shorthorn J. 34(5):30-31,36-38. May 1953. 43.8 M59

63544 RIPPIN, A. C. Lincoln Red Shorthorns. Farmer [Shaftesbury] 8:22-24. Spring 1953. 10 F2282

63545 ROOK, A. The precipitin test as a means of identification of seminal fluid from different bulls. (In Italian.) Zooprofilassi 8:89-93. Mar.1953. 41.8 Z72
English summary.

63546 SCHAEFER, W. F. How reliable are proven sires? Your Farm 12(5):44-48. May 1953. 6 Y8
Cattle.

63547 SCHINDLER, I., and VOLCANI, R. Conception rates of cows inseminated at various stages of heat. (In Hebrew.) Hassadeh 33:305-306. Feb./Mar.1953. 26 H27

63548 SCHMIDT, K., and KROLL, H. Versuche zur konservierung von bullensperma. I. Versuche in vitro mit verschiedenen zusätzen. Monatsh. f. Vetmed. 8:116-124. Ref. Mar.15,1953. 41.8 M742

63549 SCHNEIDER, V. How to build a 600-pound herd. Successful Farming 51(6):34-35,74,76-77. June 1953. 6 Su12

63550 SCHUTTER, J. N. A 40-year pedigree of the females of a Dutch Friesian family in Drenthe. (In Dutch.) Stamboeker 35:58. Apr.23,1953. 43.8 V58

63551 SCROGGS, C. L. Breeding co-ops better Southeast dairy herds. News Farmer Coop. 20(3):8-10. June 1953. 166.2 N47

63552 SEIT, B. Provisional investigations on diluters for bull semen useable in Indonesia. Hemera Zoa 60:19-26. Jan./Feb.1953. 41.8 V51

63553 SHONKWILER, O. Can you use dairy cross-breds? Farmer [St. Paul] Gen. Ed. 71(10):9,18. May 16, 1953. 6 F2211

63554 SHORTHORN SOCIETY OF THE UNITED KINGDOM OF GREAT BRITAIN & IRELAND. Grading register of non-pedigree cattle of Shorthorn type, volume 34, 1951. London,1953. 534 p. 43.9 Sh8G

63555 SØNDERGAARD, A. R. Artificial insemination stations. II. (In Danish.) Dansk Landbr. 72:214-215. Apr.23,1953. 280.28 V91
For cattle.

63556 SØNDERGAARD, A. R. The progeny testing stations. (In Danish.) Dansk Landbr. 72:194-195. (Cont.) Apr.16,1953. 280.28 V91
Cattle.

63557 SPIERLING. Der besamungsbulle. Monatsh. f. Vetmed. 8:92-96. Mar.1,1953. 41.8 M742

63558 STOUTENBOROUGH, R. E. Changing markets to give Milking Shorthorns greater profit edge. Milking Shorthorn J. 34(5):2-3. May 1953. 43.8 M59

63559 TAJIB, R. Comparison of the weight of Madura cattle alive and slaughtered. (In Indonesian.) Hemera Zoa 60:3-18. Jan./Feb.1953. 41.8 V51
English summary.

63560 TILREM, H. Cattle breeding in the Röros area during 50 years. (In Norwegian.) Landbrukstidende 59:248-251,269-272,293-297,311-314. Apr.1-22,1953. 11 L236

63561 TORRENS PASTOR, A. Las paradas de sementales bovinos. Balearic Isl. Diputación Prov. B. de Agr. 101:10-13. Feb.1953. 15 B19

63562 TORRES, A. B. Appreciation of the value of bulls of the dairy breeds. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:325-344. Oct./Dec.1952. 9.2 R325

63563 TORRES RONCEROS, J. Inseminación artificial en las haciendas de El Salitre y Timana. Holstein Colomb. 6(45):20-23. Nov./Dec.1952. 43.8 H744
Cattle.

63564 U. S. BUR. OF ANIMAL INDUSTRY. NC-1, improvement of beef cattle through breeding methods, report of annual meeting of NC-1 Technical Committee held at Stillwater, Oklahoma July 21, 22, 23, 1952. Lincoln,Nebr.,1952? 57 p. 1.972 A2R299

63565 WALTER, R. Die naturgegebenen grundlagen der tierzucht. Deut. Tierärztl. Wchnschr. 60:172-1742. Apr.15,1953. 41.8 D482
Cattle.

63566 WERNER, G. A college professor comments to farmers on this solids and fat problem. Ideas, Apr. 1953:8-9. 44.8 Id2
Milk production in relation to breeds of cattle.

63567 WILLEMS, A. E. R. Cattle raising in Belgian Congo and in Roeanda-Oeroendi. (In Flemish.) Vlaams Diergeneesk. Tijdschr. 22:49-63. (Cont.) Mar.1953. 41.8 V84
Breeds.

63568 WILSON, J. The history of Polled Herefords. Agrarian 12(2):5,30. Spring 1953. 276.8 Ag8

63569 WOELFFER, E. A. Breeding health—a complex problem. Hoard's Dairyman 98:466. May 10,1953. 44.8 H65
Cattle.

63570 WORKMAN, J. More milk through artificial breeding. Agrarian 12(2):14-15. Spring 1953. 276.8 Ag8

Feeds and Feeding

63571 AGRAWALA, I. P., and others. A quantitative study of rumen synthesis in the bovine on natural and purified rations. III. Riboflavin, pantothenic acid and niacin. J. Nutr. 49:631-638. Ref. Apr.10,1953. 389.8 J82
C. F. Huffman, R. W. Luecke, and C. W. Duncan, joint authors.

63572 AXELSSON, J. Salt requirements of cattle. (In Swedish.) Ladugarden 3:76-77. Mar.1953. 44.8 L12

63573 BARRENBRUGGE. Futterberechnungen im milchviehstall - einfach gemacht. Deut. Landwirt.-Gesell. Mitt. 18:426. Apr.30,1953. 18 N39

63574 BARTLEY, E. E., FOUNTAINE, F. C., and ATKESON, F. W. Antibiotics in dairy cattle nutrition. II. J. Dairy Sci. 36:402-408. Apr.1953. 44.8 J822

63575 BEESON, W. M. Formulating supplements for feeding cattle. Distillers Feed Conf. Proc. 8:74-82. 1953. 389.79 C765

63576 BONNAL, R. L'alimentation a la prairie. Agr. Creusoise 2(7):22-23. 1952? 14 Ag827
Dairy cattle.

63577 BONNEAU, A. Elever des veaux ou vendre du beurre? Agr. Creusoise 2(8):12-14. 1952? 14 Ag827
Use of milk.

63578 BONNEAU, A. Nos vaches laitières reçoivent-elles une alimentation convenable? Agr. Creusoise 2(6):12-14. 1952? 14 Ag827

63579 BREIREM, K. The scientific basis for the feed evaluation. II. (In Norwegian.) Tidsskr. f. det Norske Landbr. 60:25-52. Ref. Jan./Feb.1953. 11 T433
English summary.
Cattle.

63580 BURTON, G. W., and others. Winter grazing in the Georgia Coastal Plain. Ga. Coastal Plain Expt. Sta. B. 47,rev.,41 p. Aug.1952. 100 G292
J. L. Stephens, B. L. Southwell, and S. A. Parham, joint authors.
Cattle.

63581 CHANCE, C. M., and others. Antibiotics in rumen digestion and synthesis. II. The effect of aureomycin on the concentration of some amino acids and B vitamins in the rumen. J. Dairy Sci. 36:495-503. Ref. May 1953. 44.8 J822
C. W. Duncan, C. F. Huffman, and R. W. Luecke, joint authors.

63582 CRAMPTON, E. W. How much and what kind of meal for my cow? III. Canad. Jersey Breeder 8(4):8-9. Apr.1953. 43.8 C165

63583 DODSWORTH, T. L., and CAMPBELL, W. H. M Report on a further experiment to compare the fattening values, for beef cattle, of silage made from grass cut at different stages of growth, together with the results of some supplementary experiments. J. Agr. Sci. 43:166-177. Apr.1953. 10 J822

63584 ELY, R. E., and others. Studies on the composition of lignin isolated from orchard grass hay cut at four stages of maturity and from the corresponding feces. J. Dairy Sci. 36:346-355. Ref. Apr.1953. 44.8 J822
E. A. Kane, W. C. Jacobson, and L. A. Moore, joint authors.
Digestion studies with cattle.

63585 ELY, R. E., and others. A study of the crude fiber and nitrogen-free extract fractions of orchard grass hay and the digestibility of some of the constituents by milking cows. J. Dairy Sci. 36:334-345. Ref. Apr. 1953. 44.8 J822
E. A. Kane, W. C. Jacobson, and L. A. Moore, joint authors.

63586 FOGTMANN, H. P. The cows in May. (In Danish.) Jydsk Landbr. 35:301-302. May 7,1953. 11 J99
Feeding.

63587 FRASER, A. Research for plenty. 6. Nature's cattle. Gt. Brit. Min. Agr. Agriculture 60:10-14. Apr.1953. 10 G79J
Seasonal migration.

63588 GARDNER, K. E. For dairy calves a simplified starter. Pure Milk 27(5):7. May 1953. 280.28 P97

63589 GARRIGUS, W. P. Corn distillers dried grains with solubles as a supplement for fattening steers in drylot. Distillers Feed Conf. Proc. 8:10-13. 1953. 389.79 C765

63590 GROENEWALD, J. W., MYBURGH, S. J., and LOUW, J. G. Digestibility of lucerne hay with special reference to experimental technique in digestion trials. (Second report). Onderstepoort J. Vet. Res. 25(4):105-109. Dec.1952. 41.8 On1
Tests with steers.

63591 GROTHE, K. Einige gesichtspunkte zur fütterung der milchkühe. Deut. Landwirt. 4:215-216. Apr. 1953. 18 D4822
Russian Zone.

63592 GUARD, S. R. Get more meat & milk from your grass. Here's Purdue's new Supplement G and an improved Supplement A to fortify grass silage. Breeder's Gaz. 118(6):9,13. June 1953. 49 B74

63593 GULLICKSON, T. W. Calves die when vegetable oil or fat replaces butterfat in whole milk. Guernsey Breeders' J. [Peterborough] 88:17,43. May 1,1953. 43.8 G93

63594 HANSSON, A., and BRANNANG, E. Feeding intensity and growth. (In Swedish.) Försök och Forsk. 10:1-6. Jan.1953. 11 F77
Cattle.

63595 HARALDSSON, A. On livestock raising at Alboga in Ostergötland. (In Swedish.) Beten-Vallar-Mossar 5:27-28. Mar.1953. 11 B46
Chiefly on the feeding of dairy cattle.

63596 HART, D. Making the most of your hay. Holstein-Friesian J. 16(2):21,70. May 1953. 43.8 H743

63597 HILDÉN, E. Decrease in the fat content of milk as a result of faulty feeding. (In Swedish.) Finsk Boskap 6(2):3-4. Nov.1952. 43.8 F492

63598 HOFLUND, S. Dietetic observations on feeding of dairy cattle. (In Swedish.) Landbrukstidende 59:328-333. Apr.29,1953. 11 L236

63599 HOLLARD, M. G. Utilisation of pasture by dairy cows. Rur. Educ. B. 3:45-52. (Cont.) Apr.1953. 109 C162

63600 HOLMES, W. Self-sufficiency on the dairy farm, planning production. Scot. Agr. 32:211-216. Spring 1953. 10 Sco82So
Planning home-grown feed for the herd.

63601 JAWETZ, M. B. Does it pay to feed concentrates to dairy cows? Gt. Brit. Min. Agr. Agriculture 60: 56-61. May 1953. 10 G79J

63602 JOHNSON, R. F., RINEHART, E. F., and HICKMAN, C. W. Potato silage for beef steers. Idaho. Agr. Expt. Sta. B. 293,7 p. Mar.1953. 100 Id1

63603 JONES, J. L. All flesh is grass. Farmers Wk. [London] 38(18):55,57. May 1,1953. 10 F2226
Beef cattle raising in Great Britain.

63604 KANE, E. A., and others. A comparison of various digestion trial techniques with dairy cattle. J. Dairy Sci. 36:325-333. Ref. Apr.1953. 44.8 J822
R. E. Ely, W. C. Jacobson, and L. A. Moore, joint authors.

63605 KEITH, T. B. Figuring steer-fattening rations: how to calculate most efficient hay-concentrate ratios. Amer. Miller & Processor 82(5):54. May 1953. 298.8 Am32

63606 KLIPPLE, G. E. Weight gains made by range cattle while grazing summer ranges. U. S. Forest Serv. Rocky Mountain Forest & Range Expt. Sta. Res. Note 12, 2 p. Mar.1953. 1.9622 R2R313

63607 KNODT, C. B., and ROSS, E. B. Penicillin in milk replacements for dairy calves. Soc. Expt. Biol. & Med. Proc. 82:663-665. Ref. Apr.1953. 442.9 So1

63608 LASSITER, C. A., and others. Grain distillers dried solubles in a limited whole milk feeding program for calves. Distillers Feed Conf. Proc. 8:38-44. Ref. 1953. 389.79 C765
D. M. Seath, G. M. Bastin, and R. F. Elliott, joint authors.

63609 LOOSLI, J. K. Dairy cattle nutrition progress. Feed Bag 29(5):51-52. May 1953. 389.78 F32

63610 LOOSLI, J. K., and WARNER, R. G. Distillers feeds as protein supplements in concentrate mixtures for milking cows. Distillers Feed Conf. Proc. 8:33-37. 1953. 389.79 C765

63611 LYDON, R. 1898, 1913, 1924, 1934, 19?? The big problem is always feed. Calif. Cattleman, May 1953: 14. 43.8 C12
Beef cattle during dry spells in San Benito County.

63612 MCCULLOUGH, M. E. The use of indicator methods in measuring the contribution of two forages to the total ration of the dairy cow. J. Dairy Sci. 36: 445-449. Ref. May 1953. 44.8 J822

63613 MATTICK, J. F. Off flavors—cause and cure. Inter-State Milk Prod. Rev. 33(12):10. Apr.1953. 280.28 In83
Effects of feeding.

63614 MILLER, J. I., and MORRISON, F. B. Use of pasture for fattening steers; comparison of certain feeding and management methods. N. Y. (Cornell) Agr. Expt. Sta. B. 890,35 p. Mar.1953. 100 N48C

63615 NOLLER, C. H., and HUFFMAN, C. F. Preliminary calf feed report: replacing whole milk at an early age. Distillers Feed Conf. Proc. 8:45-50. 1953. 389.79 C765

63616 NORDFELDT, S. Winter feeding of dairy cows. (In Swedish.) Försök och Forsk. 9:81-83. Nov./Dec.1952. 11 F77

63617 ORCUTT, E. P. Minerals for Montana cattle and sheep. Mont. State Col. Ext. C. 246,8 p. Feb.1953. 275.29 M76Ci

63618 ORTH, A., and MOHR, F. Fütterungsversuche an jungrindern mit stark blausäure abspaltenden leinrückständen. Arch. f. Tierernähr. 3:31-39. Ref. July/Aug.1952. 389.78 Ar22

63619 PARISOD, V. Le règlement suisse de livraison du lait du 1er mai 1949 et l'affouragement des vaches laitières. Agenda de l'Agr. et du Vigneron 1953:322-323. 30.3 Ag33

63620 PARRISH, D. B., and others. Properties of the colostrum of the dairy cow. VIII. Digestibility of colostrum and milk by calves during the early postnatal days of life. J. Dairy Sci. 36:489-494. Ref. May 1953. 44.8 J822
E. E. Bartley, D. U. Burris, and R. T. McIntyre, joint authors.

63621 PAYNE, W. J. A. Calf feeding, the use of colostrum in replacing whole milk. Scot. Agr. 32:186-189. Spring 1953. 10 Sco82So

63622 PERRON, J. Les éleveurs doivent satisfaire pleinement les éxigences des taures. B. des Agr. 35(4): 14,85-86. Apr.1953. 7 B872
Dairy calves on pasture.

63623 PORTER, A. R. Dairy cows vary in roughage preferences. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:205-206. May 1953. 275.28 Io94

63624 PRATT, A. D., and MONROE, C. F. Expeller vs. solvent process linseed oil meal for milking cows. Ohio. Agr. Expt. Sta. Res. B. 731,18 p. Ref. Apr.1953. 100 Oh3S

63625 PROULX, J. R. De l'étable au pâturage. Ferme 14(8):36,41-42. Apr.1953. 7 F38
Dairy cattle.

63626 REISENBICHLER, K. Grünfütterung im stalle. Bauer 6(18):2-5. May 2,1953. 19 B32
Austria.

63627 RIGGS, J. K., COLBY, R. W., and SELLS, L. V. The effect of self-feeding salt-cottonseed meal mixtures to beef cows. J. Anim. Sci. 12:379-393. May 1953. 49 J82

63628 ROSE, C. J. Feeding trials with urea and molasses. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:29. 24 J59
Cattle.

63629 ROSE, C. J., and ALTONA, R. E. Fertilizing natural veld: Frankenwald, 1952. The effects on yield and composition of milk. U. Witwatersrand. Frankenwald Field Res. Sta. Annu. Rpt. 1952:22-28. 24 J59

63630 ROSENSTAND, T. Cows on pastures. (In Danish.) Dansk Landbr. 72:189-190. Apr.16,1953. 280.28 V91

63631 RUIZ MARTINEZ, C. Influencia del deficit mineral de la ración forrajera en la patologia animal. Agr. Venezol. 17(159):6-9. Jan./Feb.1953. 9.95 Ag8
Cattle.

63632 SEARLES, H. R., and others. Feeding the dairy herd. Minn. U. Agr. Ext. B. 218,rev.,55 p. June 1952. 275.29 M66S
R. W. Wayne, T. W. Gullickson, and R. D. Leighton, joint authors.

63633 SMIT, H. Farming without energy feeds. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:176-177. Apr.1953. 12 N383M
Dairy cattle feeding and milk production.

63634 SUAREZ NELSON, M. La alimentación del ternero sin su madre. Rev. Nac. de Agr. 47(576):25-27. Apr.1953. 9.4 R32

63635 THOMAS, O. O. Does creep-feeding pay? Mont. Stockgrower 25(5):76-77. May 5,1953. 49 M76
Calves.

63636 THOMAS, O. O., GALLUP, W. D., and WHITEHAIR, C. K. Effect of phosphorus deficiency on metabolism of carotene and vitamin A by beef cows. J. Anim. Sci. 12:372-378. Ref. May 1953. 49 J82

63637 VAITSMAN, J. The banana is forage. (In Portuguese.) Gado Holandês 17(193):22-24. Jan.1953. 43.8 G112
Feed for cattle and swine.

63638 WILLIAMS, C. M., and WOOD, A. J. The assessment of rate and efficiency of gain in beef cattle. Canad. Soc. Anim. Prod. Proc. 1952:49-53. 49.9 Ea72

63639 WOLFRUM, F. Uber einige futterbedingte veränderungen der milch. Deut. Landwirt. 4:210-213. Apr.1953. 18 D4822

Veterinary Medicine

63640 ÅBJÖRNSSON, B. Prevention of udder inflammation. (In Swedish.) Mjölkpropagandan 30:110. Apr. 1953. 44.8 M692

63641 ALEXANDER, G. I. An outbreak of bovine trichomoniasis in Queensland and its control. Austral. Vet. J. 29:61-66. Mar.1953. 41.8 Au72

63642 ARNOLD, M. W. A practitioner's approach to milk fever. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 130:60-64. Apr.17,1953. 41.9 P386

63643 ATUN, H. Immunity tests are carried out on guinea pigs and calves with black leg vaccines which contained calcium chloride and aluminium hydroxide. (In Turkish.) Türk Vet. Hekimleri Dernegi. Dergisi 23:459-477. Ref. Feb.1953. 41.9 R84
English summary.

63644 BAGDONAS, V., and OLSON, C. Observations on the epizootiology of cutaneous papillomatosis (warts) of cattle. Amer. Vet. Med. Assoc. J. 122:393-397. Ref. May 1953. 41.8 Am3

63645 BAREGGI, G. Bovine tuberculosis in the Lombardy Low Plains. (In Italian.) Prog. Vet. 8:174-176,178-179. Mar.1,1953. 41.8 P942

63646 BARRIERE, G. Torsion utérine précervicale chez la vache. Rec. de Méd. Vét. 128:619-621. Oct.1952. 41.8 R24

63647 BAUER, T. Ein beitrag zur diagnose der fremdkörpererkrankung des rindes. Deut. Tierärztl. Wchnschr. 60:189-191. Ref. May 1,1953. 41.8 D482

63648 BENDTSEN, H. Abortus-bang-ringprøven med vitalfarvet antigen [The Abortus-Bang-ring test with vital stained antigen]. Denmark. Stat. Vet. Serumlab. Meddel. 291,95 p. Ref. 1952. 448.9 D41
English summary.

63649 BERTHELON, M., and TOURNUT, J. Un cas sporadique de trichomonose bovine. Rev. de Méd. Vét. [Toulouse] 103:385-389. July 1952. 41.8 R32

63650 BERTHELON, M. Moyens thérapeutiques actuels pour réaliser l'antisepsie de la mamelle, chez la vache. Rev. de Méd. Vét. [Toulouse] 103:467-495. Ref. Aug./Sept.1952. 41.8 R32

63651 BERTOGLIATTI, L. Retained placenta in the left uterine horn in a cow. (In Italian.) Prog. Vet. 8:216. Mar.15,1953. 41.8 P942

63652 BLUBAUGH, G. M., and BURCH, G. R. Salt poisoning in feeder cattle. Vet. Med. 48:253. June 1953. 41.8 M69

63653 BOLKEN, A. Tuberkulosetilgung in der praxis. Deut. Landwirt.-Gesell. Mitt. 68:376-378. Apr.16,1953. 18 N39
In cattle.

63654 BOSGRA, O., and RAADSHOVEN, F. H. VAN. Report on a trip to the U.S.A. to study the control of brucellosis and mastitis of cattle. (In Dutch.) Tijdschr. v. Diergeneesk. 78:329-354. Apr.15,1953. 41.8 T431
English summary.

63655 BOYD, W. L. Diseases of cattle in which abortion is a common symptom. Vet. Med. 48:215-217. June 1953. 41.8 M69

63656 BROCK, W. E., PEARSON, C. C., and KLIEWER, I. O. Daily minimal dosage of phenothiazine in control of nematode infections in cattle. Amer. Vet. Med. Assoc. Proc. 89:167-171. 1952,pub.1953. 41.9 Un3

63657 BROWN, D. C., READ, J., and WILLARD, H. S. Slacked lime as a preventive of scours for whey-fed calves. J. Dairy Sci. 36:319-324. Ref. Apr.1953. 44.8 J822

63658 BURDIN, M. L. Examination of three new trypanocidal phenanthridinium compounds for evidence of delayed toxicity. Vet. Rec. 65:241-244. Apr.18,1953. 41.8 V641
Cattle.

63659 CAPORALI, G., and LUNARDINI, M. Poisoning from Brassica napus (rape) in a group of cattle. (In Italian.) Croce Azzurra 4:80-87. Mar./Apr.1953. 41.8 C87

63660 COSTA, M. P. R. Verminosis in cattle. (In Portuguese.) Gaz. do Agr. 5:38-40. (Cont.) Feb.1953. 24 G25

63661 CURSCHELLAS, M. Euterkrankheiten und milchfehler. Schweiz. Milchztg. 79:228. Apr.28,1953. 44.8 Sch92

63662 DEBOURG, L. Observations on the control of brucellosis. (In Flemish.) Vlaams Diergeneesk. Tijdschr 22:64-71. Ref. (Cont.) Mar.1953. 41.8 V84
English summary.
Vaccination.

63663 DJAENOEDIN, R., and UTOJO, R. P. Demodicidosis in cattle. (In Indonesian.) Hemera Zoa 60: 39-40. Jan./Feb.1953. 41.8 V51

63664 DROMEY, L. Ascariasis in cattle. Irish Vet. J. 7:55-56. Mar.1953. 41.8 Ir4

63665 DURBIN, C. G. Bovine venereal trichomoniasis; its diagnosis and treatment. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 130:55-59. Apr.17,1953. 41.9 P386

63666 ELAM, F. L. Mastitis, twenty ways to control it. Sacramento Val. Rancher 7(4):9,20,22,27. Apr.1953. 6 Sa12

63667 ELY, R. E., and others. The effect of methionine on the tissue distribution of radioactive cobalt injected intravenously into dairy calves. J. Anim. Sci. 12: 394-401. Ref. May 1953. 49 J82
K. M. Dunn, C. F. Huffman, C. L. Comar, and G. K. Davis, joint authors.

63668 ENDRES, P. Das blutharnen der rinder—neue wege der bekämpfung. Kärntner Bauer 103:198-199. May 1,1953. 19 K14

63669 ERDHEIM, M. Three cases of lymphosarcoma. No. Amer. Vet. 34:328-329. May 1953. 41.8 N812
Cattle.

63670 EVELETH, D. F., and HOLM, G. C. Feed toxicity similar to that caused by trichloroethylene extracted soybean oil meal. Amer. Vet. Med. Assoc. J. 122:377-378. May 1953. 41.8 Am3

63671 FEY, H. Unsere erfahrungen mit dem CAMP-test zur differenzierung von Streptococcus agalactiae. Schweiz. Arch. f. Tierheilk. 95:247-254. Ref. Apr.1953. 41.8 Sch9
English summary.

63672 FINCHER, M. G. Current problems in cattle practice, including mastitis. Canad. J. Compar. Med. 17:193-205. Ref. Apr.1953. 41.8 C162

63673 FINCHER, M. G. Diseases of calves. Sowest. Vet. 6:246-249. Spring 1953. 41.8 So82
Septicemia, pneumonia, and white muscle disease.

63674 FLORIO, R. Au sujet du délai en matière de tuberculose bovine. Rev. de Méd. Vét. [Toulouse] 103: 409-411. July 1952. 41.8 R32

63675 FONTANELLI, E. On the persistence of specific agglutinins in the serum of calves treated with Strain 19 for prevention of Bang's disease. (In Italian.) Zooprofilassi 8:94,97. Mar.1953. 41.8 Z72

63676 GARCIA CARLOS, S. Elección de la buena vaca lechera. Inst. Agr. Catalán de San Isidro. Rev. 102:52-55. Mar.1953. 15 Sa5
Conformation.

63677 GARNER, R. J., and UNSWORTH, K. Seasonal variations in the blood picture of Nigerian cattle. Vet. Rec. 65:228-231. Ref. Apr.11,1953. 41.8 V641

63678 GAUDLITZ, K. Beobachtungen über die wirkung von cardiazol-tabletten zu 1, 0 g bei MKS, mit besonderer berücksichtigung der verhütung von spätschaden. Tierärztl. Umschau 8:133. Apr.1953. 41.8 T445

63679 GENNARI, G. Abortion in cattle. (In Italian.) Avvenire Agr. 61:95-96. Apr.1953. 16 Av9

63680 GOCHENOUR, W. S., and YAGER, R. H. Manifestations of bovine leptospiroses. Vet. Med. 48: 218-220,243. Ref. June 1953. 41.8 M69

63681 GRASHUIS, J. Les symptomes d'une alimentation minérale défectueuse. Rev. de l'Elevage 8:398-401. May 1953. 49 B462
Cattle.

63682 GROOTENHUIS, G. A bull that tore his nose open with his ring. (In Dutch.) Tijdschr. v. Diergeneesk. 78:398-399. May 1,1953. 41.8 T431
English summary.

63683 HALLER, C. A veterinarian looks at mastitis. Amer. Agr. 150:289,306. May 2,1953. 6 Am3

63684 HAMP, E. Untersuchungen über die entstehungszeit der sogenannten chronischen lobulär infiltrierenden eutertuberkulose. Giessen,1952. 39 p. Ref. 41.2 H184
Inaug.-Diss. -Justus Liebig-Hochschule, Giessen.
Cattle.

63685 HANCOCK, B. B., EDDS, G. T., and BROMELKAMP, E. T. Control and treatment of mastitis. Iowa Vet. 24(3):20,22,25-26,30. Ref. May/June 1953. 41.8 Io9
Cattle.

63686 HARWOOD, P. M. A. Poisoning in dairy cattle by chemicals in common use. Vet. Rec. 65:291-292. May 9,1953. 41.8 V641
Sodium chlorate and sodium fluoride.

63687 HAUGARD, H. H. Hormones [Oxytocin] and your milk check. Milking Shorthorn J. 34(5):26-27. May 1953. 43.8 M59

63688 HILDEN, E. On the so-called acetonemia of dairy cattle. (In Swedish.) Finsk Boskap 7(1):6-7. Apr. 1953. 43.8 F492

63689 HOEDEN, J. VAN DER, HALEVY, C., and DAFNI, I. Leptospirosis in cattle in Israel. J. Compar. Path. & Ther. 63:93-100. Ref. Apr.1953. 41.8 J82

63690 HOFLUND, S. Danger of parasites for livestock on pastures. (In Swedish.) Beten-Vallar-Mossar 5:17-20. Mar.1953. 11 B46
Cattle and sheep.

63691 INNES, A. G. An enrichment broth and differential medium for the isolation of mastitis organisms from the milk of distant herds. J. Compar. Path. & Ther. 63:136-142. Ref. Apr.1953. 41.8 J82

63692 JARRETT, W. F. H. Sulphonamide poisoning, with a report of a case in a calf. Veteran 5:8-11. Spring 1953. 41.8 V6493

63693 JONES, J. H., and others. Urinary calculi in fattening steers, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1570,5 p. Apr.6,1953. 100 T31P
F. E. Keating, N. R. Ellis, and H. R. Crookshank, joint authors.
Feeding tests.

63694 KARNAUSKAS, K. La gastritis traumática. Soc. Antioqueña de Agr. B. Agr. 395:3916-3919. Mar. 1953. 9.4 So1
Cattle.

63695 KAY, H. D. Recent work on udder function. U. Col. Wales. Agr. Soc. J. 33:5-10. 1952. 10 Un3

63696 KEMPER, H. E., and PETERSON, H. O. Cattle scab and methods of control and eradication. U. S. D. A. Farmers' B. 1017,rev.,26 p. Mar.1953. 1 Ag84F
Revision of former editions by M. Imes.
Includes dipping.

63697 KIBLER, H. H., and BRODY, S. Environmental physiology with special reference to domestic animals. XIX. Relative efficiency of surface evaporative, respiratory evaporative and non-evaporative cooling in relation to heat production in Jersey, Holstein, Brown Swiss and Brahman cattle, 5° to 105° F. Mo. Agr. Expt. Sta. Res. B. 497,31 p. June 1952. 100 M693

63698 KIRSCH, W. Grastetanie bei milchkühen in Schleswig-Holstein 1951 und 1952. Futter u. Fütterung 29:219-221. (Cont.) Apr.1953. 389.78 F98

63699 KLIEMANN, H. Intrauterine behandlung von endometritiden des rindes mit Amino-Weidnerit sowie untersuchungen des rhodangehaltes ohne und nach oraler applikation von Othromin im vaginalschleim, blut und in der milch des rindes. Monatsh. f. Vetmed. 8:89-90. Mar.1,1953. 41.8 M742

63700 KLINGLER, K. Uber die gemsblindheit und ihre beziehungen zur konjunktivo-keratitis infectiosa und zur brucellose der rinder und schafe. Schweiz. Arch. f. Tierheilk. 95:201-228. Ref. Apr.1953. 41.8 Sch9
English summary.

63701 KLUSSENDORF, R. C. Leukemic lymphoblastoma. No. Amer. Vet. 34:327. May 1953. 41.8 N812
Cattle.

63702 KRÜGER, W. Lebt der Streptococcus agalactiae in den schweissdrüsen der hand? Deut. Tierärztl. Wchnschr. 60:193-196. Ref. May 1,1953. 41.8 D482
In relation to milk sanitation.

63703 KRUGER, W. Statistische untersuchungen über den gelben galt des rindes. 3. Kieler Milchwirt. Forschber. 5:151-162. Ref. 1953. 44.9 K542
English summary.

63704 KUTTLER, A. K. Progress report on brucellosis eradication. Washington,U. S. Bur. Anim. Indus.,1953. 5 p. 1.972 A2K96
Presented at the National Brucellosis Committee annual meeting, Chicago, May 14, 1953.

63705 LABATUT, R., and others. La lutte contre la tuberculose bovine dans les Landes. Rev. de Méd. Vét. [Toulouse] 103:412-424. Ref. July 1952. 41.8 R32
Cauquelin, Chimits, Daugreilh, Dauriac, Dutilh, R. Faget Puyou, Soule, and Vettes, joint authors.

63706 LARSON, M. C. Practical bovine surgery. Iowa Vet. 24(3):9-13,28,30. May/June 1953. 41.8 Io9

63707 LEECH, F. B., and BAILEY, G. L. The effect on the health of lactating cows of treatment with galactopoietic doses of thyroxine or iodinated casein. J. Agr. Sci. 43:236-251. Ref. Apr.1953. 10 J822

63708 LESBOUYRIES, G., and LAGNEAU, F. Tuberculose du testicule, de ses enveloppes et du canal déférent chez le taureau. Rec. de Méd. Vét. 128:597-607, 609-616. Ref. Oct.1952. 41.8 R24

63709 LEWIS, R. C., and RALSTON, N. P. Changes in the plasma level of protein-bound iodine in the young calf. J. Dairy Sci. 36:363-367. Apr.1953. 44.8 J822

63710 LINDTNER, H. Tbc-bekämpfung. Bauer 6(16): 3-4. Apr.18,1953. 19 B32
Cattle in Austria.

63711 LINK, R. P. Bovine hyperkeratosis. Feedstuffs 25(19):62,64,66. Ref. May 9,1953. 286.81 F322

63712 LOBSTEIN, H. E. Trace minerals and bovine brucellosis. Sowest. Crop & Stock 7(5):43,58. May 1953. 6 So8942

63713 LUCAS MORAN, B. La lucha contra la brucelosis y la vacunación de las terneras. Res 20: 27433-27434. Oct.5,1952. 286.85 R31

63714 MANN, D. Can we drive out brucellosis? Here is what one county is doing toward finding the answer. Kans. Farmer 90(8):4,40. Apr.18,1953. 6 K13
Clay County, Kansas.

63715 MANTOVANI, G., and VACIRCA, G. Contribution to the treatment of bovine mastitis from Corynebacterium pyogenes. (In Italian.) Prog. Vet. 8:248,250. Apr.1,1953. 41.8 P942

63716 MARCENAC. Ecornage des bovins; pratique actuelle, intérêt, inconvénients. Acad. d'Agr. de France. Compt. Rend. 39:242-246. Feb.25/Mar.4,1953. 14 P215Bc
Includes discussion.

63717 MARICZ, M. L'hématurie essentielle au Congo Belge. Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 2:5-20. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb.1953. 24 K83
In cattle.

63718 MARSH, H. Several causes of abortion, or slinking of calves. Mont. Stockgrower 25(5):17-18. May 5,1953. 49 M76

63719 MERKT, H. Prüfung des präparates "Utilin" auf seine wirksamkeit gegenüber der rindertuberkulose. Deut. Tierärztl. Wchnschr. 60:146-147. Apr.1,1953. 41.8 D482

63720 MILLER, J. G., and others. A method of screening drugs to be used in the treatment of anaplasmosis—results of testing with aureomycin and terramycin. Amer. Vet. Med. Assoc. Proc. 89:160-167. 1952,pub.1953. 41.9 Un3
H. E. Levy, B. J. Torbert, and W. T. Oglesby, joint authors.

63721 MILLER, J. G., and others. The treatment of anaplasmosis in Louisiana with aureomycin and terramycin. Amer. Vet. Med. Assoc. J. 122:390-392. May 1953. 41.8 Am3
H. E. Levy, B. J. Torbert, and W. T. Oglesby, joint authors.

63722 MITSCHERLICH, E. Die ursache positiver tuberkulinreaktionen bei rindern mit grobsinnlich tuberkulosefreiem zerlegungsbefund. Berlin. u. Munch. Tierärztl. Wchnschr. 66:105-108. Ref. Apr.1,1953. 41.8 B45
English summary.

63723 MOCHRIE, R. D., and others. Effects of vacuum level and milking duration on udder health in mastitis-free first calf heifers. J. Dairy Sci. 36:504-515. Ref. May 1953. 44.8 J822
H. H. Hale, H. D. Eaton, F. I. Elliott, W. N. Plastridge, and G. Beall, joint authors.

63724 MONLUX, W., and others. Progressive pulmonary adenomatosis in cattle. Sowest. Vet. 6:267-269. Spring 1953. 41.8 So82
J. Fitte, G. Kendrick, and H. Dubuisson, joint authors. From moldy feed.

63725 MOUTAUX, M. Pathogénie des oedèmes gazeux. Rec. de Méd. Vét. 128:706. Nov.1952. 41.8 R24
Case of a cow.

63726 MULLER, H. Die fremdkörpererkrankung des rindes und ihre behandlung. Monatsh. f. Tierheilk. 5:61-79. (Cont.) Ref. 1953. 41.8 M74

63727 MURNANE, D. Studies on bovine mastitis: the influence of milking-shed hygiene on the spread of infection by Streptococcus agalactiae. Austral. Vet. J. 29:70-72. Mar.1953. 41.8 Au72

63728 NICHOLSON, A. H. The road to attestation. Farmer & Stock-Breeder 67(3313):47,49. Apr.21,1953. 10 F228
Tuberculin testing dairy cattle in Great Britain.

63729 NICKEL, S., and SOSSDORF, F. Eine leberegelbekämpfungsmassnahme in Spondershagen 1952. Monatsh. f. Vetmed. 8:96-98. Mar.1,1953. 41.8 M742
Cattle.

63730 NIEPAGE, H. Hämatologische befunde bei puerperalem leberkoma des rindes. Monatsh. f. Vetmed. 8:90-92. Mar.1,1953. 41.8 M742

63731 NORDBERG, B. K., and SCHJERNING-THIESEN, K. The presence of foot-and-mouth disease antibodies in hyperimmune serum and convalescent serum demonstrated by the complement fixation method. Nord. Vetmed. 5:289-295. Apr.1953. 41.8 N813
Cattle.

63732 PACHECO, G. Concerning brucellosis prevention. (In Portuguese.) Brasil-Med. 67:12-13. Jan. 3/10,1953. 448.8 B73
Immunization of cattle.

63733 PEEL, C. Apparent acquired immunity to Cysticercus bovis in certain age groups of the N'Dama cattle of Sierra Leone. Vet. Rec. 65:244-247. Ref. Apr.18, 1953. 41.8 V641

63734 PELLEGRINI, D. Some observations on bovine schistosomiasis in Somaliland and the presence of Bulinus abyssinicus in the region of the Lower Juba. (In Italian.) Riv. di Parassitol. 14:15-17. Jan.1953. 436.8 R52
English summary.

63735 PIGOURY, L. Traitement de la polyarthrite du veau par la didromycine. Rec. de Méd. Vét. 128:704-705. Nov.1952. 41.8 R24

63736 PINGUET, M. Vaccination et hémoprévention. Agr. Creusoise 2(7):10-11. 1952? 14 Ag827
For foot-and-mouth disease of cattle in France.

63737 POLSON, A. Comparative electrophoretic studies of bovine and human colostrum in relation to neo-natal immunity. Onderstepoort J. Vet. Res. 25(4):7-12. Dec.1952. 41.8 On1

63738 PRIOUZEAU, M. Lipomes enrobant des reins (foetus bovin de 8 mois). Acad. Vét. de France. B. 26: 149-152. Feb.1953. 41.9 R24

63739 PRIOUZEAU, M. Mal vertébral des bovidés. Rec. de Méd. Vét. 128:683-703. Nov.1952. 41.8 R24

63740 RAKER, C. A patent urachus and umbilical hernia in a cow. Amer. Vet. Med. Assoc. J. 122:370-371. May 1953. 41.8 Am3

63741 RAKER, C. W. A case report of lead poisoning in calves. Pa. U. Sch. Vet. Med. Vet. Ext. Q. 130:65-68. Apr.17,1953. 41.9 P386

63742 RAM, T. Geographical distribution and seasonal incidence of main contagious diseases among bovines in the Punjab from 1944-45 to 1949-50. Indian J. Vet. Sci. & Anim. Husb. 22:135-142. June 1952,pub.1953. 41.8 In22

63743 REID, J. Foot-and-mouth disease. Gt. Brit. Min. Agr. Agriculture 60:75-79. May 1953. 10 G79J
Cattle.

63744 RILEY, W. F. Dairy cattle practice problems. Sowest. Vet. 6:229-233. Spring 1953. 41.8 So82

63745 ROLDAN, R. R. Uso del dipropionato de dietilestilbestrol en la patologia de la reproducción de la vaca. Agron. y Vet. 2(18):13-16,24. Ref. (Concl.) Dec.1952. 9 Ag882

63746 ROSSI, R. P. Should castration of calves be condemned to oblivion. (In Italian.) Colt. e Gior. Vinic. Ital. 99:99-100. Mar.1953. 16 C72

63747 SAFFORD, J. W., and SWINGLE, K. F. Experimental white muscle in calves. Mont. Stockgrower 25(5):68-69. May 5,1953. 49 M76

63748 SANGAT. An outbreak of aphthous fever in cattle in Lembang (Bandung) during 1952. (In Indonesian.) Hemera Zoa 60:27-37. Jan./Feb.1953. 41.8 V51
English summary.

63749 SCHAETZ, F., and RIECK, G. W. Beitrag zur methodik der embryotomie beim rind. Tierärztl. Umschau 8:113-117. Apr.1953. 41.8 T445

63750 SCHALM, O. W., and WOODS, G. M. The mastitis complex. (Abs.) Pa. U. Sch. Vet. Med. Vet. Ext. Q. 130:53-54. Apr.17,1953. 41.9 P386
Cattle.

63751 SCHAUMANN, W. Uber die eignung der fluoreszenzmikroskopie (flm.) zum nachweis des erregers der rindertuberkulose in milch- und anderen sekretproben Rindertuberkulose 2(3):47-52. Ref. In Monatsh. f. Tierheilk. 5(3). 1953. 41.8 M74

63752 SCHIPPER, I. A. Don't gamble with mastitis. Minn. U. Agr. Ext. Folder 175,8 p. Apr.1953. 275.29 M66Ex

63753 SEEKLES, L. Control of grass tetany. (In Dutch.) Tijdschr. v. Diergeneesk. 78:404-408. May 1, 1953. 41.8 T431

63754 SEELEMANN, M. 12 jahre Abortus-Bang-bekämpfung. Monatsh. f. Vetmed. 8:133-139. Apr.1,1953. 41.8 M742

63755 SEELEMANN, M., and RACKOW, H. G. Uber die reaktionsstärke verschiedener tuberkuline beim rinde. Rindertuberkulose 2(3):37-46. In Monatsh. f. Tierheilk. 5(3). 1953. 41.8 M74

63756 SELLERS, K. C., and SINCLAIR, W. B. V. A case of Salmonella typhi-murium infection in cattle and its isolation from other sources. Vet. Rec. 65:233-234. Apr.11,1953. 41.8 V641

63757 SIMPSON, C. F., and SANDERS, D. A. Diagnosis of the carrier stage of anaplasmosis under experimental conditions. Vet. Med. 48:182-184. May 1953. 41.8 M69

63758 SIMPSON, C. F. A technic for the collection and transfusion of blood in cattle. Vet. Med. 48:202-203. May 1953. 41.8 M69

63759 SLANETZ, L. W., and BARTLEY, C. H. The diagnosis of staphylococcal mastitis, with special reference to the characteristics of mastitis staphylococci. J. Infect. Dis. 92:139-151. Ref. Mar./Apr.1953. 448.8 J821

63760 SOLIMAN, K. N. Studies on the relationship of lungworm infestation in cattle and their liver vitamin A reserves. Brit. Vet. J. 109:148-154. Ref. Apr.1953. 41.8 V643

63761 SPURRELL, F. A., and KERNKAMP, H. C. H. Radiological localization in diagnosis of foreign bodies in cattle. Amer. Vet. Med. Assoc. Proc. 89:79-84. Ref. 1952,pub.1953. 41.9 Un3

63762 STEARNS, T. J. Fescue foot or ergot-like disease in cattle in Kentucky. Amer. Vet. Med. Assoc. J. 122:388-389. May 1953. 41.8 Am3

63763 STEELE-BODGER, A. Bovine mastitis due to yeasts. Vet. Rec. 65:304. May 16,1953. 41.8 V641

63764 STUTE, W. Mineralstoffmangel-krankheiten bei rindern und ihre behandlung mit vitakalk. Deut. Tierärztl. Wchnschr. 60:155-156. Apr.1,1953. 41.8 D482

63765 SUAREZ NELSON, M. Mal de los avenales (hipocalcemia). Uruguay. Min. de Ganad. y Agr. B. Inform. 10(457):13-14. Mar.12,1953. 9.9 G15B

63766 SUTHERLAND, A. K., SIMMONDS, G. C., and BELL, A. T. An outbreak of bovine trichomoniasis. 2. Diagnosis. Austral. Vet. J. 29:67-69. Mar.1953. 41.8 Au72

63767 SWANSON, E. W. Dairying with duplicates provides answers. Tenn. Farm & Home Sci. [Tenn. Sta.] 5:5,9. Jan./Mar.1953. 100 T25F
A herd of twin dairy heifers.

63768 THIBAULT, O., and DELCROIX, M. Indigestion de la caillette chez une vache. Rec. de Méd. Vét. 129:224-225. Apr.1953. 41.8 R24

63769 THORPE, B. R. The hump of a Zebu. Austral. Vet. J. 29:79-81. Mar.1953. 41.8 Au72

63770 TIETZE, A. L. Anthrax immunization of cattle in Kern County, California. Vet. Med. 48:221-223. June 1953. 41.8 M69

63771 TOLNER, J. Grass tetany in cattle. (In Dutch.) Nieuwe Veldbode 19:642-643. May 7,1953. 12 V542N

63772 TORRENT MOLLEVI, M. El problema de la tuberculosis en la clinica bovina. Lérida Ganad. (ser.3) 139:89-103,120-131. (Concl.) May-June 1952. 41.8 L56

63773 TRAMPLER, J. Ist ein durch euterentzündung zum versiegen gebrachtes euterviertel als verloren zu betrachten? Österr. Milchwirt. 8:104. Apr.21,1953. 44.8 Os72

63774 TREMAZI, S. A. Mineral metabolism in growing calves. II. Pakistan J. Sci. Res. 4:77-82. Ref. In Pakistan J. Sci. 4(3). July 1952. 475 P172

63775 TUBBS, C. R. Diaphragmatic hernia in two cows. Amer. Vet. Med. Assoc. J. 122:371-372. May 1953. 41.8 Am3

63776 TURNER, C. W. The inside of the cow's udder. Brown Swiss B. 31(10):11-13,67. May 1953. 43.8 B81

63777 VILDIBILL, H. The disease called X. Agrarian 12(2):26. Spring 1953. 276.8 Ag8
In cattle.

63778 VILLENEUVE, P. Après un long hivernement, les animaux sont épuisés. B. des Agr. 35(4):114-115. Apr.1953. 7 B872
Possible diseases of dairy cattle and swine.

63779 VISEK, W. J., and others. Calcium metabolism in dairy cows as studied with Ca^{45}. J. Dairy Sci. 36:373-384. Ref. Apr.1953. 44.8 J822
R. A. Monroe, E. W. Swanson, and C. L. Comar, joint authors.

63780 WESTHUES, M., and RIEGER, H. Über den schmerz und die Headsche zone bei der fremdkörpererkrankung des rindes. Berlin. u. Munch. Tierärztl. Wchnschr. 66:101-105. Ref. Apr.1,1953. 41.8 B45
English summary.

63781 WILLETT, E. L., BUCKNER, P. J., and LARSON, G. L. Three successful transplantations of fertilized bovine eggs. J. Dairy Sci. 36:520-523. Ref. May 1953. 44.8 J822

63782 WILLMANN. Euterbau und milchbildung. Bauern-Ztg. 6(13):9,14. Apr.3,1953. 18 B324

63783 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. What we know about bloat in cattle and sheep. Wis. Agr. Col. Ext. C. 446,4 p. Apr.1953. 275.29 W75C

63784 WOLDMAR, G. Närke's cows are smaller than supposed. (In Swedish.) Ladugården 3:78-79. Mar. 1953. 44.8 L12

63785 YOUNG, A. V. Cesarean section in the cow. Vet. Med. 48:228-230. June 1953. 41.8 M69

Miscellaneous

63786 AKMAR, E. A. Nötboskapen, väsentligen de hornlösa, bos akeratos kullorna; kulturhistorisk framställning [Cattle, especially the hornless - Bos akeratos polled cattle; cultural historical sketch]. Uppsala,Wretmans, 1952. 95 p. 43 Ak5

63787 AREY, J. A., and KIMREY, A. C. Raise 'em right. N. C. Agr. Col. Ext. Folder 97,5 p. Mar.1953. 275.29 N811Ex
Care and feeding of heifers.

63788 BECKER. 50 jahre milchleistungsprüfungen in Westfalen-Lippe. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:773-775. May 7,1953. 18 L2346

63789 BECKER. Die leistungsergebnisse des kontrolljahres 1952. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:695-696. Apr.23,1953. 18 L2346
Dairy cattle.

63790 BECKER. Stand der milchleistungsprüfungen im kontrolljahr 1952. Landwirt. Wchnbl. 110A:659. Apr. 16,1953. 18 L2338

63791 BESNAULT, P. Une laiterie administrative à Tahiti. Rev. d'Elevage et de Méd. Vét. des Pays Trop. 5: 191-194. 1951/52. 41.8 R3262

63792 BEYNON, V. H. Increased production of beef in the United Kingdom. Gt. Brit. Min. Agr. Agriculture 60:14-20. Apr.1953. 10 G79J
Introducing beef production as a sideline.

63793 BLAGBURN, C. H. That extra gallon swells profits; greater output per cow means lower costs and therefore greater profits. Farmer & Stock-Breeder 67(3313):41,43. Apr.21,1953. 10 F228
In Great Britain.

63794 BONSMA, J. C., and LE ROUX, J. D. Influence of environment on the grazing habits of cattle. Farming So. Africa 28:43-46. Feb.1953. 24 So842

63795 CAILLAUD, E. Comment reconnaitre une bonne vache laitière. Agr. Creusoise 2(6):8-11. 1952? 14 Ag827

63796 CAILLAUD, E. Les facteurs de la production laitière. Agr. Creusoise 2(6):3-5. 1952? 14 Ag827

63797 CATTO, G. A. Cattle on a Perthshire hill farm. Scot. Agr. 32:171-175. Spring 1953. 10 Sco82So

63798 CHAUSSONNIERE, P. Comment perfectionner les méthodes de classement. J. de la France Agr. 9:333. Apr.24/30,1953. 14 J829
Cattle judging.

63799 CHIEFFI, A. Milk control on the farm. (In Portuguese.) Gado Holandês 17(193):10-11. Jan.1953. 43.8 G112

63800 CLARK, R. T. The national program for improving beef cattle through research in the United States. Canad. Soc. Anim. Prod. Proc. 1952:46-48. 49.9 Ea72

63801 CRAWFORD, A. Quick milking and high production. New Zeal. Farmer 74(3):3. Apr.9,1953. 23 N484

63802 CUNHA, T. J. Economical production should be objective of cattlemen today. Fla. Cattleman 17(9):34. June 1953. 43.8 F66

63803 ELINGS, J. T. Developing a practical range beef improvement program. Oreg. State Col. Ext. C. 551, 4 p. Mar.1953. 290.9 Or33C

63804 FARWELL, E. D. El control de leches en El Valle. Holstein Colomb. 6(45):7-8,10-11. Nov./Dec.1952. 43.8 H744

63805 FENYES, D. VON. Vorausberechnung der potentiellen milchleistungsfähigkeit. Deut. Tierärztl. Wchnschr. 60:165-167. Apr.15,1953. 41.8 D482

63806 FLOWER, A. E. Production with quality is the aim of commercial cattlemen. Mont. Stockgrower 25(5): 30-31. May 5,1953. 49 M76

63807 GORDON, G. E., and PELISSIER, C. L. Dairy-herd-improvement work continues to expand. Calif. Dairyman 33(7):13-14. May 2,1953. 44.8 C12

63808 GROOT, T. DE. Vacas grandes o pequeñas? Res 20:27117-27118. July 5,1952. 286.85 R31
Milk production.

63809 HASKELL, W. H. The correct way for machine milking. Milk Prod. [Houston] 18(5):16. May 1953. 44.8 M5993

63810 HINMAN, C. H. Dual purpose cattle today. Breeder's Gaz. 118(6):6. June 1953. 49 B74

63811 JACOBSEN, N. A. Beat costs with bigger calf crop. Mont. Stockgrower 25(5):34-35. May 5,1953. 49 M76

63812 KOHLI, M. L., and SHARMA, R. M. Build a profitable dairy herd. Indian Farming 3:22-25. Apr. 1953. 22 In283

63813 KOPPE, A. 400 kg fett leistende kühe des Vereins Ostfriesischer Stammviehzüchter. Tierzüchter 5:184-185. Apr.20,1953. 49 T445

63814 LINE, C. Grassland measured in milk; some of the experiments now being carried out at the National Institute for Research in Dairying. Farmer & Stock-Breeder 67(3313):43,45. Apr.21,1953. 10 F228
In Great Britain.

63815 LONKA, T. Reasons for seasonal variations in milk production. (In Swedish.) Finsk Boskap 7(1):3-5. Apr.1953. 43.8 F492

63816 LOUGHARY, I. H. Ear tagging for permanent identification. Wash. State Col. Ext. Mimeog. 1531,rev., 2 p. May 1953. 275.29 W27Mi
Cattle.

63817 MCCANN, L. P. A flying trip south of the border. Amer. Hereford J. 44(2):14-15,132-133. May 15, 1953. 43.8 Am32

63818 MAJOR, W. C. T. Modern milking methods. Queensland Agr. J. 76:41-46. Jan.1953. 23 Q33

63819 MIHAILOVIC, S. Feeding and care of dry cows and first concern for the calf. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):4-5. Mar.1953. 21.5 V87

63820 MUKHERJI, S. K. Cow keeping and improvenent of milk supply. Indian Dairyman 5:39-42. Mar. 1953. 44.8 In282

63821 NEWELL, P. F. Beef cattle management. South. Livestock J. 12(11):14,61-62. (Cont.) May 1953. 43.8 F66A

63822 NORDIN, S. O. Variations in fat content of milk at the farm and at the milk plant. (In Swedish.) Ladugården 3:88-90. Mar.1953. 44.8 L12

63823 PACI, C. Productivity in cattle. (In Italian.) Italia Agr. 90:225-228. Mar.1953. 16 It1
Meat, milk, and draft.

63824 PAGOT, J. Production laitière en zone tropicale, faits d'expérience en A.O.F. Rev. d'Elevage et de Méd. Vét. des Pays Trop. 5:173-190. 1951/52. 41.8 R3262

63825 PATIÑO, V. M. El bufalo acuático. Rev. Agr. y Ganad. 13(156):7-8. Jan.1953. 9.4 R327

63826 PEGG, S. E. Pure-bred dairy cattle production recording; report for the year 1951-52. Queensland Agr. J. 76:47-56. Jan.1953. 23 Q33

63827 PINZON, E. Las sombras y el ganado. Almanaque Creditario 10:85-88. 1953. 9.4 AL6

63828 PIOT, A. Controle officiel vaudois de la productivité laitière du troupeau bovin. Agenda de l'Agr. et du Vigneron 1953:320-322. 30.3 Ag33

63829 RAITHBY, G. E. Dairy herd management. 14. Summer thinking. Holstein-Friesian J. 16(2):16-17,42. May 1953. 43.8 H743

63830 SCHROPP, W., and LOHNER, J. Beiträge zur frage nach den ursachen der schwankungen des milchfettgehaltes. I. Süddeut. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 2:33-40. 1951/52. 44.9 W42

63831 SLAGLE, A. B. Progeny tests as step to beef profits. Sowest. Crop & Stock 7(5):15,83-85. May 1953. 6 So8942

63832 STOCKHOLMS LANS OCH STADS CENTRALA KONTROLLFORENING. Redogörelse för kontrollföreningsverksamheten inom Stockholms län och stad [Report on the activities of the Dairy Cattle Inspection Association for Stockholm Province and City], 1952. Lantbrtidskr. f. Stockholms Län och Stad 1a,48 p. 1953. 12 L29

63833 STURMAN, A. It's the average that counts in Dutch dairying. New Zeal. Farmer 74(2):6-7. Mar.26, 1953. 23 N484
Dairy cattle.

63834 SVENSSON, K. B. Causes for variations in fat content of milk. (In Swedish.) Ladugården 3:86,88. Mar.1953. 44.8 L12

63835 SYBRANDY, S. R. Milk recording in the Netherlands. F. R. S. Friesian Herdb. 6:308-310. Apr. 1953. 43.8 F11

63836 TOLONEN, K. Continuous high yielding cows. (In Swedish.) Ladugården 3:82-84. Mar.1953. 44.8 L12

63837 VALLEJO, J. Importancia de la industria del ganado de raza en Antioquia. Soc. Antioqueña de Agr. B. Agr. 395:3913-3915. Mar.1953. 9.4 So1
Dairy cattle.

63838 WEHMEYER. Milchleistungsprüfungen im kontrolljahr 1952. Landwirtbl. Weser-Ems 100:414-415. Apr.9,1953. 18 L2345

63839 WEIDE, VAN D. The inspector judges. Friese Veefokkerij 2(23/24):16-17. Mar.1953. 43.8 F912

63840 WOLTERS, F. A., and others. Slaughter calf production in the Brazos Valley near College Station. Tex. Agr. Expt. Sta. Prog. Rpt. 1568,4 p. Mar.1953. 100 T31P
W. G. Wilson, J. E. Roberts, and J. H. Jones, joint authors.

63841 ZWAGERMAN, C. A couple of remarkable low points in milk production. (In Dutch.) Nederland. Zuivelbond. Off. Orgaan 45:229-230. Apr.15,1953. 44.9 AL3
Seasonal milk production.

DOGS AND CATS

Breeds and Breeding

63842 BASBERG, O. Planned breeding. (In Norwegian.) Norsk Kennel Klub. Tidsskr. 54:33-37. (Cont.) Mar.1953. 48.9 N81T
Of dogs.

63843 BLAIR, L. B. The judging situation. Cocker Spaniel Visitor 6(4):14-15. Apr.1953. 48.8 C64

63844 LE CANICHE, chien de chasse. Chasse, Chiens et Vénerie 14(4):15-22. Apr.1953. 48.8 C43
Includes standards.

63845 CASEY, J. The origin of breed names of dogs. All-Pets Mag. 24(5):77-78. May 1953. 48.8 AL5

63846 CLANCY, C. The Chinese Crested dog. All-Pets Mag. 24(4):75,78. Apr.1953. 48.8 AL5

63847 DALY, M. Snake-killing terrier. Field 201: 681. Apr.23,1953. 10 F45
Australian terriers.

63848 GHENT, B. The Clumber, an all-round gun-dog. Country Life [London] 113:1418. May 7,1953. 80 C83

63849 HAUCK, E. Die hundezucht. Ein handbuch für züchter. Ed. 2. Wien,1952. 160 p. Ref. 48 H29Hu

63850 HUBER, W. Die beziehungen zwischen kopflänge und schnauzenlänge bei verschiedenen hunde-rassen. Schweiz. Gesell. f. Vererbforsch. Jahresber. 12: 211-216. 1952. 443.9 Sch9

63851 JUDE, A. C. Genetics and colour inheritance. All-Pets Mag. 24(5):81,88. May 1953. 48.8 AL5
Cats.

63852 KEHL, L. W. A study of Cockers. 2. Cocker Spaniel Visitor 6(4):22-24. Apr.1953. 48.8 C64

63853 LUCIFERO, M. Inheritance of a "ticking" factor in hunting dogs. (In Italian.) Riv. di Zootec. 26:83. Mar.1953. 49 R52

63854 PESCE, P. A. Watch dogs. (In Italian.) Prog. Vet. 8:250-251. Apr.1,1953. 41.8 P942
Descriptions of some breeds.

63855 SANTOS, E. The Pointer, short-haired English setter. (In Portuguese.) Fauna [São Paulo] 12(2):1-2. Feb.1953. 410 F272

63856 SKELLY, G. F. All about Fox Terriers; a complete manual on history, care and training, with practical information on how to breed high-class dogs. Rev. ed. New York,Orange Judd,1953. 329 p. 48 Sk2

63857 WATERS, M. B. Mendel can't be stifled. Cocker Spaniel Visitor 6(4):11-13. Apr.1953. 48.8 C64
Dog breeding.

Veterinary Medicine

63858 ARLINGTON, V. The Dachshund and paralysis. All-Pets Mag. 24(5):75-76. May 1953. 48.8 AL5

63859 BAKER, J. A. Introduction to Symposium on Infectious Canine Hepatitis. Amer. Vet. Med. Assoc. Proc. 89:223. 1952,pub.1953. 41.9 Un3

63860 BALLANTYNE, E. E. Rabies in northern Alberta. II. Canad. Cattlemen 16(5):16-17,28-29. May 1, 1953. 49 C16
Dogs.

63861 BENESCH, F. Die ovariotomie bei der katze von der flanke. Monatsh. f. Vetmed. 8:113-115. Mar.15, 1953. 41.8 M742

63862 BERGER, G. Creeping eruption. Sowest. Vet. 6:278. Spring 1953. 41.8 So82
Human skin disease cause by dog hookworms.

63863 BIENFET, V. Les pneumonies interstitielles à cellules géantes. Ann. de Méd. Vét. 97:51-62. Ref. Mar.1953. 41.8 An78
Dogs.

63864 BRASMER, T. H., WITTER, R. E., and BOLEY, L. E. Avianized distemper vaccine. No. Amer. Vet. 34: 356-357. May 1953. 41.8 N812

63865 BROWN, H. W., MANN, P. H., and FRATTA, I. The effectiveness of antibiotics against intestinal helminths of the cat. Antibiotics & Chemother. 3:243-248. Mar.1953. 396.8 An8

63866 CLEM, R. R. A stingaree spine—an unusual foreign body in a dog. Austral. Vet. J. 29:83. Mar.1953. 41.8 Au72

63867 COFFIN, D. L., and THORDAL-CHRISTENSEN, A. The clinical and some pathological aspects of pancreatic disease in dogs. Vet. Med. 48:193-198. May 1953. 41.8 M69

63868 COOK, J. E. Chloromycetin palmitate in the treatment of kennel cough. No. Amer. Vet. 34:351-352. May 1953. 41.8 N812

63869 COOPER, C. M. Observations and evaluations of certain fungicides in canine dermatomycosis. Vet. Med. 48:239-241. June 1953. 41.8 M69

63870 COOPERRIDER, D. E. Recent information on hookworms of the dog. Vet. Med. 48:237,256. June 1953. 41.8 M69

63871 CROFT, P. G. Electric stunning and electrocution of small animals. Vet. Rec. 65:259-261. Apr.25, 1953. 41.8 V641
Dogs.

63872 CROW, E. Abdominal tumor in a bitch. Sowest. Vet. 6:261-262. Spring 1953. 41.8 So82

63873 DECAMP, C. E. Infectious canine hepatitis. Vet. Med. 48:199-200,204. May 1953. 41.8 M69

63874 DIVO, A., and LUGO, A. Nota sobre la búsqueda de virus rábico en las ratas. Venezuela. Inst. de Invest. Vet. B. 4:650. Dec.1952. 41.9 V552
English summary.
Following outbreak of rabies in dogs in Caracas.

63875 GUILBRIDE, P. D. L. Syngamus ierei, Physaloptera praeputialis and Platynosomum fastosum from a cat in Jamaica. Vet. Rec. 65:220. Apr.4,1953. 41.8 V641

63876 GUILHON, J., and LOGE, G. Dioctophymose canine en France. Rec. de Méd. Vét. 128:665-673. Nov. 1952. 41.8 R24

63877 HENDERSON, W. Stenosis of the larynx. No. Amer. Vet. 34:349-350. May 1953. 41.8 N812
In a dog.

63878 HILDEBRANDT, K. Vitamin-H-mangel eines hundes. Deut. Tierärztl. Wchnschr. 60:154-155. Apr.1, 1953. 41.8 D482

63879 HIRSCHFELD, W. K. La monorchidie et la cryptorchidie. Rev. Off. de la Cynophilie 18:18-22. Apr./June 1952. 48.8 R32

63880 HUBERT, R. L. Genito-urinary and additional pathology in an aged dog. Sowest. Vet. 6:264-266. Spring 1953. 41.8 So82

63881 HUMPHREYS, F. A., CAMPBELL, A. G., and SMITH, E. S. Studies on Leptospira infection in rodents and dogs in British Columbia. Canad. J. Compar. Med. 17:206-212. Ref. Apr.1953. 41.8 C162

63882 ISHIGURO, H. Experimental studies on the infection of trypanosomes. III. The susceptibility to surra trypanosome infection of dog and horse, the appearance of the parasites in the circulation and the infection control. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:35-44. 1952. 107.6 Y14
English summary.

63883 JENNINGS, A. R. Blood and visceral changes in canine leukaemia (lymphadenosis). J. Compar. Path. & Ther. 63:85-92. Ref. Apr.1953. 41.8 J82

63884 KRAL, F. Skin diseases of small animals. Vet. Med. 48:185-192. May 1953. 41.8 M69
Dogs.

63885 LASFARGUES, E. Essais de culture du virus de la maladie de Carré sur membranes chorio-allantoides et sur tissus embryonnaires de poulet. Inst. Pasteur. Ann. 84:703-710. Ref. Apr.1953. 448.3 An75

63886 LINDAUER, R. Beitrag zur behandlung der Laryngoenteritis infectiosa der katzen. Tierärztl. Umschau 8:51-52. Feb.1953. 41.8 T445

63887 MCDANIEL, J. S. A rabies control program. Amer. Vet. Med. Assoc. Proc. 89:413-415. 1952,pub. 1953. 41.9 Un3
Dogs.

63888 MANUNTA, G. Effect of thyroid hormone on some characteristics of precocity. (In Italian.) Arch. Vet. Ital. 4:35-41. Ref. Feb.28,1953. 41.8 Ar25
English summary.
Use of thyroxine on dogs.

63889 MATHIS, J. M. Intestinal foreign body in a cat. Sowest. Vet. 6:260-261. Spring 1953. 41.8 So82

63890 NEWLIN, T. A., and MOSTYN, H. J. Hormone therapy for canine mammary carcinoma. Vet. Med. 48:254. June 1953. 41.8 M69

63891 PAATSAMA, S. Ligament injuries in the canine stifle joint; a clinical and experimental study. Sweden. Vethögsk. Meddel. 26(15),82 p. Ref. 1951/52. 41.9 St6M

63892 POLSON, A., and MALHERBE, W. D. Changes in the electrophoretic pattern of sera of dogs suffering from various diseases. Onderstepoort J. Vet. Res. 25(4): 13-24. Ref. Dec.1952. 41.8 On1

63893 QUIVY, A. Antibiotiques et coagulation plasmatique chez le chien. Soc. de Biol. Compt. Rend. 146: 1854-1856. Dec.1952. 442.9 P21

63894 REAGAN, R. L., STRAND, N., and BRUECKNER, A. L. Bwamba fever virus and Semliki Forest virus in young dogs. Soc. Expt. Biol. & Med. Proc. 82: 642-643. Apr.1953. 442.9 So1

63895 SAUTTER, J. H., ROWSELL, H. C., and HOHN, R. B. Actinomycosis and actinobacillosis in dogs. No. Amer. Vet. 34:341-346. Ref. May 1953. 41.8 N812

63896 SEIBOLD, H. R. Hepatitis X in dogs. Vet. Med. 48:242-243. June 1953. 41.8 M69

63897 SIBLEY, N. J. Canine histoplasmosis with reference to symptoms and diagnosis. Vet. Med. 48:231-232,241. June 1953. 41.8 M69

63898 SINGH, G. B., and RAO, M. M. A comparative study of canine intravenous anaesthesia in a tropical country. Brit. Vet. J. 109:168-171. Apr.1953. 41.8 V643

63899 STEPHENSON, H. C. Summary of Symposium on Infectious Canine Hepatitis. Amer. Vet. Med. Assoc. Proc. 89:230-232. Ref. 1952,pub.1953. 41.9 Un3

63900 STUNZI, H. Carcinoma renale beim hund. Schweiz. Arch. f. Tierheilk. 95:238-247. Ref. Apr.1953. 41.8 Sch9
English summary.

63901 SUMNER, K. C. The diseases of small animals communicable to man. Veteran 5:14-18. Ref. Spring 1953. 41.8 V6493
Dogs mainly.

63902 TAGLIA, L. Two diseases of the posterior limb of the dog. (In Italian.) Zootec. e Vet. 7:459-463. Nov./Dec.1952. 41.8 Z7

63903 THORPE, B. R. Thyroid enlargement in a dog, treated with iodine and methyl thiouracil. Austral.Vet. J. 29:75-78. Mar.1953. 41.8 Au72

63904 TUFVESSON, G. Operative treatment of pyometra in dog. (In Swedish.) Nord. Vetmed. 5:273-288. Ref. Apr.1953. 41.8 N813
English summary.

63905 ZAHN, C. W. Infectious canine hepatitis. Sowest. Vet. 6:240-242. Ref. Spring 1953. 41.8 So82

Miscellaneous

63906 AUBRY-DUSOULIER, J. Chronique d'élevage. Chasse, Chiens et Vénerie 14(4):27. (Cont.) Apr.1953. 48.8 C43
Care of dogs.

63907 CASE, A. A., and CLOUGH, R. S. Working dogs for the farm; 4-H Club project. Mo. Agr. Col. Ext. 4-H C 107,26 p. Oct.1952. 275.29 M69B

63908 HUBLOT, G. Des animaux de vénerie. Chasse, Chiens et Vénerie 14(4):8-9. Apr.1953. 48.8 C43

63909 LOWRY, R. K. Rules for young puppy care. All-Pets Mag. 24(5):75,78-79. May 1953. 48.8 AL5

63910 SCHACHT, W. Ermittlungen über rasse, ernährung und haltung der gebrauchshunde in der landwirtschaft der ehemaligen länder Thüringen, Sachsen, Sachsen-Anhalt, Brandenburg und Mecklenburg. Arch. f. Geflügelzucht u. Kleintierk. 2:3-35. Ref. 1953. 47.8 Ar22

FUR ANIMALS - PEN RAISED

Breeds and Breeding

63911 DEDERER, M. White or Arctic fox. Natl. Fur News 25(4):14. May 1953. 412.628 R59

63912 SHACKELFORD, R. M. An introduction to genetics. Natl. Chinchilla Breeder 9(3):18-20. May 1953. 412.628 N21
Chinchillas.

Feeds and Feeding

63913 HOWELL, R. E. Dry feed supplementation for the lactating mink. Natl. Fur News 25(4):13,29-30. May 1953. 412.628 R59

63914 LEOSCHKE, W. L., LALOR, R. J., and ELVEHJEM, C. A. The vitamin B_{12} requirement of mink. J. Nutr. 49:541-548. Mar.10,1953. 389.8 J82

63915 PETERSEN, J. Carrot meal. (In Danish.) Dansk Pelsdyravl 16:142. May 1,1953. 412.628 D23
As feed for fur animals.

Veterinary Medicine

63916 CEDERBERG, I. Arftlig hyperplastisk gingivit [Hereditary hyperplastic gingivitis]. Sweden. Vethögsk. Meddel. 26(3),11 p. 1951/52. 41.9 St6M
English summary.
In Silver fox.

63917 DAY, R. M. An organized fight against distemper has cut mink losses. Amer. Fur Breeder 26(5):7. May 1953. 410 Am33

63918 GALE, C. How to control and prevent mink diseases. Black Fox Mag. & Mod. Mink Breeder 36(12): 8-9. Apr.1953. 410 B56

63919 GIROLAMO, A. DE. Observations on the glial architecture of the brain of nutria (Mypotamus coypus). (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1290-1293. June 1952. 442.8 So12

63920 HARTSOUGH, G. R., and GORHAM, J. R. Control of distemper in mink. Amer. Vet. Med. Assoc. J. 122:383-386. May 1953. 41.8 Am3

63921 KULL, K. E. Panic injuries. (In Swedish.) Våra Pälsdjur 24:90-92. Apr.15,1953. 410 V42
To mink.

63922 MOMBERG-JØRGENSEN, H. C. Nogle sjaeldne infektioner hos pelsdyr [Some rare infections of fur animals]. Denmark. Stat. Vet. Serumlab. Meddel. 298,8 p. 1953. 448.9 D41

63923 SPREHN, C. Stoffwechselstörungen als wichtige ursache von nerzverlusten während der aufzucht. Osterr. Kleintierzüchter 8:65-66. Apr.1953. 49 Os7

63924 STEPHENSON, R. G. What to do about urinary calculi. Natl. Fur News 25(4):12. May 1953. 412.628 R59
Research on mink.

63925 WILLS, G. Infectious enteritis of mink. Fur Canada 18(6):3-4. Mar.1953. 412.628 F968

Miscellaneous

63926 DRAGLAND, K. What about the fox? (In Norwegian.) Norsk Pelsdyrbl. 27:113-114. Apr.5,1953. 412.628 N812

63927 HODGSON, R. G. The book of the beaver. Toronto,Fur Trade J. Canada,1952. 104 p. 412.7 H66B
Includes material on raising them.

63928 KELLOGG, C. E. Chinchilla raising. U. S. D. A. L. 266,rev.,8 p. Jan.1953. 1 Ag84L

63929 LANGE, and ZANKER, S. Beobachtungen bei der diesjährigen nutria-fellernte. Deut. Pelztierzüchter 27:73-74. Apr.25,1953. 412.628 D48

63930 REICHERT, E. Edelwaschbär-fellernte 1952. Deut. Pelztierzüchter 27:68-70. Apr.25,1953. 412.628 D48

HORSES AND MULES

Breeds and Breeding

63931 DOROTTE, J. M., FONTEYREAUD, G., and BARNET, G. Note sur l'insémination artificielle des juments, avec de la semence conservée 24 et 48 heures—premiers résultats. Rev. de Méd. Vét. [Toulouse] 103: 424-429. July 1952. 41.8 R32

63932 FORBES, B. Horses with Appaloosa spots. West. Horseman 18(5):26-27. May 1953. 42.8 W522

63933 HASSAN, A. R. The Arab horses in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:407-410. Apr./June 1953. 22.5 Ir1
English summary, p. 11.

63934 JOHNSON, H. Those mountain Arabs. West. Livestock J. 31(23):155-157. Apr.1953. 6 F2278
Horses.

63935 KIEL. Wie lassen sich die befruchtungs- und aufzuchtergebnisse in der pferdezucht verbessern? Deut. Landwirt.-Gesell. Mitt. 68:403-405. Apr.23,1953. 18 N39

63936 LOWE, H. Wie lassen sich die befruchtungs- und aufzuchtergebnisse in der pferdezucht verbessern? Deut. Landwirt.-Gesell. Mitt. 68:427-429. Apr.30,1953. 18 N39

63937 MACEWAN, G. Horse breeds rise and fall. Canad. Cattlemen 16(5):32-33. May 1,1953. 49 C16

63938 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. Stallion enrollments for the year 1952. N. Y. Dept. Agr. & Mkt. C. 732,16 p. 1952. 2 N482C

63939 NORTON, D. M. Popular fallacies about Palominos. West. Horseman 18(5):22,44-46. May 1953. 42.8 W522

63940 PULTE. Probleme der pferdezucht. Landwirt. Z. der Nord-Rheinprov. 120:417-418. Apr.4,1953. 18 L2344

63941 SCHLIE. Die pferdezucht in schwerster krise. Deut. Landwirt.-Gesell. Mitt. 68:358-360. Apr.9,1953. 18 N39

63942 SOMMERFELD, J., and GRUSCHINSKI, R. Shetlandponies bei der arbeit. Tierzüchter 5:160-161. Apr.5,1953. 49 T445

63943 WILSON, L. Arabian horses win friends in Canada. Canad. Cattlemen 16(5):14,31. May 1,1953. 49 C16

Feeds and Feeding

63944 COLBY, B. E. Feeding and managing light horses. Mass. U. Agr. Ext. L. 258,7 p. Jan.1953. 275.29 M381L

63945 ELAM, F. L. Your mare—feed her right! West. Livestock J. 31(23):148,150-151. Apr.1953. 6 F2278

63946 HOWELL, C. E. Horse feeding is related to work performed. Sacramento Val. Rancher 7(4):16,18,23. Apr.1953. 6 Sa12

Veterinary Medicine

63947 AKCAY, S. L'apparition de l'anémie infectieuse du cheval en Turquie et la valeur de diagnostic anatomo-histopathologique. (In Turkish.) Türk Vet. Hekimleri Dernegi. Dergisi 23:479-505. Feb.1953. 41.9 R84
French summary.

63948 BARRIERE, G. Torsion du testicule chez le cheval. Rec. de Méd. Vét. 128:682. Nov.1952. 41.8 R24

63949 BLENDINGER, W. Spätreife und frühreife. Tierärztl. Umschau 8:135-137. Apr.1953. 41.8 T445
Horses and cattle.

63950 BRION, A. Sur une théorie de l'ictère du muleton. Rec. de Méd. Vét. 128:674-681. Ref. Nov.1952. 41.8 R24

63951 BROWN, A. M. Do right by your colt on its birthday. Calif. Farmer, South. Ed. 198:456-457. Apr. 18,1953. 6 C126A
Parturition.

63952 BROWN, R. Internal parasites of horses. Sowest. Vet. 6:256-257. Spring 1953. 41.8 So82

63953 DIAZ UNGRIA, C., and VERGANI, F. Contribución al estudio del género Triodontophorus en Venezuela. Venezuela. Inst. de Invest. Vet. B. 4:673-710. Dec.1952. 41.9 V552
English summary.
Horse parasite.

63954 FOWLER, R. Successful treatment of an abdominal puncture in a horse. Sowest. Vet. 6:263. Spring 1953. 41.8 So82

63955 GALLINA, L. Obstetrical notes. XIX. (In Italian.) Prog. Vet. 8:179-180. Mar.1,1953. 41.8 P942
Case of a horse.

63956 GOMEZ, A. V. Arranging the arrival. Thoroughbred Calif. 16:418-419,436. May 1953. 42.8 T393

63957 HATTON, R. D. Suspected bracken poisoning in the horse. Irish Vet. J. 7:56-57. Mar.1953. 41.8 Ir4

63958 HERRERA SABROSO, H. La prueba del sapo en el diagnóstico de preñez de la yegua. Rev. de Fomento Equino 3(18):23-27. Feb.1953. 42.8 R323

63959 JACQUET, J., and PREVOT, A. R. Le botulisme expérimental du cheval provoqué par la toxine D. Acad. Vét. de France. B. 26:135-140. Feb.1953. 41.9 R24

63960 KRAPF, W., and BRUNNER, K. T. Ein fall von Leptospirosis pomona mit augenentzündung beim pferd. Schweiz. Arch. f. Tierheilk. 95:255-257. Apr.1953. 41.8 Sch9
English summary.

63961 LEEMANN, W. Der nikotinsäuregehalt im blute des gesunden und kranken pferdes. Schweiz. Arch. f. Tierheilk. 95:228-237. Ref. Apr.1953. 41.8 Sch9
English summary.

63962 LEVINE, N. D., and IVENS, V. Relation of chemical structure to activity of iodine compounds against the developmental stages of horse strongyles. Expt. Parasitol. 2:163-169. Apr.1953. 436.8 Ex7

63963 LUCIFERO, M. Bighead—heredity disease of horses? (In Italian.) Riv. di Zootec. 26:81-83. Mar. 1953. 49 R52

63964 MANUNTA, G. On the period of useful life of the horse. (In Italian.) Arch. Vet. Ital. 4:43-50. Ref. Feb.28,1953. 41.8 Ar25
English summary.

63965 MARTIN MENDY, R. El gusano del estómago de los yeguarizos o gastrofilosis equina. Res 20:27602-27603. Dec.5,1952. 286.85 R31

63966 MILLER, W. C. The general problem of parasitic infestation in horses. Vet. Rec. 65:213-217. Apr.4, 1953. 41.8 V641
Verminosis.
Includes discussion.

63967 MOSTAFA, M. S. E. A case of malignant melanoma in a bay horse. Brit. Vet. J. 109:201-205. Ref. May 1953. 41.8 V643

63968 MOUTAUX. Oedéme parotidien matinal du cheval au pré. Rec. de Méd. Vét. 128:617-618. Oct. 1952. 41.8 R24

63969 MULLER, L. F., and SCHULZE, J. Liquoruntersuchungen bei pferden mit Bornascher krankheit. Berlin. u. Münch. Tierärztl. Wchnschr. 66:117-119. Ref. Apr.15,1953. 41.8 B45
English summary.

63970 PIGOURY, L., and CHARNY, J. Le sérum antiréticulo-endothélial chez le cheval et chez le chien. Rec. de Méd. Vét. 129:201-223. Ref. Apr.1953. 41.8 R24

63971 SANDERS, M., and others. Some effects of certain resorcinol derivatives on eastern equine Encephalomyelitis virus. Factors influencing in vitro screening technic. Soc. Expt. Biol. & Med. Proc. 82:369-373. Ref. Mar.1953. 442.9 So1
J. J. Kabara, M. G. Soret, and B. A. Akin, joint authors.

63972 TEUSCHER, R. Die erfahrungen mit der klupenkastration nach Schwab in der modifikation von Weischer. Deut. Tierärztl. Wchnschr. 60:147-149. Apr.1,1953. 41.8 D482
Horses.

63973 THOMAS, T. I. Some observations on the use of penicillin in colliery horses. Vet. Rec. 65:227-228. Apr.11,1953. 41.8 V641

63974 WRIGHT, N. Structure and diseases of the feet of horses. Canad. Cattlemen 16(5):24-25,28-29. May 1,1953. 49 C16

Miscellaneous

63975 BOTTICHER, R. VON. Anweisungen für dressur-reiter und -richter. Landwirtbl. Weser-Ems 100:488-489. Apr.30,1953. 18 L2345

63976 BOUFFAULT, J. C. Contribution à l'étude des diverses présentations du cheval dans le cirque. Alfort, Au Manuscrit,1952. 55 p. Ref. 42 B665
Thèse - École Nationale Vétérinaire, Alfort.

63977 COCHRAN, K. First foals are good. Thoroughbred Calif. 16:404,444. May 1953. 42.8 T393

63978 COY, B. Training the roping horse. West. Horseman 18(5):30-31,53-57. May 1953. 42.8 W522

63979 HARRISON, S. A touch of the ancient. Thoroughbred Rec. 157(20):7,22. May 16,1953. 42.8 T39

63980 HAYES, M. H. Points of the horse; a treatise on the conformation, movements, breeds and evolution of the horse. Ed. 6, rev. London,Hurst & Blackett,1952. 540 p. 42 H32P

63981 KAYS, J. M. Horsemanship, a 4-H Club project. Mo. Agr. Col. Ext. 4-H C. 109,25 p. Nov.1952. 275.29 M69B

63982 LUCE, P. W. Rounding up wild horses. Canad. Cattlemen 16(5):36-37. May 1,1953. 49 C16

63983 MALLY, M. Pferdezucht. Wein,Österreichischer Agrar-Verlag,1952. 236 p. 42 M293

63984 MUÑIZ, C. M. Los diferentes pasos del caballo. Cuba Ganad. 13(10,i.e.9):19-20. May 1,1953. 49 C89

63985 RUNCIMAN, D. Hippus was here. Canad. Cattlemen 16(5):8-9. (Cont.) May 1,1953. 49 C16

63986 SANDSTRÖM, G. The horse in forestry service. (In Swedish.) Skogsägaren 29:52-57. Mar.1953. 99.8 Sk55
Chiefly on the care of the horse.

63987 STEFFEN, R. That old cotton rope. West. Horseman 18(5):18-19,40-41. May 1953. 42.8 W522
For training.

63988 STRYKER, J. A. How to take better horse pictures. West. Horseman 18(5):32-33,58-64. May 1953. 42.8 W522

LABORATORY ANIMALS, SMALL

Breeds and Breeding

63989 TAYLOR, C. V. B. Red and chocolate cavies. All-Pets Mag. 24(5):109-110. May 1953. 48.8 AL5

Feeds and Feeding

63990 REINACH, N., and LOUW, J. G. The utilization of phosphorus from different sources by the rat. Onderstepoort J. Vet. Res. 25(4):99-104. Dec.1952. 41.8 On1

Veterinary Medicine

63991 SCHWEINBURG, F. B., and SYLVESTER, E. M. Bacteriology of the healthy experimental animal. Soc. Expt. Biol. & Med. Proc. 82:527-530. Ref. Mar.1953. 442.9 So1

Miscellaneous

63992 LANE-PETTER, W. The conduct of animal experiments in Great Britain. Conquest 41(134):5-13. Apr.1953. 448.9 R312
Care of laboratory animals.

63993 PULGAR VIDAL, J. El curi o cuy. Colombia. Fichero Cient. Agropecuario. P. 1,204 p. Nov.1952. 9.4 C7193
Colombia.

POULTRY

Breeds and Breeding

63994 ARKANSAS POULTRY IMPROVEMENT ASSOCIATION. 1953 year book. Fayetteville,1952. 68 p. 47.9 Ar4

63995 BEESTMAN. Langshan Bantams; elegant and productive. (In Dutch.) Pels en Pluim 7(9):7. May 1, 1953. 47.8 P36

63996 BLYTH, J. S. S. Genetics and the poultry-keeper. Gt. Brit. Min. Agr. Agriculture 60:62-67. May 1953. 10 G79J

63997 BURROWS, W. T., and KOSIN, I. L. The effects of ambient temperature on production and fertilizing capacity of turkey spermatozoa. Physiol. Zool. 26: 131-146. Ref. Apr.1953. 410 P56

63998 COLES, R. Hybrids. Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 31:8-9. Spring 1953. 47.8 Ac2

63999 CORVELLO, P. Hybridizing as a factor in the improvement of our poultry. (In Portuguese.) Lav. e Criação 7(44):62-63. Nov.1952. 49 L392

64000 EAGAN, O. L. Truth about the gamecock. Grit & Steel 55:48-53. May 1953. 47.8 G88

64001 FARNEK, J. Der französische Kröpfer. Osterr. Kleintierzüchter 8:58-59. (Concl.) Apr.1953. 49 Os7

64002 FISCHER, K., and SCHORN, L. Was erstreben La Flèche-züchter? Allg. Geflügel-Ztg. 33(11):1. Apr. 10,1953. 47.8 AL5

64003 GODFREY, G. F., and THOMPSON, R. B. Silver Oklabars, their origin and present development. Okla. Agr. Expt. Sta. B. B-394,8 p. Mar.1953. 100 Ok4

64004 GYLES, N. R. Poultry breeding today. Ark. Poultry Impr. Assoc. Ybk. 1953:46-49. 47.9 Ar4

64005 HILGER, R. In- und ausländische stimmen über Rhodeländer. Geflügel Züchter 6:5-7. Jan.10,1953. 47.8 G279

64006 HUBNER, O. Anleitung zur aufzucht und mast von Pekingenten. Osterr. Kleintierzüchter 8:55-56. Apr.1953. 49 Os7

64007 JEROME, F. N., and BERGEY, J. E. Wing-spot: a down character in domestic fowl. Poultry Sci. 32: 412-414. May 1953. 47.8 Am33P

64008 LAURENT, F. Production d'hybrides provenant de 3 races—tri-way cross. Rev. d'Oka 27:51. Mar./Apr. 1953. 7 Ok1
Poultry.

64009 MCBRIDE, G. Some aspects of poultry breeding. Victorian Poultry J. 39(8):21,23. Mar.2,1953. 47.8 V662

64010 MCCLUNG, M. R. What constitutes a breeding program? Ark. Poultry Impr. Assoc. Ybk. 1952:51,53,55. 47.9 Ar4

64011 MACKLIN, H. P. Name this new variety of pigeons. Amer. Pigeon J. 42:134. May 1953. 47.8 Am35
Ribbontail.

64012 MACKLIN, H. P. Pigeon portraits: the Cauchois pigeon. Amer. Pigeon J. 42:138-140. May 1953. 47.8 Am35

64013 MEREGALLI, A. Uniformity of type in broilers. (In Italian.) Riv. di Zootec. 26:91. Mar.1953. 49 R52

64014 MILSTEAD, E. Directive thinking in pigeon breeding. Amer. Pigeon J. 42:140. May 1953. 47.8 Am35

64015 MOBES. Geschlechtsgebundene farben bei haustauben. IV. Allg. Geflügel-Ztg. 33(12):3. Apr.20, 1953. 47.8 AL5

64016 MOBES. Geschlechtsgebundene farben bei haustauben. V. Allg. Geflügel-Ztg. 33(13):3. May 1,1953. 47.8 AL5

64017 MORLEY, F. H. W. Genetics and poultry breeding. Arg. Gaz. N. S. Wales 64:130,156-160. (Cont.) Mar.1953. 23 N472

64018 MILLER, W. J. The time of appearance of species-specific antigens of Columba guinea in the embryos of backcross hybrids. Physiol. Zool. 26:124-131. Ref. Apr.1953. 410 P56

64019 MOULTRIE, F., KING, D. F., and COTTIER, G. J. Fifteen years of selection for viability in White Leghorns. Poultry Sci. 32:454-461. Ref. May 1953. 47.8 Am33P

64020 POWELL-OWEN, W. Crosses for table production. Poultry World 92(18,sup):i-vi. Apr.30,1953. 47.8 P8682

64021 READMAN, E. Looking ahead. Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 31:12-13. Spring 1953. 47.8 Ac2
Breeding.

64022 RECHENBACH, H. Kann die pflanzenzüchtung uns beispiel sein? Deut. Wirtgeflügelzucht. 5:417-418, 420. Apr.25,1953. 47.8 D483

64023 ROMER, R. Schönheit und leistung. Geflügelhof 16:255-257. Apr.24,1953. 47.8 G276
Poultry breeding.

64024 SCALES, J. W. Fertility. Gamecock 16:30. May 1953. 47.8 G142

64025 SCHEINBERG, S. L., WARD, H., and NORDSKOG, A. W. Breeding for egg quality. I. Heritability and repeatability of egg weight and its components. Poultry Sci. 32:504-510. Ref. May 1953. 47.8 Am33P

64026 STEPHENSON, A. B., WYATT, A. J., and NORDSKOG, A. W. Influence of inbreeding on egg production in the domestic fowl. Poultry Sci. 32:510-517. Ref. May 1953. 47.8 Am33P

64027 WYATT, A. J. Combining ability of inbred lines of Leghorns. Poultry Sci. 32:400-405. Ref. May 1953. 47.8 Am33P

64028 ZIMMERT, E. Form und feinheiten bei den goldfarbigen Italienern. Allg. Geflügel-Ztg. 33(12):1. Apr.20,1953. 47.8 AL5

Feeds and Feeding

64029 ALMQUIST, H. J. Dehydrated alfalfa meal in poultry rations. Feedstuffs 25(20):34,57-58. May 16, 1953. 286.81 F322

64030 ALMQUIST, H. J., and MERRITT, J. B. Effect of fiber level in mash on gain and economy of Beltsville Small White turkeys. Poultry Sci. 32:548-549. May 1953. 47.8 Am33P

64031 AMSCHLER, J. W., and PAMMER, H. Kückenmastversuch mit Aurofac-2 A. Bodenkultur 6:341-343. 1952. 19 B635

64032 AMSCHLER, J. W., and PAMMER, H. Legeleistungstastversuch mit Aurofac-2 A. Bodenkultur 6: 344-345. 1952. 19 B635

64033 ANDERSON, C. L., and PARKER, J. E. Growth and feed consumption of broiler chickens. Oreg. Agr. Expt. Sta. C. Inform. 528,6 p. Apr.1953. 100 Or3C

64034 ATKINSON, R. L., and COUCH, J. R. Unidentified growth factors in distillers dried solubles as related to antibiotics and methionine in the nutrition of turkey poults. Distillers Feed Conf. Proc. 8:51-56. Ref. 1953. 389.79 C765

64035 BALLOUN, S. L., JOHNSON, E. L., and ARNOLD, L. K. Laboratory estimation of the nutritive value of soybean oil meals. Poultry Sci. 32:517-527. Ref. May 1953. 47.8 Am33P
For chicks.

64036 BARRETT, F. N. When it comes to diet, you can't fool a turkey. Turkey World 28(5):12-13,67-68. May 1953. 47.38 T84

64037 BATTIG, M. J., and others. Prevention of perosis in goslings by nicotinic acid. Poultry Sci. 32: 550-551. May 1953. 47.8 Am33P
E. G. Hill, T. H. Canfield, and H. J. Sloan, joint authors.

64038 BEARSE, G. E. What grains to use. Washcoegg 30(7):9,14,18. Dec.1952. 47.8 W27

64039 BOBBY, F. C. Importance of protein in poultry rations. New Zeal. J. Agr. 86:105,107-108. Feb.16,1953. 23 N48J

64040 BURGESS, R. C., GLUCK, M., and LAUGHLAND, D. H. Biochemical changes in the penicillin-fed chick. Poultry Sci. 32:444-449. Ref. May 1953. 47.8 Am33P

64041 CARD, L. E. Poultry nutrition developments. Feedstuffs 25(19):72-73. May 9,1953. 286.81 F322

64042 CARTANYA ALEU, P. La fabricación de piensos en avicultura. III. Reus Avic. 2:225-226. Mar.1, 1953. 47.8 R31

64043 CECIL, L. Feeding early and late growers. Mod. Poultry Keeping 68:398-399. Apr.15,1953. 47.8 Eg3

64044 COMBS. G. F. Unidentified factors and fish products. Fish Meal & Oil Indus. Internatl. Ybk. 1953: 17-18. Ref. 414.8 F526
In poultry nutrition.

64045 COUCH, J. R. Methionine improves both growth and feathering. Broiler Growing 4(5):48-50. May 1953. 47.8 B782

64046 COUCH, J. R. Work at Texas indicates that it pays to feed antibiotics from start to finish. Turkey World 28(5):16-17,63-64. May 1953. 47.38 T84

64047 DRAPER, C. I. Is barley a good turkey feed? Turkey World 28(5):11. May 1953. 47.38 T84

64048 EDWARDS, H. M., and others. Probable identity of unidentified chick growth factors in fish solubles and penicillin mycelium residue. Poultry Sci. 32:551-554. May 1953. 47.8 Am33P
R. Dam, L. C. Norris, and G. F. Heuser, joint authors.

64049 ENGELMANN. Das vitamin B12 in der geflügelzucht. Thür. Kleintierzüchter 7:98. Mar.30,1953 49 T42

64050 FARAKOS, B. Nutrition and cheap poultry rations. (In Greek.) Ptenotrophikon Delt. 20:13-16. Feb./Mar.1953. 47.8 P952

64051 GAAFAR, S. M., and ACKERT, J. E. Studies on mineral deficient diets as factors in resistance of fowls to parasitism. Expt. Parasitol. 2:185-208. Ref. Apr.1953. 436.8 Ex7

64052 GODFREY, P. R., CARRICK, C. W., and QUACKENBUSH, F. W. Iodine nutrition of chicks. Poultry Sci. 32:394-396. May 1953. 47.8 Am33P

64053 GORDEUK, A. How much feeder space is enough? Turkey World 28(5):44,59. May 1953. 47.38 T84

64054 GRAU, C. R., and ZWEIGART, P. A. Phosphatic clay as a phosphorus source for chicks. Poultry Sci. 32:500-503. May 1953. 47.8 Am33P

64055 HANSEN, R. G., and others. Growth stimulation and growth inhibition of chicks fed forage and forage juice concentrate. J. Nutr. 49:453-464. Ref. Mar.10, 1953. 389.8 J82
H. M. Scott, B. L. Larson, T. S. Nelson, and P. Krichevsky, joint authors.

64056 HARPER, J. A. The role of antibiotics in turkey nutrition. Coop. Poultryman 18(5):9-11,31. May 1953. 47.8 C782

64057 HEIMAN, V. Pellets, mash or crumbles? Turkey World 28(5):42. May 1953. 47.38 T84

64058 HILL, C. H., and others. Lack of effect of amino acids on the growth retardation due to unheated soybeans. Arch. Biochem. & Biophys. 43:286-288. Apr. 1953. 381 Ar2
R. Borchers, C. W. Ackerson, and F. E. Mussehl, joint authors.
In chick rearing.

64059 HILL, D. C., and others. Influence of environment on the growth response of chicks to penicillin. Poultry Sci. 32:462-466. May 1953. 47.8 Am33P
H. D. Branion, S. J. Slinger, and G. W. Anderson, joint authors.
Includes bacteria found in housing.

64060 HUGHES, G. P., and EYLES, D. E. Extracted herbage leaf protein for poultry feeding. I-III. J. Agr. Sci. 43:136-153. Ref. Apr.1953. 10 J822

64061 JOHNSON, E. Antibiotics and turkey rations. Minn. Gobbles 7(11):20-21. Apr.1953. 47.38 M66

64062 JOHNSON, E. L. Chickens require unknown factors. Westernews 14(8):4-5. Apr.1953. 389.78 W522

64063 KRATZER, F. H. Get efficiency from your feeds. Norbest Turkey News 17(10):1,6. Apr.1953. 47.38 N75

64064 LEE, C. E., and others. The effect of supplementary all-mash pellets in the all-mash feeding program for layers using automatic feeders. Poultry Sci. 32:429-433. May 1953. 47.8 Am33P
O. A. Rowoth, C. L. Henry, and J. Presto, joint authors.

64065 LIEBENBERG, C. R. All-mash or mash and grain for chicks. Farming So. Africa 28:71072. Feb.1953. 24 So842

64066 LILLIE, R. J., SIZEMORE, J. R., and BIRD, H. R. Environment and stimulation of growth of chicks by antibiotics. Poultry Sci. 32:466-475. May 1953. 47.8 Am33P
Includes housing.

64067 LILLIE, R. J., and BIRD, H. R. Evaluation of antibiotic feed supplements and crystalline antibiotics in chick rations. Poultry Sci. 32:531-535. May 1953. 47.8 Am33P

64068 LÜHMANN, M. Futterverbrauch und gewichtsverlust des hausgeflügels während der brut. Arch. f. Geflügelzucht u. Kleintierk. 1:45-71. 1952. 47.8 Ar22

64069 LYMAN, C. M., CHANG, W. Y., and COUCH, J. R. Evaluation of protein quality in cottonseed meals by chick growth and by a chemical index method. J. Nutr. 49:679-690. Ref. Apr.10,1953. 389.8 J82

64070 MCCLYMONT, G. L., DUNCAN, D. C. Aureomycin supplement increases growth of chickens on high and low protein diets. Red Comb Poultry J. 1(11):11, 13,14-15. Jan.1953. 47.8 R242

64071 MCKAY, W. Antibiotics still under experiment. Poultry World 92:481. Apr.30,1953. 47.8 P8682

64072 MACNAUGHTON, W. R. The feeding value of frozen wheat for poultry. Canad. Soc. Anim. Prod. Proc. 1952:105-109. 49.9 Ea72

64073 MORRISON, A. B., CLANDININ, D. R., and ROBBLEE, A. R. The effects of processing variables on the nutritive value of sunflower seed oil meal. Poultry Sci. 32:492-496. May 1953. 47.8 Am33P

64074 MORRISON, A. B., CLANDININ, D. R., and ROBBLEE, A. R. The supplementary value of sunflower seed oil meal in practical chick starting rations. Poultry Sci. 32:542-547. May 1953. 47.8 Am33P

64075 OLOUFA, M. M. Effect of thyroprotein on egg production, egg weight and body weight of chickens during summer. Poultry Sci. 32:391-394. Ref. May 1953. 47.8 Am33P

64076 PATRICK, H. Comparative growth promoting value of procaine and diamine penicillin for chicks. Poultry Sci. 32:554-555. May 1953. 47.8 Am33P

64077 PETERSEN, C. F., and others. Vitamin B_{12} requirements for hatchability and production of high-quality chicks. Poultry Sci. 32:535-542. Ref. May 1953. 47.8 Am33P
A. C. Wiese, G. E. Milne, and C. E. Lampman, joint authors.

64078 ROBERTSON, E. I. Curative nutrition. East. Feed Merchant 4(5):28-29,32-33. May 1953. 389.78 Ea7
Poultry.

64079 ROSENBLUM, M. Feeding the replacement flock. Eggsaminer 30(5):4-5,20. May 1953. 286.85 Eg32

64080 RUNNELS, T. D., and others. Large scale broiler feeding tests with distillers dried solubles. Distillers Feed Conf. Proc. 8:67-73. Ref. 1953. 389.79 C765
K. C. Seeger, D. W. Francis, and E. F. Waller, joint authors.

64081 SCHNEIDER, W. Was muss der geflügelzüchter beim einkauf von einzel- und mischfutter wissen? Geflügelhof 16:239-241. Apr.17,1953. 47.8 G276

64082 SCHOORL, P. Fattening test with North Holland Blues. (In Dutch.) Pels en Pluim 7(9):5. May 1, 1953. 47.8 P36

64083 SCOTT, H. M., FISHER, H., and SNYDER, J. M. Alfalfa meal as a source of unidentified growth factors. Poultry Sci. 32:555-556. May 1953. 47.8 Am33P

64084 SECULI BRILLAS, J. Factores indispensables en la alimentación de las aves. III. Neosan Avíc. 3:3-12. June 1952? 41.8 N352

64085 SIEDLER, A. J., and SCHWEIGERT. B. S. Effect of feeding graded levels of fat with and without choline and antibiotic + B_{12} supplements to chicks. Poultry Sci. 32:449-454. Ref. May 1953. 47.8 Am33P

64086 SLINGER, S. J., SNYDER, E. S., and PEPPER, W. F. Effect of penicillin on the growth of goslings. Poultry Sci. 32:396-400. May 1953. 47.8 Am33P

64087 SNELL, E. E., and others. Growth-promotion by lyxoflavin. II. Relationship to riboflavin in bacteria and chicks. Soc. Expt. Biol. & Med. Proc. 82:583-590. Ref. Apr.1953. 442.9 So1
O. A. Klatt, H. W. Bruins, and W. W. Cravens, joint authors.

64088 SNYDER, J. M., JOHNSON, B. C., and SCOTT, H. M. Surface active agents and the time of their effect on chick growth with special reference to vitamin B_{12} and aureomycin interrelationships. Poultry Sci. 32:527-531. May 1953. 47.8 Am33P

64089 TEDESCO, L. Los antibióticos en la alimentación de las aves. Uruguay. Min. de Ganad. y Agr. B. Inform. 10(453):13-14. Feb.5,1953. 9.9 G15B

64090 THAYER, R. H., and DAVIS, J. P. B-complex vitamin allowances for Oklahoma broiler rations. Okla. Agr. Expt. Sta. B. B-393,11 p. Ref. Mar.1953. 100 Ok4

64091 VAVICH, M. G., WERTZ, A., and KEMMERER, A. R. Growth-stimulating factors in alfalfa for chicks. Poultry Sci. 32:433-436. May 1953. 47.8 Am33P

Veterinary Medicine

64092 ANCEL, P. Action de la trypaflavine sur la rotation de l'embryon de poule. Soc. de Biol. Compt. Rend. 146:1839-1841. Dec.1952. 442.9 P21

64093 ANDRIANNE, V. F. Sur quelques cas fatals d'ornithose chez des pigeons Goura (Goura cristata—Pallas); isolement du virus, traitement à la terramycine. Ann. de Méd. Vét. 97:63-72. Ref. Mar.1953. 41.8 An78

64094 BALDELLI, B. Middlebrook-Dubos reaction in the diagnosis of avian tuberculosis. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1185-1188. June 1952. 442.8 So12

64095 BANTA, L. How coccidiosis affects chickens. Poultry Indus. [Boston] 59(5):9. May 1953. 47.8 N44

64096 BASKAYA, H., URMAN, H., and BESE, M. The incidence of aspergillosis in adult turkeys, in Ankara. (In Turkish.) Türk Vet. Hekimleri Dernegi. Dergisi 23:539-552. Ref. Feb.1953. 41.9 R84
English summary.

64097 BOGGS, L. C. Stop that cocci outbreak. Washcoegg 30(10):60-61. Mar.1953. 47.8 W27

64098 BORCHERT, A. Endoparasiten des geflügels. Merkbl. über die Hauptsächlichsten Parasiten u. Parasitengruppen 12,72 p. 1952. 436.8 M54

64099 BRAGG, D. D. Curled tongue in turkeys: cause not established but condition seems to increase with fine mash. Turkey World 28(5):58-59. May 1953. 47.38 T84

64100 COHRS, P. Bewirkt chinosol nephrose oder nephritis bei hühnern? Tierärztl. Umschau 8:127-128. Apr.1953. 41.8 T445

64101 COLE, R. K., and HUTT, F. B. Normal ovulation in non-laying hens. Poultry Sci. 32:481-492. May 1953. 47.8 Am33P

64102 COMMON, R. H., MAW, W. A., and JOWSEY, J. R. Observations on the mineral metabolism of pullets. IX. The effects of estrogen and androgen administered separately on the retention of calcium by the sexually immature pullet. Canad. J. Agr. Sci. 33:172-177. Ref. Mar./Apr.1953. 7 Sci2

64103 CROMLEY, C. W. Treatment for blue comb disease in chickens. Vet. Med. 48:252. June 1953. 41.8 M69

64104 CUMMINGS, J. B. The war against disease; how the duck farmers won it. Rur. New-Yorker 103:314, 340. May 2, 1953. 6 R88
Long Island Duck Disease Research Laboratory.

64105 DARCEL, C. L. Studies on the avian leukosis complex. 2-3. J. Compar. Path. & Ther. 63:112-135. Ref. Apr.1953. 41.8 J82

64106 DIVO, A., and LUGO, A. Un caso de parotiditis humana por virus de Newcastle (infección de laboratorio). Venezuela. Inst. de Invest. Vet. B. 4:644-649. Ref. Dec.1952. 41.9 V552
English summary.

64107 DUTTLINGER, E. Bäuerliche geflügelhaltung: wollen wir die kücken sterben lassen? Grune 81:397-399. Apr.10,1953. 17 Sch9

64108 GODFREY, G. F., WILLIAMS, C., and MARSHALL, C. E. The relative influence of egg size, age at sexual maturity and mature body weight on growth to twelve weeks of age. Poultry Sci. 32:496-500. May 1953. 47.8 Am33P

64109 GORDON, R. F. Diseases of turkeys. Poultry World 92(20,sup.):i-vii. May 14,1953. 47.8 P8682

64110 GRIMINGER, P., SCOTT, H. M., and CARD, L. E. Hemorrhaging in broilers. Feedstuffs 25(19):78. May 9,1953. 286.81 F322

64111 GRUMBLES, L. C. The three Salmonella infections in turkeys are pullorum, typhoid and paratyphoid. Turkey World 28(5):14-15,64-65. May 1953. 47.38 T84

64112 GWATKIN, R., and DZENIS, L. A possible method of examining chick down for the presence of Salmonella pullorum. (Abs.) Rev. Canad. de Biol. 11:511. Mar.1953. 442.8 R325

64113 HALL, W. J., and WEHR, E. E. Diseases and parasites of poultry. U. S. D. A. Farmers' B. 1652,rev., 91 p. Feb.1953. 1 Ag84F
Revision of former editions by J. S. Buckley, H. Bunyea, and E. Cram.

64114 HAMILTON, C. M. Here's how to control respiratory diseases of chickens. Washcoegg 30(10):49-52. Mar.1953. 47.8 W27

64115 HAMILTON, C. M. Pigeon pox vaccine. Wash. State Col. Ext. Mimeog. 1514,1 p. n.d. 275.29 W27Mi

64116 HARTWIGK, H. Zum lähme- und leukose-problem. Deut. Wirtgeflügelzucht. 5:388. Apr.11,1953. 47.8 D483

64117 HITCHNER, S. B., and REISING, G. "Booster" spray for Newcastle disease. East. Feed Merchant 4(5): 38,40. May 1953. 389.78 Ea7

64118 JACOTOT, H. Sur la perméabilité de la membrane coquillère de l'oeuf de poule a quelques agents microbiens (inoculation dans la chambre a air). Inst. Pasteur. Ann. 84:614-617. Mar.1953. 448.3 An75

64119 JANSEN, B. C. The occurrence of some hitherto undescribed Leucocytozoon and Haemoproteus species in South African birds. Onderstepoort J. Vet. Res. 25(4): 3-4. Dec.1952. 41.8 On1
Includes pigeons.

64120 JOHNSON, E. P. "Non-specific enteritis" remains a puzzle. Turkey World 28(5):39-40. May 1953. 47.38 T84

64121 JUHN, M. A history of six years' thiouracil treatment in a Brown Leghorn hen. J. Endocrinol. 9:155-159. Ref. Apr.1953. 448.8 J8293

64122 KASCHULA, V. R. The domestic pigeon as a possible carrier of Newcastle disease. Onderstepoort J. Vet. Res. 25(4):25-27. Dec.1952. 41.8 On1

64123 KASCHULA, V. R. Newcastle disease vaccination: the use of live virus after inactivated vaccine. Onderstepoort J. Vet. Res. 25(4):29-40. Ref. Dec.1952. 41.8 On1

64124 KELLY, J. W., DEARSTYNE, R., and LUCAS, H. L. Feed 'em dirt! Res. & Farming [N. C. Sta.] 10(3): 3. Winter 1952. 100 N81R
Treatment for perosis in turkeys.

64125 KELSO, L. Some fundamentals of the feather. V. Biol. L. 65,2 p. May 3, 1953. 442.8 B528

64126 KERR, K. B. Parasites steal your profits. Broiler Growing 4(5):15,55-58. May 1953. 47.8 B782

64127 KNEEBONE, P. J. Fowl pox. Red Comb Poultry J. 1(11):39-42. Jan.1953. 47.8 R242

64128 KOHN, A. In vitro inactivation of Newcastle disease virus by penicillin preparations. Soc. Expt. Biol. & Med. Proc. 82:612-616. Ref. Apr.1953. 442.9 So1

64129 KUDZIA, J. J., and CHAMPION, L. R. Investigations concerning the effects of cortisone in the domestic fowl. Poultry Sci. 32:476-481. Ref. May 1953. 47.8 Am33P

64130 LANDAUER, W. Complex formation and chemical specificity of boric acid in production of chicken embryo malformations. Soc. Expt. Biol. & Med. Proc. 82: 633-636. Apr.1953. 442.9 So1

64131 LANDAUER, W. On teratogenic effects of pilocarpine in chick development. J. Expt. Zool. 122:469-483. Apr.1953. 410 J825

64132 MCCARTY, R. T. Neomycin sulfate treatment of Salmonella derby infection in geese. Amer. Vet. Med. Assoc. J. 122:386-387. May 1953. 41.8 Am3

64133 MCCARTY, R. T. Vaccinate your flock. N. Mex. Agr. Col. Ext. Ser. 400-P1,5 p. Oct.1952. 275.29 N463Es

64134 MCNEIL, E. Controlling hexamitiasis. Turkey World 28(5):20,62-63. May 1953. 47.38 T84

64135 MCCOWEN, S. Cómo se puede prevenir y controlar el Newcastle en las aves. Rev. Nac. de Agr. 47 (574):46,48. Feb.1953. 914 R32

64136 MANTOVANI, G., and QUARNA, E. Observations on an enzootic of aspergillosis in goose raising. (In Italian.) Prog. Vet. 8:209-210,212,214-216. Mar.15, 1953. 41.8 P942

64137 MELVILLE, D. B., and HORNER, W. H. Blood ergothioneine in the germ-free chicken. J. Biol. Chem. 202:187-191. Ref. May 1953. 381 J824

64138 MIAULT, A. Apprenez à connaître—les sulfamides. Cocoricos du Monde 8(4):10-11. Apr.1953. 47.8 C64
Use in poultry diseases.

64139 MONCRIEF, T. E. Better poultry health through vaccination. Everybodys Poultry Mag. 58(5):9, 16-18. May 1953. 47.8 F213P

64140 MOOKERJEE, S. Experimental dissociation of cells from chick embryos. Nature [London] 171:796. May 2,1953. 472 N21

64141 NACE, G. W. Serological studies of the blood of the developing chick embryo. J. Expt. Zool. 122: 423-448. Ref. Apr.1953. 410 J825

64142 NOBLE, G. A. The large roundworm [Ascaridia galli] of poultry. Amer. Poultry J. East. Ed. 84(5): 32,37. May 1953. 47.8 Am32

64143 OLSEN, M. W., and MARSDEN, S. J. Embryonic development in turkey eggs laid 60-224 days following removal of males. Soc. Expt. Biol. & Med. Proc. 82:638-641. Ref. Apr.1953. 442.9 So1

64144 PAETZ. Die verdauungsorgane des geflügels. Allg. Geflügel-Ztg. 33(13):1-2. May 1,1953. 47.8 AL5

64145 PHILLIPS, E., and REEDY, L. M. Botulism in turkeys. Sowest. Vet. 6:272. Spring 1953. 41.8 So82

64146 PLACIDI, L., and SANTUCCI, J. Etude expérimentale du virus de Newcastle marocain. Acad. Vét. de France. B. 26:123-130. Feb.1953. 41.9 R24

64147 PLACIDI, L., and SANTUCCI, J. Sur la réceptivité de certaines espèces au virus de la maladie de Newcastle. Inst. Pasteur. Ann. 84:588-594. Mar.1953. 448.3 An75

64148 POMEROY, B. S. Upper digestive tract diseases. Minn. Gobbles 7(11):10. Apr.1953. 47.38 M66

64149 POMEROY, B. S., and FENSTERMACHER, R. What about infectious bronchitis in poultry. Minn. Farm & Home Sci. [Minn. Sta.] 10(3):6-7. May 1953. 100 M668

64150 POULTRY FARMER. At-a-glance chart of diseases. Poultry Farmer [London] 126(3278):10; (3279): 2; (3280):11; (3281):12; (3282):11; (3283):10; (3284):11. May 31-July 12,1952. 47.8 F312

64151 REMLINGER, P., and BAILLY, J. La rage expérimentale du canard. Inst. Pasteur d'Algérie. Arch. 30:362-370. Dec.1952. 448.3 In7A

64152 ROF CODINA, J. Patologia aviar. Balearic Isl. Diputación Prov. B. de Agr. 100:1-2. Jan.1953. 15 B19

64153 ROMIJN, C., and LOKHORST, W. The influence of iodine on the physiological activity of the fowl. (In Dutch.) Tijdschr. v. Diergeneesk. 78:369-392. Ref. May 1,1953. 41.8 T431
English summary.

64154 SASSENHOFF-GYLSTORFF, I. Zur frage der resistenz gegen Marekshe lähme. Deut. Wirtgeflügelzucht. 5:386. Apr.11,1953. 47.8 D483

64155 SCHEIB-PFLEGER, D. Rôle des hormones sexuelles sur le développement in vitro des canaux de Müller de l'embryon de poulet femelle différencié. Acad. des Sci. Compt. Rend. 236:1446-1448. Apr.8,1953. 505 P21

64156 SCHOOP, G. Die pullorumseuche und ihre bekämpfung. Deut. Wirtgeflügelzucht. 5:401-403. (Concl.) Apr.18,1953. 47.8 D483

64157 SCHOPEN. Zur bekämpfung der hühnerpest. Landwirt. Z. der Nord-Rheinprov. 120:418-419. Apr.4, 1953. 18 L2344

64158 SCOTT, M. L. Hock trouble—a review of the problem. Turkey World 28(5):18-19,68-69. May 1953. 47.38 T84

64159 SYLSTRA, A. To flush or not to flush, that is the question. Turkey World 28(5):30,32. May 1953. 47.38 T84
Disease treatment.

64160 TRENCHI, H. Las enfermedades avícolas: laringotraqueitis infecciosa. Uruguay. Min. de Ganad. y Agr. B. Inform. 10(454):11. Feb.12,1953. 9.9 G15B

64161 TRENCHI, H. Las enfermedades de las aves: la diftero-viruela. Uruguay. Min. de Ganad. y Agr. B. Inform. 10(455):7; (456):6-7; (457):5; (458):6. Feb.26-Mar.19,1953. 9.9 G15B

64162 TSUDA, S. Effects of the testosterone on both male and female fowls. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:169-179. Ref. Feb.1953. 107.6 K995B
English summary.

64163 TURTON, J. D. Perosis in ducklings complicated by a riboflavin deficiency. Brit. Vet. J. 109:171-174. Apr.1953. 41.8 V643

64164 TZORTZAKIS, N. Observations on salt toxicity in chicks. (In Greek.) Ptenotrophikon Delt. 20:16-17. Feb./Mar.1953. 47.8 P952

64165 TZORTZAKIS, N. Pullorum disease and hatchings. (In Greek.) Ptenotrophikon Delt. 19:10-11. Jan.1953. 47.8 P952

64166 ULSEN, F. W. VAN. Coli-granuloma in hens. (In Dutch.) Tijdschr. v. Diergeneesk. 78:393-397. May 1, 1953. 41.8 T431
English summary.

64167 UPTON, E., and others. Studies on intracerebral inoculation of Newcastle disease virus (NDV) into mice. I. J. Infect. Dis. 92:175-182. Ref. Mar./Apr. 1953. 448.8 J821
R. P. Hanson, D. Dow, and C. A. Brandly, joint authors.

64168 VEROLINI, F. Development of the endohistiocytic form of Plasmodium gallinaceum in the culture of splenic tissue taken from fowls, inoculated with blood in the period preceding the endohistiocytic invasion. (In Italian.) Riv. di Parassitol. 14:7-14. Ref. Jan.1953. 436.8 R52
English summary.

64169 VIGUIE, J. El caponaje químico. Reus Avíc. 2:235,237. Mar.1,1953. 47.8 R31

64170 VOLKER, O. Die isolierung von rhodoxanthin aus den federn einer flaumfusstaube. Hoppe-Seyler's Z. f. Physiol. Chem. 292:75-77. 1953. 384 Z38

64171 WADSWORTH, J. The poultry laboratory at Fayetteville. Ark. Poultry Impr. Assoc. Ybk. 1952:61. 47.9 Ar4
Disease diagnosis.

64172 WALLER, E. F., and GARDINER, M. R. Newcastle disease: response to formalized vaccine. Poultry Sci. 32:405-411. May 1953. 47.8 Am33P

64173 WINCHESTER, C. F., and SCARBOROUGH, V. C. The influence of thyroxin on growth and egg production of chickens. Poultry Sci. 32:423-429. May 1953. 47.8 Am33P

64174 WORDEN, A. N. Functional anatomy of birds. 27. Cage Birds 103:466. Apr.16,1953. 413.8 C11C

64175 ZANDER, D. V., and MATHEY, W. J. Modern poultry vaccination. Amer. Poultry J. East. Ed. 84(5):18, 24,26. May 1953. 47.8 Am32

64176 ZURECK, F. Eine seltene eileiteranomalie bei einem huhn. Tierärztl. Umschau 8:121-122. Apr.1953. 41.8 T445

Miscellaneous

64177 ANDREWS, W. G. North Carolina 'pullet chains' improve poultry. Poultry Supply World 30(4):20-21. Apr.1953. 47.8 B11
4-H poultry clubs.

64178 BECKER, H. Bericht über die XXI. rheinische hühnerleistungsprüfung in Krefeld-Grosshüttenhof. Deut. Wirtgeflügelzucht.5:369-371. Apr.4,1953. 47.8 D483

64179 BICKERS, J. R. How many broilers? Amer. Hatchery News 28(5):10-11,19. Jan.1953. 47.8 In83

64180 BISHOP, R. W. Successful large scale shipments of baby chicks by air now proved possible. Red Comb Poultry J. 1(11):19-21. Jan.1953. 47.8 R242

64181 BONNER, M. G. Couriers of the sky; pigeons and their care. Ed. 2, rev. New York,Knopf,1952. 86 p. 47.2 B642

64182 BROWN, J. C. Broilers as a sideline can be profitable under certain conditions. Amer. Poultry J. East. Ed. 84(5):10,17. May 1953. 47.8 Am32
Care.

64183 BRYANT, R. L., and BUCHANAN, M. L. Record of research in poultry husbandry. N. Dak. Agr. Expt. Sta. Bimon. B. 15:206-207. Ref. May/June 1953. 100 N813B
Work of the North Dakota Department of Poultry Husbandry.

64184 BUTTNER, E. E. So you want to keep pigeons! On various subjects. So. African Poultry, Pigeor ° Bird Mag.,Apr.1953:30. 47.8 So83

64185 CANADA. DEPT. OF AGRICULTURE. PRODUCTION SERV. LIVESTOCK AND POULTRY DIV. Canada poultry R.O.P. annual summary, 1951-1952. Ottawa, 1953? 40 p. 47.9 C162C

64186 CANADA. MARKETING SERV. ECONOMICS DIV. The poultry enterprise on forty-nine Manitoba farms, 1948/49, by O. P. Blaich. Ottawa,1952. 26 p. 47.9 C165

64187 CECIL, L. Choosing the right brooding system. Mod. Poultry Keeping 68:118-119. Feb.4,1953. 47.8 Eg3

64188 COLES, R. Poultry on the general farm. Farmers Annu. 1953:55-57. 10 F2237

64189 CORTESE, M. Pollicoltura familiare ed industriale [Small scale and industrial poultry farming]. Ed. 4, rev. and enl. Milano,Hoepli,1952. 418 p. Ref. 47 C817

64190 COUCH, J. R. Raising turkeys from eight weeks to market. Co-op Chick News 25(2):4-5. Apr./June 1953. 47.8 C783

64191 DAKAN, E. L. Poultry shows. They're a thing of the past for commercial breeders. Ohio Farmer 211(10):8-9. May 16,1953. 6 Oh3

64192 DOMPNIER, A. Pour débuter et réussir dans l'élevage en batteries. Vie à la Campagne 42:10-14. Jan.1953. 80 V67

64193 EARLEY, F. It's the pay-off that counts! Everybodys Poultry Mag. 58(5):12,23-24. May 1953. 47.8 F213P
Financial records.

64194 EBBELL, H. Möglichkeiten der rationalisierung in der geflügelwirtschaft. II. Deut. Wirtgeflügelzucht. 5:389-392. Apr.11,1953. 47.8 D483

64195 EBBELL, H. Möglichkeiten der rationalisierung in der geflügelwirtschaft. III. Deut. Wirtgeflügelzucht. 5:438-440. May 2,1953. 47.8 D483

64196 FELTWELL, R. Turkey farming. London, Faber & Faber,1952. 333 p. Ref. 47.3 F34

64197 GALLUS, R. O. Studieneindrücke aus der geflügel-industrie der U.S.A. Osterr. Kleintierzüchter 8:53-55. Apr.1953. 49 Os7

64198 GLASER, L. Production of domestic geese is on increase in California. Calif. Farm Bur. Mon. North. Ed. 34(5):12-13. May 1953. 275.293 Calif.
Care.

64199 GODFREY, H. P. Deep litter intensive poultry farming. Hearth & Farm 7:219-222. Spring 1953. 10 B47

64200 GORDEUK, A. What do growers do with the dead ones? Turkey World 28(5):56-57. May 1953. 47.38 T84

64201 GRATON, A. L'élevage des dindes en réclusion rapporte plus. B. des Agr. 35(4):69-70,109. Apr. 1953. 7 B872

64202 GREAVES, H. M. Table pigeons. Agr. Gaz. N. S. Wales 64:149-151. (Concl.) Mar.1953. 23 N472

64203 GUÐMUNDSSON, J. M. Maintenance of the poultry stock. (In Icelandic.) Freyr 48:110-112. Mar. 1953. 11 F89
Care and transportation of chicks.

64204 GUNTHER, H. Zum thema "aufzuchtbatterie." Deut. Wirtgeflügelzucht. 5:405. Apr.18,1953. 47.8 D483

64205 HANSEN, R. S. Brooding, 1953. Washcoegg 30(8):9,21. Jan.1953. 47.8 W27

64206 HOOGENDOORN, J. Efficient poultry raising. (In Dutch.) Pluimveeteelt 6(9):3-4. Apr.24,1953. 47.8 P722

64207 HOUT, A. VAN. Adequate and convenient identification of poultry and rabbits. (In Flemish.) Cult. en Handel 19:286-288. May 1953. 80 C892

64208 HOUT, A. VAN. Proper care of young hens. (In Flemish.) Cult. en Handel 19:281-282. May 1953. 80 C892

64209 JOHNSON, E. A. California egg laying contests. Coop. Poultryman 18(5):4-5,21. May 1953. 47.8 C782

64210 JOHNSON, E. A. Fryers average 3.95 pounds at ten weeks of age. Coop. Poultryman 18(5):14-15. May 1953. 47.8 C782

64211 JOHNSON, L. Management practices determine broiler profits. Amer. Poultry J. East. Ed. 84(5): 11,16,43. May 1953. 47.8 Am32

64212 JONES, J. H. Battery laying cage system of egg production. New Zeal. J. Agr. 86:213,215. Mar.16, 1953. 23 N48J

64213 KLEIN, G. T. Plan for the future. Poultry Tribune 59(5):9,18. May 1953. 47.8 P8642

64214 KRIARAS, P. Requirement of turkey chicks. (In Greek.) Ptenotrophikon Delt. 20:33-34. Feb./Mar. 1953. 47.8 P952

64215 LANCASTER, J. E., and CRABB, W. E. Studies on disinfection of eggs and incubators. I. Brit. Vet. J. 109:139-148. Apr.1953. 41.8 V643

64216 LANKFORD, L. T. Junior broiler contest emphasizes quality and efficiency of production. Ark. Poultry Impr. Assoc. Ybk. 1953:43-44. 47.9 Ar4

64217 LATORRE, L. Explotación de aves en baterias. VII. B. de Zootec. 9:37-52. Feb.1,1953. 41.9 So16

64218 LATTEUR, F. L'élevage artificiel des poussins. Sillon Belge 23(555):6. (Concl.) Apr.11,1953. 13 Si3

64219 LEE, A. E. The big business of duck farming. Poultry Herald 65(5):4-5. May 1953. 47.8 P862

64220 LYNNES, R. M. Vent method chick sexing is on the way out! Poultry Supply World 30(4):15. Apr.1953. 47.8 B11

64221 MCARDLE, A. A. Parafield Official Egg-Laying Competition—general report of the 1951-52 Competition. Red Comb Poultry J. 1(10):11,13-15. Nov. 1952. 47.8 R242

64222 MANSER, E. Der skandinavische geflügelstandard. Geflügelhof 16:257-259. (Cont.) Apr.24,1953. 47.8 G276

64223 MARTINEZ CORDOBA, L. Paticultura: instalaciones, ranchos y piensos para patas ponedoras, crianza de patitos. Ceres [Valladolid] 18(202):47. Apr. 1953. 15 C33

64224 MAUMENÉ, A. Une fabrique de poulets sur 1 hectare. Vie à la Campagne 42:27-29,36. Jan.1953. 80 V67

64225 MAYOR-DELAPRAZ, J. E. Aviculture et cuniculture. Agenda de l'Agr. et du Vigneron 1953:324-326. 30.3 Ag33

64226 NODINE, E. H., TRASK, O. S., and HIGGINS, T. C. 4-H laying flock management. Mass. U. Agr. Ext. 4-H L. 55,23 p. Sept.1952. 275.29 M381J
Also published as R. I. State Col. Ext. B. 147,23 p. Sept.1952. 275.29 R34

64227 PAIEMENT, R. J. Considérations sur l'evolution de l'aviculture. Ferme 14(8):93-96. Apr.1953. 7 F38
Canada.

64228 PIERCE, H. C. Value of the Chicken-of-Tomorrow program. Ark. Poultry Impr. Assoc. Ybk. 1952: 41,43,45. 47.9 Ar4

64229 PONS FLORIT, J. La producción de huevos en los cuatro primeros meses y la puesta anual. Balearic Isl. Diputación Prov. B. de Agr. 101:4. Feb.1953. 15 B19

64230 PONSIGNON, M. Quand l'agriculture soutient l'aviculture. Vie a la Campagne 42:179. May 1953. 80 V67

64231 POTTER, J. H., and ALLEE, W. C. Some effects of experience with breeds of Gallus gallus L. on behavior of hens toward strange individuals. Physiol. Zool. 26:147-161. Ref. Apr.1953. 410 P56

64232 POULTRY FARMER. New illustrated encyclopaedia. 1-15. Poultry Farmer [London] 128(3315-3327,sup.),152 p. Feb.14-May 9,1953. 47.8 F312

64233 POULTRY WORLD. Easy reference encyclopedia. Poultry World 92(16,sup.),8 p; (17,sup.),16 p. Apr.16-23,1953. 47.8 P8682

64234 RAWL, H. N. The search for more economical fried chicken. Agrarian 12(2):20-21. Spring 1953. 276.8 Ag8
Chicken-of-Tomorrow Contests.

64235 REDDITT, J. R. Heed the proverb, "a stitch in time;" the surest way to produce quality birds. Minn. Gobbles 7(11):11,19-26. Apr.1953. 47.38 M66

64236 REED, F. D. What does it cost to raise a broiler? Maine Poultry Impr. Assoc. Ybk. 1953:27,29. 47.9 M282

64237 REID, W. M., and DARDIRI, A. The native Egyptian hatchery in a Poultry Improvement Program. Foreign Agr. 17:99-103. May 1953. 1.9 Ec7For

64238 RIVERS, F. Building a small farm with poultry. VII. The deep litter courtyard. Good Husb. 3(7):10-11, 18. Mar.1953. 24 G59

64239 ROCCA, L. La Ferme Avicole Expérimentale de La Torse. Vie à la Campagne 42:22. Jan.1953. 80 V67

64240 ROSCH, E. Die praxis der bäuerlichen geflügelhaltung. Württemb. Wchnbl. f. Landwirt. 120:420-422. Apr.18,1953. 18 W96

64241 SCHLEUSENER, E. Versuch über das lebendrupfen von gänsen. Arch. f. Geflügelzucht u. Kleintierk. 1:5-22. 1952. 47.8 Ar22

64242 SCHLUTTER, H., and MISSLER, H. Vom rheinischen wettlegen auf Gut Schabernack 1910/1911 bis zur rheinischen hühnerleistungsprüfung auf Grosshüttenhof-Krefeld 1952/1953. Deut. Wirtgeflügelzucht. 5:423-425. Apr.25,1953. 47.8 D483

64243 SCHMIDT, H. W. Gesetzliche vorschriften für den geflügelhalter zur abwehr von raubwild und raubzeug in hof und stall. II. Allg. Geflügel-Ztg. 33(11): 2. Apr.10,1953. 47.8 AL5

64244 SCHWEIZERISCHER GEFLUGELZUCHTVERBAND. Jahresbericht, 1952. Zollikofen,1952. 47.9 Sch9J
Section on general activities also in French.

64245 SHRADER, H. L. An egg dealer studies hatchery reports. Amer. Egg & Poultry Rev. 15(4):10,12. Apr.1953. 47.8 Am38

64246 SMITH, R. M. Summary results of 1951 National Chicken-of-Tomorrow Contest. Ark. Poultry Impr. Assoc. Ybk. 1952:47,49. 47.9 Ar4

64247 SOUZA, O. P. C. DE. Raising pigeons. (In Portuguese.) Lav. e Criaçao 7(44):68. Nov.1952. 49 L392

64248 SYLSTRA, A. W. Keep 'em healthy; here are tips on how you can lick summer poultry health problems. Poultry Tribune 59(6):7. June 1953. 47.8 P8642

64249 TAYLOR, J. C. Raising your Jersey chicks. N. J. Agr. Col. Ext. L. 101,4 p. Feb.1953. 275.29 N46L

64250 TEMPERTON, H. Economics of egg production. Farmers' J. (n.s.) 4(7):12. (Cont.) May 1953. 10 F2234

64251 THIFRONITIS, G. Poultry problems. (In Greek.) Ptenotrophikon Delt. 20:8-11. Feb./Mar.1953. 47.8 P952

64252 THORNBER, C., and HALE, M. Deep litter system of poultry keeping. Ed. 3. London,Poultry World, 1952? 84 p. 47 T392

64253 TRASK, O. S., HIGGINS, T. C., and NODINE, E. H. Raising baby chicks. Mass. U. Agr. Ext. 4-H L. 58, 15 p. Mar.1953. 275.29 M381J

64254 U. S. BUR. OF ANIMAL INDUSTRY. Educational aids on the National Poultry Improvement and National Turkey Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 40,rev.,5 p. Apr.1953. 1.9 An52An

64255 WILLERTON, J. Table poultry production. Accredited Poultry Breeders' Fed. Eng. & Wales. News Serv. 31:10-11. Spring 1953. 47.8 Ac2

64256 WILSON, W. O. The effects of climatic conditions on poultry production. Grain & Feed Rev. 42(5):12, 52,54. Jan.1953. 280.28 G78

64257 WINNER, E. B., and others. Poultry management (for 4-H Club projects). Mo. Agr. Col. Ext. 4-H C. 108,47 p. Nov.1952. 275.29 M69B
S. H. Bodenhamer, T. Joule, R. Ricketts, and R. S. Clough, joint authors.

64258 ZINDEL, H. C. Well hatched is half raised. Turkey World 28(5):47,50. May 1953. 47.38 T84

RABBITS

Breeds and Breeding

64259 BEAUMONT, K. First and last, the Castor. Fur & Feather 116:267. Apr.23,1953. 49 F96

64260 CRAWFORD, E. L. Wahl der zuchttiere in der Angorakaninchenzucht. Osterr. Kleintierzüchter 8: 61-62. Apr.1953. 49 Os7

64261 DRESSE, O. En faveur du lapin Rex. Cour. Hort. 15:161-162. Mar.1953. 80 C834

64262 FORBUSH, K. Begin with Flemish. Small Stock Mag. 37(5):4. May 1953. 44.8 P442
Care.

64263 GAUBE, G. Kritik, die grundlage zum erfolg. Osterr. Kleintierzüchter 8:62. (Concl.) Apr.1953. 49 Os7
Breeding Angora rabbits.

64264 HORNLEIN. Das Marderkaninchen, seine entstehung und rassemerkmale. Thür. Kleintierzücht. 7: 102-103. Mar.30,1953. 49 T42

64265 PARKER, D. F. American Chinchilla rabbits for fancy and commercial purposes. Natl. Rabbit Raiser & Poultry Grower 20(8):31. Apr.1953. 40.28 R11

64266 POCKRANDT, W. Neues blut—neue rassen. Deut. Kleintier-Züchter 8(7):4-5. Apr.5,1953. 49 D483
Rabbits.

64267 PRICE, J. T. The Satin mutation. Calif. Rabbits Mag. 16(9):4,16,18. May 1953. 40.28 Sa5

64268 SCHOTT, R. A. Raising Champagnes in California. Small Stock Mag. 37(5):39. May 1953. 44.8 P442

64269 THIESS, D. C. Some Angora history. Angora Rabbit Mag. 7(7):1,10-11. Apr./May 1953. 40.28 An42

64270 ZIMMER, R. Durch zuchtbuchführung zur zucht. Deut. Kleintier-Züchter. Ausg. Kaninchen 8(8):3-4. Apr.20,1953. 40.28 D48
Rabbits.

Feeds and Feeding

64271 JOHNSON, H. A. Flemish Giants and a roughage diet. Small Stock Mag. 37(5):3. May 1953. 44.8 P442

64272 KULWICH, R., STRUGLIA, L., and PEARSON, P. B. The effect of coprophagy on the excretion of B vitamins by the rabbit. J. Nutr. 49:639-645. Ref. Apr. 10,1953. 389.8 J82

64273 NICKISCH, K. Uber die verdaulichkeit von sonnenblumensamen und sonnenblumenextraktionsschrot beim kaninchen und wiederkäuer. Arch. f. Tierernähr. 3:48-64. Ref. July/Aug.1952. 389.78 Ar22

Veterinary Medicine

64274 ISHIGURO, H. Pathological studies on trypanosomiasis. I. Histo-pathological changes of male genitals of surra rabbits. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:45-60. 1952. 107.6 Y14
English summary.

64275 OLIVIER, L., and WEINSTEIN, P. P. Experimental schistosome [Trichobilharzia ocellata and T. stagnicolae] dermatitis in rabbits. J. Parasitol. 39:280-291. Ref. June 1953. 448.8 J824

64276 ROWAN, W. B. A snail intermediate host of the rabbit parasite Hasstilesia tricolor (Trematoda: Brachylaemidae). Science 117:559-560. May 22,1953. 470 Sci2

64277 VARENNE, H. La prévention des maladies dans les élevages de lapins. Rev. de l'Elevage 8:426-427. May 1953. 49 B462

Miscellaneous

64278 BOGART, R. Producing rabbits for meat. Mo. Agr. Col. Ext. 4-H C. 115,12 p. Feb.1953. 275.29 M69B

64279 DALQUEST, C. M. Speaking about rabbits. Amer. Rabbit J. 23(5):68-69. May 1953. 40.28 Am3

64280 DENNY, D. A. Research results from a commercial rabbitry. Amer. Rabbit J. 23(5):65-66. May 1953. 40.28 Am3

64281 DISHAW, O. W. Rabbits as a 4-H project. Mass. U. Agr. Ext. 4-H L. 49,19 p. Jan.1952. 275.29 M381J

64282 KING, W. W. Modern rabbit husbandry. London,Lockwood,1953. 159 p. 40.2 K58M

64283 ROMEIRO, M. M. Nutrition: the use of rabbit meat, its decrease in Brazil and increase in Europe and the United States. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384):26. Jan.1953. 9.2 B733

64284 WANNING, F. Kaniner [Rabbits]. København, Hagerup,1953. 187 p. 40.2 W18

64285 WARE, H. G., and WARREN, A. G. Rabbit production. Okla. Agr. Col. Ext. C. 583,11 p. n.d. 275.29 Ok41C

SHEEP AND GOATS

Breeds and Breeding

64286 BADENHORST, D. F., and HEINICHEN, W. Mutton-production capacity of Karakul sheep. Farming So. Africa 28:76,106. Mar.1953. 24 So842

64287 BLIN, H. Les caractéristiques des races ovines Pyrénéennes. Mouton 8:39-41. Apr.1953. 45.8 M86

64288 BONADONNA, T. Angora goat breeding and mohair production. (In Italian.) Zootec. e Vet. 7:450-458. Nov./Dec.1952. 41.8 Z7

64289 BOSMAN, S. W. The breeding of Merino sheep. Farming So. Africa 28:78. Mar.1953. 24 So842

64290 BRINK, H. A herd of billy goats. (In Dutch.) Geitenhouder 16(4):6-7. Apr.1953. 40.18 G27

64291 BRITISH GOAT SOCIETY. Herd book No. 78, January to December 1952. Diss,Norfolk,1953. 122 p. 40.19 B77H

64292 COLEMAN, J. M., and WATTS, J. F. Fat lamb production—trial with Merino ewes. Agr. Gaz. N. S. Wales 64:118. Mar.1953. 23 N472

64293 COLMAN, K., and BASSETT, J. Lamb production of two year old ewes. Mont. Wool Grower 27(5):15. May 1953. 45.8 M762

64294 CORRIEDALE SHEEP SOCIETY. Flock book, v. XXIX, 1952. Christchurch,1952? 137 p. 45.9 C81

64295 CREPIN, P. Essai de classification des grands rameaux caprins dans le monde. Mouton 8:43-44. Apr.1953. 45.8 M86

64296 DUSSARDIER, M., and SZUMOWSKI, P. Contribution à l'étude du sperme de bouc. Rec. de Méd. Vet. 128:628-635. Ref. Oct.1952. 41.8 R24

64297 GIULIANI, R. How to increase fertility in sheep. II. Control of fertility with hormones. (In Italian.) Riv. di Zootec.26:65-70. Mar.1953. 49 R52

64298 HOLTING, L. Untersuchungen über die vererbung des körper- und schurgewichts mit hilfe des töchter-müttervergleiches an den nachkommen von neun besten westfälischen schwarzkopfböcken. Tierzüchter 5: 196-197. Apr.20,1953. 49 T445

64299 JARDAS, F. Problem of advancement of sheep breeding on mountain estates in Lika. (In Serbo-Croatian) Stočarstvo 6:422-430. Sept.1952. 43.8 St6

64300 MAIOCCO, F. The Karakul flock of the Alexandria National Rabbit Production Institute. (In Italian.) Alessandria. Cam. di Com. Indus. e Agr. Rass. Econ. 7:2-6. Jan./Feb.1953. 287 AL24

64301 MINNAAR, J. S. We have indeed been progeny testing our sires! Merino Breeders' J. 15(2):6,18. Apr.1953. 45.8 So8

64302 NEW ZEALAND SHEEP BREEDERS' ASSOCIATION. New Zealand flock book, v. 48. Christchurch, 1952. 196 p. 45.9 N481

64303 PALIAN, B. Die milchleistung der auf der staatlichen landwirtschaftlichen domanen Travnik und Kupres für die merinisation zugefuhrten Zackelschafe. (In Serbo-Croatian.) Stočarstvo 6:396-407. Sept.1952. 43.8 St6
German summary.

64304 RODRIGUEZ, J. La oveja manchega en Ocaña. Ceres [Valladolid] 18(202):43. Apr.1953. 15 C33

64305 SARAZA ORTIZ, R. Raza caprina Murciana. B. de Zootec. 9:9-25. Ref. Jan.1,1953. 41.9 So16

64306 SHUKLA, D. D., and BHATTACHARYA, P. Seasonal variation in 'reaction-time' and semen quality of sheep. Indian J. Vet. Sci. & Anim. Husb. 22:109-122. Ref. June 1952,pub.1953. 41.8 In22

64307 STARKE, J. S. Studies on the inheritance of milk production in sheep. So. African J. Sci. 49:245-254. Ref. Mar.1953. 515 So84

64308 VIEIRA, J. C. N. Corriedale breed and its possibilities in Rio Grande do Sul. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:316-324. Ref. Oct./Dec. 1952. 9.2 R325

64309 WENSLEYDALE LONGWOOL SHEEP BREEDERS' ASSOCIATION. Flock book of Wensleydale Longwool sheep, volume LXIV. Grange-over-Sands,1953. 55 p. 45.9 W482

64310 WHITEHEAD, G. K. An historic herd of "wild" goats. Country Life Annu.,Christmas 1952:178,180,183. 80 C835
Owned by Lord Bagot of Blithfield (Staffordshire).

64311 WHITING, F., and others. A comparison of three breeds of range sheep under different environmental conditions. Canad. Soc. Anim. Prod. Proc. 1952:73-79. 49.9 Ea72
S. B. Slen, H. F. Peters, R. D. Clark, and W. N. MacNaughton, joint authors.

64312 WRIGHT, G. M., and STEVENS, P. G. Lifetime wool production and breeding performance of Romney Marsh and Corriedale ewes. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:430-435. Feb.1953. 514 N48A

64313 YEATES, N. T. M. The effect of high air temperature on reproduction in the ewe. J. Agr. Sci. 43:199-203. Ref. Apr.1953. 10 J822

Feeds and Feeding

64314 ARCES, P. J. D'. Quelques observations sur l'alimentation de secours du mouton nord-africain. Acad. d'Agr. de France. Compt. Rend. 39:232-236. Feb.11/18, 1953. 14 P215Bc

64315 ARMSTRONG, D. G., and THOMAS, B. The nutritive value of Calluna vulgaris. II. A preliminary study of digestibility. J. Agr. Sci. 43:223-228. Ref. Apr. 1953. 10 J822
Sheep.

64316 BLIN, H. Conseils pratiques. Mouton 8:42. Apr.1953. 45.8 M86
Feeding.

64317 MICHAEL, D. T. Rape or cole: some observations on its management in relation to the health of sheep grazing on it. Vet. Rec. 65:231-232. Apr.11,1953. 41.8 V641

64318 NEALE, P. E. Alfalfa cubes for fattening lambs and wethers. N. Mex. Agr. Expt. Sta. B. 375,17 p. Apr.1953. 100 N465

64319 REINACH, N., LOUW, J. G., and GROENEWALD, J. W. The effect of body stores and of method of supplementation on the efficiency of calcium and phosphorus utilization by sheep. Onderstepoort J. Vet. Res. 25(4):85-91. Dec.1952. 41.8 On1

64320 SMITH, J. G., and JULANDER, O. Deer and sheep competition in Utah. J. Wildlife Mangt. 17:101-112. Ref. Apr.1953. 410 J827

64321 WATSON, D. What minerals mean to sheep. Farmer & Stock-Breeder 67(3316):52-53. May 12, 1953. 10 F228

64322 WEIR, W. C., and TORELL, D. T. Salt-cottonseed meal mixture as a supplement for breeding ewes on the range. J. Anim. Sci. 12:353-358. May 1953. 49 J82

64323 WEITS, J., HOUTMAN, A. C., and ROBORGH, J. R. The effect of a iodinated casein fraction on the milk yield of goats. Netherlands J. Agr. Sci. 1:39-43. Feb. 1953. 12 N3892

Veterinary Medicine

64324 CLAPP, K. H. Circling disease in South Australia. Austral. Vet. J. 29:82. Mar.1953. 41.8 Au72
Listeria monocytogenes cause of disease in sheep.

64325 CLARK, R., and WESSELS, J. J. The influences of the nature of the diet and of starvation on the concentration curve of sulphanilamide in the blood of sheep after oral dosing. Onderstepoort J. Vet. Res. 25(4):75-83. Dec.1952. 41.8 On1

64326 COOPER, F. A. Sheep dipping, showering or spraying? Gt. Brit. Min. Agr. Agriculture 60:80-83. May 1953. 10 G79J

64327 DARBYSHIRE, J. H. Some observations on rabies in sheep. Vet. Rec. 65:261-262. Apr.25,1953. 41.8 V641

64328 DYVERDON, C. La castration des moutons. Cour. Hort. 15:160-161. Mar.1953. 80 C834

64329 ENDREJAT, E. Uber gehäufte todesfälle unter schafen nach behandlung mit gechlorten kohlenwasserstoffen. Tierärztl. Umschau 8:130-132. Apr.1953. 41.8 T445

64330 ENIGK, K. Das auftreten der schafpiroplasmose in Deutschland. Z. f. Tropmed. u. Parasitol. 4:175-186. Ref. Mar.1953. 448.8 Z37
English summary.

64331 EYLAU, O. Die infektiöse adenomatose (papillomatose) der lungen des schafes (jagziekte). Deut. Tierärztl. Wchnschr. 60:184-189. Ref. May 1,1953. 41.8 D482

64332 FETHERS, G. Phenothiazine for sheep. Past. Rev. 63:225-226. Mar.16,1953. 23 Au75
For worms.

64333 FORSYTH, B. A. The experimental treatment of contagious footrot in sheep. Austral. Vet. J. 29:73-74. Mar.1953. 41.8 Au72

64334 FRIÐRIKSSON, S. Pasturing of sheep 1952. (In Icelandic.) Freyr 48:134-137. Apr.1953. 11 F89
Diseases.

64335 HADEK, R. Mucin secretion in the ewe's oviduct. Nature [London] 171:750. Apr.25,1953. 472 N21

64336 HEAD, M. J. The effect of pregnancy and lactation in the ewe on the digestibility of the ration with a note on the partition of nitrogen in the foetus at full term J. Agr. Sci. 43:214-217. Ref. Apr.1953. 10 J822

64337 HERRERO CONESA, D. Avitaminosis B (patologia ovina). Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 59:20-21. (Cont.) Apr.1953. 15 Sa7

64338 HOEDEN, J. VAN DER. Leptospirosis among goats in Israel. J. Compar. Path. & Ther. 63:101-111. Apr.1953. 41.8 J82

64339 HOLM, G. C., EVELETH, D. F., and DINUSSON, W. E. Trichloroethylene soybean meal poisoning in sheep. Amer. Vet. Med. Assoc. J. 122:380-382. May 1953. 41.8 Am3

64340 HOLMES, J. R. Pregnancy toxaemia in grassland flocks. Vet. Rec. 65:299-303. Ref. May 16,1953. 41.8 V641
Sheep.

64341 ISHII, S., and others. The experimental reproduction of so-called lumbar paralysis—epizootic cerebrospinal nematodiasis—in goats in Japan. Brit. Vet. J. 109:160-167. Ref. Apr.1953. 41.8 V643
A. Yajima, Y. Sugawa, T. Ishiwara, T. Ogata, and Y. Hashiguchi, joint authors.
Setaria digitata larvae raised in mosquitoes.

64342 JACKSON, E. Science and the hill-sheep farmer. Manx J. Agr. (n.s.)7(4):23,25. Apr.1953. 10 M312
Disease control.

64343 JACOBSEN, N. A. To twin or not to twin? Mont. Wool Grower 27(5):11. May 1953. 45.8 M762

64344 JAMIESON, N. D., and SWAN, J. B. Photosensitivity diseases in New Zealand. VII. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:436-444. Feb.1953. 514 N48A
Sheep.

64345 JENKINS, H. I. Phenothiazine poisoning in sheep. Sowest. Vet. 6:263-264. Spring 1953. 41.8 So82
Lambs.

64346 KIWAKI, S. On the horn-gland of the goat. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:29-33. 1952. 107.6 Y14
English summary.

64347 KONDO, K. Studies on intersexuality in milk goats. Jap. J. Genet. 27:131-141. Dec.1952. 442.9 J27

64348 KÖNIG, H., and STAFFE, A. Beitrag zur wirkung des solanins auf blutbild und -katalase beim schaf. Deut. Tierärztl. Wchnschr. 60:150-153. Apr.1, 1953. 41.8 D482

64349 MCDONALD, I. W. Experimental duodenal fistula in the sheep. Vet. Rec. 65:290-291. May 9,1953. 41.8 V641

64350 MARSH, H. "Bent leg" in lambs. Mont. Wool Grower 27(5):14. May 1953. 45.8 M762

64351 MAURIN, J. Déviation du complément et épreuve allergique dans la fièvre Q. Inst. Pasteur. Ann. 84:650-653. Mar.1953. 448.3 An75
Lambs used.

64352 PIANA, C. Time of passage of food through the digestive tract of sheep from which the rumen had been removed. (In Italian.) Zootec. e Vet. 7:445-449. Nov./Dec.1952. 41.8 Z7
English summary.

64353 PINO, N., and BIONDO, G. Investigations and considerations on the hormonal castration of mammiferous. (In Italian.) Zootec. e Vet. 8:34-44. (Cont.) Feb.1953. 41.8 Z7
Tests with sheep.

64354 POPE, A. L. Why lambs die on early pasture. Wis. Coop. Wool Growers News 18(10):4. May 1953. 280.28 W882
Enterotoxemia.

64355 PRICE, D. A. Management of ruptured bladder in a sheep. Sowest. Vet. 6:260. Spring 1953. 41.8 So82

64356 RAFYI, A., and MIR CHAMSY, H. Epizootie ovine de septicémie à Streptococcus zooepidemicus en Iran; étude bactériologique, traitement. Acad. Vét. de France. B. 26:145-148. Feb.1953. 41.9 R24

64357 REILLY, J. Mulesing and tail stripping; proved measures for the prevention of crutch and tail strike in sheep. West. Austral. Dept. Agr. J. (ser.3)2:5-9,11,13,15-17,19-21,23-25. Jan./Feb.1953. 23 W52J
Control of blowfly.

64358 RICHARDSON, K. C. Measurement of the total area of secretory epithelium in the lactating mammary gland of the goat. J. Endocrinol. 9:170-184. Apr.1953. 448.8 J8293

64359 ROBINSON, D. H. Two sheep ailments ended; how "pine" and "swayback," mysterious and ancient scourges of the shepherd, were tracked down and overcome. Field 201:761. May 7,1953. 10 F45
Cobalt and copper deficiencies.

64360 ROTHERY, P., and BELL, J. M. Some physiological aspects of cobalt and vitamin B_{12} in sheep. I. Distribution of radiocobalt in tissues and ingesta. Canad. Soc. Anim. Prod. Proc. 1952:101-104. Ref. 49.9 Ea72

64361 VELDSMAN, D. P. Chemical investigation of Pachystigma pygmaeum Schlechter (gousiektebossie). Onderstepoort J. Vet. Res. 25(4):113-121. Dec.1952. 41.8 On1
Toxicity to sheep.

64362 VISCONTINI, V. Les strongyloses ovines. Élevage et Cult. 5(51):16-17. Mar.1953. 24 EL2

64363 WATSON, D. F. Anavenol K, its use as a general anesthetic in sheep. No. Amer. Vet. 34:334-335. May 1953. 41.8 N812

64364 WEISS, K. E., HAIG, D. A., and ALEXANDER, R. A. Aureomycin in the treatment of heartwater. Onderstepoort J. Vet. Res. 25(4):41-50. Dec.1952. 41.8 On1
Tests with sheep.

64365 WHITEHAIR, C. K., GALLUP, W. D., and BELL, M. C. Effect of stilbestrol on ration digestibility and on calcium, phosphorus and nitrogen retention in lambs. J. Anim. Sci. 12:331-337. Ref. May 1953. 49 J82

64366 WILSON, A. L., and others. Helminthological investigations on an Argyllshire hill farm. Brit. Vet. J. 109:179-190. May 1953. 41.8 V643
D. O. Morgan, I. W. Parnell, and C. Rayski, joint authors.
Sheep.

64367 WORDEN, A. N., and JACKSON, A. F. Field trials with a sheep dip containing D.D.T. and benzene hexachloride in micro-crystalline form. Brit. Vet. J. 109:190-198. Ref. May 1953. 41.8 V643

64368 YOUNG, S. Preliminary report on a Brucella infection in a ewe. Vet. Rec. 65:247-248. Apr.18,1953. 41.8 V641

Miscellaneous

64369 BOSMAN, S. W. Woolfat—an important element of the fleece. Merino Breeders' J. 15(2):8,10. Apr.1953. 45.8 So8
Effects of breeding and feeding.

64370 CREPIN, P. Trente ans au service de la cause caprine; le trentenaire du Club de la Chèvre de Race Pure. Mouton 8:37-38. Apr.1953. 45.8 M86

64371 GALINDO, A. De ganadería lanar—carneros. Ceres [Valladolid] 18(202):17. Apr.1953. 15 C33

64372 HOGAN, C. A. Se solucionarán los problemas de las explotaciones ovinas. (Excerpts.) Pampa Argentina 26(303):15,26. Mar.1953. 9 P19

64373 ILLINGWORTH, J. There's more money in mutton. Farmers Wk. [London] 38(19):57-59. May 8,1953. 10 F2226
Sheep raising in Scotland.

64374 MACKENZIE, D. We keep goats. Farmer [Shaftesbury] 8:20-21,25. Spring 1953. 10 F2282
Care.

64375 NEVADA. STATE BOARD OF SHEEP COMMISSIONERS. Biennial report July 1, 1950, to June 30, 1952, inclusive. Carson City,1952. 8 p. 45.9 N41

64376 NORTON, J. M. Making the most of the wool clip; some points to note during and after shearing. Farmers' Gaz. 111:559. May 9,1953. 10 F221

64377 NORTON, J. M. Why do farmers use tar in branding? Some aspects on a situation which is holding up the wool industry. Farmers' Gaz. 111:480. May 2, 1953. 10 F221

64378 PENTON, A. Goats are tops organically. Org. Farmer 4(9):24-26,51. Apr.1953. 57.8 Or3

64379 RUSSELL, G. Sheep, a bet for the South. Livestock Wk. 7(26):14-15,28. May 1953. 49 L753

64380 SANDE, E. Ullundersøkelser fra utstillingene 1948,1949 og 1950. Wool researches. Rams exhibited at the shows 1948,1949 and 1950. Norges Landbrhøgsk. Inst. f. Avls- og Raselaere. Meld. 60,70 p. Feb.6,1952. 46.9 N76
English summary.

64381 SARAZA ORTIZ, R. Plaidoyer en faveur de la chevre. Élevage et Cult. 5(51):13-15. Mar.1953. 24 EL2

64382 SHIELDS, J., and SHIELDS, H. Pigs and cream. Brit. Goat Soc. Ybk. 1953:17,19. 40.19 B77
Utilization of goat's milk by feeding pigs and marketing cream.

64383 ÞORBERGSSON, J. H. Sheep farming in Thingeyjar. (In Icelandic.) Freyr 48:106-110. Mar.1953. 11 F89

SWINE

Breeds and Breeding

64384 ESTEBAN, M. El cerdo, sus razas, explotación y enfermedades. Cooperación [Madrid] 132:20-21. (Cont.) Feb.1953. 280.28 C7875

64385 FINE, N. C., and WINTERS. L. M. Selection for an increase in growth rate and market score in two inbred lines of swine. J. Anim. Sci. 12:251-262. Ref. May 1953. 49 J82

64386 FORSHAW, R. P., and others. The growth of Duroc suckling pigs raised in drylot. J. Anim. Sci 12: 263-270. Ref. May 1953. 49 J82
H. M. Maddock, P. G. Homeyer, and D. V. Catron, joint authors.

64387 FREDEEN, H. T. Selection and swine improvement. Canad. Soc. Anim. Prod. Proc. 1952:60-65. 49.9 Ea72
Through breeding.

64388 MAKITA, N. Colour inheritance in swine. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:47-63. 1952. 107.6 Iw92
English summary.

64389 LES NOUVELLES races porcines américaines. Rev. de l'Elevage 8:440,443,445,447. May 1953. 49 B462
Minnesotas and others.

64390 OLSSON, B. Artificial insemination of pigs. (In Swedish.) Ladugården 3:79. Mar.1953. 44.8 L12

64391 SHEPHERD, H. Has the Wessex Saddleback improved? Pig Breeders' Gaz. 73:44-46. Apr.1953. 46.8 N21

64392 TRULSSON, G. New regulations for the furthering of swine breeding. (In Swedish.) Ladugården 4:103-106. Apr.1953. 44.8 L12

64393 WALDERN, D. E., and WOOD, A. J. The growth curve of the Yorkshire pig. Canad. Soc. Anim. Prod. Proc. 1952:96-100. 49.9 Ea72
Feeding.

64394 WALLACE, H. D. Make next year's hog herd better. Farm & Ranch—South Agr. Upper So. Ed. 83(6): 17. June 1953. 6 T31
Breeding.

64395 WINAERS, L. M. Cruzamiento porcino en Estados Unidos. Res 21:27709-27710. Jan.5,1953. 286.85 R31

64396 WINTERS, L. M. Minnesota swine breeders anticipated the present demand for leaner pork. Minn. Farm & Home Sci. [Minn. Sta.] 10(3):18-19. May 1953. 100 M668

64397 WOLFSEGGER, L. Zuchtregeln bei schweinen. Bauer 6(15):10-12. Apr.11,1953. 19 B32
Austria.

Feeds and Feeding

64398 ACKER, D., and CATRON, D. V. Build a better pig starter. Feed Age 3(5):22-27,33. May 1953. 389.78 F327

64399 AMSCHLER, J. W., and PAMMER, H. Schweineschnellmastversuch mit Aurofac-2A. Bodenkultur 6:333-340. 1952. 19 B635

64400 BARBER, R. S., BRAUDE, R., and MITCHELL, K. G. Antibiotics and endocrine stimulants as promoters of growth in fattening pigs. Chem. & Indus. 17:410. Apr. 25,1953. 382 M31C

64401 BLOUNT, W. P. Antibiotic feed tests. Farmers Wk. [London] 38(17):71,73. Apr.24,1953. 10 F2226
Tests with swine.

64402 BOHLEN. Was besagen die schweinemastleistungsprüfungen? Landwirtbl. Weser-Ems 100:487-488. Apr.30,1953. 18 L2345

64403 BOWLAND, J. P. Antibiotic supplements for bacon hogs. Canad. Soc. Anim. Prod. Proc. 1952:85-89. 49.9 Ea72
Carcass quality.

64404 BRAUDE, R. Antibiotics in pig production. Pig Breeders' Gaz. 73:30-31,33. Apr.1953. 46.8 N21

64405 BRAUDE, R., and JOHNSON, B. C. Effect of aureomycin on nitrogen and water metabolism in growing pigs. J. Nutr. 49:505-512. Mar.10,1953. 389.8 J82

64406 BRAUDE, R., WALLACE, H. D., and CUNHA, T. J. The value of antibiotics in the nutrition of swine: a review. Antibiotics & Chemother. 3:271-291. Ref. Mar.1953. 396.8 An8

64407 CATRON, D. V. Baby pigs have a sweet tooth. Grain & Feed J. Consolidated 110(9):30-31. May 13,1953. 298.8 G762

64408 CATRON, D. V. Recent advances in swine nutrition. Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:10-23. Ref. Apr.1953. 281.8 Am32

64409 CORRIE, F. E. Feeding farm animals. 69. Feeding pigs. Fert. Feed. Stuffs & Farm Supplies J. 39: 323-325. Apr.29,1953. 57.8 F413

64410 DAMMERS, J. Demonstration on the quantity of protein necessary in the feeding of swine. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:174-175. Apr.1953. 12 N383M

64411 DESCAMPEAUX, and CRAPLET. Nouvel aliment complet. Rec. de Méd. Vét. 128:624-627. Oct.1952. 41.8 R24
Feeding system for swine.

64412 EGGERT, R. G., BRINEGAR, M. J., and ANDERSON, C. R. The quality of protein of normal and high protein corn for growing swine. J. Anim. Sci. 12: 282-290. Ref. May 1953. 49 J82

64413 FERRIOT, A., QUENTIN, J., and ROBERT, J. Vitamine B_{12} et antibiotiques dans la nutrition animale. II. Essai dans l'élevage du porc. Rec. de Méd. Vét. 129: 226-238. Apr.1953. 41.8 R24

64414 GOBBLE, J. L., and MILLER, R. C. Soft phosphate with colloidal clay in rations for swine. Pa. Agr. Expt. Sta. Prog. Rpt. 93,4 p. Feb.1953. 100 P381P

64415 GROSSMANN, J., OLIVEIRA, W. M. DE., and CREMER, C. L. Experiment on different systems of fattening swine. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:284-299. Oct./Dec.1952. 9.2 R325

64416 HEGENER, H. Antibiotica und vitamin B_{12} in der schweinemast. (Sum.) Ausbild. u. Beratung in der Landwirt. 6:71-72. Apr.1953. 18 N11

64417 KRUGER, L., and BIEDERMANN, F. Hackfruchtschnellmast unter verwendung von molkeneiweiss. Futter u. Fütterung 29:221-224. Apr.1953. 389.78 F98
For swine.

64418 KUBLITZ, M. Stallmastleistungsprüfung in Südhannover. Deut. Landwirt.-Gesell. Mitt. 68:405-407. Apr.23,1953. 18 N39

64419 LEHRER, W. P., and others. Growth effects of some antibiotics on suckling, growing, and fattening pigs. J. Anim. Sci. 12:304-309. May 1953. 49 J82
E. R. Pharris, W. R. Harvey, and T. B. Keith, joint authors.

64420 LOHR, L. Betriebswirtschaftliche fragen der schweinemast. Kärntner Bauer 103:191-196. May 1, 1953. 19 K14

64421 MEREGALLI, A. Research in swine nutrition. (In Italian.) Riv. di Zootec. 26:89. Mar.1953. 49 R52

64422 OHL, R. Uber die verfütterung von rohen, gemusten kartoffeln in der schweinemast. Deut. Landwirt. 4:213-215. Apr.1953. 18 D4822
Russian Zone.

64423 OLOFSSON, E. Experiments with sugar beets for young pigs and pigs to be fattened. (In Swedish.) Försök och Forsk. 9:84-86. Nov./Dec.1952. 11 F77

64424 OWTRAM, I. H. Fodder beet for feeding pigs. New Zeal. J. Agr. 86:219-220. Mar.16,1953. 23 N48J

64425 PERRY, T. W., BEESON, W. M, and VOSTEEN, B. W. The effect of an antibiotic or a surfactant on the growth and carcass composition of swine. J. Anim. Sci. 12:310-315. Ref. May 1953. 49 J82

64426 PETERSEN, F. H. Report on feeding experiments etc. at the conference of the Cooperative Danish Slaughterhouses. (In Danish.) Andelsbladet 54: 405-414. Apr.23,1953. 280.28 An2
Includes discussion.
Swine.

64427 ROBISON, W. L. Vitamin B-12 supplements for growing and fattening pigs. Ohio. Agr. Expt. Sta. Res. B. 729,19 p. Ref. Apr.1953. 100 Oh3S

64428 SACCO, P. Utilization of whey in the fattening of swine. (In Italian.) Terra e Sole 128:147-148. Apr. 1953. 16 T273

64429 SCHAPER, G. Über die notwendigkeit ausreichender mineralstoffversorgung bei der verabreichung hochdosierter östrogene. Deut. Tierärztl. Wchnschr. 60: 191-193. Ref. May 1,1953. 41.8 D482
In swine.

64430 SCHOENEICH. Schweinemast-leistungsprüfung und geflügel-kontrollhof in Weser-Ems. Tierzüchter 5:167-169. Apr.5,1953. 49 T445

64431 SEWELL, R. F., and others. The quantitative threonine requirement of the suckling pig. J. Nutr. 49: 435-441. Ref. Mar.10,1953. 389.8 J82
J. K. Loosli, L. A. Maynard, H. H. Williams, and B. E. Sheffy, joint authors.

64432 SQUIBB, R. L., and others. Effect of aureomycin and vitamins on growth and blood constituents of pigs fed corn and banana rations. J. Anim. Sci. 12:297-303. Ref. May 1953. 49 J82
E. Salazar, M. Guzman, and N. S. Scrimshaw, joint authors.

64433 TINDALL, C. Feeder pig sales prove great success. Mo. Ruralist 94(8):4-5,21. Apr.25,1953. 6 R8891

64434 TOTUSEK, R., and BEESON, W. M. The nutritive value of wood charcoal for pigs. J. Anim. Sci. 12: 271-281. Ref. May 1953. 49 J82

64435 TSCHIDERER, K., and MULLER, I. Die wichtigsten ergebnisse der 1. und 2. mast- und schlachtleistungsprüfung. Landwirtschaft 7/8:138-140. Apr.1953. 19 L235
Swine in Austria.

64436 WALLACE, H. W., and others. Effects of reducing and discontinuing aureomycin supplementation during the growing-fattening period of pigs fed corn-peanut meal, corn-soybean meal, and corn-cottonseed meal rations. J. Anim. Sci. 12:316-321. May 1953. 49 J82
L. T. Albert, W. A. Ney, G. E. Combs, and T. J. Cunha, joint authors.

64437 WAYMAN, O., and LEONG, K. C. Sugar by-products show promise as swine feed. Hawaii Farm Sci. [Hawaii Sta.] 1(5):4-6. Apr.1953. 100 H314
Molasses and bagasse pith.

64438 WILSON, G. D., and others. Pork carcass value as affected by protein level and supplementation with aureomycin and vitamin B_{12}. J. Anim. Sci. 12:291-296. May 1953. 49 J82
J. E. Burnside, R. W. Bray, P. H. Phillips, and R. H. Grummer, joint authors.

64439 WORDEN, A. N., and BUNYAN, J. The administration of methyl thiouracil ("Obesil") to fattening pigs. Brit. Vet. J. 109:154-160. Ref. Apr.1953. 41.8 V643

Veterinary Medicine

64440 BRENNAN, A. D. J. Anthrax, with special reference to the recent outbreak in pigs. Vet. Rec. 65: 255-258. Apr.25,1953. 41.8 V641

64441 BUXTON, J. C., and BROOKSBANK, N. H. Haemolytic disease of new-born pigs caused by isoimmunisation of pregnancy. Vet. Rec. 65:287-288. May 9,1953. 41.8 V641

64442 CLARK, C. F., and BULLARD, J. F. Television broadcast—repair of hernias in pigs. Amer. Vet. Med. Assoc. Proc. 89:337-340. 1952,pub.1953. 41.9 Un3

64443 CONTACTGROEP OPVOERING PRODUCTIVITEIT. Varkensziekten en enkele andere dierziekten in Amerika; rapport Studiegroep Veeteelt [Hog diseases and some other livestock diseases in America; report by the Study Group on Cattle Farming]. 's-Gravenhage,1952? 44 p. 41 C7672
English summary.

64444 DANKS, A. G., and CHAMBERS, E. E. Television broadcast—demonstration of bleeding large and small hogs. Amer. Vet. Med. Assoc. Proc. 89:96-97. 1952,pub.1953. 41.9 Un3

64445 ENGLERT, H. K. Enzootische schweinepest beim schwarzwild im Odenwald. Tierärztl. Umschau 8: 124-127. Apr.1953. 41.8 T445

64446 FIELD, H. I., BUNTAIN, D., and JENNINGS, A. R. Terminal or regional ileitis in pigs. J. Compar. Path. & Ther. 63:153-158. Apr.1953. 41.8 J82

64447 FOURNIER, J., LAJUDIE, P. DE, and BRYGOO, E. R. Enquête sur les Salmonelles chez les porcs à Saigon. Inst. Pasteur. Ann. 84:792-796. Apr.1953. 448.3 An75

64448 GARTON, G. A., and NAFTALIN, J. M. Massive oedema (exudative diathesis) in pigs fed on a diet rich in cod-liver oil. Vet. Rec. 65:262-263. Apr.25,1953. 41.8 V641

64449 GOLDSTEIN, H. E. Progress of atrophic rhinitis studies. Vet. Med. 48:223. June 1953. 41.8 M69

64450 GRAY, C. W. Hog cholera vaccines, modified live virus. Norden News 27:8-9,15. Mar./Apr.1953. 41.8 N75

64451 GREENEISEN, J. Garbage feeding, hotbed for disease. Ohio. State U. Agr. Student 59(4):4,18. Apr.1953. 6 Ag84
Vesicular exanthema in swine.

64452 GREGORY, K. E., and DICKERSON, G. E. Influence of heterosis and plane of nutrition on rate and economy of gains, digestion and carcass composition of pigs. Mo. Agr. Expt. Sta. Res. B. 493,48 p. Apr.1952. 100 M693

64453 HARVEY, M. J., and COOPER, F. S. Simultaneous vaccination with modified live hog cholera vaccine and hog cholera antiserum. Amer. Vet. Med. Assoc. J. 122:397-399. May 1953. 41.8 Am3

64454 HOLZ, W. Zur frage der rotlauf-schutzimpfung: warum tot-impfstoff? Tierärztl. Umschau 8:134-135. Apr.1953. 41.8 T445

64455 HOURS, L. E. Inmunización contra el cólera porcino. Res 20:27551-27552,27555. Nov.20,1952. 286.85 R31

64456 HUTCHINGS, L. M. Swine brucellosis—its importance to human health. Amer. Vet. Med. Assoc. Proc. 89:389-390. 1952,pub.1953. 41.9 Un3

64457 HUTTER, K. Erfahrungen über die übertragung der schweinepest von wildschweinen auf hausschweine. Monatsh. f. Vetmed. 8:109-112. Ref. Mar.15, 1953. 41.8 M742

64458 JANSEN, B. C. The occurrence of Eperythrozoon parvum Splitter, 1950 in South African swine. Onderstepoort J. Vet. Res. 25(4):5-6. Dec.1952. 41.8 On1

64459 LUCAS, I. A. M., and THOMSON, W. The effect of flooring upon pigs reared in an otherwise cold environment. J. Agr. Sci. 43:192-198. Apr.1953. 10 J822

64460 MCCORMICK, W. C. A better way to castrate pigs. Prog. Farmer, Tex. Ed. 68(5):80B. May 1953. 6 T311

64461 MAURER, H. J. Verhütung der ferkelaufzuchtkrankheiten mit "Eviterpa" Doenhardt. Tierärztl. Umschau 8:133-134. Apr.1953. 41.8 T445

64462 NESENI, R. Herabsetzung der ferkelverluste. Monatsh. f. Vetmed. 8:139-145. Ref. Apr.1,1953. 41.8 M742
Feeding of sows.

64463 PASQUINI, D. On some aspects of the pathology of swine. (In Italian.) Zooprofilassi 8:98-101. Mar.1953. 41.8 Z72

64464 PETERSEN, W. W. Keep the digestion of the sow in order. (In Danish.) Dansk Landbr. 72:207-208. Apr.23,1953. 280.28 V91

64465 POMEROY, R. W. Studies on piglet mortality. I. Effect of low temperature and low plane of nutrition on the rectal temperature of the young pig. J. Agr. Sci. 43: 182-191. Apr.1953. 10 J822

64466 QUIN, A. H. Some incidents and accidents in swine practice. Jen-Sal J.,May 1953:4-6. 41.8 J45

64467 SCHEINER, A. Erfahrungen über die blutentnahme bei schweinen. Deut. Tierärztl. Wchnschr. 60: 169-171. Ref. Apr.15,1953. 41.8 D482

64468 SLEETH, R. B., and others. Effects of injection of testosterone, estradiol and a combination of the two upon growing-fattening swine. J. Anim. Sci. 12: 322-330. Ref. May 1953. 49 J82
A. M. Pearson, H. D. Wallace, D. H. Kropf, and M. Koger, joint authors.

64469 STEELMAN, S. L., and others. Fractionation of the swine follicle stimulating hormone. Soc. Expt. Biol. & Med. Proc. 82:645-647. Apr.1953. 442.9 So1
W. A. Lamont, W. A. Dittman, and E. J. Hawrylewicz, joint authors.

64470 SUSSMAN, O. State problems in the control of garbage-borne diseases. Amer. Vet. Med. Assoc. J. 122: 354-356. May 1953. 41.8 Am3
Swine.

64471 U. S. BUR. OF ANIMAL INDUSTRY. Tentative revision of vesicular exanthema eradication program; prepared for discussion with representatives of industry and state officials. Washington,1953. 5 p. 1.972 A2T262

64472 WEIDENMÜLLER, H. Ein beitrag zur pathologisch-anatomischen schweinepestdiagnose. Berlin. u. Munch. Tierärztl. Wchnschr. 66:108-110. Ref. Apr.1, 1953. 41.8 B45
English summary.

64473 YOUNG, J. E. Hidden losses in pork production. Agrarian 12(2):28,32. Spring 1953. 276.8 Ag8
Worms.

64474 ZIEGER, W. Atypischer milzbrand bei schweinen. Monatsh. f. Tierheilk. 5:79-88. Ref. 1953. 41.8 M74

Miscellaneous

64475 AKMAR, E. A. Sus-svinet, stambok och kulturhistoria [Sus- the swine, genealogy and cultural history]. Uppsala,Wretmans,1953. 74 p. 46 Ak5

64476 ALBERTA. UNIVERSITY. FACULTY OF AGRICULTURE. DEPT. OF ANIMAL SCIENCE. Swine production in Alberta. Alberta. U. Facul. Agr. B. 22,ed.8, 100 p. Dec.1952. 101 AL1B

64477 BERTSCH, M. Pig hatcheries' key to success; they take plenty of capital, sanitation, sensible management. Prairie Farmer, Gen. Ed. 125(10):28-29. May 16, 1953. 6 P883

64478 CALDER, A. More and better pigs needed. Farmers Annu. 1953:50-52. 10 F2237

64479 CLAUSEN, H. Report on the results of the swine research stations. (In Danish.) Andelsbladet 54: 371-376. Apr.16,1953. 280.28 An2

64480 DES ILES, T. A. Our annual pig loss is too great. Agr. Soc. Trinidad & Tobago. J. 52:389-391. Dec.1952. 8 T73

64481 DYRENDAHL, S. Baby pig—without a mother; new method for artificial raising of baby pigs. (In Swedish.) Ladugarden 3:68-72. Mar.1953. 44.8 L12

64482 HENRIQUES, P. A. DE M. An example of intensive swine raising in Minas—its history from 1929 to 1953. (In Portuguese.) Chacaras e Quintais 87:338-339. Mar.15,1953. 9.2 C34

64483 MURPHY, L. W. 1,000,000 hogs without a loss. Natl. Provisioner 128(19):53-54. May 9,1953. 286.85 N21
Slaughtering hogs anesthetized with carbon dioxide.

64484 POPKEN. Die ferkelverluste und deren verhütung. Landwirtbl. Weser-Ems 100:412-413. Apr.9, 1953. 18 L2345

64485 STOTHART, J. G. The Canadian Advanced Registry policy: its use and misuse. Canad. Soc. Anim. Prod. Proc. 1952:54-59. 49.9 Ea72
Swine.

64486 WAITT, W. Pigs the year 'round. Purdue Agr. 44(7):5,20-21. Apr.1953. 6 P97
Hatcheries.

64487 WEBER, O. Aufzuchtkrankheiten beim schwein. Grüne 81:481-483. May 1,1953. 17 Sch9

ENTOMOLOGY

GENERAL

64488 BAYNES, E. S. A. Report on migrant insects in Ireland for 1952. Irish Nat. J. 11:45-47. Apr.1953. 410 Ir42

64489 CATALOGUS insectorum Sueciae, additamenta ad partes I—X. Opusc. Ent. 18:69-88. 1953. 421 Op7

64490 CHILSON, L. M. Insect records from Johnston Island. Hawaii. Ent. Soc. Proc. 15:81-84. 1942,pub. Mar.1953. 420 H312

64491 CLARK, E. W., and CRAIG, R. The calcium and magnesium content in the hemolymph of certain insects. Physiol. Zool. 26:101-107. Ref. Apr.1953. 410 P56

64492 DAVIS, C. J. New host and insect records from the Island of Hawaii. Hawaii. Ent. Soc. Proc. 15:85-86. 1952,pub.Mar.1953. 420 H312

64493 DE MEILLON, B., and ZUMPT, F. Restriction of types. Ent. Soc. South. Africa. J. 14:150-151. Nov.30, 1951. 420 En86

64494 DOCTERS VAN LEEUWEN, W. M. New galls from the Netherlands. III. (In Dutch.) Ent. Ber. 14:257-265. May 1,1953. 420 N38B

64495 FREY, G. Entomologische eindrücke aus Südafrika und dem Kongo. Mus. G. Frey. Ent. Arb. 3:710-718. 1952. 420 M923

64496 GEORGE, W. Some animal reactions to variations of temperature. Endeavour 12:101-105. Apr.1953. 472 En2
Includes insects.

64497 GOLBACH, R. Notas sobre algunos insectos teratológicos. Acta Zool. Lilloana 10:189-198. 1952. 410 Ac82
Includes Phasmida, Lepidoptera, Odonata, and Coleoptera.

64498 GOULLIART, M. Théorie du cône cristallin dans la vision en mosaïque chez l'insecte. Acad. des Sci. Compt. Rend. 236:1508-1510. Apr.13,1953. 505 P21

64499 GREEN, J. Records of peritrichs (protozoa, ciliata) on aquatic insects. Ent. Mon. Mag. 89:107. Ref. May 1953. 421 En86

64500 HAGAN, H. R. Balanced and unbalanced evolutionary sequences with observations on the hazards to fertilization in insects. Biol. Rev. 15:19-24. Mar. 1953. 442.8 B5225

64501 HAWAIIAN ENTOMOLOGICAL SOCIETY. Proceedings for 1952. Honolulu,1953. 261 p. 420 H312

64502 HIGHTOWER, B. G., LEHMAN, V. W., and EADS, R. B. Ectoparasites from mammals and birds on a quail preserve. J. Mammal. 34:268-271. May 1953. 410 J823

64503 HOLLAND, G. P. Systematic Entomology Unit, 1919-1953. Canada. Sci. Serv. Div. Ent. News-let. 31(5):2-3. May 1,1953. 423.92 C16

64504 HOWE, R. W. The rapid determination of the intrinsic rate of increase of an insect population. Ann. Appl. Biol. 40:134-151. Ref. Mar.1953. 442.8 An72

64505 HOYLE, G. Potassium ions and insect nerve muscle. Expt. Biol. J. 30:121-135. Ref. Mar.1953. 442.8 B77

64506 IBARRA GRASSO, A. Construcción de bisturies para laboratorio. Soc. Ent. Argentina. Rev. 15:294-296. Dec.31,1952. 420 So14

64507 INSTITUT FRANÇAIS D'AFRIQUE NOIRE. La réserve naturelle intégrale du Mt. Nimba. 1. Inst. Franç. d'Afrique Noire. Mém. 19,334 p. Ref. 1952. 515 D14M
Contents: Preface, by T. Monod; I, Scorpions, by M. Vachon; II, Pseudoscorpions, by M. Vachon; III, Coléoptères Buprestidae, by A. Descarpentries; IV, Coléoptères Cerambycidae, by P. Lepesme and St-Breuning; V, Coléoptères Histeridae, by J. Thérond; VI, Coléoptères Cicindelidae, by E. Rivalier; VII, Coléoptères Carabidae, by P. Basilewsky; VIII, Coléoptères Carabidae Pterostichinae, by S. L. Stranéo; IX, Lépidoptères Lycaenidae, by H. Stempffer; X, Diptères, by E. Séguy; XI, Hyménoptères Formicidae, by F. Bernard; XII, Hyménoptères Vespiformes, by L. Berland; XIII, Hydrocorises, by R. Poisson; XIV, Hémiptères Hétéroptères terrestres, by A. Villiers; XV, Poissons, by J. Daget.
Includes new species in Goniochernes, Ectromachernes, Synaptola, Oxyprosopus, Oxylamia, Monochamus, Dichostates, Sophronisca, Sophronica, Anauxesis, Anauxesida, Tetraglenes, Obereopsis, Oberea, Abacaelostus n. g., Caelostomus, Mallopelmus, Colpodichius n. g., Melanchiton, Pseudaletis, Neosolva n. g., Chrysozona, Tabanocella, Microdon, Chrysomyza, Pyrellia, Chrysomyia, Platythyrea, Bothroponera, Euponera, Ponera, Lepidopone n. g., Psalidomyrmex, Anochetus, Cerapachys, Phyracaces, Dorylus, Aenictus, Tetraponera, Pheidole, Crematogaster, Monomorium, Epixenus, Nimbamyrma n. g. Terataner, Meranoplus, Tetramorium, Triglyphothrix, Strumigenys, Paratrechina, Tenagogonus, Anisops and Sigara.

64508 JANSSENS, E. Zoogéographie et convergence. Inst. Roy. des Sci. Nat. de Belg. B. 28(51),21 p. Sept. 1952. 504 B835B
Includes insects.

64509 KRAUSS, N. L. H. Insects and other invertebrates from Palmyra Atoll and Christmas Island. Hawaii. Ent. Soc. Proc. 15:217-220. 1952,pub.Mar.1953. 420 H312

64510 LEVER, R. J. A. W. Faunal speciation in New Georgia, Solomon Islands. Pacific Sci. 7:250-251. Apr. 1953. 475 P11
Includes insects.

64511 MEYMERIAN, A. The historical development of entomology in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:459-468. Apr./June 1953. 22.5 Ir1
English summary, p. 13.

64512 MÓCZÁR, M. Beiträge zur kenntnis der insektenfauna von Kudsir-hochgebirges (Mtii Sebesiului). (In Hungarian.) Folia Ent. Hungarica (n.s.)5:129-140. 1952. 420 So12
German summary.

64513 SCHAEFER, L. Saint-Guilhem-le-Désert (Hérault), localité entomologique remarquable. Entomologiste 8:136-150. 1952. 421 En814

64514 SCHALLER, F. Eigentümliche fortpfanzungsweisen im tierreich. Leben u. Umwelt 9:149-155. Apr. 1953. 410 L49
Includes Arthropods.

64515 TIEL, N. VAN. Symbiosis between insects and microorganisms. (In Dutch.) Tijdschr. v. Ent. 95:T84-T87. Dec.20,1952. 421 T21

64516 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Directory of the Bureau of Entomology and Plant Quarantine. Washington,1953. 98 p. 1.9 En86Di

64517 USINGER, R. L., and LA RIVERS, I. The insect life of Arno. Natl. Res. Council. Pacific Sci. Bd. Atoll Res. B. 15,28 p. Apr.30,1953. 500 N215

64518 VILLIERS, A. Contribution à l'étude du peuplement de la mauritanie; note sur la faune aquatique et ripicole de l'adrar mauritanien. Inst. Franç. d'Afrique Noire. B. 15:631-646. Apr.1953. 515 D14
Includes insects.

64519 ZUMPT, F. Ectoparasites of bats from the Sterkfontein Caves, Transvaal. Ent. Soc. South. Africa. J. 13:87-98. Ref. Sept.30,1950. 420 En86
Mites, fly larvae, and fleas, including new species in Hirstesia, Spinturnix, and Periglischrus.

GENERAL - ECONOMIC

64520 ALLMANN, S. L. Modern insecticides, equipment and pest control. Austral. Food Mfr. & Distrib. 22(9):12,14. Apr.6,1953. 389.8 Au7

64521 ARAUJO E SILVA, O. B. DE. Fumigation chamber for seeds. (In Portuguese.) Lav. e Criação 7(44):42-43. Nov.1952. 49 L392

64522 ARNASON, A. P. Chemicals fight insect pests of Prairie field crops. Agr. Inst. Rev. 8(2):6-7. Mar./Apr.1953. 7 Ag8

64523 BAKKER, M. Transmission of plant diseases by insects. (In Dutch.) Tijdschr. v. Ent. 95:T78-T84. Dec.20,1952. 421 T21

64524 BARBOSA, A. J. DA S. Notas breves sobre o panorama entomológico de campanha algodoeira de 1951-1952 [Short notes on the entomological panorama of the cotton campaign of 1951-1952]. Cent. de Invest. Cient. Algodoeira. Mem. e Trab. 6,16 p. 1952. 72.9 L93M

64525 BARTLETT, F. A. The leaf miner menace. Pop. Gard. [Albany] 4(5):50-51,80-81. May 1953. 80 P812

64526 BOHL, C. Control de plagas y enfermedades en árboles frutales. Serv. Coop. Interamer. de Prod. de Aliment. Ser. Inform. Téc. 67,32 p. Aug.1952. 9.8 Se6

64527 BÖHM, H. Nützlingsschutz ist notwendig! Pflanzenarzt 6(spec.no.3):5-6. Apr.1953. 464.9 P482
Birds and predatory insects.

64528 BRANN, J. L., and PALM, C. E. Low volume application for vegetable crops. Agr. Inst. Rev. 8(2):70-72. Mar./Apr.1953. 7 Ag8
Insecticides and fungicides.

64529 BRITISH FOOD MANUFACTURING INDUSTRIES RESEARCH ASSOCIATION. References on substances used as fumigants and insecticides for cocoa, dried fruits, and nuts. Brit. Food Mfg. Indus. Res. Assoc. Tech. C. 42,24 p. Dec.1952. 389.9 B773J

64530 BROWN, A. W. A. Future trends. Agr. Inst. Rev. 8(2):82-84. Mar./Apr.1953. 7 Ag8
Insecticides in Canada.

64531 BUTOVITSCH, V. Forest research. (In Swedish.) Skogen [Stockholm] 40:50*-51*. Apr.15,1953. 99.8 Sk51
Control of forest pests.

64532 CALIFORNIA DIV. OF FORESTRY. Forest insect conditions in California 1952. Sacramento,1953. 13 p. 423.9 C122
In cooperation with the U. S. Bureau of Entomology and Plant Quarantine, Forest Insect Laboratory, Berkely, Calif.

64533 CANADA. DEPT. OF AGRICULTURE. Rapport sommaire de l'inventaire des insectes forestiers de la province de Québec. Ottawa,1952. 21 p. 423.92 C163

64534 CARIDAD Y CORRAL, J. M. Saneamiento invernal de frutales. Balearic Isl. Diputación Prov. B. de Agr. 101:5. Feb.1953. 15 B19
Pest control.

64535 CHEFURKA, W. Ultimate effects of insecticides on pests. Agr. Inst. Rev. 8(2):49-51. Ref. Mar./Apr. 1953. 7 Ag8
Physiological action and insect resistance.

64536 COTTON INSECT CONTROL CONFERENCE, 6. MEMPHIS, 1952. Proceedings. Memphis,1953? 89 p. 423.9 C82
Sponsored by National Cotton Council of America.

64537 DAVID, W. A. L., and GARDINER, B. O. C. Systemic insecticidal action of nicotine and certain other organic bases. Ann. Appl. Biol. 40:91-105. Ref. Mar. 1953. 442.8 An72

64538 DAWSON, J. C. Grain and mill sanitation trends. Amer. Miller & Processor 82(4):26,29,74-75,77-78,81. Apr.1953. 298.8 Am32
Insect control.

64539 DOYLE, J. A. Millions d'insectes, millions de dégâts. Ferme 14(8):22-24,102. Apr.1953. 7 F38
Plant pests.

64540 DUNKLER, O. Schädlingsbekämpfung in der gemüsepflanzenzucht. Deut. Landwirt.-Gesell. Mitt. 68: 379-381. Apr.16,1953. 18 N39

64541 DUNNAM, E. W. Cotton defoliation: a promising aid for insect control. Cotton Insect Control Conf. Proc. 6:35-39. 1952. 423.9 C82

64542 DUSTAN, G. G. Use of insecticides on fruit crops. Agr. Inst. Rev. 8(2):10-11,14. Mar./Apr.1953. 7 Ag8
Canada.

64543 DUTT, N. On the forecasting of epidemic outbreaks of the major insect pests of jute. Zool. Soc. Bengal. Proc. 5:71-81. Mar.1952. 410.9 Z73

64544 EBBINGE WUBBEN, G. J. H. Occurrence of insect resistance to insecticides. (In Dutch.) Tijdschr. v. Ent. 95:T62-T66. Dec.20,1952. 421 T21
Includes discussion.

64545 ENSMINGER, M. E. Control those parasites. Natl. Live Stock Prod. 31(7):8,12. May 1953. 280.38 N21
Insect pests of cattle and sheep.

64546 FISHER, R. C. New problems in the control of timber insects. Ann. Appl. Biol. 40:215-218. Mar.1953. 442.8 An72

64547 FISHER, R. C. Some present-day problems in timber entomology. 1-2. Timber Technol. 61:64-65,114-115. Feb.-Mar.1953. 99.81 T482

64548 FJELDDALEN, J. Systemic phophorus preparations against pests on ornamentals. (In Norwegian.) Gartneryrket 43:295-298. Apr.18,1953. 80 G1938

64549 FLUITER, H. J. DE. Insects as vectors of plant viruses. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 14:36-47. 1952. 12 N384

64550 FRANCO BETANCOURT, J. F. Determinación de granos infectados por insectos. Agrotecnia 8:51-54. Jan./Feb.1953. 8 Ag825

64551 FUTSCHIK, J. Auswirkungen der neuzeitlichen ungezieferbekämpfung auf die milchwirtschaft. Österr. Milchwirt. 8:97-99. Apr.21,1953. 44.8 Os72

64552 GAINES, J. C. New insecticides give better control of cotton insects. Crops & Soils 5(8):20-21. June/July 1953. 6 W55

64553 GATES, D. E. Knock out stored grain insects. Kans. Farmer 90(10):6,13. May 16,1953. 6 K13

64554 GEILER, H. Uber die möglichkeit der einrichtung eines schädlingswarndienstes in der DDR. Deut. Landwirt. 4:194-196. Ref. Apr.1953. 18 D4822

64555 GIBSON, G. G. Benefits to farmers from a unified cotton insect control program. Cotton Insect Control Conf. Proc. 6:3-4. 1952. 423.9 C82

64556 GLASS, E. H., and LIENK, S. E. Some reasons for good and poor insect control. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:60-65. 1953. 81 M384
Control of apple pests in New York.

64557 GRAY, H. E. Insecticides in the control of stored product pests. Agr. Inst. Rev. 8(2):12-14. Mar./Apr.1953. 7 Ag8
Canada.

64558 GRISON, P., and BILIOTTI, E. Conservation et prolifération des insectes auxiliaires dans certains peuplements forestiers. Acad. d'Agr. de France. Compt. Rend. 39:226-227. Feb.11/18,1953. 14 P215Bc

64559 GUNDERSON, H. Soil insects can be controlled. Hoard's Dairyman 98:431. May 10,1953. 44.8 H65

64560 HELLYER, A. G. L. The future of pest control. Country Life Annu.,Christmas 1952:154,157-158. 80 C835
Plant pests.

64561 HENZE, O. Der vogelschutz, wie er sich uns heute darstellt. Anz. f. Schadlingsk. 26:59. Apr.1953. 421 An9

64562 HERBERG, M. Vogelhege im walde. Wald 3: 59-61. Feb.1953. 99.8 W143
Natural control of insects.

64563 HESS, A. D. Current status of insecticide resistance in insects of public health importance. Amer. J. Trop. Med. & Hyg. 2:311-317. Ref. Mar.1953. 448.8 Am326

64564 HITCHNER, L. S. How industry helped in the liberation of the American farmers. Natl. Grange Mon. 50(5):6-7,23,46-47,50. May 1953. 6 N215
Chiefly on insecticides.

64565 HUNT, R. On guard for tobacco insects. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 68(5):22,163,165. May 1953. 6 P945K

64566 HUTCHINS, R. E., HAMNER, A. L., and BENNETT, A. G. Recommendations for control of cotton insects. Miss. Farm Res. [Miss. Sta.] 16(5):2,5. May 1953. 100 M69Mi

64567 INOUYE, Y., and TOMIZAWA, C. Insecticidal and fungicidal activities of some thiophene derivatives. (In Japanese.) Botyu-Kagaku 18:33-38. Ref. Feb.1953. 421 B65
English summary.

64568 IVY, E. E. Systemic insecticides. Cotton Insect Control Conf. Proc. 6:81-84. 1952. 423.9 C82
Cotton pest control.

64569 JEFFERSON, R. N., and MACK, G. E. Recent developments in orchid pest control. (Sum.) Orchid Digest 17:70-72. Mar./Apr.1953. 80 Or172

64570 JOHNSON, C. C. Facts on fumigation with chlorpicrin. Feeds Illus. 4(5):25-26. May 1953. 389.78 F326
Grain.

64571 JOHNSTON, H. G. Not a cure-all but systemics have a bright future. Farm Chem. 116(5):35-37. May 1953. 57.8 Am3

64572 JORDAN, C. R. Insect control in the home garden. Ga. Agr. Col. Ext. C. 373,8 p.-folder. Apr.1953. 275.29 G29C

64573 KAUFMANN, E. Der vogelschutz und seine bedeutung für die forstwirtschaft. Forstl. Mitt. 6:64-66. Mar.20,1953. 99.8 F7725
Birds and insects.

64574 KEEN, F. P. Forest insect research; its place in the forest protection program. West. Forestry & Conserv. Assoc. Proc. 43:49-50. 1952. 99.9 W522

64575 KELLY, G. W. Ten common insect pests. Green Thumb [Denver] 10(5):34-37. May 1953. 80 G82

64576 KING, H. Control of stored-wheat insects in Michigan. Nowest. Miller (Milling Prod. Sect.) 249(19): 12a-13a. May 12,1953. 298.8 N81

64577 KIRCHBERG, E. Neuere ergebnisse über das amerikanische insektizid heptachlor. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 40:257-259. Aug./Sept.1952. 449.8 Z36

64578 KLETT. Der heutige stand der biologischen bekämpfung in USA. (Abs.) Angew. Chem. 65:163. Mar. 21,1953. 384 Z33
Insects.

64579 KLOSTERMEYER, E. C. Pest control and pollination recommendations for alfalfa seed crops. Wash. State Col. Ext. C. 226,6 p.-folder. Apr.1953. 275.29 W27C

64580 KNOWLTON, G. F., and HANSON, W. J. Celery field insects of Utah. II. Utah. Agr. Expt. Sta. Mimeog. Ser. 399,10 p. May 1953. 100 Ut1Mi

64581 KNOWLTON, G. F., and others. Official fruit pest control recommendations for Utah--1953. Utah. State Agr. Col. Ext. C. 185,24 p. Apr.1953. 275.29 Ut1
G. H. Oberly, R. M. Bullock, C. J. Sorenson, F. B. Wann, and G. W. Cochran, joint authors.
Chiefly by sprays.

64582 KNOWLTON, G. F. Protect food from insects. Utah. State Agr. Col. Ext. M. S. 105,1 p. Apr.1953. 275.29 Ut1Ms

64583 KNOWLTON, G. F., and DORST, H. E. Tomato insect control recommendations. Utah. State Agr. Col. Ext. C. 193,2 p. Apr.1953. 275.29 Ut1

64584 KOKE, O. Alarm im walde; ein kleiner bilderbogen von waldschädlingen aus der insektenwelt. Übersicht 4:343-344. Apr.1953. 18 Ub3
Germany.

64585 KONEMANN, E. Zur praktischen schädlingsbekämpfung im biologischen obstbau. Bebauet die Erde, p.45. (Cont.) In Bionomica 4(3). Mar.1953. 463.8 B52

64586 KOTTE, W. Die baumspritzung nach der blüte. Bauern-Ztg. 6(15):5,8. Apr.17,1953. 18 B324
For insect control.

64587 KRAUSS, N. L. H. Notes on insects associated with Lantana [camara] in Cuba. Hawaii. Ent. Soc. Proc. 15:123-125. 1952,pub.Mar.1953. 420 H312

64588 KULASH, W. M. Stop those corn-eating insects. Res. & Farming [N. C. Sta.] 10(3):4-5. Winter 1952. 100 N81R
Fumigant experiments in storage places in North Carolina.

64589 LANGE, W. H., CARLSON, E. C., and BASKETT, R. S. Pests of red kidney beans. Calif. Agr. [Calif. Sta.] 7(4):11. Apr.1953. 100 C12Cag
Insect pest control.

64590 LANGE, W. H. Sugar beet pest control. Spreckels Sugar Beet B. 17:14-16. Mar./Apr.1953. 66.8 Sp7

64591 LIEBERMAN, F. V., and others. Recommendations for controlling alfalfa insects in Utah. Utah. State Agr. Col. Ext. C. 200,8 p. May 1953. 275.29 Ut1
G. F. Knowlton, S. J. Snow, and C. J. Sorenson, joint authors.

64592 LING, L. Digest of plant quarantine regulations. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 23,164 p. Dec.1952. 281.9 F733

64593 LOOSJES, F. E., and ROSSEM, G. VAN. Protection of stored grain against the attack of insects and mites. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:53-60. 1953. 59.9 St5J
English summary.

64594 MCCOMB, D., and KNOWLTON, G. F. Utah records of insect enemies of Western forests. Utah. Agr. Expt. Sta. Mimeog. Ser. 398,5 p. May 8,1953. 100 Ut1Mi

64595 MCDOUGALL, W. A. A note on pot experiments with "Gammexane" (benzene hexachloride) in soil. Queensland J. Agr. Sci. 9:41-45. Ref. Mar.1952 23 Q37

64596 MANSON, G. F. Insecticides and vegetable crops. Agr. Inst. Rev. 8(2):8-9. Mar./Apr.1953. 7 Ag8
Canada.

64597 MANTARI C., C. Dispersión de las plagas que atacan al cultivo de la papa en el departamento de Puno. Peru. Dir. Gen. de Agr. B. 3/4:57-63. First/Second Q.1952. 9.8 P438
Insects.

64598 MARTIN, L. A. Chemistry works for livestock industry. Future Farmer 10:8. May/June 1953. 4 F983
Insecticide research.

64599 MASEROLI, E. A. Parasites awaken with spring. (In Italian.) Avvenire Agr. 61:92-94. Apr.1953. 16 Av9
Plant pests.

64600 MAYER, P. Hospital pest control. Pest Control 21(5):9-10,12. May 1953. 449.8 Ex8

64601 MELVILLE, A. R. Synthetic organic insecticides; their value and limitations. Coffee Bd. Kenya. Mon. B. 18:324-325. Feb.1953. 68.29 C652

64602 MICHELBACHER, A. E., and BACON, O. G. Controlling walnut insect pests. West. Fruit Grower 7(4): 34-36. Apr.1953. 95.8 G762

64603 MONRO, H. A. U. Fumigants and agriculture. Agr. Inst. Rev. 8(2):15-17. Mar./Apr.1953. 7 Ag8
Pest control.

64604 MORRISON, H. E., and CROWELL, H. H. Control of insect pests of potato tubers. Oreg. Agr. Expt. Sta. C. Inform. 523,5 p. Feb.1953. 100 Or3C

64605 MUKERJEA, T. D. The relationship between the stage of development and susceptibility to DDT and the pyrethrins of Diataraxia oleracea (L.), Tenebrio molitor L., and Periplaneta americana (L.). B. Ent. Res. 44:121-161. Ref. Apr.1953. 421 B87

64606 NATIONAL COTTON COUNCIL. 1953 cotton insect control recommendations. Memphis,1953. 18 p. 423.9 N21

64607 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van bladrandkever, karwijmot, vlasthrips, aardvlo en bietenvlieg [Control of the pea weevil [Sitona lineata], the caraway moth [Depressaria nervosa], thrips on flax [Thrips lini], flea beetles and beet flies [Pegomya hyoscyami]. Netherlands. Plantenziektenk. Dienst. Ber. 1032,2 p. Apr.1953. 464.9 N38

64608 NEW WARFARE on old bugs; here are 23 worst house insects and ways to counterattack them. Life 34(21):156-158,161. May 25,1953. 280.8 L62

64609 PAINTER, R. H. Insecticides protect livestock. Agr. Inst. Rev. 8(2):18-20. Mar./Apr.1953. 7 Ag8
Canada.

64610 PARKIN, E. A. Problems of insect control in large kitchens. Roy. Sanit. Inst. J. 73:239-247. May 1953. 449.9 R812
Includes discussion.

64611 PAZIS, F. The importance of fighting the enemies of the agricultural products. (In Greek.) Phone ton Tynetairismon 92:2466-2467. Mar.1953. 280.28 P49

64612 PHILLIPS, E., and REEDY, L. M. Ectoparasites of poultry. Sowest. Vet. 6:273-274. Spring 1953. 41.8 So82

64613 PICKETT, A. D. Controlling orchard insects. Agr. Inst. Rev. 8(2):52-53. Mar./Apr.1953. 7 Ag8
Canada.

64614 PRIOUX, G. M. Les xylophages appâts à truites. Rustica 26:342. Apr.12,1953. 14 R92

64615 PSCHORN-WALCHER, H. Die vogelwelt—helfer oder opfer des pflanzenschutzes? Pflanzenarzt 6 (spec.no.3):7-8. Apr.1953. 464.9 P482

64616 QUEENSLAND. DEPT. OF AGRICULTURE. ENTOMOLOGY SECT. Bean pests in Queensland. Queensland Fruit & Veg. News 3:366. (Cont.) Mar.19, 1953. 280.38 Q3

64617 RAO, V. T. Methods to be adopted to maximise production and development of improved strains and plant materials—the part entomologist can play. Madras Agr. J. 85-89. Mar.1953. 22 M262

64618 RASCH. Nochmals: schädlingsbekämpfung im lagernden getreide in USA. Mühle 90:186. (Concl.) Apr.2,1953. 298.8 M89

64619 RAUN, E. S. Newest, best ways to pestproof your livestock. Successful Farming 51(5):52-53,94,96-98. May 1953. 6 Su12
Insects and insecticides.

64620 REEN, J. M. Pest control with sound and radio waves. Pa. Farmer 148:402,435. Apr.25,1953. 6 F383
Ultrasonic and short radio waves.

64621 REISINGER, E. Der biologische pflanzenschutz und seine grenzen. Pflanzenarzt 6(spec.no.3):1-4. Apr. 1953. 464.9 P482
Biological control of insects.

64622 REYNOLDS, H. T., VAN DEN BOSCH, R., and DIETRICK, E. J. Systox on cotton; systemic insecticide successful in southern California control tests. Calif. Agr. [Calif. Sta.] 7(4):8. Apr.1953. 100 C12Cag

64623 ROADHOUSE, L. A. O. Use of insect repellents. Agr. Inst. Rev. 8(2):23-24,30. Ref. Mar./Apr. 1953. 7 Ag8

64624 ROBERTS, R. M. La química y el ganadero. Du Pont de Nemours, E.I. & Co. B. del Agr. 10(2):16-18. (Cont.) Mar./Apr.1953. 6 D92B
Insecticides.

64625 ROSSEM, G. VAN. Report on the occurrence of some insect pests in 1951. (In Dutch.) Tijdschr. v. Ent. 95:LXXXIV-XC. Dec.20,1952. 421 T21
Includes discussion.

64626 RUFFIN, W. A., and others. Observations and experiences with insecticides, spraying and dusting equipment 1952. Cotton Insect Control Conf. Proc. 6:70-80. 1952. 423.9 C82
C. R. Jordan, S. L. Calhoun, G. Barnes, C. A. King, and C. W. Kennedy, joint authors.
Panel discussion.

64627 SCHRIDDE. Die winterspritzung. Prakt. Schädlingsbekämpfer 4:134-135. Dec.1952. 421 P882
To protect fruit from insect damage.

64628 SESSOUS, D. Ungebetene gäste im vorratsraum! R. der Landfrau 17:135-136. Apr.4,1953. 18 L2347
Insect pests.

64629 SHANAHAN, G. J., and WRIGHT, P. Fogging with BHC for control of sheep lice. Agr. Gaz. N. S. Wales 64:121-122,160-163. (Concl.) Mar.1953. 23 N472

64630 SIMON F., J. E. Enemigos biológicos del sorghum halepense.—(Grama-China). Peru. Dir. Gen. de Agr. B. 3/4:51-53. First/Second Q.1952. 9.8 P438
Insects.

64631 STARR, F., and WHITMER, R. H. Screened ryania eliminates clogged nozzles. Canning Trade 75(41): 8. Apr.27,1953. 286.83 T67

64632 STEINER, P. Neu anerkannte mittel gegen mühlen- und speicherschädlinge. Mühle 90:206. Apr.9, 1953. 298.8 M89
Insecticides in Germany.

64633 THIEL, P. H. VAN. Medical-entomological problems of the present day. (In Dutch.) Tijdschr. v. Ent. 95:T67-T77. Dec.20,1952. 421 T21

64634 THOMPSON, R. H., and TURTLE, E. E. Some recent developments in fumigating under gas-proof sheets. Chem. & Indus. 16:365-371. Ref. Apr.18,1953. 382 M31C
Protection of agricultural products from insects and rodents.

64635 THOMPSON, W. R. Biological control. Agr. Inst. Rev. 8(2):47-48. Mar./Apr.1953. 7 Ag8
Insects.

64636 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Important supplemental information on EQ-53. Washington,1953. 2 p. 1.967 A2Im7

64637 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of France. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 403,rev.,8 p. Apr.20,1953. 1.9 F73

64638 VAN STEENBURGH, W. E. Science Service [Canadian Department of Agriculture] facilities and insecticide research. Agr. Inst. Rev. 8(2):41-43. Mar./Apr.1953. 7 Ag8

64639 VEENENBOS, J. A. J. Experiments on the control of certain injurious insects of colza (Brassica napus L.). (In Dutch.) Tijdschr. over Plantenziekten 59:35-50. 1953. 464.8 T44
English summary.

64640 VIETINGHOFF-RIESCH, FREIHERR VON. Betrachtungen zum vogelschutz und zur frage der krisenfestigung unserer wälder. Allg. Forstz. 8:209-210. Apr.22,1953. 99.8 AL52
Chiefly on the control of forest pests.

64641 VITÉ, J. P. Die holzzerstörenden insekten Mitteleuropas. Textband. Göttingen,Musterschmidt,1952. 155 p. 422.5 V83

64642 WARD, M. Knowing their "beans" helps cotton growers. Acco Press 31(5):5-6. May 1953. 6 Ac2
Chiefly insect control.

64643 WEBER, P. W. Recent liberations of beneficial insects in Hawaii. II. Hawaii. Ent. Soc. Proc. 15:127-130. 1952,pub.Mar.1953. 420 H312

64644 WELCH, C. L. Needed: expanded research and education. Cotton Insect Control Conf. Proc. 6:1-2. 1952. 423.9 C82

64645 WHEELER, E. H. Fruit insect conditions in Massachusetts in 1951. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:111-114. 1952. 81 M384

64646 WHEELER, E. H. Recommendation for fruit insect control in 1953. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:73-79. 1953. 81 M384

64647 WHEELER, E. H. Recommendations for insect control for 1952. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:106-111. 1952. 81 M384
Includes discussion.

64648 WHITCOMB, W. D. Insects and allied pests. Carnation Chats 1(10):2. May 5,1953. 80 C212

64649 WHITCOMB, W. D. Looking down the gun barrel at 1953. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:71-73. 1953. 81 M384
Application of a pest control program.

64650 WHITE, A. N. Insect problems lower Rio Grande Valley 1952 and results of control program. Cotton Insect Control Conf. Proc. 6:47-53. 1952. 423.9 C82

64651 WINKELMANN. Chemische oder biologische schädlingsbekämpfung? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:775-776. May 7,1953. 18 L2346

INSECTICIDES

64652 BLACKITH, R. E. Bioassay systems for the pyrethrins. IV-V. Ann. Appl. Biol. 40:106-120. Ref. Mar.1953. 442.8 An72
IV, Stoichiometric relations with pyrethrum synergists; V, Experiments with a resistant strain of Calandra [i.e. Sitophilus] granaria L.

64653 BODENSTEIN, G. Kontaktinsektizide—eine hilfe oder eine gefahr? Wiss. Müllerei, 4:25-32. In Müllerei 6(17). Apr.25,1953. 298.8 M91

64654 CONLEY, B. E. Health problems of insecticidal vaporizers, smokes and impregnated materials. Pest Control 21(5):14,16,18. May 1953. 449.8 Ex8

64655 COTTAM, C. Wildlife and chemicals. Va. Wildlife 14(5):10-12. May 1953. 410 V81
Insecticides and herbicides.

64656 DECKER, G. C., and others. Problems, real and imaginary, in regulating insecticide use. Cotton Insect Control Conf. Proc. 6:20-35. 1952. 423.9 C82
C. F. Bower, W. A. Ruffin, D. G. Miley, L. A. Carruth, and H. Bales, joint authors.
Panel discussion.

64657 FLEMMING, G. E. Pesticide horizons. Canad. Chem. Processing 37(5):58,60,62,65. May 1953. 381 C16
Insecticides and herbicides.

64658 FRANSEN, J. J. Determination of the values of dusts. (In Dutch.) Tijdschr. v. Ent. 95:T49-T58. Dec. 20,1952. 421 T21
Includes discussion.

64659 FUKAMI, H., and NAKAZIMA, M. On electrolysis of p,p'-DDT with the cathode controlled at constant potential. (Studies on agricultural chemicals by the polarographic method.VI). (In Japanese.) Botyu-Kagaku 18:6-9. Feb.1953. 421 B65
English summary.

64660 GAINES, J. C. Promising new developments in insecticides. Cotton Insect Control Conf. Proc. 6:43-46. 1952. 423.9 C82

64661 HITCHNER, L. S. The insecticide situation—1953. Cotton Insect Control Conf. Proc. 6:85-89. 1952. 423.9 C82

64662 HOUTEN, J. G. TEN. Methods in use for determining the insecticidal values of chemical products applied as sprays. (In Dutch.) Tijdschr. v. Ent. 95:T43-T49. Ref. Dec.20,1952. 421 T21

64663 KAISER, H. Die erste tödlich verlaufene Systox-vergiftung. (Abs.) Angew. Chem. 65:165. Mar. 21,1953. 384 Z33
Poisoning during spraying.

64664 KRIJGSMAN, B. J. Determination of the value of insecticides by the biological plate method and the pharmacological method. (In Dutch.) Tijdschr. v. Ent. 95:T42-T43. Dec.20,1952. 421 T21

64665 LANKES, J. J. The fatal suck. Org. Farmer 4(8):20-21,38. Mar.1953. 57.8 Or3
Residues from systemic insecticides.

64666 MACDONALD, R., and BAKER, B. E. Synthesis of C^{14} labeled DDT. Canad. J. Chem. 31:517-519. May 1953. 470 C16B

64667 MCLEOD, W. S. Common names of insecticides and fungicides. Agr. Inst. Rev. 8(2):80. Mar./Apr. 1953. 7 Ag8

64668 MATSUBARA, H. Studies on synergist for insecticides. XI-XIII. (In Japanese.) Botyu-Kagaku 18:10-19. Feb.1953. 421 B65
English summary.
XI, On the synergistic action of egonol with pyrethrins in emulsion; XII, On the synergistic action of egonol with rotenone in emulsion; XIII, On the synergistic action of hinokinin with pyrethrins in emulsion.

64669 PEE, P. VAN. Les plantations de pyrethre. Rev. Colon. Belge 8:268-269. Apr.15,1953. 110 R324
The industry in the Belgian Congo.

64670 SPERONI, G., and others. Recherches sur des produits synergiques des insecticides chlorurés. Chim. & Indus. 69:658-666. Ref. Apr.1953. 383 C42
G. Losco, R. Santi, and C. Peri, joint authors.

64671 TURNER, N., and BLISS, C. I. Tests of synergism between nicotine and the pyrethrins. Ann. Appl. Biol. 40:79-90. Ref. Mar.1953. 442.8 An72

64672 VIADO, G. B., and ESTIOKO, R. R. Tests of five insecticidal dusts in the control of insects affecting tomatoes and eggplants. Philippine Agr. 35:343-357. Ref. Dec.1951,pub.Dec.1952. 25 P542

64673 VIETINGHOFF-RIESCH, A., FREIHERR VON. Eine neue lehrmitteltafel des Forstzoologischen Institutes Hann. Münden. Anz. f. Schadlingsk. 26:59-61. Apr. 1953. 421 An9

64674 WARREN, G. J. The influence of piperonyl butoxide and DDT on the determination of the pyrethrins content of commercial spray-insecticides by the A.O.A.C. and the Seil methods. J. Sci. Food & Agr. 4:180-183. Apr.1953. 382 So12

64675 WOODWARD, J. C. Residues in relation to soils, plants and animals. Agr. Inst. Rev. 8(2):65-66. Mar./Apr.1953. 7 Ag8
Insecticidal residues.

APICULTURE AND APIS MELLIFERA

64676 ABREZ. How has the AZ-hive been improved. (In Slovenian.) Slovenski Čebelar 55:12-16. Feb.15,1953. 424.8 SL5

64677 ADAM, BROTHER. Bienenzüchtung. Deut. Bienenwirt. 4:109-111. (Cont.) May 1953. 424.8 D489

64678 ALBER, M. A. Italiens imkerei. Imkerfreund 8:185-187. May 1953. 424.8 Im43

64679 BALTZER, F. Einige beobachtungen über sicheltänze bei bienenvölkern verschiedener herkunft. Schweiz. Gesell. f. Vererbforsch. Jahresber. 12:197-206. 1952. 443.9 Sch9

64680 BARBIER, N. Méthode simplifiée d'élevage des reines. Gaz. Apic. 54:120. Apr.1953. 424.8 G25

64681 BEE RESEARCH ASSOCIATION. Fourth annual report. Report for the year ending 31st December, 1952. n.p.,1953. 11 p. 424.9 B39A

64682 BIGGERS, G. S. Nomads of beekeeping. Amer. Bee J. 93:204-205. May 1953. 424.8 Am3
California.

64683 BOYKIN, M. N. My observation bee hive. Gleanings Bee Cult. 81:280-281. May 1953. 424.8 G47

64684 CARLSSON, C. G., and ASPLUND, Å. Rationell biskötsel [Efficient apiculture]. Stockholm,Författarens Förlag,1952. 112 p. 424 C19

64685 CAUDIU, R. Recherche de la reine. Abeille de France 32(331):100-101. (Cont.) Apr.1953. 424.8 Ab36

64686 CENSI, C. A propos of "pleasing perfumes." (In Italian.) Ape 37:9-10. Jan.1953. 424.8 Ap2

64687 CLEMSON, A. A. American foul brood. Agr. Gaz. N. S. Wales 64:152-156. (Concl.) Mar.1953. 23 N472

64688 CLOUT, G. A. Acarine. V. Bee Craft 35:65. May 1953. 424.8 B3925

64689 COORDES, H. Die praxis der naturgemässen zucht. Nordwestdeut. Imkerztg. 5:154-157. May 1953. 424.8 N753

64690 DOHRN, E. Die Karnika-hooge und ihre zucht. Westfalische Bienenztg. 66:87-88. (Cont.) Apr.1953. 424.8 W526

64691 DOULL, K. M. The honey bee. Rur. Educ. B. 3:22-29-38-44. Mar.-Apr.1953. 109 C162
Habits and behavior.

64692 DREHER, K. Der belegstand. Deut. Bienenwirt. 4:93-94. May 1953. 424.8 D489

64693 DREHER, K. Gebrauchszucht. Deut. Bienenwirt. 4:65-66. Apr.1953. 424.8 D489

64694 DYCE, E. J. Informe sobre la apicultura en el Perú. Serv. Coop. Interamer. de Prod. de Aliment. Ser. Inform. Téc. 68,10 p. Sept.1952. 9.8 Se6

64695 ECKERT, J. E. We must protect our western bee population. Amer. Fruit Grower 73(5):28A-28B. May 1953. 80 G85

64696 EPHARDT, F. L. Migratory beekeeping. Amer. Bee J. 93:206-207. May 1953. 424.8 Am3

64697 EVENIUS. Ein besuch im Französischen Institut für Bienenforschung in Bures sur Yvette. Deut. Bienenwirt. 4:74-76. Apr.1953. 424.8 D489

64698 FANZEL, H. DE. L'hérédité et la consanguinité. Rucher Wallon 15:50-51. Apr.1953. 424.8 R824

64699 GADGE, S. W. The glass wax extractor. Brit. Bee J. 81:210. Apr.2,1953. 424.8 B77

64700 GENG, H. Short distance moving with laughing gas. Amer. Bee J. 93:203,209. May 1953. 424.8 Am3

64701 GERCKE, A. Verhütung von bestäubungsschäden. Nordwestdeut. Imkerztg. 5:161-162. May 1953. 424.8 N753

64702 GRÉMILLON, J. Les abeilles ont besoin de pollen; ne commettons pas l'erreur de les en priver. Gaz. Apic. 54:118-119. Apr.1953. 424.8 G25

64703 GUSESEN. Meine erfahrungen im zweivolkbetrieb. Westfalische Bienenztg. 66:81-83. (Cont.) Apr.1953. 424.8 W526

64704 HAYDAK, M. H. Pollen substitutes. Minn. U. Agr. Ext. Folder 130,rev.,6 p. Mar.1953. 275.29 M66Ex

64705 HEROLD, E. Die bedeutung der künstlichen besamung für die bienenzucht. (Extr.) Deut. Bienenwirt. 4:67-69. Apr.1953. 424.8 D489

64706 HILLBERTZ, M. An observation hive of plastic and some observations in it. (In Swedish.) Nord. Bitidskr. 5:11-12. 1953. 424.8 N752

64707 HOLZE, R. Versagt die praktische zucht? Deut. Bienenztg. 8:49-52. Apr.1,1953. 424.8 D488

64708 INTERNATIONAL UNION OF BIOLOGICAL SCIENCES. INTERNATIONAL COMMISSION FOR BEE BOTANY. Die tätigkeit im jahre 1952, von A. Maurizio. Z. f. Bienenforsch. 2:17-20. Apr.1953. 424.8 Z3

64709 JILKA, A. Vereinigen von bienenvölkern. Bauer 6(18):9-10. May 2,1953. 19 B32

64710 JOAQUIM, J. Bees, source of wealth. (In Portuguese.) Gaz. do Agr. 5:43-44. Feb.1953. 24 G25 Mozambique.

64711 JOHNSEN, P. Investigations on the filling up of Danish honey frames by the bees. (In Danish.) Nord. Bitidskr. 5:4-7. 1953. 424.8 N752

64712 JORDAN, R. Königinnenzucht auf einfache weise. Deut. Bienenwirt. 4:94-97. May 1953. 424.8 D489

64713 KENNERLY, A. B. New agreements with bee-keepers may affect industry. Mod. Beekeeping 37:77-80. Apr.1953. 424.8 B397
Pollination services and insecticides.

64714 KOSANKE, M. W. Tips on comb honey production. Gleanings Bee Cult. 81:265-267. May 1953. 424.8 G47

64715 KÜHNER. Die obstblütentracht. Imkerfreund 8:170-173. May 1953. 424.8 Im43

64716 LAEIS, W. Bienenwaben aus polystyrol. Kunststoffe 43:109-110. Mar.1953. 309.8 K96
English summary in supplement, p. 2.

64717 LAMPE, J. Concerning wax. (In Slovenian.) Slovenski Čebelar 55:25-28. Feb.15,1953. 424.8 SL5

64718 LATHAM, A. Do bees keep watch of the sun? Gleanings Bee Cult. 81:303. May 1953. 424.8 G47

64719 LEMAISTRE, W. G. Tests on installation dates on package bees in Alberta. Gleanings Bee Cult. 81:304-305. May 1953. 424.8 G47

64720 LÜBBERS, J. Die natürliche königinzucht, der weg zur leistungssteigerung. Nordwestdeut. Imkerztg. 5: 152-154. May 1953. 424.8 N753

64721 MARGHERAT. Is European foulbrood finally conquered? (In Italian.) Ape 37:39-40. (Cont.) Mar. 1953. 424.8 Ap2

64722 MAXWELL, T. J. Bee-keeping under the microscope. 24. Brit. Bee J. 81:217-218. Apr.2,1953. 424.8 B77
Anatomy and physiology of Apis mellifera.

64723 MERCIER, D. Une bonne couverture de ruche pour l'hivernage. Gaz. Apic. 54:106-107. Apr.1953. 424.8 G25

64724 MEYERHOFF, G. Untersuchungen über die thermotaxis der honigbiene Apis mellifica L. Arch. f. Geflügelzucht u. Kleintierk. 2:36-68. Ref. 1953. 47.8 Ar22

64725 MOMMERS, J. Acarine disease; a continually greater danger. (In Dutch.) Maandschr. v. Bijenteelt 55: 64. Apr.1953. 424.9 V58

64726 MORGENTHALER, H. U. Über den nukleinsäuregehalt im ovar den bienenkönigin. Schweiz. Gesell. f. Vererbforsch. Jahresber. 12:206-211. 1952. 443.9 Sch9

64727 MULLER, O. New perspectives for the understanding of the friend or enemy concept in a beehive. (In Danish.) Nord. Bitidskr. 5:29-32. (Cont.) 1953. 424.8 N752

64728 NEUMANN, W., HABERMANN, E., and HANSEN, H. Differenzierung von zwei hämolysierenden faktoren im bienengift. Arch. f. Expt. Path. u. Pharmakol. 217:130-143. Ref. 1953. 448.8 Ar2

64729 NICHOLAS, G. Hundred tons of honey a year; initial eight-hive sideline develops into major bee-keeping enterprise—mass pollination scheme in Western Province. Farmer's Wk. [Bloemfontein] 85:14-15. Mar. 25,1953. 24 F225
Rental of hives of bees to fruit farmers in South Africa.

64730 OSCHMANN, H. Ein beitrag zur frage der ertragssteigerung bei winterraps durch einsatz von honigbienen. Deut. Landwirt. 4:152-155. Mar.1953. 18 D4822

64731 PIRNAT, J. Troubles and difficulties with queen bees. (In Slovenian.) Slovenski Čebelar 55:87-90. Apr.1,1953. 424.8 SL5

64732 REININGHAUS, H. Die drohnenerzeugung im gattenvolk (vatervolk). Westfalische Bienenztg. 66:85-86. Apr.1953. 424.8 W526

64733 RHEINHEIMER, O. Herauswirtschaften höchster honigerträge in früh- und mitteltrachtgegenden. Deut. Bienenztg. 8:55-56. Apr.1,1953. 424.8 D488

64734 ROJEC, V. New attempts at curing foulbrood. (In Slovenian.) Slovenski Čebelar 55:52-56. Mar.15,1953. 424.8 SL5

64735 ROUSSY, L. L'apiculture pastorale dans la Vallée des Ormonts 1882-1952. Gaz. Apic. 54:109-117. Apr.1953. 424.8 G25

64736 RUTTNER, H. Der wärmeschutz der bienenwohnungen. Österr. Imker 3:66-68. Apr.1953. 424.8 Os7

64737 SALBER, E. Rechtsfragen über bienenhaltung und wanderung im Burgenland. Österr. Imker 3:70-71. Apr.1953. 424.8 Os7

64738 SCHMID, S. Mehr bienen—mehr obst! Kärntner Bauer 103:151-153. Apr.1,1953. 19 K14

64739 SCHMUTZER, J. Bauer und biene. Österr. Imker 3:62-63. Apr.1953. 424.8 Os7

64740 SONDBØ, H. K. New ways of breeding queens. (In Norwegian.) Birøkteren 69:45-46. Apr.1953. 424.8 B53

64741 STRICKER, M. H. Blueberry and cranberry pollination. Gleanings Bee Cult. 81:268-271. May 1953. 424.8 G47

64742 STRICKER, M. H. Movin' 'em in the spring. Amer. Bee J. 93:208,220. May 1953. 424.8 Am3

64743 STUTE, K. Was die imker bei der einsendung von bienenschäden an die Chemische Untersuchungsstelle der Bundesforschungsanstalt für Kleintierzucht in Celle beachten sollten! Deut. Bienenwirt. 4:70-73. Apr.1953. 424.8 D489

64744 TEGTMEIER, R. Betriebsweise in Südhannover. Deut. Bienenztg. 8:52-55. Apr.1,1953. 424.8 D488

64745 THIELE. Schwarmverhinderungsmöglichkeiten, wenn schwarmstimmung aufkommt. Nordwestdeut. Imkerztg. 5:147-151. May 1953. 424.8 N753

64746 TOWNSEND, G. F., and ADIE, A. Moving bees. Amer. Bee J. 93:202. May 1953. 424.8 Am3

64747 VOMSATTEL, M. Der gebirgsimker. Schweiz. Bienen-Ztg. 76:197-204. May 1953. 424.8 Sch9

64748 WILLIAMS, T. P. J. Producing beeswax in the domestic apiary. New Zeal. J. Agr. 86:221. Mar.16, 1953. 23 N48J

64749 WOLTHERS, P. New investigations of the bee community and the smell of bees. (In Danish.) Nord. Bitidskr. 5:18-21. 1953. 424.8 N752

64750 WOODS, E. F. Ignis fatuus. 1. Brit. Bee J. 81:250. Apr.16,1953. 424.8 B77
Swarming.

64751 WULFRATH, A., and SPECK, J. J. De la colmena antigua al lucrativo negocio de la colmena moderna. Tierra [México] 8:267-269,311. Apr.1953. 8 T445

ARACHNIDA, MYRIAPODA, ETC.

64752 ALLEN, W. W. Cyclamen mite [Tarsonemus pallidus] research progress reported. West. Fruit Grower 7(4):27-29. Apr.1953. 95.8 G762

64753 ANTHON, E. W., and BURKS, E. Peach silver mite and its control. West. Fruit Grower 7(4):37. Apr. 1953. 95.8 G762
Vasates cornutus.

64754 ARCHER, A. F. Studies in the orbweaving spiders (Argiopidae). 3. Amer. Mus. Novitates 1622,27 p. May 4,1953. 500 N483N
Includes new species in Theridiosoma, Wendilgarda, Ogulnius and Parogulnius n. g.

64755 AUBRY, J., and MASSON, C. Contribution à la faune endogée de l'Algérie. Symphyles. Mus. Natl. d'Hist. Nat. B. (ser.2)24:468-473. Oct.1952. 410.9 P213

64756 BASU, B. C., MENON, P. B., and GUPTA, C. M. S. Studies on the mange mites of livestock in India. Indian J. Vet. Sci. & Anim. Husb. 22:143-149. Ref. June 1952,pub.1953. 41.8 In22
Chiefly Sarcoptes scabiei and Demodex folliculorum.

64757 BIRABÉN, M. "Fernandezina," nuevo genero de Palpimanidae (Araneae). Acta Zool. Lilloana 12:545-549. 1951,pub.1952. 410 Ac82

64758 BORDEN, A. D., and MADSEN, H. Acaricides on apples and pears; tentative ratings of 11 acaricides given for spider mite control in northern California for 1953 season. Calif. Agr. [Calif. Sta.] 7(4):6,13. Apr. 1953. 100 C12Cag

64759 BRAUN, R. "Maserung" von wänden durch spinnen. Nat. u. Volk 82:230-233. July 1,1952. 509 F856
Chiefly Dictyna civica.

64760 BRENNAN, J. M. A note on the chiggers of Jamaica (Acarina: Trombiculidae). J. Parasitol. 39:292-295. June 1953. 448.8 J824
Includes new species in Trombicula.

64761 BRUEL, W. E. VAN DEN, and COLIN, G. Le problème du tarsonème du fraisier [Tarsonemus pallidus]. 1. Parasitica 9:14-35. 1953. 464.8 P21

64762 BURNETT, T. A cage for rearing predator-prey populations of mites. Science 117:554-555. May 22, 1953. 470 Sci2

64763 CAUSEY, N. B. New records of millipeds from southern Ontario. Canad. Field-Nat. 66:145. Sept./Oct. 1952. 410.9 Ot8

64764 CHAMBERLIN, R. V., and WANG, Y. M. Records of millipeds (Diplopoda) from Japan and other oriental areas, with descriptions of new genera and species. Amer. Mus. Novitates 1621,13 p. May 4,1953. 500 N483N

New genera Nipponesmus, Rhysolus, Nikkonus, Sinostemmiulus, Sinobolus and Zinaceps.

64765 CHRYSANTHUS, P. On variation in some cross spiders. (In Dutch.) Ent. Ber. 14:209-215. Ref. Feb.1, 1953. 420 N38B

Araneus species.

64766 COOREMAN, J. Acariens podapolipodidae du Congo Belge. Inst. Roy. des Sci. Nat. de Belg. B. 28(36), 10 p. Apr.1952. 504 B835B

Includes new species in Eutarsopolipus and Tetrapolipus.

64767 DREES, H., and SCHWITULLA, H. Die getreideraubmilbe Cheyletus (Acarus) eruditus Westw. (Schrank). Gesunde Pflanzen 5:99-101. May 1953. 464.8 G33

Germany.

64768 DRESCO, E. Étude du genre Sabacon (Opiliones). Soc. Ent. de France. Ann. 131:117-126. Ref. 1952. 420 F84

64769 EICHLER, W. Grenzfälle der parasitendifferenzierung. V. Räudemilben. Monatsh. f. Vetmed. 8:145-146. Apr.1,1953. 41.8 M742

Sarcoptes species.

64770 ENIGK, K., and GRITTNER, I. Die exkretion der zecken. Z. f. Tropmed. u. Parasitol. 4:77-94. Ref. Oct.1952. 448.8 Z37

English summary.

64771 EYNDHOVEN, G. L. VAN. Acarina in the Antarctic regions. (In Dutch.) Tijdschr. v. Ent. 95:CIII-CIV. Dec.20,1952. 421 T21

64772 FABER, W. Milbenbefall an getreide. Pflanzenarzt 6(4):3-6. Apr.1,1953. 464.9 P482

64773 FIEDLER, O. G. H. The lethal effect of some insecticides on the B.H.C.-resistant blue tick, Boophilus decoloratus Koch. Onderstepoort J. Vet. Res. 25(4):65-67. Dec.1952. 41.8 On1

64774 FLESCHNER, C. A. Some natural enemies of the citrus bud mite [Aceria sheldoni]. Citrus Leaves 33 (5):13,30. May 1953. 80 C492

64775 FRANZ, E. Milbenplage in Frankfurter neubauten. Nat. u. Volk 82:300-301. Sept.1,1952. 509 F856

Bryobia praetiosa.

64776 FURMAN, D. P., COATES, W. S., and ROHRBACHER, G. H. Northern fowl mite [Liponissus sylviarum] control; effective control measures prove practical for use on large or small poultry farms. Calif. Agr. [Calif. Sta.] 7(3):9. Mar.1953. 100 C12Cag

64777 GERING, R. L. Structure and function of the genitalia in some American agelenid spiders. Smithsn. Inst. Misc. Collect. 121(4),84 p. Ref. Mar.17,1953. 500 Sm6M

64778 GOTZ. Bekämpft die rote spinne [~~Metate~~tranychus ulmi]! Bauern-Ztg. 6(16):7,10. Apr.24,1953. 18 B324

64779 GRANDJEAN, F. Observations sur les Palaeacaroïdes. Adelphacarus sellnicki, n. g., n. sp. Mus. Natl. d'Hist. Nat. B. (ser.2)24:460-467. Oct.1952. 410.9 P213

64780 GUNTHER, C. E. M. A check list of the Trombiculid larvae of Asia and Australasia. Linn. Soc. N. S. Wales. Proc. 77:1-60. Ref. 1952. 514 Sy2

64781 HAARLØV, N. Systematics and ecology of the genus: Tectocepheus Berlese 1896 (Acarina). Ent. Meddel. 26:424-437. Ref. 1952. 421 En82

64782 HAHMANN, K., and PILTZ, H. Beobachtungen an der roten stachelbeermilbe (Bryobia praetiosa Koch). Nachrbl. des Deut. Pflanzenschutzdienstes 4:182-183. Ref. Dec.1952. 442.9 B832

64783 HAMMER, M. A new oribatid (Acarina) from Rocky Mountains. Ent. Meddel. 26:380-383. 1952. 421 En82

Dentizetes n. g.

64784 HEDEEN, R. A. A new species of Sarcoptes (Acarina: Sarcoptidae) from the cave bat. J. Parasitol. 39:334-335. June 1953. 448.8 J824

64785 HOFFMAN, R. L. The identity of the milliped genus Camptomorpha silvestri (Polydesmida: Chelodesmidae). Ent. News [Philadelphia] 64:120-124. May 1953. 421 En88

64786 HOLMES, J. W. E. Tick control and relapsing fever. Roy. Sanit. Inst. J. 73:262-265. May 1953. 449.9 R812

Use of benzene hexachloride on houses in Northern Rhodesia.

64787 HOMANN, H. Wachstum und häutung der spinnen. Nat. u. Volk 83:1-9. Jan.1,1953. 509 F856

Tegenaria agrestis.

64788 HUFFAKER, C. B., and KENNETT, C. E. Cyclamen mite on strawberry; successful control by use of natural enemy of pest possible as indicated by results of field investigations. Calif. Agr. [Calif. Sta.] 7(4):7,12. Apr.1953. 100 C12Cag

Typhlodromus reticulatus on Tarsonemus pallidus.

64789 JAMESON, E. W., and SASA, M. Trombicula (Trombiculindus) kansai, a new chigger from Central Honshu, Japan. J. Parasitol. 39:247-249. June 1953. 448.8 J824

64790 JEPPSON, L. R., and PIETRI-TONELLI, P. DE. Evidence that citrus bud mite [Aceria sheldoni] is an old lemon pest. Citrus Leaves 33(5):12-13. Ref. May 1953. 80 C492

64791 JONGE, C. DE. Control of diseases in fruit culture. (In Dutch.) Betuws Tuinbouwbl. 11(4):3-4. Apr. 18,1953. 80 B464

Control of spider mites.

64792 KAYASHIMA, I. Report on the spiders and harvestmen collected in Yamaguti Prefecture. Yamaguti U. Facul. Agr. B. 3:259-270. 1952. 107.6 Y14

64793 KEEGAN, H. L. Geographic distribution of Latrodectus hasseltii. Amer. J. Trop. Med. & Hyg. 1: 1043-1046. Ref. Nov.1952. 448.8 Am326

64794 KEIFER, H. H. The Eriophyid mites of California (Acarina: Eriophyidae). Calif. Insect Survey. B. 2, 123 p. Ref. 1952. 420 C12

Includes list of host plants.

64795 KOHLS, G. M. Ixodes venezuelensis, a new species of tick from Venezuela, with notes on Ixodes minor Neumann, 1902 (Acarina: Ixodidae). J. Parasitol. 39:300-303. June 1953. 448.8 J824

64796 KOHLS, G. M. Notes on the ticks of Guam with the description of Amblyomma squamosum n. sp. (Acarina: Ixodidae). J. Parasitol. 39:264-267. Ref. June 1953. 448.8 J824

64797 KRISHNAN, G. On the cuticle of the scorpion Palamneus swammerdami. Q. J. Micros. Sci. 94:11-21. Ref. Mar.1953. 440.8 Q2

64798 LAMB, K. P. New plant galls. II. Description of seven new species of gall-mites and the galls which they cause. Roy. Soc. New Zeal. Trans. 80:371-382. Ref. Feb.1953. 514 W46

New species in Aceria, Eriophyes, Vasates, and Thamnacus.

64799 LAMB, K. P. A new species of Diptilomiopus Nalepa (Acarina: Eriophyidae) together with a key to the genus. Roy. Soc. New Zeal. Trans. 80:367-370. Feb. 1953. 514 W46

64800 LE GAC, P. Présence de larves d'acariens du genre Thrombicula sur les rongeurs du Moyen Congo (A. E. F.). Soc. de Path. Exot. B. 46:45-47. 1953. 448.9 So13

64801 MCHARDY, W. M. The Karoo paralysis tick—control measures. Merino Breeders' J. 15(2):16,18. Apr.1953. 45.8 So8

Insecticidal footbaths for sheep.

64802 MADSEN, H. F. Spider mites on apples and pears. West. Fruit Grower 7(5):19-20. May 1953. 95.8 G762

64803 MUMA, M. H. A study of the spider family Selenopidae in North America, Central America, and the West Indies. Amer. Mus. Novitates 1619,55 p. May 2,1953. 500 N483N

Includes new species in Selenops.

64804 NAMBA, N. On the effect of temperature and humidity upon the embrionic development of ticks in pasturage. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:130-135. Feb.1953. 107.6 H68

English summary.

Ixodes ricinus and Haemaphysalis bispinosa.

64805 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. DIV. OF SCIENCE SERV. Grass itch mites (Acomatacarus australiensis). N. S. Wales. Dept. Agr. Insect Pest L. 85,3 p. 1953. 423.92 N47

64806 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. DIV. OF SCIENCE SERV. Red-legged earth mites (Acarina). N. S. Wales. Dept. Agr. Insect Pest L. 77,2 p. 1952. 423.92 N47
Penthaleus major and Halotydeus destructor.

64807 PRITCHARD, A. E. Biological and taxonomic aspects of mite control. Agr. Chem. 8(5):41-43,137. May 1953. 381 Ag8

64808 RAGEAU, J., and VERVENT, G. Clé des Amblyomma d'Afrique. Ann. de Parasitol. Humaine et Compar. 28(1/2):60-63. 1953. 436.8 An7

64809 ROEWER, C. F. Opiliones aus Franzosisch-Westafrika, gesammelt durch Herrn Dr. A. Villiers. Inst. Franç. d'Afrique Noire. B. 15:610-630. Ref. Apr. 1953. 515 D14
Includes new species in Opilio, Tonkouinatus n. g., Nimbadus n. g., Micronimba n. g., Prolacurbs, Sangalkamia n. g., Acanthocoryphus n. g., Villiersiella n. g., Aburitius, Umbonimba n. g., and Pygoselenca n. g.

64810 SÁIZ MORENO, L. Parásitos externos mas importantes de las gallinas y medios de luchar contra ellos—las Argas o chinchorros. Neosan Avíc. 3:13-15. June 1952? 41.8 N352

64811 SASA, M. Genesis of the "tsutsugamushi." Oriental Econ. 21:191-192. Apr.1953. 280.8 Or4
Transmission of scrub typhus by Trompicula akamushi.

64812 SCHELLER, U. A new species of the order Symphyla from South Sweden. K. Fysiografiska Sällsk. Lund. Förhandl. 22:69-75. 1952. 502 L97F

64813 SCHMIDT, G. Eine deutsche spinne, die wirbeltiere frisst. Orion 8:310-311. Apr.1953. 474 Or4
Dolomedes fimbriatus.

64814 SCHUBART, O. Diplopods of Pirassununga. IV. (In Portuguese.) Dusenia 3:403-420. Ref. Nov.30,1952. 410 D94
German summary.
Includes new species in Pseudonannolene.

64815 SCHULZ-EHLBECK, H. W. Experimentelle untersuchungen über das verhalten von murinem poliomyelitisvirus in zecken (Ornithodorus moubata). Z. f. Tropmed. u. Parasitol. 3:472-474. May 1952. 448.8 Z37
English summary.

64816 SCHWAB, M., ALLEN, R., and SULKIN, S. E. The tropical rat mite (Liponyssus bacoti) as an experimental vector of Coxsackie virus. Amer. J. Trop. Med. & Hyg. 1:982-986. Ref. Nov.1952. 448.8 Am326

64817 STOLPE, W. Die tropische rattenmilbe (Bdellonyssus bacoti) in Lübeck. Prakt. Desinfekt. 45:165-166. Feb./Mar.1953. 449.8 Z36P

64818 VACHON, M. The biology of scorpions. Endeavour 12:80-89. Apr.1953. 472 En2

64819 VANDEL, A. A new terrestrial isopod from Oregon, Caucasonethes rothi n. sp. Pacific Sci. 7:175-178. Apr.1953. 475 P11

64820 VLASVELD, W. P. N. Control of spider mites [Paratetranychus pilosus]. (In Dutch.) Fruitteelt 43:364-365. Apr.25,1953. 86 N28

64821 WENZL, H., and SCHREIER, O. Spinnmilbenschäden (Tetranychus althaeae v. Hanst.) an zuckerrübe. Anz. f. Schadlingsk. 26:49-51. Ref. Apr.1953. 421 An9

64822 ZUMPT, F., and PATTERSON, P. M. Further notes on laelaptid mites parasitic on vertebrates, a preliminary study to the Ethiopian fauna. Ent. Soc. South. Africa. J. 14:63-93. Ref. Nov.30,1951. 420 En86
Includes new species in Davisiella n.g., Hypoaspis, Steatonyssus, Liponyssus, Rhinonyssus; also Sternolaelaps n.g.

64823 ZUMPT, F. A new blood-sucking mite from the South African springhare. Ent. Soc. South. Africa. J. 13:83-86. Sept.30,1950. 420 En86
Radfordilaelaps n. g.

COLEOPTERA

64824 ALLEN, A. A. Dromius insignis Lucas (Carabidae) under bark: an unusual habitat. Ent. Rec. & J. Variation 65:121-122. Apr.1953. 421 En89

64825 ANGLADE, P., and BERJON, J. Inefficacité du traitement des semences vis à vis des taupins nuisibles au maïs dans le Sud-Ouest et procédés de lutte contre ces insectes. Acad. d'Agr. de France. Compt. Rend. 39:201-206. Feb.11/18,1953. 14 P215Bc

64826 ARNETT, R. H. Beetles of the oedemerid genus Vasaces Champion. U. S. Natl. Mus. Proc. 103:87-94. 1953. 500 Sm65P
Includes new species.

64827 ARNETT, R. H. A review of the beetle family Cephaloidae. U. S. Natl. Mus. Proc. 103:155-161. 1953. 500 Sm65P

64828 BALFOUR-BROWNE, F. The aquatic Coleoptera of the western Scottish islands with a discussion on their sources of origin and means of arrival. Ent. Gaz. 4:79-127. Ref. Apr.1953. 421 En834

64829 BASILEWSKY, P. Contributions a l'étude des Coléoptères Carabidae du Congo Belge. Inst. Roy. des Sci. Nat. de Belg. B. 28(26),27 p. Mar.1952. 504 B835B
Includes new species in Tachyura.

64830 BASILEWSKY, P. Description d'un Dichaetochilus nouveau de la Rhodésie du Sud (Col. Carabidae Harpalinae). South. Rhodesia Natl. Mus. Occas. Papers 2:540-541. Feb.18,1953. 515 R342

64831 BASILEWSKY, P. Expedition to the Gughé Highlands (Southern Ethiopia), 1948-49: Coleoptera, Carabidae. Linn. Soc. London. J. Zool. 42:276-292. Mar.20, 1953. 410.9 L64
Includes new species in Peryphus, Probatenus, Metagonum, Calathus, and Klepterus.

64832 BASILEWSKY, P. Mission A. Villiers au Togo et au Dahomey (1950). XXII. Coléoptères, Carabidae. Inst. Franç. d'Afrique Noire. B. 15:522-542. Apr.1953. 515 D14

64833 BATTEN, R. Some notes on the food of Cicindela found in a new place. (In Dutch.) Ent. Ber. 14:228-229. Mar.1,1953. 420 N38B

64834 BECHYNÉ, J. Achter beitrag zur kenntnis der gattung Chrysolina Motsch. (Col. Phytoph. Chrysomelidae). Mus. G. Frey. Ent. Arb. 3:351-385. 1952. 420 M923

64835 BECHYNÉ, J. Deuxième note sur les Eumolpides néotropicaux des collections de l'Institut Royal des Sciences Naturelles de Belgique. Inst. Roy. des Sci. Nat. de Belg. B. 28(38),20 p. May 1952. 504 B835B
Includes new species in Nycterodina, Nodonota, Iphimeis, Colaspis, Maecolaspis and Lyraletes n.g.

64836 BERRY, P. A., and RIVERA GARCIA, S. El gorgojo del chile ciruela (Anthonomus eugenii Cano). Cent. Nac. de Agron. C. Agr. 57,3 p. Oct.1952. 8 Sa54C

64837 BLAKE, D. H. Two new species of Glyptoscelis (Col. Chrysomelidae) from Argentina. Acta Zool. Lilloana 10:163-166. 1952. 410 Ac82

64838 BLETCHLY, J. D. The influence of decay in timber on susceptibility to attack by the common furniture beetle, Anobium punctatum De G. Ann. Appl. Biol. 40:218-221. Mar.1953. 442.8 An72

64839 BOSQ, J. M. Descripción de una nueva especie del género Centrocerum Chevr., 1861 (Col. Cerambycidae) Acta Zool. Lilloana 10:95-97. 1952. 410 Ac82
English summary.

64840 BRAMMANIS, L. Bidrag till kännedomen om för skogen skadliga bladhorningar i Sverige. I. Trädgårdsborren, Phyllopertha horticola L. Beiträge zur kenntnis der forstschädlichen Lamellicornien Schwedens. I. Der gartenlaubkäfer, Phyllopertha horticola L. Sweden. Stat. Skogsforskinst. Meddel. 41(2),59 p. Ref. 1952,pub.1953. 99.9 Sw32
German summary.

64841 BRAUN, A. Erfahrungen in der engerlingsbekämpfung. Bad. Landwirt. Wchnbl. 120:357. Apr.11,1953. 18 B142
Melolontha.

64842 BRINCK, P. Some cerambycids occasionally introduced to Sweden. (In Swedish.) Opusc. Ent. 18:22-24. 1953. 421 Op7
English summary.

64843 BRÜLL, H. Über die bedeutung der mundwerkzeuge des männlichen und des weiblichen hirschkäfers [Lucanus cervus]. Nat. u. Volk 82:289-294. Sept.1,1952. 509 F856
Comment by H. Fischer, p. 398, December 1952.

64844 BRUNEAU DE MIRÉ, P. Contribution a l'étude des Dyschiriinae [Col. Carabiques] du Sahara Méridional et de ses confins sahéliens. Soc. Ent. de France. Ann. 131:49-60. 1952. 420 F84
New species in Dyschirius and Cribrodyschirius n. g.

64845 CAMERON. New species of Staphylinidae (Col.) from French West Africa. Inst. Franç. d'Afrique Noire. B. 15:519-521. Apr.1953. 515 D14
Includes new species in Trogophloeus, Oedichirus, Lithocharis, and Leucoparyphus.

64846 CAZIER, M. A. A review of the scarab genus Acoma (Coleoptera, Scarabaeidae). Amer. Mus. Novitates 1624,13 p. May 5,1953. 500 N483N

64847 CHATTERJI, S. On some preservatives against Bruchid pests of stored mung. Sci. & Cult. 18: 333. Jan.1953. 475 Sci24

64848 CHIAROMONTE, A. Thespesia, Syagrus, Gossypium. (In Italian.) Riv. di Agr. Subtrop. e Trop. 47:18-21. Jan./Mar.1953. 26 Ag82
English summary.

64849 COCKERHAM, K. L. How to make boll weevil [Anthonomus grandis] and bollworm [Heliothis armigera] counts in cotton fields. La. Agr. Col. Ext. P. 1118,6 p.-folder. May 1952. 275.29 L93Ep

64850 COLLYER, E. Beneficial fruit insects: predators. 3. Grower [London] 39:837. Apr.25,1953. 286.83 M34
Stethorus punctillum and Neuroptera.

64851 DAVIAULT, L. Le perceur de l'érable [Glycobius speciosus]. Abeille et l'Erable 22:54-55. Apr.1953. 424.8 Ab32

64852 DEBATISSE, G. Longicornes marocains. Entomologiste 8:135-136. 1952. 421 En814

64853 DUFFY, E. A. J. The immature stages of Hawaiian Cerambycidae, with a key to larvae. Hawaii. Ent. Soc. Proc. 15:135-158. 1952,pub.Mar.1953. 420 H312

64854 DUFFY, E. A. J. Lead cable severely damaged by Ptinus tectus Boieldieu (Coleoptera, Ptinidae). B. Ent. Res. 44:83-84. Apr.1953. 421 B87

64855 DUFFY, E. A. J. New species of Cerambycidae (Coleoptera) in the collections of the Institut Royal des Sciences Naturelles de Belgique. Inst. Roy. des Sci. Nat. de Belg. B. 28(57),11 p. Nov.1952. 504 B835B
New species in Megopis, Allogaster, Mecosaspis, Perissus and Dirphya.

64856 DURR, H. J. R. A description of the woodborer Oxypleurus nodieri Muls. (Coleoptera: Cerambycidae). Ent. Soc. South. Africa. J. 15:83-89. May 31,1952. 420 En86

64857 DURR, H. J. R. A preliminary study of the relative toxicity of tanalith K and dieldrin to young larvae of the European houseborer, Hylotrupes bajalus L. Ent. Soc. South. Africa. J. 14:144-147. Nov.30,1951. 420 En86
Tested against pentachlorophenol.

64858 EASTON, A. M. The occurrence of Meligethes lindbergi Rebmann in Algeria and Tunisia, including a description of its ovipositor and that of M. obscurus Erichson (Col., Nitidulidae). Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:181-183. Oct./Dec.1952. 410.9 So125

64859 EHRENHARDT, H. Zur biologie und bekämpfung des klettenrüsslers Tanymecus palliatus. Nachrbl. des Deut. Pflanzenschutzdienstes 5:17-21. Ref. Feb. 1953. 442.9 B832

64860 ENDRODI, S. Monographie der gattung Anthypna Latr. Folia Ent. Hungarica (n.s.)5:1-38. 1952. 420 So12

64861 ENDRODI, S. Neue und bekannte Hoplinen und Valginen aus der Fukien-ausbeute des Heeen J. Klapperich. Folia Ent. Hungarica (n.s.)5:41-71. 1952. 420 So12
Includes new species in Ectinohoplia, Hoplia, Excisivalgus n.g., Dasyvalgoides n.g., and Dasyvalgus.

64862 FAGEL, G. Contribution a la connaissance des Staphylinidae. XV,XVII. Inst. Roy. des Sci. Nat. de Belg. B. 28(27),5 p.;(41),18 p. Mar.,June 1952. 504 B835B
XV, Un Prianophthalmus nouveau; VII, Le groupe de Stilicus punctipennis Bernhauer.

64863 FIEDLER, C. Neue Coelosternus aus Süd- und Central-Amerika (Col. Curc. Cryptorhynch.). Münch. Ent. Gesell. Mitt. 42:22-39. Nov.15,1952. 420 M922

64864 FRANCKE-GROSMANN, H. Über die ambrosiazucht der beiden kiefernborkenkäfer Myelophilus minor Htg. und Ips acuminatus Gyll. Sweden. Stat. Skogsforskinst. Meddel. 41(6),52 p. Ref. 1952,pub.1953. 99.9 Sw32

64865 FRANSSEN, C. J. H. De levenswijze, oecologie en bestrijding van de kapok-topboorder (Alcides leeuweni Hell.) [The life history and control of the kapok topborer (Alcides leeuweni Hell.)]. Indonesia. Gen. Agr. Res. Sta. Contrib. 132,36 p. Ref. Nov.1952. 109.5 Ea73
English summary.

64866 FREUDE, H. Beitrag zur kenntnis der Tenebrionidenfauna Cyperns, bericht über die ausbeute von Fräulein Dr. Christa Lindemann. Münch. Ent. Gesell. Mitt. 42:117-124. Ref. Nov.15,1952. 420 M922

64867 FREUDE, H. Die lösung des rätsels um Monomma resinorum Hope. Münch. Ent. Gesell. Mitt. 42: 111-116. Nov.15,1952. 420 M922

64868 GRANDORI, R., GRANDORI, L., and DOMENICHINI. G. Contribution to the biological knowledge of Melasoma aenea L. (Coleopt., Chrysomel.) and its parasites. (In Italian.) B. di Zool. Agr. e Bachicolt. 18: 63-80. 1952. 423.92 B63
English summary.

64869 GRAY, J. You can't burn out the boll weevil [Anthonomus grandis]! N. C. Agr. Col. Ext. Folder 96, 5 p. Jan.1953. 275.29 N811Ex

64870 GRESSITT, J. L. The genus Glaucytes in the Pacific (Coleoptera: Cerambycidae). Hawaii. Ent. Soc. Proc. 15:195-199. 1952,pub.Mar.1953. 420 H312
Includes new species.

64871 GUÉRIN, J. Description de quatre nouvelles espèces de Megalopodidae de la "Zoologische Sammlung des Bayerischen Staates" München. Dusenia 3:435-442. Ref. Nov.30,1952. 410 D94
English summary.
New species in Mastotethus and Agathomerus.

64872 GUIGNOT, F. Nouveaux Dytiscides du Parc National de l'Upemba. Inst. Roy. des Sci. Nat. de Belg. B. 28(22),6 p. Mar.1952. 504 B835B
New species in Heterhydrus, Yola, Herophydrus, Copelatus, Laccophilus, Aethionectes, and Cybister.

64873 HABU, A. Descriptions of two new species of Carabidae (Coleoptera). Mushi 24:35-38. Nov.15,1952. 421 M97
In Callistomimus and Dromius.

64874 HALL, D. W., and HOWE, R. W. A revised key to the larvae of the Ptinidae associated with stored products. B. Ent. Res. 44:85-96. Apr.1953. 421 B87

64875 HAMMOND, G. H. Control of white grubs [Phyllophaga spp.] in eastern Canada. Canada. Sci. Serv. Div. Ent. Processed P. 88,rev.,6 p. Feb.1953. 423.92 C16P

64876 HEIDENREICH, E. Betrachtungen zur maikäfer- und engerlingsbekämpfung. Merck-Bl. 6,8 p. Dec.1952. 423.92 M54
Melolontha melolontha.

64877 HENNER, J. Rebschäden durch den "falschen kohlerdfloh" [Altica oleraceae]—einen seltenen weingartenschädling. Pflanzenarzt 6(4):6-7. Apr.1,1953. 464.9 P482

64878 HERVÉ, P. A propos des variations de coloration de Potamonectes luctuosus Aubé. Entomologiste 8: 125-127. 1952. 421 En814

64879 HOWE, R. W. Studies on beetles of the family Ptinidae. VIII. The intrinsic rate of increase of some ptinid beetles. Ann. Appl. Biol. 40:121-133. Ref. Mar. 1953. 442.8 An72

64880 HOWE, W. L., and CAMPBELL, W. V. A simple method for rearing green June beetle [Cotinis nitida] larvae. U. S. Bur. Ent. & Plant Quar. ET-307,2 p. Apr.1953. 1.9 En83Et

64881 JANSSENS, A. Contribution à l'étude des Coléoptères lamellicornes. XVI. Note sur les Onitini d'Afrique Australe. Inst. Roy. des Sci. Nat. de Belg. B. 28(34),12 p. Apr.1952. 504 B835B

64882 JEANNEL, R. Psélaphides recueillis par N. Leleup au Congo Belge. IV. Faune de l'Itombwe et de la forêt du Rugege. Mus. Roy. du Congo Belge. Ann. Sci. Zool. 11,295 p. 1952. 515 M97A
Includes new genera Archeuplectus, Ectoparyphoaes, Elaphobythus, Rugegius, Leleupiella, Auchenotropidius, Histricoidius, Typhlorites, Strongylomus, Acanthanops, Pselaphorites, Dimorphozethus, Opisthosphaera, Typhloproboscites, Octozethinus, Mecynozethus, Heptaleptus, Xenoleleupia, Opisthosemus, Leptophiliops, Omotimellus and Afroplectus; new species in Raffrayia, Ipsimodes, Reichenbachia, Trissemus, Trabisus, Apobatrisus, Trabisoides, Atheropterus, Ruacorites, Hemicliarthrus, Syrbatus, Batrisochorus, Eliodimerus, Parabatrisus, Octomicrellus, Zethopsus, Zethopsinus, Typhloleptus, Articerodes, Chaetorhopalus, Bibloporellus, Philiopsis, Bibloplectinus, Periplectus, Pseudoplectus, Asymoplectus, Camptomites, Arthromelus, Pselaphidius, Pselaphus, Cyathigerodes, Odontalgus, Tmesiphorus, Centrophthalmus, Centrophthalmosis and Exallus.

64883 JOHN, H. Eine neue species von Discoloma Er. (Coleoptera: Notiophygidae). Beitr. z. Ent. 2:618-620. Dec.1952. 421 B392

64884 JOLY, R. Dégats en profondeur dans les grumes. Rev. du Bois 8(4):3-7. Apr.1953. 99.82 R32
Bostrychidae.

64885 JONG, C. DE. Coleopterological notes. III. (In Dutch.) Ent. Ber. 14:251-253. Apr.1,1953. 420 N38B
English summary.
Coccinella.

64886 KASZAB, Z. Die indomalayischen und ostasiatischen arten der gattung Gonocephalum Solier (Coleoptera Tenebrionidae). Mus. G. Frey. Ent. Arb. 3:416-688. Ref. 1952. 420 M923

64887 KENNINGTON, G. S. The effects of reduced atmospheric pressure on populations of Tribolium castaneum and Tribolium confusum. Physiol. Zool. 26:179-203. Ref. Apr.1953. 410 P56

64888 KLEIN. Zur ökologie des kartoffelkäfers [Leptinotarsa decemlineata] seine natürlichen feinde und ihre schädigung durch moderne insektizide. (Abs.) Angew. Chem. 65:163. Mar.21,1953. 384 Z33

64889 KLETT. Maikäferbekämpfung 1953. Württemb. Wchnbl. f. Landwirt. 120:416. Apr.18,1953. 18 W96
Melolontha.

64890 KLOFT, W. Über möglichkeiten zur bekämpfung des zottigen blütenkäfers Tropinota hirta Poda. Nachrbl. des Deut. Pflanzenschutzdienstes 5:11. Jan. 1953. 442.9 B832

64891 KNOWLTON, G. F. Controlling Mexican bean beetle [Epilachna varivestis]. Utah.State Agr. Col. Ext. C. 180,2 p. Apr.1953. 275.29 Ut1

64892 KNOWLTON, G. F. Controlling strawberry root weevils [Brachyrhinus ovatus]. Utah. State Agr. Col. Ext. C. 186,2 p. Apr.1953. 275.29 Ut1

64893 KNOWLTON, G. F. Controlling wireworms. Utah. State Agr. Col. Ext. C. 174,2 p. Jan.1953. 275.29 Ut1
Revision of Bulletin 232.

64894 KRÜGERKE. Ungleicher holzbohrer (Anisandrus dispar Fabr.). Obstbauberatungsring. Mittbl. 8(2): 6-7. Apr.1,1953. 85 Ob72

64895 KULZER, H. Siebenter beitrag zur kenntnis der Tenebrioniden (Col.). Mus. G. Frey. Ent. Arb. 3:719-764. Ref. 1952. 420 M923
Includes new species in Apteromaia n. g., Aptereucyrtus, Postandrosus, Sternomaia n. g., Simalura, Pezomaia n. g., and Chrysomaia n. g.

64896 LANE, M. C. Some generic corrections in the Elateridae. IV. Ent. Soc. Wash. Proc. 55:86-89. Apr. 1953. 420 W27

64897 LAST, H. R. Two new species of African Philonthus (Col., Staphylinidae). Ent. Mon. Mag. 89:114-115. May 1953. 421 En86

64898 LECOMTE, C. Deux insectes d'hiver: Oncomera femorata F. et Marolia variegata Bosc. (Col. Oedemeridae et Melandryidae). Entomologiste 8:127-131. 1952. 421 En814

64899 LEKANDER, B. En ny metod för bekämpning av granbarkborren, Ips typographus L. Eine neue methode zur bekämpfung von Ips typographus L. Sweden. Stat. Skogsforskinst. Meddel. 41(3),31 p. 1952,pub.1953. 99.9 Sw32
German summary.

64900 LEPESME, P., and BREUNING, S. Coléoptères—Cérambycides récoltés par P. L. Dekeyser, P. Lepesme et A. Villiers dans l'Île de Fernando-Poo. Inst. Franç. d'Afrique Noire. B. 15:507-518. Apr.1953. 515 D14
Includes new species in Corus, Pterolophia, Liopus, Glenea, Obereopsis, and Neonitocris.

64901 LINDROTH, C. H. Scandinavian Carabidae. (In Swedish.) Opusc. Ent. 18:17-21. Ref. 1953. 421 Op7
German summary.

64902 LUGINBILL, P., and PAINTER, H. R. May beetles of the United States and Canada. U. S. D. A. Tech. B. 1060,102 p. Ref. 1953. 1 Ag84Te
Phyllophaga.

64903 MCDERMOTT, F. A. Photuris bethaniensis, a new lampyrid firefly. U. S. Natl. Mus. Proc. 103:35-37. 1953. 500 Sm65P

64904 MARTÍNEZ, A. Insectos nuevos o poco conocidos. IX. Algunas notas sobre Bolbocerini argentinos y chilenos con descripción de una especie nueva [Bolboceras (Bolborhinum) shajovskoyi] (Col. Scarab. Geotrupinae). Soc. Ent. Argentina. Rev. 15:314-327. Dec.31,1952. 420 So14

64905 MERKER, E. Lockstoffe und nährstoffe in wirtspflanzen einiger waldschädlinge. Allg. Forst- u. Jagdztg. 124:138-144. Ref. Apr.1,1953. 99.8 AL3
English summary.
Bark beetles.

64906 MIKŠIĆ, R. Ein beitrag zur kenntnis der Anisoplia-arten des Balkans (Col. Scarabaeidae). Mus. G. Frey. Ent. Arb. 3:386-409. 1952. 420 M923

64907 MONROS, F., and VIANA, M. J. Las Cassidinae de la sección "Hemisphaerotina" con revisión de las especies argentinas (Col., Cassidinae) (2a contribución al conocimiento de Cassidinae). Acta Zool. Lilloana 11:367-395. 1951. 410 Ac82
English summary.

64908 MONROS, F. Notas sobre Criocerinae (Col., Chrysomelidae). Acta Zool. Lilloana 11:467-482. 1951. 410 Ac82
English summary.

64909 MONROS, F. Revisión de las especies argentinas de Chlamisinae (Col., Chrysomelidae) (5a contribución al conocimiento de Chlamisinae). Acta Zool. Lilloana 10:489-672. Ref. 1952. 410 Ac82
English summary.
Includes new species in Chlamisus, Exema, and Aulacochlamys, and Aulacochlamys n. g.

64910 MONROS, F. Seis nuevas especies de Criocerine del Noroeste Argentino (Col. Chrysomelidae). Acta Zool. Lilloana 10:33-49. 1952. 410 Ac82
English summary.
New species in Lema and Plectonycha.

64911 MORSE, H. Spruce loggers racing time. Crow's Pacific Coast Lumber Digest 31(7):14. Apr.9, 1953. 99.81 C88
Against Dendroctonus engelmanni.

64912 MURAYAMA, J. Notes on the scolytid-beetles (Coleoptera) from southern and western parts of Izu Peninsula, Shizuoka Prefecture. Yamaguti U. Facul. Agr. B. 3:15-23. 1952. 107.6 Y14

64913 MURAYAMA, J. On the scolytid-beetles from the island Takeshima, Yamaguchi Prefecture. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:167-171. 1952. 107.6 Y14
English summary.
Xyleborus spp.

64914 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van glanskever en snuitkever in kruisbloemige gewassen [Control of rape beetles [Meligethes aeneus] and cabbage shoot weevils [Ceuthorhynchus assimilis] in Cruciferae]. Netherlands. Plantenziektenk. Dienst. Ber. 1033,2 p. Apr.1953. 464.9 N38

64915 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. DIV. OF SCIENCE SERV. The common grain weevil (Calandra [i.e. Sitophilus] oryzae). N. S. Wales. Dept. Agr. Insect Pest L. 64,5 p. 1953. 423.92 N47

64916 OHBAYASHI, K. Systematic notes on Japanese Strangalia (Col. Ceramb.). Mus. G. Frey. Ent. Arb. 3: 410-415. 1952. 420 M923

64917 PAGDEN, H. T. Rhinoceros beetle [Oryctes rhinoceros]: a warning. Rubber Res. Inst. Malaya. Planters' B. (n.s.)6:63-65. May 1953. 78.9 R825
Serious damage to oil palms in Malaya.

64918 PALLISTER, J. C. The leaf beetles of north central Mexico collected on the David Rockefeller Mexican Expedition (Coleoptera, Chrysomelidae). Amer. Mus. Novitates 1623,95 p. Ref. May 5,1953. 500 N483N
Includes new species in Zygogramma, Systena, Phrynocepha, Altica, Oedionychis and Pentispa.

64919 PALM, T. On beetle fauna from a Scanian beach meadow locality. (In Swedish.) Opusc. Ent. 18:59-63. 1953. 421 Op7
German summary.

64920 PALMQVIST, S. Schonische käferfunde. II. (In Swedish.) Opusc. Ent. 18:37-47. 1953. 421 Op7
German summary.

64921 PAPP, C. S. Neubeschreibungen über einige Chrysomeliden aus Südamerika (Coleopt.) (31. beitrag zur kenntnis der Chrysomeliden). Acta Zool. Lilloana 10:291-298. 1952. 410 Ac82
Includes new species in Homalopterus and Eumolpus.

64922 PIC, M. Aderus (Hylophilus) nouveau de Sumatra (Col.: Hylophilidae). Tijdschr. v. Ent. 95:321. Dec.20,1952. 421 T21

64923 PIC, M. Coléoptères nouveaux du Congo Belge. Mus. Roy. du Congo Belge. Ann. Sci. Zool. 12,47 p. 1952. 515 M97A
In Trinodes, Pelocherops, Sphinginopalpus, Dolichopsis, Aphelochroa, Phaeocyclotomus, Biophida, Scraptia, Macratria, Zarcosia, Mixaderus, Notoxus, Pseudotomoderus, Leptaleus, Anthicus, Aulacoderus, Endomia, Eutrapelodes, Pseudocistela, Synallecula, Asclerosibutia, Macrocyphon, Stenactyla, Ptilodactyla, Calvarium, Cyphon, Ora, Sulcatoscirtes n.g., and Scirtes.

64924 PIC, M. Les Eurymetopum Bl. de la R. Argentine (Col. Cleridae). Soc. Ent. Argentina. Rev. 15:252-262. Dec.31,1952. 420 So14

64925 PIC, M. Expedition to the Gughé Highlands (Southern Ethiopia), 1948-49: Coleoptera, Dascillidae: une nouvelle espèce du genre Eubrianax. Linn. Soc. London. J. Zool. 42:293-294. Mar.20,1953. 410.9 L64

64926 PIC, M. Nouveaux Coléoptères africains. Inst. Franç. d'Afrique Noire. B. 15:495-506. Apr.1953. 515 D14
Includes new species in Anthicus, Aderus, Macrosiagon, Derolagria, Sphinginopalpus, Thriocera, Gyponyx, Falsocorynetes, Cryptocephalus, Casmena, Syagrus, Anguleumolpus, Dermoxanthus, Pseudocolaspis, Thrysbina [i.e. Thysbina], and Colasposoma.

64927 PIC, M. Observations sur les Phytoecia Muls. (Col. Cerambycidae). Mus. G. Frey. Ent. Arb. 3:689-701. 1952. 420 M923

64928 PIERPOINT, M. The effect of weevil [Bruchus brachialis Fahr.] infestation on hairy vetch seed (Vicia villosa). Assoc. Off. Seed Anal. Proc. 42:67-74. 1952. 61.9 As7

64929 POOS, F. W., and HOWE, W. L. Control of the southern corn rootworm [Diabrotica undecimpunctata howardi] on peanuts. U. S. Bur. Ent. & Plant Quar. EC-23, rev.,8 p.-folder. Apr.1953. 1.967 A2Ec1

64930 PRINCES RISBOROUGH, ENGLAND. FOREST PRODUCTS RESEARCH LABORATORY. The house longhorn beetle [Hylotrupes bajulus]. Princes Risborough. Forest Prod. Res. Lab. L. 14,rev.,6 p. Nov. 1952. 99.9 G796L
Wood pest.

6493, PRINCES RISBOROUGH, ENG. FOREST PRODUCTS RESEARCH LABORATORY. Spray treatment for prevention of Lyctus attack in sawn logs. Gt. Brit. Dept. Sci. & Indus. Res. Forest Prod. Res. Lab. L.43,rev., 4 p. Feb.1953. 99.9 G796L

64932 REMEDI, A. L. Larvas de derméstidos. Res 20:27128. July 5,1952. 286.85 R31

64933 RETTIG, E. C. The Engelmann spruce bark beetle [Dendroctonus engelmanni]. West. Forestry & Conserv. Assoc. Proc. 43:50-51. 1952. 99.9 W522

64934 RISBEC, J. Chalcidoïdes et Proctotrupoïdes de l'Afrique Occidentale Française (2e supplément.) Inst. Franç. d'Afrique Noire. B. 15:549-609. Apr.1953. 515 D14
Includes new species in Ledouxopria n. g., Ceraphron, Ceranogmus n. g., Ceratoteleia, Dichoteleas, Anteromorpha, Procacus, Tetrastichus, Erycidnus, Prionomitus, Metapelma, Chalcitella, Eurytoma, Podagrion, Plesiostigma and Saccharissa.

64935 ROTHANSL, H. Tod dem maikäfer! Bauer 6(17):11-12. Apr.25,1953. 19 B32
Melolontha in Austria.

64936 SCHEDL, K. E. Fauna argentinensis. V. 96. contribution to the morphology and taxonomy of the Scolytoidea. Acta Zool. Lilloana 12:443-463. 1951,pub. 1952. 410 Ac82
Includes new species in Phthorophloeus, Hylurgonotus n. g., Hypothenemus, Stephanoderes, Phacrylus, Chramesus, Hylocurus, Pterocyclon, Xyleborus, and Platypus.

64937 SCHEDL, K. E. Formosan Scolytoidea. I. Philippine J. Sci. 81:61-65. Mar.1952. 475 P53
III, Contribution to the morphology and taxonomy of the Scolytoidea.
Includes new species in Hypocryphalus, Stephanoderes, Oriosiotes [i.e. Orosiotes?] and Xyleborus.

64938 SCHEDL, K. E. Scolytoidea congolais. IV. Contribution 132 à la morphologie et à la systématique des Scolytoidea. Inst. Roy. des Sci. Nat. de Belg. B. 28(32): 12 p. Apr.1952. 504 B835B
Includes new species in Hapalogenius, Stephanoderes and Dryocoetes.

64939 SCHEERPELTZ, O. Eine neue Aleocharinengattung und -art aus Kärnten (Col. Staphylinidae). Mus. G. Frey. Ent. Arb. 3:765-775. 1952. 420 M923
Hölzelia n. g.

64940 SCHEERPELTZ, O. A new staphylinid beetle (Col. Staphylinidae) found in the nest of Tatera brantsii (Rodentia, Muridae). (Third contribution to knowledge of African Staphylinidae). Ent. Soc. South. Africa. J. 14:27-29. May 31,1951. 420 En86
In Philonthus.

64941 SCHEIN, H. Eudicella White (Col. Ceton.) Eine literaturzusammenstellung in tabellenform. Mus. G. Frey. Ent. Arb. 3:702-709. 1952. 420 M923

64942 SCHINDLER, U., and SCHNEIDER, G. Versuche zur engerlingsbekämpfung bei streifenkulturen unter besonderer berücksichtigung der pflanzlochbegiftung. Allg. Forst- u. Jagdztg. 124:131-137. Ref. Apr.1, 1953. 99.8 AL3
Melolontha.

64943 SCHMITT, O. Nouveau milieu biologique de l'Aphodius cervorum Fairm. Entomologiste 8:117-119. 1952. 421 En814

64944 SCHREIER, O. Würmer in mohnkapseln. Pflanzenarzt 6(5):4-5. May 1,1953. 464.9 P482
Weevils.

64945 SCHULER, E. Neues verfahren zur borkenkäferbekämpfung, das saftstromverfahren. Forst u. Holz 8: 114-116. Apr.16,1953. 99.8 F7724

64946 SEIXAS, C. A. Considerations on control of coffee borer [Stephanoderes hampei]. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384):44. Jan.1953. 9.2 B733

64947 SIDOR, C. Possibilities of the fight against cockchafer larvae. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):12-14. Mar.1953. 21.5 V87
Melolontha.

64948 STRANEO, S. L. Expedition to the Gughé Highlands (Southern Ethiopia), 1948-49: Coleoptera, Carabidae, Pterostichinae. Linn. Soc. London. J. Zool. 42: 295-297. Mar.20,1953. 410.9 L64
Includes new species in Caecocaelus.

64949 THÉODORIDÈS, J. Les Coléoptères fossiles. Soc. Ent. de France. Ann. 131:23-48. Ref. 1952. 420 F84

64950 TIPPMANN, F. F. Eine neue Acanthocinus Steph.-form aus Dalmatien: Acanthocinus griseus Fabr. subsp. novaki, subsp. nova (Coleoptera: Cerambycidae, subfam. Lamiinae). Münch. Ent. Gesell. Mitt. 42:148-154. Nov.15,1952. 420 M922

64951 TIPPMANN, F. F. Studien über Plagionotus detritus L. und arcuatus L. (Coleoptera: Cerambycidae, subfam. Cerambycinae, Tribus: Clytini). Münch. Ent. Gesell. Mitt. 42:134-147. Nov.15,1952. 420 M922

64952 TOMINIC, A. Researches about the rate of laying and the natural inclination of depositing eggs of Capnodis tenebrionis L. (In Serbo-Croatian.) Zaštita Bilja 15:47-63. Ref. 1953. 464.8 Z1
English summary.

64953 TOOKE, F. G. C. The control of powder-post beetles in buildings. Farming So. Africa 28:79-83. Mar.1953. 24 So842

64954 TOOKE, F. G. C. History of Eucalyptus snout-beetle [Gonipterus scutellatus] control. Farming So. Africa 28:100-102. Mar.1953. 24 So842

64955 UÉNO, S. I. New cave-dwelling trechids of Japan (Coleoptera, Harpalidae). Mushi 24:13-16. Nov.15, 1952. 421 M97
In Kurasawatrechus and Ryugadous.

64956 UÉNO, S. I. On a cave-dwelling sphodrid found in Japan (Coleoptera, Harpalidae). Mushi 24:17-19. Nov. 15,1952. 421 M97

64957 UHMANN, E. Austral-asiatische Hispinae des Zoologischen Museums der Humboldt-Universität zu Berlin. 7. (126. Beitrag zur kenntnis der Hispinae). Münch. Ent. Gesell. Mitt. 42:71-86. Nov.15,1953. 420 M922
Includes new species in Plesispa and Caledonispa n.g.

64958 UHMANN, E., and JOLIVET, P. Sur deux espèces d'Hispinae de la collection Chapuis. 1. Inst. Roy. des Sci. Nat. de Belg. B. 28(61),8 p. Ref. Dec.1952. 504 B835B

64959 VAN CLUTE, J. Winged workers afield. Org. Farmer 4(9):14-16,49. Apr.1953. 57.8 Or3
Coccinellidae.

64960 VAN EMDEN, F. I. The larva of Morion and its systematic position (Coleoptera: Carabidae). Hawaii. Ent. Soc. Proc. 15:51-54. 1952,pub.Mar.1953. 420 H312

64961 VAN HILLE, J. C. Note on Formicomus caeruleus Thunb. with description of two new African species (Anthicidae, Coleoptera Heteromera). Ent. Soc. South. Africa. J. 13:68-72. Sept.30,1950. 420 En86

64962 VARLEY, G. C., and EDWARDS, R. L. An olfactometer for observing the behaviour of small animals. Nature [London] 171:789-790. May 2,1953. 472 N21
Tests with wireworms and Mormoniella vitripennis.

64963 VIANA, M. J. Nueva subfamilia de Curculionidae, para la Argentina y Bolivia-subfamilia Schöenherriellinae (Coleopt.). Soc. Ent. Argentina. Rev. 15:231-236. Dec.31,1952. 420 So14
Includes Schöenherriella n. n. for Epipedus Schöenherr. (1842) nec Spinola (1837).

64964 VOGT, G. B. Report on an investigation of the ambrosia beetle problem of kanyin timber for the Forestry Department of the Government of the Union of Burma. Burmese Forester 2:89-94. Sept.1952. 99.8 B92

64965 VOSS, E. Mandschurische rüssler aus dem Museum G. Frey. (121. Beitrag zur kenntnis der Curculioniden). Münch. Ent. Gesell. Mitt. 42:190-205. Nov.15, 1952. 420 M922
Includes new species in Eumyllocerus, Macrocorynus, Rhynchaenus, Phytobius and Bagous.

64966 WALLIS, R. L. Relation of time of planting potatoes to tuber flea beetle [Epitrix tuberis] attack in Nebraska and Wyoming. Amer. Potato J. 30:70-72. Mar. 1953. 75.8 P842

64967 WERTMAN, F. L. Progress in separating weevil-infested seed. Grain & Feed J. Consolidated 110 (8):13-14. Apr.22,1953. 298.8 G762
Testing of hairy vetch seed for Bruchus brachialis.

64968 WHITCOMB, W. D. A cooperative test to evaluate methoxychlor for the control of the plum curculio [Conotrachelus nenuphar] on apples. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:91-95. 1952. 81 M384
Includes discussion.

64969 WRIGHT, K. H. The current Douglas fir beetle [Dendroctonus pseudotsugae] outbreak in western Oregon and southwest Washington. West. Forestry & Conserv. Assoc. Proc. 43:53-54. 1952. 99.9 W522

64970 YOSHIDA, M. Ecological researches on the wire-worm, Melanotus caudex Lewis. 4. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:123-133. Ref. 1952. 107.6 Iw92
English summary.

64971 YOSHIDA, M. Morphological researches on the Melanotus caudex Lewis, with reference to distinctions between male and female. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:115-122. 1952. 107.6 Iw92
English summary.

64972 YOUNG, F. N. The water beetles of the Bahama Islands, British West Indies (Coleoptera: Dytiscidae, Gyrinidae, Hydrochidae, Hydrophilidae). Amer. Mus. Novitates 1616,20 p. Ref. May 1,1953. 500 N483N

64973 ZIRKEL, H. Die problematik der berechnungen über die getreideverluste durch käferbefall. Muhle 90: 229-230. Apr.23,1953. 298.8 M89
In storage.

DIPTERA

64974 ACZEL, M. L. Catálogo de la familia Dorilaidae (Pipunculidae) de la región neotropical (Diptera). Soc. Ent. Argentina. Rev. 15:237-251. Dec.31,1952. 420 So14

64975 ACZÉL, M. L. Catalogo de la subfamilia americana "Pterocallinae" (Dipt., Acalypt. Otitidae). Acta Zool. Lilloana 11:397-433. Ref. 1951. 410 Ac82
English summary.

64976 ACZEL, M. L. Further revision of the genus Xanthaciura Hendel (Trypetidae, Dipt.). Acta Zool. Lilloana 10:245-280. 1952. 410 Ac82
Includes new species.

64977 ACZEL, M. L. Generos y especies neotropicales de la tribus "Trypetini." II. Dos generos y una especie nuevos. Acta Zool. Lilloana 12:253-278. 1951,pub.1952. 410 Ac82
Includes new species in Haywardina n. g., and Cryptoplagia n. g.

64978 ACZEL, M. L. Morfologia externa y división sistemática de las "Tanypezidiformes" con sinopsis de las especies argentinas de "Tylidae" ("Micropezidae") y "Neriidae" (Dipt.). Acta Zool. Lilloana 11:483-589. Ref. 1951. 410 Ac82
English summary.
Includes Eoneria n. g.

64979 ACZEL, M. L. Revisión parcial del género americano Paracantha Coquillett (Diptera, Trypetidae). Acta Zool. Lilloana 10:199-243. 1952. 410 Ac82
English summary.
Includes new species.

64980 ACZÉL, M. L. Suplemento al "catalogo de la familia Trypetidae de la región neotropical." Acta Zool. Lilloana 12:117-133. 1951,pub.1952. 410 Ac82
English summary.

64981 ADACHI, M. S. Preliminary studies in Hawaiian Dolichopodidae (Diptera). I. New species of Campsicnemus Haliday. Hawaii. Ent. Soc. Proc. 15:117-122. 1952,pub.Mar.1953. 420 H312

64982 ALEXANDER, C. P. New or little-known Tipuloidea (Diptera) from Argentina. I. Acta Zool. Lilloana 10:75-94. 1952. 410 Ac82
Includes new species in Tipula, Austrolimnophila, and Teucholabis.

64983 ARDÖ, P. The corpse fly, Conicera tibialis Schmitz, in Sweden. (In Swedish.) Opusc. Ent. 18:33-36. 1953. 421 Op7
English summary.

64984 ASSIS-FONSECA, E. C. M. D'. Delia tarsifimbria Pand. (Dipt., Muscidae) and other uncommon muscids from Glamorgan. Soc. Brit. Ent. J. 4:124-125. Mar.24,1953. 420 En85J

64985 BARIGOZZI, C. Neue angaben über den einfluss von in euchromatin and heterchromatin liegenden genen auf die zellgrösse bei Drosophila melanogaster. Schweiz. Gesell. f. Vererbforsch. Jahresber. 12:142-146. 1952. 443.9 Sch9

64986 BELLON, J. Un cas de kala-azar autochtone au Tchad (Ouaddaï). Inst. Pasteur d'Algérie. Arch. 30: 377-381. Dec.1952. 448.3 In7A
Flebotomus as vector.

64987 BERTSCHMANN, M. Phänokopieversuche mit nitrogen-mustard an Drosophila melanogaster. Schweiz. Gesell. f. Vererbforsch. Jahresber. 12:166-170. 1952. 443.9 Sch9

64988 BESS, H. A. Status of Ceratitis capitata in Hawaii following the introduction of Dacus dorsalis and its parasites. Hawaii. Ent. Soc. Proc. 15:221-234. 1952, pub.Mar.1953. 420 H312

64989 BLIGHT, W. C., and ROMANO, A. Notes on a breeding site of Drosophila americana near St. Louis, Missouri. Amer. Nat. 87:111-112. Mar./Apr.1953. 470 Am36

64990 BOLLOW, H. Zweiflügler (Diptera). I. Natwiss. Grundbegriffe f. die Landbauliche Praxis. Zool. Reihe 29,10 p. 1953. 410 N2127

64991 BONNIER, G., and LÜNING, K. G. Sex linked lethals in Drosophila melanogaster from different modes of X-ray irradiation. Hereditas 39:193-200. 1953. 442.8 H42

64992 BROWN, J. H., and others. The public health importance of domestic flies and their control on a district basis in Alberta. Canad. J. Pub. Health 44:117-123. Ref. Apr.1953. 449.8 P964
M. H. O'Meara, M. L. Friend, and H. Dean, joint authors.

64993 BURNEY, L. E. Poison it, swat it—but get it. Hoosier Farmer 38(5):32. May 1953. 280.82 H76
The housefly.

64994 COLLIN, J. E. A revision of the British (and notes on other) species of Lonchaeidae (Diptera). Soc. Brit. Ent. Trans. 11:181-207. Mar.24,1953. 420 So15
Includes new species in Dasyops, Earomyia, and Lonchaea.

64995 CORBO, S. The housefly is principally responsible for infantile mortality from gastrointestinal diseases (7 years of observations). (In Italian.) Riv. di Parassitol. 14:55-59. Jan.1953. 436.8 R52
English summary.

64996 CROWTHER, R. W. The sheep nostril fly. Countryman [Nicosia] 7(2):10-12. Feb.1953. 25 C83

64997 DEAN, R. W. Apple maggot [Rhagoletis pomonella]. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58: 71-75. 1952. 81 M384

64998 DELMAS, H. G., and THERMES, R. Essais de destruction de Ceratitis capitata (Wied.) pendant sa vie hypogée. Acad. d'Agr. de France. Compt. Rend. 39:222-226. Feb.11/18,1953. 14 P215Bc

64999 DE MEILLON, B., and HARDY, F. New records and species of biting insects from the Ethiopian region. III. Ent. Soc. South. Africa. J. 14:30-35. May 31, 1951. 420 En86
New species in Prosimilium and Chiastopsylla.

65000 DODD, A. P. Observations on the stem gall fly [Procecidochares utilis] of pamakani, Eupatorium glandulosum. Hawaii. Ent. Soc. Proc. 15:41-44. 1952,pub.Mar. 1953. 420 H312

65001 DODGE, H. R. Two sarcophagid flies new to Hawaii. Hawaii. Ent. Soc. Proc. 15:131-134. 1952,pub. Mar.1953. 420 H312
Pachyophthalmus alienus n. sp. and Sarcophaga gressitti.

65002 DOESBURG, P. H. VAN. Communications on the Syrphidae. XII. (In Dutch.) Ent. Ber. 14:241-245. Apr.1,1953. 420 N38B
Includes new species in Pipiza, Paragus, Neoascia, Syrphus and Eristalis.

65003 DOESBURG, P. H. VAN. A new Brachyopa for the Netherlands, and some Syrphidae rare in our country. (11th note on a Syrphidae). (In Dutch.) Tijdschr. v. Ent. 95:CV-CVI. Dec.20,1952. 421 T21

65004 DUNNING, R. A., and JONES, F. G. W. Mangold fly [Pegomyia hyoscyami betae]: more experiments in control. Brit. Sugar Beet Rev. 21:111-115,119. Mar. 1953. 66.8 B77

65005 DUPUIS, C. Contributions à l'étude des Phasiinae cimicophages (Diptera, Larvaevoridae). XV. Données sur les Leucostomatina et, en particulier, Leucostoma analis (Meigen) s. str. Ann. de Parasitol. Humaine et Compar. 28(1/2):64-97. Ref. 1953. 436.8 An7
English summary.

65006 DU TOIT, R., and FIEDLER, O. G. H. The new synthetic insecticides as dressings for blowfly strike in sheep. Onderstepoort J. Vet. Res. 25(4):53-63. Dec.1952. 41.8 On1
Chiefly on benzene hexachloride.

65007 EJSING, G. Watch out for the leatherjackets. (In Danish.) Jydsk Landbr. 35:308. May 7,1953. 11 J99
Tipulidae.

65008 ENGLISH, K. M. I. Notes on the morphology and biology of Ectenopsis vulpecula Wied. var angusta Macq. (Diptera, Tabanidae, Pangoniinae). Linn. Soc. N. S. Wales. Proc. 77:270-274. 1952,pub.Jan.20,1953. 514 Sy2

65009 FAIRCHILD, G. B. A note on Hertigia hertigi Fairchild and description of the female (Diptera, Psychodidae). Ent. Soc. Wash. Proc. 55:101-102. Apr.1953. 420 W27

65010 FAIRCHILD, G. B. Notes on Phlebotomus from the Australasian region (Dipt. Psychodidae). Linn. Soc. N. S. Wales. Proc. 77:189-208. 1952. 514 Sy2
Includes new species.

65011 FIGUEROA P., A. Catálogo de los artropodos de las clases Arachnida e Insecta encontrados en el hombre, los animales y las plantas de la Republica de Colombia. III. Acta Agron. [Palmira] 3:1-7. Jan.1953. 9.4 Ac8
Diptera and Lepidoptera.

65012 FLUKE, C. L. The genus "Dolichogyna" (Diptera, Syrphidae). Acta Zool. Lilloana 12:465-478. 1951,pub.1952. 410 Ac82
Includes new species.

65013 FRANSSEN, C. J. H. De bestrijding van de knopmade en de wormstekigheid van de erwten [Control of the pea midge [Contarinia pisi] and worminess in peas]. Tech. Ber. 63,8 p. Apr.1953. 60.39 T22

65014 FRANZ, E. Veilchen-gallmücken [Dasyneura affinis] in Frankfurt am Main. Nat. u. Volk 82:314-318. Oct.1,1952. 509 F856

65015 FRICK, K. E., and SIMKOVER, H. G. Cherry fruit fly in wild trees is not a new pest. Better Fruit 47 (10):21-23,25-26. Apr.1953. 80 B46
Rhagoletis cingulata and R. fausta.

65016 FRICK, K. E. Further studies on Hawaiian Agromyzidae (Diptera) with descriptions of four new species. Hawaii. Ent. Soc. Proc. 15:207-215. Ref. 1952, pub.Mar.1953. 420 H312
New species in Melanagromyza, Ophiomyia, Phytobia and Phytoliriomyza.

65017 GARCIA, M. Las especies argentinas del género Philornis Mein., con descripción de especies nuevas (Dipt. Anthom.). Soc. Ent. Argentina. Rev. 15:277-293. Dec.31,1952. 420 So14

65018 GOMES, J. S[illegible]rays for fruit pests. (In Portuguese.) Lav. e Criac[illegible] (44):37. Nov.1952. 49 L392
Control of Ceratit[illegible]apitata and Anastrepha.

65019 GUILLAUME, A. Comment exterminer le varron [Hypoderma bovis]. Vie a la Campagne 42:184. May 1953. 80 V67

65020 HADORN, E., and CHEN, P. S. Untersuchungen zur phasenspezifität der wirkung von letalfaktoren bei Drosophila melanogaster. Schweiz. Gesell. f. Vererbforsch. Jahresber. 12:147-163. Ref. 1952. 443.9 Sch9
English summary.

65021 HARDY, D. E. The Argentine "Bibionidae" (Diptera). Acta Zool. Lilloana 12:343-376. Ref. 1951,pub. 1952. 410 Ac82
Includes new species in Bibionellus and Philia.

65022 HARDY, D. E. New Hawaiian Tipulidae (Diptera). Hawaii. Ent. Soc. Proc. 15:55-58. 1952,pub.Mar. 1953. 420 H312
In Limonia and Gonomyia.

65023 HARDY, D. F. Notes on the Shannon types of Dorilaidae from Argentina (Pipunculidae—Diptera). Acta Zool. Lilloana 10:299-306. 1952. 410 Ac82

65024 HARDY, D. E. Studies in Hawaiian Dorilaidae (Diptera). Hawaii. Ent. Soc. Proc. 15:59-73. 1952,pub. Mar.1953. 420 H312
Includes new species in Dorilas.

65025 HARDY, G. H. Apistomyia tonnoiri Till. (Dipt., Blepharoceridae) visiting flowers. Ent. Mon. Mag. 89:99. May 1953. 421 En86
Anatomical description.

65026 HARDY, G. H. Miscellaneous notes on Australian Diptera. XV. Tabanus, Heteropsilopus. Linn. Soc. N. S. Wales. Proc. 76:222-225. 1951,pub.Jan.15,1952. 514 Sy2

65027 HENNIG, W. Bemerkenswerte neue Acalyptraten in der sammlung des Deutschen Entomologischen Institutes (Diptera: Acalyptrata). Beitr. z. Ent. 2:604-618. Dec.1952. 421 B392
In Ramuliseta, Teutoniomyia n.g., Milichia and Scutops.

65028 HERING, E. M. Fruchtfliegen (Trypetidae) von Neu-Guinea (Dipt.) (48. Beitrag zur kenntnis der Trypetidae.) Treubia 21:507-524. Feb.15,1953. 410 T72
Includes new species in Strumeta (i.e. Dacus), Daculus, Agnostophana n. g., Callistomyia, Agaristina n. g., Rioxina, Phasca n. g., Dirioxa, and Anomoea.

65029 HERSKOWITZ, I. H. The survival and developmental rates of D. melanogaster and D. simulans. Amer. Nat. 87:113-115. Mar./Apr.1953. 470 Am36

65030 HESSE, A. J. Contribution à l'étude des Diptères de l'Urundi. II. A new genus [Françoisia] of Bombyliidae from the Belgian Congo. Inst. Roy. des Sci. Nat. de Belg. B. 28(42),7 p. June 1952. 504 B835B

65031 HSU, W. S. The origin of proteid yolk in Drosophila melanogaster. Q. J. Micros. Sci. 94:23-28. Mar.1953. 440.8 Q2

65032 HUTTEL, W., HUTTEL, N., and VERDIER, P. A propos de deux Culicoides nouveaux du Gabon (Diptera, Heleidae). Ann. de Parasitol. Humaine et Compar. 28 (1/2):98-107. Ref. 1953. 436.8 An7

65033 JANSSENS, E. Revision du genre Lasiocnemus Loew (Diptera Asilidae). Inst. Roy. des Sci. Nat. de Belg. B. 28(24),10 p. Mar.1952. 504 B835B

65034 KABOS, W. J. New Netherlands Diptera. (In Dutch.) Tijdschr. v. Ent. 95:CXIX. Dec.20,1952. 421 T21
Anthomyidae.

65035 KEMPER, H. Die mauersegler-lausfliege [Crataerina pallida], feind des mauerseglers und plage in menschlichen wohnungen. Nat. u. Volk 82:404-408. Dec. 1,1952. 509 F856

65036 KING, R. C. Studies with radiophosphorus in Drosophila. I. The mutagenic effectiveness of radioactive phosphorus in adult male Drosophila melanogaster. J. Expt. Zool. 122:541-575. Ref. Apr.1953. 410 J825

65037 KNOWLTON, G. F., and BINNS, W. Cattle grub [Hypoderma] control. Utah. State Agr. Col. Ext. C. 190, 2 p. Apr.1953. 275.29 Ut1
Reprint of Bulletin 231.

65038 KNOWLTON, G. F. House fly control. Utah. State Agr. Col. Ext. B. 224,2 p. July 1951. 275.29 Ut1

65039 KUNERT, H., and SCHMIDTKE, L. Die bedeutung der nichtstechenden fliegen für die verschleppung von leptospiren. Z. f. Tropmed. u. Parasitol. 3:475-486. May 1952. 448.8 Z37
English summary.

65040 KUWAYAMA, S. On the seasonal prevalence of the horn-fly, Lyperosia [i. e. Siphona] irritans, in Hokkaido. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:125-129. Feb.1953. 107.6 H68

65041 LANE, J. Neotropical Mycetophila. (Diptera, Mycetophilidae). Dusenia 3:421-434. Nov.30,1952. 410 D94

65042 LATTEUR, J. P. L'hypodermose bovine. Rev. de l'Agr. 6:415-462. Apr.1953. 13 R322
English summary.

65043 LECLERCQ, M. Introduction à l'étude des Tabanides et revision des espèces de Belgique. Inst. Roy. des Sci. Nat. de Belg. Mem. 123,80 p. Ref. 1952. 504 B835

65044 LEE, D. J., and REYE, E. J. Australasian Ceratopogonidae (Diptera, Nematocera). VI. Australian species of Culicoides. Linn. Soc. N. S. Wales. Proc. 77: 369-394. 1952,pub.Jan.20,1953. 514 Sy2
Includes new species.

65045 LENZ, F. Chironomiden als vorfrühlingsboten. Beitr. z. Ent. 2:543-554. Dec.1952. 421 B392

65046 LEVENBOOK, L. The variation in phosphorus compounds during metamorphosis of the blow-fly, Calliphora erythrocephala Meig. J. Cell. & Compar. Physiol. 41:313-334. Ref. Apr.1953. 444.8 J822

65047 LEWIS, D. J. The Tabanidae of the Anglo-Egyptian Sudan. B. Ent. Res. 44:175-216. Ref. Apr. 1953. 421 B87

65048 MCGAUGHEY, C. A. Myiasis (Chrysomyia bezziana) in a dog in Ceylon. Brit. Vet. J. 109:175-176. Apr.1953. 41.8 V643

65049 MACKERRAS, I. M., and MACKERRAS, M. J. Notes on Australasian Simuliidae (Diptera). III. Linn. Soc. N. S. Wales. Proc. 77:104-113. 1952. 514 Sy2
Includes Austrosimulium montanum n. sp.

65050 MAEDA, S., HAGEN, K. S., and FINNEY, G. L. Artificial media and the control of microorganisms in the culture of tephritid larvae (Diptera: Tephritidae). Hawaii. Ent. Soc. Proc. 15:177-185. 1952,pub.Mar.1953. 420 H312

65051 MAIER, P. P., and others. Field studies on the resting habits of flies in relation to chemical control. I-II. Amer. J. Trop. Med. & Hyg. 1:1020-1031. Nov.1952. 448.8 Am326
W. C. Baker, M. D. Bogue, J. W. Kilpatrick, and K. D. Quarterman, joint authors.

65052 MAYER, K. Die Macropeza-gruppe der Heleiden (Diptera: Heleidae). Beitr. z. Ent. 2:582-585. Dec.1952. 421 B392

65053 MER, G. G., and FURMASKA, W. The effect of the fat content in the fly food on the resistance to D.D.T. Riv. di Parassitol. 14:49-54. Jan.1953. 436.8 R52

65054 MESNIL, L. P. Seconde note préliminaire sur les Tachinaires du Congo Belge. Inst. Roy. des Sci. Nat. de Belg. B. 28(23),18 p. (Cont.) Mar.1952. 504 B835B
Crocuta.

65055 MILES, M. The effect of summer weather on cabbage root flies [Hylemya brassicae]. Gt. Brit. Min. Agr. Agriculture 60:87-91. May 1953. 10 G79J

65056 MITRA, R. D. Modified setae on the palp of blood sucking midges. Z. f. Tropmed. u. Parasitol. 3: 550-552. May 1952. 448.8 Z37

65057 MUNRO, H. K. Trypetid flies (Diptera) associated with the Calendulae, plants of the family Compositae in South Africa. I. A bio-taxonomic study of the genus Mesoclanis. Ent. Soc. South. Africa. J. 13:37-52. Sept. 30,1950. 420 En86
Includes new species.

65058 NAGASAWA, S. Studies on the biological assay of insecticides. XXV-XXVII. (In Japanese.) Botyu-Kagaku 18:20-33. Ref. Feb.1953. 421 B65
English summary.
XXV, On the relation between velocity of knock down of adults of the common housefly (Musca domestica L.) caused by toxic effect of DDT powder and kinds of sole plate of the settling dust apparatus; XXVI, On the relation between susceptibility of adults of the common housefly (Musca domestica L.) against knock down effect of DDT powder and kinds of bait in its adult stage; XXVII, On the relation between treating quanity of DDT powder and its knock down effect to adults of the common housefly (Musca domestica L.).

65059 NAGATOMI, A. New Rhagio-species from Japan (Diptera, Rhagionidae). Mushi 24:7-12. Nov.15, 1952. 421 M97

65060 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De kersenvlieg [The cherry fruit fly] (Rhagoletis cerasi L.). Netherlands. Plantenziektenk. Dienst. Vlugschr. 70,6 p. Apr.1953. 464.9 W12V

65061 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de knopmade en de peulboorder bij erwten [Control of the pea maggot [Contarinia pisi] and worminess in peas]. Netherlands. Plantenziektenk. Dienst. Ber. 1034,2 p. Apr.1953. 464.9 N38

65062 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de koolvlieg [Control of the cabbage fly [Hylemya brassicae]]. Netherlands. Plantenziektenk. Dienst. Ber. 1039,2 p. Apr.8,1953. 464.9 N38

65063 NICOLI, R. M. Sur la validité du Phlebotomus perniciosus legeri (J. Mansion, 1913) (Nematocera, Psychodidae). Soc. de Path. Exot. B. 46:43-45. 1953. 448.9 So13

65064 PARAMONOV. S. J. A new African Apiocera species (Apioceridae, Diptera). Ent. Soc. South. Africa. J. 13:103-105. Sept.30,1950. 420 En86

65065 PARMENTER, L. Agathomyia falleni Zett. (Dipt., Platypezidae); an addition to the British list. Soc. Brit. Ent. J. 4:122-123. Mar.24,1953. 420 En85J

65066 PARMENTER, L. The hover-flies (Syrphidae). Ent. Rec. & J. Variation 65:122-126. (Cont.) Apr.1953. 421 En89

65067 PARMENTER, L. Some flies of small low sand dunes. Soc. Brit. Ent. J. 4:123. Mar.24,1953. 420 En85J

65068 PARROT, L., and DURAND-DELACRE, R. Notes sur les Phlébotomes. LXVI. Sur le mâle de Phlebotomus mascittii et sur sa présence en France. Inst. Pasteur d'Algérie. Arch.30:393-397. Ref. Dec.1952. 448.3 In7A

65069 PEPPER, J. O. Can we control those flies? Pa. Farmer 148:504-505. May 23,1953. 6 P383

65070 PERETZ, I., and TEICH, Y. An experiment to control the olive fly [Dacus oleae] by combined treatments. (In Hebrew.) Hassadeh 33:296-298. Feb./Mar. 1953. 26 H27

65071 PRITCHARD, A. E. The gall midges of California. Diptera: Itonididae (Cecidomyiidae). Calif. Insect Survey. B. 2:125-150. Ref. 1953. 420 C12

65072 QUARTERMAN, K. D., and MATHIS, W. Field studies on the use of insecticides to control fly breeding in garbage cans. Amer. J. Trop. Med. & Hyg. 1:1032-1037. Nov.1952. 448.8 Am326

65073 RAUN, E. S. Fly control—is it possible in 1953? Hoard's Dairyman 98:429,452. May 10,1953. 44.8 H65

65074 RINGDAHL, O. Phenological notes on the occurrence of south Swedish muscids during the winter half-year. (In Swedish.) Opusc. Ent. 18:27-30. 1953. 421 Op7
English summary.

65075 RIVOSECCHI, L. Contribution to the knowledge of Italian Stomoxydinae (Diptera, Muscidae). (In Italian.) Riv. di Parassitol. 14:29-36. Ref. Jan.1953. 436.8 R52
English summary.

65076 RYDÉN, N. Zur kenntnis der schweidschen minierer. XVI. Über Agromyziden-arten Zetterstedts und Fallens. Opusc. Ent. 18:13-16. 1953. 421 Op7

65077 SACCA, G., and RIVOSECCHI, L. Contribution to the knowledge of the fauna of the genus Sarcophaga in Italy (Diptera, Calliphoridae). (In Italian.) Riv. di Parassitol. 14:37-47. Ref. Jan.1953. 436.8 R52
English summary.

65078 SCHNEIDER, F. L. New Mex. Indians treat sheep for nose grubs [Oestrus ovis]. N. Mex. Stockman 18(5):50. May 1953. 49 N462

65079 SCHUURMANS STEKHOVEN, J. H. Algunas especies del genero "Basilia" Ribeiro y creación del nuevo genero "Guimarãesia." Acta. Zool. Lilloana 12: 101-115. 1951,pub.1952. 410 Ac82
Includes a new species in Basilia and Guimarãesia n. g.

65080 SCHUURMANS STEKHOVEN, J. H. Nuevos hechos relacionados con "Guimarãesia romañai" (Del Ponte). Acta Zool. Lilloana 12:551-561. 1951,pub.1952. 410 Ac82

65081 SCHUURMANS STEKHOVEN, J. H. Un representante raro del grupo de los Dipteros pupiparos; una especie del género Ascodipteron, parásito de Miniopterus schreibersi Kuhl. Acta Zool. Lilloana 10:479-487. 1952. 410 Ac82

65082 SEDEE, P. D. J. W. Qualitative vitamin requirements for growth of larvae of Calliphora erythrocephala (Meig). Experientia 9:142-143. Apr.15,1953. 475 Ex7

65083 ŞENGÜN, A. Über die wirkung der temperatur auf die riesenchromosomen der Chironomus- larven. Istanbul. Ü. Fen Fakül. Mecmuası. Ser. B, Tabif Ilimler 17:357-361. Oct.1952. 475 Is7

65084 SERGENT, E. La thimni, myiase oculo-nasale de l'homme causée par l'oestre du mouton. Inst. Pasteur d'Algérie. Arch. 30:319-361. Ref. Dec.1952. 448.3 In7A

65085 SHAW, F. R. A review of some of the more important contributions to our knowledge of the systematic relationships of the Sciaridae (Diptera). Hawaii. Ent. Soc. Proc. 15:25-32. Ref. 1952,pub.Mar.1953. 420 H312

65086 SPANN, J. Die sesshaftigkeit der dasselfliege [Hypoderma]. Auf der Alpe 4:26-27. Apr.1953. 18 Au3

65087 STEINER, H. Das ergebnis der kirschfruchtfliegenbekämpfung in Neidlingen, Kreis Nürtingen (1951 und 1952). Obstbau 75:69-71. Mar.1,1953. 80 Ob73
Rhagoletis cerasi.

65088 STEVENSON, R., and ST. CLAIR, J. H. Temperature as a factor in size and activity of wild populations of Drosophila. Reelfoot Lake Biol. Stn. Rpt. 17:43-48. Ref. Jan.1953. 442.9 R25

65089 STOTT, G. H., and GARDNER, E. J. The location of the two major genes responsible for the inheritance of tumorous head in Drosophila melanogaster. (Abs.) Utah Acad. Sci. Arts & Let. Proc. 29:50. 1951/52. 500 Ut1

65090 STRENZKE, K. Terrestrische Chironomiden XV. Bryophaenocladius nidorum (Edw.). Beitr. z. Ent. 2:529-542. Ref. Dec.1952. 421 B392

65091 THEODOR, O. On a collection of Phlebotomus from the Yemen. Wash. Acad. Sci. J. 43:119-121. Apr. 1953. 500 W276J

65092 TIMOND-DAVID, J. Découverte d'un Nemestrinidé remarquable à la Sainte-Baume: Neorhynchocephalus tauscheri (Fisch.). Entomologiste 8:119-122. 1952. 421 En814

65093 VAN DEN BOSCH, R., and HARAMOTO, F. H. Competition among parasites of the oriental fruit fly [Dacus dorsalis]. Hawaii. Ent. Soc. Proc. 15:201-206. 1952,pub.Mar.1953. 420 H312

65094 VAN EMDEN, F. I. Host-selection and systematic position of Amenilni (Diptera). Ent. Mon. Mag. 89: 120. May 1953. 421 En86

65095 VANSCHUYTBROECK, P. Contribution à l'étude des Celyphidae (Diptera Acalyptratae). Inst. Roy. des Sci. Nat. de Belg. B. 28(58),18 p. Ref. Nov.1952. 504 B835B
Includes new species in Celyphus, Spaniocelyphus, and Chamaecelyphus.

65096 VERGANI, F. Estudio sobre la vección de Tripanosomas por medio de Dipteros no vulnerantes. Venezuela. Inst. de Invest. Vet. B. 4:657-672. Dec.1952. 41.9 V552
English summary.

65097 WALLACE, H. R. Notes on the biology of Plastosciara pernitida Edwards and Plastosciara schineri Winnertz (Dipt., Sciaridae). Ent. Mon. Mag. 89:118-120. May 1953. 421 En86

65098 WIRTH, W. W. Biting midges of the heleid genus Stilobezzia in North America. U. S. Natl. Mus. Proc. 103:57-85. 1953. 500 Sm65P

65099 WIRTH, W. W., and BLANTON, F. S. Studies in Panama Culicoides (Diptera, Heleidae). III. A new species related to phlebotomus (Williston). Ent. News [Philadelphia] 64:113-120. May 1953. 421 En88

65100 ZUMPT, F. New Sarcophaga species from the Ethiopian region (Diptera: Calliphoridae). Ent. Soc. South. Africa. J. 14:171-199. Ref. Nov.30,1951. 420 En86

Culicidae

65101 ANSCHAU, M., and EXNER, H. Faunistische und ökologische untersuchungen an steirischen Culiciden. Z. f. Tropmed. u. Parasitol. 4:95-116. Ref. Oct.1952. 448.8 Z37
English summary.

65102 BHATIA, S. C. An exposure cell for use in residual insecticidal studies on mosquitoes. Indian J. Malariol. 6:139-143. Ref. June 1952. 448.8 In24

65103 DOBROTWORSKY, N. V. The Culex pipiens group in south-eastern Australia. I. Linn. Soc. N. S. Wales. Proc. 77:357-360. 1952,pub.Jan.20,1953. 514 Sy2
Includes Culex globocoxitus n. sp.

65104 FLOCH, H., DURIEUX, C., and KOERBER, R. Enquête épidémiologique sur la fièvre jaune en Guyane Française. Inst. Pasteur. Ann. 84:495-508. Ref. Mar.1953. 448.3 An75
Includes Aedes aegypti as vector.

65105 FOOTE, R. H. The pupal morphology and chaetotaxy of the Culex subgenera Melanoconion and Mochlostryax (Diptera, Culicidae). Ent. Soc. Wash. Proc. 55:89-100. Ref. Apr.1953. 420 W27

65106 FOX, I. Notes on Puerto Rican mosquitoes including a new species of Culex. J. Parasitol. 39:178-181. Ref. Apr.1953. 448.8 J824
Culex sardinerae n. sp.

65107 FRIEDMANN, M. Malaria infection limited to certain families. Doc. de Med. Geog. et Trop. 5:72-74. Mar.1953. 448.8 D65
Includes Anopheles as vectors.

65108 HALCROW, J. G. Preliminary observations on some possible tarsal sensillae of English mosquitoes. Entomologist 86:104-105. Apr.1953. 421 En8

65109 HOTTA, S. Dengue epidemics in Japan, 1942-1945. J. Trop. Med. & Hyg. 56:83. Apr.1953. 448.8 J827
Transmitted by mosquitoes.

65110 KARTMAN, L. On the problem of non-infective microfilariae. J. Parasitol. 39:296-299. June 1953. 448.8 J824
Anopheles quadrimaculatus host of Dirofilaria immitis.

65111 LEVI-CASTILLO, R. Die epidemiologie des buschgelbfiebers in der küstenebene von Ecuador. Z. f. Tropmed. u. Parasitol. 4:254-265. Ref. Mar.1953. 448.8 Z37
English summary.
Transmitted by Haemagogus spegazzinii.

65112 LEVI-CASTILLO, R. Estudios epidemiológicos sobre la fiebre amarilla selvatica en las provincias de Manabi y Esmeraldas de la zona costera de la República del Ecuador. Rev. Kuba de Med. Trop. y Parasitol. 8:76-81. Oct./Dec.1952. 448.8 R3282
Includes mosquitoes as vectors.

65113 LEVI-CASTILLO, R. Verläufige liste der stechmücken (Uranotaeniini, Toxorhynchitini, Culicini, Aedini und Sabethini) aus Ecuador (Diptera-Culicidae). Z. f. Tropmed. u. Parasitol. 3:552-559. Ref. May 1952. 448.8 Z37
English summary.

65114 LIVADAS, G. Is it necessary to continue indefinitely DDT residual spraying programmes? Relevant observations made in Greece. Riv. di Parassitol. 14:61-66. Ref. Jan.1953. 436.8 R52
Mosquito control.

65115 MATHIS, W., and QUARTERMAN, K. D. Field investigations on the use of heavy dosages of several chlorinated hydrocarbons as mosquito larvicides. Amer. J. Trop. Med. & Hyg. 2:318-324. Mar.1953. 448.8 Am326

65116 MORRISON, W. F. Notes on mosquitoes. Turtox News 31:86-88. May 1953. 442.8 T86

65117 MUSPRATT, J. A gynandromorph of a predatory mosquito. Ent. Soc. South. Africa. J. 14:24-25. May 31,1951. 420 En86

65118 MUSPRATT, J. Notes on Aëdes (Diptera, Culicidae) from Natal, with a description of a new species [A. strelitziae] of the subgenus Stegomyia. Ent. Soc. South. Africa. J. 13:73-79. Sept.30,1950. 420 En86

65119 NEL SAAVEDRA, P. Fiebre amarilla selvática. Almanaque Creditario 10:91-93. 1953. 9.4 AL6
Includes discussion of Aedes aegypti as vector.

65120 PAPPAS, G. D., and RUPPEL, R. F. A method of obtaining axenic larvae of Anopheles quadrimaculatus. Expt. Parasitol. 2:147-149. Ref. Apr.1953. 436.8 Ex7

65121 PONTE, E. DEL, and CASTRO, M. Las especies argentinas de Psorophora (Psorophora) (Dipt. Culic.). Soc. Ent. Argentina. Rev. 15:211-230. Ref. Dec.31,1952. 420 So14
English summary.

65122 RAMSAY, J. A. Exchanges of sodium and potassium in mosquito larvae. Expt. Biol. J. 30:79-89. Mar.1953. 442.8 B77
Aedes.

65123 REEVES, W. C. Quantitative field studies on a carbon dioxide chemotropism of mosquitoes. Amer. J. Trop. Med. & Hyg. 2:325-331. Mar.1953. 448.8 Am326

65124 REID, J. A. The Anopheles hyrcanus group in south-east Asia (Diptera: Culicidae). B. Ent. Res. 44: 5-76. Ref. Apr.1953. 421 B87

65125 RIOUX, J. A. Extension de l'aire de répartition d'Anopheles hyrcanus Pallas 1771 en Camargue. Ann. de Parasitol. Humaine et Compar. 28(1/2):127-128. 1953. 436.8 An7

65126 ROA URIARTE, E. El mosquito doméstico. Agrotecnia 8:44-50. Jan./Feb.1953. 8 Ag825

65127 ROBINSON, G. G. A new species [A. luteostriatus] of Aedes (Finlaya) from Northern Rhodesia. Ent. Soc. South. Africa. J. 13:80-82. Sept.30,1950. 420 En86

65128 SOEST, J. H. VAN., and THIEL, P. H. VAN. An epidemic of malaria in a home for the aged in the Netherlands. Doc. de Med. Geog. et Trop. 5:5-6. Mar. 1953. 448.8 D65
Includes Anopheles as vectors and DDT in their control.
From Nederlands Tijdschrift voor Geneeskunde.

65129 SUBRAMANIAN, R., and VAID, B. K. Some observations on rural malaria control using residual insecticides in wettable powder form. Indian J. Malariol. 6:215-218. June 1952. 448.8 In24
Benzene hexachloride and DDT.

65130 SUFFOLK COUNTY MOSQUITO CONTROL COMMISSION. Report for fiscal year beginning November 1, 1950, ending December 31, 1951. Yaphank,N.Y.,1952. 15 p. 42.8 Su2

65131 SUFFOLK COUNTY MOSQUITO CONTROL COMMISSION. Report for year beginning January 1, 1952, ending December 31, 1952. Yaphank,N. Y.,1953. 15 p. 42.8 Su2

65132 TOLEDO AREA SANITARY DISTRICT. Sixth annual report, 1952. Toledo,1952. 9 p. 449.9 T572
Mosquito control.

65133 VISWANATHAN, D. K., RAO, T. R., and BHATIA, S. C. The validity of estimation of Anopheles densities on the basis of hand collection on a timed basis from fixed catching stations. Indian J. Malariol. 6:199-213. June 1952. 448.8 In24

65134 WANSON, M. Observations sur les Taeniorhynchus du Stanley Pool. Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém. Collect. in-8° 25(4),46 p. Ref. 1953. 504 B8362M

65135 WHITE, R. A. S., LEWIS, G., and LEE, P. On swarming and mating in Anopheles aquasalis Curry. B. Ent. Res. 44:163-173. Ref. Apr.1953. 421 B87

65136 WILLIAMS, R. W. The growth stimulating effect of APF, terramycin hydrochloride, vitamin B_{12} and an undetermined factor "X" upon Aedes aegypti (L) (Diptera, Culicidae). Amer. J. Trop. Med. & Hyg. 2:109-114. Ref. Jan.1953. 448.8 Am326

HEMIPTERA (HETEROPTERA AND HOMOPTERA)

65137 ADACHI, M. S., and FULLAWAY, D. T. Two new diaspidid scales on Araucaria. Hawaii. Ent. Soc. Proc. 15:87-91. 1952,pub.Mar.1953. 420 H312
Pseudoparlatoria giffardi n. sp., and Octaspidiotus araucariae n. sp.

65138 BACCOLO, S. Experiments in control of Pseudococcus citri Risso. (In Italian.) B. di Zool. Agr. e Bachicolt. 18:107-115. 1952. 423.92 B63

65139 BAIR, R. A. What to do for aphids. Fla. Cattleman 17(9):40-41. June 1953. 43.8 F66
On Pangola grass pastures.

65140 BALACHOWSKY, A. S. Sur un nouveau genre [Trimerococcus] de Pseudococcini (Hom. Coccoidea) de la région d'Alger. Soc. d'Hist. Nat. de l'Afrique du Nord. B. 43:177-180. Oct./Dec.1952. 410.9 So125

65141 BARUC, J. D. The history of shellac; beneficient bug of India. Paint Indus. Mag. 68(4):13-15. Apr. 1953. 306.8 D84
Tachardia lacca.

65142 BIGGER, J. H., and PETTY, H. B. New control for chinch bugs [Blissus leucopterus]. Ill. Agr. Col. Ext. C. 707,4 p. Mar.1953. 275.29 IL62C

65143 BODENHEIMER, F. S. The Coccoidea of Turkey. I-II. Istanbul. Ü. Fen Fakül. Mecmuasi. Ser. B, Tabiî Ilimler 17:315-351; 18:1-61. (Cont.) Oct.1952,Jan. 1953. 475 Is7
Includes Forbesaspis anatolica n. sp., and Genistaspis n. g.

65144 BOND, J. A. B. Trunk absorption of a systemic chemical by coffee. B. Ent. Res. 44:97-100. Apr.1953. 421 B87
In control of the coffee mealybug, Planococcus kenyae.

65145 CAPENER, A. L. The genus Lobocentrus Stal (Membracidae). Ent. Soc. South. Africa. J. 15:77-82. May 31,1952. 420 En86

65146 CAPENER, A. L. A new genus [Leprechaunus] and species of membracid from South Africa. Ent. Soc. South. Africa. J. 13:99-102. Sept.30,1950. 420 En86

65147 CAPENER, A. L. Sexually dimorphic Membracidae from Southern Africa. Ent. Soc. South. Africa. J. 14:152-164. Nov.30,1951. 420 En86

65148 CARVALHO, J. C. M. A new species of Trilaccus Horvath, 1902 (Hem., Miridae). Entomologist 86:88-89. Apr.1953. 421 En8

65149 CHUCHUY, M. E. Un insecto perjudicial del malvón Sibovia sagata (Sign.). Acta Zool. Lilloana 10: 99-104. 1952. 410 Ac82
English summary.

65150 CREUZBURG, U. Bekämpfung der San José-schildlaus [Aspidiotus perniciosus] mit esterpräparaten nach kospenaufbruch. Pflanzenarzt 6(4):1-2. Apr.1,1953. 464.9 P482

65151 DIETZE, H. Aquatile Hemipteren und Coleopteren inmitten einer grossstadt. Beitr. z. Ent. 2:634-636. Dec.1952. 421 B392

65152 DOCTERS VAN LEEUWEN, W. M. Does Copium cornutum occur in the Netherlands? (In Dutch.) Ent. Ber. 14:222. Feb.1,1953. 420 N38B

65153 DRAKE, C. J., and DECARLO, J. A. American species of Ranatra annulipes Stål group (Hemiptera: Ranatridae). Wash. Acad. Sci. J. 43:109-117. Apr.1953. 500 W276J
Includes new species of Ranatra.

65154 DRAKE, C. J. The genus Parada Horvath (Hemiptera: Tingidae). Psyche 59:143-147. Dec.1952. 421 P95
Includes new species.

65155 DUMBLETON, L. J. A note on Aleuroplatus (Orchamus) samoanus Laing (Hemiptera-Homoptera: Aleyrodidae). Hawaii. Ent. Soc. Proc. 15:21-22. 1952, pub.Mar.1953. 420 H312

65156 DURR, H. J. R. The effect of parathion on the pernicious scale Aspidiotus perniciosus Comst. Ent. Soc. South. Africa. J. 14:200-201. Nov.30,1951. 420 En86

65157 DUSPIVA. Der kohlenhydratumsatz bei Rhynchoten (blattläusen), als beitrag zum problem der stofflichen wechselbeziehung zwischen saugenden insekten und ihren wirtspflanzen. (Abs.) Angew. Chem. 65:163. Mar.21,1953. 384 Z33

65158 GOTZ, B. Warum noch mit schwefelkohlenstoff gegen die reblaus? Bauern-Ztg. 6(17):7-8. May 1,1953. 18 B324
Phylloxera.

65159 GRAVESTEIN, W. H. Nine Hemiptera new to the Netherlands. (In Dutch.) Tijdschr. v. Ent. 95:CXIV-CXVIII. Dec.20,1952. 421 T21

65160 HASSEWER, W. L. Le puceron lanigere [Eriosoma lanigerum]. Cour. Hort. 15:168-169. Mar.1953. 80 C834

65161 ISHIHARA, T. A new species of Delphacidae from Shikoku, Japan (Hemiptera). Mushi 24:5-6. Nov.15, 1952. 421 M97
In Stenocranus.

65162 IZZARD, R. J. Notes on the genera Oxyrhachis Germar 1835, Pedalion Buckton 1903, Gongroneura Jacobi 1910 and Negus Jacobi 1910 (Homoptera, Membracidae). Ent. Mon. Mag. 89:116-117. May 1953. 421 En86

65163 JANEŽIĆ, F. Possibility of laboratory-testing the efficacy of dormant spray-materials against San Jose scale [Aspidiotus perniciosus]. (In Serbo-Croatian.) Zaštita Bilja 15:74-77. 1953. 464.8 Z1
English summary.

65164 JENKINS, C. F. H., and SHEDLEY, D. G. The citrus white fly (Aleuroplatus citri Tak.). West. Austral. Dept. Agr. J. (ser.3)2:49-51,53,55. Jan./Feb. 1953. 23 W52J

65165 JOLY, R. Les lophyres des pins. Rev. Forest. Franç. 4:269-272. Apr.1953. 99.8 R329
Diprion.

65166 KABOS, W. J. Synecological observations on Hemiptera and Diptera of the Ameland dunes. (In Dutch.) Tijdschr. v. Ent. 95:CXIX-CXXI. Dec.20,1952. 421 T21

65167 KNOWLTON, G. F. Pea aphid [Macrosiphum pisi] control on peas. Utah. State Agr. Col. Ext. C. 187, 2 p. Apr.1953. 275.29 Ut1

65168 KORMILEV, N. A., and PIRÁN, A. A. Una especie nueva del género Glyphepomis Berg (1891) de la Argentina (Hemiptera, Pentatomidae). Soc. Ent. Argentina. Rev. 15:302-306. Dec.31,1952. 420 So14
English summary.

65169 KRUSEMAN, G. Psithyrus meridionalis Rich., ab. de-boeri, nov. ab. Ent. Ber. 14:266. May 1,1953. 420 N38B

65170 LALLEMAND, V., and SYNAVE, H. Contribution à l'étude des Homoptères. II. Détermination d'Homoptères de l'Institut Royal des Sciences Naturelles de Belgique. Inst. Roy. des Sci. Nat. de Belg. B. 28(29),28 p. Apr. 1952. 504 B835B
Includes new species in Callitettix and Abidama.

65171 LAOH, J. P. Control of Helopeltis with DDT and other chlorinated insecticides. (In Dutch.) Bergcultures 22:84-88. Mar.1,1953. 22.5 B45
English summary.
On tea and cacao.

65172 LESTON, D. A note on oligomery in Lygaeidae Hem.). Ent. Gaz. 4:133-134. Apr.1953. 421 En834

65173 LIMA, A. DA C., and MENDES, D. On a collection of Apiomerus of the Argentine Museum of Natural Sciences "Bernardino Rivadavia" (Hem. Reduviidae). (In Portuguese.) Soc. Ent. Argentina. Rev. 15:207-210. Dec.31,1952. 420 So14
Includes new species.

65174 LOFTIN, H. 17-year "locusts" emerge. Sci. News Let. 63:298-299. May 9,1953. 470 Sci24
Magicicada septendecin.

65175 LOWER, H. F. A revision of Australian species previously referred to the genus Empoasca (Cicadellidae, Homoptera). Linn. Soc. N. S. Wales. Proc. 76:190-221. Ref. 1951,pub.Jan.15,1952. 514 Sy2
Includes Austroasca n. g.

65176 MADSEN, H. F., and BORDEN, A. D. Aphid damage to pears; petal-fall application of parathion or malathon will effectively control all species damaging to pear fruit. Calif. Agr. [Calif. Sta.] 7(3):5. Mar.1953. 100 C12Cag
Control of Aphis gossypii, A. rumicis, and Myzus persicae.

65177 MEER, F. A. VAN DER. Observations on some Rubus-aphids. (In Dutch.) Tijdschr. v. Ent. 95:CVII-CXII. Dec.20,1952. 421 T21
English summary.

65178 MICHELBACHER, A. E., BACON, O. G., and DAVIS, C. S. Walnut aphid [Chromaphis juglandicola] study shows systox promising material for conditions in northern California. Calif. Agr. [Calif. Sta.] 7(4):10. Apr.1953. 100 C12Cag

65179 MOERICKE. Wie finden geflügelte blattläuse ihre wirtspflanze? (Abs.) Angew. Chem. 65:163. Mar. 21,1953. 384 Z33

65180 MORITSU, M. The fern aphids in Japan. Yamaguti U. Facul. Agr. B. 3:25-28. 1952. 107.6 Y14
Shinjia pteridifoliae, Amphorophora dryopteridis, and Myzus woodwardiae hinoi.

65181 MYBURGH, A. C., and KRIEGLER, P. J. Summer spraying with parathion for control of mealy bugs [Pseudococcus maritimus and Pseudococcus citri] on table grapes. Farming So. Africa 28:65-67. Feb.1953. 24 So842

65182 NARAYANAN, E. S., and CHATTERJI, S. A new species of Triphleps (Hemiptera, Heteroptera: Anthocoridae) predaceous on storage pests in India. Zool. Soc. Bengal. Proc. 5:163-166. Sept.1952. 410.9 Z73
T. sinui n. sp.

65183 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. DIV. OF SCIENCE SERV. The black peach aphid (Anuraphis persicae-niger). N. S. Wales. Dept. Agr. Insect Pest L. 19,3 p. 1952. 423.92 N47

65184 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. DIV. OF SCIENCE SERV. Citrus aphids (Toxoptera aurantii and Aphis citricidus). N. S. Wales. Dept. Agr. Insect Pest L. 70,2 p. 1952. 423.92 N47

65185 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. DIV. OF SCIENCE SERV. San José scale (Quadraspidiotus [i.e. Aspidiotus] perniciosus). N. S. Wales. Dept. Agr. Insect Pest L. 27,2 p. 1952. 423.92 N47

65186 NICKELL, W. P. The seventeen year cicada [Magicicada septendecim]. Cranbrook Inst. Sci. News Let. 22:82-83. May 1953. 410.9 C85N

65187 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Fruit tree pests-aphids and apple sucker. North. Ireland Min. Agr. L. 11,8 p. Feb.1953. 10 N81

65188 PARKER, W. Find new parasites that may keep scale insects under control. Citrus Leaves 33(5):6-7,34-36,42. May 1953. 80 C492

65189 PARKS, T. H. Western Ohio to hear whirring of cicadas [Cicada septendecim]. Ohio Farmer 211(9):18-19. May 2,1953. 6 Oh3

65190 PENN, G. H. Additional records of aquatic Hemiptera in Louisiana. II. La. Acad. Sci. Proc. 15:49-55. Ref. 1952. 500 L932

65191 PLUMB, G. H. The formation and development of the Norway spruce gall caused by Adelges abietis L. Conn. (State) Agr. Expt. Sta. B. 566,77 p. Ref. Jan.1953. 100 C76St

65192 POPHAM, E. J. The arrangement of the Ommatidia in the eyes of Corixa distincta (Fieb.) (Hem., Corixidae) and its relation to the posture positions of this insect. Ent. Mon. Mag. 89:100-102. May 1953. 421 En86

65193 PUSSARD, R. À propos de la présence en France de Dialeurodes citri Ril. et How. (Hém. Aleyrodidae). Acad. d'Agr. de France. Compt. Rend. 39:199-201. Feb.11/18,1953. 14 P215Bc

65194 RAO, V. P. On the life-history and biology of the Indian neem mealy scale insect, Pulvinaria maxima (Green). Banaras Hindu U. J. Sci. Res. 2:171-188. Ref. 1951/52. 330.9 B43

65195 REMAUDIÈRE, G. Contribution a l'étude des Aphidoidea de la faune française description de quelques Aphididae nouveaux et addition a la liste des Myzinae et Dactynotinae. Rev. de Path. Vég. et d'Ent. Agr. de France 31:232-263. Ref. Oct./Dec.1952. 464.9 So1
Includes Cerosipha carolibörneri n. sp.

65196 REYNE, A. Ripersia wünni s. sp. (Pseudococcidae). Ent. Ber. 14:235-239. Mar.1,1953. 420 N38B

65197 ROLAND, G. Sur un essai de lutte contre les pucerons en vue de limiter la propagation des virus attaquant la pomme de terre. Parasitica 9:6-10. 1953. 464.8 P21

65198 SCHENK, P. J. Aphids on currants. (In Flemish.) Cult. en Handel 19:263-264. May 1953. 80 C892

65199 SCHMUTTERER, H. Uber drei neue an gräsern lebende schildlausarten der deutschen fauna (Homoptera: Coccoidea). Beitr. z. Ent. 2:554-566. Dec.1952. 421 B392
Rhodania occulta and Trionymus singularis n.spp.

65200 SCHREAD, J. C. Control of the andromeda lace bug [Stephanitis globulifer] and the holly leaf miner [Phytomyza ilicis]. Conn. (State) Agr. Expt. Sta. B. 568, 13 p. Mar.1953. 100 C76St
Pests of Pieris japonica and Ilex opaca.

65201 SEDLAG, U. Wurzelläuse an futter- und zuckerrüben. Anz. f. Schadlingsk. 26:51-52. Apr.1953. 421 An9
Pemphigus.

65202 SEGERROS, S. A. "Curly disease" and "worm in carrot." (In Swedish.) Lantbrtidskr. f. Dalarna 2:68-69. Apr.1953. 11 L29
Due to Trioza viridula Zett. and Psila rosae Fbr.

65203 SHIRAHAMA, K., and MOTOHASHI, S. Relation between the population of winged aphids infesting radish seedlings and infection of radish by mosaic virus. III. (In Japanese.) Phytopath. Soc. Japan. Ann. 16:121-122. Sept.1952. 464.9 P562

65204 SINNAMON, E. European elm scale control. Green Thumb [Denver] 10(5):40. May 1953. 80 G82
Gossyparia spuria.

65205 SPENCER, H., and NORMAN, P. A. Parathion for control of purple scale [Lepidosaphes beckii] on early varieties of oranges. Citrus Mag. 15(9):30-32. May 1953. 80 C498

65206 STAFFORD, E. M., and JENSEN, F. L. DDT resistant leafhoppers; malathon outstanding for grape leafhopper control in tests in areas where DDT resistance was present. Calif. Agr. [Calif. Sta.] 7(4):5,12. Apr. 1953. 100 C12Cag

65207 STARNES, O. The periodical cicada [Magicicada septendecim]. N. J. Agr. Col. Ext. L. 107,2 p. May 1953. 275.29 N46L

65208 STEYN, J. J. The effect of low calcium, phosphorus or nitrogen on the lifecycle of red scale (Aonidiella aurantii Mask.). Ent. Soc. South. Africa. J. 14: 165-170. Nov.30,1951. 420 En86

65209 SYNAVE, H. Description de deux Cixiidae nouveaux appartenant au genre Achaemenes Stål, et note préliminaire sur un Cixiide troglobie. Inst. Roy. des Sci. Nat. de Belg. B. 28(60),8 p. Nov.1952. 504 B835B

65210 TAKAHASHI, R. Some Malayan species of Aleyrodidae (Homoptera). Mushi 24:21-27. Nov.15,1952. 421 M97
Includes new species in Rachisphora and Aleurotrachelus.

65211 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The periodical cicada [Magicicada septendecim]; the 17-year locust. U. S. D. A. L. 340,8 p. May 1953. 1 Ag84L

65212 WAGNER, E. Neuer beitrag zur systematik der gattung Temnostethus Fieb. (Hem. Het. Anthocoridae). Münch. Ent. Gesell. Mitt. 42:158-161. Nov.15,1952. 420 M922
Includes a new species.

65213 WAGNER, W. Eine neue Macropsis-art (Hem. Hom.) aus den Niederlanden. Ent. Ber. 14:232-234. Mar.1,1953. 420 N38B

65214 WIGGLESWORTH, V. B. The origin of sensory neurones in an insect, Rhodnius prolixus (Hemiptera). Q. J. Micros. Sci. 94:93-112. Ref. Mar.1953. 440.8 Q2

65215 WILLIAMS, G. Field observations on the cacao Mirids, Sahlbergella singularis Hagl. and Distantiella theobroma (Dist.), in the Gold Coast. I. Mirid damage. B. Ent. Res. 44:101-119. Ref. Apr.1953. 421 B87

65216 WOOD-BAKER, C. S. Records of seventy European aphids (Hem.). Ent. Mon. Mag. 89:108-113. May 1953. 421 En86

65217 WOODWARD, T. E. The Heteroptera of New Zealand. I. Introduction; Cydnidae; Pentatomidae. Roy. Soc. New Zeal. Trans. 80:299-321. Feb.1953. 514 W46
Includes new species in Rhopalimorpha.

65218 WYGODZINSKY, P. Sobre algunos Cryptostemmatidae, principalmente de la Argentina (Hemiptera). Acta Zool. Lilloana 10:51-74. 1952. 410 Ac82
English summary.
Includes new species in Cryptostemma, Nannocoris, Membracioides, and Schizoptera.

65219 YOKOO, T. Meteorological studies on the outbreak on a large scale and abnormal mass-flight of the rice plant-hoppers in west Japan. (In Japanese.) Saga U. Agr. B. 1:123-133. Oct.1952. 107.6 Sa13
English summary.
Sogota furcifera and Nilaparvata oryzae.

HYMENOPTERA

65220 ALAM, S. M. Studies on "skeleto-muscular mechanism" of the male genitalia in Stenobracon deesae Cam. (Hymenoptera: Braconidae). Beitr. z. Ent. 2:620-634. Ref. Dec.1952. 421 B392

65221 ARNOLD, G. The genus Hagensia Forel (Formicidae). Ent. Soc. South. Africa. J. 14:53-56. May 31,1951. 420 En86

65222 BENOIT, P. L. G. Contribution à la connaissance des Ichneumonides de l'Afrique Occidentale. I. Inst. Franç. d'Afrique Noire. B. 15:543-548. Apr.1953. 515 D14
Includes new species in Celor and Cremastus.

65223 BESS, H. A. Cattleya wasp [Eurytoma orchidearum] damages collections. Hawaii Farm Sci. [Hawaii Sta.] 1(5):3,6. Apr.1953. 100 H314

65224 BOHART, G. E., and KNOWLTON, G. F. Notes on mating, prey provisioning, and nesting of Sphex procerus (Dahlbom) (Hymenoptera, Sphecidae). Ent. Soc. Wash. Proc. 55:100-101. Apr.1953. 420 W27

65225 BROWN, W. L. Characters and synonymies among the genera of ants. Breviora 11,13 p. Mar.20, 1953. 410 B75

65226 BUTCHER, J. W. Preliminary field evaluations of endrin and dieldrin for control of the larch sawfly [Lygaeonematus erichsonii]. Minn. Forestry Notes 17, 2 p. May 15,1953. 99.8 M662

65227 BYTINSKI-SALZ, H. The zoogeography of the ants in the Near East. Istanbul. Ü. Fen Fakül. Mecmuası. Ser. B, Tabiî Ilimler 18:67-74. Ref. Jan.1953. 475 Is7

65228 COLE, A. C. A checklist of the ants (Hymenoptera: Formicidae) of the Great Smoky Mountains National Park, Tennessee. Reelfoot Lake Biol. Sta. Rpt. 17:34-35. Jan.1953. 442.9 R25

65229 COLE, A. C. Studies of New Mexico ants (Hymenoptera: Formicidae). I-III. Reelfoot Lake Biol. Sta. Rpt. 17:81-85. Jan.1953. 442.9 R25
Includes a new species in Myrmica.

65230 COOK, T. W. The ants of California. Palo Alto,Calif.,Pacific Books,1953. 462 p. Ref. 426 C773

65231 CREIGHTON, W. S. Pseudomyrmex apache, a new species from the southwestern United States (Hymenoptera: Formicidae). Psyche 59:131-142. Dec.1952. 421 P95

65232 CREIGHTON, W. S. Studies on Arizona ants. 4. Camponotus (Colobopsis) papago, a new species from southern Arizona. Psyche 59:148-162. Dec.1952. 421 P95

65233 CROOKE, M. Some notes on Anoplonyx destructor Benson. B. Ent. Res. 44:77-82. Apr.1953. 421 B87

65234 DINTHER, J. B. M. VAN. An unusual nest (Hym.). (In Dutch.) Tijdschr. v. Ent. 95:CI-CIII. Dec.20, 1952. 421 T21

65235 DOMENICHINI, G. Morphology, variability of characteristics, and species mapping of Anagyrus pseudococci Gir. (Hymen. Chalcidoidea). (In Italian.) B. di Zool. Agr. e Bachicolt. 18:117-181. Ref. 1952. 423.92 B63
English summary.

65236 DROST, W. J. Watch for the plum sawfly. (In Dutch.) Groenten en Fruit 8:789. Apr.16,1953. 80 G89
Hoplocampa minuta and H. flavia.

65237 DURR, H. J. R. Organic insecticides for the control of the Argentine ant [Iridomyrmex humilis] in trellised vines. Farming So. Africa 28:68-70. Ref. Feb. 1953. 24 So842

65238 EDNEY, E. B. The Holonychinae (family Chrysididae) in South Africa. III. Trichrysis Licht. South. Rhodesia Natl. Mus. Occas. Papers 2:532-539. Feb.18, 1953. 515 R342

65239 ERDOS, J. Observationes systematicae supra familiam Eurytomidarum. Folia Ent. Hungarica (n.s.)5: 109-126. Ref. 1952. 420 So12
New species in Decatoma, Gahaniola n.g., and Systole.

65240 FAHLANDER, K. Three Swedish sand wasps. (Hym. Acul.). (In Swedish.) Opusc. Ent. 18:64. 1953. 421 Op7
German summary.

65241 FRANZ, E. Eichenknoppern. Nat. u. Volk 82: 361-365. Nov.1,1952. 509 F856
Cynips quercuscalicis.

65242 FRISCH, K. VON. Hummeln als unfreiwillige transportflieger. Nat. u. Volk 82:171-172. June 1,1952. 509 F856
Antherophagus transported by Bombus pratorum.
Comment by F. Rüschkamp, p. 301, Sept.1952.

65243 FULLAWAY, D. T. Three new species of Eurytoma (Hymenoptera: Eurytomidae). Hawaii. Ent. Soc. Proc. 15:33-36. 1952,pub.Mar.1953. 420 H312

65244 HAGEN, K. S. A premating period of certain species of the genus Opius (Hymenoptera: Braconidae). Hawaii. Ent. Soc. Proc. 15:115-116. 1952,pub.Mar.1953. 420 H312

65245 HASE, A. Zur bekämpfung lästiger ameisen im freien. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 40:248-257. Aug./Sept.1952. 449.8 Z36

65246 HIRASHIMA, Y. Descriptions and records of bees of the genus Andrena from eastern Asia. II. (Hymenoptera, Andrenidae). Mushi 24:29-33. Nov.15,1952. 421 M97
Includes new species.

65247 HIRASHIMA, Y. Description of Andrena yasumatsui n. sp., with a provisional key to the subgenera of palaearctic Andrena (Hymenoptera, Andrenidae). Mushi 24:59-65. Nov.15,1952. 421 M97

65248 INVREA, F. First contribution to the study of the Mutillidae of the island of Sardinia. (In Italian.) B. di Zool. Agr. e Bachicolt. 18:81-86. 1952. 423.92 B63

65249 KENNERLY, A. B. Farmers like methyl bromide for cut ants [Atta texana]. Down Earth 9:16. Summer 1953. 381 D75

65250 KERRICH, G. J. A review, and a revision in greater part, of the Cteniscini of the Old World (Hym., Ichneumonidae). Brit. Mus. (Nat. Hist.) B. Ent. 2:305-460. Ref. 1952. 420 B773
Includes new species in Exenterus, Anisoctenion, Eudiaborus n. g., Parexyston n. g., Smicroplectrus, and Cteniscus.

65251 KROMBEIN, K. V. A note on the nesting habits of Megachile texana Cresson (Hymenoptera, Megachilidae). Ent. Soc. Wash. Proc. 55:84-85. Apr.1953. 420 W27

65252 KUSNEZOV, N. Acerca de las hormigas simbióticas del género Martia Forel (Hymenoptera, Formicidae). Acta Zool. Lilloana 10:717-722. 1952. 410 Ac82

65253 KUSNEZOV, N. Un caso de ergatandromorfismo en Lasiophanes nigriventris Spin. (Hymenoptera, Formicidae). Acta Zool. Lilloana 10:153-162. 1952. 410 Ac82
English summary.

65254 KUSNEZOV, N. "Descolemyrma ogloblini" genero y especie nuevos de la tribu "Attini" (Hymenoptera, Formicidae). Acta Zool. Lilloana 11:459-465. 1951. 410 Ac82

65255 KUSNEZOV, N. El estado real del grupo Dorymyrmex Mayr (Hymenoptera, Formicidae). Acta Zool. Lilloana 10:427-448. 1952. 410 Ac82
English summary.
Includes new species in Conomyrma.

65256 KUSNEZOV, N. El género "Camponotus" en la Argentina (Hymenoptera, Formicidae). Acta Zool. Lilloana 12:183-252. 1951,pub.1952. 410 Ac82
Includes new species.

65257 KUSNEZOV, N. El género Oligomyrmex Mayr en la Argentina (Hymenoptera, Formicidae). Acta Zool. Lilloana 10:183-187. 1952. 410 Ac82
Includes new species.

65258 KUSNEZOV, N. El genero "Pheidole" en la Argentina (Hymenoptera, Formicidae). Acta Zool. Lilloana 12:5-88. 1951,pub.1952. 410 Ac82
Includes new species in Elasmopheidole and Pheidole.

65259 KUSNEZOV, N. El genero "Pogonomyrmex" Mayr (Hym., Formicidae). Acta Zool. Lilloana 11:227-333. 1951. 410 Ac82
Includes new species.

65260 KUSNEZOV, N. El género Wasmannia en la Argentina (Hymenoptera, Formicidae). Acta Zool. Lilloana 10:173-182. 1952. 410 Ac82

65261 KUSNEZOV, N. "Lasiophanes" Emery en la Patagonia. Acta Zool. Lilloana 12:89-100. 1951,pub. 1952. 410 Ac82

65262 KUSNEZOV, N., and GOLBACH, R. Lista de las especies argentinas de la tribus Dacetini, Hymenoptera, Formicidae. Acta Zool. Lilloana 10:423-426. 1952. 410 Ac82

65263 KUSNEZOV, N. "Myrmelachista" en la Patagonia (Hymenoptera, Formicidae). Acta Zool. Lilloana 11:353-365. Ref. 1951. 410 Ac82
Includes new species.

65264 LANGER, R. Die getreide-ameise [Messor barbarus structor], eine mittelmeerländische art im Rheintal. Nat. u. Volk 82:295-298. Sept.1,1952. 509 F856

65265 LITH, J. P. VAN. Observations on some Chrysididae. (In Dutch.) Ent. Ber. 14:225-227. Mar.1, 1953. 420 N38B
English summary.

65266 MAA, T. An inquiry into the systematics of the tribus Apidini or honeybees (Hym.). Treubia 21:525-640. Ref. Feb.15,1953. 410 T72

65267 MACCANTI, M. Control of Hoplocampa. (In Italian.) Agr. Ferrarese 56:108-109. May 31,1952. 16 Ag87

65268 MAKSIMOVIĆ, M. A heavy attack of sawfly Diprion pini L. in Rugovska Klisura. (In Serbo-Croatian.) Zaštita Bilja 15:99-100. 1953. 464.8 Z1
English summary.

65269 MARKMANN, B. Schutz unserer wälder durch die rote waldameise [Formica rufa]. Wald 3:30. Jan. 1953. 99.8 W143

65270 MÓCZÁR, L. Die wegwespen (Hym., Pompilidae). (In Hungarian.) Folia Ent. Hungarica (n.s.)5:73-108. Ref. 1952. 420 So12
German summary.

65271 NAEGELE, J. A. Protect your birches [Betula]. N. Y. State Turf Assoc. B. 45:174. May 1953. 60.19 N42
Control of Fenusa pusilla.

65272 NEUBECKER, F. Ameisen-rauchsäulen. Nat. u. Volk 82:233-235. July 1,1952. 509 F856
Myrmica scabrinodis.

65273 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. DIV. OF SCIENCE SERV. The Argentine ant (Iridomyrmex humilis). N. S. Wales. Dept. Agr. Insect Pest L. 111,7 p. 1952. 423.92 N47

65274 O'REILLY, J. The swarming killers of the jungle. Sat. Evening Post 225(46):36,177,179-182. May 16,1953. 110 Sa8
Eciton burchelli and E. hamatum.

65275 PARROTT, A. W. A systematic catalogue of Australian Braconidae. Pacific Sci. 7:193-218. Apr. 1953. 475 P11

65276 PÉREZ ALCALÁ, R. The leaf-cutting ants [Atta] in Bolivia. Plant Protect. B. [Rome] 1:74. Feb. 1953. 421 P692

65277 RAO, B. R. S. Articulation of propectus with head in Lestodryinus pyrillae Kieff. (Dryinidae Hymenoptera). Cur. Sci. 22:87. Mar.1953. 475 Sci23

65278 SAKAGAMI, S. F. Zur Cynipoidenfauna Japans und seiner nachbarländer (Hymenoptera). Mushi 24:67-79. Ref. Nov.15,1952. 421 M97

65279 SANTIS, L. DE. Calcidoideos argentinos, nuevos y conocidos (Hymenoptera). Soc. Ent. Argentina. Rev. 15:266-276. Dec.31,1952. 420 So14
Includes new species in Proanastatus n. gen. and Lathrogramma n. gen.

65280 SCHALLER, F. Wasserzikaden [Sigara]. Nat. u. Volk 82:350-354. Nov.1,1952. 509 F856

65281 SCHWEISHEIMER, W. What to do for bee stings. Sci. Digest 33(6):45-47. June 1953. 470 Sci27

65282 SHURTLEFF, M. C. Ant control in and around the home. R. I. State Col. Ext. Mimeog. C. 79,5 p. Sept. 1952. 275.29 R34M

65283 SKAIFE, S. H. A new type of artificial nest for ants and termites. Ent. Soc. South. Africa. J. 14:44-52. Ref. May 31,1951. 420 En86

65284 SKAIFE, S. H. The yellow-banded carpenter bee, Mesotrichia caffra Linn, and its symbiotic mite, Dinogamasus braunsi Vitzthun. Ent. Soc. South. Africa. J. 15:63-76. Ref. May 31,1952. 420 En86

65285 SMITH, M. R. A revision of the genus Rombionella W. M. Wheeler (Hymenoptera: Formicidae). Hawaii. Ent. Soc. Proc. 15:75-80. 1952,pub.Mar.1953. 420 H312

65286 THALENHORST, W. Vorzeitiger zusammenbruch einer massenvermehrung von Gilpinia [i.e.Diprion] frutetorum F. (Hym., Diprionidae). Anz. f. Schadlingsk. 26:53-56. Apr.1953. 421 An9

65287 TRABER, A. Aus dem leben der mörtelbiene [Chalicodoma muraria]. Kosmos 49:215-217. May 1953. 474 K842

65288 UCHIDA, T. Ichneumonologische ergebnisse der japanischen wissenschaftlichen Schansi-Provinz, China-expedition im jahre 1942. Mushi 24:39-58. Nov.15, 1952. 421 M97
Includes new species in Ichneumon, Melanichneumon, Caenocryptus, Conoblasta, Exochus and Anomalon.

65289 VECHT, J. VAN DER, and WILCKE, J. The Hemipepsis species of Java (Hym., Pompilidae). Treubia 21:685-724. Feb.15,1953. 410 T72

65290 VECHT, J. VAN DER. Parallel development of the color pattern in spider wasps (Hym., Pompilidae) in South East Asia. (In Dutch.) Tijdschr. v. Ent. 95:XCVIII-CI. Dec.20,1952. 421 T21

65291 WALLEY, G. S. Hymenopterous parasites of Choristoneura pinus Free. (Lepidoptera: Tortricidae) in Canada. Canad. Ent. 85:152. Apr.1953. 421 C16

65292 WHEELER, G. C., and WHEELER, J. The ant larvae of the Myrmicine tribe Pheidolini (Hymenoptera, Formicidae). Ent. Soc. Wash. Proc. 55:49-84. Ref. Apr. 1953. 420 W27

65293 WILLINK, A. Las especies argentinas y chilenas de "Chlorionini" (Hym., Sphecidae). Acta Zool. Lilloana 11:53-225. Ref. 1951. 410 Ac82
English summary.
Includes new species in Isodontia and Chlorion.

65294 WILLINK, A. Los véspidos sociales argentinos, con exclusión del género Mischocyttarus (Hym., Vespidae). Acta Zool. Lilloana 10:105-151. Ref. 1952. 410 Ac82
English summary.

65295 WILLINK, A. Sphecidos neotropicales. I. (Hymenoptera). Acta Zool. Lilloana 10:167-171. 1952. 410 Ac82
English summary.

65296 YASUMATSU, K., and YAMAMOTO, S. Comparisons on the reproductive capacity among Anicetus ceroplastis Ishii reared from Ceroplastes rubens Maskell feeding on different host plants. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:27-33. Feb.1953. 107.6 K995B
English summary.

65297 YASUMATSU, K. Preliminary investigations on the activity of a Kyushu race of Anicetus ceroplastis Ishii which has been liberated against Ceroplastes rubens Maskell in various districts of Japan. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:17-26. Ref. Feb.1953. 107.6 K995B
English summary.

65298 YASUMATSU, K. Some considerations on the reproductive capacity of a Kyushu race of Anicetus ceroplastis Ihii, an effective parasite of Ceroplastes rubens Maskell in Japan. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:7-15. Feb.1953. 107.6 K995B
English summary.

65299 ZIKAN J. F. Polymorphismus und ethologie der sozialen faltenwespen (Vespidae Diploptera). Acta Zool. Lilloana 11:5-52. Ref. 1951. 410 Ac82
Rio de Janeiro, Brazil.

See also Apiculture and Apis mellifera.

LEPIDOPTERA

65300 ALFARO, A. El "agusanado" o "barreno" de manzanas y peras [Carpocapsa pomonella]. Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 59:30-31. Apr.1953. 15 Sa7

65301 AMSEL, H. G. Über einige von Hampson beschriebene paläarktische Pyraliden (Leipdoptera: Pyralidae). Münch. Ent. Gesell. Mitt. 42:40-70. Nov.15,1952. 420 M922

65302 BACCOLO, S. Experiments in control of Cydia [i. e. Carpocapsa] pomonella L. (In Italian.) B. di Zool. Agr. e Bachicolt. 18:87-105. Ref. 1952. 423.92 B63

65303 BARNES, G. Control of cotton bollworm in Arkansas. Acco Press 31(5):15-17. May 1953. 6 Ac2
Pectinophora gossypiella.

65304 BARREAU, F. Abraxas grossulariata-zwitter. Ent. Z. 63:13. Apr.15,1953. 421 En85

65305 BEEBE, R. Sampling Michigan Lepidoptera by the fixed light trap. Lepidopterists' News 7:28. 1953. 421 L554

65306 BEINGOLEA G., O. Las malváceas y el Pectinophora gossypiella. Peru. Dir. Gen. de Agr. B. 3/4:40-43. First/Second Q.1952. 9.8 P438

65307 BENANDER, P. Rare Microlepidoptera from Kullaberg. (In Swedish.) Opusc. Ent. 18:31-32. 1953. 421 Op7
English summary.

65308 BENJAMIN, D. M. The jack-pine budworn [Choristoneura] in Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 396,1 p. Apr.1953. 1.9 F7625T

65309 BENTINCK, G. A. New or rare Lepidoptera in 1951 and earlier. (In Dutch.) Tijdschr. v. Ent. 95:CXIII-CXIV. Dec.20,1952. 421 T21

65310 BETREM, J. G. The genotypes of the Indo-Australian Psychidae (Lepidoptera). Tijdschr. v. Ent. 95: 331-340. Dec.20,1952. 421 T21

65311 BETZ, J. T. Hypotheses ou explications? Rev. Franç. de Lépidoptérologie 13:312-313. Oct./Dec.1952. 421 P192
Geographical distribution.

65312 BILIOTTI, É. Importance et signification des arrêts de développement au stade nymphal chez Taumetopoea processionea L. Acad. des Sci. Compt. Rend. 236: 1703-1705. Apr.27,1953. 505 P21

65313 BŁESZYNSKI, S. Materialien zur kenntnis der gattung Crambus F. IV. Wien. Ent. Gesell. Z. 37:148-151. Dec.15,1952. 421 Os7

65314 BOGAVAC, M. Sarrothripa dilutana Hb sur peuplier [Populus canadensis]. (In Serbo-Croatian.) Zaštita Bilja 15:100-101. 1953. 464.8 Z1
French summary.

65315 BÖHM, H. Gefrässige gesellen! Pflanzenarzt 6(4):6. Apr.1,1953. 464.9 P482
Gastropacha quercifolia.

65316 BOURQUIN, F. Cuatro notas sobre metamorfosis de microlepidopteros: I, "Aristotelia perplexa" Clarke; II, "Parastega hemisigna" Clarke; III, "Porphyrosela sp."; IV, Darlia praetexta" Clarke. Acta Zool. Lilloana 12:509-518. 1951,pub.1952. 410 Ac82

65317 BOURQUIN, F. Metamorfosis de "Amastus prosenii" Köhler 1949 (Lep. fam. "Arctiidae"). Acta Zool. Lilloana 12:527-532. 1951,pub.1952. 410 Ac82

65318 BOURQUIN, F. Metamorfosis de "Megalopyge lanceolata" Dogn. 1923 (Lep. Megalopygidae). Acta Zool. Lilloana 12:533-538. 1951,pub.1952. 410 Ac82

65319 BOURQUIN, F. Notas sobre la metamorfosis de "Antispastis clarkei" Pastrana 1951 (Lep. "Glyphipterygidae." Acta Zool. Lilloana 12:523-526. 1951,pub. 1952. 410 Ac82

65320 BOURSIN, C. Zwei neue Cryphia Hb. (Bryophila)-arten aus dem vorderasiatischmediterranen faunenkreis. Wien. Ent. Gesell. Z. 37:152-155. Dec.15,1952. 421 Os7

65321 BOWDEN, S. R. Cold storage of over-wintering pupae of Pieridae (Lep.). Entomologist 86:85-88. Apr. 1953. 421 En8

65322 BRADLEY, J. D. Microlepidoptera collected in the Burren, Co. Clare, Ireland, in 1952, including a plume moth new to the British list. Ent. Gaz. 4:135-140. Apr.1953. 421 En834

65323 BRADLEY, J. D. New Microlepidoptera from Fiji. Hawaii. Ent. Soc. Proc. 15:109-114. 1952,pub.Mar. 1953. 420 H312
In Argyroploce, Myconita, Pyroderces, Stagmatophora and Bedellia.

65324 BRANDT, H. Schmetterlinge (Lepidoptera). II. Natwiss. Grundbegriffe f. die Landbauliche Praxis. Zool. Reihe 28,8 p. 1952. 410 N2127

65325 BRAUNS, A. Beitrag zur biologie der tannennadelmotte Argyresthia fundella F. R. (Tineidae Hyponomeutinae). Nachrbl. des Deut. Pflanzenschutzdienstes 4:178-181. Ref. Dec.1952. 442.9 B832

65326 BROWN, E. E., and JONES, S. C. The lesser apple worm [Grapholitha prunivora] and its control in northeastern Oregon, a progress report. Oreg. Agr. Expt. Sta. C. Inform. 521,6 p. Feb.1953. 100 Or3C

65327 BROWN, F. M. The subspecies of Oeneis alberta (Lepidoptera, Satyridae). Amer. Mus. Novitates 1626,21 p. May 6,1953. 500 N483N

65328 BROWN, F. M. Taxonomic notes on Oeneis uhleri Reakirt (Lepidoptera, Satyridae). Amer. Mus. Novitates 1625,26 p. May 6,1953. 500 N483N

65329 BRYK, F. Über eine unterdrückung der flügelzeichnung bei unserem schwalbenschwanze (Lep. Papilion.). Opusc. Ent. 18:65-67. 1953. 421 Op7
Papilio machaon machaon.

65330 BURMANN, K. Die lebensweise und veränderlichkeit von Orodemnias cervini Fall., beobachtungen vom Nordtiroler fundplatz (Lepidoptera, Arctiidae). Münch. Ent. Gesell. Mitt. 42:162-184. Ref. Nov.15,1952. 420 M922

65331 BUTCHER, J. W., and HODSON, A. C. Field comparisons of endrin, dieldrin, DDT and toxaphene for control of the forest tent caterpillar [Malacosoma disstria]. Minn. Forestry Notes 16,2 p. Apr.15,1953. 99.8 M662

65332 CAMPBELL, I. M. Morphological differences between the pupae and the egg clusters of Choristoneura fumiferana (Clem.) and C. pinus Free. (Lepidoptera: Tortricidae). Canad. Ent. 85:134-135. Apr.1953. 421 C16

65333 CHALMERS-HUNT, M. Notes on Thalera fimbrialis Scop. in Kent in 1952. Entomologist 86:106. Apr.1953. 421 En8

65334 CHETTIAR, T. P. R. The coconut caterpillar (Nephantis serinopa, Meyr.). Indian Cent. Coconut Comt. B. 6:145-148. Mar.1953. 77.9 In292

65335 CHIAROMONTE, A. Curious ethologic behavior of the larva of Mometa zemiodes Durr. (Lep. Gelechiidae). (In Italian.) Riv. di Agr. Subtrop. e Trop. 47:16-18. Jan./Mar.1953. 26 Ag82
English summary.

65336 CHRISTENSEN, P. J. H. The embryonic development of Cochlidion limacodes Hufn. (Fam. Cochlididae, Lepidoptera). A study on living dated eggs. Danske Vidensk. Selsk. Biol. Skr. 6(9),46 p. 1953. 442.9 D23B

65337 CLARK, G. C. The life history of Crudaria leroma. Ent. Soc. South. Africa. J. 14:127-132. Nov.30, 1951. 420 En86

65338 CLARK, G. C. Some peculiarities in the early stages of some butterflies. Ent. Soc. South. Africa. J. 15:96-98. May 31,1952. 420 En86

65339 CLARKE, C. A. The successful winter breeding of Lampides boeticus Linn. in captivity in England. Ent. Rec. & J. Variation 65:104-105. Apr.1953. 421 En89

65340 CLARKE, J. F. G. The moths of the genus "Coptotelia" Zeller (Lepidoptera: Oecophoridae). Acta Zool. Lilloana 11:335-352. 1951. 410 Ac82
Includes new species.

65341 COCKAYNE, E. A. The Rothschild-Cockayne-Kettlewell collection. Ent. Rec. & J. Variation 65:97-99. Apr.1953. 421 En89
Lepidoptera.

65342 COX, C. E. Analysis of frequency distribution of adults and larvae of Choristoneura fumiferana (Clem.) and C. pinus Free. (Lepidoptera: Tortricidae). Canad. Ent. 85:136-141. Apr.1953. 421 C16

65343 COX, R. C. The caterpillars are coming. Mich. Conserv. 22(3):8-10. May/June 1953. 279.9 M582

65344 CUTRIGHT, C. R. Grower control of the codling moth [Carpocapsa pomonella], a five year study of field practices. Ohio. Agr. Expt. Sta. Res. B. 720,53 p. Apr.1953. 100 Oh3S
In apple orchards.

65345 DANIEL, F. Eine alpine unterart von Selenephera lunigera Esp. (Lep.-Lasiocampidae). Münch. Ent. Gesell. Mitt. 42:125-129. Nov.15,1952. 420 M922

65346 DANIEL, F. Zwei neue südamerikanische Arctiiden-arten (Lep.-Het.). Münch. Ent. Gesell. Mitt. 42:130-133. Nov.15,1952. 420 M922
In Amastus and Prumala.

65347 DENTON, R. E. The spruce budworm [Choristoneura fumiferana] problem in the Northern Rocky Mountains. Nowest. Sci. 27:67-72. May 1953. 470 N81

65348 DIAKANOFF, A. The genus name of Enarmonia Hübn. versus Ernarmonia (Microleptidoptera, Eucosmidae). (In Dutch.) Tijdschr. v. Ent. 95:LXII-LXIII. Dec.20,1952. 421 T21

65349 DIAKANOFF, A. A strange dorsal organ of certain Tortricidae. (In Dutch.) Tijdschr. v. Ent. 95: LX-LXII. Dec.20,1952. 421 T21

65350 DICKSON, C. G. C. Supplementary note on the distribution of Charaxes pelias pelias (Cram.) (Lep.: Nymphalidae). Ent. Soc. South. Africa. J. 13:106. Sept. 30,1950. 420 En86

65351 DICKSON, C. G. C. Supplementary note on the distribution of Phasis pyroeis (Trim.) (Lep.: Lycaenidae). Ent. Soc. South. Africa. J. 14:200. Nov.30,1951. 420 En86

65352 DUGAS, A. L., SMITH, C. E., and CONCIENNE, E. J. Interpretation of results from chemical control of the borer [Diatraea saccharalis]. Sugar B. 31:224,234. Apr.15,1953. 65.9 Am32

65353 EWING, K. P. Plans for expanded research program on pink bollworm [Pectinophora gossypiella]. Cotton Insect Control Conf. Proc. 6:62-69. 1952. 423.9 C82

65354 FABER, W. Ein in mühlen häufiger mehlmottenparasit [Nemeritis cansecens]. Pflanzenarzt 6(spec. no.3):6. Apr.1953. 464.9 P482

65355 FARRAR, M. D. Research highlights—1953. Cotton Insect Control Conf. Proc. 6:39-42. 1952. 423.9 C82
Control of Pectinophora gossypiella and Anthonomus grandis.

65356 FENDER, K. M., and BAKER, J. H. Notes on the migration of Nymphalis californica. Lepidopterists' News 7:15. 1953. 421 L554

65357 FITZE, K. The appearance of the oak spinner [Tortrix viridana] on the territory of Bosnia and Hercegovina. (In Serbo-Croatian.) Narod. Šumar 7:47-50. Jan./Feb.1953. 99.8 N16
English summary.

65358 FORD, R. L. E. The observer's book of the larger British moths. London,Warne,1952. 223 p. (The Observer's Pocket Series) 430 F753

65359 FREEMAN, T. N. The spruce budworm,Choristoneura fumiferana (Clem.) and an allied new species on pine (Lepidoptera: Tortricidae). Canad. Ent. 85:121-127. Apr.1953. 421 C16
Choristoneura pinus n. sp.

65360 FULTON, M. Migration of the monarch butterfly [Danaus plexippus] through Chicago. Lepidopterists' News 7:28. 1953. 421 L554

65361 GAILLARD, R. Grypoceres et Rhopaloceres du Gard. Rev. Franç. de Lépidoptérologie 13:299-311. (Cont.) Oct./Dec.1952. 421 P192

65362 GAUSS, R. Der pappelwickler Epinotia aceriana Dup. Holz-Zentbl. 79:631. May 9,1953. 99.81 H742

65363 GLEICHAUF, R. Cidaria sagittata F. für den fauenenbereich von Hannover erneut nachgewiesen. Z. f. Lepidopterologie 2:158. Dec.31,1952. 421 Z3

65364 GOZMANY, L. A check list of Hungarian Micro lepidoptera. (In Hungarian.) Folia Ent. Hungarica (n.s.)5:161-193. 1952. 420 So12
English summary.

65365 GRABE, A. Lebt die raupe von Philea irrorella Cl. versteckt? Z. f. Lepidopterologie 2:148. Dec.31, 1952. 421 Z3

65366 GRAY, P. H. H. A note on the colors of pupae of Pieris rapae developed under artificial conditions. Lepidopterists' News 7:5-6. 1953. 421 L554

65367 HARE, E. J. Euphyia luctuata Schiff.: some further observations. Ent. Gaz. 4:163-164. Apr.1953. 421 En834

65368 HARZ, K. Wanderschmetterlinge und ihre erforschung. Nat. u. Volk 82:236-237. July 1,1952. 509 F856

65369 HASE, A. Über die eiablage und fruchtbarkeit der hausglucke (Agrotis pronuba). Nat. u. Volk 82:160-161. May 1,1952. 509 F856

65370 HAYNES, R. F. Collecting moths and butterflies in Connemara and N. Mayo, June, 1952. Irish Nat. J. 11:33-34. Apr.1953. 410 Ir42

65371 HAYWARD, K. J. Clave para los géneros y especies argentinos de la familia Nymphalidae. Acta Zool. Lilloana 10:401-421. 1952. 410 Ac82
English summary.

65372 HAYWARD, K. J. Una clave para las subfamilias, géneros y especies argentinos de la familia Heliconiidae (Lep. Rhop.). Acta Zool. Lilloana 10:311-313. 1952. 410 Ac82
English summary.

65373 HAYWARD, K. J. Guia para la clasificacion de las especies y formas argentinas de la familia "Papilionidae." Acta Zool. Lilloana 12:279-330. 1951,pub. 1952. 410 Ac82
English summary.

65374 HAYWARD, K. J. Más notas sobre Ninfálidos argentinos. Acta Zool. Lilloana 10:285-290. 1952. 410 Ac82
English summary.

65375 HEIDELBERGER, K. Odezia atrata L. Ent. Z. 62:171-173. Feb.15,1953. 421 En85

65376 HERBULOT, C., and VIETTE, P. Mission de l'Office National Antiacridien au Tibesti-Tchad (1949). Lépidoptères, Hêterocères. Soc. Ent. de France. Ann. 131:77-92. 1952. 420 F84
English summary.
Includes new species in Trachypteryx, Scopula, Callhyccoda, and Raghuva.

65377 HERING, E. M. Was ist Tinea rajella Linnaeus, 1758? Z. f. Lepidopterologie 2:145-147. Dec.31,1952. 421 Z3

65378 HERTER, K. Springbohnen [Carpocapsa saltitans]. Nat. u. Volk 83:23-30. Jan.1,1953. 509 F856

65379 HESSELBARTH, G. Zur gelben Pieris napiform hibernica Schmidt. Ent. Z. 63:17-20. Ref. May 1, 1953. 421 En85

65380 HODSON, A. C. Natural control of the forest tent caterpillar [Malacosoma disstria]. Minn. Farm & Home Sci. [Minn. Sta.] 10(3):8-9. May 1953. 100 M668

65381 HOFFMANN, E. Parnassius styriacus Fruhst., eine eigene art. Wien. Ent. Gesell. Z. 37:138-148. Dec. 15,1952. 421 Os7

65382 HOLIK, O. Die nahrungspflanzen der Zygaenenraupen und ihre bedeutung für die unterteilung der gattung Zygaena Fabr. Ent. Z. 62:182-184. (Cont.) Mar.1,1953. 421 En85

65383 HOLIK, O. Die nahrungspflanzen der Zygaenenraupen und ihre bedeutung für die unterteilung der gattung Zygaena Fabr. Ent. Z. 62:188-191. (Cont.) Mar. 15,1953. 421 En85

65384 HOLIK, O. Die nahrungspflanzen der Zygaenenraupen und ihre bedeutung für die unterteilung der gattung Zygaena Fabr. Ent. Z. 63:20-24. (Cont.) May 1,1953. 421 En85

65385 HOYT, A. S. Pink bollworm [Pectinophora gossypiella]; it's fast becoming Cotton Enemy Number 1. Farm Chem. 116(5):28-29. May 1953. 57.8 Am3

65386 HOYT, A. S. The pink bollworm [Pectinophora gossypiella] situation—a Beltwide menace. Cotton Insect Control Conf. Proc. 6:57-59. 1952. 423.9 C82

65387 ISSEKUTZ, L. Uber das vorkommen von Erannis ankeraria Stgr. (In Hungarian.) Folia Ent. Hungarica (n.s.)5:157-160. 1952. 420 So12
German summary.

65388 JANMOULLE, E. Notes sur les Microlépidoptères de Belgique. IV. Inst. Roy. des Sci. Nat. de Belg. B. 28(68),8 p. Ref. Dec.1952. 504 B835B

65389 JOHNSON, J. H. Macrolepidoptera in north east Derbyshire: a record for 1952. Ent. Rec. & J. Variation 65:107-110. (Cont.) Apr.1953. 421 En89

65390 JUDD, W. W. A caterpillar (Lepidoptera: Phalaenidae) from the digestive tract of a human. J. Parasitol. 39:250-251. June 1953. 448.8 J824

65391 JUPE, H. Das massenauftreten von Thaumetopoea processionea L (eichenprozessionsspinner) in der Altmark. Ent. Z. 62:178-180. Mar.1,1953. 421 En85

65392 KABE, M. Researches on the phototropismic activity of the peach pyralid moth Dichocrocis punctiferalis Guenée. (In Japanese.) Rin-Go-Shiken-Hokoku 60:65-67. Mar.1953. 99.8 R47
English summary.

65393 KABE, M. Studies of the peach pyralid moth Dichocrocis punctiferalis Guenée, infesting the fir in Tochigi Prefecture. (In Japanese.) Rin-Go-Shiken-Hokoku 60:71-78. Mar.1953. 99.8 R47
English summary.

65394 KAUFFMANN, G. Considérations au sujet de Pyrgus reverdini Oberthür. Rev. Franç. de Lépidoptérologie 13:284-286. Oct./Dec.1952. 421 P192

65395 KAUFFMANN, G. Pyrgus alveus accreta Verity 1925, eine für Deutschland neue Hesperiide. Ent. Z. 62:169-171. Feb.15,1953. 421 En85

65396 KETTLEWELL, H. B. D. The pupation habits of Gonimabrasia [i.e. Goimbrasia] tyrrhea Cram. (Lep. Saturniidae). Ent. Rec. & J. Variation 65:118-119. Apr. 1953. 421 En89

65397 KIRIAKOFF, S. G. The auditory organs and the systematics of the Lepidoptera. (In Dutch.) Ent. Ber. 14:246-250. Ref. Apr.1,1953. 420 N38B

65398 KLOTS, A. B. Color on the wing. Family Circle 42(6):56-61. June 1953. 321.8 F21
Descriptions of butterflies for collectors.

65399 KNOWLTON, G. F. Observations of Celerio lineata, the white-lined sphinx, in Utah. Lepidopterists' News 7:11-12. 1953. 421 L554

65400 KNUDSEN, J. P. A new method for storing papered Lepidoptera. Lepidopterists' News 7:27. 1953. 421 L554

65401 KOHLER, P. Las Noctuidae argentinas, subfamilia "Cucullianae." Acta Zool. Lilloana 12:135-182. 1951,pub.1952. 410 Ac82
English summary.
New species in Cuculluna n. g., Chubutiana n. g., Borsania n. g., Comodoria n. g., Orthopha n. g., Metalopha n. g., Graptocullia n. g., Neuquenia n. g., Mendozania n. g., Velazconia n. g., Argyrana n. g., Criophasia n. g., Galeana n. g., Grisana n. g., Riagria n. g., Brachygalea, Desertullia n. g., Tarsicopia n. g., Metacullia n. g., Paracullia n. g., Pseudosmia n. g., Parosmia n. g., Cucullia, Empusada, Cotarsina n. g., Aporophyla, Omphalophana, Homohadena, Brachylomia, Bryotype, Meganephria, Valeria, Hillia, Calophasia, and Dasythorax.

65402 KOMAI, T. Composition of wild populations in the lycaenid butterfly Neozephyrus taxila. Amer. Nat. 87: 87-95. Ref. Mar./Apr.1953. 470 Am36

65403 KURIR, A. Vergrösserung der zahl der raupenstadien und verlängerung des raupenlebens durch die nahrung. Bodenkultur 6:355-382. Ref. 1952. 19 B635
Butterflies.

65404 KUSNEZOV, N. Atticonviva Busck en la Argentina (Lepidoptera, Tineidae). Acta Zool. Lilloana 10:281-282. 1952. 410 Ac82

65405 LAAN, P. A. VAN DER. Was the control of the white rice borer [Scirpophaga innotata] through delay in planting time successful in middle Java? (In Dutch.) Tijdschr. v. Ent. 95:CXXII-CXXIV. Dec.20,1952. 421 T21

65406 LAEVER, E. DE. Un Leucania nouveau pour la faune française. Rev. Franç. de Lépidoptèrologie 13: 282-283. Oct./Dec.1952. 421 P192

65407 LAL, K. B., and SINGH, C. The cotton leaf roller, Sylepta derogata Fabr. I. Relative incidence on hirsutum cottons. II. Control. Indian Cotton Growing Rev. 7:77-91. Ref. Jan.1953. 72.8 In2

65408 LE CHARLES, L., and VARIN, G. Etude et répartition des races d'Hipparchia statilinus Hfn. en France. Rev. Franç. de Lépidoptérologie 13:287-297. Oct./Dec.1952. 421 P192

65409 LEECH, M. J. Collecting in the Witherslack (Westmorland) area in 1952. Ent. Rec. & J. Variation 65: 110-111. Apr.1953. 421 En89

65410 LEMPKE, B. J. Catalog of Dutch Macrolepidoptera. XI. Geometridae. (In Dutch.) Tijdschr. v. Ent. 95:197-319. Dec.20,1952. 421 T21

65411 LEMPKE, B. J. The spread of Araschnia levana L. in the Netherlands. (In Dutch.) Ent. Ber. 14: 216-219. Feb.1,1953. 420 N38B
English summary.

65412 LESSE, H. DE. Révision des anciens genres Pararge (s. l.) et Maniola (= Epinephele (auct.)). Soc. Ent. de France. Ann. 131:61-76. Ref. 1952. 420 F84

65413 LÖBERBAUER, R. Anomogyna rhaetica Stgr. ssp. norica, nova subspecies. Wien. Ent. Gesell. Z. 37: 165-168. Dec.15,1952. 421 Os7

65414 LORKOVIC, Z. Beiträge zum studium der semispecies. Spezifität von Erebia stirius Godt. und E. styx Frr. (Satyridae). Z. f. Lepidopterologie 2:159-176. Ref. Dec.31,1952. 421 Z3

65415 LÜCKER, E. Harpyia bicuspis Bkh. (In Dutch.) Ent. Ber. 14:219. Feb.1,1953. 420 N38B
Rearing.

65416 MACKAY, M. R. The larvae of Choristoneura fumiferana (Clem.) and C. pinus Free. (Lepidoptera: Tortricidae). Canad. Ent. 85:128-133. Apr.1953. 421 C16

65417 MAKINO, S., and SAITO, K. Results of gonadectomy and gonadal transplantation in the sex races of Lymantria dispar. Lepidopterists' News 7:7-8. 1953. 421 L554

65418 MARION, H. Crambus salinellus ludovicellus nova spbspecies. Münch. Ent. Gesell. Mitt. 42:154-157. Nov.15,1952. 420 M922

65419 MARION, H. Les Homoeosoma du groupe nimbella en France. H. bentinckella Pierce nouvelle pour la France. Entomologiste 8:123-125. 1952. 421 En814

65420 MATHER, B. A migration of Ascia monuste in Mississippi. Lepidopterists' News 7:13-14. 1953. 421 L554

65421 MATTHEWMAN, W. G., and HARCOURT, D. G. Cabbage caterpillars in Canada. Canad. Sci. Serv. Div. Ent. Processed P. 97,7 p. Mar.1953. 423.92 C16P

65422 MESSORI, A. Record of control of the Noctuidae scourge. (In Italian.) Alessandria. Cam. di Com. Indus. e Agr. Rass. Econ. 6(6):8-9. June 1952. 287 AL24

65423 MEYER, J. H. Ein neuer hybrid (Deilephila l. livornica ♂ × vespertilio Esp. ♀). Ent. Z. 63:9-13. Apr. 15,1953. 421 En85

65424 MICHELBACHER, A. E., BACON, O. G., and WADE, W. H. Codling moth on walnuts. Calif. Agr. [Calif. Sta.] 7(3):7,15. Mar.1953. 100 C12Cag

65425 MICHENER, C. D. A note on a subgeneric name in the Saturniidae (Lepidoptera). Ent. News [Philadelphia] 64:124. May 1953. 421 En88

65426 MLADENOVSKI, B. Quelques observations sur les problèmes de la protection des plantes dans la R. P. Macédoine. (In Serbo-Croatian.) Zaštita Bilja 15:88-93. 1953. 464.8 Z1
French summary.
Ephestia elutella and Thrips tabaci on tobacco.

65427 MUNROE, E. G. The Karanasa butterflies, a critical review. Lepidopterists' News 7:16-23. 1953. 421 L554

65428 MUSPRATT, V. M. Lampides boeticus Linn. in south west France. Ent. Rec. & J. Variation 65:99-104. Apr.1953. 421 En89

65429 NAKAGAWA, Y. Studies on the anterior division of the silk-gland in Spilosoma subcarnea. III. (In Japanese.) J. Sericult. Sci. Japan 21:193-200. Ref. Oct.1952. 425.9 Se6
English summary.

65430 NARAYANAN, E. S. Seasonal pests of crops: the root, stem and top borers of sugarcane and the methods of their control. Indian Farming 3:8-11,21,29-30. Apr.1953. 22 In283
Emmalocera depressella, Argyria spp., Diatraea spp., Chilo trypetes, Sesamia inferens, and Scirpophaga nivella.

65431 NEPVEU, P. Les insectes nuisibles au genêt à fibre [Spartium junceum] et en particulier la pyrale du genêt (Uresiphita gilvata F.). Acad. d'Agr. de France. Compt. Rend. 39:228-231. Feb.11/18,1953. 14 P215Bc

65432 NEW BRUNSWICK INTERNATIONAL PAPER CO. The battle of the budworm, 20 p. In International Paper Co. Fifty-fifth annual report, 1952. New York, 1953. 302.9 In8
Choristoneura fumiferana.

65433 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BR. DIV. OF SCIENCE SERV. Codling moth (Cydia [i.e. Carpocapsa] pomonella). N. S. Wales. Dept. Agr. Insect Pest L. 9,5 p. 1952. 423.92 N47

65434 OBRAZTSOV, N. Epiblema scutulana (Schiff.) (Lepidoptera, Tortricidae). Tijdschr. v. Ent. 95:323-330. Dec.20,1952. 421 T21

65435 OBRAZTSOV, N. Neue palaearktische Eucosmini-arten (Lepidoptera, Tortricidae). Wien. Ent. Gesell. Z. 37:122-129. Nov.15,1952. 421 Os7
New species in Eucosma, Epiblema, and Epinotia.

65436 OBRAZTSOV, N. Zur revision der Synapheарten der moldavicaund bombycalis-gruppe (Lepidoptera, Pyralididae). Münch. Ent. Gesell. Mitt. 42:87-110. Nov. 15,1952. 420 M922
Includes new species.

65437 OLBERG, G. Tagfalter als vogelnahrung. Nat. u. Volk 82:188-192. June 1,1952. 509 F856

65438 ORFILA, R. N. Un género [Lepidojulia] y especie nuevos de Arctiidae argentina (Lep.). Soc. Ent. Argentina. Rev. 15:297-301. Dec.31,1952. 420 So14

65439 PASTRANA, J. A. Una especie de Midila no reconocida anteriormente en las colecciones (Lep. Schoenobidae). Soc. Ent. Argentina. Rev. 15:307-313. Dec.31,1952. 420 So14

65440 PASTRANA, J. A. Una especie nueva de "Glyphipterygidae" de la Argentina (Lepidoptera). Acta Zool. Lilloana 12:519-522. 1951,pub.1952. 410 Ac82
English summary.
Antispastis clarkei.

65441 PEKING, F., and PEKING, R. Über ei, raupe und zucht von Xanthoecia flavago Schiff. (= Gortyna ochracea Hbn.). Ent. Z. 62:185-188. Mar.15,1953. 421 En85

65442 PENNINGTON, K. M. Description of female of Lepidochrysops swanepoeli Penn. (Lepidoptera, Rhopalocera) and variation in male. Ent. Soc. South. Africa. J. 14:148-149. Nov.30,1951. 420 En86

65443 PENNINGTON, K. M. Note on Lepidochrysops hypopolia Trimen (Rhopalocera). Ent. Soc. South. Africa. J. 14:201-202. Nov.30,1951. 420 En86

65444 PENNINGTON, K. M. Notes on the distribution of some South African butterflies. Ent. Soc. South. Africa. J. 15:90-95. May 31,1952. 420 En86

65445 PESHO, G., and DANIELS, L. B. Fight against corn earworm [Heliothis armigera]. Colo. Farm & Home Res. [Colo. Sta.] 3(6):1-2,9-11. Mar./Apr.1953. 100 C712Co

65446 PETERS, W. A provisional check-list of the butterflies of the Ethiopian region. Feltham,Eng., Classey,1952. 201 p. 430 P443

65447 PETRIK, C. Some observations about the sunflower moth [Homoeosoma nebulella Hb.] in Voyvodina. (In Serbo-Croatian.) Zaštita Bilja 15:64-73. 1953. 464.8 Z1
English summary.

65448 PIERCE, F. N. The genitalia of the group Noctuidae of the Lepidoptera of the British Islands. An account of the morphology of the female reproductory organs. Addenda and corrigenda by W. H. T. Tams. Ed. 2. Feltham,Eng.,Classey,1952. 64 p. 430 P61Gn

65449 PSCHORN-WALCHER, H. "Doppelgänger" des weissen bärenspinners. Pflanzenarzt 6(5):3-4. May 1, 1952. 464.9 P482
Spilosoma.

65450 RADOVANOVIĆ, Ž. M. Experiments on controlling caterpillars of Ephestia elutella Hb. by means of calcium cyanid. (In Serbo-Croatian.) Zaštita Bilja 15:37-46. 1953. 464.8 Z1
English summary.

65451 RAWSON, G. W., and BELLINGER, P. F. Sparrows feeding on congregating Papilio. Lepidopterists' News 7:27. 1953. 421 L554

65452 REMINGTON, C. L. The biology of Nearctic Lepidoptera. II. Foodplant and pupa of Hemiargus isolus. Psyche 59:129-130. Dec.1952. 421 P95

65453 RICKARD, J. A. The pink boll-worm [Pectinophora gossypiella]. Your Farm 12(5):89-92. May 1953. 6 Y8

65454 ROEPKE, W. K. J. Some unusual examples of mimicry. (In Dutch.) Tijdschr. v. Ent. XCVII-XCVIII. Dec.20,1952. 421 T21

65455 ROESLER, R. Die einwirkung des abnormen sommerwetters des jahres 1952 auf einige schmitterlingsarten. Ent. Z. 63:1-3. Apr.1,1953. 421 En85

65456 ROSENSTIEL, R. G. Control of the orange tortrix [Argyrotaenia citrana]. Oreg. Agr. Expt. Sta. C. Inform. 524,3 p. Feb.1953. 100 Or3C
Supersedes Circular of Information 426.

65457 RUI, D., and BELLAVITE, F. Control of corn borer [Pyrausta nubilalis]. 1. Chemical control. (In Italian.) Informatore Agr. 9:51. Feb.26,1953. 281.8 In32

65458 RYDÉN, H. Cosymbia porata L, a geometrid new to Sweden. (In Swedish.) Opusc. Ent. 18:36. 1953. 421 Op7
German summary.

65459 RYDÉN, H., and CARLGREN, G. Schmetterlingsfaunistische notizen. (In Swedish.) Opusc. Ent. 18: 49-52. 1953. 421 Op7
German summary.

65460 SCHMIDT, H. Die ebereschenmotte [Argyresthesia conjugella] hat apfelbäume befallen. Hess. Obstbau 8:25. Feb.1953. 80 G1932

65461 SCHUTZE, E. Eupithecien-studien. II. (Geometridae). Z. f. Lepidopterologie 2:177-187. Ref. Dec.31, 1952. 421 Z3

65462 SCHWINGENSCHUSS, L. Kleiner beitrag zur Lepidopterenfauna von Herzogenburg und umgebung. Wien. Ent. Gesell. Z. 37:130-134,169-173. Nov.15-Dec. 15,1952. 421 Os7

65463 SHURTLEFF, M. C. Control of the corn earworm [Heliothis armigera]. R. I. State Col. Ext. Mimeog. C. 77,3 p. Mar.1952. 275.29 R34M

65464 SMITH, S. G. Reproductive isolation and the integrity of two sympatric species of Choristoneura (Lepidoptera: Tortricidae). Canad. Ent. 85:141-151. Ref. Apr.1953. 421 C16

65465 SORAUER, P. Handbuch der pflanzenkrankheiten, v. 4, pt. 1. Berlin,Parey,1953. 519 p. 464 So6
Contains Lepidoptera, by H. Heddergott, H. Weidner, H. Menhofer, F. P. Müller, W. Speyer, and G. Schmidt; Trichoptera, by W. Döhler.

65466 SORENSON, C. J., and KNOWLTON, G. F. Controlling the peach twig borer [Anarsia lineatella]. Utah. State Agr. Col. Ext. C. 189,2 p. Apr.1953. 275.29 Ut1

65467 SORENSON, C. J., and KNOWLTON, G. F. The peach tree borer [Sanninoidea exitiosa]. Utah. State Agr. Col. Ext. C. 188,2 p. Apr.1953. 275.29 Ut1

65468 SPENCER, C. B. Cooperative program for pink bollworm [Pectinophora gossypiella] control in Texas 1952. Cotton Insect Control Conf. Proc. 6:54-56. 1952. 423.9 C82

65469 SUOMALAINEN, E. The kinetochore and the bivalent structure in the Lepidoptera. Hereditas 39:88-96. Ref. 1953. 442.8 H42

65470 SWANEPOEL, D. A. A new species of Cupido (Lycaenidae) from Basutoland. Ent. Soc. South. Africa. J. 14:57-59. May 31,1951. 420 En86

65471 SWEZEY, O. H. A new species of leafminer in Straussia (Lepidoptera: Gelechiidae). Hawaii. Ent. Soc. Proc. 15:23. 1952,pub.Mar.1953. 420 H312
Aristotelia straussiella.

65472 TAKATA, N. Studies on the micro-climate of hibernacula of Glyphodes pyloalis Walker. III. (In Japanese.) J. Sericult. Sci. Japan 21:201-207. Ref. Oct.1952. 425.9 Se6
English summary.

65473 TANADA, Y. Description and characteristics of a granulosis virus of the imported cabbageworm [Pieris rapae]. Hawaii. Ent. Soc. Proc. 15:235-260. Ref. 1952,pub.Mar.1953. 420 H312

65474 TANADA, Y. A microsporidian parasite [Perezia mesnili] of the imported cabbageworm [Pieris rapae] in Hawaii. Hawaii. Ent. Soc. Proc. 15:167-175. Ref. 1952,pub.Mar.1953. 420 H312

65475 TANADA, Y. Susceptibility of the imported cabbageworm [Pieris rapae] to Bacillus thuringiensis Berliner. Hawaii. Ent. Soc. Proc. 15:159-166. Ref. 1952,pub.Mar.1953. 420 H312

65476 TAYLOR, J. S. Notes on Lepidoptera in the eastern Cape Province. II. Ent. Soc. South. Africa. J. 14: 94-126. Nov.30,1951. 420 En86

65477 TAYLOR, J. S. Notes on the life-history of a species of Mesocelis (Lasiocampidae) with special reference to its parthenogenesis. Ent. Soc. South. Africa. J. 13:53-67. Ref. Sept.30,1950. 420 En86

65478 TEMPLE, V. Some notes on the courtship of butterflies in Britain. Ent. Gaz. 4:141-161. Apr.1953. 421 En834

65479 TERNI, M., and GARGANI, G. Attempts at culture of Mycobacterium lepraemurium (Stefansky's bacillus) in Dubos earth and in larvae of Galleria mellonella. (In Italian.) Soc. Ital. di Biol. Sper. B. 28:1265-1267. June 1952. 442.8 So12

65480 TOLL, S. Studien über die genitalien einiger Coleophoriden. XI. Wien. Ent. Gesell. Z. 37:156-165. Dec.15,1952. 421 Os7

65481 TREAT, A. E. Camera studies of the noctuid tympanic organ. Biol. Rev. 15:16-18. Mar.1953. 442.8 B5225

65482 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Clothes moths and carpet beetles; how to combat them. U. S. D. A. Home & Gard. B. 24,12 p. Apr. 1953. 1 Ag84Hg
Supersedes Leaflet 145, Clothes moths, and Leaflet 150, Carpet beetles, both by E. A. Back.

65483 U. S. BUR. ENTOMOLOGY AND PLANT QUARANTINE. Cutworms in the garden; how to control them. U. S. D. A. Home & Gard. B. 29,4 p. May 1953. 1 Ag84Hg
Supersedes Leaflet 2, by W. H. White.

65484 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. EQ-53, information for formulators and distributors. Washington,1952. 4 p. 1.967 A2Eq1
Insecticide for clothes moths and carpet beetles.

65485 U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The pink bollworm [Pectinophora gossypiella] :how we fight it. U. S. D. A. L. 339,8 p. May 1953. 1 Ag84L

65486 URBAHN, E. Die unterschiede der jungendstände und falter von Melitaea athalia Rott., britomartis Assm. und parthenie Bkh.=aurelia Nick. in Deutschland (Lep.). Wien. Ent. Gesell. Z. 37:105-120. Ref. Nov.15, 1952. 421 Os7

65487 VIETTE, P. Notes sur Madagascar. Rev. Franç. de Lépidoptérologie 13:272-281. Oct./Dec.1952. 421 P192

65488 VIETTE, P. Yponomeuta padella (L.) et malinellus (Z.) bonnes espèces ou races éthologiques? Entomologiste 8:132-134. Ref. 1952. 421 En814

65489 VIETTE, P. E. L. Contribution à l'étude des Hepialidae. 27. Une nouvelle espèce du Mexique. Münch. Ent. Gesell. Mitt. 42:20-21. Nov.15,1952. 420 M922
In Pseudodalaca.

65490 VINTEJOUX, M. Captures de Geometridae en Corrèze. Rev. Franç. de Lépidoptérologie 13:297. Oct./Dec.1952. 421 P192

65491 VÖLKER, U. Zwei interessante Noctuidenzuchten (Lep.). Münch. Ent. Gesell. Mitt. 42:185-189. Nov.15,1952. 420 M922

65492 WALDNER, F. Das vorkommen der zackeneule (Scoliopteryx libatrix L.) in höhlen. Wien. Ent. Gesell. Z. 37:176-182. Dec.15,1952. 421 Os7

65493 WARNECKE, G. Uber den einflug von Deilephila [i.e. Celerio] lineata livornica Esp. in Mitteleuropa im jahr 1952. I. Ent. Z. 62:180-182. Mar.1,1953. 421 En85

65494 WARREN, B. C. S. Three unrecognized species of the genus Pyrgus (Lep., Hesperiidae). Entomologist 86: 90-103. Ref. Apr.1953. 421 En8

65495 WHITE, R. W. The quarantine and control program for pink bollworm [Pectinophora gossypiella]. (Abs.) Cotton Insect Control Conf. Proc. 6:60-61. 1952. 423.9 C82

65496 WHITTAKER, R. H. Notes on a migration of Nymphalis californica. Lepidopterists' News 7:9-10. 1953. 421 L554

65497 WILLIAMS, H. B. The Castle Russell collection. Ent. Rec. & J. Variation 65:97. Apr.1953. 421 En89
Of butterflies.

65498 WINTERS, J. H. Macrolepidoptera of Vollenhove. II. (In Dutch.) Ent. Ber. 14:230-231. Mar.1,1953. 420 N38B

65499 WISSELINGH, T. H. VAN. Macrolepidoptera in 1951. (In Dutch.) Tijdschr. v. Ent. 95:XCIV-XCVII. Dec. 20,1952. 421 T21

65500 WITTSTADT, H. Der hybrid Cel. lineata livornica ♂ X Perg. elpenor ♀ = livopenor Müller. Ent. Z. 62:173-176,177-178. Feb.15-Mar.1,1953. 421 En85

65501 WYATT, C. W. Einige neue tagfalterformen aus Marokko. Wien. Ent. Gesell. Z. 37:173-176. Dec.15, 1952. 421 Os7

65502 ZIMMERMANN, F. Zur frage der obstmadenbekämpfung besonders im kleingarten. Obstbau 75:78. Mar.1,1953. 80 Ob73
Carpocapsa pomonella.

65503 ZOPP, J. Pholus hornbeckiana Harris = Pholus vitis Linné (nec Drury). Wien. Ent. Gesell. Z. 37:129-130. Nov.15,1952. 421 Os7

See also Sericulture and the Silkworm.

ORTHOPTERA

65504 ALBRECHT, F. O. The breeding of the red locust [Nomadacris septemfasciata]in captivity. B. Ent. Res. 44:1-4. Apr.1953. 421 B87

65505 BRELAND, O. P. The preying praying mantid. Frontiers 17:106-108. Apr.1953. 410 F92

65506 BROWNING, T. O. The influence of temperature and moisture on the uptake and loss of water in the eggs of Gryllulus commodus Walker (Orthoptera-Gryllidae). Expt. Biol. J. 30:104-115. Ref. Mar.1953. 442.8 B77

65507 ERGENE, S. Bevorzugung homochromen milieus durch Oedipoda-larven. Istanbul. Ü. Fen Fakül. Mecmuasi. Ser. B, Tabif Ilimler 18:63-66. Jan.1953. 475 Is7

65508 ERGENE, S. Erkennen homochrome heuschrecken die farbe oder die graustufe ihrer umgebung? Istanbul. Ü. Fen Fakül. Mecmuasi. Ser. B, Tabif Ilimler 17:305-314. Oct.1952. 475 Is7
Acrida turrida and Oedipoda coerulescens.

65509 JUNG, R. C., and SHAFFER, M. F. Survival of ingested Salmonella in the cockroach Periplaneta americana. Amer. J. Trop. Med. & Hyg. 1:990-998. Ref. Nov.1952. 448.8 Am326

65510 KEVAN, D. K. M. The generic name Dictyophorus Thunberg, 1815 (Orth., Acrididae). Ent. Mon. Mag. 89:103-105. Ref. May 1953. 421 En86

65511 KEVAN, D. K. M. An interesting new pyrgomorphine grasshopper (Orthoptera: Acrididae) in the U. S. National Museum. Wash. Acad. Sci. J. 43:117-119. Apr.1953. 500 W276J
Chlorizeina malabarensis, n. sp.

65512 LAWSON, F. A. Structural features of cockroach egg capsules. III. Reelfoot Lake Biol. Sta. Rpt. 17: 28-33. Jan.1953. 442.9 R25

65513 KEVAN, D. K. M. Notes on the distribution of British orthopteroids. Soc. Brit. Ent. J. 4:119-122. Ref. Mar.24,1953. 420 En85J

65514 LE BIGOT, L. Réminiscence au cours d'un apprentissage moeur en fonction de la répétition de l'exercice, chez Blattella germanica. Rev. Sci. 90:254-258. Ref. July/Aug.1952. 473 R32

65515 LIEFTINCK, M. A. The larval characters of the Protoneuridae (Odon.). Treubia 21:641-684. Feb.15, 1953. 410 T72
Includes new species in Selysioneura.

65516 PIRAN, A. A. El alotipo macho de Parudenus falklandicus Enderlein, 1909 (Orthop., Rhaphidophoridae). Acta Zool. Lilloana 10:283-284. 1952. 410 Ac82
English summary.

65517 PRINCIS, K. Kleine beiträge zur kenntnis der blattarien und ihrer verbreitung. V. Opusc. Ent. 18:53-58. Ref. 1953. 421 Op7
Includes Euhebardula n. g.

65518 RUNGS, C. Sur quelques Dictyoptères et Orthoptères du Maroc. Soc. Ent. de France. Ann. 131:107-116. Ref. 1952. 420 F84
Includes new species in Steropleurus and Uromenus.

65519 STROHECKER, H. F. The Gryllacrididae and Gryllidae of the Bahama Islands, British West Indies, (Orthoptera). Amer. Mus. Novitates 1618,11 p. May 2, 1953. 500 N483N
Includes New species in Cycloptilum and Hapithus.

65520 TUZET, O., and ZUBER-VOGELI, M. La spermatogenèse de Zonocerus variegatus L. Inst. Franç. d'Afrique Noire. B. 15:487-494. Apr.1953. 515 D14

65521 WYK, L. E. VAN. The morphology and histology of the genital organs of Leucophaea maderae (Fabr.) (Blattidae, Orthoptera). Ent. Soc. South. Africa. J. 15:3-62. Ref. May 31,1952. 420 En86

SERICULTURE AND THE SILKWORM

65522 AIZAWA, K. Preliminary note on the successive passage through Philosamia ricini Boisd. of the jaundice virus of Bombyx mori. (In Japanese.) J. Sericult. Sci. Japan 21:170-172. Oct.1952. 425.9 Se6

65523 ARUGA, H., YOSHITAKE, N., and EGUCHI, M. Studies on the mechanism of the expressions of the translucent and lemon genes in the silkworm. I. (In Japanese.) J. Sericult. Sci. Japan 21:255-263. Ref. Dec.1952. 425.9 Se6
English summary.

65524 CHRISTODOULOU, P. Advice to silkworm producers. Countryman [Nicosia] 7(3):14-15. Mar.1953. 25 C83

65525 COETSEE, G. South Africa obtains a silkworm farm. (In Afrikaans.) Landbouweekblad 34(1761): 19,21. Apr.15,1953. 24 L232

65526 DRILHON, A., and VAGO, C. Modifications dans la figure chromatographique des acides aminés libres et des substances fluorescentes de l'hémolymphe du Bombyx mori L., consécutives à une paralysie d'origine microbienne. Experientia 9:143-144. Apr.15,1953. 475 Ex7
Paralysed by Bacillus cereus vae. alesti.

65527 FRAISSE, R. La croissance de la tête chez la larve du Bombyx mori L. en fonction du régime alimentaire. Acad. des Sci. Compt. Rend. 236:1613-1614. Apr. 20,1953. 505 P21

65528 HARADA, C. Heterosis of characters which are valuable practically in the silkworm. (In Japanese.) Jap. J. Breeding 2:126-132. Ref. Mar.1953. 64.8 J27
English summary.

65529 HASEGAWA, K. Studies on the voltinism in the silkworm, Bombyx mori L. IV. (In Japanese.) J. Sericult. Sci. Japan 21:95-96. Aug.1952. 425.9 Se6

65530 HAYASHI, T., MORI, T., and MACHIDA, Y. Studies on making the angling line from the silk gland of the domestic silkworm. II. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:57-65. Feb.1953. 107.6 K995B
English summary.

65531 HIRATA, A. On the relation between the reeling quality and the waxy substance of cocoon. (In Japanese.) J. Sericult. Sci. Japan 21:235-236. Dec.1952. 425.9 Se6

65532 HIROBE, T. On the heterosis of "sanmin-sho" (a kind of three-moulter). (In Japanese.) J. Sericult. Sci. Japan 21:61-66. Aug.1952. 425.9 Se6

65533 ICHIKAWA, S. An abnormal silkworm duplicated in 8th body segment. (In Japanese.) J. Sericult. Sci. Japan 21:289. Dec.1952. 425.9 Se6

65534 ITIKAWA, N. Genetical and embryological studies on the E-multiple alleles in the silkworm, Bombyx mori L. (In Japanese.) Sericult. Expt. Sta. B. 14: 23-91. Ref. Aug.1952. 425.9 J273B
English summary.

65535 ITO, T., and TANAKA, M. Observations on the evacuation in the starved silkworm larva which is fed again. (In Japanese.) J. Sericult. Sci. Japan 21:97-100. Aug.1952. 425.9 Se6

65536 IWANARI, Y. On the blood-gases in the silkworm, Bombyx mori L. (In Japanese.) J. Sericult. Sci. Japan 21:269-272. Dec.1952. 425.9 Se6

65537 KAMIOKA, S. Body constituents of the silkworm larva deprived of the frontal ganglion. (In Japanese.) J. Sericult. Sci. Japan 21:167-169. Oct.1952. 425.9 Se6
Preliminary report.

65538 KAMIOKA, S. Oxygen consumption in the silkworm larva deprived of the frontal ganglion. (In Japanese.) J. Sericult. Sci. Japan 21:173-175. Oct.1952. 425.9 Se6

65539 KATO, M. The permeability of + chromogen in the non-wintering eggs of the silkworm. (In Japanese.) J. Sericult. Sci. Japan 21:252. Dec.1952. 425.9 Se6

65540 KAWAI, T. Studies on the unseasonal hatching in the hibernating eggs of silkworm, Bombyx mori L. (In Japanese.) J. Sericult. Sci. Japan 21:253-254. Dec.1952. 425.9 Se6
English summary.

65541 KOBAYASHI, M. Cyto-histological studies on the dermal gland of the domestic silkworm. III. (In Japanese.) J. Sericult. Sci. Japan 21:283-288. Dec.1952. 425.9 Se6
English summary.

65542 KOBAYASHI. M. On the cyto-histological changes in the prothoracic gland of the ligated and the starved silkworm. (In Japanese.) J. Sericult. Sci. Japan 21:176-182. Oct.1952. 425.9 Se6
English summary.

65543 KUTSUKAKE, H., and KUROIWA, K. Catalase activity in the serosal cells of the silkworm eggs. I. (In Japanese.) J. Sericult. Sci. Japan 21:163-166. Oct.1952. 425.9 Se6

65544 KUWANO, T. Prevention of muscardine by application of ceresan. III. (In Japanese.) J. Sericult. Sci. Japan 21:101-105. Aug.1952. 425.9 Se6

65545 MIYAGAWA, S. Phototaxis of the silkworm larvae. (In Japanese.) J. Sericult. Sci. Japan 21:90-92. Aug.1952. 425.9 Se6

65546 MORI, T., and MUKAIYAMA, F. On the cocoon fibre of the silkworm, with one side silk-gland cut at the anterior part. (In Japanese.) J. Sericult. Sci. Japan 21: 295-297. Dec.1952. 425.9 Se6

65547 MUROGA, M. Effects of urea on silkworm larva, Bombyx mori L. I. (In Japanese.) J. Sericult. Sci. Japan 21:280-282. Dec.1952. 425.9 Se6

65548 NAGASHIMA, E. Studies on the markings of the newly hatched larvae in the silkworm. (In Japanese.) J. Sericult. Sci. Japan 21:67-73. Ref. Aug.1952. 425.9 Se6
English summary.

65549 NISIZAWA, K., and OGAWARA, S. Enzymic studies on sericin. I. The action of sericinase in the sucking stomach of silkworm moth upon A and B fractions of sericin. (In Japanese.) J. Sericult. Sci. Japan 21:240-244. Ref. Dec.1952. 425.9 Se6
English summary.

65550 NITTONO, Y., and NAGAIKE, Y. The respiratory metabolism of silkworm eggs (Bombyx mori L.). I. (In Japanese.) J. Sericult. Sci. Japan 21:93-94. Aug. 1952. 425.9 Se6
English summary.

65551 NITTONO, Y. Tyrosinase in the blood of silkworm, Bombyx mori. II. (In Japanese.) J. Sericult. Sci. Japan 21:273-275. Dec.1952. 425.9 Se6

65552 OMURA, S. Recent development of sericultural researches in Japan. Silk Digest 79:1-2. Apr.1953. 304.8 Si33

65553 PIZZI, G. Let us raise silkworms. (In Italian.) Cam. di Com. Indus. e Agr. Vicenza. Not. Econ. 8 (6):4. Mar.16,1953. 287 V662
Sericulture situation.

65554 SAKAGUCHI, B. Experimental and embryological studies on the silkworm larvae hatched from the eggs which were treated with high-speed centrifugal machine. (In Japanese.) J. Sericult. Sci. Japan 21:74-83. Ref. Aug.1952. 425.9 Se6
Preliminary report.

65555 SAKATE, S., KAWAGUCHI, K., and SATO, K. On the fluorescent substances of the cocoon layer in Bombyx mori. (Preliminary report). (In Japanese.) J. Sericult. Sci. Japan 21:237-239. Ref. Dec.1952. 425.9 Se6

65556 SANO, T. Studies on the silkworm disease caused by Mermithid nema. I. (In Japanese.) J. Sericult. Sci. Japan 21:298-301. Ref. Dec.1952. 425.9 Se6

65557 SEKIDO, I. Studies on flat deformed cocoons. I. (In Japanese.) J. Sericult. Sci. Japan 21:290-294. Dec.1952. 425.9 Se6

65558 SHIMIZU, S., and ITO, T. Influence of hybridization on various characters of the intercrosses among inbred lines of a race in the silkworm, Bombyx mori. (In Japanese.) J. Sericult. Sci. Japan 21:264-268. Dec. 1952. 425.9 Se6

65559 SHIMIZU, S., and HORIUCHI, Y. Interrelation between the physiological condition of silkworm larva (Bombyx mori L.) and the excretory function of their Malphighian tubes. (In Japanese.) J. Sericult. Sci. Japan 21:276-279. Dec.1952. 425.9 Se6

65560 TAKAMI, T. Hibernating, non-hibernating and acid-treated eggs of the silkworm in special reference to the dispersion of fatty globules in yolk cells. (In Japanese.) J. Sericult. Sci. Japan 21:245-251. Ref. Dec.1952. 425.9 Se6

65561 TAKAMI, T. Some observations on the silkworm egg fixed in Carnoy's fluid. (In Japanese.) J. Sericult. Sci. Japan 21:84-89. Aug.1952. 425.9 Se6

65562 TARTUFOLI. Silkworms, cocoons, silk; comforting outlook for new breeders. (In Italian.) Terra e Sole 128:123-124. Apr.1953. 16 T273
Italy.

65563 TOUMANOFF, C., and VAGO, C. Recherches sur l'effet toxique de Bacillus cereus var. alesti vis-a-vis des vers a soie (premiére série). Inst. Pasteur. Ann. 84:623-627. Mar.1953. 448.3 An75

65564 YAGI, H., and URABE, S. Studies on reeling quality of cocoons. IX. (In Japanese.) J. Sericult. Sci. Japan 21:185-192. Oct.1952. 425.9 Se6

65565 YAMAFUJI, K., MATSUKURA, Y., and ETO, M. Electrophoresis of silkworm polyhedra. Enzymologia 15:327-328. Feb.1,1953. 390.08 En9

65566 YAMAFUJI, K., and YOSHIHARA, F. Embryonic development and virus formation in silkworm. Enzymologia 15:321-326. Ref. Feb.1,1953. 390.08 En9
Production of polyhedral virus.

65567 YAMAFUJI, K., OMURA, H., and SATO, M. Polyhedron production in offspring of virus-infected silkworms. Enzymologia 15:362-365. Feb.1,1953. 390.08 En9

65568 YAMAFUJI, K., and YOSHIHARA, F. Virus formation in interspecific hybrids of silkworms. Enzymologia 15:366-370. Feb.1,1953. 390.08 En9
Polyhedral disease.

SMALLER ORDERS

65569 BACIGALUPO, J. Las pulgas de ratas de Rosario como huéspedes intermediarios de Cestodes. Soc. Ent. Argentina. Rev. 15:263-265. Dec.31,1952. 420 So14

65570 BARLET, J. Ressemblances entre le thorax de Nicoletia (Thysanoure Lépismatide) et celui d'autres aptérygotes. Inst. Roy. des Sci. Nat. de Belg. B. 28(54), 8 p. Oct.1952. 504 B835B

65571 BARRERA, A. Notas sobre Sifonapteros. V. Consideraciones sobre los géneros que forman la subfamilia Rhopalopsyllinae Oudemans, 1909 (Ins., Siph., Rhopalops.), Ciencia 12:187-194. Ref. Dec.15,1952. 475 C48
English summary.

65572 BERTRAND, H., and AUBERT, J. Récoltes de Plécoptères dans les Pyrénées. Soc. Ent. de France. Ann. 131:93-106. Ref. 1952. 420 F84

65573 BIANCHI, F. A. Thysanoptera of Samoa. Hawaii. Ent. Soc. Proc. 15:93-108. 1952,pub.Mar.1953. 420 H312
Includes new species in Taeniothrips, Thrips, Hoplothrips, Gynaikothrips and Docessissophothrips.

65574 BOTT, R. Der südeuropäische riesenhaft (Palpares libelluloides). Nat. u. Volk 82:331-332. Oct.1, 1952. 509 F856

65575 BREKKE, J. E., and others. Studies on removal of thrips from cane berries intended for processing. U. S. Bur. Agr. & Indus. Chem. AIC-353,5 p. Feb.1953. 1.932 A2Ag82
C. C. Nimmo, H. A. Swenson, C. E. Samuels, and J. R. Brock, joint authors.

65576 BUCHHOLZ, K. F. Eine neue Antidythemisart (Libellulinae, Odonata) mit bemerkungen ueber das genus Antidythemis Kirby und A. Trameiformis Kirby. Inst. Roy. des Sci. Nat. de Belg. B. 28(35),11 p. Apr. 1952. 504 B835B

65577 CANIZO, J. DEL. Los piojos de las gallinas. Rev. Ganad. [Habana] 13(4):22-23,64. Apr.1953. 49 R321

65578 CLÉMENT, G. Recherches sur le polymorphisme de Psammotermes hybostoma Desneux. Ann. des Sci. Nat. Zool. et Biol. Anim. (ser.11)14:95-116. Ref. 1952,pub.Jan.1953. 410 An7

65579 COATON, W. G. H. Cryptotermes of the Union of South Africa (with key to the South African wood-inhabiting termites). Ent. Soc. South. Africa. J. 13:3-32. Ref. Sept.20,1950. 420 En86
Includes new species.

65580 DAVIS, D. H. S. First record of a louse (Neohaematopinus sciurinus) from the American grey squirrel in the Cape. Ent. Soc. South. Africa. J. 14:26. May 31,1951. 420 En86

65581 DE MEILLON, B. Notes on Siphonaptera. Ent. Soc. South. Africa. J. 13:33-36. Sept.30,1950. 420 En86
Includes a new species in Ctenophthalmus.

65582 DEMOULIN, G. Les Behningia Lestage 1929, et leur position dans la classification des Éphémères. Inst. Roy. des Sci. Nat. de Belg. B. 28(21),15 p. Ref. Mar.1952. 504 B835B

65583 DEMOULIN, G. Contribution à l'étude des Ephoronidae Euthyplociinae (Insectes Éphéméroptères). Inst. Roy. des Sci. Nat. de Belg. B. 28(45),22 p. Ref. July 1952. 504 B835B
Includes Mesoplocia n. g.

65584 DEMOULIN, G. Sur deux Palingeniidae (Insectes Éphéméroptères) mal connus. Inst. Roy. des Sci. Nat. de Belg. B. 28(33),11 p. Apr.1952. 504 B835B
Includes Cheirogenesia n. g.

65585 DEMOULIN, G. Sur les affinités siphlonuridiennes du genre Metreletus Demoulin, 1938 (Insectes Éphéméroptères). Inst. Roy. des Sci. Nat. de Belg. B. 28(31),11 p. Ref. Apr.1952. 504 B835B

65586 EICHLER, W. Eomenacanthus brachygaster Giebel (Mallophaga). Beitr. z. Ent. 2:567-573. Dec. 1952. 421 B392

65587 FOX, I. Notes on the cat flea [Ctenocephalides felis] in Puerto Rico. Amer. J. Trop. Med. & Hyg. 2:337-342. Ref. Mar.1953. 448.8 Am326

65588 FRIAUF, J. J. An ecological study of the Dermaptera and Orthoptera of the Welaka area in northern Florida. Ecol. Monog. 23:79-126. Ref. Apr.1953. 410 Ec72

65589 GARDNER, A. E. Further notes on exophytic oviposition in Odonata. Ent. Mon. Mag. 89:98-99. May 1953. 421 En86

65590 GEORGIJEVIC, E. Protection of plywood from termites. (In Serbo-Croatian.) Narod. Šumar 7:50-51. Jan./Feb.1953. 99.8 N16
English summary.

65591 GEYER, J. W. A comparison between the temperatures in a termite supplementary fungus garden and in the soil at equal depths. Ent. Soc. South. Africa. J. 14:36-43. May 31,1951. 420 En86

65592 GEYER, J. W. Hermaphroditic termites. Ent. Soc. South. Africa. J. 13:106-107. Sept.30,1950. 420 En86

65593 GILES, E. T. The biology of Anisolabis littorea (White) (Dermaptera: Labiduridae). Roy. Soc. New Zeal. Trans. 80:383-398. Feb.1953. 514 W46

65594 HARTWIG, E. K. Taxonomic studies of South African Thysanoptera, including genitalia, statistics and a revision of Trybom's types. Union So. Africa. Dept. Agr. Ent. Mem. 2:340-499. Ref. 1952. 423.92 So8
Includes new species in Aeolothrips, Melanthrips, Sericothrips, Hypothrips, Dexiothrips n.g., and Malacothrips.

65595 HERFS, A. Die termitenstation der Farbenfabriken Bayer Aktiengesellschaft Leverkusen. Anz. f. Schadlingsk. 26:56-58. Apr.1953. 421 An9

65596 HUDSON, G. B. Studies in the comparative anatomy and systematic importance of the hexapod tentorium. IV. Ephemeroptera. Ent. Soc. South. Africa. J. 14:3-23. Ref. May 31,1951. 420 En86

65597 KALSHOVEN, L. G. E. Notes on the biology of the fungus tending termite Microtermes. (In Dutch.) Tijdschr. v. Ent. 95:XC-XCI. Dec.20,1952. 421 T21

65598 KECK, C. B. The elimination of subterranean termite damage by structural methods. Hawaii. Ent. Soc. Proc. 15:187-194. 1952,pub.Mar.1953. 420 H312

65599 KELER, S. VON. Uber den feineren bau der tarsen bei Pseudomenopon rowanae Kéler (Mallophaga). Beitr. z. Ent. 2:573-582. Dec.1952. 421 B392

65600 KELSEY, J. M. Supplementary termites and termite control. New Zeal. Sci. Rev. 11:3-7. Jan./Feb. 1953. 475 N48

65601 KIMMINS, D. E. New Hawaiian Coniopterygidae (Neuroptera). Hawaii. Ent. Soc. Proc. 15:37-39. 1952,pub.Mar.1953. 420 H312
In Coniocompsa and Coniopteryx.

65602 KNOWLTON, G. F., and BINNS, W. Cattle lice control. Utah. State Agr. Col. Ext. C. 184,2 p. Apr.1953. 275.29 Ut1
Reprint of Bulletin 215.

65603 KOENEN, F. Goldhamster als wirt des eichhörnchenflohes. Z. f. Hyg. Zool. u. Schädlingsbekämpf. 40:259-260. Aug./Sept.1952. 449.8 Z36

65604 LEMS, K. From nymph to dragonfly [Libellula]. (In Dutch.) Levende Nat. 56:75-79. Ref. Apr.1953. 410 L57

65605 LIEFTINCK, M. A. Anax parthenope Selys in the Netherlands (Odon.). (In Dutch.) Tijdschr. v. Ent. 95: CIV-CV. Dec.20,1952. 421 T21

65606 LIEFTINCK, M. A. Notes on some dragonflies (Odonata) of the Cook Islands. Hawaii. Ent. Soc. Proc. 15: 45-49. 1952,pub.Mar.1953. 420 H312

65607 LIONG, L. S. Termite trapping. Ent. Ber. 14: 220-222. Feb.1,1953. 420 N38B
For food.

65608 LONGFIELD, C. Oviposition in dragonflies (Odonata). Ent. Mon. Mag. 89:97. May 1953. 421 En86

65609 LÜSCHER, M. The termite and the cell. Sci. Amer. 188(5):74-76,78. May 1953. 470 Sci25

65610 OETTINGEN, H. VON. Die thysanopteren-fauna des Harzes.IV. Die Thysanopteren der kulturflächen. Beitr. z. Ent. 2:586-604. Ref. Dec.1952. 421 B392

65611 PAGÈS, J. Japygidae (Insecta, Diplura) du Congo Belge. Rev. de Zool. et de Bot. Africaines 46:345-372. Ref. Dec.24,1952. 410 R326
New species in Austrjapyx and Oncojapyx.

65612 PARSONS, A. May-fly. Estate Mag. 53:183-184. May 1953. 10 Es8
Ephemerida.

65613 PATEL, G. A., and PATEL, H. K. Control of termites as pests of fruit trees. Zool. Soc. Bengal. Proc. 5:133-140. Ref. Sept.1952. 410.9 Z73
DDT and benzene hexachloride to control Trinervitermes biformis chiefly.

65614 PETERSON, H. O., and others. Anemia in cattle caused by heavy infestations of the blood-sucking louse, Haematopinus eurysternus. Amer. Vet. Med. Assoc. J. 122:373-376. May 1953. 41.8 Am3
I. H. Roberts, W. W. Becklund, and H. E. Kemper, joint authors.

65615 REHN, J. A. G. The type of Forficula rehni (Dermaptera). Ent. News [Philadelphia] 64:126-127. May 1953. 421 En88

65616 REYNOLDS, M. S. Thrips are another cause of bud blast. Gloxinian 2(5):6-7. Mar./Apr.1953. 96.06 G51

65617 ROSS, H. H., and KING, E. W. A key to the world genera of the caddisfly tribe "Hydrobiosoni" (Trichoptera, Rhyacophilidae). Acta Zool. Lilloana 12: 501-508. 1951,pub.1952. 410 Ac82
Includes new species in Uguazu n. g. and Cailloma n. g.

65618 UCHIDA, H. A new genus [Gibberathrix] of Sminthuridae from Japan (Collembola). Mushi 24:1-4. Nov.15,1952. 421 M97

65619 VERDCOURT, B. The occurrence of a species of Helicopsyche Bremi (Trich., Sericostomatidae) in tropical Africa. Ent. Mon. Mag. 89:106. May 1953. 421 En86

65620 WEIDNER, H. Die bodentermite Reticulitermes, eine ernste gefahr für die gebäude in Hamburg. Ent. Z. 62:191-192. Mar.15,1953. 421 En85

65621 WOLFE, L. S. A study of the genus Uropetala Selys (Order Odonata) from New Zealand. Roy. Soc. New Zeal. Trans. 80:245-275. Ref. Feb.1953. 514 W46

65622 WYGODZINSKY, P. Apuntes sobre "Thysanura" americanas (Apterygota, Insecta). Acta Zool. Lilloana 11:435-458. 1951. 410 Ac82
English summary.
Includes new species in Machilinus, Machiloides, Machilellus, and Prosthecina.

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

65623 BIENEMANN, R. D. Lightning protection factors; the cause of more than a third of farm fire losses can be controlled. Elect. Farm Mag. 26(5):8-11,29. May 1953. 335.8 EL27

65624 BRIGHTEN, C. W. Maintenance of farm and estate roads. Roy. Inst. Chartered Surveyors. J. 32:804-807. May 1953. 282.9 C38J

65625 BUGBEE, P. A new plan for farm fire prevention. Mutual Ins. J.-News 48(5):6-7. (Cont.) May 1953. 284.68 M982

65626 CASHMORE, W. H. The National Institute of Agricultural Engineering. Farmers Annu. 1953:15-18. 10 F2237

65627 FOSTER, J. The farmstead—efficient and attractive. Purdue Agr. 44(7):4,14. Apr.1953. 6 P97
Layout and landscaping.

65628 HASKELL, T. Shade tree safety practices. Mich. Forestry & Park. Assoc. Annu. Mtg. 27:3-9. 1953. 99.9 M586

65629 HOCHKÖNIG, W. Die hocheinfahrt — eine "förderanlage" ohne maschine. Österr. Landtech. 5:336-338. Dec.1952. 58.8 L236

65630 LADD, W. D. Farm community action. Farm Safety Rev. 11(3):4. May/June 1953. 449.8 F22

65631 MAHAFFEY, J. Farm pond experiment. Okla. Game & Fish News 9(5):6-8. May 1953. 410 Ok4

65632 MAHR, T. Moderner frondienst. Traktor 4: 77-78. Apr.1953. 58.8 T677
Road upkeep.

65633 POWELL, T. A pond is a good investment. Org. Farmer 4(9):17-19,49. Apr.1953. 57.8 Or3

65634 PRIETO B., J. Sistema para trazos en curvas de nivel. Agr. Trop. 9(4):55-58. Apr.1953. 26 Ag8
Surveying.

65635 RAMIREZ CALDERON, R. Aplicación de los explosivos en la agricultura. Res 21:27751. Jan.20,1953. 286.85 R31

65636 ROADNIGHT, R. Fire precautions on the farm. Farmers Annu. 1953:58-60. 10 F2237

65637 RUSH, J. D. Playing it safe on the farm as we grow older. Mich. Milk Messenger 35,i.e.36:4. May 1953. 44.8 M582

65638 SCHWAN. Blitzschutz am bauernhof. Traktor 4:76. Apr.1953. 58.8 T677

65639 U. S. DEPT. OF AGRICULTURE. SAFETY COUNCIL. Spring 1953, clean-up and be free from fires in fifty-three. Washington,1953? 4 p. 1.90 C3Sa1S
National Fire Protection Association cooperating.

65640 VASEY, G. H. Agricultural engineering. Austral. Inst. Agr. Sci. J. 19:8-18. Mar.1953. 23 Au74

FARM MACHINES AND EQUIPMENT

65641 ALTHOFF, H. Mit weniger arbeit; 125 praktische kniffe und winke für die landwirtschaft. Berlin, Parey,1953. 83 p. 58 AL7

65642 ARKEMA, P. W. B. Are there too many types of farm machines? (In Dutch.) Overijsselsch Landbbl. 35(1702):3. Apr.23,1953. 12 Ov2

65643 ARMSTRONG, J. M. New developments in the field of farm equipment. Ontario Plowmen's Assoc. Annu. Rpt. 40:51-63. 1951,pub.1952. 7 On84

65644 ATHERTON, R. P. To buy or not to buy. New Eng. Homestead 126(10):9,16. May 23,1953. 6 N442
Equipment costs and returns.

65645 BAKKER ARKEMA, P. W. Are there too many kinds of agricultural machines? (In Dutch.) Gelders Landbbl. 16(17):3. Apr.23,1953. 12 G282

65646 BALDONI, R. Loading and transportation of products, irrigation and additional work on the farm. (In Italian.) Macch. & Motori Agr. 11:353-376. Apr.1953. 58.8 M13
Equipment.

65647 BALLU, T. Le 25e Salon de la Machine Agricole. Tech. Agr. 67:10-18. Apr.1953. 58.8 T222

65648 BERGER, F. Praktische transportgeräte für häcksel. Österr. Landtech. 5:335-336. Dec.1952. 58.8 L236

65649 BERICHT, E. Wie eine vollmechanisierte US-farm wirtschaftet! Tech. f. Bauern u. Gärt. Ausg. A 5: 169-170. Apr.25,1953. 58.8 T223

65650 BETTI, A. Verona and Paris: arches in a bridge to the future. (In Italian.) Macch. & Motori Agr. 11:386-391. Apr.1953. 58.8 M13
Equipment shows.

65651 BRADLEY, J., and KIRBY, R. H. Report on investigations into the mechanised production of jute and jute substitute fibres. Colon. Plant & Anim. Prod. 3:135-164. 1953. 472 C71
Culture and processing.

65652 BÜCKARBEIT verschwindet immer mehr. Grüne 81:425-433. Apr.17,1953. 17 Sch9
Mechanization.

65653 CARENA, A. The machines approved at Marburg are well received in the whole world. (In Italian.) Macch. & Motori Agr. 11:379-384. Apr.1953. 58.8 M13

65654 CHABERT, F. DE. Impressions sur le 25me Salon International de la Machine Agricole. Prog. Agr. et Vitic., Apr.19/26,1953:248-250. 14 P94

65655 CULPIN, C. Farm machinery. Ed. 4. London, Lockwood,1952. 622 p. (Agricultural and Horticultural Series) 58 C89

65656 DAVIES, C. Mechanization in backward countries. Farm Mech. 5:190-191. May 1953. 58.8 B772

65657 DELASNERIE, J. L'aspect technique du 25ème Salon International de la Machine Agricole. Rev. Agr. de l'Afrique du Nord 51:401-406,409-411. Apr.17,1953. 80 R326

65658 DELASNERIE, J. Les machines nouvelles. Rev. Agr. de l'Afrique du Nord 51:416-422. Apr.17,1953. 80 R326

65659 DRICOT, C., and BRUGGEMANS, R. J. La mécanisation de la culture du maïs-grain. (Condensed.) Rev. de l'Agr. 6:475-489. Apr.1953. 13 R322
English summary.
Tests at the Station de Génie Rural, Gembloux.

65660 DUDLEY, R. Machinery. Farmers Wk. [London] 38(20):75. May 15,1953. 10 F2226
Great Britain.

65661 EBERTZ, K. Die bisher grösste DLG-schau. Landtechnik 8:175-179. Apr.15,1953. 58.8 L235

65662 EDWARDS, F. E., and KIMBROUGH, E. A. Progress report on mechanization study for hill sections. Miss. Farm Res. [Miss. Sta.] 16(4):7-8. Apr.1953. 100 M69Mi

65663 EPHRAT, A. Israel, a miniature California. Farm mechanization in young democracy takes western state's lead. Irrigation equipment adapted to meet identical field conditions. Impl. Rec. 50(6):27,54. May 1953. 58.8 Im73

65664 FAHRINGER, F. Landtechnik in Österreichs bergland. Tech. f. Bauern u. Gärt. Ausg. A 5:185-187. (Cont.) Apr.25,1953. 58.8 T223
Equipment.

65665 FEDDO, K. I. Agricultural mechanization as it effects the national economy of Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Atl'i-'Iraqiyah 8:239-253. Apr./June 1953. 22.5 Ir1
English summary, p. 3.

65666 FERGUSON, H. Farming machinery which spans the world. Gt. Brit. & East 69:xvii-xix. Mar.1953. 286.8 N27
Mechanization in various countries.

65667 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Repertoire alphabetique en langue allemande du lêxique trilingue. France. Serv. de la Doc. sur le Mach. Agr. Etude 101,57 p. Apr. 1953. 58.9 F842

65668 GERDES, B. Erfahrungen in der motorisierung eines 10 ha-betriebes. Landmasch.-Rundschau 5:77-78. Apr.1953. 58.8 L237
Germany.

65669 GONTAN, H. Relation entre l'importance agricole des départements et les investissements agricoles réalisés avec l'aide du Fonds de Modernisation et d'Equipement. France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 81:321-325,327-328. Apr.1953. 281.8 F84

65670 GRIFFITH, E. N. The agricultural machinery industry; how it affects the farmer and nation. Farmers Annu. 1953:19-20. 10 F2237

65671 GROGAN, F. O., and BOLLEN, A. Farm machinery in Australia; survey reveals age pattern. Wesfarmers News 1(3):3-4. Feb.5,1953. 23 W51

65672 HANSEN, P. B. Machinery consultants. (In Danish.) Jydsk Landbr. 35:312-313. May 7,1953. 11 J99

65673 HOIJER, H. Supply and demand for agricultural machinery. (In Swedish.) Lantm. och Andelsfolk 26:115-117. Apr.30,1953. 20 L29

65674 HUISMAN, L. H. Mechanization of Dutch agriculture at the present and in the future. (In Dutch.) Overijsselsch Landbbl. 35(1702):1. Apr.23,1953. 12 Ov2

65675 HUISMAN, L. H. Mechanization of Netherlands agriculture in the present and future. (In Dutch.) Landbode 7:1. Apr.23,1953. 12 L234

65676 HUISMAN, L. H. Mechanization of Netherlands agriculture in the present and future. (In Dutch.) Gelders Landbbl. 16(17):1. Apr.23,1953. 12 G282

65677 HUISMAN, L. H. Mechanization of Netherlands agriculture in the present and future. (In Dutch.) Groninger Landbbl. 31(17):1. Apr.23,1953. 12 G892

65678 IMPLEMENT RECORD. Western farm equipment directory, 1953. Impl. Rec. 50(4),130 p. Mar.1953. 58.8 Im73

65679 JORDAN, O. Maschinenvorführungen der Landwirtschaftskammer. Landwirtbl. Weser-Ems 100: 456-458. Apr.23,1953. 18 L2345

65680 KENNEDY, S. Palletized handling and storage of potatoes. Amer. Potato J. 30:78-81. Mar.1953. 75.8 P842

65681 KIEWITT, E. Keine sensationen; was der landwirt von der maschinenschau der DLG-Ausstellung 1953 in Köln erwarten soll. Ubersicht 4:321-325. Apr. 1953. 18 Ub3

65682 KRIJNEN, H. J. M. Fruit growers in Betuwe learns technique. (In Dutch.) Fruitteelt 43:355. Apr.25, 1953. 86 N28

65683 LABROUSSE. Le XXVe Salon de la Machine Agricole. Marchés Colon. du Monde 9:1229,1231,1233-1236. Apr.25,1953. 286.8 M33
France.

65684 LACOMBE, R. Les machines nouvelles au Salon de la Machine Agricole. Agriculture [Paris] 17:71, 73-74. Mar.1953. 14 Ag823

65685 LEDESMA, A. F. DE, and LEDESMA, E. M. DE. Three keys to farm mechanisation. Rev. River Plate 113(3142):19-21,23. Mar.31,1953. 286.8 R32

65686 MACHINERY Japan: agricultural machinery & implements. Tokyo,Japan Advn. Assoc. Agr. Mach. & Impl.,1952. 130 p. 58.8 M185

65687 MARAMBA, F. D. Report of the accomplishment of farm mechanization in the Philippines. Internatl. Rice Comn. News Let. 4:6-11. Dec.1952. 59.9 In83N

65688 MAUCH, A. Bemerkenswertes von der Landmaschinenausstellung am 27. und 28. Februar. Obstbauversring. des Alten Landes. Mitt. 8:68-71. Mar.1953. 85 J76

65689 MIGNOTTE, F. Le XXVe Salon de la Machine Agricole. Agr. Prat. 117:176-179. Apr.1953. 14 J82

65690 MIRNIG, E. Einige gedanken zur technisierung der landwirtschaft. Kärntner Bauer 103:196-198. May 1, 1953. 19 K14

65691 1953 buyer's guide issue with implement repair information. Farm Impl. News, Apr.25,1953(sect.2), 432 p. 58.8 F223

65692 OLLIVIER. Les enseignements du 25ème Salon de la Machine Agricole. Rev. Agr. de l'Afrique du Nord 51:412,415. Apr.17,1953. 80 R326

65693 PATTERSON, H. L. Investment in mechanization in relation to size of farm. Ontario Plowmen's Assoc. Annu. Rpt. 40:63-66. 1951,pub.1952. 7 On84

65694 PEROL, G. Le machinisme agricole dans un département de montagne: la Haute-Loire. Génie Rur. 46:127-128. Apr.1953. 58.8 Au8

65695 PÉRONNET, A. Après le 25me Salon de la Machine Agricole. Potasse 27:71-73. Apr.1953. 57.8 P84

65696 PHILLIPS, R. W. Automatic bin filling with conveyors. Farm Chem. 116(5):24-26. May 1953. 57.8 Am3

65697 PINKERTON, L. G. Solving the problems of grain conveying. Agr. Mach. J. 7(4):31,72. Apr.1953. 58.8 Ag86

65698 REGGIANI, A. Problems of agricultural mechanization; need for increased cooperation between industry and agriculture. (In Italian.) Rass. dell'Agr. Ital. 8(1):29-31. Jan.1953. 281.8 R18

65699 RIES, L. W. Der gegenwärtige stand der mechanisierung des bauernbetriebes. Landtechnik 8:171-174. Apr.15,1953. 58.8 L235
Germany.

65700 RITCHIE, W. 1953 custom rates for machinery. Hoard's Dairyman 98:480-481. May 25,1953. 44.8 H65

65701 ROBIN, F. La propriété et l'équipement. Renaissance Agr. Métrop. et Colon. 7(3):1,3,6. Mar.1953. 14 R292
The Monnet Plan.

65702 RYERSON, G. E., and HUDDLESTON, K. The farm equipment industry in soil conservation. J. Soil & Water Conserv. 8:14-20. Jan.1953. 56.8 J822

65703 SAUZE, F. Le machinisme agricole en Algérie Rev. Agr. de l'Afrique du Nord 51:427-430,433. Apr.17, 1953. 80 R326

65704 SMALL-scale agricultural mechanization. (In Portuguese.) Orientação Econ. e Financ. 10(113):48,52. Feb.1953. 280.8 Or42
Brazil.

65705 ZEMBORAIN, S. M. Algunas consideraciones sobre la mecanización agricola cooperativa. Res 20: 27314. Aug.20,1952. 286.85 R31

Animal Husbandry Equipment

65706 BEHRENDT-RUPENNEST. Was ist beim ankauf von melkmaschinen zu beachten? Landwirtbl. Weser-Ems 100:436-437. Apr.16,1953. 18 L2345

65707 BERG, P. Bin flow problems and solutions. Feedstuffs 25(19):16-18,20. May 9,1953. 286.81 F322

65708 BLASCH, G. Doppelmelker oder einzelmelker? Österr. Landtech. 5:335. Dec.1952. 58.8 L236

65709 CLAYDON, T. J. Methods for studying factors that influence the sanitary condition of milking machine teat-cup liners. J. Dairy Sci. 36:391-401. Ref. Apr.1953. 44.8 J822

65710 HECKER, E., and LAUB, F. Das A B C des maschinenmelkens. Stuttgart,Ulmer,1952. 43 p. (Tierzuchtbücherei) 44 H352

65711 HELDEN, P. J. J. VAN. The application of a fixed barn conduit for milking machine installation. (In Dutch.) Nieuwe Veldbode 19:602-603. Apr.23,1953. 12 V542N

65712 KASSEL. Maschinenmelken auf der weide. Landwirt. Wchnbl. 110A:662. Apr.16,1953. 18 L2338

65713 M'KENZIE, D. A., and LAMBERT, J. Sterilisation of milking machine clusters. Scot. Agr. 32:206-210. Spring 1953. 10 Sco82So

65714 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Plans for poultry equipment for 4-H Poultry Club members. Mass. U. Agr. Ext. 4-H L. 57,11 p. n.d. 275.29 M381J

65715 NEW MEXICO. COLLEGE OF AGRICULTURE. EXTENSION SERV. How to build a portable livestock scale. N. Mex. Agr. Col. Ext. C. 238,6 p.-folder. Apr. 1953. 275.29 N463E

65716 NICHOLAS, J. E. Comfort zone patterns in infrared brooding. Agr. Engin. 34:313-314. May 1953. 58.8 Ag83

65717 PHAGAN, C. V., and WARREN, A. G. Brooding chicks with heat lamps or infrared brooding. Okla. Agr. Col. Ext. C. 589,8 p. n.d. 275.29 Ok41C

65718 POKORNY. Elektrische viehreinigung—eine neue erleichterung der stallarbeit. Kärntner Bauer 103: 199-200. May 1,1953. 19 K14

65719 PONSIGNON, M. Quel est actuellement le meilleur incubateur? Vie à la Campagne 42:34-36. Jan.1953. 80 V67

65720 QUERNER, H. Aufzucht mit propangasstrahlern. Deut. Wirtgeflügelzucht. 5:385. Apr.11,1953. 47.8 D483
Brooders.

65721 SAMUEL, E. Mass milk production in Australia; describes a multiple system by which 300 cows an hour are milked on an Australian farm. New Commonwealth 25:450-451. Apr.27,1953. 280.8 C88
On the rotolactor.

65722 SEELEMANN, M., and RACKOW, H. G. Reinigung und desinfektion auf dem bauernhofe, unter besonderer berücksichtigung der melkmaschinen. Molk.- u. Käserei-Ztg. 4:439-441. (Cont.) Apr.9,1953. 44.8 M736

65723 SEELEMANN, M., and RACKOW, H. G. Reinigung und desinfektion auf dem bauernhofe unter besonderer berücksichtigung der melkmaschinen. Molk.- u. Käserei-Ztg. 4:472-473. (Cont.) Apr.16,1953. 44.8 M736

65724 SEELEMANN, M., and RACKOW, H. G. Reinigung und desinfektion auf dem bauernhofe unter besonderer berücksichtigung der melkmaschinen. Molk.- u. Käserei-Ztg. 4:503-504. (Cont.) Apr.23,1953. 44.8 M736

65725 SWIERSTRA, S. Description of the cafeteria stall at Sneek. (In Dutch.) Nieuwe Veldbode 19:601. Apr.23,1953. 12 V542N
For cattle.

65726 THACKER, G., and WIEGERS, H. Barrel incinerator for dead poultry. Nebr. Agr. Col. Ext. E. C. 1405,3 p. 1953. 275.29 N272Ex

Cultivation and Tillage Equipment

65727 ARMER, A. Machine thinning—its history present status and application. Spreckels Sugar Beet B. 17:10-11. Mar./Apr.1953. 66.8 Sp7

65728 BARMINGTON, R. D. Machines and sugar beets. Colo. Farm & Home Res. [Colo. Sta.] 3(6):8-9. Mar./Apr.1953. 100 C712Co
Thinning and harvesting with machines.

65729 BERTHAULT, P. La motoculture en Algérie. Rev. Agr. de l'Afrique du Nord 51:399-400. Apr.17,1953. 80 R326

65730 DEAKIN, O. A. Construction of stabilized turf shoulders with mechanized equipment. Ohio. State U. Short Course Roadside Devlpmt. 11:17-22. 1952. 288.9 Oh3
Soil preparation and planting.

65731 FISCHER, J. H. Spring work—the effects of mechanization. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:57-60. 1953. 66.9 Am353

65732 FRENCH, G. W. The application of some new concepts in the design of sugar beet thinners. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:49-56. 1953. 66.9 Am353

65733 GALLETTI, A. C. The mechanical plow (a relief in earth-turning). (In Italian.) Colt. e Gior. Vinic. Ital. 99:92-93. Mar.1953. 16 C72

65734 GILAT, R. Winter cultivations and sowing equipment for summer crops. (In Hebrew.) Hassadeh 33: 252-255. Feb./Mar.1953. 26 H27

65735 GROTH, H. J. Die motorische pflugarbeit und ihre fehlerquellen. Deut. Landwirt. 4:131-135. Mar. 1953. 18 D4822

65736 HAGIE, R. W. Why detasseling machines? Right Off Cob 8(2):5,7-8. Mar./Apr.1953. 59.8 R44

65737 LAMPING, E. A. E. The test farm for the mechanized culture of dry rice at Sekon (Timor). (In Dutch.) Landbouw [Bogor] 24:139-176. Apr./June 1952. 22.5 L23
English summary.

65738 MALAN, A. H. The slanting trellis. Farming So. Africa 28:61-64. Feb.1953. 24 So842
For grape vines.

65739 MEEK, W. E., and WILLIAMSON, E. B. Cross-plowing of cotton. Miss. Agr. Expt. Sta. Serv. Sheet 423,2 p. Apr.1952. 100 M69

65740 MIGNOTTE, F. Le matériel pour le travail du sol au 25ème Salon de la Machine Agricole. Motorisation Agr. 8:157,159,161. Mar.1953. 58.8 M85

65741 REED, I. F., and BERRY, M. O. A recording torquemeter. Agr. Engin. 34:307,311. May 1953. 58.8 Ag83
For testing tillage equipment.

65742 REEVE, P. A. Present and future development in spring mechanization. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:61-62. 1953. 66.9 Am353

65743 SHENBERGER, L. C., ISAACS, G. W., and CARTER, A. S. Problems in the design and construction of a seed germinator. Assoc. Off. Seed Anal. Proc. 42: 138-140. 1952. 61.9 As7

65744 SPENCER, W. W. New power garden tools. Pop. Gard. [Albany] 4(5):40-41,62-66. May 1953. 80 P812

65745 VIGUIER, M. P. Some general considerations on the mechanization of rice cultivation in the French overseas territories. Internatl. Rice Comn. News Let. 4: 11-13. Dec.1952. 59.9 In83N

65746 WILES, E. How the culti-cutter fits into my farm operation. Mich. State Hort. Soc. Proc. 82:80-82. 1952,pub.1953. 81 M58
A brush chopper.

Fertilizer and Seed Distributors

65747 BERGER, F. Das unbeliebte ausmisten—mechanisiert. Österr. Landtech. 6:9-14. Jan.1953. 58.8 L236

65748 CAPISTRANO, S. Mechanical land preparation and planting of lowland rice. Philippines. Bur. Plant Indus. Plant Indus. Digest 16(3):3-8,11. Mar.1953. 25 P544P
In the Philippines.

65749 DUINKER, A. Fertilizer spreaders. II. (In Dutch.) Landbouwberichten 8:74. Apr.23,1953. 12 L236

65750 DUINKER, A. Fertilizer spreaders. III. (In Dutch.) Landbouwberichten 8:77-78. Apr.30,1953. 12 L236

65751 DUINKER, A. Fertilizer distributors. IV. (In Dutch.) Landbouwberichten 8:80. May 7,1953. 12 L236

65752 FEIX, H. Gülleverteilung. Bauer 6(15):9. Apr. 11,1953. 19 B32
Spraying equipment.

65753 GILAT, R. Machinery for sowing summer cereals. (In Hebrew.) Hassadeh 33:251-252. Feb./Mar. 1953. 26 H27

65754 HENDERSON, F. Ten times as fast at a quarter the cost. Dairy Farmer [Ipswich] 26(5):25,27. May 1953. 44.8 D1414
Manure handling equipment.

65755 KALVERKAMP, U. D. Fertilizer distributors. (In Dutch.) Ons Friese Platteland 7(316):8. Apr.24,1953. 12 On72

65756 KALVERKAMP, U. D. Potato planting. (In Dutch.) Boer en Tuinder 7(323):16. Apr.25,1953. 12 B632
Equipment.

65757 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Planter boxes recommended for planting castor beans. Okla. Agr. Expt. Sta. Mimeog. C. M-243, 5 p. Feb.1953. 100 Ok4M

65758 STEVENS, J. G. R. New precision drills for sugar beet seen at Norfolk competition. Agr. Mach. J. 7(4):38-40. Apr.1953. 58.8 Ag86

Harvesting Equipment

65759 ABEL, F. Mähdreschereinsatz 1952. Landtechnik 8:181. Apr.15,1953. 58.8 L235

65760 ARMER, A. A. A harvester for Ireland's sugar beets. Agr. Engin. 34:312,314. May 1953. 58.8 Ag83

65761 BERTSCH, M. Combines have developed fast. Prairie Farmer, Gen. Ed. 125(10):50-51. May 16,1953. 6 P883

65762 BODDY, H. New small seed suction harvester. Calif. Farmer, South. Ed. 198:446. Apr.18,1953. 6 C126A

65763 BUTT, J. L. Crusher cuts hay curing in half. Prog. Farmer, Ga.-Ala.-Fla. Ed. 68(5):86B,88A. May 1953. 6 P945G

65764 BYERS, G. L. Equipment used in harvesting silage. Farmer's Advocate & Canad. Countryman 88 (3445):7. Apr.25,1953. 7 F22

65765 CHILDERS, L. E. Labor saving methods of harvesting high quality hay. Breeder's Gaz. 118(6):10, 14. June 1953. 49 B74

65766 COTTON topper developed by Shafter inventor. Calif. Farmer, South. Ed. 198:467. Apr.18,1953. 6 C126A

65767 GERÄTE und verfahren für die rauhfutterernte. Landtechnik 8:197-225. Apr.30,1953. 58.8 L235

65768 GILES, G. W. The need for tobacco harvesting mechanization. N. C. Agr. Expt. Sta. Inform. C. 8,13 p. May 1953. 58.9 N812

65769 HANSON, H. L. Field experience with a corn picker-sheller. Impl. Rec. 50(6):29-30. May 1953. 58.8 Im73

65770 HEDRICK, D. W., and HITCHCOCK, G. Use of scythette in range forage studies. J. Range Mangt. 6:182-184. May 1953. 60.18 J82

65771 HIGGINS, F. H. Builds $34,000 rice combines. Impl. Rec. 50(6):25. May 1953. 58.8 Im73

65772 JANKOWSKI, A. Über betriebsfragen der kombine S-4,0. Deut. Agrartech. 3:76-77. Mar.1953. 58.8 D482

65773 KRIER, A. O. New developments on sugar beet combines. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:72-73. 1953. 66.9 Am353

65774 LEIKER, MRS. A. Horsepower threshing re-enacted. Iron-Men Album Mag. 7(5):8-9. May/June 1953. 58.8 F2293

65775 MOENS, A. Combines or not? (In Dutch.) Groninger Landbbl. 31(17):7. Apr.23,1953. 12 G892

65776 MULLEN, L. A., and HAFENRICHTER, A. L. New harvester for hard-to-get grass seeds. Crops & Soils 5(8):14-15. June/July 1953. 6 W55

65777 NEW POTATO bulker speeds harvest. Calif. Farmer, South. Ed. 198:455. Apr.18,1953. 6 C126A

65778 PURGYI, F. Mähdrescher und getreidetrocknung. Bauer 6(16):9-11. Apr.18,1953. 19 B32
Austria.

65779 SCHOENLEBER, L. G., and TAYLOR, W. E. A two-row castor bean harvester. Okla. Agr. Expt. Sta. B. B-395,11 p. Apr.1953. 100 Ok4

65780 SORENSEN, K. B. Development of a John Deere one-row beet harvester. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:74-76. 1953. 66.9 Am353

65781 SOUBIÈS, L., and GADET, R. Sur la possibilité de généraliser l'expérimentation agronomique jusqu'a l'échelon de l'exploitant par l'emploi de la moissonneuse-batteuse et d'une méthode adaptée. Acad. d'Agr. de France. Compt. Rend. 39:178-182. Feb.11/18,1953. 14 P215Bc

65782 SPLINTER, W. E., and FRENCH, G. W. Cleaning devices on sugar beet harvesters. Amer. Soc. Sugar Beet Technol. East. U. S. & Canada. Proc. Region. Mtg. 7:63-71. 1953. 66.9 Am353

65783 WALZER, L. Die mechanisierung der getreideernte. Österr. Landtech. 5:331-332. Dec.1952. 58.8 L236

Land Clearing Equipment

65784 ANTTILA, R. A slab for moving stones. (In Finnish.) Teho 2/3:107-108. 1953. 20 T98
English summary, p. 118.

65785 FALCONER, I. R. The modern land leveller increases production. New Zeal. J. Agr. 86:235-236. Mar.16,1953. 23 N48J

65786 FUNIKOW, S. A. Die mechanisierung der arbeiten beim stubbenroden. Deut. Agrartech. 3:82. Mar. 1953. 58.8 D482

65787 HANKINS, J. W. Homemade land-leveler. Pop. Gard. [Albany] 4(5):24. May 1953. 80 P812

65788 JOHNSON, J. M. Cost of land clearing is determined for flatwoods, hammock in experiment. Fla. Cattleman 17(9):88-89. June 1953. 43.8 F66

65789 LINAKER, E. E. Woodland reclamation. Estate Mag. 53:189-191. May 1953. 10 Es8
Chiefly on land clearing equipment.

Processing Equipment Used on the Farm

65790 BROWN, C. A. C., and FINN-KELCEY, P. G. Electricity in farm crop-drying. Inst. Elect. Engin. Proc. Part 2. Power Engin. 100:115-129. Ref. Apr.1953. 335.9 In72P
Includes discussion.

65791 CHILDERS, L. E. Hay is partly how you make it. Farm Mangt. 2(6):46-50. May 1953. 281.8 F2225

65792 COLWELL, A. Hay is only as good as you make it. Org. Farmer 4(10):16-19. May 1953. 57.8 Or32

65793 CROPSEY, M. G. Three large reach-in freezers you can build. Oreg. Agr. Expt. Sta. C. Inform. 527,10 p. Apr.1953. 100 Or3C

65794 CROSBIE, C. J. Faulty threshing of peas must be avoided. New Zeal. J. Agr. 86:109,111-113,115. Feb. 16,1953. 23 N48J
Mechanical threshers are used.

65795 FARMER, S. F. Soaked in the stook, or dried in the barn? Power Farmer 10:158-162. May 1953. 58.8 P872
Field crop drying.

65796 FISCHER-SCHLEMM, W. E., and EGGERT, O. Praktische häckseldrusch-versuche. Landmasch.-Rundschau 5:54-56. Mar.1953. 58.8 L237

65797 FORREST, C. M. Fodder conservation aids Aust. food export drive. Adelaide Chamber Com. Trade Digest 3(12):10-11. Apr.1953. 287 Ad3T
Hay drying.

65798 GOEBEL, W. Erfahrungen der heuernte 1952. Hannoversche Land- u. Forstwirt. Ztg. 106:445-446. Apr.11,1953. 18 H194

65799 GROOT, H. DE. The drying of hay on field racks. (In Dutch.) Overijsselsch Landbbl. 35(1697):9. Mar.19,1953. 12 Ov2

65800 HEDLIN, C. P., and THEAKSTON, F. H. The mechanical aspects of barn hay drying. Farmer's Advocate & Canad. Countryman 88(3446):7,49. May 9,1953. 7 F22

65801 HERBSTHOFER, F. Warum breitdreschmaschine und warum schmaldreschmaschine? Österr. Landtech. 5:341-343. Dec.1952. 58.8 L236

65802 HIRSCH, K. Dreschmaschinentypen in der Deutschen Demokratischen Republik. Deut. Agrartech. 3: 89-90. Mar.1953. 58.8 D482

65803 HOFFSCHLAEGER, E. Der standard-feld-trockner. Deut. Landwirt.-Gesell. Mitt. 68:410-411. Apr. 23,1953. 18 N39
Hay.

65804 KOGAN, S. M. Arbeitsbreite und fahrgeschwindigkeit der mähdrescher S-4 und S-6. Deut. Agrartech. 3:75-76. Mar.1953. 58.8 D482

65805 MARTE. Der schnurreuter ein praktisches trockengerüst. Württemb. Wchnbl. f. Landwirt. 120:489. May 9,1953. 18 W96

65806 MATTHIES, H. J. Heutrocknung durch kaltbelüftung. (Sum.) Österr. Landtech. 5:341. Dec.1952. 58.8 L236

65807 MULLER, K. Kaltlufttrocknung, ein billigeres verfahren zur künstlichen heubereitung. Landwirt. Wchnbl. 143:556-557,589. May 2-9,1953. 18 L2338

65808 PELNAR, C. Why artificial hay drying? Stock & Dairy Farmer 40(10):10-11,22. Apr.1953. 6 N8195

65809 POWELL, T. Crushing makes better hay. Org. Farmer 4(10):14-16. May 1953. 57.8 Or32

65810 RAMSER, J. H., and KLEIS, R. W. It pays to crush your hay for faster field curing. East. Feed Merchant 4(6):39-40. June 1953. 389.78 Ea7

65811 SCHULZE-LAMMERS, H. Welche fortschritte bringen die neuen heutrocknungsverfahren? Landwirt. Wchnbl. 143:560. May 2,1953. 18 L2338
Germany.

65812 SINGLEY, M. E., and POULTON, B. R. Make hay "on wheels" and save labor. N. J. Farm & Gard. 24(5):20-22. May 1953. 6 G162

65813 STEELE, W. N. Get the new model. South. Seedsman 16(5):28,53. May 1953. 61.8 So8
Seed cleaning machinery.

65814 STERE, J. B. More air—bigger ducts—lower costs. Elect. Farm Mag. 26(5):4-5,28-29. May 1953. 335.8 EL27
Hay drying equipment.

65815 SYBEL, VON. Wirksame grünfutter-trocknung mit dem schubwende-trockner. Tech. f. Bauern u. Gärt. Ausg. A 5:175-176. Apr.25,1953. 58.8 T223

65816 TURK, K. L. Make plans now for handling your hay crop. Dairymen's League News 37(9):6-7. Apr.28, 1953. 44.8 D1432
Hay and silage making.

65817 VAN VLACK, C. H. Put up hay safely with a drier. Hoard's Dairyman 98:430,446. May 10,1953. 44.8 H65

65818 VAN VLACK, C. H. The why and how of hay drying. Successful Farming 51(5):40-41,80-82. May 1953. 6 Su12

65819 WESTERBERG, K. Let's do something about our hay. Stock & Dairy Farmer 40(10):3. Apr.1953. 6 N8195

65820 WIERTSEMA, P. Agricultural aspects of barn hay drying. (In Dutch.) Nieuwe Veldbode 19:557-559. Apr.9,1953. 12 V542N

65821 WILLIAMSON, W. F. Grain drying. Farmers Annu. 1953:37-40. 10 F2237

65822 WISE, L. N., and WELCH, G. B. Machines designed with the South in mind. South. Seedsman 16(5):16, 57,64,66. May 1953. 61.8 So8

Repair, Maintenance, and Construction Equipment

65823 ARKEMA, P. W. B. Agricultural equipment in the flooded areas. (In Dutch.) Stichting v. de Landb. Meded. 8:140-142. Apr.24,1952. 12 St5
Netherlands.

65824 BAKKER, P. W. Agricultural equipment in the flooded areas. (In Dutch.) Landbode 7:21. Apr.23, 1953. 12 L234
Netherlands.

65825 KHERDEKAR, D. N. Hints on the care, maintenance and repair of agricultural implements and machines. Indian Farming 3:14-15. Apr.1953. 22 In283

65826 MONTÈS, P. L'atelier de ferme, élément de la rentabilité du matériel agricole. Betteravier Franç. 7:4-5. Apr.1953. 66.8 B462

65827 SILVA, N. A. DA. Maintenance of agricultural implements. (In Portuguese.) Lav. e Criação 7(44):39-40. Nov.1952. 49 L392
Harrows.

Spraying and Dusting Equipment

65828 BLANCO, N., and BULANADI, J. A tractor mounted sprayer for your spraying jobs. Philippines. Bur. Plant Indus. Plant Indus. Digest 16(3):16-18. Mar.1953. 25 P544P
In the Philippines.

65829 BRANN, J. L., and GUNKEL, W. W. New mist concentrate sprayer for row crops. Farm Res. [N. Y. Sta.] 19(2):2-3. Apr.1953. 100 N48A

65830 BUCHMANN, W. Das Swingfog-gerät und seine bedeutung für die raumentwesung. Prakt. Schädlingsbekämpfer 4:130-131. Dec.1952. 421 P882

65831 FISHER, E. H. Let cattle spray themselves. Hoard's Dairyman 98:502. May 25,1953. 44.8 H65
Fly control.

65832 GARMAN, P. A study of spray machines in Connecticut orchards. Conn. (State) Agr. Expt. Sta. B. 567,34 p. Ref. Feb.1953. 100 C76St

65833 HALL, C. W. What spraying equipment do you need? Hoard's Dairyman 98:484-485. May 25,1953. 44.8 H65

65834 HARONSKA, G. Ein neues gerät zur schädlingsbekämpfung im weinbau? Gesunde Pflanzen 5:88-92. Apr.1953. 464.8 G33

65835 HURTIG, H. Development of the use of aircraft for the application of insecticides and fungicides. Agr. Inst. Rev. 8(2):73-74. Mar./Apr.1953. 7 Ag8

65836 KOCH, H. Die amtliche prüfung der pflanzenschutz- und vorratsschutzgeräte unter besonderer betrachtung der technischen prüfung. Nachrbl. des Deut. Pflanzenschutzdienstes 5:23-29. Feb.1953. 442.9 B832

65837 NOONE, J. A. They've put the air to work. Natl. Grange Mon. 50(5):14-15,28,45. May 1953. 6 N215
Insecticide application by aircraft.

65838 PATEL, G. A. Survey of hand operated spraying and dusting machines. Poona Agr. Col. Mag. 43:160-173. Nov.1952/Feb.1953. 22 P79

65839 PHILIPP, W. Gemeinschaftlicher maschinen-einsatz. Bad. Landwirt. Wchnbl. 120:393-394. Apr.25, 1953. 18 B142
Orchard spraying.

65840 UTAH. STATE AGRICULTURAL COLLEGE. EXTENSION SERV. Abstracts of material presented at Short Course on Aerial Spraying and Dusting. Logan, 1953. various pagings. 275.2 Ut1Ab

65841 VADÉ, S. De nouveaux appareils pour la lutte antiparasitaire. Vie a la Campagne 42:172-174. May 1953. 80 V67

65842 WOOTEN, O. B. Care and use of spray rig for more efficient operation. Miss. Farm Res. [Miss. Sta.] 16(5):6,8. May 1953. 100 M69Mi

Vehicles

65843 BERRY, J. H., and CALLUM, C. L. Speed fluctuation in multijoint power lines. Agr. Engin. 34:308-311. Ref. May 1953. 58.8 Ag83
In connection with power take-off.

65844 BJERNINGER, S., and PETTERSSON, A. Think about brakes for tractors. (In Swedish.) Lantmannen 36: 325-328. (Cont.) Apr.26,1952. 11 L234

65845 BLASCH, J. Den traktorbesitzern das wort! Österr. Landtech. 6:3-7. Jan.1953. 58.8 L236

65846 CARENA, A. New tests of the Diesel motor in a farm tractor. (In Italian.) Humus 2:28-31. Feb.1953. 16 H88

65847 COUTIAUX, P. Où en est le progrès technique du tracteur? Motorisation Agr. 8:163-164. Mar.1953. 58.8 M85

65848 DU PREEZ, J. L. Tractor misfortunes. (In Dutch.) Landbouweekblad 34(1758):27,31. Mar.25,1953. 24 L232

65849 FINKE, W. Welcher kipper ist der beste? Der zwei-seiten-kipper für die landwirtschaft. Traktor 4:83-84. Apr.1953. 58.8 T677

65850 FRANCE. SERV. DE LA DOCUMENTATION SUR LE MACHINISME AGRICOLE. Repartition des ventes de tracteurs agricoles en France au cours des 3 dernières années. France. Serv. de la Doc. sur le Mach. Agr. Étude 102,35 p. Apr.1953. 58.9 F842

65851 GLERUM, J. C. Our agricultural wagons. (In Dutch.) Nieuwe Veldbode 19:606. Apr.23,1953. 12 V542N
Netherlands.

65852 GOBBI, B. P. Tags on agricultural wagons. (In Italian.) Terra e Sole 128:132-133,137. Apr.1953. 16 T273
Italy.

65853 HINE, H. J. Make the best use of farm transport. Farmer & Stock-Breeder 67(3312):50-51. Apr. 14,1953. 10 F228
Trailers and trucks.

65854 HUISMAN, L. H. Price formation and prices of agricultural tractors. (In Dutch.) Nieuwe Veldbode 19: 604. Apr.23,1953. 12 V542N
Netherlands.

65855 JONSSON, E. Tractor steering gear and brakes. (In Swedish.) Lantmannen 37:376-378. Apr.18,1953. 11 L234

65856 KOENIG-FACHSENFELD, R., FREIHERR. Probleme um den triebanhänger. Deut. Landwirt.-Gesell. Mitt. 68:456. May 7,1953. 18 N39

65857 KOOLMAN, F. Tractor handling and wear. (In Dutch.) Nieuwe Veldbode 19:603-604. Apr.23,1953. 12 V542N

65858 KRASNOPOLSKI, A. Neue möglichkeiten zur kostensenkung für traktorenarbeiten. Deut. Agrartech. 3: 70. Mar.1953. 58.8 D482

65859 LACOMBE, R. Parc français des tracteurs agricoles. Prog. Agr. et Vitic., May 3/10,1953:276-278. 14 P94

65860 MEEDER, R. E. Tractor dealers can help you sell. Butane-Propane News 15(5):140-141. May 1953. 309.8 B97
Liquefied petroleum gas.

65861 MILLER, P. Power package. Ohio. State U. Agr. Student 59(4):5,18. Apr.1953. 6 Ag84
Increased compresssion in tractor engines.

65862 NOWACKI, T. Anhängegeräte für den schlepper Zetor 25 K. Deut. Agrartech. 3:81-82. Mar.1953. 58.8 D482

65863 PÖHLS, E., and RÄTHER, H. Leistungen und auslastungen des schleppers. Deut. Agrartech. 3:71-75. Mar.1953. 58.8 D482

65864 POZZI, E. Tractor O. M. 35/40 with wheels for the level land and tracks for the hills. (In Italian.) Macch. & Motori Agr. 11:393-401. Apr.1953. 58.8 M13

65865 PREUSCHEN, G. Der schlepper im weinbau. Traktor 4:87-88. Apr.1953. 58.8 T677

65866 PRINTZ, E. Die vollhydraulische parallelkupplung. Landtechnik 8:226-229. Apr.30,1953. 58.8 L235

65867 REICHELT, J. Lastanzeiger für traktoren. Deut. Agrartech. 3:91-92. Mar.1953. 58.8 D482

65868 SYLLING, J. A. The Blumentritt engine. Iron-Men Album Mag. 7(5):9-10. May/June 1953. 58.8 F2293

65869 TROENG, I. The climbing risk in tractor driving. (In Swedish.) Skogen [Stockholm] 40:91. May 1, 1953. 99.8 Sk51

65870 TWO MILLION gas buggy farmers. Farm Mangt. 2(6):76-79. May 1953. 281.8 F2225
Use of trucks by farmers.

65871 VARINI, F. A good new agricultural fuel. (In Italian.) Terra e Sole 128:125-128. Apr.1953. 16 T273
For tractors.

65872 WALKER, G. E. Aircraft and agriculture. Agr. Inst. Rev. 8(2):75-76. Mar./Apr.1953. 7 Ag8
Canada.

65873 WICKSTRÖM, G. The tractor in connection with the spring tillage. (In Swedish.) Lantm. och Andelsfolk 26:82-83. Mar.31,1953. 20 L29
Care.

FARM STRUCTURES AND RURAL HOUSING

65874 BERGER, F. Landwirtschaftliches bauen in Schweden. Österr. Landtech. 5:343-345. Dec.1952. 58.8 L236

65875 BURGENER, M. L., and CARTER, D. G. Durability of paints on weathered galvanized roofing. Ill. Agr. Expt. Sta. B. 565,16 p. Mar.1953. 100 IL6S

65876 DAVIS, C. P. Possible farm applications of the heat pump. Agr. Engin. 34:323-325,331. Ref. May 1953. 58.8 Ag83
Chiefly for air conditioning.

65877 FEHLE, U. Billiger und arbeitsparend bauen! Österr. Landtech. 5:333-334. Dec.1952. 58.8 L236

65878 MCKENDREE, W. F. Aluminum roofing saves money. East. States Coop. 29(5):8-9. May 1953. 280.28 Ea7
For farm buildings.

65879 ROBERGE, L. Un coup de pinceau par-ci, par-là. B. des Agr. 35(4):16,106. Apr.1953. 7 B872

65880 VITAL, N. Können landwirtschaftliche bauten billiger und betrieblich rationeller gestaltet werden? Schweiz. Landwirt. Monatsh. 31:129-161. Apr.1953. 17 Sch93

65881 WALTON, H. V. Metallic zinc paint protects metal roofing. East. States Coop. 29(5):13. May 1953. 280.28 Ea7

Animal Shelters and Animal Service Buildings

65882 ARBUCKLE, J. Useful cattle feeding stalls. Queensland Agr. J. 76:57-61. Jan.1953. 23 Q33

65883 BERGMANN, F. Baukostenvergleich massivstall—schuppenstall. Deut. Landwirt. 4:182-186. Apr. 1953. 18 D4822
Designs.

65884 BOND, K. I. Pig housing—notes on warmth. Hearth & Farm 7:216-218. Spring 1953. 10 B47

65885 DENMARK. LANDØKONOMISKE DRIFTSBUR. Undersøgelser over landbrugets driftsforhold; periodiske beretninger, VII. Svinestalde og foderforbrug; resultater af en surveyundersøgelse over svineholdet i dansk landbrug i vinteren 1951-52 [Farm management investigations; periodic reports, VII. Pigpens and feed consumption; result of a survey of hog raising in Danish agriculture in the winter 1951-52]. København,1952. 21 p. 11 D414P

65886 ENGENE, S. A., and SHUTE, J. A. Loose housing saves labor. Minn. Farm & Home Sci. [Minn. Sta.] 10 (3):17-19. May 1953. 100 M668
Cattle.

65887 GILMAN, W. New barn reaches Vermont. New Eng. Homestead 126(10):6-7,13. May 23,1953. 6 N442

65888 GUILD, J. D. New type of barn makes feeding easy. Family Herald & Wk. Star 84(20):4. May 14,1953. 7 F21

65889 HEMMEN. Wie soll ein hühnerstall aussehen? Landwirtbl. Weser-Ems 100:438-440. Apr.16,1953. 18 L2345
Designs.

65890 HOFSTAD, A. Ventilation of service buildings. (In Norwegian.) Landbrukstidende 59:348-353. May 6, 1953. 11 L236

65891 MALLGRAF, A. Die pflege der stallanlage. Deut. Kleintier-Züchter 8(7):3-4. Apr.5,1953. 49 D483
For rabbits.

65892 MILLER, J. R. Beat that heat; try these first aid suggestions for keeping chickens cool when hot weather strikes. Poultry Tribune 59(6):8,22-23. June 1953. 47.8 P8642
Chiefly housing.

65893 MOSELEY, A. H. The building requirements of the Milk and Dairies Regulations 1949. Soc. Dairy Technol. J. 6:130-133. Apr.1953. 44.8 So12
For milk houses and rooms in Great Britain.
Discussion, p. 135.

65894 NEW ZEALAND. DEPT. OF AGRICULTURE. LIVESTOCK DIV. Building and fitting out a laying house for household poultry. N. Z. Poultry World 16:73-75. Mar.1953. 47.8 N11

65895 NIELSEN, A. B. Are the production requirements in the barns in order. (In Danish.) Dansk Landbr. 72:192-194. Apr.16,1953. 280.28 V91
Chiefly on ventilation.

65896 OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Oklahoma farm fitted poultry range shelter. Okla. Agr. Expt. Sta. Plan 18,8 p.-folder. Apr.1953. 296.9 Ok4

65897 POLLARD, W. S. Evolution of housing. Ark. Poultry Impr. Assoc. Ybk. 1953:54-55. 47.9 Ar4

65898 POLLARD, W. S. Housing trends. Ark. Poultry Impr. Assoc. Ybk. 1952:56-57. 47.9 Ar4

65899 SALTER, R. G. Building requirements for quality milk production. Soc. Dairy Technol. J. 6:133-135. Apr.1953. 44.8 So12
Great Britain.
Includes discussion.

65900 SMITH, H. D. Houses—wide or narrow? Broiler Growing 4(5):11,59. May 1953. 47.8 B782

65901 STIETENROTH, K. Gesündere ställe sind notwendig. Württemb. Wchnbl. f. Landwirt. 120:448-449. Apr.25,1953. 18 W96
Heating and ventilation.

65902 VINTHIÉRE, A. Une vraie vie de chateau, pour des poules! Vie à la Campagne 42:23,26. Jan.1953. 80 V67

65903 WALTHER, Der frischluft- oder freilandstall. Tierzüchter 5:189-190. Apr.20,1953. 49 T445
For cattle.

65904 ZEILER, K., and LOHNER, J. Erfahrungen mit der melkschleuse im weidebetrieb. Süddeut. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 2:27-32. 1951/52. 44.9 W42

65905 ZIESKE, R. Nerzfarmen zwischen gestern und morgen. Deut. Pelztierzüchter 27:62-67. Apr.25,1953. 412.628 D48
Chiefly housing.

Farmhouses and Farmsteads

65906 CULLEN, A. Rural housing in Inverness-shire. Scot. Agr. 32:195-199. Spring 1953. 10 Sco82So

65907 FENDEL, J. Vollwertige wohnungen für unsere landarbeiter. Deut. Landwirt.-Gesell. Mitt. 16: 432-433. Apr.30,1953. 18 N39

65908 HALL, G. A farmhouse that grows. Poultry Tribune 59(5):12,22. May 1953. 47.8 P8642

65909 NOYES, H. Planning your workroom. Wash. State Col. Ext. B. 320,rev.,14 p. Mar.1953. 275.29 W27P
A farm home laundry room.

65910 SOREMBE, J. Gebäudeerhaltung und -pflege. Tierzüchter 5:195-196. Apr.20,1953. 49 T445
Farm houses.

65911 U. S. FARMERS' HOME ADMIN. Farm housing; completed farm development, inception through June 30, 1952. Washington,1953. 5 p. 1.949 F2244
Statistics.

Greenhouses and Plant Service Buildings

65912 CHIBA, T. Insolation permeability of the oil paper of hot-bed. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:136-141. Feb.1953. 107.6 H68
English summary.
Rice.

65913 CORBETT, W., and GLOYNE, G. M. Tests in low voltage soil warming. Grower [London] 39:885. May 2,1953. 286.83 M34

65914 DARBY, B. T. New door to knowledge, Stockbridge Experimental Station. Farmer & Stock-Breeder 67(3314):53. Apr.28,1953. 10 F228
Structure of mobile greenhouse for vegetables.

65915 GELOSO, A. Hot beds for three different jobs. Grower [London] 39:925. May 9,1953. 286.83 M34
Great Britain.

65916 HOARE, E. R. Experiments in heating and lighting. Grower [London] 39:780-781. Apr.18,1953. 286.83 M34
Greenhouses.

65917 HOARE, E. R. Four test houses in wood, one in aluminium. Grower [London] 39:877,879. May 2, 1953. 286.83 M34
Greenhouses.

65918 HOARE, E. R. A glasshouse built for rapid control. Grower [London] 39:829,831. Apr.25,1953. 286.83 M34

65919 HOARE, E. R. Virtues and faults of hot-water heating systems. Grower [London] 39:931,933,935. May 9,1953. 286.83 M34
For greenhouses.

65920 KALLAUCH, W. Eine wirtschaftliche ölheizung fürs gewächshaus. Tech. f. Bauern u. Gärt. Ausg. G 5: 129-130. Mar.25,1953. 58.8 T223G

65921 KUNTZ, P. Make a basement greenhouse. Gloxinian 2(5):14-15. Mar./Apr.1953. 96.06 G51

65922 MASON, C. Let's build that lath house today. Camellia Rev. 14(7):4-5,18-20. Apr.1953. 97.31 So82

65923 MÖHRING, H. K. Die verschmutzung unserer gewächshausgläser. Tech. f. Bauern u. Gärt. Ausg. G 5: 131. Mar.25,1953. 58.8 T223G

65924 SHEWELL-COOPER, W. E. Dutch lights. Estate Mag. 53:198-200. May 1953. 10 Es8
Great Britain.

65925 ZANDER, R. VAN D. Agricultural industries fair and horticulture under glass. (In Dutch.) Boer en Tuinder 7(323):17. Apr.25,1953. 12 B632

Materials and Methods

65926 HEIMANN, H. Report on the deterioration of corrugated aluminium sheets used in poultry houses. (In Hebrew.) Hassadeh 33:313-314. Feb./Mar.1953. 26 H27

65927 SMITHWICK, S. C. Building with blocks. Calif. Grange News 21(51,sect.2):3-4,10. Apr.5,1953. 6 C128
Concrete blocks.

Storage Structures

65928 ALLEN, J. C. How to build a trench silo. Country Gent. 123(5):102. May 1953. 6 C833

65929 AYALON, Z. Straw containers for silage. (In Hebrew.) Hassadeh 33:328-329. Feb./Mar.1953. 26 H27

65930 BALLANTYNE, J. G. Bricklaying with baled hay. Power Farmer 10:169-170. May 1953. 58.8 P872

65931 BANTING, A. Can you afford a silo? Macdonald Farm J. 13(7):7-8. Mar.1953. 101 M144
Types.

65932 BRANNAKA, H. E. Trench silos. Pa. State Col. Agr. Ext. Spec. C. 7,13 p. Mar.1953. 275.29 P382Sp

65933 BURTON, W. Self-feeding trench silo. Prog. Farmer, Tex. Ed. 68(5):21,175. May 1953. 6 T311

65934 DEFOREST, S. S. Build yourself a trench silo. Successful Farming 51(5):142,144. May 1953. 6 Su12

65935 DIETZEL, and KUPPER. Gärfutterbehälterbau im wandel der zeiten. Landwirt. Z. der Nord-Rheinprov. 120:566-567. May 9,1953. 18 L2344

65936 FEHLE, U. Der einraumstall spart baukosten und arbeit. Österr. Landtech. 6:7-8. Jan.1953. 58.8 L236

65937 HARDT-STREMAYR, W. Gedanken um den silo. Kärntner Bauer 103:200. May 1,1953. 19 K14

65938 HUBER, M. G., and EWALT, H. P. Making trench and stack silage. Oreg. State Col. Ext. C. 552,4 p. Mar.1953. 290.9 Or33C
Includes designs and specifications for trench and pole frame silos.

65939 KLOEPPEL, R. Ein kartoffelhaus, wei es sein soll? Tech. f. Bauern u. Gärt. Ausg. A 5:182-184. Apr. 25,1953. 58.8 T223
With comment by H. G. Reismann.

65940 KOLL, F., and STEPHAN, F. Eingebaute obstlagerkeller. Bauer 6(15):12-13. Apr.11,1953. 19 B32
Contains floor plans for a farm storage structure.

65941 KOLL, F., and STEPHAN, F. Umbau zu obstlagerkellern. Bauer 6(18):12-14. May 2,1953. 19 B32
Layouts and designs.

65942 NORDBØ, H. Silos for silage. (In Norwegian.) Samvirke [Oslo] 48:282-286. May 1,1953. 280.28 Sa4

65943 NYSTROM, B. Farm storage building for grain. (In Swedish.) Lantmannen 37:378-381. Apr.18,1953. 11 L234

65944 SACCO, P. The forage problem on non-irrigated lands. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statis. 6:9-14. Jan.1953. 280.9 M587B
Use of silos in Italy.

65945 SALISBURY, G. Is your grain bin leaking dollars? Capper's Farmer 64(6):18-19. June 1953. 6 M693

Walls and Fences

65946 BORG, J. Fence problems. (In Swedish.) Beten-Vallar-Mossar 5:39-41. Apr.1953. 11 B46

65947 GT. BRIT. MINISTRY OF AGRICULTURE AND FISHERIES. Electric fencing. Gt. Brit. Min. Agr. & Fisheries. B. 147,ed.2,30 p. Feb.1953. 10 G794B

65948 KAY, R. P. Fence to last. La. Agr. Col. Ext. P. 1120,16 p. Nov.1952. 275.29 L93Ep

65949 KRIEBEL, M. Welches ist das beste elektrozaungerät? Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:776-777. May 7,1953. 18 L2346

65950 MAHR, T. Vorsicht! Elektrozaun! Allgäuer Bauernbl. 21:234-236. Apr.9,1953. 18 AL53

65951 NEELY, O. O., and MELLINGER, R. Woodlot fencing. W. Va. Conserv. 17(2):18-19. Apr.1953. 279.8 W524

65952 NEETZEL, J. R. Building better farm fences. Minn. U. Agr. Ext. B. 272,12 p. Mar.1953. 275.29 M66S

65953 SCHNEIDER, V. Quick, easy-to-move, temporary fences. Successful Farming 51(5):46-47,84. May 1953. 6 Su12

65954 STERN, E. G. "Fence riders" may soon be history. Breeder-Stockman 14(12):13,88-89. May 1953. 49 V81
On staples.

FARM UTILITIES

Electricity and Electrification

65955 NORTH CAROLINA. RURAL ELECTRIFICATION AUTHORITY. Directory of electric agencies serving rural North Carolina. Raleigh,1952. 47 p. 225 N8173

65956 NORTHEAST AREA INTERIM FIELD CONFERENCE. Report. Washington,U. S. Rur. Elect. Admin., 1953. 15 p. 1.933 R2924

65957 POTAMKIN, L. The rural electrification program and the courts. Rur. Electrif. Mag. 8:32,64. May 1953. 335.8 N21

65958 PRINGLE, H. S. Electrification changed the face of agriculture. Agr. Engin. 34:330-331. May 1953. 58.8 Ag83

65959 SANDIFORD, K. Electricity on the farm. Rev. Internatl. Coop. 46:79-83. Apr.1953. 280.28 In8B

65960 TURNER, C. N. Emergency equipment for electric power failures. N. Y. Agr. Col. Cornell Ext. B. 879,16 p. May 1953. 275.29 N48E

65961 U. S. RURAL ELECTRIFICATION ADMIN. Status report; overvoltages on 14.4/24.9 kv systems. Washington,1953. 4 p. 1.933 St222
Protecting equipment from lightning.

65962 U. S. RURAL ELECTRIFICATION ADMIN. Texas 85 Wise; field appraisal analysis. Washington, 1953. 11 p. 1.933 T312
Wise Electric Cooperative, inc.

Heating, Lighting, and Radiation

65963 BLACK, S. Good home lighting. Pa. State Col. Agr. Ext. Spec. C. 6,20 p. Feb.1953. 275.29 P382Sp

65964 CLANDININ, D. R., and ROBBLEE, A. R. Radiant heating. I. A radiant heated poultry farm. Poultry Sci. 32:436-443. May 1953. 47.8 Am33P

65965 GULVIN, H. E. Building an outdoor fireplace. R. I. State Col. Ext. Mimeog. C. 78,4 p. May 1952. 275.29 R34M

65966 NAKAYAMA, H., and SUZUKI, H. A survey of fuel used by farmers in Mikuri Village, Iwata County, Shizuoka Prefecture. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:146-155. 1952. 107.6 Iw92
English summary.

65967 WAKEFORD, P. Good work follows good lighting. Farmer & Stock-Breeder 67(3313):53,55. Apr.21, 1953. 10 F228
In dairy and cowshed in Great Britain.

65968 WATERS, L. L. What's ahead for LPG? Butane-Propane News 15(5):142-149. May 1953. 309.8 B97
Includes use on the farm.

Power Plants, Motors and Engines on the Farm

65969 NADAL, J. La motorización de la agricultura. II. Ceres [Valladolid] 18(202):33,35. Apr.1953. 15 C33

65970 SCHEEL, W. S. Ölalterung im motorenbetrieb und damit verbundene gefahren. Deut. Agrartech. 3:95-96. Mar.1953. 58.8 D482

Telephones

65971 GILBRIDE, F. J. Community initiative plus farmer ingenuity built this system. Telephony 144(19): 18-19. May 9,1953. 335.8 T23

Water Supply

65972 ANGSTER, H. C. A well-planned electric water system; the key to better living. New Eng. Homestead 126(9):6,32. May 9,1953. 6 N442
On the farm.

65973 MCFATE, K. L. Good dairying requires lots of water. Hoard's Dairyman 98:482-483. May 25,1953. 44.8 H65

65974 MANN, D. Do you have enough water! Kans. Farmer 90(9):4,12-13. May 2,1953. 6 K13

65975 PETIT, and LANCKER, VAN. L'approvisionnement en eau potable à la ferme. Belg. Lait. 7(30):9-10. (Concl.) Mar.1953. 44.8 B412

65976 RIFAAT, I. Artesian wells in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:411-419. Apr./June 1953. 22.5 Ir1
English summary, p. 11.

65977 SWINK, E. T. Water for the farm. South. Planter 114(5):8,42-43. May 1953. 6 So89

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

GENERAL

65978 BLIVEN, B. Preview for tomorrow; the unfinished business of science. New York,Knopf,1953. 347 p. 330 B613P
Includes food supply.

65979 BORN, L. New factors in food financing. West. Canner & Packer 45(5):18,20. May 1,1953. 286.83 W522
Situation and outlook in the food industry.

65980 CASTELLANO, P. El problema mundial de la escases de alimentos. Confed. de Cám. Nac. de Com. Carta Semanal 18(825):11. May 2,1953. 286.8 C76

65981 CHEN. Y. The financial and food situation. In China Committee for the Promotion of International Trade. New China's economic achievements, p.47-60. Peking,1952. 280.184 C445

65982 CLARK, C. People and food. Commonweal 58:171-173. May 22,1953. 280.8 C735

65983 THE FOOD position in Madras. East. Econ. 18:929-930. June 13,1952. 280.8 Ea72

65984 LEBERT, H. The supplies of agricultural products in 1952. (In Swedish.) Jordbrekon. Meddel. 15: 101-113. Mar.1953. 257.3 J76
English summary, p. 100.

65985 LE-VAN-TU. Le ravitaillement en denrées alimentaires de la Préfecture de Saigon-Cholon. Viêt-Nam Kinh-Tế Tập-San 3:273-280. June 1952. 280.8 V672

65986 MCCARTHY, G. P. They're closley interwoven: the human food industry and the livestock feed industry. Future Farmer 10:7,17,19. May/June 1953. 4 F983

65987 ROST, C. O. Can we feed our growing population? Prog. Res. 7(3):6-9. Spring 1953. 470 P943

65988 SNELL, F. D., and SNELL, C. T. Chemicals of commerce. Ed. 2. New York,Van Nostrand,1952. 631 p. 388 Sn2
Includes agricultural products.

ANALYSIS AND COMPOSITION

65989 BERTARELLI, E. The mineral content of foods and the importance of so-called microelements. (In Italian.) Alimentazione 3(3):45-46. Mar.1953. 389.8 AL45

65990 BRADLEY, R. A. Some statistical methods in taste testing and quality evaluation. Biometrics 9:22-38. Ref. Mar.1953. 442.8 B5224

65991 BRITISH FOOD MANUFACTURING INDUSTRIES RESEARCH ASSOCIATION. pH meters. Brit. Food Mfg. Indus. Res. Assoc. Tech. C. 40,4 p. Dec.1952. 389.9 B773T

65992 CASARES. Die lebensmittelchemie in Spanien. (Abs.) Angew. Chem. 65:165. Mar.21,1953. 384 Z33

65993 CASARES, R. Die lebensmittelchemie in Spanien. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:271-272. Apr.1953. 384 Z39

65994 CAUL, J. F., and RANZENBERGER, W. A. A study of pilot consumer tests of sucrose vs. dextrose monohydrate in commercially baked white breads. (Abs.) Food Technol. 7(5,sup.):14. May 1953. 389.8 F7398

65995 CREMER. H. D. Die physiologische bedeutung der chemischen behandlung von nahrungsmitteln. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:188-198. Ref. Mar.1953. 384 Z39

65996 DEIBNER, L., and BENARD, P. Recherches sur la séparation quantitative, à l'aide d'un nouvel appareil distillatoire, de l'anhydride sulfureux contenu dans les liquides organiques, et sur les conditions de sa stabilité dans les distillats. Indus. Agr. et Aliment. 70: 187-195. (Cont.) Ref. Mar.1953. 383 As7
English summary.

65997 EISENBRAND, J. Neuere messtechnik bei fluorescenzuntersuchungen und ihre anwendung in der lebensmittelchemie. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:268. Apr.1953. 384 Z39

65998 FABIAN, F. W., and GRAHAM, H. T. Viability of thermophilic bacteria in the presence of varying concentrations of acids, sodium chloride and sugars. Food Technol. 7:212-217. Ref. May 1953. 389.8 F7398

65999 FOSTER, D. Approaches to the panel study of foods and the need for standardization. (Abs.) Food Technol. 7(5,sup.):14. May 1953. 389.8 F7398
Tests.

66000 GESELLSCHAFT DEUTSCHER CHEMIKER. FACHGRUPPE LEBENSMITTELCHEMIE. Fünfte arbeitstagung der Südwestdeutschen Arbeitsgemeinschaft in Weinheim a. d. Bergstrasse am 31. Oktober 1952. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:270-276. Apr.1953. 384 Z39

66001 GESELLSCHAFT DEUTSCHER CHEMIKER. FACHGRUPPE LEBENSMITTELCHEMIE. Tagung des Arbeitskreises Nordrhein-Westfalen, Gelsenkirchen am 24. Oktober 1952. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:268-270. Apr.1953. 384 Z39

66002 GOULD, W. A. Consistency in processed foods. Food Packer 34(5):32,50-51. May 1953. 286.83 C165
Testing equipment.

66003 GRUNE, A. Die papierchromatographie und ihre anwendungsmöglichkeiten in der lebensmittelchemie. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 95:268-269. Apr.1953. 384 Z39

66004 GUNTHER, F. A., and BLINN, R. C. Pesticide residues; basic principles for quantitative determination. J. Agr. & Food Chem. 1:325-330. Ref. May 13,1953. 381 J8223
In plants and soils.

66005 HADORN, H., JUNGKUNZ, R., and BIEFER, K. W. Über die stickstoffbestimmung in lebensmitteln nach Kjeldahl und den einfluss des katalysators im besondern. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 44:14-29. Ref. 1953. 389.9 Sw6
English summary.

66006 HINREINER, E. A plea for standardization of organoleptic test methods. (Abs.) Food Technol. 7(5, sup.):15. May 1953. 389.8 F7398

66007 ILLIES, R. Uber stärkesirup. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:269-270. Apr. 1953. 384 Z39

66008 KAPLAN, A. M., and REYNOLDS, H. Determination of the lethality of baking and cooking procedures for the destruction of food contaminating microorganisms. (Abs.) Food Technol. 7(5,sup.):24. May 1953. 389.8 F7398

66009 LABAW, G. D., and DESROSIER, N. W. Influence of plant hormones on heat resistant bacterial spores. (Abs.) Food Technol. 7(5,sup.):24. May 1953. 389.8 F7398

66010 LAUE, E. A., ZLOBIK, E. T., and ISHLER, N. H. Reliability of taste testing and consumer testing methods. (Abs.) Food Technol. 7(5,sup.):14. May 1953. 389.8 F7398

66011 LETZIG, E. Die äthoxose und ihr nachweis. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:178-188. Mar.1953. 384 Z39
A new water-soluble binder and thickener used in food processing.

66012 LINDLEY, H. Recent advances in our knowledge of protein structure. Roy. Austral. Chem. Inst. Proc. 20:26-28. Feb.1953. 385 Au72

66013 MASON, D. D., and KOCH, E. J. Some problems in the design and statistical analysis of taste tests. Biometrics 9:39-46. Mar.1953. 442.8 B5224

66014 MITCHELL, J. H. Some analytical problems in food stability research. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 5:44-48. First Q.1953. 389.9 As74A

66015 NEUBAUER, E. Lebensmittelchemiker, öffentliche laboratorien und betriebsaufsicht im zusammenwirken mit den zuständigen untersuchungsämtern. (Abs.) Angew. Chem. 65:166. Mar.21,1953. 384 Z33

66016 NEUBAUER, E. Lebensmittelchemiker, öffentliche laboratorien und betriebsaufsicht im zusammenwirken mit den zuständigen untersuchungsämtern. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:273-274. Apr.1953. 384 Z39

66017 PETRONICI, C., and SAFINA, G. Technique of chromatographic analysis with particular application to determination, on paper, of amino acids and simple sugars. (In Italian.) Conserve e Derivati Agrumari 2(5): 3-11. Ref. Jan./Mar.1953. 389.8 C7622

66018 PFLUG, I. J., and ESSELEN, W. B. Observations on the thermal resistance of putrefactive anaerobe No. 3679 spores in the temperature range of 250° to 300° F. (Abs.) Food Technol. 7(5,sup.):24. May 1953. 389.8 F7398

66019 RAMSTAD, P. E., and VOLZ, F. E. Did it thaw? Gel will tell. In Food Engineering. 111 tested methods of handling everyday food plant problems, p.121-123. New York,McGraw-Hill,1952? 389 F733Q
Frozen foods.

66020 REED, J. M., and MORGAN, B. H. Resistance of bacterial spores to gamma irradiation. (Abs.) Food Technol. 7(5,sup.):27. May 1953. 389.8 F7398
In canned foods.

66021 SCHWARTZ, J. H., and WRIGLEY, A. N. Allyl starch emulsions; improvement in preparation and properties. U. S. Bur. Agr. & Indus. Chem. AIC-351,5 p. Mar.1953. 1.932 A2Ag82

66022 SHERMAN, H. C. Chemistry of food and nutrition. Ed. 8. New York,Macmillan,1952. 721 p. Ref. 389.1 Sh5C

66023 SØRLIE, G. Surface treatment of food cans as a preliminary to bacteriological testing of the content. (In Norwegian.) Nord. Vetmed. 5(4,sup.):63-69. Apr.1953. 41.8 N813

66024 SULSER, H., and HOGL, O. Quantitative papierchromatographie mit dem spektrallinien-photometer; anwendung der papierchromatographie auf lebensmittelchemische probleme. 4. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 44:79-123. Ref. 1953. 389.9 Sw6
English summary.

66025 SUTRA, R. L'amidon, ses esters et les amylases; leurs aspects après le IXe Congrès International des Industries Agricoles. Indus. Agr. et Aliment. 70:295-296. Apr.1953. 383 As7
English summary.

66026 WETZEL, W. Methode zur bestimmung von glutaminsäure in proteinhydrolysaten durch chromatographie an anionotropem aluminiumoxyd. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:237-244. Apr. 1953. 384 Z39

66027 WHELAN, W. J. The enzymic breakdown of starch. (Sum.) Biochem. J. 54:1. Apr.1953. 382 B52

CONSUMPTION AND UTILIZATION

66028 BRADLEY, J. R. Out-of-state purchases of selected food and kindred products by Texas organizations, 1951. Tex. Engin. Expt. Sta. Res. Rpt. 42,7 p. Mar.1953. 290.9 T31R

66029 BRYAN, L. L. There may be a fortune on your farm; unlimited future for by-products. Sacramento Val. Rancher 7(5):6,21,31-32. May 1953. 6 Sa12

66030 BURRELL, J. H. Putting the bits together. Chemurg. Digest 12(4):14. Apr.1953. 381 N213Na
Chemurgy.

66031 KELLEY, M. J. Television for the consumer. Educ. Air 22:306-308. 1952. 275.9 In72
Consumer education.

66032 LLOYD, E. M. H. Food and money: some reflections on changes in food consumption and farm prices. Agr. Econ. Soc. J. Proc. 10:174-191. Feb.1953. 281.9 Ag8
Great Britain.
Includes discussion.

66033 MILNER, R. T. Recent progress at BAIC regional research laboratories. Chemurg. Digest 12(4): 17-20. Apr.1953. 381 N213Na

66034 PILGRIM, F. J. Acceptance problems—a summary of the recent QMFCI conference. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 5:28-32. First Q.1953. 389.9 As74A

66035 STEIGER, E. Zur lebenshaltung der familie in der Schweiz. Schweiz. Z. f. Volkswirt. u. Statis. 89:46-68. Ref. Feb.1953. 280.8 Z3
Contains data on food consumption.

66036 TAGGART, M. F. The story of chemurgy. Chemurg. Digest 12(4):7-8. Apr.1953. 381 N213Na

DISTRIBUTION, MARKETING, AND TRANSPORTATION

66037 ASZLING, R. A. Public information programs. In Manufacturing Chemists' Association of the U. S. Inter-industry chemicals in foods conference, p.59-62. Chicago, 1952. 389.9 M312

66038 CERCLER, R. Le circuit de distribution des produits agricoles et le problème des gares-marchés. Acad. d'Agr. de France. Compt. Rend. 39:252-255. Feb.25/Mar.4,1953. 14 P215Bc

66039 COKE, J. E. How food distributors benefit from USDA Marketing Educational Program. Washington, U. S. D. A. Off. Sec.,1953. 7 p. 1.91 A2C66
Talk at the meeting of the Agricultural and Forestry Committee of the New England Council, Boston, Mass., May 6, 1953.

66040 DREYMULLER, K. Zur auslegung der frankfurter bedingungen. Schiedsspruch, 2:5-6. In Ernährungsdienst 8(44). Apr.18,1953. 389.8 Er62
Germany.

66041 FARMING without boards. Economist [London] 167:280-282. May 2,1953. 286.8 Ec7
Marketing schemes.

66042 HUSSEY, F. W. Improved marketing urgently needed. Natl. Council Farmer Coop. Blue Book 20:1-2. 1953. 280.29 N21

66043 JANVRY, J. C. DE. Le transport par avion des denrées agricoles. Sol 72:407-410. 1952. 14 So4

66044 KRONE, H. Absatzwerbung in der landwirtschaft. Ausbild. u. Beratung in der Landwirt. 6:72-73. Apr.1953. 18 N11
Germany.

66045 LOGUE, P. Trade association sponsored public information programs. In Manufacturing Chemists' Association of the U. S. Inter-industry chemicals in foods conference, p.63-64. Chicago,1952. 389.9 M312

66046 MIGEON, G. Les véhicules routiers de transport des denrées périssables sous le régime du froid. Rev. Prat. du Froid 8(7):46-48. Apr.1953. 295.8 R323

66047 MORRIS, E. L. Meeting the distribution challenge of frozen foods. Quick Frozen Foods 15(9):73-75,170,172. Apr.1953. 389.8 Q4

66048 MORTENSEN, G. Street sale of easily spoilt food. (In Danish.) Nord. Vetmed. 5(4,sup.):26-41. Apr. 1953. 41.8 N813

66049 NEW YORK. TEMPORARY COMMISSION ON AGRICULTURE. Report 1951-52. Albany,1952. 48 p. (Legislative Document (1952) 56) 281.9 N482
Data and recommendations on regulations and practices in handling fruit and vegetables, livestock auctions, and town highway improvement.

66050 PUERTO RICO. BUR. OF AGRICULTURAL ECONOMICS. Informe de ventas de productos del país, mercado de Ponce, año fiscal 1950-51. San Juan?1952? unpaged. 284.39 P964I
Agricultural products.

66051 PUERTO RICO. BUR. OF AGRICULTURAL ECONOMICS. Informe de ventas de productos del país, mercado de Rio Piedras, año fiscal 1950-51. San Juan? 1952? unpaged. 284.39 P964Ir
Agricultural products.

66052 PUERTO RICO. BUR. OF AGRICULTURAL ECONOMICS. Informe de ventas de productos del país, mercado de Santurce, año fiscal 1950-51. San Juan?1952? unpaged. 284.39 P964Is
Agricultural products.

66053 REDIT, W. H. Application method biggest refrigerated truck drawback. Quick Frozen Foods 15(9): 157-158,160. Apr.1953. 389.8 Q4

66054 REDIT, W. H. Refrigerated truck transport problems. Refrig. Engin. 61:514-518. May 1953. 295.9 Am32J

66055 RUNGE, F. Warum immer so amtlich? Landwirt. Z. der Nord-Rheinprov. 120:501. Apr.25,1953. 18 L2344
Market regulation.

66056 SAVILLE, G. Transport and the food industry. IV. Food Mfr. 28:188-189. May 1,1953. 389.8 F736
Great Britain.

66057 THURGOOD, R. F. The economic aspect of transport and handling with reference to marketing perishable farm produce. Johannesburg,1952. 15 p. 280.3 T422

66058 TRIP-leasing & ton-mile taxes; truckers say farmers have a real big stake in these two transportation issues. Farm Mangt. 2(6):35-36. May 1953. 281.8 F2225

66059 U. S. COMMODITY EXCHANGE AUTHORITY. Commodity futures statistics, July 1951-June 1952. U. S. D. A. Statis. B. 124,62 p. 1953. 1 Ag84St

66060 WATTS, G. S. Sell the sizzle. Pa. Farmer 148:405. Apr.25,1953. 6 F383
Roadside marketing.

66061 WESTERN EXTENSION MARKETING CONFERENCE, LOGAN, UTAH. Report of the Western Extension Marketing Conference, September 29 through October 3, 1952. Washington,1953. 120 p. 1.913 C3W523

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

66062 BARTENSTEIN, F. The Miller Bill. In Manufacturing Chemists' Association of the U. S. Inter-industry chemicals in foods conference, p.68-69. Chicago, 1952. 389.9 M312

66063 BELL, SIR W. J. Bell's sale of food and drugs; supplement to the 12th ed. London,Butterworth,1952. 115 p. 389.55 G79B

66064 BERGNER, K. G. Ein neuerlicher fall einer trikresylphosphatvergiftung. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:272. Apr.1953. 384 Z39

66065 CHAMPLIN, L. It's all a matter of kinaesthetics. Prog. Res. 7(3):15-17. Spring 1953. 470 P943
Food flavor and appearance.

66066 CHARLES, V. R., and VAN DUYNE, F. O. Effect of freezing and freezer storage upon quality of baked rolls, brown-and-serve rolls, and shaped roll dough. Food Technol. 7:208-211. Ref. May 1953. 389.8 F7398

66067 CRAWFORD, C. W. The Food and Drug Administration's viewpoint on chemicals in food. In Manufacturing Chemists' Association of the U. S. Inter-industry chemicals in foods conference, p.36-46. Chicago, 1952. 389.9 M312

66068 DESROSIER, N. W. Color grading foods with the Purdue color ratio meter. (Abs.) Food Technol. 7 (5,sup.):13. May 1953. 389.8 F7398

66069 FINCKE, H. Amtliche lebensmittelüberwachung und ernährungsindustrie. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:269. Apr.1953. 384 Z39
Germany.

66070 FOULGER, J. H. Chemicals and health. In Manufacturing Chemists' Association of the U. S. Inter-industry chemicals in foods conference, p.30-35. Chicago, 1952. 389.9 M312

66071 GARNATZ, G. Trends in food quality. In Manufacturing Chemists' Association of the U. S. Inter-industry chemicals in foods conference, p.11-19. Chicago, 1952. 389.9 M312

66072 GOODRICH, W. W. Enforcement and judicial progress in 1952. Food Drug Cosmetic Law J. 8:213-226. Apr.1953. 389.58 F732

66073 HAMPTON, J. F. Catering establishments and the prevention of food poisoning. London,Heinemann, 1952. 192 p. Ref. 389 H183
Contains chapters on meat quality and refrigeration and storage.

66074 HAND, D. B. Progress report on the work of the Food Protection Committee. (Abs.) Food Technol. 7(5,sup.):15-16. May 1953. 389.8 F7398
Addition of chemicals to foods.

66075 HARVEY, J. L. Enforcement developments. Food Drug Cosmetic Law J. 8:317-326. May 1953. 389.58 F732

66076 HASSELSTROM, T., and others. The sensory panel as an aid in flavor chemistry. (Abs.) Food Technol. 7(5,sup.):14. May 1953. 389.8 F7398
E. J. Hewitt, K. S. Konigsbacher, and W. H. Danker, joint authors.

66077 HINTON, C. L. Amended food regulations of New South Wales. Brit. Food Mfg. Indus. Res. Assoc. Tech. C. 41,3 p. Dec.1952. 389.9 B773T

66078 HINTON, C. L. Food regulations in Brazil. Brit. Food Mfg. Indus. Res. Assoc. Tech. C. 39,4 p. Dec.1952. 389.9 B773T

66079 HOLBERT, G. E. Losses occurring in foods, and what is being done about them. (Abs.) Food Technol. 7(5,sup.):16. May 1953. 389.8 F7398
Molds, rots, and enzymatic browning.

66080 HOLT, H. M. The educational aspect of a clean food campaign. Roy. Sanit. Inst. J. 73:248-251. May 1953. 449.9 R812
Discussion, p. 259-261.

66081 ITALY. ISTITUTO NAZIONALE PER LE CONSERVE ALIMENTARI. Disposizioni estere per l'industria ed il commercio delle conserve alimentari [Foreign provisions for the processed foods industry and trade]. Ist. Naz. per le Conserve Aliment. [P.] 6,130 p. 1952. 389.9 It12
United States and Switzerland.

66082 KLEINFELD, V. A. The Delaney Committee—what has it wrought? Food Drug Cosmetic Law J. 8:285-292. May 1953. 389.58 F732

66083 KREHL, W. A., and COWGILL, G. R. Public education regarding chemicals in foods. (Abs.) Food Technol. 7(5,sup.):16. May 1953. 389.8 F7398

66084 LEFEBRE, L. Para venderlos mejor clasifique los productos de su finca. Puerto Rico. Agr. Col. Ext. Fol. E-7,4 p. Feb.1953. 275.29 P96E

66085 LINDSAY, T. Some practical effects of a clean food campaign. Roy. Sanit. Inst. J. 73:251-261. May 1953. 449.9 R812
Includes discussion.

66086 MACKELLAR, N. L. What does it mean? Standard commodity classification. Canad. Food Indus. 24(5):24-25. May 1953. 286.83 C166

66087 MANUFACTURING CHEMISTS' ASSOCIATION OF THE UNITED STATES. Inter-industry chemicals in foods conference, a symposium held at New York City, on January 15, 1952. Chicago,1952. 88 p. 389.9 M312

66088 MARKEL, M. F. Proposed simplification of food standards procedures. Food Drug Cosmetic Law J. 8:227-236. Apr.1953. 389.58 F732

66089 MILLER, C. R. Uniform food, drug and cosmetic laws. Food Drug Cosmetic Law J. 8:302-307. May 1953. 389.58 F732

66090 MINTENER, B. Report on 1952 progress in Product Liability Law. Food Drug Cosmetic Law J. 8: 237-244. Apr.1953. 389.58 F732

66091 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. Weighing and measuring devices approved for commercial use in New York State, January 1, 1930 to July 1, 1952. N. Y. Dept. Agr. & Mkt. C. 725,57 p. 1952. 2 N482C

66092 OSER, B. L. The status of proposed amendments affecting chemical additives. (Abs.) Food Technol. 7(5,sup.):16-17. May 1953. 389.8 F7398

66093 OSTERLING, S. Matförgiftningar orsakade av Clostridium perfringens (welchii) [Food poisoning caused by Clostridium perfringens (welchii)]. Sweden. Vethögsk. Meddel. 26(18),7 p. 1951/52. 41.9 St6M
English summary.

66094 RAUCH, A. C. Industry's role in development and use of military subsistence specifications. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 5: 69-71. First Q.1953. 389.9 As74A

66095 SCOTLAND. DEPT. OF HEALTH. Report, 1952. Edinburgh,1953. 126 p. (Cmd. 8799) 449.9 Sco8
Includes food sanitation and town and country planning.

66096 SEVRINGHAUS, E. L. Medical questions concerning the use of chemical additives to food. (Abs.) Food Technol. 7(5,sup.):16. May 1953. 389.8 F7398

66097 TANNER, F. W., and TANNER, L. P. Food-borne infections and intoxications. Ed. 2. Champaign, Ill.,Garrard Press,1953. 769 p. 391 T152

66098 U. S. FOOD AND DRUG ADMIN. 1952 annual report. Food Drug Cosmetic Law J. 8:245-272. Apr. 1953. 389.58 F732

PACKING AND PACKAGING

66099 BONINI, J. H. Packaging materials and methods. II. Paperboard. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 5:52-61. First Q.1953. 389.9 As74A

66100 BROWN, F. A., HAYHURST, I. J., and KAUFMAN, C. W. A practical control program for shipping containers. (Abs.) Food Technol. 7(5,sup.):25. May 1953. 389.8 F7398

66101 COWAN, J. M. The future of packaging films. Pre-Pack-Age 6(9):18. May 1953. 280.38 P91

66102 EOLKIN, D. A non-destructive method for determining micro leakage in commercial glass containers. (Abs.) Food Technol. 7(5,sup.):25. May 1953. 389.8 F7398

66103 FULTZ, J. M. Some recent developments in aluminum foil packaging of food. (Abs.) Food Technol. 7(5,sup.):25. May 1953. 389.8 F7398

66104 GARNATZ, G. The problem of odour gain and loss. (Excerpts.) Food Indus. So. Africa 5(12):44. Apr. 1953. 389.8 F7372
Food packaging.

66105 GIBBS, F. J. New saran film applications in food packaging. (Abs.) Food Technol. 7(5,sup.):25. May 1953. 389.8 F7398

66106 JOHANNSEN, A. Packaging of food. (In Swedish.) Nord. Vetmed. 5(4,sup.):42-47. Apr.1953. 41.8 N813

66107 JOHNSON, T. L. The Eco Packaging System. (Abs.) Food Technol. 7(5,sup.):25. May 1953. 389.8 F7398

66108 STRODTZ, N. H., and HENRY, R. E. Influence of nitrates in foods on tinplate corrosion. (Abs.) Food Technol. 7(5,sup.):25. May 1953. 389.8 F7398

PRICES, PRICE CONTROL, AND RATIONING

66109 CALIFORNIA. FEDERAL-STATE MARKET NEWS SERV. Market and farm price averages of hay, grain and feed and butter in California (historical series), Los Angeles, 1952 summary. Sacramento,1953. 8 p. 284.39 C12

66110 CARNCROSS, J. W. Price trends for New Jersey farmers. N. J. Agr. Expt. Sta. A. E. 143,7 p. Jan. 1952. 281.9 R93

66111 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. Evolution des prix de détail de différents produits alimentaires de 1946 à 1952, France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture. Econ. Franç. 8:63-96. Jan./Feb.1953. 280.8 F84

66112 FRISCHKNECHT, R. L. Farm price and income support programs, 1933-1950. Salt Lake City,1953. 80 p. (Utah. University. Institute of Government. Research Monograph Series 1) 284.3 F912

66113 HEMPHILL, P. V. Prices of North Dakota farm products. N. Dak. Agr. Expt. Sta. Bimon. B. 15:230-231. May/June 1953. 100 N813B

66114 HOFFMAN, S. S. Why farmers sell below support. Natl. Indus. Conf. Bd. Business Rec. 10:179-181. May 1953. 280.9 N216Cb

66115 HOLMSTRÖM, S. Agricultural price policy in Sweden. Agr. Econ. Soc. J. Proc. 10:145-157. Feb.1953. 281.9 Ag8

66116 HORRING, J. As much freedom as possible in price formation. (In Dutch.) Drents Landbbl. 34(15):5. Apr.9,1953. 12 D812

66117 MOLTESEN, P. A. British agricultural prices. (In Danish.) Denmark. Landbrraadet. Meddel. 14:272-277. Apr.2,1953. 11 D415L

66118 ROCA, R. Regulación precios y mercados agricolas. Inst. Agr. Catalan de San Isidro. Rev. 102: 59-60. Mar.1953. 15 Sa5

66119 SÄKK, K. The development on the international food market. (In Swedish.) Jordbrekon. Meddel. 15: 137-147. Mar.1953. 257.3 J76
English summary, p. 100.
Prices.

66120 SCHENCK, H. E. We've not outgrown parity. Hoosier Farmer 38(5):4-5. May 1953. 280.82 H76

66121 SHERMAN, R. W., GOULD, W. A., and SHARP, J. W. Price-quality relationship of frozen and canned foods. Ohio. Agr. Expt. Sta. Res. B. 716,43 p. Feb.1953. 100 Oh3S

66122 THATCHER, M. W. Six steps to protect parity goal. Farmers Union Herald 27(8):2. Apr.27, 1953. 280.28 F224

66123 THOMSON, J. Agriculture's dilemma. Have high rigid supports created greater difficulties? Prairie Farmer, Gen. Ed. 125(9):1,16,24-25. May 2,1953. 6 P883

66124 WAHLFISK, K. O. Downward trend of farm prices. (In Swedish.) Kooperatören 40:131-135. Apr.15, 1953. 280.28 K832

66125 WELLMAN, H. R. Economic issues in the National farm price policy. Calif. Citrog. 38:232,252. May 1953. 80 C125

66126 WELLS, O. V. Challenge to American agriculture. (Sum.) Ky. Banker 334:20,24,26. Apr.1953. 284.8 K41
Price and cost problems in agriculture.

PROCESSING AND STORAGE

66127 BACHMANN, A. La congélation ultra-rapide. Études d'Outre Mer 36:25-27. Jan./Feb.1953. 286.8 M35

66128 BELLON, F. Note sur les semi-conserves. Études d'Outre Mer 36:23-24. Jan./Feb.1953. 286.8 M35
France.

66129 BOLANOWSKI, J. P. Continuous heat transfer and processing in the food industry. (Abs.) Food Technol. 7(5,sup.):24. May 1953. 389.8 F7398

66130 BUSK, K. Locker plants and research. (In Danish.) Tidsskr. f. Hush. 32:56-57. Apr.22,1953. 321.8 T43

66131 CANADA. BUR. OF STATISTICS. Stocks of food commodities in cold storage and other warehouses 1952. Ottawa,1953. 27 p. 295.9 C16S

66132 CARL, F. L., FLORY, J., and CROWLEY, R. Food preservation. III. Mo. Agr. Col. Ext. 4-H C. 112, 18 p. Jan.1953. 275.29 M69B

66133 DE FRAGA, G. Australian links with South Africa's food industries. Food Indus. So. Africa 5(12): 33-36. Apr.1953. 389.8 F7372
Progress in food processing in Australia.

66134 DEUEL, H. J., and ALFIN-SLATER, R. Harmlessness of sorbic acid as a fungistatic component of foods. (Abs.) Food Technol. 7(5,sup.):23. May 1953. 389.8 F7398

66135 DOUGLAS OF BARLOCH, LORD. Soil, food and health. Roy. Sanit. Inst. J. 73:224-229. May 1953. 449.9 R812
I, Chemical processing of food; II, Chemical treatments during growth.
Discussion, p. 235-238.

66136 DOZIER, J. K. Storage demand increases. (Sum.) Ice & Refrig. 124(5):23. May 1953. 295.8 Ic2
For frozen foods.

66137 ELLIS, W. E., MAAG, O. L., and BENACH, M. J. Evaluation of bearing packages; canning is found to be superior to any other method for long-term storage under severe conditions. Mod. Packaging 26(9):127-132. May 1953. 309.8 M72
Food.

66138 FOOD ENGINEERING. 111 tested methods of handling everyday food plant problems. New York,McGraw-Hill,1952? 208 p. 389 F733Q

66139 FRENZEL, H. Das konservieren. L und E 6(4):8-10. Apr.1953. 389.8 Z34
Food processing.

66140 FRIEND, K. N. Increased use of storage brings new problems. (Sum.) Ice & Refrig. 124(5):22-23. May 1953. 295.8 Ic2
Refrigerated warehouses.

66141 GOLDBLITH, S. A., and others. Comparative bactericidal effects of three types of high-energy ionizing radiations. (Abs.) Food Technol. 7(5,sup.):27. May 1953. 389.8 F7398
B. E. Proctor, S. Davison, B. Kan, D. A. Lang, C. J. Bates, M. Karel, and E. M. Oberle, joint authors.

66142 HAEHN, H. Biochemie der gärungen unter besonderer berücksichtigung der hefe. Berlin,de Gruyter, 1952. 499 p. 390 H11

66143 HANSEN, A. Chemical preservatives for food. (In Danish.) Konserves 11:25-32. Ref. Mar.1953. 389.8 K835
English summary.

66144 HARRIS, R. S., and BRONNER, F. Phytates, nutrition and food processing. (Abs.) Food Technol. 7 (5,sup.):21. May 1953. 389.8 F7398

66145 HENDEL, C. E. In-package desiccation of dehydrated foods. (Abs.) Food Technol. 7(5,sup.):28. May 1953. 389.8 F7398

66146 HENDERSON, S. M., and PERRY, R. L. Engineering elements of agricultural processing. Ann Arbor,Mich.,1952. 204 p. 291 H38

66147 HOPPER, W. C. Locker plants for frozen foods. Foreign Trade 13(333):24-25. May 16,1953. 286.8 C162
In the United States.

66148 HOSKINS, W. G. "Hows," "whys," and "wherefores" of bulk-handling dry ingredients. Food Engin. 25(5):94-100. May 1953. 389.8 F737

66149 INSTITUTE OF FOOD TECHNOLOGISTS. Technical program and abstracts, thirteenth annual meeting, June 21-25, 1953, Boston, Massachusetts. Food Technol. 7(5,sup.),28 p. May 1953. 389.8 F7398

66150 JANDOLO, E. Processing and raw materials handling plants for agricultural products. (In Italian.) Inform. SVIMEZ 6:361-367. Apr.8,1953. 280.9 As73
Italy.

66151 KAROW, E. O., BARTHOLOMEW, W. H., and SFAT, M. R. Oxygen transfer and agitation in submerged fermentations. J. Agr. & Food Chem. 1:302-306. May 13,1953. 381 J8223

66152 KATHE, J., and ENGELHARDT, K. Ratten und Weilsche krankheit in lebensmittel-produktionsbetrieben. Prakt. Desinfekt. 45:155-158. Feb./Mar.1953. 449.8 Z36P

66153 KUEHN, P. G. Big change is trend from cooler to freezer space. (Sum.) Ice & Refrig. 124(5):22. May 1953. 295.8 Ic2
Refrigerated warehouses.

66154 LEE, W. A., and BIRD, K. M. Economic aspects of the frozen food locker industry in Pennsylvania, fiscal year 1949. Pa. Agr. Expt. Sta. Prog. Rpt. 90,11 p. Dec.1952. 100 P381P

66155 MEYER, H. The complete book of home freezing. Philadelphia,Lippincott,1953. 456 p. 295 M57

66156 NATIONAL FROZEN FOODS CONVENTION. 7th frozen food convention, complete report; Chicago, Illinois, March 1—4, 1953. Quick Frozen Foods 15(9):55-99,164. Apr.1953. 389.8 Q4
National Association of Frozen Food Packers, National Wholesale Frozen Food Distributors, National Food Brokers Association, and National Association of Refrigerated Warehouses, participating associations.

66157 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. Cold storage holdings in New York 1950—1952. N. Y. Dept. Agr. & Mkt. Bur. Statis. RMA Release 10,41 p. Oct.1952. 280.3939 N483

66158 NEW YORK. DEPT. OF AGRICULTURE AND MARKETS. List of licensed refrigerated warehouses and locker plants 1951—1952. N. Y. Dept. Agr. & Mktg. C. 722,49 p. 1952. 2 N482C

66159 THE NEW refrigerated warehousing. Ice & Refrig. 124(5):21-23. May 1953. 295.8 Ic2
A symposium.

66160 NICKERSON, J. T. R., PROCTOR, B. E., and GOLDBLITH, S. A. Public health aspects of electronic food sterilization. Amer. J. Pub. Health 43:554-560. Ref. May 1953. 449.9 Am3J

66161 NUNZIO, B. DEL. Combination of factors in the use of cold. (In Italian.) Alimentazione 3(3):32-35. Mar.1953. 389.8 AL45
Freezing.

66162 OLIVER DIAZ, R. Control sanitario de la industria conservera (roedores, insectos y limpieza en general). Agrotecnia 8:14-43. Jan./Feb.1953. 8 Ag825

66163 PETERSEN, R. M. Army invites help to improve use of frozen foods. Quick Frozen Foods 15(10): 45,158-159. May 1953. 389.8 Q4

66164 SCHERINGS, H., and MULDER, F. Open air cooling installations. (In Dutch.) Netherlands. Dir. van de Landb. Verslag van het Landbk. Onderz. in Noordelijk-Groningen 1952:85-93. 12 N38Vg
Cold storage.

66165 SMITH, H. L., and BALL, C. O. Smith-Ball pressure canning process. (Abs.) Food Technol. 7(5,sup): 27. May 1953. 389.8 F7398

66166 THAYSEN, A. C. Food and the future. 3. (B). Food and fodder yeast. Chem. & Indus. 19:446-447. May 9,1953. 382 M31C

66167 TRIEST, F. Points on compounding flavors. Amer. Perfumer & Essential Oil Rev. 61:309,311,313. Apr.1953. 308.8 Am3

66168 TURK, A. Vapor concentration control in closed spaces. J. Agr. & Food Chem. 1:306-308. May 13,1953. 381 J8223

66169 TYOR, H. Freezes to level off production. Food Engin. 25(5):64-65. May 1953. 389.8 F737
Bakery products.

66170 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Storage life of foods under household refrigeration. Beltsville?Md.,1953? 5 p. Ref. (He-94-B) 1.982 A2St7

66171 VAHLTEICH, H. W. Sorbic acid—a new fungistatic agent for foods. (Abs.) Food Technol. 7(5, sup.):23. May 1953. 389.8 F7398

66172 VASSOGNE, G. Déréfrigération et conditionnement. Rev. Prat. du Froid 8(7):53-56. Apr.1953. 295.8 R323
Food.

66173 VERLOT, J. B. Quick frozen foods et produits surgelés. Rev. Prat. du Froid 8(7):27-28,45,48. Apr. 1953. 295.8 R323
Explanation of methods and terminology.

66174 WALTER, L. Process control in canning. Food Canada 13(4):9-12,14. Apr.1953. 389.8 F7323

66175 WARD, J. Keep it under lock and key. Food Serv. 15(4):32-33. May 1953. 389.2538 F732
Food storage.

66176 WILSON, H. W. Frozen foods foster stable occupancy. (Sum.) Ice & Refrig. 124(5):21. May 1953. 295.8 Ic2
Refrigerated warehouses.

STATISTICS

66177 BELGIUM. INSTITUT NATIONAL DE STATISTIQUE. Estimation de la production agricole (rendement des récoltes) pour l'année culturale 1952. Bruxelles, 1952. 22 p. 258 St22E

66178 BELGIUM. INSTITUT NATIONAL DE STATISTIQUE. Resultats definitifs du recensement agricole et horticole au 15 mai 1952. Bruxelles,1953. 27 p. 258 St22Ra

66179 CANADA. BUR. OF STATISTICS. Index of farm production 1952. Ottawa,1953. 3 p. (D. B. S. Memorandum) 281.9 C164

66180 CARNCROSS, J. W. Value of crops produced in New Jersey in 1951. N. J. Agr. Expt. Sta. A. E. 149, 1 p. July 1952. 281.9 R93

66181 CEYLON. DEPT. OF CENSUS AND STATISTICS. Statistical abstract of Ceylon, 1952. Colombo,1952. 326 p. 272 C337

66182 ELLIOTT, R., ROBERTS, N. K., and TAKEI, S. 1952 statistics of diversified agriculture and market receipts in Hawaii. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 16,47 p. Apr.1953. 275.29 H312Ae

66183 GUIMARÃES, A. P., and others. The 1950 agricultural census in the Federal District. (In Portuguese.) Rev. Bras. de Estatís. 13:154-164. Apr./June 1952. 251.8 R322
A. P. T. de Freitas, J. Aires, A. Monteiro, and M. R. Reis, joint authors.

66184 IRELAND. CENTRAL STATISTICS OFF. Statistical abstract of Ireland, 1952. Dublin,1953. 299 p. 256.12 In2S
Includes agricultural statistics.

66185 NEW ZEALAND. CENSUS AND STATISTICS DEPT. Report on the agricultural and pastoral statistics of New Zealand for the season 1950-51. Wellington,1953. 87 p. 271.2 R26A

66186 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Anbaustatistik der Schweiz: kulturen, gewächshäuser und treibbeetkästen der erwerbsgärtnereien, 1950. Bern,1952. 145 p. 262 St2Q

66187 TAVORA, J. B. Studies on the quantities and prices of merchandise produced or marketed. (In Portuguese.) Rev. Bras. de Estatis. 13:285-305. July/Sept. 1952. 251.8 R322
Agricultural products.

66188 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 25, census year 1950-51. Special report series, No. 1. Area of farms and agricultural crops. Pretoria,1953. 46 p. 270 So87L

66189 U. S. BUR. OF AGRICULTURAL ECONOMICS. Crops and markets, volume 30. Washington,1953. 126 p. 1 Ag84Wcm

66190 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, farm disposition, and value of principal crops, 1951-1952, by States. Washington,1953. 41 p. 1.9 Ec71Prf

66191 U. S. BUR. OF THE CENSUS. United States census of agriculture, 1950, v. 5, pt. 10. Special reports: farms and farm characteristics by economic subregions. Washington,1952. 79 p. 157.41 C332

66192 VENTURA COUNTY, CALIFORNIA. AGRICULTURAL COMMISSIONER'S OFF. Annual report and crop statistics, 1952. n.p.,1952. 15 p. 81 V56

66193 VERSLAG Nederlandse Antillen, 1951 [Report of the Netherlands Antilles, 1951]. 's-Gravenhage,1952. 2 v. 259 K83C
I, Text of the report on the management and state of the Netherlands Antilles for the year 1950; II, Statistical annual of the Netherlands Antilles for the year 1950.
Includes agricultural report and statistics.
Headings of tables, v. II, also in English.

66194 WEST PUNJAB. BOARD OF ECONOMIC INQUIRY. Agricultural statistics of the Punjab (Pakistan) 1949—1951. West Punjab. Bd. Econ. Inq. P. 8,17 p. 1952. 281.9 In2

66195 WISCONSIN CROP AND LIVESTOCK REPORTING SERV. County agricultural statistics series: Barron County agriculture. Madison,1952. 62 p. 252.97 C88
Library has also reports for Buffalo, Crawford, Door, Fond du Lac, Green Lake, Sheboygan, Jackson, Washington, and Ozaukee Counties.

BEVERAGES AND CONDIMENTS

66196 ABERNETHY, C. W. Tea picture improves. Canad. Food Indus. 24(5):31. May 1953. 286.83 C166

66197 AMERICAN SOCIETY OF ENOLOGISTS. Proceedings, third annual open meeting, Davis, California, July 9-10-11, 1952. Davis,1952. 216 p. 390.9 Am33

66198 AMERICAN SPICE TRADE ASSOCIATION. Spices what they are—where they come from. South. Calif. Grocers J. 40(18):45,52-53,60-61. May 15,1953. 286.28 So82

66199 AMERINE, M. A., and ROESSLER, E. B. Techniques and problems in the organoleptic examination of wines. Amer. Soc. Enol. Proc. 3:97-115. Ref. 1952. 390.9 Am33

66200 AMERINE, M. A., and KISHABA, T. T. Use of the flame photometer for determining the sodium, potassium, and calcium content of wine. Amer. Soc. Enol. Proc. 3:77-86. 1952. 390.9 Am33

66201 ARMSTRONG, K. Vintage year, national advertising & international awards. Canad. Food Indus. 24(5):33. May 1953. 286.83 C166

66202 ASH, C. Reminiscences of pre-prohibition days. Amer. Soc. Enol. Proc. 3:39-44. 1952. 390.9 Am33
Wine industry.

66203 AUSTERWEIL, G. V. Quelques méthodes d'application des échangeurs d'ions en oenologie. Indus. Agr. et Aliment. 70:197-207. Mar.1953. 383 As7
English summary.

66204 AZEVEDO, M. P. DE. La "bentonita" en enologia. Vinos, Vinãs y Frutas 48:388. Mar.1953. 9 Ag89

66205 BARAUD, J. La réaction de la tartrazine appliquée à l'étude des vins. Soc. Chim. de France. B. 5:525-527. May 1953. 383 P21B

66206 BARY, H. DE. Eigenarten der europäischen weine. Trautheim über Darmstadt,Mushakesche Verlagsanstalt,1952? 120 p. (Europäische Wirtschaft in Einzeldarstellungen) 390.1 B282
The industry.

66207 BAUM. Entsäuerte und süssgehaltene weine Deut. Weinbau 8:161. Apr.5,1953. 390.8 W432

66208 BELLISIME, L. C. An answer to "caking" in dry seasonings. Coffee & Tea Indus. 76(5):65. May 1953. 389.8 Sp4

66209 BERRY, J. M., and VAUGHN, R. H. Decomposition of tartrates by lactobacilli. (Abs.) Amer. Soc. Enol. Proc. 3:135-138. 1952. 390.9 Am33

66210 BERRY-SMITH, F. Wines and wine making. New Zeal. J. Agr. 86:262-263,265,267,269-272. Mar.16, 1953. 23 N48J

66211 BERTI, I. A., and BALDWIN, G. Use of carbon as a de-tartrating agent in wine. Amer. Soc. Enol. Proc. 3:173-183. 1952. 390.9 Am33

66212 BITZER, J. Ablieferbarer branntwein. Branntweinwirtschaft 75:145-147. Apr.25,1953. 390.8 B7322
Germany.

66213 BOIXO, DE. Influence du froid sur les vins des corbières. Acad. d'Agr. de France. Compt. Rend. 39: 246-252. Feb.25/Mar.4,1953. 14 P215Bc
Includes discussion.

66214 BORGES, A. A. Café wine. (In Portuguese.) Lav. e Criação 7(44):58-59. Nov.1952. 49 L392
A wine made in one day.

66215 BOURRY, A. G. Pour la reine des boissons: le vin. Viticult. Nouvelle 6(61):2-3. May 1953. 390.8 V832

66216 BRAILOW, A. Conditions of the champagne production in the Finger Lakes Region of New York State. Amer. Soc. Enol. Proc. 3:7-16. 1952. 390.9 Am33

66217 THE BRAZILIAN Coffee Institute. (In Portuguese.) Soc. Rur. Bras. Rev. 33(385):12-16. Feb.1953. 9.2 B733
Includes address of President M. P. de Faria e Silva.

66218 THE BREWERS' almanack 1953 (fifty-third edition). London,1953. 880 p. 390.1 B753

66219 CALCUTTA TEA TRADERS ASSOCIATION. Proceedings of the sixty-sixth annual general meeting of members held at the Bengal Chamber of Commerce and Industry on Friday, the 19th December, 1952. Calcutta, 1952. 21 p. 286.3689 C12P

66220 CARBONELL, R. J., and VILANOVA M., T. Beneficiado rápido y eficiente del café mediante el uso de soda cáustica. Cafe de El Salvador 22:411-556. Ref. July/Aug.1952. 68.28 C112

66221 CARTWRIGHT, L. C. Vanilla-like synthetics. J. Agr. & Food Chem. 1:312-314. May 13,1953. 381 J8223

66222 CASTOR, J. G. B. Yeast spoilage of wines. Amer. Soc. Enol. Proc. 3:139-159. Ref. 1952. 390.9 Am33

66223 CHANDRASEKHARA, M. R., and NARAYANAN, B. T. Staling of roasted coffee powder. Sci. & Cult. 18: 386-387. Feb.1953. 475 Sci24

66224 CHAUNAC, A. DE. Canada, a winemaking country. Amer. Soc. Enol. Proc. 3:23-26. 1952. 390.9 Am33

66225 COETZEE, W. H. K., VAN DER MERWE, H. C., and BURGER, I. J. The composition of rooibos-tea. Farming So. Africa 28:95-99,106. Mar.1953. 24 So842

66226 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 7, ROME, 1953. Ordre du jour. Off. Internatl. du Vin. B. 26(265):3-24. Mar.1953. 390.8 B87

66227 CORIO, M. F. Spice trends in India. Coffee & Tea Indus. 76(5):55,68. May 1953. 389.8 Sp4

66228 CORNELLSEN, F. A. Was bringt die Deutsche Weinwoche 1953? Deut. Weinbau 8:175-176. Apr.20, 1953. 390.8 W432

66229 COSTA, E. N. Importance of pH in chill-proofing. Amer. Soc. Enol. Proc. 3:185-191. 1952. 390.9 Am33

66230 DECASTRO, V. Lavado de café con soda cáustica. Rev. del Café 8(9):31,33. Apr.1953. 8 R3295

66231 DEIBNER, L. Rôle du potentiel d'oxydo-réduction et de la nature de différents systèmes oxydo-réducteurs pendant les transformations et la maturation des vins. Rev. des Ferment. et des Indus. Aliment. 8:7-16. (Cont.) Feb.1953. 390.08 R32

66232 DIEDERICKSEN, R. Imbalance between world production and consumption of coffee. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384):42-43. Jan.1953. 9.2 B733

66233 DION, R. Querelle des anciens et des modernes sur les facteurs de la qualité du vin. Ann. de Géog. 61:417-431. Nov./Dec.1952. 473 An75

66234 EISENBRAND, J. Beitrag zur unterscheidung verschiedener essigarten mit hilfe flammenphotometrischer messungen. (Abs.) Angew. Chem. 65:166. Mar.21,1953. 384 Z33

66235 EISENBRAND, J. Beitrag zur unterscheidung verschiedener essigarten mit hilfe flammenphotometrischer messungen. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:275-276. Apr.1953. 384 Z39

66236 FINCKE, H. Uber die höchstzulässige flächenausdehnung bei tafelschokoladen. Zucker- u. Süsswaren-Wirt. 6:215-217. Mar.20,1953. 286.86 Z8
Germany.

66237 FLORENTIN, D. Résultats des chaînes d'analyses dans la détermination des constantes des vins. Indus. Agr. et Aliment. 70:291-293. Apr.1953. 383 As7
English summary.

66238 FORNACHON, J. C. M. The development of oenological research in Australia. Amer. Soc. Enol. Proc. 3:33-38. 1952. 390.9 Am33

66239 FREEL, E. R. Spice volume continues to expand in Canada. Coffee & Tea Indus. 76(5):67-68. May 1953. 389.8 Sp4

66240 GERRITSMA, K. W., and KOERS, J. Determination of theobromine in cocoa residues. Analyst 78: 201-205. Ref. Apr.1953. 382 An1

66241 GIRARDOT, N. F., and PERYAM, D. R. Does pepper contribute to food preference? Food Technol. 7: 205-207. May 1953. 389.8 F7398

66242 GIRARDOT, N. F., and PERYAM, D. R. Monosodium glutamate and food preferences. (Abs.) Food Technol. 7(5,sup.):13. May 1953. 389.8 F7398

66243 GOCAR, M. Abatons rompus dans la technique. Petit J. du Brasseur 61:313-319. May 1,1953. 390.8 P44

66244 GOLDMAN, M. Relationship of fusel oil, aldehydes, and esters in distilling material, hi-proof brandy and dessert wines. Amer. Soc. Enol. Proc. 3:167-171. 1952. 390.9 Am33

66245 GUYMON, J. F., and NAKAGIRI, J. Methods for the determination of fusel oil. Amer. Soc. Enol. Proc. 3:117-134. 1952. 390.9 Am33
In distilled liquors.

66246 HARRIS, F. J. T. The determination of caffeine. J. Sci. Food & Agr. 4:205-208. Ref. Apr.1953. 382 So12
In coffee.

66247 HARRISON, G. Watch soluble coffee. Wholesale Grocer News 28(2):21. May 1953. 286.83 W622

66248 HARRY, G. The wines of Burgundy and their legendary beginnings. (Excerpts.) Food & Cookery Rev. 20(22):12-14. Apr.1953. 389.8 F7328

66249 HASSELSTROM, T., RITTER, J. J., and KONIGSBACHER, K. S. Formulation of black pepper imitations. (Abs.) Food Technol. 7(5,sup.):14-15. May 1953. 389.8 F7398

66250 HEILMEIER, F., and FINK, H. Uber das kühlen und klären von bierwürze unter besonderer berücksichtigung der hopfentrubfiltration nach Fehrmann. Brauwelt 27:337-339. (Cont.) Apr.3,1953. 390.8 B732

66251 HEILMEIER, F., and FINK, H. Uber das kühlen und klären von bierwürze unter besonderer berücksichtigung der hopfentrubfiltration nach Fehrmann. Brauwelt 29:361-363. (Cont.) Apr.10,1953. 390.8 B732

66252 HEILMEIER, F., and FINK, H. Uber das kühlen und klären von bierwürze unter besonderer berücksichtigung der hopfentrubfiltration nach Fehrmann. Brauwelt 31:387-389. (Concl.) Ref. Apr.17,1953. 390.8 B732

66253 HINREINER, E., and SAWYER, M. Summary of results of consumer taste perference studies. Wines & Vines 34(5):19. May 1953. 95.8 C122

66254 HOPKINS, J. W. Laboratory flavor scoring: two experiments in incomplete blocks. Biometrics 9:1-21. Ref. Mar.1953. 442.8 B5224
Beverages.

66255 HROMATKA, O., KASTNER, G., and EBNER, H. Untersuchungen über die essiggärung. V. Enzymologia 15:337-350. Ref. Feb.1,1953. 390.08 En9
English summary.

66256 ILLNER, F. Anbau und ernte von heil- und gewürzpflanzen in Bayern im jahre 1952. Bayern in Zahlen 7:91-92. Mar.1953. 265 B34

66257 INSTITUTE OF BREWING. Annual report. Inst. Brewing J. 59:95-135. Mar./Apr.1953. 390.9 In7

66258 JOLY, R. L. Succédanés europeens et africains du café. Indus. de la Parfumerie 8:115-119. Apr.1953. 308.8 In2

66259 JONES, M. A., and DAVIES, E. DE L. Demostración de una mejora efectiva en el lavado del café despulpado. Asoc. Gen. de Agr. [Guatemala] B. 335:3,8. Mar.15,1953. 8 As52

66260 JONES, P. A. Pectic enzymes in fermentation of coffee. Coffee Bd. Kenya. Mon. B. 18:325-326. Feb. 1953. 68.29 C652

66261 JOSLYN, M. A. Chemistry of sulfite addition products. Amer. Soc. Enol. Proc. 3:59-68. Ref. 1952. 390.9 Am33
Sulfur dioxide in wine manufacture.

66262 KLEINERT, J. Schokoladenerzeugnisse und fettreifverhütung. Zucker- u. Süsswaren-Wirt. 6:251-253. Apr.9,1953. 286.86 Z8
Alterations in cocoa butter.

66263 KLOSIUS, H. Die bedeutung der kohlensäure in der kellerwirtschaft. Österr. Weinztg. 8:49-50. Apr. 25,1953. 390.8 Os7

66264 KNAPP, A., and SCHETTY, O. Index für rohkakao. Zucker- u. Süsswaren-Wirt. 6:211-214. (Cont.) Mar.20,1953. 286.86 Z8

66265 KNAPP, A. Internationale tagung der experten 1952 in Bern des Office International du Cacao et du Chocolat. Index für rohkakao. Rev. Internatl. de la Choc. 8:93-100. Apr.1953. 68.38 R32
Text also in French.

66266 KOFLACH, S. Functions of the society wine cellars in Italy. (In Italian.) Alimentazione 3(3):40-41. Mar.1953. 389.8 AL45

66267 KORBIN, W. L. Greater wealth in Ethiopia is based on coffee. Tea & Coffee Trade J. 104(5):12-13,22. May 1953. 68.8 T22

66268 LANDES, K. H. What to know about Batavia cassias. Coffee & Tea Indus. 76(5):56,69. May 1953. 389.8 Sp4

66269 LEFEVRE, R. Le probleme du cacao en Gold-Coast (swollen shoot et Cocoa Marketing Board). Chron. d'Outre-Mer 4:3,5-7. Apr.1953. 280.8 C46

66270 LEITE, H. C. Coffee growing and the U.S. market. Coffee & Tea Indus. 76(5):13,75. May 1953. 389.8 Sp4
Brazil.

66271 LERICHE, A. De l'origine du thé au Maroc et au Sahara. Inst. Franç. d'Afrique Noire. B. 15:731-736. Apr.1953. 515 D14

66272 LLOBREGAT, E. Fundamentos de enologia. II. Vinos, Vinäs y Frutas 48:389-390. Mar.1953. 9 Ag89

66273 LUTHI, H. Beitrag zur kenntnis fadenziehender (linder) weine und obstweine. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 44:30-72. Ref. 1953. 389.9 Sw6
English summary.

66274 MACILLROY, R. J. The chemistry of tea leaf. Tea Trade & Indus. 2:73-74. Feb.1953. 68.18 T225

66275 MAESTRO PALÓ, F. Defectos y enfermedades de los vinos. Zaragoza,La Académica,1952. 527 p. (Publicaciones Monográficas de la Revista Vinícola y de Agricultura) 390.1 M262

66276 MANGRAVITE, G. H. Herbs—and the spice market. Coffee & Tea Indus. 76(5):63,68. May 1953. 389.8 Sp4

66277 MARSH, G. L. Color determination and its interpretations. Amer. Soc. Enol. Proc. 3:69-76. 1952. 390.9 Am33

66278 MARTEAU, G. Comment éviter l'acidité volatile? Prog. Agr. et Vitic.,Apr.19/26,1953:251-254. (Cont.) 14 P94
In wine.

66279 MARTEAU, G. Comment éviter l'acidité volatile? Prog. Agr. et Vitic., May 3/10,1953:272-275. (Cont.) 14 P94
In wine.

66280 MENSIO, C., and DALMASSO, G. Wine propaganda. (In Italian.) Colt. e Gior. Vinic. Ital. 99:79-80. Mar.1953. 16 C72
Types.

66281 MONZINI, A. Agrarian industries. (In Italian.) Humus 2:33-34. Feb.1953. 16 H88
Making low-grade wine.

66282 MORENO, C. Wine is no longer fashinable in Italy. (In Italian.) Ital.-Amer. Business (ser.5)3(3):11-13. Mar.1953. 287 Am3Ir

66283 MUNICH. WISSENSCHAFTLICHE STATION FUR BRAUEREI. Jahresbericht 1952. II. Brauwelt 29: 364-366. Ref. Apr.10,1953. 390.8 B732

66284 NAGASHIMA, Z. Studies on free amino acids in the tea. 1. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:211-215. 1952. 107.6 Iw92
English summary.

66285 NATHANAEL, W. R. N. The history of vinegar production and the use of coconut toddy as a raw material. II. Ceylon Coconut Q. 3:135-149. July/Sept.1952. 77.9 C33

66286 NIDHI, G. S. Neera & palm gur scheme. Tad Gud Khabar 4:26-27. Apr./May 1953. 67.8 T12

66287 OFF. INTERNATIONAL DU VIN. XXXIIe session officielle plénière du comité de l'O. I. V. (Fribourg, 19-23 août 1952) [rapports et exposés]. Off. Internatl. du Vin. B. 26(266):13-40. Apr.1953. 390.8 B87

66288 OLIVA, A. El consumo de vinos en el mercado norteamericano. Vinos, Vinäs y Frutas 48:383. Mar. 1953. 9 Ag89

66289 PESTEL, H. Le vin de France dans l'histoire. Off. Internatl. du Vin. B. 26(265):26-27. Mar.1953. 390.8 B87

66290 PEYER, E. Die ergebnisse der weinlesekontrolle und weinbauberatung in der deutschsprachigen Schweiz. Schweiz. Z. f. Obst- u. Weinbau 62:155-158. May 2,1953. 80 Sch9

66291 PHILPOTT, E. Quality in Ceylon tea. Coffee & Tea Indus. 76(5):43,45. May 1953. 389.8 Sp4

66292 PIGUET, G. A. Vinification et cidrification. Agenda de l'Agr. et du Vigneron 1953:283-286. 30.3 Ag33

66293 POLAK, E. B. The pepper picture. Coffee & Tea Indus. 76(5):61,69. May 1953. 389.8 Sp4

66294 PROBLEMS of Pakistan's tea. (Extr.) Tea Trade & Indus. 2:689-694. Jan.1953. 68.18 T225

66295 RENTSCHLER, H., and TANNER, H. Der polarograph als hilfsmittel für getränkeanalysen. I. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:161-168. Mar. 1953. 384 Z39

66296 RICCARDI, A. La Federación Cafetalera Centro América—México—El Caribe. Cuba Econ. y Financ. 28(324):21-22. Mar.1953. 286.8 C892

66297 RICE, J. Making and selling cider. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:37-39. 1952. 81 M384
Includes discussion.

66298 RIVEROS, J. E. La fermentación alcohólica del mosto de uva. Chacra 23(269):54-55. Apr.1953. 9 C34

66299 ROSSITER, R. J. Contributions of the brewing industry to chemistry. Chem. Canada 5(5):25-29. May 1953. 381 C4236

66300 SACHSSE, M., and ROSENSTEIN, J. Uber den fettreif der schokolade. III. Fette u. Seifen 55:196-198. Mar.1953. 384 C422
Cocoa butter.

66301 SAHASRABUDHE, M. R., and BHATIA, D. S. A note on antioxidant properties of spices. Sci. & Cult. 18:384-385. Feb.1953. 475 Sci24

66302 SALA ROCA, E. Fases del problema viti-vinícola en España. Inst. Agr. Catalán de San Isidro. Rev. 102:55-57. Mar.1953. 15 Sa5
Situation and outlook.

66303 SALAC, V., KOTRLA-HAPALOVA, M., and VANCURA, M. Uber die letzten brautechnischen versuche mit hopfen in der Tschechoslowakei. Brauwissenschaft 4:60-61. Apr.1953. 390.8 B733

66304 SANCHEZ-MARROQUIN, A., and HOPE, P. H. Agave juice; fermentation and chemical composition studies of some species. J. Agr. & Food Chem. 1:246-249. Ref. Apr.29,1953. 381 J8223

66305 SCHNEIDER, R. Beer fermentation. J. Agr. & Food Chem. 1:241-245. Apr.29,1953. 381 J8223

66306 SCHOENFELD, H. Dessert wine of Canada. Amer. Soc. Enol. Proc. 3:27-32. 1952. 390.9 Am33

66307 SCHREFFLER, C. B. Heat transfer in winery refrigeration. Amer. Soc. Enol. Proc. 3:211-217. 1952. 390.9 Am33

66308 SCHREFFLER, C. B., and WITZKE, W. A rapid method for the determination of calcium in wine. Amer. Soc. Enol. Proc. 3:87-95. Ref. 1952. 390.9 Am33

66309 SHUSTER, H. V., and LOCKHART, E. E. Development and application of objective methods for the quality evaluation of capsicum products. (Abs.) Food Technol. 7(5,sup.):13. May 1953. 389.8 F7398

66310 SONNEMAN, H. O. Ohio State wines, their history and production. Amer. Soc. Enol. Proc. 3:17-22. 1952. 390.9 Am33

66311 STREULI, H. Zum nachweis einer solubilisierung von kakaopulver. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 44:73-78. 1953. 389.9 Sw6
English summary.

66312 SUTTER, G. Die reinigung von transportfässern in der gewerblichen mosterei. Schweiz. Z. f. Obst- u. Weinbau 62:162. May 2,1953. 80 Sch9

66313 TELEKI, A. Der weinbau in Südafrika. Österr. Weinztg. 8:50. (Cont.) Apr.25,1953. 390.8 Os7

66314 THAYSEN, A. C., and FORSYTH, W. G. C. The fermentation of the cocoa bean. Agr. Soc. Trinidad & Tobago. J. 52:403-407. Dec.1952. 8 T73

66315 LE THE au Viêtnam. Viêt-Nam Kinh-Tế Tập-San 3:381-391. Aug.1952. 280.8 V672

66316 TRITTON, S. M. The influence of yeast on the flavour and stability of wine. Amer. Soc. Enol. Proc. 3: 161-166. 1952. 390.9 Am33

66317 VEIGA, A. DE A. Wine making. (In Portuguese.) Soc. Rur. Bras. Rev. 33(385):39. Feb.1953. 9.2 B733

66318 VIDAL, J. L. Comment on traitait les maladies de la vigne dans l'antiquité. Viticult. Nouvelle 6(61):7-10. May 1953. 390.8 V832

66319 WEIDENHOFER, K. The estimation of relative yield values of grape varieties and the measurement of sugar intake and outgo. Amer. Soc. Enol. Proc. 3:193-200. 1952. 390.9 Am33

66320 WELLHOENER, H. J. Die bedeutung von heiss- und kühltrub für die gärung. Brauwelt 35:431-434. May 1,1953. 390.8 B732

66321 WILLIAMS, R. O. Clove prospects in Zanzibar. Coffee & Tea Indus. 76(5):64,66,68. May 1953. 389.8 Sp4

66322 WINDISCH, K. Die obstbrennerei; anleitung zum praktischen obstbrennereibetrieb. Ed. 2, rev. by M. Rüdiger. Stuttgart,Ulmer,1952. 131 p. 390.1 W720

66323 WINKLER, A. J. Problems of the grape and wine industry in Argentina. Amer. Soc. Enol. Proc. 3: 3-6. 1952. 390.9 Am33

66324 YANG, H. Y. Fruit wines; requisites for successful fermentation. J. Agr. & Food Chem. 1:331-333. May 13,1953. 381 J8223

66325 ZALKAN, R. C., and FABIAN, F. W. Influence of vinegar eels (Anguillula aceti) on vinegar production. (Abs.) Food Technol. 7(5,sup.):17. May 1953. 389.8 F7398

DAIRY PRODUCTS

66326 ARRIBASPLATA B., C. D. Presente y futuro de la producción lechera de Cajamarca. Mensajero Agr. 79:19-20,36. Jan.1953. 9.8 M52

66327 ASCHCROFT, E. La leche y sus derivados. Indus. Lech. 35:98-102. Feb.1953. 44.8 In26

66328 BALL, M. How much does milk matter. Milk Indus. 33(10):50-52. Apr.1953. 44.8 M593
Public relations in the British dairy industry.

66329 BONNAL, R. La production laitière en Creuse. Agr. Creusoise 2(6):1. 1952? 14 Ag827

66330 BRIOTTA, L. DELLA. Brief history of the dairies in Valtellina. (In Italian.) Rass. Econ. della Prov. di Sondrio 6(3):12-14. Mar.1953. 287 So5

66331 CARNCROSS, J. W. Dairy production and price trends in New Jersey. N. J. Agr. Expt. Sta. A. E. 136, 8 p. n.d. 281.9 R93

66332 CARNCROSS, J. W. Dairy production and price trends in New Jersey. N. J. Agr. Expt. Sta. A. E. 142, 7 p. n.d. 281.9 R93

66333 CHARBO, J. J. A. Regulation of the milk market. (In Dutch.) Co-op [Rotterdam] 8(4):4-5. Apr. 1953. 280.28 C7857
Netherlands.

66334 COX, R. W. What's happening to butter and margarine? Minn. Farm & Home Sci. [Minn. Sta.] 10(3): 3,7. May 1953. 100 M668

66335 CREA, V. Panorama and prospects of the dairy economy. (In Italian.) Latte 27:185-187. Apr.1953. 44.8 L35
International.

66336 CREIGHTON, J. J. Record and responsibilities of Canadian dairy industry. Canad. Dairy & Ice Cream J. 32(4):33-35,47. Apr.1953. 44.8 C162

66337 DERBY, H. A. Canadian dairying in 1952 and Government butter marketing. Canad. Dairy & Ice Cream J. 32(4):39-41,80,82,84. Apr.1953. 44.8 C162

66338 DUMBLETON, B. H. What about butter? Coop. Digest 13(10a):8-9. Apr.15,1953. 280.28 C7896

66339 FRANCISCO, D. What's ahead for dairy foods. Ice Cream Field 61(5):76,78,80,82,84,86. May 1953. 389.8 Ic23

66340 FRANDSEN, J. H. The future of soft frozen desserts. Milk Plant Mon. 42(5):17-18. May 1953. 44.8 C864

66341 GRINDROD, J. Structure de l'industrie laitière suédoise. Tech. Lait. 9(127):22-24. Apr.15,1953. 44.8 Of2

66342 HACKENSCHMIED, W. Beobachtungen über die milcherzeugung in einigen Bundesstaaten der Vereinigten Staaten von Nordamerika. Süddeut. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 2:45-72. 1951/52. 44.9 W42

66343 HARVEY, J. L. Imitation dairy products. Ice Cream Rev. 36(10):72,128-131. May 1953. 389.8 Ic22
Vegetable fat ice cream.

66344 HOVEY, V. F. Vegetable fat in frozen desserts. South. Dairy Prod. J. 53(5):118,127-128,130. May 1953. 44.8 So83

66345 KERN, E. E. A study of the supply and utilization of milk in Mississippi. Miss. Agr. Expt. Sta. Tech. B. 35,34 p. Feb.1953. 100 M69

66346 LUNDER, L. J. Dairy industry and dairy production in Møre and Romsdal. (In Norwegian.) Meieriposten 42:314-322. Apr.18,1953. 44.8 M47

66347 MCMILLAN, G. United action by producers and processors vital to dairying. Canad. Dairy & Ice Cream J. 32(4):50,54,56,58,60-61,85. Apr.1953. 44.8 C162

66348 MAKKINGA, H., and PARODI C., N. Leche y lecherias. III. Vida Agr. [Lima] 30:161,163-164. Feb. 1953. 9.8 V66

66349 MARTIN, W. H. Soft ice milk. Milk Plant Mon. 42(5):13-14. May 1953. 44.8 C864

66350 MAWSON, W. F. The dairying industry on the Atherton tableland. Queensland Agr. J. 76:19-37. Jan. 1953. 23 Q33

66351 NADEAU, J. P. L'industrie laitière: sa situation, ses lois et règlements, son avenir. Québec Lait. 12(3):14-18. Mar.1953. 44.8 Q3

66352 NORSKE MELKEPRODUSENTERS LANDSFORBUND. Beretning [Report of the Norwegian Milk Producers Association], 1952. Oslo,1953. 127 p. 44.9 N817

66353 NORTON, E. M. Prevailing winds. (Condensed) DPMA News 13(7):8-11. Apr.1953. 280.28 D144
Dairy industry.

66354 PIRNER, H. Die errechnung der rohstoffkosten—ein besonderes problem der milchwirtschaftlichen kalkulationen. Deut. Molk.-Ztg. 74:505-509. Apr.17,1953. 44.8 Su2

66355 ROGICK, F. A. Dairy products and their history. (In Portuguese.) Soc. Rur. Bras. Rev. 33(385):38. Feb.1953. 9.2 B733

66356 ROWLING, J. R. Wastage. Milk Indus. 33(10): 42-46. Apr.1953. 44.8 M593

66357 SCHNEITER, F. Zur urgeschichte der milchwirtschaft. III. Österr. Milchwirt. 8:90-91. Apr.7,1953. 44.8 Os72

66358 SCHRODER-ETZDORF, M. Milch zwischen landwirtschaft und industrie. Ubersicht 4:305-308. Apr.1953. 18 Ub3
Germany.

66359 SINHA, S. P. Problems of dairying in Bihar. Indian Dairyman 5:47-48. Mar.1953. 44.8 In282

66360 STØLE, K. Report on the dairy industry in Oslo, Akershus, Buskerud, Østfold and Vestfold Provinces. (In Norwegian.) Meieriposten 42:250-253. Mar.28,1953. 44.8 M47

66361 SWANK, O. Secretary places burden on dairy farmers. Hoosier Farmer 38(5):35. May 1953. 280.82 H76

66362 THOMSEN, L. C. Operating ratios. Milk Plant Mon. 42(4):23-25. Apr.1953. 44.8 C864

66363 TWOMEY, T. P. J. Functional modernism in New Zealand. Milk Dealer 42(7):50-51,70. Apr.1953. 44.8 M595
Milk plants.

66364 WENTWORTH, W. A. Vegetable oils and ice cream. Dairy Foods Rev. 57(5):16,31. May 1953. 286.85 P11

66365 WENTWORTH, W. A. Where are we? Ice Cream Field 61(5):60,62-64,67-68. May 1953. 389.8 Ic23
Situation in the dairy industry.

66366 WHITE, G. L. Progressive dairy industry in the Okanagan Valley. Canad. Dairy & Ice Cream J. 32(4):36-38,84. Apr.1953. 44.8 C162

66367 WIGGINS, F. Changing markets: dairy and poultry products. Canad. Soc. Anim. Prod. Proc. 1952: 41-45. 49.9 Ea72
Chiefly the industries.
Includes discussion.

66368 WINNIGSTEDT, R. Milchwirtschaft und milchleistungsprüfungen. Deut. Molk.-Ztg. 74:569-570. Apr.30,1953. 44.8 Su2

66369 WOLFRUM, O. Neues aus der milchwirtschaft in den USA. I. Österr. Milchwirt. 8:87-90. Apr.7,1953. 44.8 Os72

66370 WOLFRUM, O. Neues aus der milchwirtschaft in den USA. II. Österr. Milchwirt. 8:101-104. Apr.21, 1953. 44.8 Os72

66371 ZAYAS, C. El productor cubano de leche debe tener mayor ayuda oficial. Rev. Ganad. [Habana] 13(4):17-19. Apr.1953. 49 R321

Analysis and Composition

66372 ASCHAFFENBURG, R. A simplified buffer for the rapid milk phosphatase test. Dairy Indus. 18:316-317. Ref. Apr.1953. 44.8 D1427

66373 BASSETT, H. J., and SLATTER, W. L. The heat resistance of some lactobacilli found in Swiss cheese. J. Dairy Sci. 36:409-413. Ref. Apr.1953. 44.8 J822

66374 BUCHHOLZ, Y., and SMITH, I. Zur bestimmung des fettes im molkenkäse. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:245-248. Apr.1953. 384 Z39

66375 BUCHOTTE. Controle bactériologique du lait: reductase & resazurine, essai sur la pratique des epreuves de lactofermentation. Tech. Lait. 9(127):17-21. Apr.15,1953. 44.8 Of2

66376 CHANDA, R. The effect of mastitis on the carotenoids, vitamin A and phosphorus compounds of milk. Biochem. J. 54:68-77. Ref. Apr.1953. 382 B52

66377 DASTUR, N. N., DHARMARAJAN, C. S., and RAO, R. V. Composition of milk of Indian animals. III. Indian J. Vet. Sci. & Anim. Husb. 22:123-133. June 1952,pub.1953. 41.8 In22
Cow and buffalo milk.

66378 FELLOWS, P. V. Ferricyanide test for reducing capacity as a test for sterilized milk. Dairy Indus. 18:309-312. Apr.1953. 44.8 D1427

66379 HAGEN, D. Bakteriologische überwachung der milch in Ludwigsburg. Molk.- u. Käserei-Ztg. 4:469-470. Apr.16,1953. 44.8 M736

66380 HALLANGER, L. E., LAAKSO, J. W., and SCHULTZE, M. O. Orotic acid in milk. J. Biol. Chem. 202:83-89. Ref. May 1953. 381 J824

66381 HARPER, W. J., SWANSON, A. M., and SOMMER, H. H. Observations on the chemical composition of white particles in several lots of Cheddar cheese. J. Dairy Sci. 36:368-372. Ref. Apr.1953. 44.8 J822

66382 HEINEMANN, B. A study of certain techniques used in testing milk by the Babcock test. J. Dairy Sci. 36:450-458. Ref. May 1953. 44.8 J822

66383 JOHNS, C. K., and DESMARAIS, J. G. The effect of residual penicillin in milk on the dye reduction tests for quality. (Abs.) Rev. Canad. de Biol. 11:512. Mar.1953. 442.8 R325
Methylene blue and resazurin reduction tests.

66384 KALOYEREAS, S. A., and CHRISTMAN, N. S. The chemical composition, nutritive value, and a more adequate evaluation of price cost to the consumer, of cheeses found on the American market. La. Acad. Sci. Proc. 15:32-35. 1952. 500 L932

66385 KEENEY, M. Further observations on the butyric acid method for the detection of milk fat adulteration. Ice Cream Trade J. 49(5):30,88. May 1953. 389.8 Ic2

66386 KJOS-HANSSEN, B. Testing consumer milk for mastitis streptococci. (In Norwegian.) Nord. Vetmed. 5(4,sup.):53-56. Apr.1953. 41.8 N813

66387 LEMBKE, A., and KAUFMANN, W. Elektrophoretische untersuchungen an milchproteinen. III. Zum tryptischen kasein-abbau. Kieler Milchwirt. Forschber. 5:173-178. 1953. 44.9 K542
English summary.

66388 MORTON, R. K. Microsomal particles of normal cow's milk. Nature [London] 171:734-735. Ref. Apr.25,1953. 472 N21

66389 MULVANY, J. La prueba de lactofermentación. Chacra 23(269):20. Apr.1953. 9 C34

66390 NASHIF, S. A., and NELSON, F. E. The lipase of Pseudomonas fragi. I-III. J. Dairy Sci. 36:459-488. Ref. May 1953. 44.8 J822

66391 NERI, A. Butter. (In Italian.) Latte 27:203-204. (Cont.) Apr.1953. 44.8 L35
Installment deals with analysis.

66392 QUADRI, P. Milk analyses. (In Italian.) Latte 27:132. Mar.1953. 44.8 L35

66393 RAMOS CORDOVA, M. Nuevo método para la determinación de sólidos totales y sólidos no grasos en leche natural, rehidratada y rellena con grasa vegetal. Ciencia 12:197-198. Dec.15,1952. 475 C48
English summary.

66394 RAMSDELL, G. A., and WHITTIER, E. O. The effect of heat on the albumin and globulin in milk. J. Dairy Sci. 36:437-439. Apr.1953. 44.8 J822

66395 REINBOLD, G. W., HUSSONG, R. V., and NELSON, W. O. The nutrition of Pseudomonas putrefaciens. I. Nitrogen requirements. J. Dairy Sci. 36:414-421. Apr.1953. 44.8 J822

66396 ROEDER, G. Uber die abänderung der Gerberschen fettbestimmungsmethode (milch). (Abs.) Angew. Chem. 65:165. Mar.21,1953. 384 Z33

66397 ROEDER, G. Uber die abänderung der Gerberschen fettbestimmungsmethode. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:270-271. Apr. 1953. 384 Z39
In milk.

66398 SACHSLEHNER, L. Zur bakteriologischen stufenkontrolle im städtischen trinkmilchbetrieb. I. Österr. Milchwirt. 8:83-85. Apr.7,1953. 44.8 Os72

66399 SAGER, O. S., and SANDERS, G. P. B.D.I. detergent test for butterfat. II. Canad. Dairy & Ice Cream J. 32(4):62,70,86. Ref. Apr.1953. 44.8 C162

66400 SCHULZ, M. E., and ROLAND, F. Beitrag zur standardisierung von resazurinpräparaten. Kieler Milchwirt. Forschber. 5:123-133. 1953. 44.9 K542
English summary.

66401 SEELEMANN, M., and BORGER, K. Beitrag zum reduktaseproblem und vorschläge zur praktischen durchführung der reduktaseprobe. Kieler Milchwirt. Forschber. 5:135-150. Ref. 1953. 44.9 K542
English summary.

66402 SUNDMAN, V. On the protein character of a slime produced by Streptococcus cremoris in Finnish ropy sour milk. Acta Chem. Scand. 7:558-560. 1953. 385 Ac82

66403 THOMAS, S. B., THOMAS, B. F., and ELLISON, D. Heat resistant bacteria in raw milk. III. The proliferation of thermoduric organisms on dairy equipment. Soc. Dairy Technol. J. 6:138-144. Ref. Apr. 1953. 44.8 So12

66404 ULRICH, A. Zusammensetzung und wert der biestmilch von kühen. Kontrollangestellte, p. 2-3. In Unser Milchvieh 5(4). Apr.1953. 43.8 Un7

66405 UMBRECHT, J. Die beurteilung von schmelzkäse. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:272. Apr.1953. 384 Z39

66406 ZIMMER, F. Fettgehaltsschwankungen der ablieferungsmilch. Bad. Landwirt. Wchnbl. 120:356. Apr.11,1953. 18 B142

66407 ZWEIG, G., and BLOCK, R. J. The effect of heat treatment on the sulfhydryl groups in skimmilk and nonfat dry milk. J. Dairy Sci. 36:427-436. Ref. Apr.1953. 44.8 J822

Consumption and Utilization

66408 COLES, J. V. Per capita use of dairy foods; consumption of dairy products studied in relation to size of income, age, and number of persons in a family. Calif. Agr. [Calif. Sta.] 7(3):14-15. Mar.1953. 100 C12Cag

66409 MANFRED, O. Entwicklungstendenzen der magermilchverwertung (kaseinveredelung) in den USA. Österr. Milchwirt. 8:91-92. Apr.7,1953. 44.8 Os72

Distribution, Marketing, and Transportation

66410 BELL, D. Wholesale distribution. Soc. Dairy Technol. J. 6:78-84. Apr.1953. 44.8 So12
Includes discussion.
Great Britain.

66411 BOUCK, H. P. Nonfat dry milk domestic sales to all-time high. Milk Plant Mon. 42(5):25-26. May 1953. 44.8 C864

66412 CASAYS, L. Fourniture et approvisionnement en lait pasteurisé certifié. Indus. Lait. (n.s.)79:76-78. Apr.1953. 44.8 In2
France.

66413 CHALMERS, C. H. The milk supply in Scotland. Soc. Dairy Technol. J. 6:114-129. Apr.1953. 44.8 So12

66414 FOLEY, L. K. Let's get behind that milk program. Jersey B. 72:762-763,804-809. May 25,1953. 43.8 J48
Publicity for Jersey milk.

66415 HARGROVE, S. M. The case for three-day-a-week milk delivery. South. Dairy Prod. J. 53(5):51,54-56. May 1953. 44.8 So83

66416 HARTL, H. Auffettung der milch auf 3 % fett und butterverbilligungsaktion zur hebung des butterkonsums. Österr. Milchwirt. 8:93-94. Apr.7,1953. 44.8 Os72

66417 HOERNICKE. Umsatzsteuerliche behandlung der milchfuhrkosten. Molk.- u. Käserei-Ztg. 4:474-475. Apr.16,1953. 44.8 M736

66418 HOLLAND, R. F. Automatic vending and dairy products sales. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 19:62-64. 1952. 44.9 Oh35M

66419 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. Sales index, ice cream and related products. January 1st through December 31st 1952; an analysis of sales in 1952 compared with 1951 for the United States and Canada. Internatl. Assoc. Ice Cream Mfr. Spec. B. 85,64 p. May 1953. 389.9 In83S

66420 JONES, J. B. Economics of milk distribution from farm to dairy. Soc. Dairy Technol. J. 6:72-78. Apr.1953. 44.8 So12
Great Britain.
Discussion, p. 81-84.

66421 KLEINE, H. J. Neues zur frischmilchversorgung. Verbraucher 7:166-167. Apr.4,1953. 280.28 K833
Marketing in Germany.

66422 MAASSEN, J. A new sound: aspect of the tendency to concentration in the cooperative dairy industry. (In Dutch.) Zuivelbereiding en -Handel 59:260-261. Mar.31,1953. 44.8 N282
Netherlands.

66423 MACMILLAN, G. The June set-aside. Holstein-Friesian J. 16(2):15,68. May 1953. 43.8 H743
Contributing to Canadian dairy advertising.

66424 METZDORF, H. J. Die lage am deutschen buttermarkt. Agrarwirtschaft 2:115-118. Apr.1953. 281.8 Ag826

66425 MICHAEL, M. Low cost, high volume delivery with milk automat. Milk Plant Mon. 42(5):33-34,68-69, 79. May 1953. 44.8 C864

66426 MURPHY, F. D. Marketing and merchandising of Cheddar cheese in Canada. Canad. Dairy & Ice Cream J. 32(4):72,74,76,78-79. Apr.1953. 44.8 C162

66427 MUSSER, K. B. Make the checkoff the pay-off. Guernsey Breeders' J. [Peterborough] 88:16. May 1,1953. 43.8 G93
Public relations in the dairy industry.

66428 NEW SOUTH WALES. MILK BOARD. Annual report year ended 30th June, 1952. Sydney,1953. 16 p. 281.3449 N472

66429 OELKER, E. Milchanlieferung und molkereiauszahlungspreis 1950--1952. Hannoversche Land- u. Forstwirt. Ztg. 106:444. Apr.11,1953. 18 H194

66430 PAARLBERG, D. Let's sell milk. Successful Farming 51(5):35,60,62-63. May 1953. 6 Su12

66431 PARMENTIER, P. Organisation juridique des marchés agricoles: le lait et les produits laitiers. Rev. de Lég. Agr. 6:61-63. Mar.1953. 281.8 R325
France.

66432 PROCTER, F. Organisation and economics of retail milk distribution. Soc. Dairy Technol. J. 6:84-97. Ref. Apr.1953. 44.8 So12
Great Britain.
Includes discussion.

66433 SMITH, J. A. Too much milk? Milk marketing committees helped to move the surplus in the depression years. Pa. Farmer 148:526-527. May 23,1953. 6 P383

66434 STRATTON, C. Is Uncle Sam buying too much butter? Cappers' Farmer 64(5):27,94-95. May 1953. 8 M693

66435 TOBLER, E. Die schweizerischen milchproduzentengenossenschaften. Agrarpolit. Rev. 9:337-352. Apr./May 1953. 281.8 Ag824

66436 VOLZ, W. Die förderung des milchverbrauchs, ihre möglichkeiten und grenzen in der freien hansestadt Hamburg. Molk.- u. Käserei-Ztg. 4:406-407. Apr.2, 1953. 44.8 M736

Grading, Inspection, Standardization, and Quality

66437 BATEMAN, G. Q., and others. Toxaphene; transmission studies of milk of dairy cows fed toxaphene-treated hay. J. Agr. & Food Chem. 1:322-324. Ref. May 13,1953. 381 J8223
C. Biddulph, J. R. Harris, D. A. Greenwood, and L. E. Harris, joint authors.

66438 BENTHIEN, A. Better pay for better milk. Nowest. Farm News 36(9):8-9,16. May 4,1953. 275.293 N81
Grading.

66439 CONWAY, J. P. Sixty years of certified milk 1893—1953. South. Dairy Prod. J. 53(5):62,64. May 1953. 44.8 So83

66440 DAMBIS, E. Beitrag zur frage der butterfehler "metallisch" "käsig-sauer" und "malzig." Molk.-Ztg. 7:360-361. (Cont.) Apr.2,1953. 44.8 M735

66441 DAMBIS, E. Beitrag zur frage der butterfehler "metallisch", "käsig-sauer" und "malzig." Molk.-Ztg. 7:393-394. (Cont.) Apr.9,1953. 44.8 M735

66442 DAMBIS, E. Beitrag zur frage der butterfehler "metallisch", "käsig-sauer" und "malzig." Molk.-Ztg. 7:426. (Concl.) Ref. Apr.16,1953. 44.8 M735

66443 DENMARK. STATENS SMØRBEDØMMELSER. Aarsberetning [Annual report of the State Institute for Judging Butter]. København,1952. 34 p. 44.9 D415

66444 DIDIER, A. Campagne du bon lait. Belg. Lait. 7(30):7-9. Mar.1953. 44.8 B412

66445 FARWELL, E. D. Leche de calidad y niños sanos. Holstein Colomb. 6(45):12-13. Nov./Dec.1952. 43.8 H744

66446 FREUDENBERGER, W. Qualitätsmilch und melkmaschine. Melkmaschinendienst, p. 1-2. In Unser Milchvieh 5(4). Apr.1953. 43.8 Un7

66447 GABEL, W. Speiseeis im spiegel ausländischer gesetzgebung. Zucker- u. Süsswaren-Wirt. 6:336. Apr. 20,1953. 286.86 Z8

66448 GODFRAIN, J. C. A propos des variations physiologiques du taux de matière grasse des laits et de la répression des fraudes. Rev. de Méd. Vét. [Toulouse] 103:433-441. July 1952. 41.8 R32

66449 GUILLET, J. Producteurs laitiers—plus que jamais livrez du lait propre et sain. Agr. Creusoise 2(6):15-17. 1952? 14 Ag827

66450 HOERNICKE, L. Standardisierte (eingestellte) milch. Molk.- u. Käserei-Ztg. 4:563-564. May 7,1953. 44.8 M736
Germany.

66451 HORN, M. E. Ist die gewinnung keimarmer milch bei maschinenmelken möglich? Melkmaschinendienst, p. 2-3. In Unser Milchvieh 5(4). Apr.1953. 43.8 Un7

66452 INDIANA. AGRICULTURAL EXPERIMENT STATION. Thirty-eighth annual report, Creamery License Division, for the year ending March 31, 1952. Ind. Agr. Expt. Sta. C. 390,15 p. Nov.1952. 100 In2P

66453 KAY, H. D. Causes of variation in the quality of milk. Austral. Dairy Rev. 21(4):14-16. Apr.1,1953. 44.8 Au73

66454 LANGHARD, O. Das käsequalitätsproblem. Grüne 81:439-441. Apr.17,1953. 17 Sch9

66455 MENNINGER, H. Die qualität der trinkmilch und des joghurts in der Nordrhein-Provinz im spiegel der bakteriologischen untersuchungsergebnisse. Deut. Molk.-Ztg. 74:431-434. (Concl.) Apr.3,1953. 44.8 Su2

66456 MOCQUOT, and others. Les leçons de trois concours de propreté du lait (1950-1951-1952). France. Min. de l'Agr. B. Tech. d'Inform. 77:201-207. Mar.1953. 14 F844B
Michet, Bigorre, and Portmann, joint authors.

66457 MULDER, H. Substancias que dan sabor y aroma a los quesos. Indus. Lech. 35:83-85. (Cont.) Feb. 1953. 44.8 In26

66458 NERI, A. Butter. (In Italian.) Latte 27:143-144. (Cont.) Mar.1953. 44.8 L35
Regulation in Italy.

66459 PETERSEN, N. Neue staatsversuche über silofutter und käsequalität. Molk.-Ztg. 7:375-377. Apr. 2, 1953. 44.8 M735

66460 PRICE, W. V. Briefing milk—standardizing calculations for cheese. Butter, Cheese & Milk Prod. J. 44(5):24-26,68. May 1953. 286.85 B98Bu

66461 RIEDEL, W. Sterilmilch. Deut. Molk.-Ztg. 74: 514-515. (Cont.) Apr.17,1953. 44.8 Su2

66462 ROGICK, F. A. Standardization of milk. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384):28-29. Jan. 1953. 9.2 B733

66463 ROUSSEAU, M. J. Nous voulons aussi du beurre honnête. Tech. Lait. 9(128):7,9. May 1,1953. 44.8 Of2
France.

66464 SONKIN, H. Organizing and carrying through dairy inspection in Finland. (In Norwegian.) Meieriposten 42:341-347. Apr.25,1953. 44.8 M47

66465 STUSSI, D. Beobachtungen und erfahrungen bei der käsereibuttertaxation. Schweiz. Milchztg. 79:235-237. May 1,1953. 44.8 Sch92

66466 TORRE, G. DALLA. A year of bacteriological control of raw and pasteurized milk; results and conclusions. (In Italian.) Latte 27:188-190,193-194. Ref. Apr.1953. 44.8 L35
Italy.

66467 WILSTER, G. H., and JARVIS, K. A. Good flavored milk, a program for producer and processor. Oreg. Agr. Expt. Sta. C. Inform. 525,14 p. Feb.1953. 100 Or3C

Packing and Packaging

66468 DEMETER. Fort mit den milchkannen! Deut. Molk.-Ztg. 74:510-511. Apr.17,1953. 44.8 Su2

66469 GIFFORD, C. W. Bulk milk tanks—dairymen like 'em. Farm J. 77(6):36-37,127. June 1953. 6 F2212

66470 GRANT, H. B. King size cartons. Ice Cream Field 61(5):14-17,20,22. May 1953. 389.8 Ic23

66471 KLOSER, M. Problems in packaging nonfat dry milk solids in small packages. Butter, Cheese & Milk Prod. J. 44(5):27,51-52. May 1953. 286.85 B98Bu

66472 MELNICK, D., LUCKMANN, F. H., and GOODING, C. M. Fate of sorbic acid applied to cheese wrappers. (Abs.) Food Technol. 7(5,sup.):23. May 1953. 389.8 F7398

66473 MOHR, W., JUNGER, R., and WEINERT, E. Prüfung der reinigungswirkung von reinigungsmitteln für die kannenwäsche in automatischen kannenwaschmaschinen. Kieler Milchwirt. Forschber. 5:207-220. 1953. 44.9 K542
English summary.

66474 MOJONNIER, R. W. New methods in handling milk cases. Milk Dealer 42(7):54-55,87-89. Apr.1953. 44.8 M595

66475 NORTH, G. C. Available packaging equipment for nonfat dry milk solids. Butter, Cheese & Milk Prod. J. 44(4):22-23,58. Apr.1953. 286.85 B98Bu

66476 PEDERSEN, A. H. Industrial packaging in U. S. A. of butter and hard types of cheeses for retail sale. (In Danish.) Nord. Mejeri-Tidsskr. 19:51-55. (Cont.) 1953. 44.8 N752

66477 SCHWARZKOPF, V. Can washer operation. South. Dairy Prod. J. 53(5):131-133,140-143. May 1953. 44.8 So83

66478 SMITH, D. P., and ROLLIN, N. Need of the cheese industry for a harmless fungistatic agent and the value of sorbic acid applied to cheese wrappers. (Abs.) Food Technol. 7(5,sup.):23. May 1953. 389.8 F7398

66479 WINTHER, O. Inspection and cleaning of milk cans. (In Danish.) Nord. Vetmed. 5(4,sup.):48-52. Apr. 1953. 41.8 N813

Prices, Price Control, and Rationing

66480 ABELL, M. F. The why of milk price changes. N. H. Agr. Col. Ext. Folder 23,3 p. Mar.1952. 275.29 N452Fo

66481 ANDERSON, D. S. Milk pricing on basis revaluation of solids and fat. South. Dairy Prod. J. 53(5): 114-116. May 1953. 44.8 So83

66482 BARTLETT, R. W. The behavior of marketing margins on dairy products. Milk Dealer 42(8):96,98,100-105. May 1953. 44.8 M595

66483 BARTLETT, R. W. Is a 90 percent parity price for butter desirable for dairy farmers? Ill. Farm Econ. 212/213:1437-1442. Feb./Mar.1953. 275.28 IL5

66484 BONNAL, R. Lait de ramassage et accord sur les prix. Agr. Creusoise 2(6):23-24. 1952? 14 Ag827

66485 GROVES, D. E. What can we do about milk prices? Ohio Farmer 211(9):2-3,39. May 2,1953. 6 Oh3

66486 RIEDEL, P. Ist die milchpreiskalkulation richtig? Molk.- u. Käserei-Ztg. 4:560-562. May 7,1953. 44.8 M736
Germany.

66487 RIPLEY, J. Dairymen get breather on price supports. Skagit Co-op Dairyman 30(9):11,14. May 1953. 280.28 Sk1

Processing and Storage

66488 ALBERTS, R. Research program of the American Butter Institute. Ohio. State U. Abs. Mater. Dairy Technol. Conf. 19:4-5. 1952. 44.9 Oh35M

66489 ANDELA, B. Die herstellung von Romadurkäse im norddeutschen raum. Molk.- u. Käserei-Ztg. 4:528-532. Apr.30,1953. 44.8 M736

66490 ANDERSEN, K. L. Temperature-regulation and thermo-control. I. (In Danish.) Nord. Mejeri-Tidsskr. 19:31-33. 1953. 44.8 N752
Milk pasteurization.

66491 ANDERSEN, K. L. Temperature-regulation and thermo-control. II. (In Danish.) Nord. Mejeri-Tidsskr. 19:57-59. 1953. 44.8 N752
Pasteurization.

66492 ANDERSEN, K. L. Treatment of consumer milk. (In Danish.) Andelsbladet 54:401-402. Apr.23, 1953. 280.28 An2

66493 BAUMANN, E. Rahmsäuerungsversuche für die herstellung von dauerlagerbutter. Deut. Molk.-Ztg. 74(16):inside front cover. Apr.17,1953. 44.8 Su2

66494 BEHMER, M. L. A. Cream production. (In Portuguese.) Soc. Rur. Bras. Rev. 33(385):36. Feb.1953. 9.2 B733

66495 BEHMER, M. L. A. Making butter on the farm. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384):21. Jan. 1953. 9.2 B733

66496 BELLE, G. Une mesure sanitaire qui s'impose: la pasteurisation obligatoire du lait. 2. Terre Marocaine 281:118-122. Apr.1953. 24 T44

66497 BENNETT, F. W. Bacteriophage, a cause of starter failure in Georgia. South. Dairy Prod. J. 53(5): 178-182. May 1953. 44.8 So83

66498 BIEHL, W. J. Processing requirements for canned sterile whole milk. (Abs.) Food Technol. 7(5, sup.):26-27. May 1953. 389.8 F7398

66499 BRANDSAETER, E., STOKKELAND, K., and YSTGAARD, O. M. Vaskeforsøk med platepasteurer. Experiments on cleaning procedures for plate-pasteurizers. Norges Landbrhøgsk. Meierinst. Meld. 45,26 p. Ref. 1952? 44.9 N75
English summary.

66500 BURTON, H., and others. Some investigations into the batch process of milk sterilization. Soc. Dairy Technol. J. 6:98-113. Apr.1953. 44.8 So12
D. N. Akam, C. C. Thiel, E. Grinsted, and L. F. L. Clegg, joint authors.

66501 CIOCCA, G. Gelati, dolci freddi, rinfreschi, bibite refrigeranti, conserve e composte di frutta e l'arte di ben presentarli [Ice cream, frozen confections, refreshments, iced drinks, fruit preserves and compotes and the art of serving them]. Ed. 7. Milano,Hoepli,1952. 253 p. 389.2 C49

66502 COLEMAN, R. D., BISHOV, S. J., and MITCHELL, J. H. Calcium removal from fluid milk by ion exchange. (Abs.) Food Technol. 7(5,sup.):20. May 1953. 389.8 F7398
During the drying process.

66503 CORASH, P. Precautions in bulk handling. Milk Plant Mon. 42(5):19-20,79. May 1953. 44.8 C864
Milk.

66504 COSTA, J. R. DA. Butter manufacture. (In Portuguese.) Coop. Cent. dos Prod. de Leite. B. da C.C.P.L. 6:89-90. Mar.1953. 44.8 B634

66505 DAVIS, R. J. Let's take a look at filled milk. Milk Dealer 42(8):61-62,68,70,72. May 1953. 44.8 M595
Use of milk solids.

66506 ENGLAND, C. W. The manufacture of variegated ice cream. Ice Cream Rev. 36(10):64-65,134-136. May 1953. 389.8 Ic22

66507 ESPOSTI, C. Centrifugal cleaner in milk processing plants. (In Italian.) Latte 27:213. Apr.1953. 44.8 L35
Milk filtration.

66508 GIACOBONI-VERCESI, E. Detergents for the cheese industry and methods for their evaluation. (In Italian.) Latte 27:197-198. Apr.1953. 44.8 L35

66509 GOODWILLIE, D. B. The concentrated milk industry's prospects in 1953. Ontario Milk Prod. 28:289, 294-295. Apr.1953. 44.8 On8
Condensed, evaporated, and dried.

66510 GRAHAM, V. E., and others. Increasing the food value of whey by yeast fermentation. I-III. Canad. J. Technol. 31:85-97,109-113. Ref. Apr./May 1953. 470 C16F
I, by V. E. Graham, D. L. Gibson, H. W. Klemmer, and J. M. Naylor; II, by V. F. Graham, D. L. Gibson, and H. W. Klemmer; III, by V. E. Graham, D. L. Gibson, and W. C. Lawton.

66511 GRANATA, G. Parmesan and formalin. (In Italian.) Latte 27:207-208. Apr.1953. 44.8 L35
Treatment of milk for cheese manufacture.

66512 GRUMER, W. Wie können wir käsereistörungen begegnen? Deut. Molk.-Ztg. 74(14):inside front cover. Apr.2,1953. 44.8 Su2

66513 GUERIN. Le bon beurre est toujours recherché—fermières faites du bon beurre. Agr. Creusoise 2(6):18-19. 1952? 14 Ag827

66514 HANSEN, S. Ø. Treatment of cream and butter manufacture. (In Norwegian.) Meieriposten 14:271-275. Apr.4,1953. 44.8 M47

66515 HECHT, F. Wege zu einer einwandfreien trinkmilch. Molk.- u. Käserei-Ztg. 4:468-469. Apr.16, 1953. 44.8 M736
Dairy sanitation.

66516 HIGGINBOTTOM, C. Cooling milk on the farm. Scot. Agr. 32:192-195. Spring 1953. 10 Sco82So

66517 HIRSCHMANN, R. Filter oder zentrifuge zur reinigung der milch? (Extr.) Süddeut. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 2:41-44. Ref. 1951/52. 44.9 W42

66518 HODES, H. P. Clean-in-place pipelines. Butter, Cheese & Milk Prod. J. 44(4):24-26,36-38. Apr. 1953. 286.85 B98Bu

66519 HOLLAND, R. F., and others. Cleaning stainless lines in place. Food Engin. 25(5):75-78. May 1953. 389.8 F737
J. D. Shaul, D. A. Theokas, and H. M. Windlan, joint authors.
In milk plants.

66520 IRVINE, D. M., and PRICE, W. V. U.S. patents in the cheese industry. Butter, Cheese & Milk Prod. J. 44(4):28-29,42-44. Apr.1953. 286.85 B98Bu

66521 JOHNSON, P. E., and OLSON, H. C. Studies in the manufacture of a concentrated ice cream mix. Okla. Agr. Expt. Sta. Manuscript. Rpt. Abs. 8,2 p. Apr.1953. 100 Ok4Ma

66522 JUDKINS, H. F. Let's look at the equipment picture. (Extr.) South. Dairy Prod. J. 53(5):25-27,30-32, 51,54-56. May 1953. 44.8 So83

66523 KLAPMEIER, E. W. Trends in the production and sale of milk powder in U.S.A. (Sum.) Austral. Dairy Rev. 21(4):17. Apr.1,1953. 44.8 Au73

66524 KOTTÁSZ, J. Kontrolle der bei der eisbereitung erfolgenden volumenzunahme. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:251-252. Apr.1953. 384 Z39

66525 LANG, O. Milchkühlung auf dem bauernhof. Allgäuer Bauernbl. 21:255. Apr.16,1953. 18 AL53

66526 LUNDSTEDT, E. Manufacture of cream and Neufchatel cheeses. Milk Dealer 42(8):65-66,129-134, 136. May 1953. 44.8 M595

66527 MCINTIRE, C. E. Vacuum pasteurization. Milk Plant Mon. 42(5):39-40,42. May 1953. 44.8 C864

66528 MEISER, J. A., LUCAS, P. S., and KEARNEY, J. W. Composition control of ice cream. (Extr.) South. Dairy Prod. J. 53(5):164-167,172,174. May 1953. 44.8 So83

66529 MERISH, F. Modernize with machinery. Milk Plant Mon. 42(5):30-31. May 1953. 44.8 C864

66530 MINUT, J. Conviene, mejora o se debe pasteurizar la leche para elaborar quesos? Indus. Lech. 35:64-67. (Cont.) Feb.1953. 44.8 In26

66531 MOHR. Das reinigungsproblem in der milchwirtschaft. Molk.-Ztg. 7:458. Apr.23,1953. 44.8 M735

66532 MOHR. Zur diskussion über den walzenlosen butterfertiger. Molk.- u. Käserei-Ztg. 4:433-438. Apr.9, 1953. 44.8 M736

66533 MOHR, W. Homogenisierung und sterilisierung der milch. Deut. Molk.-Ztg. 74(17):inside front cover. Apr.24,1953. 44.8 Su2

66534 MOHR, W., and MOHR, E. Oberflächen- und grenzflächen-spannung von reinigungsmittel-lösungen. Kieler Milchwirt. Forschber. 5:163-172. 1953. 44.9 K542
English summary.

66535 NELSON, J. A. How to prevent off-flavors in milk. Milk Plant Mon. 42(4):42,46,48. Apr.1953. 44.8 C864

66536 NELSON, J. A. Making butter that will meet consumer demand. Butter, Cheese & Milk Prod. J. 44(5):34-35,42-43. May 1953. 286.85 B98Bu

66537 NILSSON, A. Some observations on the use of water for cooling in milk plants. (In Swedish.) Nord. Vetmed. 5(4,sup.):57-62. Apr.1953. 41.8 N813

66538 PLOCK, K., and others. Bericht über die vollprüfung und technische zusatzbegutachtung des einstromplatten-hocherhitzers P 11 der Fa. Bergedorfer Eisenwerk AG., Hamburg-Bergedorf. Kieler Milchwirt. Forschber. 5:221-251. 1953. 44.9 K542
G. Wälzholz, A. Lembke, M. Seelemann, and M. Schulz, joint authors.
English summary.

66539 QUEENSLAND. DEPT. OF AGRICULTURE. DIV. OF DAIRYING. Cottage cheese. Queensland Agr. J. 76:38-40. Jan.1953. 23 Q33
Manufacture.

66540 RAY, G. Préparation de la crème fouettée. Indus. Agr. et Aliment. 70:219-222. Mar.1953. 383 As7
English summary.

66541 RIEDEL, W. Sterilmilch. Deut. Molk.-Ztg. 74:436-437. (Cont.) Apr.3,1953. 44.8 Su2

66542 RUTERS, P. Die erwärmung der milch im plattenerhitzer. Molk.- u. Käserei-Ztg. 4:408-410. Apr. 2,1953. 44.8 M736

66543 SACHSLEHNER, L. Zur bakteriologischen stufenkontrolle im städtischen trinkmilchbetrieb. II. Österr. Milchwirt. 8:99-101. Apr.21,1953. 44.8 Os72

66544 SADEK, G. M., and HASSAN, A. A. A study on the effect of salt as an inhibitor of gas formation in Damietta cheese. Dairy Indus. 18:313-315. Apr.1953. 44.8 D1427

66545 SCHEINER, A. Untersuchungen zur güteverbesserung der milch. Hannoversche Land- u. Forstwirt. Ztg. 106:443. Apr.11,1953. 18 H194
Sanitary procedures.

66546 SCHULZ, M. E., and SYDOW, G. Kohlensäureimprägnierung von sauermilcherzeugnissen. Molk.- u. Käserei-Ztg. 4:438-439. Apr.9,1953. 44.8 M736

66547 SCHULZ, W. G. Nuevo método para preservación de la leche. Res 20:27605-27606. Dec.5,1952. 286.85 R31
Whole canned milk.

66548 SEELEMANN. Richtlinien für die reinigung und desinfektion der milchgeräte auf dem bauernhofe. Deut. Landwirt.-Gesell. Mitt. 18:429-430. Apr.30,1953. 18 N39

66549 STINE, C. M., and PATTON, S. Preparation of milk fat. III. Properties of butteroils prepared by the use of surface active agents. J. Dairy Sci. 36:516-519. May 1953. 44.8 J822

66550 STONE, W. K., CONLEY, T. F., and MCINTIRE, J. M. Influence of lipids on self-dispersion and on ease of dispersibility of whole milk powder. (Abs.) Food Technol. 7(5,sup.):20. May 1953. 389.8 F7398

66551 STUBER, O. Die milchuntersuchungsstelle Rotholz, ein rückblick und ausblick. Osterr. Milchwirt. 8:72-74. Mar.21,1953. 44.8 Os72

66552 SUDHOLT, H., and HESSELMANN, F. Bessere milchkühlung—besserer milchpreis. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:701-702. Apr.23,1953. 18 L2346

66553 THOMAS, S. B. Temperature of milk at farm and creamery. Soc. Dairy Technol. J. 6:144-146. Apr.1953. 44.8 So12
Cooling.

66554 THOMSEN, H. Aus der milchwirtschaftlichen forschung. Molk.-Ztg. 7:395-396. Apr.9,1953. 44.8 M735

66555 THOMSEN, H. Ueber den nachweis und die regelung einer ordnungsmässigen milcherhitzung. Molk.-Ztg. 7:402. (Cont.) Apr.9,1953. 44.8 M735
Germany.

66556 THURSTON, S. Milk powder rescues fluid milk in 1952. Canad. Food Indus. 24(5):39. May 1953. 286.83 C166

66557 TIMM, W. Der versuch mit einem gemeinschaftsmelkstand. Deut. Landwirt.-Gesell. Mitt. 68:399-402. Apr.23,1953. 18 N39

66558 TOBIAS, J., HERREID, E. O., and ORDAL, Z. J. A study of milk pasteurization at high temperature. J. Dairy Sci. 36:356-362. Ref. Apr.1953. 44.8 J822

66559 TORGERSON, T. Optimum cheesemaking assured by air units. Food Engin. 25(5):129,137,139. May 1953. 389.8 F737

66560 VITORIA, J. C. La elaboración de cuajo líquido. Res 20:27132-27134. July 5,1952. 286.85 R31

66561 WEINSTEIN, B. R., and SCOTT, E. C. Protein concentrates in soft ice milk. Milk Plant Mon. 42(5):15-16,64,66. May 1953. 44.8 C864

66562 ZEILER, K. Neuartige abfüll- und pressvorrichtungen für die käsebereitung. Süddeut. Vers.- u. Forschanst. f. Milchwirt. Arb. u. Ber. 2:5-26. 1951/52. 44.9 W42

66563 ZEILINGER, A. Weihenstephan und Wangen, traditionelle stätten der forschung und der fachbildung. Osterr. Milchwirt. 8:74-76. Mar.21,1953. 44.8 Os72

Statistics

66564 QUEENSLAND. DEPT. OF AGRICULTURE. DIV. OF DAIRYING. Queensland butter production, 1951-52. Queensland Agr. J. 76:14-18. Jan.1953. 23 Q33
Statistics.

66565 QUEENSLAND. DEPT. OF AGRICULTURE. DIV. OF DAIRYING. Queensland cheese production, 1951-52. Queensland Agr. J. 76:11-13. Jan.1953. 23 Q33
Statistics.

FEED AND FORAGE CROPS

66566 AHRER. ERP-futterbauaktion 1953. Bauer 6(16):13. Apr.18,1953. 19 B32
Austria.

66567 ALMQUIST, H. J., and MAURER, S. A method for study of the effects of heat on the nutritive value of soybean oil meal. Poultry Sci. 32:549-550. May 1953. 47.8 Am33P

66568 ARCHIBALD, J. G. Sugar and acids in grass silage. J. Dairy Sci. 36:385-390. Apr.1953. 44.8 J822

66569 BETHKE, R. M. Industry problems affecting the maintenance of nutritional quality in formula foods. Grain & Feed Rev. 42(6):22-23. Feb.1953. 280.28 G78

66570 BOOTH, R. C. A new climate. Grain & Feed Rev. 42(6):20-21,51-52. Feb.1953. 280.28 G78

66571 BROWN, F. The tocopherol content of farm feeding-stuffs. J. Sci. Food & Agr. 4:161-165. Ref. Apr. 1953. 382 So12

66572 COOLEY, M. L. Equipment feed millers need for quality control of micro-ingredients in feed. Amer. Miller & Processor 82(4):43,46,48. Apr.1953. 298.8 Am32

66573 COOLEY, M. L. Equipment for quality control of minute or micro ingredients. Grain & Feed Rev. 42 (8):18-19,55. Apr.1953. 280.28 G78
Feed.

66574 CRAY, C. L. Distillers dried solubles in fish hatchery foods. Feedstuffs 25(18):44-45. May 2, 1953. 286.81 F322

66575 CUNNINGHAM, L. C. Is there feed enough for all? Amer. Egg & Poultry Rev. 15(4):14-15. Apr.1953. 47.8 Am38

66576 DEBECZE, G. I. Determination of riboflavin in distillers dried feeds. Distillers Feed Conf. Proc. 8: 23-32. Ref. 1953. 389.79 C765

66577 DISTILLERS FEED RESEARCH COUNCIL. Proceedings, eighth Distillers Feed Conference, March 17, 1953, Hotel Sinton, Cincinnati, Ohio. Cincinnati,1953. 82 p. 389.79 C765

66578 DOYLE, B. K. Molasses in mixed feeds. Flour & Feed 53(12):24. May 1953. 298.8 F66

66579 EGGITT, P. W. R., and WARD, L. D. The estimation of vitamin-E activity by paper chromatography. J. Sci. Food & Agr. 4:176-179. Apr.1953. 382 So12
Feed analysis.

66580 GLATHE, H. Selbsterwärmung und lagerungsdichte im heu. Württemb. Wchnbl. f. Landwirt. 120:490-491. May 9,1953. 18 W96

66581 GLENNON, W. E. From the feed front. Distillers Feed Conf. Proc. 8:5-9. 1953. 389.79 C765
Outlook.

66582 GUSTOFF, F., and RASMUSSEN, R. A. Referee methods for determination of moisture and fat on distillers feeds. Distillers Feed Conf. Proc. 8:14-22. 1953. 389.79 C765

66583 KARON, M. L., ADAMS, M. E., and ALTSCHUL, A. M. Cottonseed meal extracts; electrophoretic patterns of buffer extracts of different nutritive value. J. Agr. & Food Chem. 1:314-318. Ref. May 13,1953. 381 J8223

66584 KENNEDY, W. K., and ALLRED, K. R. Are silage preservatives good buys? Farm Res. [N. Y. Sta.] 19(2):11. Apr.1953. 100 N48A

66585 KENNEDY, W. K., and SCHENK, R. U. Hay and grain preservatives not reliable. Farm Res. [N. Y. Sta.] 19(2):10. Apr.1953. 100 N48A

66586 KLUNGSOYR, M., BOGE, G., and SPARRE, T. Drying and quality of the meal. (In Norwegian.) Sildoljeog Sildemelindus. Forskinst. Meld. fra SSF 2:22-30. Mar. 1953. 414.9 B45M
English summary, p. 38-39.
Of herring meal.

66587 LEGGE, T. Grass drying at a loss. Farmers Wk. [London] 38(17):61-62. Apr.24,1953. 10 F2226
Costs.

66588 MISSISSIPPI. DEPT. OF AGRICULTURE. Report of analyses of commercial feeds and cottonseed meal August 1, 1951—July 31, 1952. State College,1953. 144 p. 2 M694

66589 MUNZBERG, H. DLG-kraftfutter-standards 1953/54. Deut. Landwirt.-Gesell. Mitt. 18:434-437. Apr.30,1953. 18 N39

66590 MURRAY, P. C. Feed mill engineering. Flour & Feed 53(12):14. May 1953. 298.8 F66

66591 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. Handleiding tot het nemen van praktijkmonsters voor het ruwvoederonderzoek: uitgave voor het seizoen 1952-1953 [Guide for the taking of test samples in raw fodder research; results for the season 1952-1953]. 's-Gravenhage,1952. 31 p. 12 N384

66592 NEUMER, J. F., and DUGAN, L. R. A new method for measuring the development of rancidity. Food Technol. 7:191-194. May 1953. 389.8 F7398
In dog foods containing fat.

66593 NEUMER, J. F., and DUGAN, L. R. The use of antioxidants in dry dog food. Food Technol. 7:189-191. May 1953. 389.8 F7398

66594 PALOHEIMO, L. Some persistent misconceptions concerning the crude fibre and the nitrogen-free extract. Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk. 25:16-22. Ref. 1953. 20 Su7M
In feed.

66595 POLHEIM, P. VON., and KUMMER, H. Die künstlich ermittelte verdaulichkeit des rohproteins von nordbadischem wiesenheu im vergleich zu den verdauungskoeffizienten der futterwerttabellen. Arch. f. Tierernahr. 3:40-47. July/Aug.1952. 389.78 Ar22

66596 PRITCHARD, H., and WRAIGE, D. R. The itamin-B group in white fish meal. J. Sci. Food & Agr. 4:172-176. Ref. Apr.1953. 382 So12

66597 RUSSELL, R. The future of marine by products. Fish Meal & Oil Indus. Internatl. Ybk. 1953: 10-16. 414.8 F526
Fish meal feeds included.

66598 SCHUTTAUF, W. Volkswirtschaftliche grundfragen der futtermittelmärkte. Futter u. Fütterung 29:224-225. Apr.1953. 389.78 F98
Germany.

66599 SEIFERT, M. Das schroten von futtergetreide. Muhle 90:248. Apr.30,1953. 298.8 M89

66600 STEIGERWALD, E. Mähweideheu—wiesenheu; ein vergleich an hand der proben des DLG-Bundes-heuwettbewerbs 1952. Deut. Landwirt.-Gesell. Mitt. 68:357. Apr.9,1953. 18 N39

66601 VAN ROOYEN, J. H., and ALEXANDER, J. Old thatch into sweet feed. Straight Furrow 11(6):3,5. Apr.1,1953. 281.8 St8
Ritter fermentation process.

66602 WAITE, R., and BOYD, J. The water-soluble carbohydrates of grasses. I. Changes occurring during the normal life-cycle. J. Sci. Food & Agr. 4:197-204. Ref. Apr.1953. 382 So12

66603 WASCHER, E. C. A look at feed machinery today. Feedstuffs 25(21):20,22-23,49-51. May 23,1953. 286.81 F322

66604 ZELLER, Z. C. Feed production and handling efficiency. Grain & Feed J. Consolidated 110(9):32-35. May 13,1953. 298.8 G762

66605 ZELLER, Z. C. A feed-production engineer discusses production and handling efficiency. Amer. Miller & Processor 82(5):50-51,77. May 1953. 298.8 Am32

FIBERS AND TEXTILES

66606 ARA, F. DALL'. Statutes of the Prato wool workers. (In Italian.) Laniera 66:1005,1007,1009,1011, 1013,1015,1017,1019,1021. Dec.1952. 45.8 B63
Historical.

66607 ARITA, E. Cotton industry in U.S.S.R. (In Japanese.) Mon. Rpt. Jap. Cotton Spinning Indus. 76:16-29. Apr.1953. 304.9 J27M

66608 ATEN, A., FAUNCE, A. D., and RAY, L. R. Equipment for the ginning of cotton. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 25,47 p. Mar.1953. 281.9 F733

66609 BAYES, A. W. Some practical considerations of cotton spinning. Textile Wk. 51:1179-1180. May 1, 1953. 304.8 T3127

66610 BEEK, H. VAN. Fünfzig jahre chemiefasern. Melliand Textilber. 34:97-99,169-170. Feb.-Mar.1953. 304.8 T312
English summary.
Includes rayon.

66611 BERZAGHI, M. N. Impurities on raw cotton. (In Portuguese.) Rev. dos Mercados 4(30):13-14. Feb. 1953. 286.8 R328

66612 BHUIYAN, N. H., and KHUNDKAR, M. H. Xylose from jute stalks. Cur. Sci. 22:78-79. Mar.1953. 475 Sci23

66613 BLAKE, R. W. Wool and its competitors. Foreign Trade 13(333):7-8. May 16,1953. 286.8 C162
Australia.

66614 BLUMCKE, A. Stand der sisalerzeugung. Melliand Textilber. 34:103-104. Feb.1953. 304.8 T312
English summary.

66615 BOSE, R. K. Study of polygalacturonase activity of jute-retting fungi by paper chromatography. Sci. & Cult. 18:394-395. Feb.1953. 475 Sci24

66616 BRANDENBURGER, H. Neuere untersuchungen an viskose-zellwollen. Melliand Textilber. 34:264-266, 405-406. Ref. Apr.-May 1953. 304.8 T312
English summary.

66617 BRITISH COTTON GROWING ASSOCIATION. Forty-eighth annual report and statement of accounts for the twelve months ended December 31st, 1952. Altrincham,1953. 30 p. 72.9 B77P

66618 BROWN, C. H. Strength. Egypt. Cotton Gaz. 18:33-37. Jan.1953. 72.8 Eg9
New cotton varieties of extra fiber strength.

66619 BROWN, H. M. Electrostatic processing methods are still in the exploratory stage. (Sum.) Textile World 103(5):133. May 1953. 304.8 T315

66620 BUISMAN, K. Erfahrungen beim öffnen von zellwolle. Melliand Textilber. 34:180-183. Mar.1953. 304.8 T312
English summary.

66621 CALDWELL, S. A. G. Management and maintenance of flax preparing machinery. Textile Mfr. 79(940):185-187. Apr.1953. 304.8 T3126

66622 CHEVALLARD, A. Special wools. (In Italian.) Mondo Tessile 8(2):45-49. Feb.1953. 304.8 M742
Wool from animals other than sheep.

66623 COLE, L. U. Lint cleaning. Cil Mill Gaz. 57 (10):30. Apr.1953. 307.8 Oi53

66624 COLLIER, J. A. Expanded markets and profitable farming through practical application of research findings basic to low unit cost of production, high quality products, and efficient marketing of good cotton. Cotton Spinner-Breeder Conf. [Proc.] 9:15-16. 1952. 72.9 C765

66625 COTTON Research Clinic; new machines dominated opening and picking sections. Textile World 103(5):128-129,131,206,208,210,212,214,216,218. May 1953. 304.8 T315
Report of sessions on cotton processing of the Cotton Research Clinic held in Savannah, Georgia, sponsored by the National Cotton Council.

66626 COUCHMAN, J. F. The relation of the water-soluble materials to the spinning quality of flax fibre. Austral. J. Appl. Sci. 4:118-135. Ref. Mar.1953. 475 Au74

66627 CRAWFORD, A. M. Flexible support prices to allow efficient American farmer to compete. Cotton Digest 25(34):20-21,52. May 2,1953. 286.82 C822
Cotton outlook.

66628 DABBOUS, R. The statistical position of Egyptian cotton at 31st December 1952. Egypt. Cotton Gaz. 18: 73-85. Jan.1953. 72.8 Eg9
Statistical tables, p. 86-146.

66629 DAKIN, G. New Shirley opener removes 66 % trash at 2% lint loss. (Sum.) Textile World 103(5):128-129,212,214,216,218. May 1953. 304.8 T315

66630 DANTAS, G. Reduction of world cotton crops. (In Portuguese.) Rev. dos Mercados 4(31):65. Mar.1953. 286.8 R328

66631 DAVIS, J. H. We must keep agriculture prosperous. Grain Prod. News 5(8):13-17. Apr.1953. 286.81 G764
With reference to the cotton industry.

66632 DAVIS, S. P., and GABBARD, L. P. Quality-price relationships of graded and ungraded wool, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1572,4 p. Apr.17,1953. 100 T31P

66633 DAY, D. D. Today's modern ginning. Oil Mill Gaz. 57(10):30-32. Apr.1953. 307.8 Oi53

66634 DENIS, R. A. Die ramie. I. Pflanze, stengel, faser. Melliand Textilber. 34:399-401. May 1953. 304.8 T312
English summary.

66635 DEO, K. G. A device for quick determination of ginning percentage. Indian Cotton Growing Rev. 7:38-47. Jan.1953. 72.8 In2

66636 DEPAGTER, J. G. Conversion of sericea pulp into chemical derivatives. (Abs.) Ark. Acad. Sci. Proc. 5:12-13. 1952. 500 Ar42
For fibers.

66637 DUNN, R. P. Cotton in the Middle East. Egypt. Cotton Gaz. 18:21-25. Jan.1953. 72.8 Eg9

66638 FARGHER, R. G. The occurrence and prevention of the biological attack of cellulose textile fibres. (Sum.) Biochem. J. 54:iv. Apr.1953. 382 B52

66639 FEDERACÃO NACIONAL DOS INDUSTRIAIS DE LANIFICIOS. Report and accounts, 1952. (In Portuguese.) Lanificios 4:80-105. Mar.1953. 45.8 L26

66640 FRANCE. DIRECTION DE LA DOCUMENTATION. L'industrie textile aux Etats-Unis. France. Dir. de la Doc. Notes et Etudes Doc. 1732,60 p. Apr.25,1953. 280.9 F843
Includes discussion of the cotton and wool industries.

66641 GADBERRY, H. M. Mildew proofing of canvas products. Natl. Canvas Goods Mfr. Rev. 28(12):50,52,54-57. May 1953. 304.8 N213

66642 GAPP, K. Aus Japans seiden- und chemiefaser-industrie. Melliand Textilber. 34:229-230. Mar. 1953. 304.8 T312
English summary.

66643 GATTI, G. Italian wools of the 1952 shearing. (In Italian.) Laniera 66:747,749,751. Sept.1952. 45.8 B63

66644 GERSBACK, W. H. The buyers speak. (Extr.) Wolboer 6(9):26-27. Apr.1953. 45.8 W83

66645 GILES, W. L. Evaluating improved varieties from the standpoint of the producer and user. Cotton Spinner-Breeder Conf. [Proc.] 9:11-12. 1952. 72.9 C765

66646 GOPALAN, K. The coir industry—its present position. Indian Coconut J. 5:179-183. July/Sept.1952. 77.8 In2

66647 GOSHAWK, E. R. The application of research to the spinning industry. Textile Wk. 51:1030,1032,1034, 1036. Apr.17,1953. 304.8 T3127

66648 GOTZE, K., BRASSELER, W., and HILGERS, F. Uber die elektrostatische aufladung von textilfasern und ihre verhütung. Melliand Textilber. 34:141-142,220-222,349-350,451-452. (Cont.) Feb.-May 1953. 304.8 T312
English summary.

66649 GREATHOUSE, G. A. Biosynthesis of C^{14}-specifically labeled cotton cellulose. Science 117:553-554. Ref. May 22,1953. 470 Sci2

66650 HAIGH, H., and NEWTON, B. A. The wools of Britain. London,Pitman,1952. 78 p. 45 H123
The industry.

66651 HESS, K. Uber neue erkenntnisse bei der xanthogenierung von cellulosefasern. Reyon, Zellwolle u. Andere Chemfasern 4:191-201. Apr.1953. 304.8 J45

66652 HOF, C. G. Aufbereitungsverfahren für kenaf. Melliand Textilber. 34:263. Apr.1953. 304.8 T312
English summary.

66653 HUNTER, W. A. New British machines said to improve opening and blending. (Sum.) Textile World 103(5):131,210. May 1953. 304.8 T315
Cotton.

66654 HUSSAIN, A. M. Study of the irregularity of the products of cotton spinning. Indian Textile J. 63:396-398. Mar.1953. 304.8 In2

66655 INDIAN CENTRAL COTTON COMMITTEE. TECHNOLOGICAL LABORATORY. Annual report for the year ending 31st May 1952. Bombay,1952. 41 p. 72.9 In2332An

66656 INOUE, K. Unreserved talks of cotton industry. VIII. (In Japanese.) Mon. Rpt. Jap. Cotton Spinning Indus. 75:9-11. Mar.1953. 304.9 J27M

66657 INOUE, K. Unreserved talks of cotton industry. IX. (In Japanese.) Mon. Rpt. Jap. Cotton Spinning Indus. 76:8-15. Apr.1953. 304.9 J27M

66658 INTERNATIONAL COTTON TEXTILE INDUSTRY CONFERENCE, LONDON, 1952. [Proceedings]. Manchester,Eng.,Cotton Bd.,1952. 138 p. 304.9 In86

66659 ISTITUTO COTONIERO ITALIANO, MILAN. Dizionarietto, inglese-italiano, italiano-inglese dei termini tecnici e commerciali di uso più comune nell 'industria cotoniera [Small dictionary, English-Italian, Italian-English of the technical and commercial terms most used in the cotton industry]. Milan?1952. 77 p. 209 It1

66660 JACKSON, S. G. Should moisture be restored at the gin? Gin & Oil Mill Digest 1(3):10,20. Apr.1953. 72.8 G433

66661 JAPAN'S cotton industry. Oriental Econ. 21: 180-184. Apr.1953. 280.8 Or4

66662 JONES, R. M., and CURLEY, R. S. New opener and new picker section coming from Saco-Lowell. (Sum.) Textile World 103(5):129,208,210. May 1953. 304.8 T315

66663 JOVI, G. Aspects and problems of hemp culture. (In Italian.) Mercanzia 8(2/3):21-24. Feb./Mar. 1953. 287 B635
The industry in Italy.

66664 KIDD, E. Some practical considerations of cotton spinning. Textile Wk. 51:1112,1114,1116,1119-1120,1122. Apr.24,1953. 304.8 T3127

66665 KLAR, R., and MOOG, M. Neue maschine zur entholzung von bastfaserpflanzen. Melliand Textilber. 34:425-426. May 1953. 304.8 T312
English summary.

66666 KORNREICH, E. Introduction to fibres and fabrics: their manufacture and properties. London,Natl. Trade Press,1952. 193 p. 304 K843

66667 KORRICK, F. C. N.Z. sheep in a land of loneliness. New Zeal. Farmer 74(3):6-7. Apr.9,1953. 23 N484
The wool industry.

66668 KREBS, G. Kenaf-entholzung. Melliand Textilber. 34:407-409. May 1953. 304.8 T312
English summary.

66669 KROESE, W. T. The cotton industry of continental Western Europe and the future of the world market for cotton piece goods. Internatl. Cotton Textile Indus. Conf. [Proc.] 1952:60-75. 304.9 In86

66670 KUNDU, B. C. Quality of Indian jute. Jute B. 15:450-462,467. Feb.1953. 73.38 In2

66671 LANDSTREET, C. B., and EWALD, P. R. Double-trumpet spinning and its effect on yarn strength. Textile Indus. 117(5):114-117. May 1953. 304.8 C823

66672 LATHROP, E. C. The characteristics of pulp fibers from agricultural residues. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3: 143-154. Dec.1952. 99.9 F73Fa

66673 LIPSCOMB, E. Promoting cotton. Internatl. Cotton Textile Indus. Conf. [Proc.] 1952:95-102. 304.9 In86

66674 LIVINGSTON, L. F. Better things for better living. Chemurg. Digest 12(4):11. Apr.1953. 381 N213Na
Rayon and other synthetic fibers.

66675 LOHANI, B. K., and BISWAS, B. Examination of the bast fibre from Helicteres isora, Linn. Textile Mfr. 79(940):180-183. Ref. Apr.1953. 304.8 T3126
Study as a jute substitute.

66676 LOMBARDI, R. Developments and problems in the 75 years of the Wool Association. (In Italian.) Lanlera 66:359,361,363,365,367,369,371. May 1952. 45.8 B63

66677 MACTAGGART, I. C. Improving the wool clip. Scot. Agr. 32:190-192. Spring 1953. 10 Sco82So

66678 MAFERA, F. Let us protect the flocks of our pastures. (In Italian.) Mondo Tessile 8(2):43-44. Feb. 1953. 304.8 M742
Wool policy in Italy.

66679 MANOGUE, B., and ELLIOTT, R. L. An electron microscope examination of wool. Soc. Dyers & Colour, J. 69:113-114. Ref. Apr.1953. 306.9 So1

66680 MARTON. Dundee, the jute city. (In Italian.) Cron. Econ. 122:19-21. Feb.1953. 280.8 C882

66681 MERCER, E. H. Modification of the surface of wool fibres produced by chemical treatments: an electron-microscope study. Austral. J. Appl. Sci. 4:107-117. Ref. Mar.1953. 475 Au74

66682 MONCRIEFF, R. W. Artificial fibres. Discovery 14:127-129. (Cont.) Apr.1953. 472 D63

66683 MONCUR. Steady disappearance of certain sacking markets feared; extension of jute's possible uses. Jute B. 15:473-483. Feb.1953. 73.38 In2

66684 MONTGOMERY, R. A. Some considerations in appraising gin services and costs. Cotton Gin & Oil Mill Press 54(9):18-19,50,54. Apr.25,1953. 304.8 C822

66685 MOORE, A. T. Stains for the primary wall of the cotton fiber. Stain Technol. 28:149-154. Ref. May 1953. 442.8 St1

66686 MURAYAMA, T. History of the world cotton industry. XVI. (In Japanese.) Mon. Rpt. Jap. Cotton Spinning Indus. 75:2-8. Mar.1953. 304.9 J27M

66687 MURAYAMA, T. History of the world cotton industry. XVII. (In Japanese.) Mon. Rpt. Jap. Cotton Spinning Indus. 76:2-6. Apr.1953. 304.9 J27M

66688 MURAYAMA, T. The Japanese cotton industry in 1952. (In Italian.) Riv. dell'Indus. Tessile Coton. 7:200-202. Apr.1953. 286.3729 Is7N

66689 NANJUNDAYYA, C. Staple length of cotton. Indian Cotton Growing Rev. 7:12-30. Jan.1953. 72.8 In2

66690 NANJUNDAYYA, C. Variation in weight per unit length along the length of a cotton fibre and its effect on the determination of other fibre properties. Indian Cent. Cotton Comt. Technol. Lab. Technol. B. Ser. B 47, 13 p. Feb.1952. 72.9 In2332B

66691 NARAYAN, M. L. Spinning technique of a self-acting mule. Indian Textile J. 63:390-392. Mar.1953. 304.8 In2

66692 NATIONAL COTTON COUNCIL OF AMERICA. Cotton in South America; production, marketing, consumption, and developments in the textile industry, by F. D. Barlow. Washington,1952. 300 p. 72 N217So

66693 NATIONAL WOOL GROWERS ASSOCIATION. Why the future of the sheep industry depends on adequate tariff protection. Natl. Wool Grower 43(5):5-9. May 1953. 45.8 N21N
Allied Wool Industry Committee, cooperating.
Statement presented by J. M. Jones.

66694 NEALE, P. E., and MCFADDEN, W. D. A comparison of relative values of fine ram and ewe wool. N. Mex. Agr. Expt. Sta. Press B. 1082,5 p. Apr.1953. 100 N465

66695 NEALE, P. E., and MCFADDEN, W. D. Processing of off-sorts and low quality, high shrinking wools. N. Mex. Agr. Expt. Sta. Press B. 1084,3 p. Apr. 1953. 100 N465
Costs and returns.

66696 NEW ORLEANS COTTON EXCHANGE. 82nd annual report. New Orleans,1952. 31 p. 287 N47

66697 NEWELL, W. A. Survey analyzes mill experiences with speeded-up carding. (Sum.) Textile World 103(5):137,139. May 1953. 304.8 T315
Cotton.

66698 NORTON, J. M. Importance of the wool clip. Farmers' Gaz. 111:443. Apr.25,1953. 10 F221
Statistics for Ireland.

66699 OLIVER, J. G. World rayon production and consumption. Skinner's Silk & Rayon Rec. 27:408,410,412. Apr.1953. 304.8 Si32

66700 OLMSTED, F. L. The cotton kingdom; a traveller's observations on the cotton slavery in the American slave states, based upon three former volumes of journeys and investigations by the same author; edited, with an introduction, by A. M. Schlesinger. New York, Knopf,1953. 626 p. 125 OL5C

66701 PALMER, A. W. Japan's cotton textile industry. Foreign Agr. 17:87-90. May 1953. 1.9 Ec7For

66702 PEREIRA IRAOLA, C. Cómo venden lana australianos y neozelandeses. Uruguay. Min. de Ganad. y Agr. B. Inform. 10(453):7. (Concl.) Feb.5,1953. 9.9 G15B

66703 PUNNOOSE, T. V. The kaivan (Helicteres isora Linn) fibre; a substitute for jute. Indian Textile J. 63:388-389,392. Mar.1953. 304.8 In2

66704 QUEHL, K. Die entwicklung der wetter- und waschbeständigen flammenfesten und wasserdichten imprägnierung und deren prüfung. Melliand Textilber. 34:143-145. Feb.1953. 304.8 T312

66705 RAY, D. C. Kenaf production in the Western Hemisphere. Jute B. 15:422-424. Ref. Jan.1953. 73.38 In2

66706 REICHEL, F. Japans wollwirtschaft. Melliand Textilber. 34:359-361. Apr.1953. 304.8 T312

66707 RHODES, F. M. The Cotton Branch's services and research activities in the interest of improved ginning quality and efficient marketing services. Cotton Spinner-Breeder Conf. [Proc.] 9:24-26. 1952. 72.9 C765

66708 ROBERTSON, C. Cotton problems are international. Egypt. Cotton Gaz. 18:27-32. Jan.1953. 72.8 Eg9

66709 RUSCA, R. A. SRRL opener giving good results; new cleaner being developed. (Sum.) Textile World 103(5):135. May 1953. 304.8 T315

66710 SAYRE, C. R. Cotton a standout in combination of qualities and in versatility. Cotton Digest 25(34):18-19. May 2,1953. 286.82 C822

66711 SCHMIEDER, G. Stalin in the procurement of cotton. (In Portuguese.) Orientação Econ. e Financ. 10 (112):29-30. Jan.1953. 280.8 Or42

66712 SESSA, L. International activity for wool grading from 1947 to 1952. (In Italian.) Laniera 66:665,667, 669,671,673,675,677. Aug.1952. 45.8 B63

66713 SIPPEL, A. Neue verbesserungsverfahren für natur- und kunstfasern. Melliand Textilber. 34:433-435. Ref. May 1953. 304.8 T312
English summary.

66714 SMITH, C. C. Some factors influencing the marketing of the 1953-54 cotton crop. Cotton Digest 25 (34):25-29,32-33,44-47. May 2,1953. 286.82 C822

66715 SMITH, J. R. Coordinating cotton improvement programs in the interest of expanding marketing outlets for American cotton. Cotton Spinner-Breeder Conf. [Proc.] 9:12-15. 1952. 72.9 C765

66716 SOMERS, J. A. Acetate rayon. Brit. Rayon & Silk J. 29(347):60,62. Apr.1953. 304.8 Si3

66717 SOMERS, J. A. High tenacity viscose rayon. Brit. Rayon & Silk J. 29(347):58,60. Apr.1953. 304.8 Si3

66718 SPEAKES, C. C. Current engineering recommendations for efficient drying systems. Gin & Oil Mill Digest 1(3):12-13. Apr.1953. 72.8 G433
For cotton.

66719 STOVAL, H. Statement of cotton price trends in the United States. Internatl. Cotton Textile Indus. Conf. [Proc.] 1952:87-89. 304.9 In86

66720 STRANG, P. M. Consider the fundamentals in opening and picking equipment. (Sum.) Textile World 103(5):131,206,208. May 1953. 304.8 T315

66721 SYNDICAT GENERAL DE L'INDUSTRIE COTONNIERE FRANÇAISE. [Compte rendu des travaux] 1952. Paris,1952. 283 p. 304.9 Sy7C

66722 SYNDICAT GENERAL DE L'INDUSTRIE COTONNIERE FRANÇAISE. Supplément statistique, année 1952. Paris,1953. 261 p. 286.3729 Sy7A

66723 TAFEL, W. Verzugsprobleme der bastfaserspinnerei, theoretisch gesehen. Textil-Praxis 8:293-297. Apr.1953. 304.8 T3143

66724 TESI, A. F. Textile fibre blends and combinations. Canad. Textile J. 70(10):57-61. May 8,1953. 304.8 C16

66725 TURNER, H. A., and SMITH, R. The slump in the cotton industry, 1952. Oxford. U. Inst. Statis. B. 15:105-132. Apr.1953. 280.9 Ox2B

66726 TURNER, K. L. Current cotton research in Texas. Cotton Gin & Oil Mill Press 54(10):24,69-70. May 9,1953. 304.8 C822

66727 ULTEE, A. J., SCHOONEVELDT, C. J., and SCHURINGA, G. J. The chemical composition of the epicuticle of wool. III. Biochim. et Biophys. Acta 10:590-594. Ref. Apr.1953. 381 B522

66728 U. S. PRODUCTION AND MARKETING ADMIN. Cotton ginning efficiency and costs in the Rio Grande and Pecos Valleys, seasons of 1949-50 and 1950-51, by W. H. Fortenberry and Z. M. Looney. Washington,1952. 45 p. 1.956 C82C8234

66729 U. S. PRODUCTION AND MARKETING ADMIN. Cotton quality statistics, United States, 1951-52. U. S. D. A. Statis. B. 123,63 p. 1953. 1 Ag84St

66730 U. S. PRODUCTION AND MARKETING ADMIN. Cottonseed quality in the Far West, 1951-52, by J. H. Stevenson and M. E. Whitten. Washington,1952. 34 p. 1.956 C82C835
California, Arizona, New Mexico, and Western Texas.

66731 VANDERGRIFF, A. L. Cleaning by air minimizes fiber damage. (Sum.) Textile World 103(5): 133,135,212. May 1953. 304.8 T315

66732 VAN HEERDEN, P. J. A. Wool prices are the key. (Extr.) Wolboer 6(9):14. Apr.1953. 45.8 W83

66733 VEREENIGING VOOR DEN KATOENHANDEL, ROTTERDAM. Annual report 1951—1952. Rotterdam, 1952. 19 p. 287 R74R

66734 VISSER, A. Das krempeln von zellwolle nach dem baumwollverfahren. Melliand Textilber. 34:267-270. Apr.1953. 304.8 T312
English summary.

66735 WACHTER, A. R. Chemical modification of cellulose aids rayon stabilization. (Condensed.) Textile World 103(5):122-123,224,226,228,230. May 1953. 304.8 T315

66736 WALLACE, J. R. Estimating the United States cotton crop. Agr. Econ. Res. 5:28-34. Apr.1953. 1 Ec7Agr

66737 WEGENER, W. Das kepa-kurzspinnverfahren. Melliand Textilber. 34:409-412. (Cont.) May 1953. 304.8 T312
English summary.
Equipment for spinning cotton.

66738 WEGENER, W., and QUESTEL, R. Mikrobielle schädigung an grège. Melliand Textilber. 34:403-404. (Cont.) May 1953. 304.8 T312
English summary.

66739 WEGENER, W., and QUESTEL, R. Mikrobielle schädigung an leinengarnen und -geweben. Melliand Textilber. 34:100-102,171-178. (Cont.) Feb.-Mar.1953. 304.8 T312
Fiber damage.

66740 WELLS, F. M. The problem of reduced value of cotton linters. Cotton Gin & Oil Mill Press 54(9):15-16, 58. Apr.25,1953. 304.8 C822

66741 WHITAKER, F. H., and HOWARD, J. O. The cotton textile industry of Portugal. U. S. Foreign Agr. Serv. Foreign Agr. Rpt. 72,28 p. Apr.1953. 1.943 F763

66742 WILSON, A. H. Whither man-made fibres? Textile Inst. J. 44:P130-P144. Apr.1953. 73.9 T31

66743 ZELLNIK, G. Blending and testing are keys to good wool-waste processing. Textile World 103(5): 110-113. May 1953. 304.8 T315

FRUITS, VEGETABLES, AND NUTS

66744 ANDERSON, J. F. A look at the small fruit industry of the West. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:90-92. 1953. 81 M384

66745 AYLMER, S. The future of dessert apples. Com. Grower 2991:863-864. Apr.23,1953. 80 F941
Great Britain.

66746 BRODERICK, H. T. Leading the parade. Cranberry World 7:6-7. May 1953. 280.28 C85

66747 COUCHMAN, R. Strawberry production expands. West. Fruit Grower 7(4):23. Apr.1953. 95.8 G762
In Washington, Oregon and California.

66748 ENGELMANN, H. Hauptfrucht kartoffel. Landwirt. Wchnbl. 110A:658. Apr.16,1953. 18 L2338

66749 FEAY, E. Potato outlook good as harvest starts. West. Grower & Shipper 24(6):54-55. May 1953. 280.38 W52

66750 THE FRUIT annual 1952/53; year-book and directory of the world's fruit trade. London,1953. 423 p. 225 F943

66751 GEISE, F. W. Trends in canning crop production. South. Food Processor 14(4):8-9,21. Apr.20,1953. 389.8 So82
Vegetables.

66752 HAARER, A. E. Usefulness of the cashew tree and nuts. New Commonwealth 25:500-501. May 11,1953. 280.8 C88

66753 HANNA, G. C. Some observations on the vegetable industry in Australia. Austral. Inst. Agr. Sci. J. 19: 19-27. Mar.1953. 23 Au74

66754 HOOS, S., and BOLES, J. N. Orange industry trends. Calif. Agr. [Calif. Sta.] 7(3):10. Mar.1953. 100 C12Cag

66755 JAIN, N. L., DAS, D. P., and LAL, G. Arvi (Colocasia [C. antiquorum]) flour. Indian J. Hort. 10:19-22. Mar.1953. 80 In2

66756 KOCH, E. Vorbildliches gartenbauland. Obst u. Gemüse 5:300-301. Apr.2,1953. 286.83 Ob72
Netherlands fruit and vegetable industry.

66757 LOEWEL, E. L. Keine einschränkung der deutschen obsterzeugung. Obst u. Gemüse 5:379-380. Apr.20,1953. 286.83 Ob72

66758 MARKETAN, M. Nussbäume, die beste kapitalanlage. Landarb.-Arch. 8:72-74. Mar.1953. 283.8 L23
Austria.

66759 MARKETAN, M. Nussbäume, die beste kapitalsanlage. Landwirtschaft 7/8:136-137. Apr.1953. 19 L235
Austria.

66760 MARTIN, D. The Tasmanian berry fruit industry. Food Technol. Austral. 5:143,145,147,149. Apr.1953. 389.8 F7333

66761 MARTIN, P. La viticulture à la croisée des chemins. Bouches du Rhône Agr. 25(1095):3. Apr.1,1953. 14 B662

66762 MELIN, F. The Selaön Fruit Growers Association—a praiseworthy example. (In Swedish.) Sveriges Pomol. För. Fruktodlaren 2:44. 1953. 86 Sv2F

66763 MONIN, A. Evolution de la valeur commerciale de quelques variétés fruitières. Fruit Belge 21:65-72. May 1953. 80 F9493

66764 NATIONAL FEDERATION OF FRUIT & POTATO TRADES. Handbook 1953, including list of members, officers and committees, annual report and accounts. London,1953. 422 p. 286.83 N213

66765 OBERLY, G. H. Utah's fruit potential is large. West. Fruit Grower 7(5):27-28. May 1953. 95.8 G762

66766 OPHEN, J. D. Prospects of the citrus industry in Israel. Israel Export J. 5(4):9. Apr.1953. 286.8 Is7

66767 ROGHANI, M. S., and SHAH, Z. A. The economic importance of sour oranges (C. aurantium, Lin) in N.-W.F. Province. No.-West Frontier Prov. Dept. Agr. Farmers B. 27,7 p. July 1952. 22 N814B

66768 TIT, D. The condition of the vine. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 5:44-47. Feb. 1953. 21.5 Sa1
Yugoslavia.

66769 VILA HERNANDEZ, C. La fruticultura nacional y la acción de la Dirección General de Agricultura. Peru. Dir. Gen. de Agr. B. 3/4:54-56. First/Second Q. 1952. 9.8 P438

66770 WHIPPLE, E. C. What's wrong with the watermelon industry? Farm & Ranch—South Agr. Upper So. Ed. 83(6):16. June 1953. 6 T31

Analysis and Composition

66771 ALMENDINGER, V. V., DILLMAN, C. A., and BEISEL, C. G. Determination of free galacturonic acid in citrus products. (Abs.) Food Technol. 7(5,sup.):20. May 1953. 389.8 F7398

66772 COBEY, H. S., and MANNING, G. R. Catalase vs. peroxidase as indicator for adequacy of blanch of frozen vegetables. Quick Frozen Foods 15(10):54,160, 162. May 1953. 389.8 Q4

66773 DAVIS, R. B., and others. Consistency measurements of tomato puree (pulp). (Abs.) Food Technol. 7(5,sup.):12. May 1953. 389.8 F7398
W. A. Gould, D. DeWeese, and G. L. Peters, joint authors.

66774 GOLDACRE, P. L., GALSTON, A. W., and WEINTRAUB, R. L. The effect of substituted phenols on the activity of the indoleacetic acid oxidase of peas. Arch. Biochem. & Biophys. 43:358-373. Ref. Apr.1953. 381 Ar2

66775 HAYASE, H. Simple method of determining quality of edible squashes and pumpkins. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:93-99. Feb.1953. 107.6 H68
English summary.

66776 HILL, E. C., WENZEL, F. W., and BARRETO, A. Colorimetric method for detection of microbiological spoilage in citrus juices. (Abs.) Food Technol. 7(5,sup.): 24. May 1953. 389.8 F7398

66777 IZZAT, I., and others. Recherches sur la composition de la truffe (Terfezia leonis). Soc. de Chim. Biol. B. 35:266-272. 1953. 383 So1
F. Penaranda, M. Robert, and M. Polonovski, joint authors.

66778 LEONARD, S., LUH, B. S., and HINREINER, E. Flavor evaluation of canned cling peaches. (Abs.) Food Technol. 7(5,sup.):24-25. May 1953. 389.8 F7398

66779 MARTHINSEN, R. M., and VAUGHN, R. H. Comparison of media for enumeration of bacterial populations in dehydrated vegetables. (Abs.) Food Technol. 7(5,sup.):28. May 1953. 389.8 F7398

66780 MURDOCK, D. I., and FOLINAZZO, J. F. Comparison of bacteriological methods for the detection of flat sour contamination in pea & corn canning plants. Canning Trade 75(43):8-10,22. May 11,1953. 286.83 T67

66781 OLSEN, R. W., and MOORE, E. L. Sugar hydrate formations in frozen citrus concentrates. (Abs.) Food Technol. 7(5,sup.):19-20. May 1953. 389.8 F7398

66782 OSHIMA, Y., HADA, N., and SHIRAKAWA, M. The action of β-amylase on potato amylose on the presence of an arrest point in the course of β-amylolysis. (In Japanese.) Kyushu U. Facul. Agr. Sci. B. 14:73-84. Ref. Feb.1953. 107.6 K995B
English summary.

66783 POTTER, E. F. New moisture test gives faster results. In Food Engineering. 111 tested methods of handling everyday food plant problems, p.119-121. New York,McGraw-Hill,1952? 389 F733Q
Fruit products.

66784 ROUSE, A. H. Distribution of pectinesterase and total pectin in component parts and citrus fruits. (Abs.) Food Technol. 7(5,sup.):19. May 1953. 389.8 F7398

66785 SAFINA, G., and TRIFIRO, E. Chromatographic method for the determination of lemon juice added to orange juice. (In Italian.) Conserve e Derivati Agrumari 2(5):12-14. Jan./Mar.1953. 389.8 C7622

66786 TRIFIRO, E. Chemical characteristics of tomatoes produced during the first year of research with selected seeds. (In Italian.) Conserve e Derivati Agrumari 2(5):20-26. Jan./Mar.1953. 389.8 C7622
Italy.

66787 TROMBLY, H. H., and PORTER, J. W. Additional carotenes and a colorless polyene of Lycopersicon species and strains. Arch. Biochem. & Biophys. 43:443-457. Ref. Apr.1953. 381 Ar2

66788 UPPAL, I. S. Starch from Indian horse Chestnut [Aesculus indica] and its chemical examination. Indian Chem. Soc. J. Indus. & News Ed. 15:178-180. 1952. 385 In27A

66789 WHEATON, R. D., and FABIAN, F. W. Green color in pickles. I. A study of the chemical and physical agents that affect the color of pickles. Canner 116(20): 21-24. May 18,1953. 286.83 C16

66790 WILLIAMS, B. L., and WENDER, S. H. Isolation and identification of quercetin and isoquercitrin from apricots (Prunus armeniaca). Arch. Biochem. & Biophys. 43:319-323. Apr.1953. 381 Ar2

66791 WILLSON, A. E., and HANSON, W. D. "Paired comparison" taste panel procedures for citrus juice. Citrus Indus. 34(5):8-10. May 1953. 80 C49

Consumption and Utilization

66792 KRANTZ, F. A. What housewives want in potatoes. Minn. Farm & Home Sci. [Minn. Sta.] 10(3):13. May 1953. 100 M668

66793 MATAGRIN, A. La cellulose des sarments des vignes. Terre d'Oc 35:51-59. Ref. Feb.1953. 14 Ar5
For paper and chemical products.

66794 VIGUERA LOBO, J. M., and others. Aprovechamiento de los resíduos de la industrialización de los agrios. VI. Obtención de levaduras alimenticias a partir de los líquidos de prensa. Soc. Espaň. de Fís. y Quím. An. Ser. B, Quím. 49:245-254. Mar.1953. 385 So16
B. Lafuente Ferriols, A. Casas Carramiñana, and J. Castellote Ferrer, joint authors.
English summary.

Distribution, Marketing, and Transportation

66795 BARGER, W. R. Shipping tests with California tomatoes. Fruit & Veg. Rev. 15(2):11,22. May 1953. 80 C1224

66796 BEWLEY, W. F. The presentation of tomatoes for market. Tomato & Cucumber Mktg. Bd. J. 2(5):5,7-8. May 1953. 280.3919 T591
Great Britain.

66797 BIG PROMOTION on a small budget. Farm Mangt. 2(6):30-34. May 1953. 281.8 F2225
Washington State Fruit Commission.

66798 BLACK, G. Criteria for analyzing surplus removal proposals. Wines & Vines 34(5):16-18. May 1953. 95.8 C122

66799 BRUNK, M. E. Marketing research and selling apples. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58: 54-65. 1952. 81 M384
Includes discussion.

66800 BRUNK, M. E. Selling apples in 1954. East. Fruit Grower 16(2):5,19-21. Apr.1953. 80 Ea73

66801 CALIFORNIA LIMA BEAN GROWERS ASSOCIATION. 36th annual report for the year ending September 30, 1952. Oxnard,1952. 23 p. 280.29 C122

66802 CLAPP, A. W. How the 1951-52 deal looks now. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58: 33-36. 1952. 81 M384
Apple storage holdings with rate of movement out-of-storage into consumption.

66803 COLE, F. E., and others. Fancies sell themselves: how I sell the rest. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:17-24. 1952. 81 M384
W. S. Anderson, J. W. Elton, S. Harris, W. H. Marshman, and R. E. Peck, joint authors.
Apples.
Includes discussion.

66804 COLE, F. E., and others. Selling apples at the farm. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58: 40-53. 1952. 81 M384
C. A. Dowse, E. S. Fitzgerald, W. S. Hopkins, E. F. Markert, and A. L. Pierce, joint authors.
Includes discussion.

66805 CRUTCHFIELD, J. S. Marketing California grapes. Blue Anchor 30(2):26-28. May 1953. 286.83 B62

66806 DEVE, F. Applications du froid; ce qu'il faut savoir du problème bananier. Rev. Prat. du Froid 8(8):25-26. (Cont.) May 1953. 295.8 R323
Shipping.

66807 DEVE, F. Ce qu'il faut savoir du problème bananier; le froid y joue un rôle essentiel. Rev. Prat. du Froid 8(7):49-52. (Cont.) Apr.1953. 295.8 R323
Shipping.

66808 FIJAVŽ, F. A review of buying and selling of fruits and vegetables in the summer of 1952. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 5:42-43. Feb.1953. 21.5 Sa1
Yugoslavia.

66809 FOSSUM, M. T. Trade in horticultural specialties; a statistical compendium, 1890-1950. U. S. D. A. Mktg. Res. Rpt. 33, 116 p. Ref. Apr.1953. 1 Ag84Mr
Fruits, vegetables, and flowers.

66810 FRENCH, B. C., and BRESSLER, R. G. Efficiency in fruit marketing. Calif. Agr. [Calif. Sta.] 7(3): 11-13,16. Mar.1953. 100 C12Cag

66811 GAD-EL, M. New methods of citrus fruit handling. Israel Export J. 5(3):13. Mar.1953. 286.8 Is7
Marketing.

66812 GINSBURG, L. Cold-storage tests to determine shipping temperatures for pineapples. Farming So. Africa 28:85-91. Mar.1953. 24 So842

66813 HOOTMAN, H. D. Changing trends in Michigan; marketing of cherries and apples. East. Fruit Grower 16(2):6-7,18. Apr.1953. 80 Ea73

66814 KLEIN, K. Genossenschaftlicher obstabsatz in bekannten obstländern—und bei uns? Kärntner Bauer 103:203. May 1,1953. 19 K14

66815 KOCH, E. Freier markt auf probe. Obst u. Gemüse 5:258. Mar.19,1953. 286.83 Ob72
Fruit and vegetables in Germany.

66816 KONIG, H. A. Bemerkenswertes für den fruchthandel auf der Internationalen Automobil-Ausstellung. Obst u. Gemüse 5:382,384-385. Apr.20,1953. 286.83 Ob72

66817 MAHAFFY, D. H. How fast is "fast freight?" Fruit & Veg. Rev. 15(2):14. May 1953. 80 C1224
Transportation of fruit and vegetables.

66818 O'NEILL, E. H. Out of State sales. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:24-27. 1952. 81 M384
Apples.

66819 PARKER, S. R. The Federal apple purchase program. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:36-37. 1952. 81 M384

66820 PHELAN, C. Buying fruits, vegetables and staples. Food Serv. 15(4):30-31,34. May 1953. 389.2538 F732

66821 RAVENSCROFT, W. D. An aggressive selling program for 1953. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 59:79-90. 1953. 81 M384
Apples.
Includes discussion.

66822 SAMMET, L. L. Efficiency in fruit marketing. Calif. Agr. [Calif. Sta.] 7(4):14-16. Apr.1953. 100 C12Cag

66823 SCHLIEMANN, W. Der kartoffelmarkt am schluss des wirtschaftsjahres 1952/53. Kartoffelwirtschaft 6:202. Apr.24,1953. 286.83 K14
Germany.

66824 SCHMIDT, H. Am markt bleiben - auch im obstbau! Hess. Obstbau 8:67-68. May 1953. 80 G1932

66825 SCHNOOR, H. Betrachtungen zur allgemeinen lage auf dem deutschen äpfelmarkt. Obst u. Gemüse 5: 354-355. Apr.2,1953. 286.83 Ob72

66826 TABLANTE, N. B., and TIRONA, E. E. Retailing of fresh fruits and vegetables in the public market of Cavite City. Philippine Agr. 35:358-367. Dec.1951, pub.Dec.1952. 25 P542

66827 ZENS, F. J. Was blüht unserem obstbau im erntejahr 1953? Bauern-Ztg. 6(18):3-4. May 8,1953. 18 B324
Markets and prices in Germany.

Grading, Inspection, Standardization, and Quality

66828 BOYES, W. W. The keeping quality of avocados; effect of maturity and storage temperature. Farming So. Africa 28:103-106. Mar.1953. 24 So842

66829 CLARKE, B. W., and KRAMER, A. Sampling procedures for grading of tomatoes. (Abs.) Food Technol 7(5,sup.):12. May 1953. 389.8 F7398

66830 DESROSIER, N. W., MCARDLE, F. J., and MILES, S. R. More precise grading with new sampling table. Food Engin. 25(5):92-93,206,208,210. May 1953. 389.8 F737
Tomatoes.

66831 DUPAIGNE, P. L'organisation du contrôle de la maturité commerciale des fruits en France. Fruits 8: 98-103. Mar.1953. 80 F9492

66832 GILMORE, H. P., and DARROW, W. H. Is orchard grading practical? Both sides of the story. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:28-33. 1952. 81 M384
Apples.

66833 HART, W. J., and KRAMER, A. Objective procedures for determining grades of raw, canned, and frozen lima beans. (Abs.) Food Technol. 7(5,sup.):13. May 1953. 389.8 F7398

66834 JONES, I. D., ETCHELLS, J. L., and MONROE, R. J. Varietal differences in cucumbers for pickling. (Abs.) Food Technol. 7(5,sup.):17. May 1953. 389.8 F7398

66835 KLEIN, L. G., and LA BELLE, R. Apples for processing. Farm Res. [N. Y. Sta.] 19(2):8-9. Apr.1953. 100 N48A
New varieties and processing quality in New York apples.

66836 KRAMER, A., and HART, W. J. Maturity grading of lima beans for freezing. Quick Frozen Foods 15(9):104,182-183. Apr.1953. 389.8 Q4

66837 KRETZDORN, H. Fehler und krankheiten der obstmoste und ihre beseitigung. Bad. Landwirt. Wchnbl. 120:416-417. May 2,1953. 18 B142

66838 LINDQUIST, F. E., and others. Effect of processing variables on storage stability of dehydrated sweetpotatoes. (Abs.) Food Technol. 7(5,sup.):26. May 1953. 389.8 F7398
M. P. Masure, W. C. Dietrich, and M. D. Nutting, joint authors.

66839 LUNDEN, A. P. Seed potato certification in U. S. A. (In Norwegian.) Tidsskr. f. det Norske Landbr. 60:8-19. Jan./Feb.1953. 11 T433

66840 POLLARD, A. What makes the flavour of an apple? Grower [London] 39:874-875. May 2,1953. 286.83 M34

66841 ROGHANI, M. S., and SHAH, Z. A. Investigation on the suitability of pear varieties for canning purposes, in N.-W.F. Province. No.-West Frontier Prov. Dept. Agr. Tech. B. 26,4 p. Aug.1951.pub.1952. 22 N814B

66842 SCHMID, G. Die möglichkeiten der qualitätsverbesserung beim mostobst. Schweiz. Z. f. Obst- u. Weinbau 62:139-142. Apr.18,1953. 80 Sch9

66843 SHAH, J., and WORTHINGTON, O. J. Comparison of several methods and instruments for specifying the color of frozen strawberries. (Abs.) Food Technol. 7(5,sup.)14. May 1953. 389.8 F7398

66844 U. S. PRODUCTION AND MARKETING ADMIN. Inspectors' instructions for inspection of frozen lima beans. Washington,1953. 22 p. 1.956 F94In749

66845 U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned sweet cherries. Washington,1953? 18 p. 1.9 Ec792Chs
These standards supersede the standards that have been in effect since May 15, 1940.

66846 WEBER, P. Warum DLG-gütezeichen für tafelobst-spitzenqualitäten? Deut. Landwirt.-Gesell. Mitt. 68:363-364. Apr.9,1953. 18 N39

66847 ZIMMER, S. J. Prepare for the harvest; and now—the packhouse. Com. Grower 2993:979-981. May 7, 1953. 80 F941
Fruit.

Packing and Packaging

66848 ANGLADA, J. A. Cellophane and prepackaging. Pre-Pack-Age 6(9):13-14. May 1953. 280.38 P91
Fruit and vegetables.

66849 BUKER, N. Package design means sales. Pre-Pack-Age 6(9):16-17. May 1953. 280.38 P91
Fruit and vegetables.

66850 BURR, H. K., and SILVEIRA, V. G. Stabilization of dehydrated cabbage by in-package desiccation. (Abs.) Food Technol. 7(5,sup.):28. May 1953. 389.8 F7398

66851 HAUCK, J. F., and MACLINN, W. A. Prepackaging asparagus. N. J. State Hort. Soc. Hort. News 34:2654. Apr.1953. 81 N46

66852 MCANALLY, J. N. Taring of cases. Queensland Fruit & Veg. News 3:469-470. Apr.9,1953. 280.38 Q3
Beans.

66853 MARCUCCILLI, J. Does produce prepackaging pay? Argus B. 40:40-41,64. Apr.1953. 286.83 N214

66854 PRE-PACK-AGE. Prepackagers of fresh fruits and vegetables in the U.S. Pre-Pack-Age 6(9):25-38. May 1953. 280.38 P91
A directory.

66855 RAVEL D'ESCLAPON, G. DE, BULLE, E., and ROGER, J. L'école régionale d'emballeuses de fruits et de raisins de table. France. Min. de l'Agr. B. Tech. d'Inform. 77:219-239. Mar.1953. 14 F844B

66856 SCHRIJVER, L. DE. Packaging material for horticultural products. (In Flemish.) Tuinbouwberichten 17:56-57. Apr.15,1953. 80 T817

Prices, Price Control, and Rationing

66857 BETHKE, S. Gemüsepreise und handelsspannen. Deut. Landwirt. Presse 76:129-130. May 2, 1953. 18 D482

66858 KLOMPE, G. J. Guaranteed prices for our fruit too? (In Dutch.) Fruitteelt 43:383-385. May 2,1953. 86 N28
Netherlands.

Processing and Storage

66859 ALLENTOFF, N., PHILLIPS, W. R., and JOHNSTON, F. B. Carbon dioxide fixation in the detached McIntosh apple. (Abs.) Chem. Canada 5(5):43. May 1953. 381 C4236

66860 BEALE, W. S. How the U.S.A. has developed the modern tomato cannery. Austral. Food Mfr. & Distrib. 22(9):22,26,28,30. Apr.6,1953. 389.8 Au7

66861 BEALE, W. S. The modern tomato cannery. Food Technol. Austral. 5:155-156,159,163. (Concl.) Apr.1953. 389.8 F7333

66862 BISSETT, O. W., VELDHUIS, M. K., and RUSHING, N. B. Pasteurization and storage of sweetened and unsweetened lime juice. (Abs.) Food Technol. 7(5, sup.):19. May 1953. 389.8 F7398

66863 BLAKEMORE, S. M. Tank covers improve kraut quality and aid sanitation. Canning Trade 75(45):8-9. May 25,1953. 286.83 T67

66864 BROWN, H. D. Meals ready in a jiffy thanks to food processors. Ohio Farmer 211(9):36-38. May 2,1953. 6 Oh3
Fruit and vegetables.

66865 BUCK, P. A., and JOSLYN, M. A. Broccoli processing. J. Agr. & Food Chem. 1:309-312. Ref. May 13,1953. 381 J8223
Freezing.

66866 CASTANIE, H. Protection des agrûmes contre la "pourriture" ou moisissure verte-bleue provenant des Pénicillium. Rev. Internatl. des Prod. Colon. 28:83. Apr.1953. 286.8 R326

66867 CHAVAN, J. P. Conservation des pommes de terre. Agenda de l'Agr. et du Vigneron 1953:252-254. 30.3 Ag33

66868 CLEEMPOEL, J. Les alcools de fruits et les autres. Fruit Belge 21:72-76. May 1953. 80 F9493

66869 COOLEY, A. M., and SEVERSON, D. E. Dehydration of potato granules by the mixback process. (Abs.) Food Technol. 7(5,sup.):26. May 1953. 389.8 F7398

66870 DIETZ, J. H. Gelation and clarification in concentrated citrus juices. IV. Changes in pectic substances during storage. (Abs.) Food Technol. 7(5,sup.): 19. May 1953. 389.8 F7398

66871 DOERMANN, M. C., and MACLINN, W. A. Freezing fruits, vegetables and meats. N. J. Agr. Col. Ext. L. 103,12 p. Mar.1953. 275.29 N46L

66872 DUROCHER, J., and ROSKIS, G. Technical progress in vegetable canning in the last ten years. 2. Developments in can filling and closing and sterilisation techniques. Food Indus. So. Africa 5(12):37-43. Ref. Apr.1953. 389.8 F7372

66873 DYE, D. W. Control of soft-rot (Erwinia carotovora (Jones) Holland) in carrots during transit and in storage. New Zeal. J. Sci. & Technol. A, Agr. Res. Sect. 34:465-467. Feb.1953. 514 N48A

66874 EAKS, I. L. Brief survey of storage in modified atmosphere. Citrus Leaves 33(5):10-11,42. May 1953. 80 C492
For citrus fruits.

66875 EISENSTAT, L., and FABIAN, F. W. Factors which produce bleaching of pickles. II. Glass Packer 32 (5):44-46,70,72. May 1953. 309.8 G463

66876 EMODI, S. A., CRUESS, W. V., and RAMAZANOGUL, K. Observations on dried beverage bases from fruits. (Abs.) Food Technol. 7(5,sup.):18. May 1953. 389.8 F7398

66877 ERWIN, D. Steady improvement in its quality increases consumption of apple sauce. Restaurant B. 17 (194):22-24. Apr.1953. 389.8 R312
Manufacture.

66878 ESKEW, R. K., SINNAMON, H. I., and TURKOT, V. A. Grape juice powder. (Abs.) Food Technol. 7(5, sup.):19. May 1953. 389.8 F7398

66879 ESSELEN, W. B. Freezing small fruits for home and market. Mass. Fruit Growers' Assoc. Rpt. Annu. Mtg. 58:138-142. 1952. 81 M384

66880 ESSELEN, W. B., and ANDERSON, E. E. Thermal inactivation of pectolytic enzymes in genuine dill pickles. (Abs.) Food Technol. 7(5,sup.):17. May 1953. 389.8 F7398

66881 FABIAN, F. W., and KRAGT, M. N. Cloudiness in pickle brines. III. Canner 116(17):13-14,18. Ref. Apr.25,1953. 286.83 C16

66882 FEHMERLING, G. B. Let's keep it clean. Canner 116(20):34-35. May 18,1953. 286.83 C16
Tomato canning.

66883 FEIGEN, X. Die Türkei als herkunftsland für trockenfrüchte und schalenobst. Obst u. Gemüse 5:273-274. (Concl.) Mar.19,1953. 286.83 Ob72

66884 FEVRIER, J. G. La red frigorífica frutera francesa. Rev. Indus. y Fabril 8:169-170. Mar.1953. 297.8 R322

66885 FULDE, R. C., and FABIAN, F. W. The influence of gram-negative bacteria on the sauerkraut fermentation. (Abs.) Food Technol. 7(5,sup.):18. May 1953. 389.8 F7398

66886 GAUTHERET, R. J. Recherches sur la conservation des pommes de terre par le phénylthiocarbamate d'isopropyle. Acad. d'Agr. de France. Compt. Rend. 39:188-193. Feb.11/18,1953. 14 P215Bc

66887 GERON, A. Plant for the investigation into fruit preservation by the "controlled atmosphere" (gas storage) method at the Centre of Studies for the Applications of Cold in Padua. (In Italian.) Ricerca Sci. 23:396-400. Mar.1953. 475 It1
English summary.

66888 GRUNWALD, O., and others. Algunas observaciones acerca de la curación (cristalización) de las almendras de la sarrapia venezolana (Coumarouna Punctata). Agro [Maracay] 7(22):87-95. Sept./Oct.1952. 9.95 Ag83
F. Harcsár, D. S. Ortiz, and P. Budowski, joint authors.

66889 HAAN, I. DE. The ripening process and development of wooliness in peaches. Farming So. Africa 28:58-60,67. Ref. Feb.1953. 24 So842
Varieties in storage.

66890 HAND, D. B., MOYER, J. C., and WAGENKNECHT, A. C. Effect of processing conditions on moisture retention by dehydrated peas and snap beans. (Abs.) Food Technol. 7(5,sup.):26. May 1953. 389.8 F7398

66891 HILLS, C. H., and WHITTENBERGER, R. T. Studies on the processing of red cherries. III. A comparison of fruit from different geographical regions. (Abs.) Food Technol. 7(5,sup.):20. May 1953. 389.8 F7398

66892 HOLMQUIST, J. W., and CLIFCORN, L. E. Steam blanching of peas. (Abs.) Food Technol. 7(5,sup.):25. May 1953. 389.8 F7398

66893 HULL, W. Q., LINDSAY, C. W., and BAIER, W. E. Chemicals from oranges. Indus. & Engin. Chem. 45:876-890. Ref. May 1953. 381 J825
Processing methods.

66894 JACOBS, C. R. Developments in canning technique. Fruit Annu. 1952/53:109-111,113-114. 225 F943

66895 JERGER, E. W., ZOELLNER, J. A., and TISCHER, R. G. Influence of processing variables on drying rate and quality of dehydrated frozen sweet corn. Food Technol. 7:200-202. May 1953. 389.8 F7398

66896 JONES, A. H., HARPER, G. S., and PHILLIPS, W. R. Factors affecting the quality of cucumber pickles. (Abs.) Food Technol. 7(5,sup.):17-18. May 1953. 389.8 F7398

66897 JONES, A. H., and FERGUSON, W. E. The incidence of flat-sour bacteria in tomato canning plants. (Abs.) Rev. Canad. de Biol. 11:519. Mar.1953. 442.8 R325

66898 KAPUR, N. S., MATHUR, P. B., and SINGH, K. K. Cold storage of onions. Indian J. Hort. 10:9-15. Mar.1953. 80 In2

66899 KELLER, G. J., and others. Stabilization of frozen citrus concentrates by heat treatment. (Abs.) Food Technol. 7(5,sup.):19. May 1953. 389.8 F7398
R. G. Rice, R. J. McColloch, and E. A. Beavens, joint authors.

66900 KRAMER, A., and EL KATTAN, A. A. Effect of application of heat on tomato juice color. (Abs.) Food Technol. 7(5,sup.):12. May 1953. 389.8 F7398

66901 LABBEE, M. D., and ESSELEN, W. B. Effect of peroxidase concentration, acidity, and storage temperature on the development of off-flavors in fresh pack pickles. (Abs.) Food Technol. 7(5,sup.):18. May 1953. 389.8 F7398

66902 LEVINSON, J. H., and VAUGHN, R. H. Sources and types of microorganisms associated with the softening of fermenting cucumbers. (Abs.) Food Technol. 7(5,sup.):17. May 1953. 389.8 F7398

66903 LEWIS, S. A. New aid for lemonade. Glass Packer 32(5):32-33,68. May 1953. 309.8 G463
Lemon handling.

66904 LITWILLER, E. M. Dehydrated green beans. (Abs.) Food Technol. 7(5,sup.):25. May 1953. 389.8 F7398

66905 LIVINGSTON, G. E., ESSELEN, W. B., and FELLERS, C. R. Storage changes in processed apple sauce. (Abs.) Food Technol. 7(5,sup.):18-19. May 1953. 389.8 F7398

66906 MACDONALD, D. W. McIntosh in May; Vermont apple growers have had two very profitable seasons holding the apples till spring in controlled atmosphere storage. Family Herald & Wk. Star 84(20):5,23. May 14, 1953. 7 F21

66907 MADSEN, H. S., and D'ERCOLE, A. D. Frozen concentrated citrus juices—co-packer quality control. (Abs.) Food Technol. 7(5,sup.):20. May 1953. 389.8 F7398

66908 MERORY, J. Sale of cherry flavors marked by increase and growing favor. Amer. Bottler 96(629): 114-116. May 1953. 389.8 So8
Processing of cherries for juice.

66909 MILLER I. C. They improved their processing 8 ways. In Food Engineering. 111 tested methods of handling everyday food plant problems, p.144-150. New York,McGraw-Hill,1952? 389 F733Q
Vegetable handling and equipment.

66910 MILLER, M., and others. Dehydration of cling stone peaches. (Abs.) Food Technol. 7(5,sup.):28. May 1953. 389.8 F7398
J. Recca, J. Kilbuck, and E. M. Mrak, joint authors.

66911 MITCHELL, I. R. S., and LYNCH, L. J. Pea canning. (Condensed.) Food Technol. Austral. 5:173-177. Apr.1953. 389.8 F7333

66912 MOISET, F. La fabrication industrielle des pêches jaunes au sirop en Roussillon. Fruits 8:112-114. Mar.1953. 80 F9492

66913 MORRIS, E. Calcium-firming summer apples; processing methods. Okla. Agr. Expt. Sta. B. B-396,21 p. Apr.1953. 100 Ok4

66914 NATIONAL ASSOCIATION OF FROZEN FOOD PACKERS. Frozen food pack statistics: 1952. 1-2. Washington,D.C.,1953. 2 v. 389.9 N2123
1, Fruit; 2, Vegetables.

66915 NATIONAL CANNERS ASSOCIATION. DIV. OF STATISTICS. Berry packs, 1951. Washington,1952. 1 p. 389.9 N2146Be

66916 NEEL, G. H., and others. Drying problems in the add-back process for production of potato granules. (Abs.) Food Technol. 7(5,sup.):26. May 1953. 389.8 F7398
G. S. Smith, M. W. Cole, R. L. Olson, and W. O. Harrington, joint authors.

66917 NELSON, A. I., and others. Studies on the dehydration of sweet corn. (Abs.) Food Technol. 7(5, sup.):27. May 1953. 389.8 F7398
L. L. Kempe, H. W. Norton, and L. B. Howard, joint authors.

66918 NELSON, J., and MATEISKY, I. Rays curb bacteria, boost fruit quality. In Food Engineering. 111 tested methods of handling everyday food plant problems, p.150-151. New York,McGraw-Hill,1952? 389 F733Q
Germicidal lamp.

66919 NILSSON, R. Sprout preventing preparations in connection with the storage of potatoes. (In Swedish.) Försök och Forsk. 9:87-88. Nov./Dec.1952. 11 F77

66920 NOMURA, D. Chemical studies on citrus natsudaidai. 7. On the darkening or "browning" of juice during storage. (In Japanese.) Yamaguti U. Facul. Agr. B. 3:61-78. Ref. 1952. 107.6 Y14
English summary.

66921 OOMIYA, M. Studies on the drying of sweetpotatoes. (In Japanese.) Jap. Soc. Food & Nutr. J. 5: 217-219. 1953. 389.9 J27

66922 PEDERSON, C. S., and ALBURY, M. N. The fermentation of green tomatoes. (Abs.) Food Technol. 7(5,sup.):18. May 1953. 389.8 F7398

66923 PEDERSON, C. S., and ALBURY, M. N. Fermentation of sauerkraut as affected by salt and temperature. (Abs.) Food Technol. 7(5,sup.):17. May 1953. 389.8 F7398

66924 PETERS, G. L., and others. Effect of added calcium chloride and sodium hexametaphosphate (calgon) on the relative viscosity and pectin content of tomato puree (pulp). (Abs.) Food Technol. 7(5,sup.):12. May 1953. 389.8 F7398
H. D. Brown, W. A. Gould, and R. B. Davis, joint authors

66925 PHILLIPS, G. W. M., ACETO, N. C., and ESKEW, R. K. Leach pressing of apples: a method of increasing the yield of full-flavor juice concentrate. (Abs.) Food Technol. 7(5,sup.):19. May 1953. 389.8 F7398

66926 POWELL, A. A. Trial of pre-cooling and rail transport of celery. New Zeal. J. Agr. 86:251. Mar. 16,1953. 23 N48J

66927 QUEBEC. BUR. OF STATISTICS. Industrial canning of fruits and vegetables, 1951. Quebec,1953. 3 p. 253.8 St2In

66928 SHELOR, E., and WOODROOF, J. G. Freezing sweet corn. Quick Frozen Foods 15(10):52-53,162. May 1953. 389.8 Q4

66929 SIMONS, M., and others. Influence of piece size on production and quality of dehydrated Irish potatoes. (Abs.) Food Technol. 7(5,sup.):26. May 1953. 389.8 F7398
J. R. Wagner, V. G. Silveira, and C. E. Hendel, joint authors.

66930 STRASHUN, S. I., MYLNE, A. M., and TALBURT, W. F. Production of stable dehydrated orange juice. (Abs.) Food Technol. 7(5,sup.):28. May 1953. 389.8 F7398

66931 TEISER, R., and HARROUN, C. New efficiency in spinach processing. Canner 116(20):14-15. May 18, 1953. 286.83 C16

66932 TISCHER, R. G., and JERGER, E. W. Effect of freezing, sulphuring and storage conditions on the quality of dehydrated sweet corn. (Abs.) Food Technol. 7(5,sup.):27. May 1953. 389.8 F7398

66933 TISCHER, R. G., JERGER, E. W., and ZOELLNER, J. A. A method of determination of rehydration rate of dehydrated sweet corn. Food Technol. 7: 202-204. May 1953. 389.8 F7398

66934 TREADWAY, R. H., and others. Development and evaluation of potato chip bars. (Abs.) Food Technol. 7(5,sup.):26. May 1953. 389.8 F7398
C. F. Woodward, E. G. Heisler, J. R. Wagner, and R. M. Hopkins, joint authors.

66935 TRECCANI, C. P. Observations of physiological disturbances in apples during storage. (In Italian.) Riv. di Frutticolt. 15:145-163. Ref. Apr.1953. 80 R52
English summary.

66936 TRSTENJAK, M. Concerning some physiological disease in warehouse fruit. (In Serbo-Croatian.) Sadjarstvo, Vinarstvo, Vrtnarstvo 5:40-41. Feb.1953. 21.5 Sa1
Yugoslavia.

66937 TURK, A., and MESSER, P. J. Green lemon mold. J. Agr. & Food Chem. 1:264-268. Ref. Apr.29, 1953. 381 J8223
Effects of Penicillium digitatum on lemon respiration.

66938 VAN DOREN, A. Storing Delicious strains in modified atmosphere. West. Fruit Grower 7(5):12-14. May 1953. 95.8 G762

66939 VEIGA, A. DE A. Use of pineapples. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384):33. Jan.1953. 9.2 B733
Home preparations.

66940 WADE, E. K. Storage rots and disorders in potatoes. Badger Common 'Tater 6(4):12-14. (Cont.) Apr.1953. 75.8 B14

66941 WAGNER, J. R. Conference on fruit and vegetable dehydration research. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 5:16-27. First Q.1953. 389.9 As74A

66942 WIEGAND, E. H. Quality fruits with corn syrup. Food Engin. 25(5):131,133,210. May 1953. 389.8 F737
Frozen fruit.

66943 WILSON, D. C., and BROWN, H. D. Heat-induced inhibitory agents obtained from processed fruits and vegetables. (Abs.) Food Technol. 7(5,sup.):18. May 1953. 389.8 F7398

66944 WOODROOF, J. G., and HEATON, E. K. "Year 'round on pecans" by refrigerated storage. Food Engin. 25(5):83-85,141-142. May 1953. 389.8 F737

66945 YORK, C. W. Million dollar industry. Pa. Farmer 148:500-501. May 23,1953. 6 P383
Pea canning in Pennsylvania.

Statistics

66946 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Statistical bulletin: vegetables grown on farms for human consumption, Australia, No. 6: season 1951-52. Canberra,1953. 8 p. 271 Au72Av

66947 CARNCROSS, J. W. Acreage, production, yield, price and value of vegetables for processing in New Jersey. N. J. Agr. Expt. Sta. A. E. 154,6 p. Jan.1953. 281.9 R93

66948 CARNCROSS, J. W. Commercial truck crops for fresh market in New Jersey. N. J. Agr. Expt. Sta. A. E. 151,2 p. Dec.1952. 281.9 R93
Statistics.

66949 CARNCROSS, J. W. Production and price trends for asparagus for processing. Total acreage of asparagus in the United States, New Jersey and California. N. J. Agr. Expt. Sta. A. E. 145,9 p. Jan.1952. 281.9 R93

66950 CARNCROSS, J. W. Production and price trends of asparagus for processing. Total acreage of asparagus in the United States, New Jersey and California. N. J. Agr. Expt. Sta. A. E. 153,9 p. Jan.1953. 281.9 R93

66951 CARNCROSS, J. W. Production and price trends of tomatoes for processing. Trend in total production and price of tomatoes for processing in New Jersey. N. J. Agr. Expt. Sta. A. E. 152,11 p. Jan.1953. 281.9 R93

66952 CARNCROSS, J. W. Production and price trends of tomatoes for processing. Truck crops for processing. N. J. Agr. Expt. Sta. A. E. 144,16 p. Jan. 1952. 281.9 R93

66953 EICHINGER, J. Der bestand an obstgehölzen in den baumschulen in Bayern. Bayern in Zahlen 7:93-95. Mar.1953. 265 B34

66954 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Betriebsverhältnisse im gemüse-, obst- und gartenbau; ergebnisse der gartenbauerhebung vom 15. Oktober 1950. Germany. Statis. Bundesamt. Statis. der Bundesrepub. Deut. 26,347 p. Apr.1953. 265 G318

66955 MADHYA PRADESH. DEPT. OF LAND RECORDS. Final forecast of the potato crop, Madhya Pradesh, 1951-52. n.p.,1953. 1 p. 75.9 M26

66956 NEW YORK. BUR. OF STATISTICS. Statistics relative to the fruit industry in New York State, 1935-1951. N. Y. Dept. Agr. & Mkt. Bur. Statis. RMA Release 13,31 p. Apr.1953. 280.3939 N483
U. S. Department of Agriculture cooperating.

66957 PIFER, E. C. Graphs and tables give the valleys and peaks in 80-year production of Pennsylvania potatoes. Pa. Farmer 148:506-507. May 23,1953. 6 P383

66958 SCHMIDT, H. Die obsternte 1952. Hess. Obstbau 8:36-38. Mar.1953. 80 G1932

66959 U. S. BUR. OF AGRICULTURAL ECONOMICS. Florida vegetable crops; annual statistical summary, 1952, VIII, by J. B. Owens, J. C. Townsend, G. N. Rose, and D. L. Brooke. Orlando?1953? 122 p. 1.941 H8V526

66960 U. S. BUR. OF AGRICULTURAL ECONOMICS. June 15 sour cherry report. Washington,1952. 2 p. 1.941 S8C42

66961 U. S. PRODUCTION AND MARKETING ADMIN. Edible tree nuts: U. S. production and farm price, 1926 to date. Washington,1953. 1 p. 1.956 A2Ed4

66962 WURTTEMBERG. STATISTISCHES LANDESAMT. Die betriebs- und absatzverhältnisse im erwerbsmässigen gemüse-, obst- und gartenbau in Württemberg-Baden; die strukturwandlungen in den letzten 20 jahren; ergebnisse der gartenbauerhebung 1950. Beitr. z. Statis. von Württemb.-Baden 22,267 p. 1952. 265 B39
Badisches Statistisches Landesamt, joint author.

GRAIN AND GRAIN PRODUCTS

66963 ARONOVSKY, S. I. Recent advances in pulping straw in the United States. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:170-181. Dec.1952. 99.9 F73Fa

66964 BAINS, G. S., and BHATIA, D. S. Effect of moisture on the activity of oat lipase in the olive oil substrate system. Sci. & Cult. 18:387-388. Feb.1953. 475 Sci24

66965 BAKER, J. D. Evaluation of wheat crop production estimates. Agr. Econ. Res. 5:37-38. Apr.1953. 1 Ec7Agr

66966 BARRY, S. C. Competitive uses for grains. Canad. Soc. Anim. Prod. Proc. 1952:14-23. 49.9 Ea72
Statistics.
Includes discussion by H. K. Leckie.

66967 BELGIUM. INSTITUT NATIONAL DE STATISTIQUE. Résultats du recensement des emblavures d'hiver et du betail au 1er janvier 1953. Bruxelles,1953. 14 p. 258 St22Re

66968 BENSON, E. G. The rice industry in Trinidad. Internatl. Rice Comn. News Let. 4:3-6. Dec.1952. 59.9 In83N

66969 BERLINER, E. Die bedeutung der chemischen mehl- und ganzkornbehandlung für die deutsche müllerei. (Sum.) Deut. Müller-Ztg. 51:154. Apr,1,1953. 298.8 Su2

66970 BERLINER, E. Lagerung, trocknung, abstehen und konditionieren und deren einfluss auf die backfähigkeit. (Sum.) Deut. Müller-Ztg. 51:150-151. Apr.1,1953. 298.8 Su2
Flour.

66971 BERLINER, E., and KIPPER, W. Die verwendung von infraroten strahlen zur trocknung von gewaschenem getreide. Müllerei 6:199-200. Apr.4,1953. 298.8 M91

66972 BLACK, R. H. Improper testing equipment—and poor use of sampling devices cheat grain men. Grain & Feed Rev. 42(6):14. Feb.1953. 280.28 G78

66973 BOLTON, R. Serious problems confront terminal operators in Food & Drug campaign. Grain & Feed Rev. 42(7):18-19. Mar.1953. 280.28 G78
Grain sanitation program.

66974 BOSTON GRAIN AND FLOUR EXCHANGE. The twenty-eighth annual report, 1952. Boston,1953. 8 p. 287 B656

66975 BOURGOGNE, J. Journées du riz en Arles. Études d'Outre Mer 36:19-22. Jan./Feb.1953. 286.8 M35

66976 BRISLEY, L. Quality barley factors for terminal markets. Grain & Feed J. Consolidated 110(9): 22. May 13,1953. 298.8 G762

66977 BROEKHUIZEN, S. The quality of the 1952 crop of home-grown wheat and rye. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:32-39. 1953. 59.9 St5J
English summary.

66978 BURRELL, J. F. Feed and flour mills; management techniques. Milling 122:403-404,408. Apr.11,1953. 298.8 M622

66979 CALDWELL, C. G. Waxy corn after ten years. Chemurg. Digest 12(4):15-16,20-21. Apr.1953. 381 N213Na
Properties and uses of Amioca, the starch.

66980 CALIFORNIA HAY, GRAIN & FEED DEALERS ASSOCIATION. 29th annual convention review, Sacramento,1953. 10 p. 389.79 C12

66981 CANADA. DEPT. OF TRADE AND COMMERCE. List of grain elevators in the Western and Eastern Divisions licence year, 1952-53. Ottawa,1953. 232 p. 225 C1633

66982 CASE, L. U. S. Senate farm group told of problems caused by F & D grain sanitation program. Grain & Feed Rev. 42(8):8,55. Apr.1953. 280.28 G78

66983 COPP, L. G. L., and HULLETT, E. W. Results from growing of Hilgendorf wheat. New Zeal. J. Agr. 86: 123-124. Feb.16,1953. 23 N48J
Outstanding baking quality.

66984 DIENST, K. Mähdrusch-brotgetreide und vakuumtrocknung. Mühle 90:258. May 7,1953. 298.8 M89

66985 ECKARDT, O. Mikroskopische untersuchungen von mahlprodukten. Deut. Müller-Ztg. 51:175. (Cont.) Apr.15,1953. 298.8 Su2

66986 ECKARDT, O. Mikroskopische untersuchungen von mahlprodukten. Deut. Müller-Ztg. 51:199-200. (Cont.) Apr.29,1953. 298.8 Su2

66987 EISGRUBER, G. Neue wege bei der getreidereinigung. Müllerei 6:198-199. Apr.4,1953. 298.8 M91
Equipment.

66988 FORCELLA, G. Note on the problem of furfural. (In Italian.) Rass. Chim. 5:19-22. Jan./Feb.1953. 385 R18

66989 FROMONT, P., and DAUPHIN, J. Coût comparé du report et de l'importation en matière de blé. Acad. d'Agr. de France. Compt. Rend. 39:91-97. Jan.14/21,1953. 14 P215Bc
Includes discussion.

66990 FUSS, K. Gleichbleibende mehlqualitäten durch malzzusatz. Deut. Müller-Ztg. 51:198. Apr.29, 1953. 298.8 Su2

66991 GEMMILL, A. V. Pushbutton system cuts handling. Food Engin. 25(5):80-82,197. May 1953. 389.8 F737
Equipment for handling brewers grain.

66992 GONZALES TALLEDO, A. Perspectiva de la campaña triguera en Huancabamba y Ayabaca—Piura. Peru. Dir. Gen. de Agr. B. 3/4:80-81. First/Second Q. 1952. 9.8 P438

66993 HARRIS, R. H. Laboratory flour tests and their significance to the farmer. N. Dak. Agr. Expt. Sta. Bimon. B. 15:210-215. May/June 1953. 100 N813B

66994 HAYNE, D. W. Rat control for grain storage. Nowest. Miller (Milling Prod. Sect.) 249(19):7a-9a. May 12,1953. 298.8 N81

66995 HEBBS, L. G. S. Cereal straw pulping in the United Kingdom. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:155-161. Dec. 1952. 99.9 F73Fa

66996 HENDRICKSON, R. F. Wheat farmers wake up! Country Gent. 123(5):33,89-91. May 1953. 6 C833
Policy.

66997 HERBISON, H. W. Barley marketing changes in North Dakota. (Extr.) Amer. Brewer 86(5):52,56-57. May 1953. 390.8 Am3

66998 HIDDEMA, A. Der kardinalfehler der deutschen mahltechnik. Mühle 90:188-189. Apr.2,1953. 298.8 M89

66999 IWATA, H., MAESAWA, G., and ITO, T. Studies on wheat germ. VII. Preparation of KOJI (Aspergillus oryzae, molded). (In Japanese.) Jap. Soc. Food & Nutr. J. 5:223-224. 1953. 389.9 J27

67000 KASSER, A. S. Modern industrial pulping of straw and bagasse. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:182-190. Dec. 1952. 99.9 F73Fa

67001 KELLY, E. Pre-war & post-war milling; history and foresight. Milling 122:398,400,402. Apr.11, 1953. 298.8 M622

67002 KIPPER, W. Behandlung von weizen und roggen mit infraroten strahlen. Deut. Müller-Ztg. 51:151. Apr. 1,1953. 298.8 Su2

67003 KIRILOFF, N. Quick determination of sugars preexisting in flours. (In Italian.) Selez. di Tec. Molitoria 4,i.e.3(1,i.e.9):15-19. Jan.1953. 298.8 Se42

67004 KNAUFF, O. Der kardinalfehler der deutschen mahltechnik. Mühle 90:259. May 7,1953. 298.8 M89

67005 KRAFT, R. Flour and bread. (In Danish.) Tidsskr. f. Hush. 32:57-59. Apr.22,1953. 321.8 T43

67006 LAMBERT, J. G. La reduction de la freinte au maltage par l'emploi du sulfate de cuivre. Petit J. du Brasseur 61:279-284. (Cont.) Apr.17,1953. 390.8 P44

67007 LAMBERT, J. G. La reduction de la freinte au maltage par l'emploi du sulfate de cuivre. Petit J. du Brasseur 61:296-299. (Concl.) Apr.24,1953. 390.8 P44

67008 LAUTE. Mehlverkäufe unter falscher flagge. Mühle 90:205,249. (Cont.) Apr.9,30,1953. 298.8 M89
Germany.

67009 LAUTE. Unlauterer wettbewerb durch ascheunterschreitung. Mühle 90:191. (Concl.) Apr.2,1953. 298.8 M89
Germany.

67010 LEE, J. VAN DER, HARTGERINK, L., and LEIJEN, J. Zealand flour; production and properties in connection with the working up in the baking industry. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:65-72. 1953. 59.9 St5J
English summary.

67011 LERNER, J. Average prices under the International Wheat Agreement. Q. J. Econ. 67:298-305. May 1953. 280.8 Q2

67012 MCCONNELL, W. B. The spray drying of wheat gluten dispersions. (Abs.) Chem. Canada 5(5):43. May 1953. 381 C4236

67013 MCDONALD, C. E., and MILNER, M. Significance of the browning reaction in the deterioration of stored grain. (Abs.) Food Technol. 7(5,sup.):21. May 1953. 389.8 F7398

67014 MACLEOD, A. M., TRAVIS, D. C., and WREAY, D. G. Studies on the free sugars of the barley grain. III. Changes in sugar content during malting. Inst. Brewing J. 59:154-165. Ref. Mar./Apr.1953. 390.9 In7

67015 MACMASTERS, M. M. The structure of the corn kernel—its relation to processing. (Synopsis.) Amer. Miller & Processor 82(4):38-40. Apr.1953. 298.8 Am32

67016 MAJERT, E. Verspätete sackrückgabe; verjährung des anspruchs auf sacksicherungsgebühr. Schiedsspruch, 2:6-7. In Ernährungsdienst 8(44). Apr. 18,1953. 389.8 Er62
Flour sacks in Germany.

67017 MEY, W. Die not der deutschen mühlen. Verbraucher 7:164-166. Apr.4,1953. 280.28 K833

67018 MILLER, G. W. World foodgrain supplies. Econ. & Com. 2:118-120. Mar.5,1953. 280.8 P175

67019 MIRAGLIA, D. The problem of hard wheat. II. (In Italian.) Molini d'Italia 4:96-98. Mar.1953. 298.8 M73
English summary.

67020 MISSOURI GRAIN, FEED AND SEED ASSOCIATION. 1953 annual directory. Higginsville,1953. 221 p. 225 M69

67021 MISSOURI GRAIN WAREHOUSE DEPT. Annual report for the year 1951-1952. Kansas City,1952. 24 p. 59.9 M692

67022 MITCHELL, C. J. All elevator legs should be carefully checked and guarded. Grain & Feed Rev. 42(6): 12,54. Feb.1953. 280.28 G78

67023 MOLGORA, E. Grain policy of the Romans. (In Italian.) Alimentazione 3(3):25-29. Mar.1953. 389.8 AL45

67024 MULLER, F. M. Developments in straw pulping in the Netherlands. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod. Studies 3:162-169. Dec.1952. 99.9 F73Fa

67025 NARZISS, L. Die malze der ernte 1952 und ihre verarbeitung. Brauwelt 37:451-455. May 8,1953. 390.8 B732
Germany.

67026 NATIONAL FIRE PROTECTION ASSOCIATION. Standard of the National Board of Fire Underwriters for the prevention of dust explosions in flour and feed mills. Natl. Bd. Fire Underwriters. NBFU Pam. 61C,18 p. Aug.1952. 296.69 N212

67027 NATIONAL FIRE PROTECTION ASSOCIATION. Standard of the National Board of Fire Underwriters for the prevention of dust explosions in terminal grain elevators. Natl. Bd. Fire Underwriters. NBFU Pam. 61B, 18 p. Aug.1952. 296.69 N212

67028 NATIONAL FIRE PROTECTION ASSOCIATION. Standard of the National Board of Fire Underwriters for the prevention of dust ignitions in country grain elevators. Natl. Bd. Fire Underwriters. NBFU Pam. 64,8 p. Sept. 1952. 296.69 N212

67029 NEITZERT, K. Aus der betriebskontrolle von mühlen. Deut. Müller-Ztg. 51:152-154. Apr.1,1953. 298.8 Su2

67030 NEITZERT, K. Der gegenwärtige stand der untersuchungstechnik in den laboratorien. Deut. Müller-Ztg. 51:151-152. Apr.1,1953. 298.8 Su2

67031 NORMAN, A. E. Australia's promise of solution to world rice problem. New Commonwealth 25: 491-493. May 11,1953. 280.8 C88

67032 NORTHWESTERN MILLER. Almanack number; facts & figures of the flour, grain, feed & baking industries. Nowest. Miller 249(17,sect.2),144 p. Apr.28,1953. 298.8 N81

67033 NORWAY. STATENS KORNFORRETNING. Melding XXIII, budsjettåret 1951/1952 [The State Grain Marketing Commission. Report XXIII, fiscal year 1950/51] Oslo,1953. 99 p. 287 N83
Statistics.

67034 OLIVEIRA, J. G. DE. Statistics of our agricultural production. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:168-177. Sept.1952. 9.2 R325
Chiefly grains and potatoes.

67035 OLSON, O. Terminal grain inspector reviews Food & Drug sanitation program. Grain & Feed Rev. 42 (5):16,41. Jan.1953. 280.28 G78

67036 OPHOF, A. J. Control of rodents in stored grain. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:61-64. 1953. 59.9 St5J
English summary.

67037 OWENS, W. H. Wheat from Canada. Bakers' Natl. Assoc. Rev. 70:592-593. Apr.17,1953. 389.8 N214
The industry.

67038 PASCALE, M. DE. Production development of the Italian mill industry. (In Italian.) Molini d'Italia 4:100,102-104,106. Mar.1953. 298.8 M73
English summary.

67039 PORSTORFER, K. Auf optimale lagerungsverhältnisse im frühjahr achten! Mühle 90:215-216. Apr.16,1953. 298.8 M89
Grain.

67040 RACHNER. Zur braugerstenschau 1953. Hannoversche Land- u. Forstwirt. Ztg. 106:412. Apr.4, 1953. 18 H194
Analysis.

67041 ROMITO, G. The problem of hard wheat supply. (In Italian.) Molini d'Italia 4:54-55. Feb.1953. 298.8 M73
English summary.

67042 ROTSCH. A. Aktuelle lebensmittelrechtliche probleme bei mehl und backwaren. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:270. Apr.1953. 384 Z39
Germany.

67043 RUMPF, S., and LINDER, H. Infrarot in der mühle. Muhle 90:243-244. Apr.30,1953. 298.8 M89

67044 SCHMORL, K. Die asche und ihre verteilung im getreidekorn. Müllerei 6:205-206. Apr.11,1953. 298.8 M91

67045 SCHMORL, K., and SCHMORL, K. A. Zur frage der wasserbestimmung. Müllerei 6:261-262. May 9,1953. 298.8 M91
In Grain.

67046 SCHWEISHEIMER, W. Rye—the "black wheat." Amer. Miller & Processor 82(5):26,29,78,80-81. May 1953. 298.8 Am32

67047 SCHWEISHEIMER, W. Wheat: grain "king" the world around. Amer. Miller & Processor 82(4):23-24. Apr.1953. 298.8 Am32

67048 SHEFFIELD, L. Clean grain means extra profits. Nebr. Farmer 95(10):7,33. May 16,1953. 6 N27

67049 SIMONELLI, C. I. Importancia de la exacta determinación del peso hectolítrico en la comercialización de cereales. Rev. Nac. de Agr. 47(575):44-46. Mar. 1953. 9.4 R32

67050 SWORD, J. The quality of cereals and their industrial uses. Chem. & Indus. 17:389-397. Ref. Apr. 25,1953. 382 M31C

67051 TANTALEAN V., C. Plan de fomento de la producción de artículos alimenticios "programa del trigo." Peru. Dir. Gen. de Agr. B. 3/4:72-75. First/Second Q.1952. 9.8 P438

67052 TAYLOR, T. Instrumentation for the flour and cereal miller. I. Amer. Miller & Processor 82(5):32-34, 46,48. May 1953. 298.8 Am32

67053 TEYTEAU, S. Le marché mondial du riz. Coopération 23:22-25. Apr.1953. 280.28 C7845

67054 THALER, H., and KIERMEIER, F. Zur bestimmung des säuregrades von mehl und brot. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:173-177. Mar. 1953. 384 Z39

67055 TITLEY, A., and HAINES, H. D. A Warwickshire windmill. Milling 120:498-500. May 2,1953. 298.8 M622

67056 TOMLINSON, C. F. J. London's River and its association with the grain trade. Inst. Corn & Agr. Merchants. J. 4:1-3,5. Spring 1953. 10 In7

67057 TORNOW, E. Nachweis von gift und unkraut im getreide und mehl. München,1952. 56 p. 79 T63

67058 TUOMOLA, E. Arrangement of grain drying. (In Swedish.) Lant-Arbgivaren. 1:15-23. Feb.1953. 20 L292

67059 U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho wheat by Counties, 1952 crop. Boise,Idaho,1953. 2 p. 1.941 S8W563

67060 U. S. DEPT. OF AGRICULTURE. Statement on situation and prospects for feed and food grains, February 5, 1953. Washington?1953. 2 p. 1.90 A2St232
Includes prices.

67061 U. S. PRODUCTION AND MARKETING ADMIN. Sound grain fat acidity survey, 1952 crop. Washington, 1953. 17 p. 1.956 G76So8

67062 VAN VLACK, C. H. How to dry small grains and shelled corn. Hoard's Dairyman 98:479,488-489. May 25,1953. 44.8 H65

67063 VERGHESE, E. J. New and old rice. Madras Agr. J. 40:113-115. Mar.1953. 22 M262
Changes in storage.

67064 WAGENAAR, J. M. Grain prices in Argentina. (In Dutch.) Landbouwwereldnieuws 8:246-248. Apr.18, 1953. 12 L237

67065 WAILES, R. Lincolnshire windmills. Milling 120:468,470-471. Apr.25,1953. 298.8 M622

67066 WALKER, T. B. Less haste: more gain in marketing grain. Mktg. Activ. 16(4):10-14. Apr.1953. 1.942 A8M34

67067 WERDEN, H. VON. Mehlfestpreise und mühlenkontingentierung. Mühle 90:189-190. Apr.2,1953. 298.8 M89
Germany.

67068 WIMBUSH, J. T. New separator and stoner for Canadian millers. Canad. Milling & Feed 34(5):27, 29,47. May 1953. 298.8 C162

67069 WINDHAUSEN, C. Begriffsbestimmungen über buchweizenmehle und ihren schalengehalt. (Sum.) Z. f. Lebensmtl.-Untersuch. u -Forsch. 96:269. Apr.1953. 384 Z39

HONEY AND BEESWAX

67070 BOSSE, L. Causes de mévente du miel. Abeille et l'Erable 22:62-63. (Cont.) Apr.1953. 424.8 Ab32
Canada.

67071 CANONICA, R. How to treat honey. (In Italian.) Ape 37:23-25. Feb.1953. 424.8 Ap2

67072 HAZARD, K. F. Try Michigan's honey queen plan. Amer. Bee J. 93:194,223. May 1953. 424.8 Am3

67073 HELLWIG, E. Honigabsatz—honigreklame. Schweiz. Bienen-Ztg. 76:194-196. May 1953. 424.8 Sch9

67074 JOHNSON, L. H. Liquefying granulated honey. New Zeal. J. Agr. 86:199-200. Mar.16,1953. 23 N48J

67075 LEMOINE, M. L. Le miel, ses propriétés. Elites (n.s.)45:35-36. Feb.1953. 14 EL4

67076 MORRIS, E. W. T. Preparing honey and honey products for sale and show. Irish Beekeeper 7:78-79,85. (Cont.) Apr.1953. 424.8 Ir42
Extracting and bottling.

67077 PATERSON, C. R. Smooth granulation in honey. New Zeal. J. Agr. 86:116-118. Feb.16,1953. 23 N48J

67078 SMITH, S. R. Moving ahead without forgetting. (Abs.) Amer. Bee J. 93:195-196. May 1953. 424.8 Am3
Honey situation and outlook.

67079 STANLEY, J. F. Weights and measures legislation relating to the sale of honey. Bee Craft 35:69. May 1953. 424.8 B3925

67080 U. S. BUR. OF AGRICULTURAL ECONOMICS. U. S. honey and beeswax production, 1952. Washington, 1953. 8 p. 1.941 H8H75

67081 VILLUMSTAD, E. Hygroscopicity of honey and granulating properties of storage honey. (In Norwegian.) Nord. Bitidskr. 5:13-17. 1953. 424.8 N752

67082 WALLIS, E. Why not give the honey scheme a trial? Brit. Bee J. 81:216-217. Apr.2,1953. 424.8 B77
Grading.

LIVESTOCK AND LIVESTOCK PRODUCTS

67083 AL-AWKATI, H. The leather industry and its progress in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:538-540. Apr./June 1953. 22.5 Ir1
English summary, p. 18.

67084 ALLEN, G. R. The pig cycle in Great Britain. Pig Breeders' Gaz. 73:35,37,39-43. Apr.1953. 46.8 N21

67085 ANDERSSON, A. Horse reproduction in danger—too many foals are slaughtered. (In Swedish.) Lantmannen 37:430-431. May 2,1953. 11 L234

67086 BREIMYER, H. F. The general livestock situation and outlook—where do we go from here? Washington. U. S. Bur. Agr. Econ.,1953. 12 p. 1.941 A2B74
Talk before the West Virginia Livestock Marketing Association, Jackson's Mill, W. Va., Apr. 14, 1953.

67087 COLLINS, H. G. Our pastoral industry. Valuer 12:258-263. Apr.1,1953. 282.8 V24
Australia.

67088 CONFERENCE ON COLONIAL HIDES AND SKINS, LONDON, 1952. Summarised report of the proceedings. Colon. Plant & Anim. Prod. 3:83-134. 1953. 472 C71

67089 CUNHA, T. J., and others. The beef cattle industry of Florida. Fla. U. Bur. Econ. & Business Res. Econ. L. 12(4),4 p. Mar.1953. 280.9 F663
J. F. Hentges, M. Koger, A. M. Pearson, joint authors.

67090 CUNNINGHAM, D. How can we feed 100,000,000 cattle? Natl. Provisioner 128(19):58-60. May 9,1953. 286.85 N21
Situation.

67091 ESTEBAN, M. León y su riqueza ganadera. Cooperación [Madrid] 131:16-17. Jan.1953. 280.28 C7875

67092 FIALKA, K. Some aspects of leather industry in India. Tanner 7(11):19-21. Apr.1953. 303.8 T15

67093 FOLKS, S. J. U. of F. man returns from Dominican Republic tour. Fla. Cattleman 17(9):68-69. June 1953. 43.8 F66
Chiefly on beef and dairy cattle outlook.

67094 FRANCE. DIRECTION DE LA DOCUMENTATION. L'économie pastorale saharienne. France. Dir. de la Doc. Notes et Etudes Doc. 1730,67 p. Apr.21,1953. 280.9 F843

67095 FRASER, A. Stock; the state of animal husbandry. Farmers Wk. [London] 38(20):71. May 15, 1953. 10 F2226
Great Britain.

67096 GARVEY, F. A. An inside view of the chinchilla business. Black Fox Mag. & Mod. Mink Breeder 36(12):6-7,19,21. Apr.1953. 410 B56

67097 GEMMEKE. Der wanderschäfer. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:778-779. May 7,1953. 18 L2346

67098 GRAF, R. L. For the Armed Forces, new 7-way beef product. Natl. Provisioner 128(21):14-15. May 23, 1953. 286.85 N21

67099 HUGHES, C. E. The hide problem. West. Livestock J. 31(23):47,61,63-64,67,69-70. Apr.1953. 6 F2278

67100 HUGHES, C. E. The hide problem—one that concerns the entire livestock industry. Mont. Stockgrower 25(5):44-47. May 5,1953. 49 M76

67101 HUGHES, C. E. A special report: on the hide problem. Natl. Live Stock Prod. 31(7):13. May 1953. 280.38 N21

67102 KAMMLADE, W. G. The sheep industry—this way or that? Wool Sack 20(3):4. May 1953. 280.28 W88

67103 KREMEN, S. S., and O'FLAHERTY, F. A review of the technology of grease stains in cattlehide leather. Leather Mfr. 64(5):9-10. May 1953. 303.8 L484

67104 LANUS, A. J. Cómo afrontó Buenos Aires en 1818 la crisis en materia de carnes. Res 21:27680-27682. Jan.5,1953. 286.85 R31

67105 LA ROE, W. Meat industry in good position. Natl. Provisioner 128(19):72-74,76. May 9,1953. 286.85 N21

67106 LECKIE, H. K. Canadian meat trade in 1952. Canad. Food Indus. 24(5):28-30. May 1953. 286.83 C166

67107 LUNA Y CORTIÑAS, B. Nuestra ganaderia en el Centenario Martiano. Rev. de Agr. [Habana] (ser.8)36: 38-40. July 1952/Mar.1953. 8 Ag88Re
Situation.

67108 MAIOCCO, F. The meat crisis and the raising of rabbits. (In Italian.) Alessandria. Cam. di Com. Indus. e Agr. Rass. Econ. 6(4):2-4. Apr.1952. 287 AL24

67109 NATIONAL INDEPENDENT MEAT PACKERS ASSOCIATION. Report of the 12th annual convention, Palmer House, Chicago, Ill. April 27, 28, 29, 1953. Butchers' Advocate 133(19):8-13. May 13,1953. 286.85 B97

67110 ROYLE, C. West Indies meat trade has strange problems. Meat Mktg. 26(4):15. Apr.1,1953. 389.8 Im72

67111 SALA ROCA, E. La producción nacional de carnes. II. Inst. Agr. Catalán de San Isidro. Rev. 102:31-33. Feb.1953. 15 Sa5

67112 SIGNORELLI, S. Considerations on the possibilities and postulates of livestock progress in Ossola. (In Italian.) Cam. di Com. Indus. e Agr. di Novara. Not. Econ. 9(2):7-11. Feb.1953. 287 N85N
Cattle.

67113 STEPHENS, J. W. Economic outlook for beef cattle. Cattleman 39(12):26-27,100,102-105. May 1953. 49 C29

67114 STOPFORD, R. R. Increased meat production. Estate Mag. 53:151-152. Apr.1953. 10 Es8
Livestock policy.

67115 THOMPSON, J. E. Why not make lard more profitable? Natl. Provisioner 128(19):119-120. May 9, 1953. 286.85 N21
Problems of the industry.

67116 TOO MUCH meat? Fed. Reserve Bank Kans. City. Mon. Rev. 38(4):1-6. Apr.30,1953. 284.8 F31K
Supplies and prices.

67117 U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock report, 1953; livestock on farms, January 1. Oklahoma City,1953. 2 p. 1.941 H8L7554
Statistics.

67118 VUYST, A. DE. Réflexions sur notre économie porcine. Sillon Belge 23(556):1-2. Apr.18,1953. 13 Si3

67119 WIRTH. Die aussichten für die schweinehaltung 1953. Württemb. Wchnbl. f. Landwirt. 120:414-415. Apr.18,1953. 18 W96

67120 WOLFE, R. H. Rabbits are big business in California. Calif. Farm Bur. Mon. 34(4):12-13. Apr. 1953. 275.293 California

Analysis and Composition

67121 BAKER, L. C., LAMPITT, L. H., and BROWN, K. P. Connective tissue of meat. II. Determination of hydroxyproline. J. Sci. Food & Agr. 4:165-172. Apr. 1953. 382 So12

67122 BENSKIN, G. E. Some factors influencing the tear and tensile strength of split hide leather. Soc. Leather Trades' Chem. J. 37:126-142. Apr.1953. 303.9 So12

67123 HANSEN, R. P., and COOKE, N. J. The occurrence of n-decanoic acid in mutton fat. Biochem. J. 54: 14-16. Ref. Apr.1953. 382 B52

67124 MCLEAN, R. A., and SULZBACHER, W. L. Microbacterium thermosphactum, spec nov; a nonheat resistant bacterium from fresh pork sausage. J. Bact. 65:428-433. Ref. Apr.1953. 448.3 J82

67125 MAESER, L. Revision of the physical testing methods. Amer. Leather Chem. Assoc. J. 48:187-241. Apr.1953. 303.9 Am32
Methods set up by the joint committee of the American Leather Chemists Association and the Federal Specifications Board.

67126 NISHIHARA, Y., and FUJINO, Y. On the free amino acids in some animal products. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:142-145. Feb. 1953. 107.6 H68
English summary.
Cheese and meat.

67127 PETRIE, W. The evaluation of sole leathers; balanced information from analyses. Leather Trades' Rev. 108:60-61,64. (Cont.) Apr.8,1953. 303.8 L48

67128 QUIMBY, O. T., WILLE, R. L., and LUTTON, E. S. On the glyceride composition of animal fats. Amer. Oil Chem. Soc. J. 30:186-190. Ref. May 1953. 307.8 J82

Consumption and Utilization

67129 PRICHARD, G. L. Research needed on tallow and grease to develop markets. Cotton Gin & Oil Mill Press 54(10):60-61. May 9,1953. 304.8 C822

67130 RINOLDI, L. On the utilization of wool fat. (In Italian.) Mondo Tessile 8(2):50-51. Feb.1953. 304.8 M742

Distribution, Marketing, and Transportation

67131 ALLEN, G. H. Cattle marketing in U.S.A. Wesfarmers News 1(5):3-4. Feb.19,1953. 23 W51

67132 ARMSTRONG, J. Hitting the market early with Minidoka-plan lambs. Idaho Farmer 71:436. May 21, 1953. 6 G282

67133 BAKER, F. Changing markets: cattle, sheep, hogs. Canad. Soc. Anim. Prod. Proc. 1952:32-40. 49.9 Ea72
Domestic and foreign trade.
Includes discussion.

67134 CASSO, H. J., and WOODIN, M. D. Marketing practices of livestock producers in Louisiana. La. Agr. Expt. Sta. B. 471,18 p. Mar.1953. 100 L93

67135 COLVIN, E. M. Volume per store, big factor in cost of retailing meat. Agr. Situation [Washington] 37(5):3-4. May 1953. 1 Ec7Ag
Costs and returns.

67136 CONWAY, H. M. Economic yardstick measures strength of live markets. Natl. Live Stock Prod. 31(7):10. May 1953. 280.38 N21

67137 CUNHA, J. R. DA. The poor conditions of cattle transportation cause great damage to the livestock economy and to the nation. (In Portuguese.) Rev. dos Criadores 24(2):4-6. Feb.1953. 43.8 R32

67138 FREUDENBERG, W. Bericht über die häute- und fellmärkte der welt. Leder 4:58-64. (Cont.) Mar.15, 1953. 303.8 L492

67139 FREUDENBERG, W. Bericht über die häute- und fellmärkte der welt. Leder 4:85-88. (Cont.) Apr.15, 1953. 303.8 L492

67140 GARDNER, G. Getting an offering ready for sale. Duroc News 27(6):49,52,58. June 1953. 46.8 N212

67141 GEYER, J. Vente du bétail bovin de boucherie sous le régime de l'arrêté fédéral du 7 novembre 1948. Agenda de l'Agr. et du Vigneron 1953:207-210. 30.3 Ag33
Switzerland.

67142 GILLAIN, J. Abattoirs et transports frigorifiques au Congo Belge. Note complémentaire. Union Prof. des Eleveurs du Congo Belge. Note Doc. 28:16. Feb.1953. 49.9 Un34

67143 HARDY, M. J. The aeroplane as a meat carrier. Times Argentina 7(3119):28-29. May 4,1953. 286.8 T48

67144 HENDECOURT, VICOMTE R. D'. La généralisation des transports de viande frigorifiée au Katanga - Kasai est elle possible et désirable? Union Prof. des Eleveurs du Congo Belge. Note Doc. 28:13-15. Feb.1953. 49.9 Un34

67145 MACMURRAY, S. A. Why not have a tallow futures market? Natl. Provisioner 128(20):15-16,28. May 16,1953. 286.85 N21

67146 NORGES KJØTT OG FLESKESENTRAL. Årsberetning og regnskap [Annual report and accounts of the Meat and Bacon Exchange of Norway], 1952. Oslo, 1952. 53 p. 50.9 N76

67147 O'CONNELL, M. Hot tips on saving hogs. Equity Co-op. Livestock News 18(2):4. May 1953. 280.28 Eq5
Shipping.

67148 RHODES, G. Florida livestock auction statistics. For Sale, Want & Exch. B. 8:1. May 1,1953. 280.38 F74

67149 SAMPIER, J. Producers handled 10.6 million head or $2.6 million daily. Natl. Live Stock Prod. 31(7): 14-15. May 1953. 280.38 N21
Cooperative livestock marketing.

67150 SANDFORD, J. C. Would co-operative marketing help a British rabbit industry? Fur & Feather 116: 252. Apr.16,1953. 49 F96

67151 SIMONS, P. More value from hides. Leather Mfr. 64(5):13-17. May 1953. 303.8 L484

67152 STROHM, J., and BALL, J. We must modernize hog marketing—now! Country Gent. 123(5):36-37, 104-105. May 1953. 6 C833

67153 TAYLOR, C. E. What's wrong with our purebred sales? Nowest. Okla. Cattleman 8(4):6,10. May 1953. 43.8 N812

67154 WILLY, A. G. Amerikanische verkaufstechnik im fleischerladen. Osterr. Fleischhauer- u. Fleischselcher-Ztg. 16:3-4. (Concl.) Apr.18,1953. 50.8 Os7

67155 WILLY, A. G. Amerikanische verkaufstechnik im fleischerladen. I-II. Osterr. Fleischhauer- u. Fleischselcher-Ztg. 14:3; 15:3. Apr.4-11,1953. 50.8 Os7

67156 ZIMMERMANN. Betrachtungen zum fohlenmarkt und zur stutenschau in Sinsheim. Bad. Landwirt. Wchnbl. 120:414. May 2,1953. 18 B142

Grading, Inspection, Standardization, and Quality

67157 ARDERIU, V. M. Clasificación de pieles de conejo. Res 21:27708. Jan.5,1953. 286.85 R31

67158 ARMOUR AND CO. LIVESTOCK BUR. The current situation in beef grading. Armour's Anal. 1(11): 1-4. Mar.1953. 286.85 Ar52

67159 BANERJEE, M., and SARKAR, P. K. Standards for leather manufactured in India. Tanner 7(10):27-28. (Cont.) Mar.1953. 303.8 T15

67160 CHARRIA TOBAR, R. No se debe comer carne cruda. Rev. Nac. de Agr. 47(575):40-42. Mar.1953. 9.4 R32
Cause of tapeworms.

67161 GANGSAAS, H. A. H. Histological investigation of food for the purpose of judging quality. (In Norwegian.) Nord. Vetmed. 5(4,sup.):17-25. Apr.1953. 41.8 N813
Meat.

67162 GT. BRIT. MINISTRY OF FOOD. Meat inspection. Gt. Brit. Min. Food. Memo. 3,8 p. Nov.1952. 389.9 G79Me

67163 HANSEN, H. The fat swine. (In Danish.) Jydsk Landbr. 35:304-307. May 7,1953. 11 J99

67164 KEMP, J. D., BULL, S., and BEAN, H. W. The economy and nutritive value of different cuts of lamb of different grades. J. Anim. Sci. 12:338-346. May 1953. 49 J82

67165 KRAFT, A. A., and AYRES, J. C. Color changes in packaged bologna. (Abs.) Food Technol. 7(5, sup.):11. May 1953. 389.8 F7398

67166 MADELUNG, P. On what principles should the bacteriological inspection of sausages and other heat treated meat products be based? (In Danish.) Nord. Vetmed. 5(4,sup.):2-16. Apr.1953. 41.8 N813

67167 MARTENS, A. Rédhibition et—viande conditionnellement propre ou impropre à la consommation. I-II. Sillon Belge 23(555):20; (556):3. Apr.11-18,1953. 13 Si3

67168 PATRIZI, F. The new classification of beef. (In Italian.) Prog. Vet. 8:188,190. Mar.15,1953. 41.8 P942
Italy.

67169 RINSES, J. Meat inspection and general health theory. (In Dutch.) Keurmeester 44:73-76. Apr. 1953. 50.8 K51
Netherlands.

67170 SIMONPIETRI, R. H. La mejor piel de Karakul. Chacra 23(269):63,86. Apr.1953. 9 C34

67171 SIMONS, P. Ways to save the hide market. Natl. Provisioner 128(19):68-71. May 9,1953. 286.85 N21
Leather quality and promotion.

67172 TAPPEL, A. L., and EMERSON, M. R. Unsaturated fat oxidation catalyzed by hemin, hemoglobin, and cytochrome C. (Abs.) Food Technol. 7(5,sup.):21. May 1953. 389.8 F7398
In animal tissues.

67173 THORNTON, H. Textbook of meat inspection, including the inspection of rabbits, poultry and fish. Ed. 2. London,Baillière,Tindall & Cox,1952. 646 p. 50 T39

67174 WEIR, C. E. Variation in tenderness of the longissimus dorsi muscle in pork. (Abs.) Food Technol. 7(5,sup.):13. May 1953. 389.8 F7398

67175 WILLS, W. J. Experiences in marketing hogs on a live quality basis. Ill. Farm Econ. 212/213:1445-1447. Feb./Mar.1953. 275.28 IL5

67176 WUNDRAM, G., and SCHÖNBERG, F. Tierärztliche lebensmittelüberwachung. Ed. 6, rev. Berlin, Parey,1953. 412 p. 50 W96
Includes meat, poultry, and eggs.

Packing and Packaging

67177 GOESER, P. Meat shrinkage in packaged meats. Super Mkt. Merchandising 18(5):163-164,167, 170,172,175. May 1953. 389.8 Su7

67178 JOHNSON, T. L. How you can achieve operating economies in prepackaging franks. Natl. Provisioner 128(20):12-14. May 16,1953. 286.85 N21

67179 PANEL on prepackaging. Natl. Provisioner 128(19):80-82,85,87,90,93-94,96,99-100,103-104. May 9, 1953. 286.85 N21
C. Finkbeiner, moderator.
Meat.

Prices, Price Control, and Rationing

67180 CAROLIS, V. DE. Considerations on the price of livestock for slaughter. (In Italian.) Mondo del Latte 3:135-136,139. Mar.1953. 44.8 M74
English summary.
Italy.

67181 FIELDER, I. L. An analysis of the price and consumption level movements of meat. La. Rur. Econ. 15(2):2-3,6-7. May 1953. 281.8 L93

67182 JENISCH, V. Wie schützt sich der schwedische bauer vor preisverfall? Salzburger Bauer 8(16):1-3,7. Apr.16,1953. 19 Sa3
Livestock prices.

67183 MONTGOMERY, J. P. The outlook for beef cattle prices. La. Rur. Econ. 15(2):1,4-5,8. May 1953. 281.8 L93

67184 OSTLER, S. E. What is the price of meat? Meat Mktg. 26(5):16. Apr.15,1953. 389.8 Im72
Great Britain.

67185 TRUMP, F. Michigan feeders are avoiding a beef bust. Mich. Farmer 219:461. May 2,1953. 6 M58
Prices.

67186 WEIGLE, S., and WILLS, W. J. They're going to pay more for your meat-type hogs. Successful Farming 51(6):38-39,86-87. June 1953. 6 Su12

Processing and Storage

67187 BANERJEE, M., and SARKAR, P. K. Standard for leather manufactured in India. Tanner 7(11):11-15. (Cont.) Apr.1953. 303.8 T15
Tanning.

67188 DEBEUKELAER, F. L. Process for demanuring green hides. Leather Mfr. 64(4):21-22. Apr.1953. 303.8 L484

67189 DUNKER, C. F., and HANKINS, O. G. A study of freezing and thawing meats. (Abs.) Food Technol. 7 (5,sup.):13. May 1953. 389.8 F7398

67190 FIELDS, M. D., WEIR, C. E., and DUNKER, C. F. Composition and quality of commercially cured picnic shoulders. (Abs.) Food Technol. 7(5,sup.):13. May 1953. 389.8 F7398

67191 GOURLAY, P. A propos du finissage du cuir suède abrasifs et machines à poncer. Rev. Tech. des Indus. du Cuir 45:70-72. Apr.1953. 303.8 C89

67192 HANLEY, J. W., and others. Antioxidant treatment for bacon. (Abs.) Food Technol. 7(5,sup.):11. May 1953. 389.8 F7398
C. W. Everson, L. Q. Ashworth, and R. E. Morse, joint authors.

67193 HAY, P. P., HARRISON, D. L., and VAIL, G. E. Effects of a meat tenderizer on less tender cuts of beef cooked by four methods. Food Technol. 7:217-220. May 1953. 389.8 F7398

67194 LIEBMANN, L. E. Rail beef dressing a flexible system. Natl. Provisioner 128(19):61,66-67. May 9,1953. 286.85 N21

67195 MCTAVISH, R. L. Improve fats, oils in your own plant. Natl. Provisioner 128(19):121-123,149-150. May 9,1953. 286.85 N21

67196 MITTON, R. G. The mechanics of the process of drumming. Soc. Leather Trades' Chem. J. 37:109-126. (Concl.) Apr.1953. 303.9 So12

67197 NATIONAL INDEPENDENT MEAT PACKERS ASSOCIATION. [Proceedings, 12th annual meeting]. Meat 38(6):35-85,122-124. May 1953. 286.85 M464

67198 NATIONAL INDEPENDENT MEAT PACKERS ASSOCIATION. Proceedings of the 12th annual meeting. Natl. Provisioner 128(19):51-159. May 9,1953. 286.85 N21

67199 PFANNMULLER, J. Modern enzyme unhairing. Shoe & Leather Rptr. 270(7):13-16,18-19. May 16,1953. 303.8 Sh7

67200 PHILLIPS. The organisation and work of the British Leather Manufacturers' Research Association. Tanner 7(10):15-19. (Cont.) Mar.1953. 303.8 T15

67201 SHEA, K. G., and others. Vascular perfusion of animal parts. (Abs.) Food Technol. 7(5,sup.):11. May 1953. 389.8 F7398
I. S. Meyers, M. Rarick, R. E. Morse, and O. E. Schotte, joint authors.
Beef processing.

67202 SIMONCINI, E., and CRISCUOLO, I. Quick tanning with supersonics. (In Italian.) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Materie Concianti. B. 29: 82-91. Apr.1953. 303.8 It1

67203 SIMPSON, J. I., and CHANG, I. C. L. Effect of low freezer storage temperatures and wrapping materials on the quality of frozen meats. (Abs.) Food Technol. 7(5,sup.):11-12. May 1953. 389.8 F7398

67204 SKAAR, O. Sulphite cellulose extract in the tanneries. Tanner 7(10):22-24. Mar.1953. 303.8 T15

67205 SNEAD, T. W. A simplified cost system for the frozen meat packer. Quick Frozen Foods 15(9):145-146. Apr.1953. 389.8 Q4

67206 STUKIS, J. M., and BLAIR, J. M. Development of new canned meats for operational rations. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 5:33-39,42-43. First Q.1953. 389.9 As74A

67207 VAESKEN, A. Fases de la preparación para el curtido de cuero. Res 21:27913-27914. Apr.5,1953. 286.85 R31

67208 VIACAVA, A. M. Cortes de media res vacuna tipo carniceria. Res 21:27678-27679. Jan.5,1953. 286.85 R31

67209 WEISER, H. H., and others. Observations on fresh meat processed by the infusion of antibiotics. (Abs.) Food Technol. 7(5,sup.):11. May 1953. 389.8 F7398
H. S. Goldberg, V. R. Cahill, L. E. Kunkle, and F. E. Deatherage, joint authors.

67210 WRUK, P., and WECKEL, K. G. Effect of ascorbic acid on the color quality of processed pickled pigs' feet. Canner 116(18):22-23. May 4,1953. 286.83 C16

67211 WUDICH, W. Verschiedene anwendungsmöglichkeiten der formiatmaskierung bei der chromgerbung. Leder 4:82-85. Apr.15,1953. 303.8 L492
English summary.

67212 WURZIGER, J., and LINDEMANN, E. Erfahrungen mit importschmalz. I. Beiträge zur untersuchung und beurteilung. Fette u. Seifen 55:190-196. Mar.1953. 384 C422
Lard manufacture.

67213 ZIEMBA, J. V. Modernization triples its output. Food Engin. 25(5):69-71,188,190. May 1953. 389.8 F737
Meat packing.

Statistics

67214 AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Sheep distribution in Tasmania, 1936-37, and 1946-47. Canberra,1952. 20 p. 45 Au78T
Chiefly diagrams.

67215 CANADA. BUR. OF STATISTICS. Report on fur farms 1951. Ottawa,1953. 21 p. (D.B.S. Memorandum) 412.629 C162F

67216 CANON, J. J. De 1.420.000 reses fué el degüello de ganado vacuno en 1952. Colombia. Min. de Agr. B. Semanal de Mercad. y Precios Pecuarios en Bogotá 290:5-6. Mar.21,1953. 50.9 C71
Colombia.

67217 GERMANY. (FEDERAL REPUBLIC, 1949-) STATISTISCHES BUNDESAMT. Der schweinebestand im Bundesgebiet; vorläufiges ergebnis der viehzwischenzählung am 3. März 1953. Germany. Statis. Bundesamt. Statis. Ber. III/15/24,5 p. Apr.14,1953. 265 V58

67218 LERCH, D. How accurate are the U.S.D.A.'s cattle estimates? Breeder-Stockman 14(12):11,81. May 1953. 49 V81

67219 MADRAS PRESIDENCY. OFF. OF THE ECONOMIC ADVISER. Census of livestock, poultry, agricultural machinery and implements in Madras State in 1951. Madras,1952. 10 p. 269.56 M26C

67220 MUSGER, K. Stand der milchkühe und kalbinnen, 2 jahre alt und älter am 3. Dezember 1952. Österr. Milchwirt. 8:85-87. Apr.7,1953. 44.8 Os72
Statistics.

67221 RUMKER, J. VON. Steigende fruchtbarkeit—beschleunigter umschlag. Deut. Landwirt.-Gesell. Mitt. 68:386-387. Apr.16,1953. 18 N39
Swine statistics.

67222 SCHRADER, F. M. Factors affecting hog production. Ottawa,Canada.Dept. Agr. Mktg. Serv.,Econ. Div.,1953. 11 p. 281.346 Sch6
Statistical.

67223 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 25. Census year 1950-51. Special report series, No. 2. Live-stock. Pretoria,1953. 66 p. 270 So87L

67224 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 25. Census year 1950-51. Special report series, No. 3. Live-stock losses. Pretoria,1953. 35 p. 270 So87L

67225 U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition, and income, meat animals 1951-1952, by States, by E. B. Hannawald and R. Potas. Washington,1953. 8 p. 1.9 Ec71Fp

67226 U. S. BUR. OF AGRICULTURAL ECONOMICS. Pig crop report, December 1952. Washington,1952. 8 p. 1.9 Ec742Pi

OILS AND OILSEEDS

67227 ACKER, L. Kakaobutter mit abweichenden eigenschaften. (Abs.) Angew. Chem. 65:166-167. Mar. 21,1953. 384 Z33

67228 ACKER, L. Kakaobutter mit abweichenden eigenschaften. (Sum.) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:276. Apr.1953. 384 Z39

67229 AMERICAN OIL CHEMISTS' SOCIETY. LITERATURE COMMITTEE. Annual review of literature on fats, oils, and soaps. I. Amer. Oil Chem. Soc. J. 30:197-212. May 1953. 307.8 J82
M. M. Piskur, chairman.

67230 ARNOLD, L. K., and PATEL, D. J. Effect of moisture on the rate of solvent extraction of soybeans and cottonseed meats. Amer. Oil Chem. Soc. J. 30:216-218. May 1953. 307.8 J82

67231 ASSOCIATION OF AMERICAN SOAP AND GLYCERINE. PRODUCERS FATTY ACID DIV. Fatty acids prepared for action from nature's chains. New York,1952. 18 p. 387.1 As722

67232 BALBI, G. Dehydroxylated oils. (In Italian.) Olearia 7:15-30. Ref. Jan./Feb.1953. 307.8 OL2
English summary.

67233 BATTENFIELD, A. Seed cleaning. Oil Mill Gaz. 57(10):37-38. Apr.1953. 307.8 Oi53
Cottonseed.

67234 BERGNER, K. G. Ein neuerlicher fall einer trikresylphosphat-vergiftung. (Abs.) Angew. Chem. 65: 165. Mar.21,1953. 384 Z33
In fat.

67235 BLAIR, E. H., MITCHELL, H. L., and SILKER, R. E. Isolation and characterization of constituents of alfalfa wax. Indus. & Engin. Chem. 45:1104-1106. May 1953. 381 J825

67236 CALIFORNIA. BUR. OF MARKETS. Food trade marketing survey for canned ripe olives, by J. P. Randolph. Sacramento,1953. 70 p. 280.32 C12F

67237 CANTRELL, W. C. Cleaning cotton seed in the oil mill. Oil Mill Gaz. 57(10):45-47. Apr.1953. 307.8 Oi53

67238 CHANG, I. C. L. Photometric determination of peroxide value. (Abs.) Food Technol. 7(5,sup.):13-14. May 1953. 389.8 F7398
In oils and fats.

67239 CHOPRA, G. M., and others. Determination of oil in oil seeds (rapid method). Indian J. Agr. Sci. 22:183-188. June 1952. 22 Ag83I
B. G. Chatterjee, R. G. Sehgal, A. C. Bose, and K. C. Gulati, joint authors.

67240 COBERLY, W. B. The Government program for cottonseed. Cotton Gin & Oil Mill Press 54(9):43-46. Apr.25,1953. 304.8 C822

67241 DAYEN, W. R., CHRISTENSEN, K. M., and MORSE, R. E. Low temperature, high speed rendering—the Kingan process. (Abs.) Food Technol. 7(5,sup.):12. May 1953. 389.8 F7398
Oils.

67242 DECK, E. M. Another outlet for vegetable oils from American farms; Mellorine, a nutritious new product made with soybean and cottonseed oils, can become another major market after clarifying legal action. Oil Mill Gaz. 57(10):70-72. Apr.1953. 307.8 Oi53

67243 DELMOUZOS, J. G., STADTMAN, F. H., and VAUGHN, R. H. Malodorous fermentation; acidic constitutents of zapatera of olives. J. Agr. & Food Chem. 1: 333-334. Ref. May 13,1953. 381 J8223

67244 DOMINGO, W. E. Castor beans in agriculture and industry. Chemurg. Digest 12(4):14-15. Apr.1953. 381 N213Na

67245 DORAN, A. B. Tall oil—basic material for the paint industry. Paint Indus. Mag. 68(4):7-10. Apr.1953. 306.8 D84

67246 DUPUIS, R. L'extraction de l'huile de palme. Rev. Internatl. des Prod. Colon. 28:79-80. Apr.1953. 286.8 R326

67247 FRIEDERICH, J. C. The culture of oilseeds in Sweden and the Netherlands. (In Dutch.) Nieuwe Veldbode 19:571-572. Apr.16,1953. 12 V542N
Situation.

67248 GUENTHER, E. The French lavender and lavandin industry today. Drug & Cosmetic Indus. 72:618-619,692-697. May 1953. 396.8 D842

67249 GUENTHER, E. Recent developments in the field of essential oils. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 35:118-120. (Cont.) Mar.15,1953. 308.8 R52

67250 HAHN, R. Beimischungszwang von inländischem rüböl und feintalg bei margarine. Fette u. Seifen 55:208-209. Mar.1953. 384 C422

67251 HUDSON, E. Solvent and pre-pressing over expellers. Oil Mill Gaz. 57(10):32-33. Apr.1953. 307.8 Oi53
Cottonseed oil.

67252 JONES, O. Debittered soya. Food Mfr. 28: 185-186. May 1,1953. 389.8 F736
Soybean products situation.

67253 KAUFMANN, H. P., and BALTES, J. Polarographische untersuchungen auf dem fettgebiet. I. Fette u. Seifen 55:153-159. Mar.1953. 384 C422

67254 KEETON, R. The outlook for oilseeds and products markets. Cotton Gin & Oil Mill Press 54(10): 57,74-78. May 9,1953. 304.8 C822

67255 KHAN, A. Utilisation of wastes and by-products of the vegetable oil and allied industries. Sci. Club. J. 6:122-132. Ref. Dec.1952/Feb.1953. 475 Sci29

67256 KLEINERT, J. Schokoladenerzeugnisse und fettreifverhütung. Zucker- u. Süsswaren-Wirt. 6:332. (Concl.) Apr.20,1953. 286.86 Z8
Cocoa butter.

67257 LANG, J. V. New hydroxy fat compounds for Canada. Chem. Canada 5(5):66,68. May 1953. 381 C4236
Castor oil.

67258 LIPS, H. J., PROMISLOW, A. L., and GRACE, N. H. Characteristics of deodorized-polymerized oils. Amer. Oil Chem. Soc. J. 30:213-216. Ref. May 1953. 307.8 J82

67259 LONCIN, M. Etude de l'altération de l'huile de palme. Rev. des Ferment. et des Indus. Aliment. 8: 21-27. (Cont.) Feb.1953. 390.08 R32

67260 MADHYA PRADESH. DEPT. OF LAND RECORDS. Final forecast of the til [sesame] crop of Madhya Pradesh for the season 1952-53. n.p.,1953. 1 p. 77.9 In29T

67261 MARIANI, E. Olive culture and oilseeds. (In Italian.) Rass. dell'Agr. Ital. 8(3):20-22. Mar.1953. 281.8 R18
The industry.

67262 MARKELY, K. S. El aceite de coco. Serv. Téc. Interamer. de Coop. Agr. B. 114,36 p. 1952. 307.9 Se6

67263 MEHTA, T. N., and others. Urea-adducts of fatty acids. I. Sesame and linseed oil fatty acids. Indian Chem. Soc. J. Indus. & News Ed. 15:97-110. Ref. 1952. 385 In27A
C. V. N. Rao, D. N. Lingam, S. N. Shah, and G. S. Prabhu, joint authors.

67264 MERKEL, C. M., and GERDES, F. L. Effects of ginning roughly harvested cotton on foreign matter content of cottonseed. Cotton Gin & Oil Mill Press 54 (10):17-18,72-73. May 9,1953. 304.8 C822

67265 MOITREL, P. Le contrôle dans les hulleries de palme et l'amélioration du rendement. Rev. Internatl. des Prod. Colon. 28:81-83. Apr.1953. 286.8 R326

67266 NATIONAL OIL MILL SUPERINTENDENTS. WEST COAST DIV. Proceedings, sixth divisional meeting, March 21, 22, 1953, San Francisco, California. Oil Mill Gaz. 57(10):29-43. Apr.1953. 307.8 Oi53

67267 O'CONNOR, R. T., and others. A method for the determination of linoleic acid and conjugated dienoic acids in materials containing eleostearic acids. Amer. Oil Chem. Soc. J. 30:182-186. May 1953. 307.8 J82
D. C. Heinzelman, F. C. Pack, and R. W. Planck, joint authors.

67268 OFELT, C. W., SMITH, A. K., and BELTER, P. A. Crumb softness from soy fractions. (Abs.) Food Technol. 7(5,sup.):21. May 1953. 389.8 F7398

67269 OLSEN, W. F. When peanuts aren't peanuts. Confectioner 37(12):28. Apr.1953. 389.8 N81
Policy.

67270 PENNY, N. M. Economic aspects of peanut marketing. Ga. Agr. Expt. Sta. B. 273,50 p. July 1952. 100 G29S

67271 POLLAK, A. Tall oil. Soap & Sanit. Chem. 29 (5):42-45,81. Ref. May 1953. 307.8 So12

67272 PRICHARD, G. L. The fats and oils situation. Washington, U. S. Prod. & Mktg. Admin.,1953. 6 p. 1.956 F26P93
Address at the 1953 annual convention of the National Fisheries Institute, Washington, D. C., Apr. 14, 1953.

67273 PRICHARD, G. L. Outlook for flaxseed and linseed oil, 1953. Washington,U. S. Prod. & Mktg. Admin., 1953. 8 p. 1.956 F26P93
Address at annual meeting of the Flax Institute of the United States, Minneapolis, Minn., Nov. 7, 1952.

67274 PRICHARD, G. L. Research needed to open new tallow-grease markets. Butchers' Advocate 133 (18):10-11. May 6,1953. 286.85 B97

67275 RAPANELLI, F. Olive processing. (In Italian.) Oleario 3(5):1-2. Mar.15,1953. 94.7 OL2

67276 REBOUR, H. Situation de l'oléiculture algérienne en 1953. Rev. Internatl. des Prod. Colon. 28: 75,77-78. Apr.1953. 286.8 R326

67277 REUTER, F. H. Modern edible fats. Roy. Austral. Chem. Inst. Proc. 20:23-26. Feb.1953. 385 Au72

67278 ROBERT, C. Le marché français des tourteaux en 1952. Oléagineux 8:299-301. May 1953. 77.8 OL2

67279 RODRIGUEZ DE LA BORBOLLA Y ALCALA, J. M., GUTIERREZ G. QUIJANO, G., and VAZQUEZ LADRON, R. Estudios sobre el enranciamiento del aceite de oliva. IV. Ensayos con la prueba de Schaal. Soc. Espan. de Fís. y Quím. An. Ser. B, Quím. 49:255-262. Mar.1953. 385 So16
English summary.

67280 ROY, B. R. Colour reaction and antioxidant value of sesame oil towards carotene in vanaspati. Indian Chem. Soc. J. Indus. & News Ed. 15:171-174. Ref. 1952. 385 In27A

67281 RUSSELL, A. R. Report to NCPA [National Cottonseed Products Association] on new product: Mellorine—a market for cottonseed oil. Cotton Gin & Oil Mill Press 54(11):47-50. May 23,1953. 304.8 C822

67282 SAINT, F. H. Seed crushing industry. Inst. Corn & Agr. Merchants. J. 4:4-9,25. Spring 1953. 10 In7
Great Britain.

67283 SANKAR, D. V. S. Proteins and other nitrogenous constituents of the castor seed. IV-V. Indian Chem. Soc. J. Indus. & News Ed. 15:144-162. Ref. 1952. 385 In27A
IV, Interactions of the castor seed globulin with salts; V, Studies on the homogeneity of the castor seed globulin.

67284 SASTRY, S. G. Indian (Mysore) linaloe oil. Soap 6(2):3-8. (Cont.) Feb.1953. 307.8 So14

67285 SCHLENKER, E. Grundlagen und neuere entwicklung der fettspaltung. Seifen-Ole-Fette-Wachse 79: 179-181. (Cont.) Apr.15,1953. 307.8 Se4

67286 SCHLENKER, E. Grundlagen und neuere entwicklung der fettspaltung. Seifen-Ole-Fette-Wachse 79:223-225. (Cont.) Apr.29,1953. 307.8 Se4

67287 SCHWAB, A. W., and others. The flavor problem of soybean oil. XII. Amer. Oil Chem. Soc. J. 30: 177-182. Ref. May 1953. 307.8 J82
P. M. Cooney, C. D. Evans, and J. C. Cowan, joint authors.

67288 SPEIGHT, W. L. Ferdinando Costa perservered with olives at the Cape. Food Indus. So. Africa 5(12):48. Apr.1953. 389.8 F7372
The industry.

67289 TAMBORINI, H. L. Storing crude cottonseed oil. Oil Mill Gaz. 57(10):41-42. Apr.1953. 307.8 Oi53

67290 TOLLENAAR, F. D. Some recent experiments with antioxidants. (In Italian.) Olearia 7:5-14. Jan./Feb. 1953. 307.8 OL2
English summary.

67291 UTTAR PRADESH. DEPT. OF AGRICULTURE. Annual memorandum on the ground-nut crop for the year 1952-53. Lucknow,1953. 1 p. 77.9 Un3

67292 UTTAR PRADESH. DEPT. OF AGRICULTURE. Final estimate of the til (sesamum or jinjilli) crop for 1952-53. Lucknow,1953. 1 p. 77.9 In28T

67293 VAHLTEICH, H. W., and others. Esters of citric acid in stabilizing edible oils. (Abs.) Food Technol 7(5,sup.):20-21. May 1953. 389.8 F7398
C. M. Gooding, C. F. Brown, and D. Melnick, joint authors.
Vegetable oils.

67294 VANDERWEYEN, R. Comment déterminer la richesse en huile des fruits ou des régimes d'une palmeraie? Inst. Natl. pour l'Etude Agron. du Congo Belge. B. d'Inform. 2:31-50. In Belgium. Min. des Colon. B. Agr. du Congo Belge 44(1). Feb.1953. 24 K83
Africain oilpalm.

67295 VIZERN, and GUILLOT. Méthode d'examen des huiles: réaction spécifique de l'huile de colza. Oléagineux 8:197-201. Apr.1953. 77.8 OL2

67296 WACHS, W. Uber eine verbesserte molekular-destillations-apparatur nach Utzinger und ihre anwendung bei fettchemischen arbeiten. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:168-173. Mar.1953. 384 Z39

67297 WEILL, CESARD, and LAJOUSE. Beurre, margarine, soya. France. Min. de l'Agr. Rev. Etudes & Monog. 81:293,295-297,299-306. Apr.1953. 281.8 F84
The industries in various countries.

POULTRY AND POULTRY PRODUCTS

67298 AIRAN, J. W., and KALYANKAR, D. G. Guinea fowl egg fat. Indian Chem. Soc. J. Indus. & News Ed. 15:175-177. 1952. 385 In27A

67299 BECKER, C. A. Egg marketing by retail stores in Pennsylvania. Pa. Agr. Expt. Sta. B. 561,50 p. Jan. 1953. 100 P381

67300 BLOW, W. L., and GLAZENER, E. W. The egg comes first. Res. & Farming [N. C. Sta.] 10(3):14. Winter 1952. 100 N81R
Eggs for hatching.

67301 BOWRING, J. R., and WALLACE, W. H. Expansion opportunities for the New Hampshire poultry meat industry. I. The competitive position of the industry. N. H. Agr. Expt. Sta. B. 395,15 p. July 1952. 100 N45

67302 COLVIN, R. N. Fish and fowl: more pre-cut angles. Food Serv. 15(4):26-27. May 1953. 389.2538 F732

67303 CUSHMAN, H. E. Egg quality demonstrations help consumption. Amer. Poultry J. East. Ed. 84(5):13, 20. May 1953. 47.8 Am32

67304 DAVIS, B. H. A new poultry industry organization. Ark. Poultry Impr. Assoc. Ybk. 1953:36-37. 47.9 Ar4
Arkansas Poultry Association.

67305 DAVIS, B. H. Turkey broilers. Ark. Poultry Impr. Assoc. Ybk. 1952:58-59. 47.9 Ar4
The industry.

67306 DOANE AGRICULTURAL SERV. What to expect in the poultry industry. Farm Mangt. 2(6):57-59. May 1953. 281.9 F2225

67307 DOUGHERTY, L. A., CHARLES, T. B., and ATWOOD, A. M. Marketing New Hampshire hatching eggs. N. H. Agr. Expt. Sta. B. 392,23 p. July 1952. 100 N45

67308 EGGERSH, E. Bekenntnis zur freiheit; (ein beitrag zur frage des eierabsatzes). Deut. Wirtgeflügelzucht. 5:437. May 2,1953. 47.8 D483

67309 EYNON, D. Clean eggs for a better market. Ohio. State U. Agr. Student 59(4):9. Apr.1953. 6 Ag84

67310 FISCHER, C. M. Competition in the marketing of chickens in Oregon. Eggsaminer 30(5):6,22. May 1953. 286.85 Eg32

67311 GABRIELIDIS, B. Currants and poultry industry. (In Greek.) Ptenotrophikon Delt. 20:6-8. (Cont.) Feb./Mar.1953. 47.8 P952

67312 GOBLE, J. W., and MUSSEHL, F. E. Our egg marketing job. Nebr. Agr. Col. Ext. E. C. 1321,9 p. Feb. 1952. 275.29 N272Ex

67313 GRAY, R. E. Idiosyncrasies in egg marketing. Amer. Hatchery News 28(5):12-15. Jan.1953. 47.8 In83

67314 GROLLERON. Relevez vos oeufs sans pénétrer dans le poulailler. Rustica 26:341,367. (Cont.) Apr.12-19,1953. 14 R92

67315 HIX, H. Eiererzeugung stieg auf 5, 5 mrd. stück. Agrarpolit. Presse-Korresp. 6:18-20. Apr.15, 1953. 281.8 Ag892
Statistics for Germany.

67316 HOLMES, N. E. Home produced eggs; some problems of successful marketing. Gt. Brit. Min. Food. B. 696:3-8. Apr.4,1953. 389.9 G79B

67317 IGLESIAS AMEIJEIRAS, E. Estructuración orgánica de la avicultura. Reus Avic. 2:242-244. Mar.1, 1953. 47.8 R31
Organization and administration of the Grupo Nacional de Avicultura.

67318 KASTNER, F. Bundesarbeitsgemeinschaft für das Deutsche Frischei gegründet. Eier-, Wild-, Geflügel- u. Honig-Markt 5(39):1-2. Apr.1,1953. 280.38 E13

67319 KAUFFMAN, H. H. Will the pendulum swing too far? Everybodys Poultry Mag. 58(5):8,25. May 1953. 47.8 F213P
Turkey industry.

67320 KELLEY, D. What's our potential market? Poultry Supply World 30(4):16. Apr.1953. 47.8 B11

67321 KIERMEIER, F., and others. Uber die veränderungen des calcium- und phosphatgehaltes von eiern bei der lagerung in kalkwasser. Z. f. Lebensmtl.-Untersuch. u. -Forsch. 96:248-251. Apr.1953. 384 Z39
E. Coduro, W. Köberlein, and E. Rickerl, joint authors.

67322 KOONTZ, C. H., DARROW, M. I., and ESSARY, E. O. Factors influencing tenderness of principal muscles composing the poultry carcass. (Abs.) Food Technol. 7(5,sup.):12. May 1953. 389.8 F7398

67323 KORTH, S. Wandlungen der saisonbewegungen auf dem eiermarkt. Agrarwirtschaft 2:112-115. Apr. 1953. 281.8 Ag826
Germany.

67324 LISET, F. Eggs must be cooled as milk. (In Norwegian.) Landbrukstidende 59:333-334. Apr.29,1953. 11 L236

67325 MARCHIORI, D. Observations on the poultry industry in Denmark, Holland and Switzerland. (In Italian.) Agr. delle Venezie 7:134-140. Mar.1953. 16 Ag826

67326 MILLER, J. D., and RINEAR, E. Poultry school results. Mktg. Activ. 16(4):15-16. Apr.1953. 1.942 A8M34
Marketing of eggs and poultry.

67327 MORRIS, R. H. Thin-shelled eggs. West. Austral. Dept. Agr. J. (ser.3)2:33,35,37-39,41,43,45. Jan./Feb.1953. 23 W52J

67328 PARNELL, E. D., and others. Storage tests on frozen fryers packed with and without water. Tex. Agr. Expt. Sta. Prog. Rpt. 1574,9 p. Apr.18,1953. 100 T31P
O. D. Butler, S. Cover, and W. H. Smith, joint authors.

67329 PERIN, J. Prévention de l'altération des oeufs destinés à une conservation prolongée. Indus. Agr. et Aliment. 70:297-298. Apr.1953. 383 As7
English summary.

67330 PROCOPIO, M. Aging of eggs and its determination. (In Italian.) Alimentazione 3(3):13-16. Mar. 1953. 389.8 AL45

67331 REYNOLDS, D. Arkansas clicks on broiler chicks. News Farmer Coop. 20(3):3,6. June 1953. 166.2 N47

67332 RIST, E. Zum problem der eier-einlagerung. Eier-, Wild-, Geflügel- u. Honig-Markt 5(44):1-2. Apr. 15,1953. 280.38 E13
Germany.

67333 ROBINSON, J. L. Egg basket co-op fills the bill. News Farmer Coop. 20(2):3,13-14. May 1953. 166.2 N47

67334 ROMER, R. R. Der wert und die werterzeugung der deutschen geflügelwirtschaft 1952. Eier-, Wild-, Geflügel- u. Honig-Markt 5(44):3-5. Apr.15,1953. 280.38 E13

67335 ROY, P. Marketing broilers in Louisiana. La. Rur. Econ. 15(2):3,8. May 1953. 281.8 L93

67336 SALWIN, H., BLOCH, I., and MITCHELL, J. H. Dehydrated stabilized egg; importance and determination of pH. (Abs.) Food Technol. 7(5,sup.):20. May 1953. 389.8 F7398

67337 SHRADER, H. L. Fryer-roasters fit into the picture; small birds are popular for year around use with the general consumer in America. Norbest Turkey News 17(10):3-4,7. Apr.1953. 47.38 N75

67338 SMITH, R. M. Chicken meat production highly specialized. Ark. Poultry Impr. Assoc. Ybk. 1953:39-41. 47.9 Ar4

67339 SNYDER, E. S., TRUSCOTT, J. H. L., and WAYGOOD, E. R. Experiments on the freezing of poultry. Poultry Sci. 32:383-391. May 1953. 47.8 Am33P

67340 TERMOHLEN, W. D. Quality versus volume. (Condensed.) Soeast. Poutryman 6(4):5,16-22. Apr.1953. 47.8 So872

67341 THEODOROS, G. When chicks are being transported. (In Greek.) Ptenotrophikon Delt. 20:21-23. Feb./Mar.1953. 47.8 P952

67342 TROTEREAU. Sur les oeufs. Crèmerie Franç. 298:23-24. Apr.14,1953. 44.8 C867
The industry.

67343 TUKKER, J. G. Quality of eggs and selection. (In Dutch.) (Excerpts.) Pluimveeteelt 6(5):1-2. Feb.27, 1953. 47.8 P722

67344 WESTERMARCK, N. Observations on the American poultry industry. (In Swedish.) Lantm. och Andelsfolk 26:121. Apr.30,1953. 20 L29

RUBBER AND RUBBER SUBSTITUTES

67345 AIGUEPERSE, J. M. D'. The vitality of the rubber industry in France. Rev. Gén. du Caoutchouc 30: 306,308. May 1953. 305.8 R32

67346 BESKINE, J. M. The potentialities of rubber as a raw material for agricultural machinery construction. I. World Crops 5:199-202. Ref. May 1953. 281.8 W892

67347 BLACK, C. P. Rubber at the 1952 Smithfield Agricultural Show. Rubber Devlpmt. 6:28-31. Spring 1953. 305.8 R828
Uses in farm equipment.

67348 CONTE, M. La plastification du caoutchouc au sein du latex. Rev. Gén. du Caoutchouc 30:262-264. Ref. Apr.1953. 305.8 R32
English summary, p. 266.

67349 DECKER, H. C. J. DE. Problems of rubber production in Indonesia. Rev. Gén. du Caoutchouc 30:311-313. May 1953. 305.8 R32

67350 GEE, G. The international organisation of research and development in the natural rubber industry. World Crops 5:181-184. May 1953. 281.8 W892

67351 GONZALEZ, A. G., and BRETON, J. L. Aportación al estudio del latex de las "Euphorbias canarias." VIII-IX. Soc. Espan. de Fís. y Quím. An. Ser. B, Quím. 49:223-244. Mar.1953. 385 So16
English summary.

67352 GRIST, D. H. The plantation rubber industry. World Crops 5:175-180. May 1953. 281.8 W892
Position of natural rubber challanged by competition from reclaimed and synthetic rubber.

67353 HACKEMANN, A. Kautschuk und lebensmittel. Leben u. Umwelt 9:165-166. Apr.1953. 410 L49
Use of rubber in the food industry.

67354 HEINISCH, K. F. The dirt content of raw rubber. (In Dutch.) Bergcultures 22:109,111,113,115. Mar.16,1953. 22.5 B45
English summary.

67355 HEINISCH, K. F. Enquête sur la teneur en impuretés du caoutchouc naturel. Rev. Gén. du Caoutchouc 30:228-231. Apr.1953. 305.8 R32

67356 HERBETTE, F. L'accroissement de la production américaine de caoutchouc artificiel. Rev. Gén. du Caoutchouc 30:238-239. Apr.1953. 305.8 R32

67357 JONES, H. C., and KLAMAN, C. A. Zinc oxide in latex. II. The influence of zinc oxide on colloidal stability. Rubber Age 73:63-70. Apr.1953. 305.8 R82

67358 LOCKWOOD, W. S. The future of natural rubber in the U.S.A. Rev. Gén. du Caoutchouc 30:309-310. May 1953. 305.8 R32

67359 MANN, C. E. T. The Rubber Research Institute of Malaya. World Crops 5:189-190. May 1953. 281.8 W892

67360 MARTIN, G. Rubber latex as a raw material for industry. World Crops 5:185-188. May 1953. 281.8 W892

67361 MESSENGER, T. H., and GRAHAM, P. C. C. The durability of natural rubber. [illegible]ber Devlpmt. 6:2-10. Spring 1953. 305.8 R32

67362 MINCING Lane rubber; world commodities series: standard work of reference to the industry, 1952. London,1952. 253 p. 225 M665

67363 MORRIS, V. A. Rubber grows up. So. African Indus. Chem. 7:11-13. Jan.1953. 385 So8
Research.

67364 PETER, G. Le groupe international d'études du caoutchouc. Marchés Colon. du Monde 9:1077-1078. Apr.11,1953. 286.8 M33

67365 PHILPOTT, M. W., and SEKAR, K. C. Determination of volatile fatty acids in natural rubber latex. Rubber Res. Inst. Malaya. J. 14:93-107. Ref. Feb.1953. 78.8 R824J

67366 RISDON, E. J. Determination of the dry rubber content of natural rubber latex. I-II. Rubber Res. Inst. Ceylon. Q. C. 28:3-14. Dec.1952. 78.9 C33Q

67367 SCHMIEDER, G. The rubber war. (In Portuguese.) Orientação Econ. e Financ. 10(113):21-22,28,47. Feb.1953. 280.8 Or42

67368 STOUFFER, L. What's new in rubber? Reader's Digest 62(374):97-99. June 1953. 110 R22
Utilization.

SEEDS

67369 ASSOCIATION OF OFFICIAL SEED ANALYSTS. Proceedings, forty-second annual meeting, Lafayette, Indiana, June 16-20, 1952. Washington,1952. 160 p. 61.9 As7

67370 ATKINS, J. G., MARTIN, W. J., and COX, J. A. The how and why of vegetable seed treatment in Louisiana. La. Agr. Col. Ext. P. 1127,4 p. Oct.1952. 275.29 L93Ep

67371 BROWN, E. O. Quicker method, vs. stronger method, vs. direct method. Assoc. Off. Seed Anal. Proc. 42:58-67. Ref. 1952. 61.9 As7

67372 CANADA. DEPT. OF AGRICULTURE. The Seeds Act, 1937 and Regulations. Ottawa,1953. 65 p. 61.6 C16

67373 CROSIER, W. F., and DICKEY, R. S. New seed treatments for small grains. Farm Res. [N. Y. Sta.] 19(2):12. Apr.1953. 100 N48A

67374 DENMARK STATSFRØKONTROLLEN. Beretning for det 81. arbejdsår fra 1. juli 1951 til 30. juni 1952 [Report for the 81st year from July 1, 1951 to June 30, 1952]. København,1953. p.361-428. 61.4 D41
English summary.

67375 DUPERON, R., and SOSA, A. Extraction et étude de quelques constituants des semences de Raphanus sativus L. Soc. de Chim. Biol. B. 35:257-265. Ref. 1953. 383 So1

67376 DUVEKOT, L. Are seed grains an exchange commodity? (In Dutch.) Zaadbelangen 7:67-68. Mar.31, 1953. 61.8 Z1

67377 EASLEY, O. W. Good seedsmen are here to stay. South. Seedsman 16(5):13,42-43. May 1953. 61.8 So8

67378 FORWARD, B. F. The ethics of seed testing. Assoc. Off. Seed Anal. Proc. 42:45. 1952. 61.9 As7

67379 GOW, M. Cleaning seed the easy way. B. C. Farmer & Gard. 8(4):6-7. Apr.1953. 7 F86

67380 HEIT, C. E., and MUNN, M. T. Observations on coated and pelleted flower and vegetable seeds. Assoc. Off. Seed Anal. Proc. 42:141-142. 1952. 61.9 As7
Testing of processed seeds.

67381 HERMANS, B. J. Moisture contents of seeds in winter 1952-1953. (In Dutch.) Nederlandse Alg. Keuringsdienst v. Landbzaden. en Aardappelpootgoed. Meded. 9: 100-101. Apr.1953. 61.9 N28

67382 HUTCHISON, K. L. How are your records? Seed World 72(9):17. May 1, 1953. 61.8 Se52

67383 ILLINOIS CROP IMPROVEMENT ASSOCIATION Field seed certification guide; seed directory 1952 crop. n.p.,1952. 18 p. 61.9 IL6S

67384 ILLINOIS CROP IMPROVEMENT ASSOCIATION Official handbook of seed certification for 1953. Urbana, 1953. 56 p. 61.9 IL6

67385 INDIANA AGRICULTURAL EXPERIMENT STATION. Inspection of agricultural seeds. Ind. Agr. Expt. Sta. C. 388,80 p. Nov.1952. 100 In2P

67386 KERR, W. E. Seed quality and legislation. Rhodesian Farmer, Mar.25,1953:30-31,33. 24 R347

67387 KLINKOWSKI. Die antibiotika und ihre bedeutung als beizmittel. (Abs.) Angew. Chem. 65:163-164. Mar.21,1953. 384 Z33

67388 MAINE. AGRICULTURAL EXPERIMENT STATION. Commercial agricultural and vegetable seeds, 1952, economic poisons, 1952. Maine. Agr. Expt. Sta. Off. Insp. 226,31 p. Dec.1952. 100 M28S

67389 MARIN MARIEN, E. Las subestaciones y semilleros de café. Rev. del Café 8(8):23,30. Mar.1953. 8 R3295
Puerto Rico.

67390 MASSACHUSETTS AGRICULTURAL EXPERIMENT STATION. Seed inspection for the season of 1952. Mass. Agr. Expt. Sta. Control Ser. B. 155,28 p. Dec.1952. 100 M38H

67391 NILSSON-LEISSNER, G. Report on the activities of the Swedish State Seed Testing Station during the fiscal year 1951-1952. (In Swedish.) Sweden. Stat. Cent. Frökontanst. Meddel. 28:3-28. 1953. 61.9 Sw3
English summary.

67392 SCHOOREL, A. F. Adjustment of the Blue and Orange International Certificates of the Seed Testing Station. (In Dutch.) Zaadbelangen 7:70-71. Mar.31, 1953. 61.8 Z1
Netherlands.

67393 SHARF, A. F. Comparison and interpretation of laboratory and field tests with arasan treated and non-treated cucurbit seed lots. Assoc. Off. Seed Anal. Proc. 42:105-108. Ref. 1952. 61.9 As7

67394 WEST, D. W. A rapid technique for purity analysis of orchard grass seed. Assoc. Off. Seed Anal. Proc. 42:51-58. Ref. 1952. 61.9 As7

67395 WRIGHT, L. Dryers outsmart Mother Nature. South. Seedsman 16(5):30,70. May 1953. 61.8 So8

SUGAR AND SIRUPS

67396 AHLFELD, H. Statistical analysis of the situation of world sugar economy. F. O. Licht's Internatl. Zuckerstatis. Jahr- u. Adressb. 1952/53:238-242. 281.3659 L61

67397 ANCIENT history of sugarcane in Brazil. (In Portuguese.) Orientação Econ. e Financ. 10(113):24-26. Feb.1953. 280.8 Or42

67398 ANDRES. Über pH-messungen im betrieb und im laboratorium. Zucker 6:187-190. Apr.15,1953. 65.8 Z82

67399 ASCHE, T. Über die filtrierfähigkeit von schlammsaft. Zucker 6:191. Apr.15,1953. 65.8 Z82

67400 ASSOCIATION OF SUGAR PRODUCERS OF PUERTO RICO. Manual of sugar statistics, 1953 edition. Washington,D.C.,1953. 50 p. 281.3659 As72

67401 AUSTRALIAN SUGAR PRODUCERS' ASSOCIATION. The Australian sugar industry. Austral. Sugar Ybk. 12:49-51,53,55,57,59,61,63. 1953. 65.9 Au7
Queensland Cane Growers' Association, cooperating.

67402 THE AUSTRALIAN sugar year book, vol. 12, 1953. Brisbane,1953. 568 p. 65.9 Au7
Includes a directory.

67403 BLAKE, A. F. "Ray-table" unit curbs bacteria on sugar. In Food Engineering. 111 tested methods of handling everyday food plant problems, p.124-126. New York,McGraw-Hill,1952? 389 F733Q
Germicidal lamp to eliminate thermophilic bacteria on sugar.

67404 BOINOT, F. Sur les possibilités de nutrition carencée de la levure en fermentation alcoolique des jus de betteraves. Indus. Agr. et Aliment. 70:309-311. Apr.1953. 383 As7

67405 BRICE, B. A., and others. Permanent glass color standards improve maple syrup grading. In Food Engineering. 111 tested methods of handling everyday food plant problems, p.161-162. New York,McGraw-Hill, 1952? 389 F733Q
A. Turner, F. L. Southerland, and E. P. Bostwick, joint authors.

67406 BROWNELL, L. E. New explosion process for recovering sugar from sugar beets. (Abs.) Amer. Soc. Sugar Beet Technol. East. U. S. & Canada Proc. Region. Mtg. 7:1. 1953. 66.9 Am353

67407 BUDE. Das verpacken von weisszucker in papiersäcke. Zucker 6:219-221. May 1,1953. 65.8 Z82

67408 CAROLAN, R. J. Physical chemical methods in sugar laboratories. Internatl. Sugar J. 55:122-124. May 1953. 65.8 In8

67409 DEVILLERS, P. L. Contribution à l'analyse des sucres par échangeurs d'ions;identification de l'origine de ces sucres (betterave ou canne). Sucr. Franç. 94: 58-61. Mar.1953. 65.8 J82

67410 DORFELDT, W. Tendencies of development of process engineering in beet sugar production. F. O. Licht's Internatl. Zuckerstatis. Jahr- u. Adressb. 1952/53:9-14. 281.3659 L61

67411 DUBOURG, J., SAUNIER, R., and DEVILLERS, P. Détermination du "pH des sucres" blancs. Sucr. Franç. 94:85. Apr.1953. 65.8 J82

67412 DUMONT, R. Alcool, ou lait et viande? Etude technique et économique d'orientation agricole et alimentaire. Population 8:57-72. Jan./Mar.1953. 280.8 P812
Sugar beet production in France and possible replacement crops.

67413 DYER, B. W., & CO. Review of the sugar markets. Sugar 48(5):50-51. May 1953. 65.8 F11

67414 DYMOND. G. C. Science and the sugar industry. So. African Sugar J. 37:175,177. Mar.1953. 65.8 So8

67415 EMMERICH, A. Über die bestimmung der dünnsafthärte mit komplexon. 2. Vergleich mit gravimetrischen analysen und untersuchung von störenden substanzen. Zucker-Beih. 1:19-22. Mar.1953. 65.8 Z84

67416 FINKE, O. Der verbleib des pektins während der rübenzuckerfabrikation und die ursache von filtrationsschwierigkeiten. Zucker-Beih. 1:8-14. Mar.1953. 65.8 Z84

67417 GOODBAN, A. E., STARK, J. B., and OWENS, H. S. Amino acids; content of sugar beet processing juices. J. Agr. & Food Chem. 1:261-264. Ref. Apr.29, 1953. 381 J8223

67418 GROSS. D., and ALBON, N. Large-scale chromatographic separation of sucrose—raffinose mixtures on powdered cellulose for the determination of raffinose in raw sugars. Analyst 78:191-200. Ref. Apr. 1953. 382 An1

67419 HAAS, H. B. Industry-wide research; a discussion of the problems and rewards of group action. (Extr.) Sugar Molecule 7:15-19. Spring 1953. 65.8 Su325

67420 HALL, W. Use of sugar factory carbonate of lime. Brit. Sugar Beet Rev. 21:117-119. Mar.1953. 66.8 B77

67421 HOSOKAWA, S., and OSHIMA, E. Investigations on the harmful non-sugar substances in sugar beet root, with special reference to the so-called harmful nitrogen. II. (In Japanese.) Hokkaido Natl. Agr. Expt. Sta. Res. B. 64:87-92. Ref. Feb.1953. 107.6 H68
English summary.

67422 KING, N. J. The Queensland sugar industry. Austral. Sugar Ybk. 12:25-31,33. 1953. 65.9 Au7

67423 LICHT, F. O. International sugar statistical year book and directory 1952/53. Ratzeburg,1953. 291 p. 281.3659 L61

67424 LIMA, S. DE A. The sugar industry in Pernambuco. (In Portuguese.) Rev. Bras. de Estatís. 13:177-198. Apr./June 1952. 251.8 R322

67425 LUTERAAN, P. J., and GUYOTJEANNIN, C. Modifications apportées au procédé de Guerra pour l'étude de la fermentation des sucres par les levures zymatiques. Inst. Pasteur. Ann. 84:819-822. Apr.1953. 448.3 An75

67426 MEZERIK, A. G. Sugar prospects studied by experts. Sugar 48(5):37-40. May 1953. 65.8 F11

67427 MICHAEL. Aus der tätigkeit des Vereins in der letzten kampagne. Zucker 6:155-158. Apr.1,1953. 65.8 Z82
Verein der Zuckerindustrie.

67428 MILLER, I. C. 6 simple auxiliaries smooth packaging line performance. Food Engin. 25(5):61-63. May 1953. 389.8 F737
Corn sirup.

67429 MONTGOMERY, R., and RONCA, R. A. Chemical production of lactic and other acids from molasses. Indus. & Engin. Chem. 45:1136-1143. May 1953. 381 J825

67430 MONTGOMERY, R. Observations on alkaline degradation of sugars. Indus. & Engin. Chem. 45:1144-1147. Ref. May 1953. 381 J825

67431 MUÑOS, B., and LANG, C. The sugar central; a source of electric energy for public consumption. Sugar J. 15(12):61-63,65-66. May 1953. 65.8 Su391
Use of bagasse.

67432 O'BRIEN, C. H. History of Australian sugar industry. Austral. Sugar J. 44:858-861. Mar.16,1953. 65.8 Au7

67433 PARMENTIER, P. L'avenir de la production betteravière. Potasse 27:75-78. Apr.1953. 57.8 P84

67434 PUERTAS, R. P. El mingler de azúcar de tercera (semilla) y sus relaciones con la calidad del azúcar fabricada. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 11:657-662. Feb.1953. 65.9 As5B

67435 RAPSON, W. S. Widening the field of sugar research activities. So. African Sugar J. 37:165,167,169. Mar.1953. 65.8 So8

67436 RICE, E. F. The Aguirre story. Sugar J. 15 (12):42-47. May 1953. 65.8 Su391
Aguirre Sugar Co. in Puerto Rico.

67437 RIOLLANO, A. Governor Muñoz Marín outlines P.R. dilemma. Sugar 48(5):56-59. May 1953. 65.8 F11

67438 ROGGE, K. The position of Western Germany within the framework of the European and world sugar economy. F. O. Licht's Internatl. Zuckerstatis. Jahr- u. Adressb. 1952/53:3-8. 281.3659 L61

67439 ROGGE, K. Um die marktordnung in der zuckerwirtschaft. Zucker 6:161-167. Apr.1,1953. 65.8 Z82
Germany.

67440 ROGGE, K. Um die marktordnung in der zuckerwirtschaft. Zucker- u. Süsswaren-Wirt. 6:257-258. (Cont.) Apr.9,1953. 286.86 Z8
Germany.

67441 ROGGE, K. Um die marktordnung in der zuckerwirtschaft. Zucker- u. Süsswaren-Wirt. 6:334-335. (Cont.) Apr.20,1953. 286.86 Z8
Germany.

67442 ROOS, P. D. J., and LEATHAM, D. The home grown sugar industry. Inst. Corn & Agr. Merchants. J. 4: 10-14. Spring 1953. 10 In7
Beet sugar industry in Great Britain.

67443 SCHMIDT, K. Berechnung der füllmassemengen und anderer wichtiger daten bei weisszuckerarbeit. Zucker 6:214-218. May 1,1953. 65.8 Z82

67444 SCHNEIDER, F., EMMERICH, A., and KOCH, H. Die nichtzuckerstoffe in weissen verbrauchszuckern. 1. Alkali- und calciumgehalt und ihr einfluss auf die verfärbund des zuckers beim erhitzen. Zucker-Beih. 1:14-19. Ref. Mar.1953. 65.8 Z84

67445 SKINNER, S. O. Modern agricultural developments and the 1952 record crop. Austral. Sugar J. 44:837. Mar.16,1953. 65.8 Au7
Sugarcane.

67446 SMIT, P. Die anwendung von schwach sauren selektiven ionenaustauschern bei der reinigung von zuckersäften. Z. f. die Zuckerindus. 3:151-154. Apr.20, 1953. 65.8 D48

67447 TAIWAN SUGAR CORPORATION. 270,000 tons of Taiwan sugar sold—worth US$28,000,000. Taiwan Sugar Corp. TSC News Let. 2(18),8 p. Mar.25,1953. 65.9 T13

67448 WHEAT, J. A. Production and properties of 2,3-butanediol. XXXVII. Pilot plant fermentation of beet molasses—description of plant and results. Canad. J. Technol. 31:73-84. Ref. Apr./May 1953. 470 C16F

67449 WIGGINS, L. F. A survey of the work of the British West Indies Sugar Research Scheme. Agr. Soc. Trinidad & Tobago. J. 52:415-417,419-421,423-425,427-429,431,433,435-438. Ref. Dec.1952. 8 T73

TOBACCO

67450 AL-JADER, A. R. Iraqi tobacco. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Atl'l-'Iraqiyah 8:420-423. Apr./June 1953. 22.5 Ir1
English summary, p. 11.
The industry.

67451 BEINHART, E. G., and others. Nicotiana rustica. Distribution of nicotine in the plant, loss of nicotine during drying, and methods of analyses for nicotine and moisture. U. S. Bur. Agr. & Indus. Chem. AIC-335,30 p. Feb.1953. 1.932 A2Ag82
C. E. Woodward, C. O. Willits, C. Ricciuti, C. O. Badgett, and J. J. Willaman, joint authors.

67452 INDIAN CENTRAL TOBACCO COMMITTEE. Seventh annual report 1951—52. Madras,1953. 57 p. 281.3699 In2
Policy.

67453 KOLODNY, J. 4000 years of service; the story of the wholesale tobacco industry and its pioneers. New York,Farrar,Straus & Young,1953. 309 p. 286.369 K83

67454 PACK, A. B. Where do we stand on curing? Cigar Val. News 3(5):3,6. May 1953. 286.89 C482

67455 SANKARAIAH, K. Improvement of the production and marketing of Bright tobacco in the Madras State. Indian Tobacco 2:179-181. Oct./Dec.1952. 69.8 In2

67456 TSO, T. C., and JEFFREY, R. N. Paper chromatography of alkaloids and their transformation products in Maryland tobacco. Arch. Biochem. & Biophys. 43: 269-285. Ref. Apr.1953. 381 Ar2

67457 VERGNAUD, H. Le tabac en France. Agr. Prat. 117:183-188. Apr.1953. 14 J82

MISCELLANEOUS PRODUCTS

67458 BLOKKER, N. How the bulb and flower trade is organized in Holland. United Florists News 8(4):7-8. Apr.1953. 80 Un33

67459 BYRD, J. D. The preparation of sericea paper pulp. Ark. Acad. Sci. Proc. 5:95-97. 1952. 500 Ar42

67460 CASTELL, C. H. Is there an alternative to freezing fish at sea? (Abs.) Food Technol. 7(5,sup.):15. May 1953. 389.8 F7398

67461 DEUX, Y. Le houblon et le houblonnage. Indus. Agr. et Aliment. 70:209-218. Ref. Mar.1953. 383 As7
English summary.
Chemistry and processing.

67462 DUNBAR, J. C., and MITCHELL, T. J. The electrodialytic removal of inorganic material from organic marine products. J. Sci. Food & Agr. 4:183-190. Apr.1953. 382 So12
Includes seaweed.

67463 DUNCAN, A. Food from nettles? Co-op. Home Mag. 58(4):10. Apr.1953. 280.28 W563
Uses.

67464 DUSSAULT, H. P. A scientific investigation of Gaspé cure. Food Canada 13(4):18,21-22. Apr.1953. 389.8 F7323
Fish curing.

67465 FARBER, L., and CEDERQUIST, A. The determination of volatile reducing substances as an aid in quality control of canned fish such as tuna. (Abs.) Food Technol. 7(5,sup.):22. May 1953. 389.8 F7398

67466 FARBER, L. Observations on the canning of Pacific Coast or Dungeness crabmeat. (Abs.) Food Technol. 7(5,sup.):22. May 1953. 389.8 F7398

67467 HARPER, O. M. It's fun to can roses. Amer. Rose Mag. 11(5):24-25. May 1953. 80 Am327A
Storage of cut roses.

67468 HOOS, S. What makes the price of hops? Hopper 10:5-7. Apr.1953. 70.8 H77

67469 HOWES, F. N. Algarrobilla as tanning material. Leather Trades' Rev. 108:137-138. (Cont.) Apr.22,1953. 303.8 L48
Caesalpinia brevifolia.

67470 JARVIS, N. D. Point 4 activities in fishery technology in Peru. (Abs.) Food Technol. 7(5,sup.):23. May 1953. 389.8 F7398

67471 KEMP, W. S. Culinary herb production: a unique New Zealand industry. New Zeal. J. Agr. 86:254-255. Mar.16,1953. 23 N48J

67472 KNIGHT, W. R. Wholesale flower prices and market reporting. Mich. Agr. Expt. Sta. Ag. Econ. 507, 42 p. May 1952. 281.9 M586

67473 KONO, A. Hawaiian flowers and foliage, production, markets, and shipments, 1949-52. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 15,8 p. Apr.1953. 275.29 H312Ae

67474 MACWILLIAM, I. C. Chemistry of hop constituents. IV. The free sugars. Inst. Brewing J. 59: 142-147. Ref. Mar./Apr.1953. 390.9 In7

67475 MASTALERZ, J. W. Low-temperature dry-conditioning of carnation flowers and cuttings. Carnation Chats 1(10):3-5. May 5,1953. 80 C212

67476 MUTSCHLER, E. Vereinfachte trocknung von herbarpflanzen. Deut. Apoth.-Ztg. 93:294. Apr.23,1953. 396.8 Su2

67477 PETERSON, S. R. Armed forces research and development program for seafoods. (Abs.) Food Technol. 7(5,sup.):22. May 1953. 389.8 F7398

67478 PILLAT, H. Freiheit oder lenkung des hopfenhandels? Brauwelt 36:447. May 4,1953. 390.8 B732
Germany.

67479 PROCTOR, B. E., and NICKERSON, J. T. R. Ionizing radiations for the control of fish spoilage. (Abs.) Food Technol. 7(5,sup.):15. May 1953. 389.8 F7398

67480 PUNCOCHAR, J. R., and POTTINGER, S. R. Freezing fish at sea. (Abs.) Food Technol. 7(5,sup.):15. May 1953. 389.8 F7398

67481 PUTNAM, R. C., and BOWLES, A. V. The chemistry of vegetable tannins. VII. Amer. Leather Chem. Assoc. J. 48:241-247. Ref. Apr.1953. 303.9 Am32

67482 SCHULMAYER, J. Freiheit oder lenkung des hopfenhandels? Brauwelt 34:427. Apr.27,1953. 390.8 B732
Germany.

67483 WALKER, T. K., and BLAKEBROUGH, N. Changes in content of α-soft resin and of total soft resin in different varieties of hops during storage. Inst. Brewing J. 59:148-153. Mar./Apr.1953. 390.9 In7

67484 WRIGHT, C. E. Quick freezes and cartons; shrimp at sea. Food Engin. 25(5):133. May 1953. 389.8 F737

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

67485 ASHBY, A. W. The farmer in business. Agr. Econ. Soc. J. Proc. 10:91-126. Feb.1953. 281.9 Ag8
Economics.
Includes discussion.

67486 BLACK, J. D. Introduction to economics for agriculture. New York,Macmillan,1953. 727 p. 281 B56I

67487 BLACK, J. D. Should economists make value judgments? Q. J. Econ. 67:286-297. May 1953. 280.8 Q2
With reference to agriculture.

67488 BLAIS, R. Qu'est-ce donc que l'économie agricole? Foyer Rur. [Montreal] 12(6):17. Apr.1953. 7 F83

67489 BRAZIL. SERV. DE ECONOMIA RURAL. Report for the year 1952. (In Portuguese.) Lavoura 57:23-26. Jan./Feb.1953. 9.2 L39
Includes rural organizations and cooperatives.

67490 CHAPMAN, P. W. Team up agriculture and industry; a prosperity lesson for us all from the South. Farm Prog. 9(2A):3. 1953. 281.8 F2224

67491 CHINA COMMITTEE FOR THE PROMOTION OF INTERNATIONAL TRADE. New China's economic achievements, 1949—1952. Peking,1952. 285 p. 280.184 C445

67492 COSENZA. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. The economic characteristics of the province of Cosenza. (In Italian.) Sintesi Econ. 5(2):39-62. Feb.1953. 280.8 Si6
Includes agriculture.

67493 ENNA. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Economic characteristics of the Province of Enna. (In Italian.) Sintesi Econ. 5(3):42-53. Mar.1953. 280.8 Si6
Includes agriculture.

67494 FOCHLER-HAUKE, G. Natürliche grundlagen und aufgaben der wirtschafts-, kolonisations- und verkehrsplanung Brasiliens. Inst. f. Raumforsch. Inform. 9/10:85-100. Mar.15,1953. 280.9 B6431

67495 FRANCE. DIRECTION DE LA DOCUMENTATION. La situation économique du Pakistan. France. Dir. de la Doc. Notes et Etudes Doc. 1727,32 p. Apr.17, 1953. 280.9 F843
Includes agriculture.

67496 GALBRAITH, J. K. Need farmers fear a depression? Natl. Farm Inst. Proc. 15:49-55. 1953. 4 N219

67497 GARVER, W. B. Farmers and business as partners. Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:24-31. Apr.1953. 281.8 Am32

67498 LEE, L. F. Business and agriculture. Natl. Farm Inst. Proc. 15:27-32. 1953. 4 N219

67499 LA LIAISON entre l'agriculture et l'industrie. Chim. & Indus. 69:527-528. Mar.1953. 383 C42

67500 MCCUMBER, D. R. Business looks at the farm family. Amer. Country Life Assoc. Proc. 31:31-36. 1952. 281.2 N213

67501 MANSHARD, W. Erschliessungspläne in Liberien. Inst. f. Raumforsch. Inform. 13/14:129-132. Apr.8,1953. 280.9 B6431

67502 QUADLAND, H. P. Reaching the farmer public. Pub. Relat. J. 9(5):19-20. May 1953. 238.28 P96
Public relations between industry and agriculture.

67503 REMPT, J. D. Economic development of Australia stands before a new phase. (In Dutch.) Plattelands-Post 9(15):3. Apr.16,1953. 12 P69

67504 STEVENIUS-NIELSEN, H. The social economic relationship between agriculture and industry. (In Danish.) Jydsk Landbr. 35:239-246,260-265,284-287. Apr.9-23,1953. 11 J99

67505 UNION OF SOUTH AFRICA. DEPT. OF AGRICULTURE. DIV. OF ECONOMICS AND MARKETS. Agro-economic survey of the Union. V. Extensive cattle farming areas. Union So. Africa. Dept. Agr. B. 325,93 p. 1953. 24 So84P

67506 WELLMAN, H. R. U.S. economic policies should bring about increased goods and services. (Excerpts.) Sunsweet Standard 36(12):16. May 1953. 286.83 Su7

67507 ZAPPI RECORDATI, A. The National Council of Economy and Labor. (In Italian.) Rass. dell'Agr. Ital. 8(2):11-17. Feb.1953. 281.8 R18

AGRICULTURAL FINANCE

67508 CROUSE, E. Will farmers be good customers this year? Pathfinder 60(7):77-79. June 1953. 280.8 P27

67509 FELCOURT, E. DE. Le budget familial dans l'exploitation agricole. Acad. d'Agr. de France. Compt. Rend. 39:170-173. Feb.11/18,1953. 14 P215Bc

67510 KESTNBAUM, M. Industry's job in meeting capital needs of farming. Natl. Farm Inst. Proc. 15:43-49. 1953. 4 N219

67511 PENDLETON, A. M., and others. Developments toward improved cotton handling, and ginning and marketing practices for increased market outlets. Cotton Spinner-Breeder Conf. [Proc.] 9:27-34. 1952. 72.9 C765
W. K. Bruton, C. M. Merkel, V. P. Moore, J. E. Ross, R. Whitaker, W. M. Garrard, B. P. Whitney, joint authors.
Includes discussion.

67512 REICHEL, F. Die faser de zwergpalme Französisch-Marokkos. Melliand Textilber. 34:402. May 1953. 304.8 T312
English summary.
Chamaerops humilis.

67513 RICHTER, J. Can Ike cut the budget? USDA spends only 2 1/2 cents of the Federal dollar, but if you really want government expenses cut, you may have to tell Congress where you think savings should be made. Cappers' Farmer 64(5):21,98-99. May 1953. 6 M693

67514 SCOFIELD, W. H. How do investments in land compare with farm income? Agr. Situation [Washington] 37(5):11-13. May 1953. 1 Ec7Ag

67515 SMITH, M. G. Savings; how wisely you save may tip the scales for farming success or failure. Ohio Farmer 211(8):12,53. Apr.18,1953. 6 Oh3

67516 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 25. Census year 1950-51. Special report series, No. 4. Capital expenditure and sale of capital assets. Pretoria,1953. 15 p. 270 So87L

67517 VICINELLI, P. Examination of the balance of agriculture. (In Italian.) Gior. di Agr. 63(15):1-2. Apr.12,1953. 16 It1G
Finance.

67518 VIDAL MORA, J. M. El capital de reserva en la agricultura. Balearic Isl. Diputación Prov. B. de Agr. 100:3-4. Jan.1953. 15 B19

67519 WELLS, O. V. Capital requirements and costs structures: some comments on the capital needs of agriculture. Natl. Farm Inst. Proc. 15:8-12. 1953. 4 N219

Credit

67520 ALLEN, M. T., FOSBRINK, R. H., and HUGHES, R. Agricultural clinic review; digest of talks given by Purdue staff members at the Indiana Bankers Association agricultural clinic. Hoosier Banker 37(4):26-30. Apr.1953. 284.8 H76

67521 ALLSTETTER, W. R. Fertilizer for cash or credit. Mid-West. Banker 47(5):20,22. May 1953. 284.28 B222

67522 AQUINO, F. El sistema de crédito a la producción en los Estados Unidos. Asoc. Gen. de Agr. [Guatemala] B. 335:6-7. (Cont.) Mar.15,1953. 8 As52

67523 ARDANT, H. Le crédit à l'agriculture. Renaissance Agr. Métrop. et Colon. 7(3):1,4-5. Mar.1953. 14 R292
France.

67524 BLACK, J. D. Who needs credit. Natl. Farm Inst. Proc. 15:20-26. 1953. 4 N219

67525 CANADA. DEPT. OF FINANCE. Farm Improvement Loans Act; annual report for the year ending Dec. 31, 1952. Ottawa,1953. 18 p. 284.29 C164

67526 EL CREDITO agrícola. III. La Caja Central. Cooperación [Madrid] 131:6-7. Jan.1953. 280.28 C7875
Spain.

67527 DAJER S., M. A. A proposito del seminario de crédito agrícola de Guatemala. Dominican Repub. Sec. de Estado de Econ. y Com. Rev. 25:17-18. Nov./Dec.1952. 280.9 D712

67528 DIGNAN, E. J. How sound is our farm credit? Hoosier Banker 37(4):38-42. Apr.1953. 284.8 H76

67529 DUGGAN, I. S. What credit machinery do we need? Natl. Farm Inst. Proc. 15:13-20. 1953. 4 N219

67530 DUNAGAN, H. Better credit through farm management. Livestock Wk. 7(26):10-11. May 1953. 49 L753

67531 ENGBERG, R. C. Farm credit needs in Europe. Foreign Agr. 17:96-98. May 1953. 1.9 Ec7For

67532 FARRINGTON, R. L. Report indicates growth of co-op banks. Grain Prod. News 5(8):25-29. Apr.1953. 286.81 G764

67533 FERRER FABIA, F. Breves lecciones de contabilidad para cooperativas y cajas rurales. Cooperación [Madrid] 131:20-21. (Cont.) Jan.1953. 280.28 C7875
Spain.

67534 FRANCIS, D. R. Financing farm machinery and implements. Miss. Banker 37(11):52-54,56-58,60, 62. Apr.1953. 284.8 M69

67535 FRASCHETTI, T. Provisions for credit in agriculture. (In Italian.) Cassa per il Mezzogiorno. Not. 2(2):32-34. Feb.1953. 280.8 N82

67536 FRISCHKNECHT, R. L. The role of private organizations in farm supports. Coop. Digest 13(10a):6, 26. Apr.15,1953. 280.28 C7896
Commodity loans for price stabilization.

67537 GILE, B. M., and QUINN, O. B. Farmers' cooperative credit institutions in Louisiana. La. Agr. Expt. Sta. B. 470,24 p. Nov.1952. 100 L93

67538 GLENNON, W. E. Giving credit where credit is due. Grain & Feed Rev. 42(6):18,55-56. Feb.1953. 280.28 G78
Feed industry.

67539 GRAVES, D. F. Farm service department in the bank. Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:46-50. Apr.1953. 281.8 Am32

67540 GRUNDVALL, R. W. Current financial problems. (In Swedish.) Lantm. och Andelsfolk 26:86-87. Mar.31,1953. 20 L29
Of cooperatives in Finland.

67541 GUZMAN G., J. M. El crédito agrícola debe ser parte de un plan integral de desarrollo agrícola. Costa Rica. Cons. Nac. de Prod. Prod. Nac. 7:13-15. Jan.1953. 281.9 C82

67542 HARTMAN, A. J. The Security Institute for the "Veenstreek." (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:226-228. Apr.1953. 86 N384
English summary.
Security for loans to market gardeners.

67543 JOHNSON, V. W. Financing soil conservation in agricultural lending. Natl. Farm Inst. Proc. 15:66-71. 1953. 4 N219

67544 JUDD, J. Financing milkhouses. Milk Dealer 42(8):140-141. May 1953. 44.8 M595
Building credit.

67545 LODI, H. S. K. Agricultural finance ... co-operatives. Econ. & Com. 2:116-117. Mar.5,1953. 280.8 P175
Pakistan.

67546 LOIBL, L. Kunstdüngerkreditaktion 1953. Bauer 6(18):8. May 2,1953. 19 B32
Austria.

67547 MADRAS CO-OPERATIVE CENTRAL LAND MORTGAGE BANK. Twenty-third annual report, 1951-52. Madras,1952. 55 p. 284.9 M26

67548 MARRAMA, V. Agricultural credit in underdeveloped countries. Econ. & Com. 2:151-153. Mar.20, 1953. 280.8 P175

67549 MENEZES, R. B. DE. New method of financing farmers. (In Portuguese.) Coop [Bahia] 11(108/109):11-12. Nov./Dec.1952. 280.28 C7842
Brazil.

67550 MORATO DE UGARTE, J. Apuntes sobre el contrato de prenda industrial. Bolivia Maderera 1(9):6. Nov.1952. 99.81 B633
Includes discussion of this type of credit in agriculture.

67551 ORANGE, A. Caisse Régionale de Crédit Mutuel Agricole des B.-du-Rh. Bouches du Rhône Agr. 25(1095):1-2. Apr.1,1953. 14 B662

67552 RASSER, R. Modernisation des coopératives de crédit agricole. Agrarpolit. Rev. 9:313-323. Apr./May 1953. 281.8 Ag824

67553 RURAL AND INDUSTRIES BANK OF WESTERN AUSTRALIA. Annual report and balance sheet for the year ended 30th September, 1952. Perth,1952. 35 p. 284.29 R88

67554 SCHOBEL, A. Raiffeisenkassa oder Raiffeisenbank? Landwirtschaft 7/8:124-125. Apr.1953. 19 L235
Austria.

67555 SCHWARTZ, L. M. A country bank audit plan. Bank News 53(24):33-34. May 15,1953. 284.8 B224

67556 SEMINARIO CENTROAMERICANO DE CREDITO AGRICOLA. Memoria. n.p.,1952. 353 p. 284.29 Se5

67557 SMITH, J. I. Planning the work of a farm representative. Burroughs Clearing House 37(8):38-40, 82. May 1953. 284.8 B94

67558 STOKES, W. N. Shoulds—should nots for co-op loans. News Farmer Coop. 20(3):7. June 1953. 166.2 N47

67559 STOKES, W. N. Why banks for co-ops. News Farmer Coop. 20(2):6-7,12. May 1953. 166.2 N47

67560 U. S. BUR. OF THE CENSUS. 1950 census of agriculture, v. 5, pt. 8: 1950 farm-mortgage debt; co-operative report. Washington,1952. 35 p. 157.41 C332
U. S. Bureau of Agricultural Economics, cooperating.

67561 U. S. COMMODITY CREDIT CORPORATION. Review of program operations, Commodity Credit Corporation, fiscal year 1952. Washington,n.d. 21 p. 1.957 R32

67562 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Agricultural credit. Hearings, 83d Cong., 1st sess. on the general subject of agricultural credit either through private or Government sources, April 21, 22, 23, 24, and 25, 1953. Washington,1953. 196 p.

67563 U. S. FARM CREDIT ADMIN. Annual report, 1951-52. Washington,1953. 131 p. 1 Ag84

67564 VENKATAPPIAH, B. Some suggestions for developing long-term credit system. Madras J. Co-op. 44:500-510. Mar.1953. 280.28 M26

67565 VENKATARATNAM, B. Long-term credit in Madras State—its present position and problems. Madras J. Co-op. 44:493-499. Mar.1953. 280.28 M26
Mortgage credit.

67566 ZAINAL, A. The Iraqi Agricultural Bank and its effects upon the economics of the country. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Atl'l-'Iraqiyah 8:371-376. Apr./June 1953. 22.5 Ir1
English summary, p. 8.

Income

67567 BELLERBY, J. R. Distribution of farm income in the United Kingdom 1867-1938. Agr. Econ. Soc. J. Proc. 10:127-144. Feb.1953. 281.9 Ag8
Includes discussion.

67568 BRITTON, V. Sources of earnings of farm families. J. Home Econ. 45:311-314. May 1953. 321.8 J82

67569 CARNCROSS, J. W. Cash receipts from farm marketings by commodities, New Jersey, 1951. N. J. Agr. Expt. Sta. A. E. 150,1 p. Oct.1952. 281.9 R93

67570 FEVRIER, J. G. La renta de la agricultura francesa en 1951-52. Trab. Nac. 1603:99-100. Mar.1953. 280.8 T672

67571 JOSS, A. New income area studies at three-quarters mark. Assoc. Messenger 8(2):1. Apr.1953. 284.28 As72
Washington.

67572 ROWLEY, S. Farm incomes in Australia. Austral. Inst. Agr. Sci. J. 19:34-38. Mar.1953. 23 Au74

67573 STANDARD RATE AND DATA SERV. Consumer income data 1953. Evanston,Ill.,1953. 154 p. 280.38 Sr1
County information.

67574 STANDARD RATE AND DATA SERV. Consumer markets 1952/1953. Evanston,Ill,1953. 790 p. 280.38 Sr1
Contains data on farm income and population.

67575 WELLMAN, H. R. National and farm incomes. Calif. Agr. [Calif. Sta.] 7(4):2. Apr.1953. 100 C12Cag

Inflation

67576 THOMSEN, R. Inflation during 2000 years. (In Danish.) Tolvmandsbladet 25:124-127. May 1953. 11 T58

Insurance

67577 AGUILAR, J. DE. La mutual rural de previsiôn social y sus características. Cám. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 59:12-13. Apr.1953. 15 Sa7

67578 ASHE, H. J. Could an accident take away your farm? Everybodys Poultry Mag. 58(5):10,26-27. May 1953. 47.8 F213P

67579 CASINI, O. Health insurance for owner-operators. (In Italian.) Previdenza Sociale nell'Agr. 4: 38-47. Feb./Mar.1953. 281.8 P92
Italy.

67580 COGOTTI, A. Resources in connection with unified contributions. (In Italian.) Previdenza Sociale nell'Agr. 4:51-54. Feb./Mar.1953. 281.8 P92
Italy.

67581 CULLISON, J. B. Crop-hail insurance and crop insurance. Chicago,1952. 20 p. 284.6 C89

67582 FRANCESCHI, A. V. Prueba de regularidad de empleo para poder determinar cuándo está cubierto por el seguro social un trabajador agrícola. Rev. del Café 8(8):31. Mar.1953. 8 R3295
Puerto Rico.

67583 GABLER, H., and WYCHERA, H. Soziale sicherheit auf dem lande. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:40-43. 1952. 281.9 F732A

67584 LAUNAY. Une nouvelle formule d'assurance contre l'incendie. Terre d'Oc 32:146-150. Apr.1953. 14 Ar5

67585 MICHELI, L. Insurance burdens in agriculture. (In Italian.) Rass. dell'Agr. Ital. 8(3):23-25. Mar. 1953. 281.8 R18
Contributions for insurance.

67586 MONTANA. BOARD OF HAIL INSURANCE. 36th annual report to Montana grain growers. Helena, 1953. 8 p.-folder. 284.69 M762

67587 PICKETT, W. G. Crop insurance for farm operators. West. Farm Life 55(9):5,16. May 1,1953. 6 R153

67588 RANALDI, A. Private hunting reserve associations in accident insurance. (In Italian.) Previdenza Sociale nell'Agr. 4:48-50. Feb./Mar.1953. 281.8 P92
Italy.

67589 ROCCHI, V. M. Social security on the way. (In Italian.) Previdenza Sociale nell'Agr. 4:35-37. Feb./Mar.1953. 281.8 P92
Italy.

67590 SASKATCHEWAN MUNICIPAL HAIL INSURANCE ASSOCIATION. Annual reports, season 1952. Regina,1953. 24 p. 286.69 Sa7
Additional Municipal Hail Limited, cooperating.

67591 STURZENEGGER, O. Die vollziehungsverordnung für die obligatorische unfallversicherung im neuen landwirtschaftsgesetz. Grüne 81:484-486. (Cont.) May 1, 1953. 17 Sch9
Switzerland.

67592 TINLEY, H. L. Is there a hail in your future? Capper's Farmer 64(6):42-43. June 1953. 6 M693
Insurance.

67593 U. S. BUR. OF AGRICULTURAL ECONOMICS. Status of farm mutual legislation, by R. R. Botts. Washington,1953. 9 p. 1.941 F6St2

67594 U. S. FEDERAL CROP INSURANCE CORPORATION. FCI county procedure manual; citrus, county application procedure. Washington,1953. 17 p. 1.952 F3194

67595 U. S. FEDERAL CROP INSURANCE CORPORATION. Sales talk: suggestions and materials for developing county crop insurance programs. Washington,1953. 33 p. 1.952 Sa333

67596 WINDISCH, K. Die sozialversicherung der taglöhner. Kärntner Bauer 103:204-205. May 1,1953. 19 K14

Taxation

67597 ALLYN, M. S. Your income tax, here's way to report Washington co-op special payments. Washcoegg 30(8):8,29-30. Jan.1953. 47.8 W27

67598 ARMENTROUT, W. W., and HAYGOOD, T. F. Property tax assessment in West Virginia. W. Va. Agr. Expt. Sta. B. 358,68 p. Mar.1953. 100 W52

67599 BEHRLE. Der steuerfreie genossenschaftsschlepper. Bauern-Ztg. 6(14):3,9. Apr.10,1953. 18 B324
Germany.

67600 CHERRY, R. G., and GABBARD, L. P. Texas farm and ranch real estate taxes in the postwar period. Tex. Agr. Expt. Sta. Prog. Rpt. 1573,2 p. Apr. 17,1953. 100 T31P

67601 COOMBS, W. E. The farmer takes a loss. Taxes 31:363-368. May 1953. 284.58 T195
Income taxes.

67602 DARWISH, M. F. Land taxation & yield in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Atl'l-'Iraqiyah 8:432-445. Apr./June 1953. 22.5 Ir1
English summary, p. 12.

67603 GINGEMBRE, L. Les grandes organisations professionnelles devant la réforme fiscale. Renaissance Agr. Métrop. et Colon. 7(4):1,4,8. Apr.1953. 14 R292
France.

67604 HART, S. H., and ROE, D. W. Income tax: effects of X-disease. Amer. Hereford J. 44:36,41-42. May 1,1953. 43.8 Am32

67605 HART, S. H. Tax facts. Forced sale of livestock due to disaster affects income. Calif. Livestock News 28(18):6. May 5,1953. 45.8 C12

67606 HART, S. H. U. S. Department issues new capital gains regulations. Shorthorn World 38:15,20. Mar.15,1953. 43.8 Sh8

67607 KRIEBER, F. Besatzungskostensteuer 1953. Bauer 6(13):14-15. Mar.28,1953. 19 B32
Austria.

67608 MOSER, R. E., and others. Farmer's 1952 income tax. R. I. State Col. Ext. B. 148,28 p. Nov.1952. 275.29 R34
P. L. Putnam, V. B. Hart, and E. P. Callahan, joint authors.

67609 NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. Farmer's 1952 income tax, by R. E. Moser, P. L. Putnam, V. B. Hart, and E. P. Callahan. New Brunswick,1952. 28 p. 275.29 N46Fa

67610 PERGOLESI, A. Fiscal regime in Italy, England, and the United States. (In Italian.) Rass. dell'Agr. Ital. 8(3): 6-19. Mar.1953. 281.8 R18

67611 REULECKE, H. Umsatzsteuerfragen bei roh- und weisszuckerfabriken. Z. f. die Zuckerindus. 3:158-160. Apr.20,1953. 65.8 D48

67612 SCHENCK. Steuern sparen durch arbeitsverhältnisse mit den kindern. Landwirt. Wchnbl. 110A:665-666. Apr.16,1953. 18 L2338

67613 SCHRODER. Steuerfragen und steuertermine. Hannoversche Land- u. Forstwirt. Ztg. 106:451. Apr. 11,1953. 18 H194

67614 SERAFINI, M. Supplementary progressive tax on 1953 income. (In Italian.) Rass. dell'Agr. Ital. 8(2): 23-24. Feb.1953. 281.8 R18

67615 SERRES, E. La législation fiscale sera-t-elle un obstacle à l'équipement rural? Renaissance Agr. Métrop. et Colon. 7(4):1,8. Apr.1953. 14 R292
France.

67616 SIJTSMA, P. Expropriation and taxation. (In Dutch.) Ons Friese Platteland 7(316):2,15. Apr.24,1953. 12 On72

67617 SIJTSMA, P. Expropriation and taxation. 4. (In Dutch.) Friesch Landbbl. 50:262. Apr.17,1953. 12 F91

67618 STEWART, R. A. Income tax. Farmer's Advocate & Canad. Countryman 88(3444):7,28-30. Apr.11, 1953. 7 F22

67619 U. S. CONGRESS. HOUSE. COMMITTEE ON WAYS AND MEANS. Graduated cigarette tax. Hearings, 83d Cong., 1st sess. on H. R. 1417, March 25, 26, and 27, 1953. Washington,1953. 229 p.
Contains statements and testimony on the effect of the tax on the tobacco industry.

AGRICULTURAL LABOR AND WAGES

67620 ANDERSON, I. Minneapolis day-haul program. Employment Security Rev. 20(3):5-6. Mar.1953. 158.3 Em72

67621 BAREISS, G. Arbeitsplan und arbeitstagebuch gehören zum rationellen betrieb. Württemb. Wchnbl. f. Landwirt. 120:463-464. May 2,1953. 18 W96

67622 BAREISS, G. Kartoffellegen ohne körperliche anstrengung. Württemb. Wchnbl. f. Landwirt. 120:417-418. Apr.18,1953. 18 W96

67623 BENSON, E. T. Manpower—a basic factor in agricultural production. Employment Security Rev. 20(3): 2. Mar.1953. 158.3 Em72

67624 BUTTERFIELD, S. H. Agricultural labor outlook for 1953. Employment Security Rev. 20(3):24-25. Mar.1953. 158.3 Em72

67625 DURKIN, M. P. Making the most of our farm manpower resources. Employment Security Rev. 20(3): 2. Mar.1953. 158.3 Em72

67626 FIGUERAS, J. The sugar sharing act. Sugar News 29:74-76. Feb.1953. 65.8 Su36
Labor in the Philippines.

67627 FJETLAND, O. K. Improved conditions for migrant farm workers. Employment Security Rev. 20(3): 9-11. Mar.1953. 158.3 Em72

67628 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. Une enquête sur les temps de travail et les frais de production de la viticulture dans le Languedoc. France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture. Écon. Franç. 8:37-62. Jan./Feb.1953. 280.8 F84

67629 FRIED, M. Welfare services for 900 migrant farm workers. Canner 116(20):32-33. May 18,1953. 286.83 C16

67630 GIRI, V. V. Labour in tea gardens. Tea Trade & Indus. 2:695-697. Jan.1953. 68.18 T225

67631 GRATER, F. Eine praktische wochenarbeits- und lohnliste. Deut. Landwirt.-Gesell. Mitt. 68:331-332. Apr.2,1953. 18 N39

67632 GRETER, K. Soziale probleme des landarbeiterstandes. Schweiz. Landarb. 8:29-31. Apr.15,1953. 17 Sch98

67633 HART, L. L. Full employment for agricultural workers. Employment Security Rev. 20(3):18-19. Mar. 1953. 158.3 Em72

67634 HARTWIG. O. Der winzervertrag. Landarb.-Arch. 8:74-82. (Cont.) Mar.1953. 283.8 L23
Austria.

67635 HARTWIG. O. Winzervertrag. Landarb.-Arch. 8:124-132. (Cont.) Apr.1953. 283.8 L23
Austria.

67636 HAUER, E. Eine landwirtschaftliche marktleistung, von der man nicht gerne spricht. Übersicht 4: 319-320. Apr.1953. 18 Ub3
Labor costs in Austria.

67637 HEISCH, R. L'évolution des salaires de 1949 à 1951. Soc. de Statis. de Paris. J. 93:286-304. Oct./Dec.1952. 260 P212J
Includes agricultural wages.

67638 HOLMSTROM, S. Work simplification in agriculture saves much money. (In Swedish.) Sunt Förnuft 33:146-147,158-159. May 1953. 280.8 Su7

67639 HUDIG, J. W. Labor relations in DUW operations. (In Dutch.) Nederland. Heidemaatsch Tijdschr. 64:111-113. Apr.1953. 12 N282

67640 INTERNATIONAL LABOUR OFF. Organised movement of seasonal farm workers; methods adopted by some national employment services. Internatl. Labour Rev. 67:367-375. Apr.1953. 283.8 In8

67641 INTERNATIONAL LANDWORKERS' FEDERATION. Report of the 12th congress, Salzburg, May 28th and May 29th, 1952. Utrecht,1952. 104 p. 283.9 C764

67642 KUILE, J. TER. Labor productivity, work management and method of payment. (In Dutch.) Bergcultures 22:89,91,93,95,97. Mar.1,1953. 22.5 B45

67643 LABOUR legislation and regulations in the Italian rice fields. Internatl. Labour Rev. 67:376-388. Apr.1953. 283.8 In8

67644 LARIN, D. Five years of farm placement. Employment Security Rev. 20(3):3-5. Mar.1953. 158.3 Em72

67645 LEVINE, L. Farm labor market information. Employment Security Rev. 20(3):20-23. Mar.1953. 158.3 Em72
Recruiting and placement.

67646 LIEDBERG, G. Labor and agriculture. (In Swedish.) (Sum) Lantmannen 36:323-324. Apr.26,1952. 11 L234

67647 LIPPMANN, K. Lohnersparnis bei der rübenpflege. Zucker 6:206-207. May 1,1953. 65.8 Z82

67648 MISSLING, J. Praktische winke für kleinbetriebe! Hannoversche Land- u. Forstwirt. Ztg. 106: 468. Apr.18,1953. 18 H194
Work management.

67649 MOENS, A. Working methods in harvesting of grains. (In Dutch.) Stichting v. Coördinatie van Cult. en Onderz. van Broodgraan. Jaarb. 3:44-52. 1953. 59.9 St5J
English summary.

67650 MORGAN, Q. M., and HECHT, R. W. Labor and power used for farm enterprises, Mississippi, 1950. U. S. Bur. Agr. Econ. F. M. 103,31 p. Apr.1953. 1.941 L6F22

67651 PETTER, H. Nochmals: "Messung der arbeitsproduktivität in der landwirtschaft," (diskussionsbeitrag). Deut. Landwirt. 4:175-179. Apr.1953. 18 D4822
Russian zone.

67652 REICHERT, W. Die wertung und einteilung der arbeit, vom bäuerlichen praktiker gesehen. Österr. Landtech. 5:327-330. Dec.1952. 58.8 L236

67653 RHEINWALD, H. Probleme der arbeitswirtschaftlichen beratung im bäuerlichen familienbetrieb. Agrarwirtschaft 2:103-107. Apr.1953. 281.8 Ag826
Germany.

67654 RIELEY, F. R. Guiding migratory workers on the eastern seaboard. Employment Security Rev. 20(3): 7-8,11. Mar.1953. 158.3 Em72

67655 ROYAL, T. J. Building farm labor crews and working with them. Employment Security Rev. 20(3):12-13. Mar.1953. 158.3 Em72

67656 SACHSE, R. Zum problem der arbeitsproduktivitätsmessung in der landwirtschaft. Deut. Landwirt. 4:173-175. Ref. Apr.1953. 18 D4822
Russian zone.

67657 STEINE, S. S. What work accounts for various vegetable cultures can tell. (In Norwegian.) Gartneryrket 43:335-338. May 2,1953. 80 G1938

67658 STONEBACK, L. E., and HAMILTON, J. Sioux Indians in agriculture. Employment Security Rev. 20(3): 16-17,19. Mar.1953. 158.3 Em72

67659 STUMPF. Fristlose kündigung aus wichtigem grund. Diplomlandwirt. 3:40-41. Apr.1953. 18 D62
Labor in Germany.

67660 SWEGLE, W. E. Here's how to keep a good hired man. Successful Farming 51(5):152-156. May 1953. 6 Su12

67661 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Extension of Mexican farm labor program. Hearings, 83d Cong., 1st sess. on H. R. 3480, Mar. 24, 25, and 26, 1953. Washington,1953. 114 p.

67662 VESANOVIĆ, A. Experiences on the new organization of labor on agricultural estates. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9(3):21-22. Mar. 1953. 21.5 V87
Yugoslavia.

67663 WARD, J. L. An aid to farm recruitment—ultra-modern farm labor camp. Employment Security Rev. 20(3):14-16. Mar.1953. 158.3 Em72

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

67664 THE AGRICULTURE of Burma. Burma Com. 4:55,57,59. Jan.16,1953. 286.8 B923

67665 L'ALGERIE, pilier de l'Afrique du Nord. Economie 9(392,sup.),24 p. Apr.9,1953. 280.8 Ec726
Includes agriculture.

67666 AL-HAIDARI, D. Agriculture in Iraq between two eras. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira-'Atl'l-'Iraqiyah 8:227-238. Apr./June 1953. 22.5 Ir1
English summary, p. 2.

67667 ALLEN, H. B. Rural reconstruction in action: experience in the Near and Middle East. Ithaca,Cornell U. Press,1953. 204 p. 280.18 AL5

67668 ANDERSON, C. A. Central African federation; some background notes by a Southern Rhodesian farmer. Rur. Econ. 21(4):5-6. May 1953. 281.28 R8842
Touches upon agricultural conditions.

67669 AVERY, H. Our farm programme. Ontario Plowmen's Assoc. Annu. Rpt. 40:45-50. 1951,pub.1952. 7 On84

67670 BALDWIN, A. Will cheap food return? (Digest) Rur. Econ. 21(4):9. May 1953. 281.28 R8842
Agricultural productivity in Great Britain.

67671 BARBUT, M. La situation de l'agriculture algérienne. Nouvelle Rev. Franç. d'Outre-Mer (n.s.)45: 92-95. Apr.1953. 280.8 B873

67672 BARRINGTON, J. S. Is Eire pulling her weight? Times Agr. Rev. 4:8-9. Spring 1953. 10 T48

67673 BELIME, E. L'agriculture en Afrique noire. Marchés Colon. du Monde 9:1067-1069. Apr.11,1953 286.8 M33

67674 BELL, A. F. Future of our agriculture. II. Prod. Rev. 43(5):5. Mar.15,1953. 23 P942
Queensland.

67675 BENSON, E. T. Inherited problems. Washington,U. S. D. A.,Off. Sec.,1953. 18 p. 1.91 A2B44
Address before the National Farm Ranch Congress of the Denver Chamber of Commerce, Denver, Colo., Apr. 7, 1953.

67676 BENSON, E. T. Legislative-executive relationships in the administration of programs as viewed by the executive. Washington,U. S. D. A.,Off. Sec.,1953. 14 p. 1.91 A2B44
Address before the Graduate School of the U. S. Department of Agriculture, Washington, D. C., Apr. 30, 1953.

67677 BENSON E. T. A message. Penn State Farmer, Forester & Sci. 4(4):7. Mar.1953. 276.8 P382
Agricultural policy.

67678 BENSON, E. T. Our agricultural resources. Washington,U. S. D. A.,Off. Sec.,1953. 8 p. 1.91 A2B44
Remarks before annual meeting of the Chamber of Commerce of the United States, Apr. 29, 1953, Washington, D. C.

67679 BEUKERING, C. H. J. VAN. Bill providing for autonomy in Western German agriculture. (In Dutch.) Landbouwwereldnieuws 8:278-279. May 2,1953. 12 L237

67680 BISSET, J. J. Wigtownshire. Hearth & Farm 7:228. Spring 1953. 10 B47
Agriculture.

67681 BOON, C. Farm cooperation in Western Europe. (In Flemish.) Tuinbouwberichten 17:49-50. Apr. 15,1953. 80 T817
The Green Pool.

67682 BOURUET-AUBERTOT, Le "Pool Vert" et l'Union Française. Nouvelle Rev. Franç. d'Outre-Mer (n.s.)45:87-91. Apr.1953. 280.8 B873

67683 BOURUET-AUBERTOT, J. Le "Pool Vert" européen et l'agriculture de l'Union Française d'Outre-Mer. Marchés Colon. du Monde 9:1247-1249. (Cont.) May 2,1953. 286.8 M33

67684 BOURUET-AUBERTOT, J. Le "Pool Vert" européen et l'agriculture de l'Union Française d'Outre-Mer. Marchés Colon. du Monde 9:1309-1310. May 9, 1953. 286.8 M33

67685 BURTIN, J. Nouvelle étape en vue du Pool Vert. Fiches Rur. 91:9-12. May 1953. 281.8 F44

67686 BUTZ, E. L. The economic climate for agriculture. (Sum.) Grain & Feed Rev. 42(7):16-17. Mar. 1953. 280.28 G78

67687 CADIOT, J. L'importance de l'agriculture dans la région de Rabat. Petit Casablancais 33(1619):2. Mar.28,1953. 280.8 P44

67688 CALIFORNIA. AGRICULTURAL EXPERIMENT STATION. Agricultural publications, January 1953. Berkeley,1953. 34 p. 100 C12Li

67689 CANADIAN FEDERATION OF AGRICULTURE. President's annual address, seventeenth annual convention, Victoria, B. C., January 27, 1953, by H. H. Hannam. Ottawa,1953. 16 p. 281.9 C166P
Agriculture.

67690 CANDUSSIO, R., and SCABARDI, L. An agrological and zootechnical report on the plain of Hasamò (Adi Caieh), Eritrea. (In Italian.) Riv. di Agr. Subtrop. e Trop. 47:45-65. Jan./Mar.1953. 26 Ag82
English summary.

67691 CASSA PER IL MEZZOGIORNO. The "Cassa per il Mezzogiorno;" purposes and present accomplishments. Roma,1952. 15 p. 280.9 C27C

67692 CLEOPHAS, J. Progreso agrícola realizado en el Brasil. Hacienda 48(5):39. May 1953. 6 H11

67693 CLOUGH, S. B. The American way; the economic basis of our civilization. New York,Crowell,1953. 246 p. Ref. 280.12 C62
Contains a chapter on extensive agriculture.

67694 COMPAGNA, F. Two years of the Fund for the South. (In Italian.) Cassa per il Mezzogiorno. Not. 1(4): 6-12. Apr.1952. 280.8 N82

67695 DARI, E. M. How a foreigner looks at the problem of southern Italy. (In Italian.) Rass. dell'Agr. Ital. 8(1):13-17. Jan.1953. 281.8 R18
Agriculture.

67696 DAVIS, J. H. Who should carry out our farm programs? Mktg. Activ. 16(4):3-6. Apr.1953. 1.942 A8M34

67697 DESFARGES, P. Une fructueuse journée d'études sur la "vie rurale en montagne." Bois et Scieries 29:355. Mar.26,1953. 99.81 B632
France.

67698 DINERSTEIN, H. S. Leadership in Soviet agriculture and the Communist Party; 2 September 1952. Santa Monica,Calif.,Rand Corp.,1952. 254 p. Ref. (Project Rand Research Memorandum, RM-923) 281.179 D61

67699 ELLIOT, W. The future of farming. Farmers Annu. 1953:6-8. 10 F2237
Great Britain.

67700 FRANCE. DEPT. DES BOUCHES-DU-RHÔNE. DIRECTION DES SERV. AGRICOLES. L'agriculture dans les Bouches-du-Rhône. Marseille,1952? folder. 33.17 F8464

67701 FRANCE. DIRECTION DE LA DOCUMENTATION. Les Indes Occidentales Britanniques. 2. La Jamaïque et le projet de fédération des Indes Occidentales. France. Dir. de la Doc. Notes et Etudes Doc. 1733,22 p. Apr.28,1953. 280.9 F843
Includes agriculture.

67702 FRANCISCO, D. L. For an agricultural development program. Agr. & Indus. Life 15(3):2-3,41. Mar. 1953. 25 Ag8
In the Philippines.

67703 FREGOLA, C. Situation and needs of Piedmont agriculture. (In Italian.) Cron. Econ. 122:12-14. Feb. 1953. 280.8 C882

67704 GAVIN, SIR W. As we are; an anatomy of farming. Farmers Wk. [London] 38(20):67. May 15,1953. 10 F2226
Great Britain.

67705 GEORGIA. AGRICULTURAL EXPERIMENT STATION. Money makers. Ga. Agr. Expt. Sta. Prog. Rpt. 1,16 p. Dec.1952. 100 G293
Agricultural opportunities.

67706 GT. BRIT. COLONIAL DEVELOPMENT CORPORATION. Report and accounts for 1952. London, 1953. 62 p. 280.9 G7933

67707 GUIDA Monaci; annuario generale di Roma e Provincia, 79, 1953 [Monaci guide for Rome and Province, 79, 1953]. Roma,Camera di Commercio,Industria e Agricoltura,1953? 2380 p. 225 G945
Includes an agricultural directory.

67708 HENRICHS, A. Der weg zur grösseren einheit. Deut. Landwirt.-Gesell. Mitt. 68:327-331. Apr.2,1953. 18 N39
Agricultural policy.

67709 HERKLOTS, G. A. C. Agricultural problems in the British colonies. Queensland Fruit & Veg. News 3: 199-200. Feb.12,1953. 280.38 Q3

67710 HERMANNSSON, P. Bad year. (In Icelandic.) Freyr 48:118-133. Apr.1953. 11 F89
For agriculture.

67711 HOLMES, H., and SAYRE, MRS. R. Point 4 and world agriculture. Natl. Farm Inst. Proc. 15:85-96. 1953. 4 N219

67712 HOOBLER, S. Q. Keeping up on the farm outlook. Wash. State Col. Ext. C. 227,6 p.-folder. Apr.30, 1953. 275.29 W27C

67713 HOPE, C. R. Looking ahead in agriculture. Amer. Plant Food Council. J. 7:6-7,11. Jan./Mar.1953. 57.8 P692

67714 HOPE, C. R. There's no prosperity without prosperity for the farmer. Mortgage Banker 13(8):16-20. May 1953. 284.29 M84
Agricultural policy and price control.

67715 HURD, A. How far can Britain feed herself? Country Life Annu.,Christmas 1952:116-117. 80 C835

67716 THE ISRAEL yearbook, 1952/53. Tel Aviv, 1953. 408 p. 280.8 Is73
Includes agriculture.

67717 JASKA, E. Agricultural policy trends in Latin America. Agr. Abroad 8(4):3-11. Apr.1953. 281.9 C1642A

67718 JAWDAT, A. R. Agricultural Iraq at the dawn of the new era. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:225-226. Apr./June 1953. 22.5 Ir1
English summary, p. 2.

67719 JEANMAIRE, H. La organización económica de la agricultura francesa. Trab. Nac. 1598:907-908. Oct.1952. 280.8 T672

67720 KANSAS. UNIVERSITY. SCHOOL OF BUSINESS. BUR. OF BUSINESS RESEARCH. Some controlling forces in Kansas population movement, by J. D. Morgan. Lawrence,Kans.,1953. 126 p. 280 K13
Contains a section on the changing position of agriculture.

67721 KERVEGANT, D. L'équilibre agricole vivero-industriel à la Martinique. France. Min. de l'Agr. B. Tech. d'Inform. 77:209-218. Mar.1953. 14 F844B

67722 KROHN, H. B. Gedankenaustausch mit Franzosen; eindrücke von der landwirtschaft Nord- und Mittelfrankreichs. Ausbild. u. Beratung in der Landwirt. 6:71. (Cont.) Apr.1953. 18 N11

67723 KROHN, H. B. Die produktivität der landwirtschaft im europäischen vergleich. Agrarwirtschaft 2:108-112. Apr.1953. 281.8 Ag826

67724 KUSS. Betriebswirtschaftliche studienfahrt durch Grossbritanniens landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 120:416-417,445-446. (Cont.) Apr.11, 1953. 18 L2344

67725 KUSS. Betriebswirtschaftliche studienfahrt durch Grossbritanniens landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 120:474-475. (Cont.) Apr.18,1953. 18 L2344

67726 KUSS. Betriebswirtschaftliche studienfahrt durch Grossbritanniens landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 120:504-505. (Cont.) Apr.25,1953. 18 L2344

67727 KUSS. Betriebswirtschaftliche studienfahrt durch Gross-Britanniens landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 120:560-562. (Concl.) May 9,1953. 18 L2344

67728 LAGGNER, H. Rentabilität und produktionssteigerung in der landwirtschaft. Landwirt. Mitt. 93(8): 3. Apr.15,1953. 19 L236
Austria.

67729 LAMONT, A. Scotland, the wealthy nation; a scientist's survey of Scots resources. Glasgow,1952. 144 p. (Scottish Secretariat. Pamphlet 51) 280.171 L19
Includes agriculture and forestry.

67730 LARICCIA, M. Solidarity against hunger. (In Italian.) Alimentazione 3(3):7-12. Mar.1953. 389.8 AL45
Food and Agriculture Organization of the United Nations.

67731 LAWYER, B. F., and others. What's the outlook for livestock and crops? Nowest. Banker 58(790): 16-17,26,28. May 1953. 284.8 N81
J. M. Shonsey, T. L. Westra, F. C. Crone, and B. M. Harris, joint authors.

67732 LEITÃO, E. Let us avoid hunger. (In Portuguese.) Lavoura 57:5-6. Jan./Feb.1953. 9.2 L39
Agricultural production in Brazil.

67733 LEONE, E. DE. First attempts at the agricultural promotion of Eritrea. (In Italian.) Affrica 8: 75-77. Mar.1953. 280.8 Af2

67734 LI, S. C. New China's achievements in agricultural production during the past three years. In China Committee for the Promotion of International Trade. New China's economic achievements, p.187-194. Peking,1952. 280.184 C445

67735 LINDER, H. F. Problems of American agriculture and foreign trade. U. S. Dept. State. B. 28:651-654. May 4,1953. 150 B87

67736 LOTZ, J. VAN Z. Ohrigstad is now "discovered"; agricultural region moves to a new future. (In Afrikaans.) Landbouweekblad 34(1761):12-13. Apr.15, 1953. 24 L232

67737 LOUWES, H. D. Building of Europe. (In Dutch.) Stichting v. de Landb. Meded. 8:118-119. Apr. 10,1953. 12 St5
The Green Pool.

67738 LOUWES, H. D. Denmark and the Green Pool. (In Dutch.) Landbode 7(16):1. Apr.16,1953. 12 L234

67739 MCCONNELL, G. The decline of agrarian democracy. Berkeley,U. Calif. Press,1953. 225 p. Ref. 281.12 M133

67740 MACEK, V. Peasantry and raising of the standards of life. Internatl. Peasant Union. B. 4(3/4):4-5. Mar./Apr.1953. 280.9 In822
Productivity under collective farming in Yugoslavia.

67741 MCLEAN, C. W. The measurement of European agriculture. Agr. Abroad 8(4):1-3. Apr.1953. 281.9 C1642A

67742 MALENKOW, G. M. Die fortschritte der landwirtschaft in der UdSSR. Ernähr. der Pflanze 1/2:22-26. Jan./Feb.1953. 57.8 Er62
English summary.

67743 MANNICHE, P. Living democracy in Denmark; independent farmers, farmers' cooperation, the folk high schools. Copenhagen,Gad,1952. 237 p. Ref. 280.173 M31

67744 MAUGINI, A. Technical assistance of the F. A. O. and prospects for the future. (In Italian.) Riv. di Agr. Subtrop. e Trop. 47:1-10. Jan./Mar.1953. 26 Ag82
English summary.

67745 MAYER, A. C. Land and society in Malabar. London,Oxford U. Press,1952. 158 p. Ref. 280.182 M45

67746 MENEZES, R. B. DE. Basic fundamentals for the progress of national agriculture. (In Portuguese.) Coop [Bahia] 11(106/107):3-4. Sept./Oct.1952. 280.28 C7842
Brazil.

67747 MENNICKEN, A. Selbsthilfemöglichkeit der landwirtschaft. Landwirt. Z. der Nord-Rheinprov. 120: 506-507. Apr.25,1953. 18 L2344
Agricultural policy.

67748 MILAN. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Aspects of unemployment in the Province of Milan. I. Physical, economic and demographic characteristics. (In Italian.) Cam. di Com. Indus. e Agr. di Milano. Studi e Statis. 6:15-58. Jan.1953. 280.9 M587B
Contains a section on agriculture.

67749 MILLER, R. W. Dinner tables around the world. Amer. Country Life Assoc. Proc. 31:58-67. 1952. 281.2 N213
Point IV Program.

67750 MOHR, W. Kurze rechtskunde für land- und forstwirtschaft. Ed. 2. Wien,Österreichischer-Agrarverlag,1952. 111 p. 30.5 M72

67751 MORSE, T. D. Agricultural progress. Washington,U. S. D. A.,Off. Sec.,1953. 12 p. 1.91 A2M83
Address before annual meeting, National Cheese Institute, Chicago, Ill., Apr. 28, 1953.

67752 MULLER, O. Benson präzisiert seine landwirtschaftspolitik. Schweiz. Milchztg. 79:227. Apr.28, 1953. 44.8 Sch92

67753 NATIONAL FARM INSTITUTE. "The capital needs of agriculture"; fifteenth annual proceedings, February 20 and 21, 1953, Des Moines, Iowa. n.p.,1953. 1953. 96 p. 4 N219

67754 NATIONAL RESEARCH COUNCIL OF THE PHILIPPINES. National Research Council of the Philippines. Natl. Res. Council Philippines. B. 32,240 p. Jan.1952. 330.9 N218B
A list of publications of members of the Council, includes material on agriculture.

67755 NEIGHBOURS, J. L. Agriculture and cattle in the religious life of early man. Aberdeen-Angus J. 34(10): 74,108. (Cont.) May 1953. 43.8 Ab3
In the Bible.

67756 NOSTI, J. Guinea española, provincia ecuatorial. Asoc. Nac. de Ingen. Agrón. B. 3(35):11-16. Feb. 1953. 58.9 As5
Agriculture.

67757 ORCEL, G. Fund for the South and national economy. (In Italian.) Cassa per il Mezzogiorno. Not. 2(2):3-9. Feb.1953. 280.8 N82
Agricultural program for the South of Italy.

67758 PACHECO E CHAVES, J. O plano quadrienal do Governo Garcez, na Secretaria da Agricultura [The Four-Year Plan of the Garcez Government, in the Department of Agriculture]. São Paulo,Secretaria da Agricultura do Estado de São Paulo,Diretoria de Publicidade Agrícola,1952. 72 p. 281.163 P11

67759 PAEZ C., J. Algunos aspectos de la agricultura peruana. Vida Agr. [Lima] 30:145-147,149,151,153, 155-160. Feb.1953. 9.8 V66

67760 PAMPLONA BLASCO, M. España y el "pool verde." Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 59:3. Apr.1953. 15 Sa7

67761 PANARETOS, A. Cyprus agricultural proverbs. Countryman [Nicosia] 7(2):6-7. Feb.1953. 25 C83

67762 PATRONS OF HUSBANDRY. NATIONAL GRANGE. Address of Herschel D. Newsom, Master, before the 86th annual session at Rockford, Illinois, November 12, 1952. n.p.,1952. 20 p. 4 P272Hd
Agricultural situation.

67763 PHILLIPS, R. W., and others. FAO advisory assistance to member countries under the UNRRA-Transfer Fund. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 24,54 p. Feb.1953. 281.9 F733
T. F. Peebles, W. H. Cummings, and L. Passerini, joint authors.

67764 PITOT, R. Le concours général agricole fut une réussite. Agriculture [Paris] 17:77-78. Mar.1953. 14 Ag823

67765 RANEK, L. The position of agriculture in the Soviet Union. (In Danish.) Denmark. Landbrraadet. Meddel. 16:316-320. Apr.16,1953. 11 D415L

67766 RATCHFORD, C. B. Agriculture is big business. Carolina Farmer 8(4,i.e.5):14,23. May 1953. 6 C223
North Carolina.

67767 RATNAM, R. Some past trends in agricultural production in the Andhra Districts and the rest of Madras State. Madras Agr. J. 40:100-112. Mar.1953. 22 M262

67768 RAUSCHER, R. Amerikas landwirtschaft. Bauer 8(15):2-4. Apr.11,1953. 19 B32

67769 RENNE, R. R. MSA and Philippine agriculture. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(4): 26-30. Apr.1952. 25 P544P

67770 RYAN, D. W. S. Newfoundland farming on upturn. Family Herald & Wk. Star 84(10):5,11. Mar.5, 1953. 7 F21

67771 SALTER, R. M. New frontiers in Southern agriculture. Washington,U. S. Soil Conserv. Serv.,1953. 16 p. 1.965 A2Sa3
Address at the Crimson Clover Festival, Winchester, Tenn., May 1, 1953.

67772 SANTINI, C. Productivity in agriculture. (In Italian.) Italia Agr. 90:169-174. Mar.1953. 16 It1

67773 SCHERMERHORN. Aerial survey and its relation to agriculture. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:489-496. Apr./June 1953. 22.5 Ir1
English summary, p. 15.
Iraq.

67774 SCHLANGE, E. S. Wirtschaftsintegration und agrarunion. Agrarwirtschaft 2:101-102. Apr.1953. 281.8 Ag826
Europe.

67775 SCHNEIDER, H. A. Labor's stake in orderly agricultural expansion. Natl. Farm Inst. Proc. 15:62-65. 1953. 4 N219

67776 SHAW, B. T. Meeting the needs of our growing population. Chemurg. Digest 12(4):12-13,20. Apr.1953. 381 N213Na
Increasing agricultural productivity.

67777 SMALL, C. J. The Netherlands' farmer prospers. Foreign Trade 13(333):2-6. May 16,1953. 286.8 C162

67778 STOIBER, J. Das österreichische agrarrecht. Wien,Österreichischer Agrarverlag,1952. 351 p. 30.5 St6

67779 TAYLOR, F. Rhode Island's 1953 agricultural outlook. R. I. State Col. Ext. Mimeog. C. 80,6 p. Jan.1, 1953. 275.29 R34M

67780 THATCHER, M. W. Farmers first to feel economic pinch. Grain Prod. News 5(8):7. Apr.1953. 286.81 G764

67781 THE TIMES, LONDON. Growing more food. London,Times Pub. Co.,1952. 6 p. 281.171 T48G

67782 TIMMERMANN, F. Stirbt das bauerntum? Landwirtbl. Weser-Ems 100:407-408. Apr.9,1953. 18 L2345

67783 TRIDENTE, N. La fiera del Levante e il Mezzogiorno nel quadro produttivistico nazionale [The Levant Fair and the South within the framework of national productivity]. Bari,Laterza,1952. 14 p. 280.176 T732

67784 TSENG, H. P. A new China emerges; report on a trip to farming areas in southern Taiwan. n.p., Joint Comn. Rur. Reconstr. China (U. S. & China) 13,11 p. 1952. 280.184 T782

67785 U. S. DEPT. OF THE INTERIOR. OFF. OF TERRITORIES. Mid-century Alaska. Washington,1952. 170 p. 156.862 AL12
Includes agriculture.

67786 USUELLI, F. The great reduction of productive potential in the world's agriculture and its consequences. (In Italian.) B. dell'Agr. 87(15):1-3; (16):1-2. Apr.10-17,1953. 16 B87

67787 VIGGIANI, G. Mountain agriculture in Lucania. (In Italian.) Italia Agr. 90:201-205. Mar.1953. 16 It1

67788 VILLOT, J. Les pays de montagne ont-ils un avenir? Fiches Rur. 91:5-8. May 1953. 281.8 F44

67789 WELLS, O. V., and others. Symposium panel—"Planning for an expanding agriculture." Natl. Farm Inst. Proc. 15:33-41. 1953. 4 N219
I. W. Duggan, J. D. Black, and H. C. Smith, joint authors.

67790 WELTE, E. Die landwirtschaft—lebensgrundlage des irischen volkes. Ubersicht 4:309-314. Apr. 1953. 18 Ub3

67791 WIGHTMAN, R. The future of British agriculture. (Condensed.) Inst. Corn & Agr. Merchants. J. 4:30-33. Spring 1953. 10 In7

67792 WILLIAMS, C. Revolution in agriculture. Battelle Tech. Rev. 2:47. May 1953. 470 B32

67793 ZIMMERMANN, J. La planificación y las inversiones en la agricultura o en la industria. Cuba Econ. y Financ. 28(324):13-14. Mar.1953. 286.8 C892

Subsidies

67794 CANTERBURY CHAMBER OF COMMERCE. "Essential" food and clothing subsidies. Canterbury Chamber Com. B. 338,2 p. Feb.1953. 280.8 C16

67795 SCHLANGE, E. S. Die subventionen in Westdeutschland. Agrarwirtschaft 2:123-124. Apr.1953. 281.8 Ag826

COST AND STANDARD OF LIVING

67796 JEHLIK, P. J. How high are we living? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:209-210. May 1953. 275.28 Io94

FARM MANAGEMENT AND LAND ECONOMICS

67797 ADLER, E. D. Planning against drought. Farming So. Africa 28:41-42,46. Feb.1953. 24 So842
Conservation farming.

67798 ALI, H. M. Small holdings in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati-l-'Iraqiyah 8:286-297. Apr./June 1953. 22.5 Ir1
English summary, p. 5.

67799 ANDREAE, B. Probleme der österreichischen bergbauernbetriebe. Agrarwirtschaft 2:118-120. Apr. 1953. 281.8 Ag826

67800 ARNO, J. R. Should poultrymen have a sideline. Maine Poultry Impr. Assoc. Ybk. 1953:9,11. 47.9 M282

67801 BAUM, E. L., and FLETCHER, H. B. Application of profit maximizing techniques to commercial fryer enterprises. Poultry Sci. 32:415-423. May 1953. 47.8 Am33P

67802 BAUM, E. L., and others. An application of profit maximizing techniques to experimental fryer input-output data. Poultry Sci. 32:375-383. May 1953. 47.8 Am33P
H. B. Fletcher, H. G. Walkup, and W. J. Stadelman, joint authors.

67803 BAY, W. Are you the man that should make farming your career? Mo. Col. Farmer 45(7):6-8. Apr. 1953. 6 M691

67804 BERTSCH, M. Bright future in the South; many midwesterners are trying hand at southern farming, but don't look for an easy time. Prairie Farmer, Gen. Ed. 125(10):5,52. May 16,1953. 6 P883

67805 BOYER, R. J. F. The land as a profession. Agr. Gaz. N. S. Wales 64:123-124,128-129. Mar.1953. 23 N472

67806 CANADA. MARKETING SERV. ECONOMICS DIV. Farm business in the Gilbert Plains and Sifton areas of Manitoba, by J. G. MacKenzie. Ottawa,1953. 46 p. 281.133 C16F

67807 CERNOWSKY, W. Kollektivvertrag für bäuerliche betriebe. Landwirtschaft 7/8:125-126. (Cont.) Apr.1953. 19 L235
Austria.

67808 CHERRY, W. M. Friends in Finland. Hearth & Farm 7:243-244. Spring 1953. 10 B47
Farming.

67809 COLBORN, L. R. A compounder in Kenya. II. Agr. Merchant 33:110-112. (Cont.) Apr.1953. 10 Ag89

67810 CRAM, J. S. Modern farm practice pays off: north of Edmonton wheat is fast being replaced by improved forage crops and soil conservation ideas. Family Herald & Wk. Star 84(20):3,19. May 14,1953. 7 F21

67811 CULLEN, N. A. Reclamation and development of marginal hill country at Invermay Research Station. New Zeal. J. Agr. 86:98-101,103-104. Feb.16,1953. 23 N48J
Includes tillage methods, costs and returns, and pasture management.

67812 CUTRIGHT, P. G. Pointing the way to progress. Farm & Ranch—South Agr. Upper So. Ed. 83(5):15,42. May 1953. 6 T31
Five-year program for better farming in Clay County, North Carolina.

67813 DAVIDSON, L. R. Rubber smallholders—problems and progress. World Crops 5:190-193. May 1953. 281.8 W892
Rubber plantations in Malaya.

67814 DEGRAFF, H. Management makes the difference. (Digest.) Nebr. Agr. 25(4):4-5. Apr.1953. 275.293 Nebraska

67815 DUPONT, A. Loi du 26 juillet 1952 portant codification de la législation des jardins familiaux. Rev. de Lég. Agr. 6:43-44. Mar.1953. 281.8 R325
France.

67816 EDWARDS, R. S. Aberystwyth to Reading, a change of farming scene. U. Col. Wales. Agr. Soc. J. 33:30-32. 1952. 10 Un3

67817 FOSTER, P. Revolution in the islands. Dow Diamond 16(2):1-6. Apr.1953. 381 D752
Improved farming practices in Hawaii.

67818 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. La structure du vignoble du Gard. France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture. Écon. Franç. 8:22-36. Jan./Feb.1953. 280.8 F84
Management aspects.

67819 FRANKENA, H. J. A grassland area in figures. (In Dutch.) Nederland. Zuivelbond. Off. Organ 13:200-201. Apr.1,1953. 44.9 AL3

67820 FUSSELL, G. E. A Devonian land steward: John Richards of Exon, floruit 1730. Land Agents' Soc. J. 52:195-196. May 1953. 282.9 L22

67821 GARLOCK, F., L., and others. Financial structure of Virginia agriculture. U. S. D. A. Agr. Inform. B. 97,59 p. Feb.1953. 1 Ag84Ab
M. E. Wallace, R. W. Bierman, and H. M. Love, joint authors.
Management aspects including income and credit.

67822 GELPI, E. Sus recursos de producción. Puerto Rico. Agr. Col. Ext. Fol. E-8,4 p. Feb.1953. 275.29 P96E

67823 GREEN, V. E. Farm crops invade the Everglades. Crops & Soils 5(8):22,30. June/July 1953. 6 W55

67824 GRETER, K. Wer wird wohl den landarbeiterberuf ergreifen? Schweiz. Landarb. 7:25-26. Apr.1,1953. 17 Sch98

67825 HAGEM, K. On what type farms in Østfold do you recommend a change from mixed farming to corn growing only. (In Norwegian.) Samvirke [Oslo] 48:287-288. May 1,1953. 280.28 Sa4

67826 HOGLUND, C. R. Economy of improved production practices on specialized dairy farms in southeastern Michigan. Mich. Agr. Expt. Sta. Ag. Econ. 491, 54 p. Apr.1952. 281.9 M586
Management.

67827 HOLTZE, K., and WISSEMAN, W. Leitfaden für junge landwirte. Hannover,Landbuch-Verlag,1952. 316 p. (Was du Wissen Musst) 33.27 H743

67828 HOPKINS, J. A., and MURRAY, W. G. Elements of farm management. Ed. 4. New York,Prentice-Hall,1953. 455 p. Ref. 281 H77E

67829 HUNT, R. L. Farm management in the South. Danville,Ill.,1953. 581 p. 281.002 H91

67830 HUSEMANN, C. Die ertrags- und betriebsgestaltung in den marschen. Hannoversche Land- u. Forstwirt. Ztg. 106:480-481. Apr.18,1953. 18 H194

67831 HUTTEBRAUKER. Technisierung—falsch oder richtig? Landwirt. Z. der Nord-Rheinprov. 120:477-478. Apr.18,1953. 18 L2344

67832 JOHNSON, H. A. Family farm agreements for Alaska. Alaska. U. Agr. Ext. B. 100,rev.,20 p. Ref. Mar. 1953. 275.29 AL13Eb

67833 JOLLY, A. L. Peasant Agriculture Investigation at I.C.T.A. Agr. Soc. Trinidad & Tobago. J. 52:393-395,397-401. Dec.1952. 8 T73

67834 JONES, J. L. A return to the hills. Field 201: 712-713. Apr.30,1953. 10 F45

67835 KESSELRING, H. Organisation und kostenaufwand eines weinbaubetriebes. Schweiz. Z. f. Obst- u. Weinbau 62:142-149. Apr.18,1953. 80 Sch9

67836 KHAN, A. R. Hints to the farmer: better farming. Indian Farming (n.s.)11(12):8-9. Mar.1953. 22 In283

67837 KIRYU, S. Peculiarities of farm management in the single-cropping zone of Japan. (In Japanese.) Shizuoka U. Facul. Agr. Rpt. 2:25-46. 1952. 107.6 Iw92
English summary.

67838 KNOLL, W. Untersuchung über die abgrenzung und agrarpolitische bedeutung der ackernahrung, durchgeführt auf grund der verhältnisse im kreis Friedberg in der Wetterau. (Sum.) AID Rundschau 2:15-16. Apr.1952. 18 Ai2

67839 KONOLD, O. Landwirtschaftliches lehrbuch, v. 1. Stuttgart,Ulmer,1953. 762 p. 30 K834

67840 KUMAR, L. S. S. Agriculture as a career. Poona Agr. Col. Mag. 43:136-139. Nov.1952/Feb.1953. 22 P79

67841 LIERMAN. L'équilibre judicieux des productions animales et végétales dans une exploitation agricole. Acad. d'Agr. de France. Compt. Rend. 39:173-175. Feb.11/18,1953. 14 P215Bc

67842 LISSNER, W. Landholdings of the United States Government. Amer. J. Econ. & Sociol. 12:265-266. Apr.1953. 280.8 Am393

67843 LOBBECKE, H. VON. Betriebsgestaltung und wirtschaftsunkosten. Deut. Landwirt.-Gesell. Mitt. 68: 349-350. Apr.9,1953. 18 N39

67844 MCDANIEL, W. E., and POND, G. A. Changes in the dairy farming picture; their effect on farmers' earnings at various price levels. Minn. Agr. Expt. Sta. B. 416,20 p. Jan.1953. 100 M66

67845 MCHARDY, D. N. Putting Irish farms on their feet again. Power Farmer 10:177,179. May 1953. 58.8 P872

67846 MARRONI, A. Visit to a Swedish experimental farm. (In Italian.) Riv. di Zootec. 26:85-88. Mar.1953. 49 R52

67847 MARSHALL, D. What is the future of the family farm? Amer. Country Life Assoc. Proc. 31:88-98. 1952. 281.2 N213

67848 MEINDL, G. Bäuerliche betriebe in Schweden. Landwirtschaft 7/8:122-124. Apr.1953. 19 L235

67849 MORILLO, M. La agricultura que debe saber un "payés." Ceres [Valladolid] 18(202):29,31. Apr.1953. 15 C33
Farming methods.

67850 MORRIS, SIR P. The expert and the layman. Agr. Econ. Soc. J. Proc. 10:192-197. Feb.1953. 281.9 Ag8

67851 MULLER, H., and BECKER, F. Was unsere funktionäre vom betriebsplan der produktionsgenossenschaften wissen müssen. Demokratische Dorf 2(11):10-13. Nov.1952. 281.8 D39
Farm program in the Russian zone of Germany.

67852 NEETHLING, J. C. Changes in farming systems and land utilisation in four cropping areas, since 1937. Farming So. 28:55-57,72. Feb.1953. 24 So842
Costs and returns in South Africa.

67853 NICHOLLS, W. H. Multiple-unit operations and gross farm income distribution within the old Cotton Belt. South. Econ. J. 19:467-480. Apr.1953. 280.8 So84

67854 NORSKE MYRSELSKAP. Annual report and accounts of the Norwegian Marshland Society for 1952. (In Norwegian.) Norske Myrselsk. Meddel. 51:39-55. Apr. 1953. 11 N813

67855 NORSK MYRSELSKAP. FORSØKSSTASJON PÅ MAERESMYRA. Short report on weather and crops at the Norwegian Marshland Society's Experiment Station at Maeresmyra for the crop year 1952. (In Norwegian.) Norske Myrselsk. Meddel. 51:56-60. Apr.1953. 11 N813

67856 PAGANI, A. Varied activities of the farmer. (In Italian.) Riso 2(4):3-4. Apr.1953. 59.8 R49
Italy.

67857 PARVIN, D. W. An economic appraisal of sheep production in the northeast prairie of Mississippi. Miss. Agr. Expt. Sta. B. 495,20 p. Dec.1952. 100 M69
Farm management and costs and returns.

67858 PARVIN, D. W., and TRAMEL, T. E. An economic study of dairy production in Mississippi. Miss. Agr. Expt. Sta. M. R. 8,30 p. June 1952. 100 M69Mr
Management and costs and returns.

67859 PATERSON, R. Reducing costs of production. Farmers Annu. 1953:34-35. 10 F2237
Great Britain.

67860 PEARSON, H. S. Country living—city working. Rur. New-Yorker 103:283,292-293. Apr.18,1953. 6 R88

67861 PECK, J. H. So you're going to retire and take up farming! Sat. Evening Post 225(47):40-41,74,76. May 23,1953. 110 Sa8

67862 RENK, W. The family type farm and its relationship to our security. Amer. Country Life Assoc. Proc. 31:84-88. 1952. 281.2 N213

67863 RICHARDS, M. M. Valley of long growth. Country Guide 72(5):9,57. May 1953. 7 G76
Farming in Canada.

67864 RIPLEY, P. O. What is grassland farming? Macdonald Farm J. 13(7):1. Mar.1953. 101 M144
Canada.

67865 RUISCH, H. The feed balance as aid in the setting up of a feed, fertilizer, and use program for the farm. (In Dutch.) Netherlands. Landbvoorlichtingsdienst. Landbvoorlichting. 10:167-173. Apr.1953. 12 N383M
Grassland farming.

67866 RUSSELL, B. Adjusting your business to meet increased costs. Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:43-45. Apr.1953. 281.8 Am32

67867 RUSSELL, J. S. You can stay in the black this year. Iowa Farm & Home Register, 14-H-15-H. Apr.5,1953:14-15. 6 Io94

67868 SALISBURY, G. Does the Wheat Belt need more livestock? Capper's Farmer 64(6):15,26,28,31. June 1953. 6 M693

67869 SAUNDERSON, M. H. Special cattle ranch developments in the Northern Great Plains and in the Northwest. Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:57-62. Apr.1953. 281.8 Am32

67870 SCHAPPER, H. P. An open letter to dairy-farmers. West. Austral. Dept. Agr. J. (ser.3)2:131,133, 135-136. Jan./Feb.1953. 23 W52J

67871 SCHRODER-ETZDORF, M. Betriebsvergleich gefragt! Deut. Landwirt.-Gesell. Mitt. 68:397-398. Apr. 23,1953. 18 N39
Management and costs.

67872 SEATON, S. H. The royal farms at Windsor. Country Guide 72(5):7,43. May 1953. 7 G76

67873 SMELTZER, G. G. Nova Scotia goes to grass. Macdonald Farm J. 13(7):5-6. Mar.1953. 101 M144
Grassland farming.

67874 SMITH, C. S., and HUTCHINSON, J. The Queen: farmer; we proudly present this record of the work and policy of the Royal farms. Farmers Wk. [London] 38(20):52,55-60. May 15,1953. 10 F2226

67875 THOMAS, W. J. The teaching of farm management. Agr. Econ. Soc. J. Proc. 10:158-173. Feb.1953. 281.9 Ag8
Includes discussion.

67876 THOMPSON, W. R. Here comes the South; Dixie's remarkable success with grassland-livestock demonstrates new opportunities and methods that are open to you, no matter where you live. Country Gent. 123(5): 39,94-96. May 1953. 6 C833

67877 TOMPKIN, J. R., BROCK, G., and PETZOLDT, P. Riverton/Shoshone settlers; an economic study. Wyo. Agr. Expt. Sta. B. 323,46 p. Apr.1953. 100 W99

67878 TRAMEL, T. E., and PARVIN, D. W. An economic appraisal of beef cattle production in northeast and east central Mississippi. Miss. Agr. Expt. Sta. B. 497, 51 p. Feb.1953. 100 M69
Management and costs and returns.

67879 UGGLAS, C. AF. The right soil for the righ culture. (In Swedish.) Lantmannen 37:383-384. Apr.18, 1953. 11 L234
Farm management.

67880 URIBE, A. F. Los Servicios de Provisión Agrícola [Caja de Crédito Agrario, Industrial y Minero]. Almanaque Creditario 10:57-65. 1953. 9.4 AL6
Most of the article is on farming hints.

67881 WHITLOCK, R. The land first. XII. Cash crops for the farmer. Field 201:633-634. Apr.16,1953. 10 F45

67882 YANG, W. Y. Farm management investigations for agricultural improvement. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 20,36 p. Ref. Oct.1952. 281.9 F733

67883 YOHE, R. S. Swedish hired hands rent a co-op farm. Colo. Rancher & Farmer 7(8):8-9. Apr.25, 1953. 6 C714

67884 YOHE, R. S. Swiss subsidize grain producer; farming plays important role in economy of Switzerland. Prairie Farmer, Gen. Ed. 125(10):56-57. May 16,1953. 6 P883

Bookkeeping and Records

67885 BOLTON, L. W. Cost accountancy in agriculture. London,Gee,1952. 88 p. 30.6 B632

67886 BRJANSKIJ, A. Le nouveau modèle des comptesrendus mensuels des kolhozes concernant l'état de l'élevage. (In Hungarian.) Hungary. Központi Statis. Hivatal. Folyoirata Statis. Szemele 31:227-233. Mar.1953. 266.5 St2M

67887 GARBERG, E. Principles for establishing basic balance sheet for farm accounts. (In Norwegian.) Landbrukstidende 59:214-216. Mar.18,1953. 11 L236

67888 HOLMES, W. Profit calculation in poultry keeping; analysis of laying records and stock losses. Farmer's Wk. [Bloemfontein] 85:14-15. Apr.1,1953. 24 F225

67889 JOHN, H. Zur kostenträgerrechnung in den volkseigenen gütern. Deut. Landwirt. 4:179-182. Apr. 1953. 18 D4822
Russian zone.

67890 SHULTIS, A. Farm enterprise accounting. Calif. Agr. [Calif. Sta.] 7(3):2. Mar.1953. 100 C12Cag

67891 SHULTIS, A. Large scale commercial farming needs enterprise accounting. Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:51-53. Apr.1953. 281.8 Am32

Costs and Returns

67892 BECKMAN, H. J. How much does it cost to raise dairy heifers? West. Dairy J. 9(7):15-16. May 1, 1953. 44.8 W524

67893 BENEKE, R. R., WHITFIELD, W. R., and ALLEN, H. Your egg business—in or out? Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:178-181. Apr.1953. 275.28 Io94
Costs and returns.

67894 BRAUN, F. Der erzeuger muss 10,-DM für den zentner schüttelobst erhalten. Hess. Obstbau 8:21-23. Feb.1953. 80 G1932

67895 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1952 Sonoma County poultry egg production and management study, by A. Shultis and V. Stratton. Berkeley? 1953. 9 p. 275.29 C12En
Costs and returns.

67896 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry management study Monterey, San Benito, and Santa Cruz Counties 1952, by A. Shultis. Berkeley?1953? 10 p. 275.29 C12En
Costs and returns.

67897 CHEYNE, O. B. M. Revised estimate of expenditure on replanting (under-planting 1 acre of coconuts). Ceylon Coconut Q. 3:133-134. July/Sept.1952. 77.8 C33

67898 COLMENARES C., E. La baja producción de frutas cítricas en algunos huertos del país y medidas para remediarla. Peru. Dir. Gen. de Agr. B. 3/4:35-39. First/Second Q.1952. 9.8 P438
Method of calculating yields and costs.

67899 DARKE, J. Summing up. Tomato & Cucumber Mktg. Bd. J. 2(5):11-13. May 1953. 280.3919 T591
Tomato costs in Great Britain.

67900 DINSDALE, D. H., and WEEKS, W. G. R. Poultry management survey; financial & economic results from commercial egg flocks in the Northern Counties 1951/52. King's Col. Farm Econ. Br. Rpt. G. 43, 14 p. Mar.1953. 281.9 K61

67901 DUDMAN, R. A. Economic aspects of beet-harvesting. Agr. Econ. Soc. J. Proc. 10:198-202. Feb. 1953. 281.9 Ag8
Costs.

67902 ERICSON, F. L. Cost and return analysis of dairy herds. (In Swedish.) Ladugården 3:72-75. Mar. 1953. 44.8 L12

67903 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Receipts and expenses of farmers in some European countries. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 2(3): 1-5. Mar.1953. 251 F73Mb

67904 FORSYTH-KING, R. O. High production costs inflate food prices. Farmer's Wk. [Bloemfontein] 85:47. Apr.22,1953. 24 F225
Union of South Africa.

67905 JANSSEN, M. R. When should I sell my hogs? Natl. Live Stock Prod. 31(7):6. May 1953. 280.38 N21
Prices and costs.

67906 JENSEN, H. R., and HEADY, E. O. Dairying's place in the farm business. Iowa. State Col. Agr. Ext. Iowa Farm Sci. 7:203-205. May 1953. 275.28 Io94
Costs and returns.

67907 LANDESBAUERNKAMMER SCHLESWIG-HOLSTEIN. Wirtschafts-ergebnisse von 649 bäuerlichen betrieben, 162 gutsbetrieben, im wirtschaftsjahr 1951/52. Kiel,1952. 60 p. 265 L23

67908 MANDRIN, R. Une interview champêtre de l'agriculture à l'industrie. Papeterie 75:182-183,185. Mar.1953. 302.8 P1932
Comparative costs of producing milk in France, Denmark, and the Netherlands.

67909 MEHNER, A. Es geht um die wirtschaftlichkeit der milchviehhaltung. Württemb. Wchnbl. f. Landwirt. 120:422-424. Apr.18,1953. 18 W96

67910 MEIJERMAN, G. C., and NIEUWENHUYZEN, P. M. VAN. Uitkomsten van akkerbouwbedrijven op klei-en dalgrond en gemengde bedrijven op klei over 1946/47 tot en met 1950/51 [Results of farming on clay and valley land and mixed farms on clay from 1946/47 to and including 1950/51]. Landb.-Econ. Inst. Bedrijfsecon. Meded. 7,77 p. Mar.1953. 281.9 L23B
Costs and returns.

67911 OOSTERVELD, P. Is the culture of forage potatoes on the mixed sandy farm still profitable? (In Dutch.) Overijsselsch Landbbl. 35(1697):15. Mar.19, 1953. 12 Ov2
Costs and returns.

67912 PREUSSLER, E. A. Preliminary study on the cost of production of a liter of milk. (In Portuguese.) Rev. Agron.[Porto Alegre] 16:182-192. Sept.1952. 9.2 R325

67913 SAVAGE, Z. Are small groves as profitable as large ones? Citrus Mag. 15(9):16-17. May 1953. 80 C498
Florida.

67914 SEGERROS, S. A. Comparative culture of carrots, potatoes and red beets. (In Swedish.) Lantbrtidskr. f. Dalarna 2:70-72. Apr.1953. 11 L29
Cost and returns.

67915 SHONKWILER, O. From cow to customer: here's what dairymen can do. Farmer [St. Paul] Gen. Ed. 71(9):8,22-23. May 2,1953. 6 F2211
Costs and returns.

67916 WHERE we are today. Nation's Agr. 28(6):6-11. June 1953. 280.82 B89
Prices, income, and costs.

67917 WICHERS, A. J. Cost of forcing witloof. I-II. (In Dutch.) Groenten en Fruit 8:774,790. Apr.9-16,1953. 80 G89
Netherlands.

67918 WILSON, J. L. Costs of production: black currants and strawberries. Grower [London] 39:879. May 2,1953. 286.83 M34
Great Britain.

67919 WISWESSER. Futterbau, fütterung und leistung. Bad. Landwirt. Wchnbl. 120:412-413. May ?,1953. 18 B142
Costs of raising calves.

67920 WRAGG, S. R. The L.S.D. of expanding production. Farmers' Club. J. 4:201-216. 1953. 10 L84
Costs and returns in farming in Great Britain.
Includes discussion.

67921 ZAPPA, R. Let us take stock in the barn. (In Italian.) Terra e Sole 128:129-131. Apr.1953. 16 T273
Costs of milk production in Italy.

Land Settlement and Colonization

67922 AFRICAN LAND UTILISATION AND SETTLEMENT. Annual report for 1952. Nairobi,1953. 17 p., photographs. 282.29 K42

67923 BETANCOURT V., H. Conservación y colonización. Agr. Trop. 9(4):53-54. Apr.1953. 26 Ag8
Colombia.

67924 BLUM. Der deutsche bauernstand zur bodenreform und siedlung im Bundesgebiet. In Seraphim, H. J., ed. Gegenwartsprobleme der ländlichen siedlung, p.23-36. Köln-Braunsfeld,Müller,1953. 282.2 Se62

67925 CASSA PER IL MEZZOGIORNO. Piano generale di bonifica del comprensorio della Valle del Liri. v. 1. Relazione generale e direttive della transformazione fondiaria [General plan for reclamation of the district of the Liri Valley. v. 1. General report of land improvement], by N. M. Alemanni. Roma,1952? 332 p. 54 C27
Settlement program.

67926 DONDOLI, B.,C. Considerations on the ecology and pedology of the tableland of Cañas Gordas—zones of Agua Buena and Sabalito, Costa Rica. (In Italian.) Riv. di Agr. Subtrop. e Trop. 47:10-15. Jan./Mar.1953. 26 Ag82
English summary.
A study for settlement of Italian farmers.

67927 DUBOIS, J. Aperçu de la colonisation italienne en Libye. Rev. Colon. Belge 8:265-267. Apr.15,1953. 110 R324

67928 FRANKEN. Aufgaben und möglichkeiten der ländlichen siedlung in Nordrhein-Westfalen. In Seraphim, H. J, ed. Gegenwartsprobleme der ländlichen siedlung, p.9-21. Köln-Braunsfeld,Müller,1953. 282.2 Se62

67929 GADOLIN, A. VON. Soziale und wirtschaftliche gesichtspunkte des finnländischen flüchtingsproblems. In Seraphim, H. J., ed. Gegenwartsprobleme der ländlichen siedlung, p.49-61. Köln-Braunsfeld, Müller,1953. 282.2 Se62

67930 GIORGI, G. Neubauern in Italien. (Sum.) Agrarsoz. Gesell. Rundbrief 4(5):10-12. May 8,1953. 281.9 Ag862

67931 GROSSE, C. Wirtschaftliche erfahrungen mit einer neu-siedlerstelle im Emsland. Praxis u. Forsch. 5:89. Apr.20,1953. 18 P89

67932 HERZOG. Die landwirtschaftliche siedlung. Praxis u. Forsch. 5:83-86. Apr.20,1953. 18 P89
In Ems.

67933 JAMIL, M. Land settlement in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:298-307. Apr./June 1953. 22.5 Ir1
English summary, p. 5.

67934 KRAUSE, A. E. Mennonite settlement in the Paraguayan Chaco. Chicago,1952. 143 p. (Chicago. U. Dept. of Geography. Research Paper 25) 282.2 K86
Thesis - University of Chicago.

67935 LYNCH, L. D. Soldier settlement in Muswellbrook Area. Milk Bd. J. 4(3):29-30. Mar.1953. 44.8 M5934

67936 MALESANI, E. More on Italian emigration to Brazil. (In Italian.) Mercanzia 8(2/3):36-42. Feb./Mar. 1953. 287 B635
Agricultural settlement.

67937 MEIR, Y. M. New trends in settlement on the land. (In Hebrew.) Hassadeh 33:324-326. Feb./Mar. 1953. 26 H27

67938 OPERA NAZIONALE PER I COMBATTENTI. Relazione del presidente al Consiglio, nella seduta del 4 dicembre 1952 [Report of the president to the Council, in the December 4 session]. Roma,1953? 53 p. 54 Op2R
Settlement and reclamation.

67939 SCHMIDT, W. Die eingliederung der heimatvertriebenen in die landwirtschaft. Wirt. u. Statis. 5: 14-17. Jan.1953. 265 St22

67940 SERAPHIM, H. J. Uber einige grundprobleme deutscher ländlicher siedlung. In his Gegenwartsprobleme der ländlichen siedlung, p.37-47. Köln-Braunsfeld,Müller,1953. 282.2 Se62

67941 SWAZILAND. DEPT. OF NATIVE LAND SETTLEMENT. Annual report for the years 1951 and 1952. Mbabane,1953. 9 p. 282.29 Sw2

67942 ZITZEWITZ-MUTTRIN, F. K. VON. Vertriebenes landvolk, eingliederung als dienst an der heimat. Hamburg,Agricola-Verlag,1952. 68 p. (Der Göttinger Arbeitskreis) 282.2 Z6

Land Tenure

67943 ALBERTYN, J. R. Large-scale farms—their advantages and disadvantages. (In Afrikaans.) Landbouweekblad 34(1760):9,11. Apr.8,1953. 24 L232

67944 AL-HILALI, A. R. Towards agricultural reform. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira-'Atl'l-'Iraqiyah 8:383-392. Apr./June 1953. 22.5 Ir1
English summary, p. 9.
Iraq.

67945 L'ALLEMAGNE de l'Est sous le régime communiste. Economie 9(395,sup.),16 p. Apr.30,1953. 280.8 Ec726
Contains a chapter on land reform and collectivization.

67946 ANHOURY, J. La réforme agraire en Égypte. Acad. d'Agr. de France. Compt. Rend. 39:182-187. Feb.11/18,1953. 14 P215Bc

67947 AUGUST, O. "Umkreis von Halle" um 1840, 1820 und vorher; beitrag zu kleinräumigen altlandschaftsuntersuchungen im engeren Mitteldeutschland. Petermanns Geog. Mitt. 96:232-244. Fourth Q.1952. 474 M69
Includes land tenure and use.

67948 CRECINK, J. C., and BURDICK, R. T. Farm rental arrangements, Northeastern Colorado irrigated area. Colo. Agr. Expt. Sta. B. 424-A,53 p. Mar.1953. 275.29 C71E

67949 CURRENT land distribution plans in selected countries in the Near East. Food & Agr. Organ. United Nations. Mon. B. Agr. Econ. & Statis. 2(3):6-7. Mar. 1953. 251 F73Mb

67950 DENMAN, D. R. The poor man in his castle; a survey of the budget reveals that low rents remain a basic problem in agricultural finance. Field 201:768. May 7,1953. 10 F45
Great Britain.

67951 DE WAAL, P. E. Transfer of the family farm. Farming So. Africa 28:107-108. Mar.1953. 24 So842

67952 DIJK, L. J. VAN. Expropriation procedure and indemnification for expropriation. III. (In Dutch.) Landbode 7(19):5. May 7,1953. 12 L234

67953 EMHARDT, K. H. Die bodenreform in der Maremma. Inst. f. Raumforsch. Inform. 13/14:125-129. Apr.8,1953. 280.9 B6431

67954 FARINA, A. Light and shadows of the agrarian reform. (In Italian.) Macch. & Motori Agr. 11:347-352. Apr.1953. 58.8 M13

67955 GRAND, R. Sur la propriété foncière et l'état de l'agriculture en Afrique du Nord au temps de la domination des vandales. Acad. d'Agr. de France. Compt. Rend. 39:261-265. Feb.25/Mar.4,1953. 14 P215Bc

67956 HEISS, A. Natural- und naturalwertpacht. Württemb. Wchnbl. f. Landwirt. 120:391-392. Apr.11, 1953. 18 W96

67957 HOARD'S DAIRYMAN. Leases for dairy farms. Fort Atkinson,Wis.,1952. 26 p. 282.12 H65

67958 HORRING, J. L'avis du Conseil Economique et Social sur le niveau des prix de fermage et d'achat de terre. (In Dutch.) Econ.-Statis. Ber. 38:265. Apr.8,1953. 280.8 Ec722
French summary.
Netherlands.

67959 HORSTMANN. Landwirtschaftliche betriebsgrössen und betriebsstruktur im Emsland. Praxis u. Forsch. 5:86-89. Apr.20,1953. 18 P89

67960 ITO, I. Characters of the farm-land movement after the rural-land reform. (In Japanese.) Saga U. Agr. B. 1:97-122. Oct.1952. 107.6 Sa13
English summary.

67961 JONES, SIR T. G. Facts about Indian agriculture. Rur. Econ. 21(4):11-12. May 1953. 281.28 R8842
Includes land tenure, reforestation, and irrigation.

67962 KAHLKE. Noch einmal: die pachtrechtsstreitigkeiten in dem entwurf der Bundes-LVO. Recht der Landwirt. 5:92-94. Apr.1953. 30.58 R24

67963 KHAYYAT, J. Two fundamental steps leading to agricultural reforms. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:377-382. Apr./June 1953. 22.5 Ir1
English summary, p. 9.
Iraq.

67964 KRAUSZ, N. G. P. Transfer of farm property inheritance and related tax problems. Ill. Farm Econ. 212/213:1447-1450. Feb./Mar.1953. 275.28 IL5

67965 KRUMM. Agrarreform jetzt auch in Südbaden? Bauern-Ztg. 6(17):1-2. May 1,1953. 18 B324

67966 LIAO, L. Y. A great victory in land reform during the past three years. In China Committee for the Promotion of International Trade. New China's economic achievements, p.165-174. Peking,1952. 280.184 C445

67967 MEDELANA, D. R. DI. Towards the distribution of bourgeois property. (In Italian.) Rass. dell'Agr. Ital. 8(3):26-27. Mar.1953. 281.8 R18
Land reform.

67968 MONTEMURRO, M. Indemnification for expropriations. (In Italian.) Rass. dell'Agr. Ital. 8(1):23-26. Jan.1953. 281.8 R18

67969 MONTEMURRO, M. More on livestock farms and on the residual third. (In Italian.) Rass. dell'Agr. Ital. 8(2):18-19. Feb.1953. 281.8 R18
Expropriation under the land reform.

67970 PASSMANN, B. Feststellung der einheitswerte in den fällen der bodenreform-landabgabe. Allg. Forstz. 8:217-220. Apr.22,1953. 99.8 AL52

67971 PIKALO. Hofvererbung und hofübergabe an ein ehepaar im höferecht der Brit. Zone. Recht der Landwirt. 5:94-95. Apr.1953. 30.58 R24

67972 POVEDA MURCIA, J. Sobre concentración parcelaria. Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 59:14-15. Apr.1953. 15 Sa7

67973 ROHM, H. Hofübergabe und mitbestimmung der jugend. Übersicht 4:299-304. Apr.1953. 18 Ub3
Germany.

67974 SAINT-CHAMAS, J. DE. A propos du droit de reprise par les sociétés. Rev. de Lég. Agr. 6:42-43. Mar.1953. 281.8 R325
France.

67975 SKRUBBELTRANG, F. S. Den danske husmand [The Danish tenant farmer], v. 1. København,Samvirkende Danske Husmandsforening,1952. 322 p. 282.173 Sk6

67976 SOPHIAN, T. J. Possession of controlled premises. Estate Mag. 53:181-182. May 1953. 10 Es8
Great Britain.

67977 TIMMONS, J. F., and O'BYRNE, J. C. Transferring farm property within families in Iowa. Iowa. Agr. Expt. Sta. Res. B. 394:143-220. Ref. Feb.1953. 100 Io9
Chiefly by inheritance.

67978 TORIELLI, J. M., and JUANICO, M. A. La tenencia de la tierra en la obra social económica de extensión agricola. Banco Hipotecario del Uruguay. B. (ser.2)55:14-18,23. Dec.1952. 284.9 B2267

67979 UNION OF SOUTH AFRICA. BUR. OF CENSUS AND STATISTICS. Agricultural census—No. 25. Census year 1950-51. Special report series, No. 5. Area of farms occupied by whites. Pretoria,1953. 30 p. 270 So87L

67980 VAEREN, V. La loi du 26 juillet 1952 limitant le prix des fermages en Belgique. Acad. d'Agr. de France. Compt. Rend. 39:163-166. Feb.11/18,1953. 14 P215Bc

67981 VIVIEN, P. Conséquences du remembrement. Elites (n.s.)45:29-32. Feb.1953. 14 EL4
France.

67982 WALMSLEY, R. C. Agricultural arbitrations; a handbook of procedure and practice under the Agricultural arbitration code. London,Estates Gaz.,1952. 127 p. 282.171 W16Ag
Landlord and tenant.

67983 YOHE, R. S. Can you prove farm ownership? When you buy a piece of property be sure you get a good title to go with it. Prairie Farmer, Gen. Ed. 125(10):6, 66. May 16,1953. 6 P883

67984 ZAUNER, G. Die flurbereinigung im lande Salzburg. Salzburger Bauer 8(19):1-2. (Cont.) May.7, 1953. 19 Sa3

Land Utilization

67985 BURGER, D., and BUSKENS, H. M. Improper town land use. (In Dutch.) Netherlands. Dir. van de Landb. Landb. 16:55-65. 1952. 12 N384

67986 GAEDE, H. J. Organisation und gegenwartsprobleme der landesplanung in England. Inst. f. Raumforsch. Mitt. 17,58 p. Ref. Mar.1953. 280.9 B643

67987 KADLEIGH, S. The High Paddington Scheme. Roy. Soc. Arts. J. 101:331-349. Apr.3,1953. 501 L847J
Town and country planning.
Includes discussion.

67988 LEWIS, A. B., ed. Report of the FAO regional meeting on land utilization in the tropical areas of Asia and the Far East and the Islands of the Pacific, Nuwara Eliya, Ceylon, 17-29 September 1951. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 17,10 p. Jan.1952. 281.9 F733

67989 MASPETIOL, R. Une enquête sur la mise en valeur des terres marginales en Angleterre et dans le Pays de Galles. Acad. d'Agr. de France. Compt. Rend. 39:270-273. Feb.25/Mar.4,1953. 14 P215Bc

67990 MIRÓ ESPLUGAS, M. El catastro parcelario. Inst. Agr. Catalan de San Isidro. Rev. 102:35-37. Feb. 1953. 15 Sa5

67991 NATH, V. A method to indicate the percentage of land which should be under forest: some comments. Indian Forester 79:192-194. Mar.1953. 99.8 In2

67992 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. Naar goed grondgebruik [Toward good land utilization]. 's-Gravenhage,1952. 71 p. 12 N384
English summary.

67993 PATTESON, G. W., FULTON, Z. M. K., and HARRIS, A. J. Economic land classification Prince George County. Va. Agr. Expt. Sta. B. 460,20 p. Mar. 1953. 100 V81S

67994 RHYS, J. P. Town and country planning. Real Estate J. (n.s.)3:304-307. (Cont.) May 1953. 282.8 R22
Great Britain.

67995 TANTZEN, J. Ist der umbruch von weiden in der grünlandmarsch ratsam? Landwirtbl. Weser-Ems 100:415-416. Apr.9,1953. 18 L2345

67996 THOMAS, H. O. Initial injurious affection problems due to town planning schemes in N.S.W. Valuer 12:263-271. Apr.1,1953. 282.8 V24

67997 THOMPSON, W. N. Dollars and cents in land use. Ill. Farm Econ. 212/213:1442-1445. Feb./Mar. 1953. 275.28 IL5

67998 WERNER, H. Der "amenity"—faktor in der englischen landesplanung. Inst. f. Raumforsch. Inform. 15:147-160. Apr.16,1953. 280.9 B6431

Land Values and Valuation

67999 BAUGHMAN, E. T. Shall I buy or sell a farm? (Sum.) Amer. Soc. Farm Mgr. and Rural Appraisers J. 17:72-77. Apr.1953. 281.8 Am32

68000 BEHRLE. Achtet auf die bodenschätzung und einheitswert-neufestlegung! Bauern-Ztg. 6(16):4. Apr. 24,1953. 18 B324
Germany.

68001 BLANC, H. La valeur des immeubles ruraux dans le canton de Vaud. Agenda de l'Agr. et du Vigneron 1953:327-329. 30.3 Ag33

68002 MONTAGNE, R. La liberté du choix du mode de vente d'une terre louée par le bailleur. Prog. Agr. et Vitic., Apr.19/26,1953:236-237. 14 P94

68003 MORRISON, E. R. Development of American Society approach to range appraisals; appraisal problems of ranches vs. farms. Amer. Soc. Farm Mgr. & Rur. Appraisers. J. 17:63-65. Apr.1953. 281.8 Am32

68004 ROTHKEGEL, W. Landwirtschaftliche schätzungslehre. Ed. 2, rev. Stuttgart,Ulmer,1952. 191 p. 281.175 R74

68005 RUSSELL, B. Before you buy that farm be sure that improvements are not more elaborate than the land can support. Cappers' Farmer 64(5):30,96-97. May 1953. 6 M693

68006 SCHIETHART, L. J. Rental value of parcels on N.S.W. estates. (In Dutch.) Nederland. Heidemaatsch. Tijdschr. 64:107-108. Apr.1953. 12 N282

68007 SORENSON, L. O., and DOWELL, A. A. Prices of Minnesota farms reached new high in '52. Minn. Farm & Home Sci. [Minn. Sta.] 10(3):12,15. May 1953. 100 M668

POPULATION

68008 BURNIGHT, R. G., and WHETTEN, N. L. Studies in the population of Connecticut. 1. Population growth, 1900-1950. Conn. (Storrs) Agr. Expt. Sta. B. 288, 48 p. July 1952. 100 C76S

68009 CNOSSEN, I. Friesland and emigration. (In Dutch.) Ons Friese Platteland 7(313):27. Mar.27,1953. 12 On72

68010 HASSINGER, E. W. How many people leave farming or move to new farms? Minn. Farm & Home Sci. [Minn. Sta.] 10(3):16. May 1953. 100 M668

68011 LIPPMANN, K. Eine gefährliche theorie! Deut. Landwirt.-Gesell. Mitt. 18:431-432. Apr.30,1953. 18 N39
Rural population.

68012 MASHAYEKHI, M. B., MEAD, P. A., and HAYES, G. S. Some demographic aspects of a rural area in Iran. Milbank Mem. Fund. Q. 31:149-165. Apr.1953. 449.9 M582

68013 NETHERLANDS. COMMISSIE VOOR LANDBOUWVERBETERING IN HET ZUIDELIJK WESTERKWARTIER. Emigration possibilities. II. (In Dutch.) Landbouwberichten 8:76. Apr.30,1953. 12 L236

68014 PELLEGRINI, G. Population and labor in the South. (In Italian.) Cassa per il Mezzogiorno. Not. 2(2): 10-12. Feb.1953. 280.8 N82

68015 RAAB, J. Die land- und forstwirtschaftlichen betriebe, deren inhaber heimatvertriebene sind. Bayern in Zahlen 7:89-91. Mar.1953. 265 B34

68016 SCHILL, L. "Grüne front" kämpfte für die nachgeborenen bauernsöhne! Bauern-Ztg. 6(15):1-2. Apr.17,1953. 18 B324
Displaced persons in Germany.

68017 SWOBODA, W. Die heimatvertriebenen in der land- und forstwirtschaft im herbst 1950. Bayern in Zahlen 7:88-89. Mar.1953. 265 B34

68018 UHLIRS, J. Landflucht. Landarb.-Arch. 8:109-118. Apr.1953. 283.8 L23
Austria.

RURAL SOCIAL ORGANIZATION

68019 ALLIO FONT, D. Problemas sociales de la campaña, escuelas rurales y rancherios. Diario Rur. 12(1151):8-9. Apr.18,1953. 9.9 D54
Uruguay.

68020 COMMENDA, H. Volksbildung. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:62-70. 1952. 281.9 F732A

68021 DAVISON, A. Home was an island. London, Davies,1952. 248 p. 281.2 D292
In Loch Lomond.

68022 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. AUSTRIAN NATIONAL COMMITTEE. Das ländliche wohlfahrtswesen in Osterreich; referate gehalten auf der arbeitstagung im Bäuerlichen Volksbildungsheim Graschnitz, Steiermark, in der Zeit vom 27. bis 29. September 1951. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1, 83 p. Ref. 1952. 281.9 F732A

68023 FRAUENDORFER, S. Die landsoziologie als wissenschaft und forschungszweig. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:71-78. 1952. 281.9 F732A

68024 GEIPEL, R. Soziale struktur und einheitsbewusstsein als grundlagen geographischer gliederung. Rhein-Mainische Forsch. 38,80 p. Ref. 1952. 278.8 R34
Contains land tenure and population data in agriculture.

68025 GLEASON, E. Keep them down on the farm. Feedstuffs 25(21):36,38. May 23,1953. 286.81 F322
Improvement of rural life.

68026 NUEL P. Die entwicklung des ländlichen wohlfahrtswesens in Österreich. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:7-16. 1952. 281.9 F732A

68027 RIEDER, J. Gesunde soziale verhältnisse auf dem lande. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:45-61. 1952. 281.9 F732A

68028 SACAY, F. M., and ALVIAR, F. E. A survey of farm, home, and community conditions of rice farmers in the barrios of Cabuyao, Laguna, as basis for formulating a program of rural improvement. Philippine Agr. 35:368-374. Dec.1951,pub.Dec.1952. 25 P542

68029 SMITH, MRS. H. My stake in rural America. Amer. Country Life Assoc. Proc. 31:6-17. 1952. 281.2 N213

68030 STUR, M. Ländliche seelsorgefragen. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:25-27. 1952. 281.9 F732A

68031 WITTMANN, H. Die gegenwärtige situation auf dem lande. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:17-24. 1952. 281.9 F732A
Social conditions in Austria.

68032 WOLFBAUER, P. Fürsorgewesen auf dem lande. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:30-34. 1952. 281.9 F732A
Austria.

Human Ecology

68033 ARKANSAS-WHITE-RED BASINS INTER-AGENCY COMMITTEE. Objectives of task group on Pond Creek joint study. n.p.,1952. 2 p. 290.9 Ar42O

68034 BLISS, R. K. This the community can do. Amer. Country Life Assoc. Proc. 31:131-135. 1952. 281.2 N213

68035 EVERS, W. Das "hof- und dorf"-problem auf grund neuer untersuchungen im mittleren Ostfalen (um Hildesheim). Petermanns Geog. Mitt. 96:254-260. Fourth Q.1952. 474 M69

68036 KRAGH. Landschaftspflege und -gestaltung in der bäuerlichen wirtschaft. Bebauet die Erde, p.41-43,46. In Bionomica 4(3). Mar.1953. 463.8 B52

68037 LILL, G. G. Notes on the villages of the Western and Central Provinces of Liberia, West Africa. J. Geog. 52:177-187. May 1953. 278.8 J82

68038 PAYNE, R., and FANELLI, A. A. Community organizations in Mississippi. Miss. Agr. Expt. Sta. C. 183,11 p. Apr.1953. 100 M69

68039 PAYNE, R., and FANELLI, A. A. Survey of community organizations in Mississippi. Miss. Farm Res. [Miss. Sta.] 16(5):3,7-8. May 1953. 100 M69Mi

68040 SHAUB, E. L. Community clubs. Tenn. Conserv. 19(5):12-14. May 1953. 410 T252
Rural communities in Tennessee.

Institutions

68041 ABINGTON, F. S. Child care. La. Agr. Col. Ext. P. 1117,20 p. Apr.1952. 275.29 L93Ep

68042 AL-FARISI, E. The agricultural chambers and their objectives. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:530-537. Apr./June 1953. 22.5 Ir1
English summary, p. 18.
Iraq.

68043 AMERICAN COUNTRY LIFE ASSOCIATION. The farm family, its contributions and its problems; proceedings of the thirty-first conference, Madison, Wisconsin, September 15-18, 1952. Des Moines,1952. 147 p. 281.2 N213

68044 AMERICAN PUBLIC HEALTH ASSOCIATION. Year book 1952-1953. Amer. J. Pub. Health 43(5,pt.2), 136 p. May 1953. 449.9 Am3J
Contains committee reports on rural sewage disposal, milk shipments, and nutrition.

68045 ANCHETA, M. The Baybay National Agricultural School Teacher—Education Dept. Agr. & Indus. Life 15(3):6-7,51. Mar.1953. 25 Ag8
In the Philippines.

68046 ANDERSON, J. E. Understanding the teen age. Minn. U. Agr. Ext. Pam. 188,4 p. Feb.1953. 275.29 M66P

68047 ARBOUR, M. B. Easy way to write the meeting story. La. Agr. Col. Ext. P. 1137,9 p. Jan.1953. 275.29 L93Ep
Formerly Extension Circular 256.

68048 ARFWEDSON, E. Scanian instruction in agriculture; Osby farm school in Kristianstad Province. (In Swedish.) Lantmannen 37:382-383. Apr.18,1953. 11 L234

68049 ARIF, M. Agricultural education in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-Iraqiyah 8:254-262. Apr./June 1953. 22.5 Ir1
English summary, p. 3.

68050 ARNSHOF, A. Vocational youth work in the Netherlands. (In Danish.) Dansk Landbr. 72:198. Apr. 16,1953. 280.28 V91

68051 ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES. COMMITTEE ON EXTENSION ORGANIZATION AND POLICY. SUBCOMMITTEE ON PUBLIC RELATIONS. Report. n.p.,1952. 34 p. 275.2 As72

68052 BAREISS, G. Kritische betrachtungen zum landwirtschaftlichen ausbildungswesen. Württemb. Wchnbl. f. Landwirt. 120:439-440. Apr.25,1953. 18 W96

68053 BIGELOW, D. L. Florida office goes modern. Ext. Serv. Rev. 24:76-77. Apr.1953. 1 Ex892Ex
Extension Service quarters in Tampa.

68054 BLOMEYER, A. Der bauer und die politik. Landwirt. Wchnbl. 110A:655. Apr.16,1953. 18 L2338

68055 CAN FARMERS improve State government? Farm Mangt. 2(6):38-41. May 1953. 281.8 F2225

68056 CARROLL, C. R. The public relations viewpoint. Educ. Air 22:318-321. 1952. 275.9 In72
Agricultural broadcasting.

68057 CARVALHO, J. M. DE. Establishment of a rural professorship. (In Portuguese.) Orientação Econ. e Financ. 10(112):41-42,57. Jan.1953. 280.8 Or42
Brazil.

68058 CECH, R. J. Television research at WOI-TV. Educ. Air 22:308-312. 1952. 275.9 In72
Agricultural programs.
Includes discussion.

68059 CESCA, G. Birth of a great Professional Agricultural Institute. (In Italian.) Colt. e Gior. Vinic. Ital. 99:90-91. Mar.1953. 16 C72

68060 CHAPMAN, J. The commercial RFD's experience. Educ. Air 22:316-318. 1952. 275.9 In72
Agricultural broadcasting.

68061 CHERRY, G. Films for farmers. Inst. Corn & Agr. Merchants. J. 4:15-19,23-25. Spring 1953. 10 In7
Great Britain.

68062 CLARK, A. W. Rural life Sunday sermonette. Town & Country Church 89:1-2. May 1953. 281.28 T66

68063 CRAIG, M. Where there's a will. Wis. Agr. & Farmer 80(9):7. May 2,1953. 6 W751

68064 DALMASSO, G. An important remedy against deserting the country—health insurance for the owner-operator. (In Italian.) Colt. e Gior. Vinic. Ital. 99:100-101. Mar.1953. 16 C72

68065 DAWSON, H. A. Does modern youth feel a responsibility to church, home, school, and community. Amer. Country Life Assoc. Proc. 31:68-71. 1952. 281.2 N213

68066 DIAS, A. G. Regional agricultural schools. (In Portuguese.) Rev. Agron. [Porto Alegre] 16:249-250. Sept.1952. 9.2 R325

68067 DICKEY, E. F. Turning research into dollars. Grain & Feed J. Consolidated 110(8):15-18. Apr.22,1953. 298.8 G762
Getting research information to the farmers.

68068 EMPEY, G. F. Film catalog. Nev. Agr. Col. Ext. B. 108,36 p. Oct.1952. 275.29 N41

68069 EVANS, G. R. Evaluation of the Young Farmer program. Agr. Educ. Mag. 25:256. May 1953. 275.8 Ag8

68070 FLORES, N. C. BNAS—the future Mindanao Agricultural College—landmark of vocational agricultural education in Mindanao. Agr. & Indus. Life 15(3):19,35,39. Mar.1953. 25 Ag8

68071 FOHN-HANSEN, L. Homemade fun for Christmas. Alaska. U. Agr. Ext. B. D-1,26 p. Nov.1952. 275.29 AL13B

68072 FOX, R. Follow these 10 simple rules for greater publicity returns. Co. Agent. & Vo-Ag Teacher 9(5):46-47. May 1953. 275.28 N213

68073 FRANKS, M. R. Labor looks at the farm family. Amer. Country Life Assoc. Proc. 31:43-50. 1952. 281.2 N213

68074 FRAUDEAU, G. Les petites communes rurales. Fiches Rur. 91:1-4. May 1953. 281.8 F44
France.

68075 GABRIEL, E. W. New teaching service for vo-ag teachers. Agr. Leaders' Digest 34(4):8-9. Apr.1953. 275.28 Am3

68076 GAYL, FREIIN VON. Unsere rätselecke. Ausbild. u. Beratung in der Landwirt. 6:67-68. Apr.1953. 18 N11
Germany.

68077 GERKEN, J. Ein rückblick: 60 jahre pädagogische ausbildung der landwirtschaftslehrer (landwirtschaftsräte). I. Ausbild. u. Beratung in der Landwirt. 6:65-66. Apr.1953. 18 N11
Germany.

68078 GILBERTSON, M. A church-centered community. Town & Country Church 89:15-16. May 1953. 281.28 T66

68079 GMEINER, K. Ländliche gesundheitsfragen. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:35-39. 1952. 281.9 F732A
Austria.

68080 GODINOT, M. Les aides familiales rurales dans l'équipement social de la nation. Fiches Rur. 91: 17-20. May 1953. 281.8 F44
France.

68081 GRIESER, R. The church's R.F.D. Town & Country Church 89:4. May 1953. 281.28 T66

68082 GRIGGS, G. B. New England home demonstration agents study agent recruitment problems. Ext. Serv. Rev. 24:67. Apr.1953. 1 Ex892Ex

68083 GROSS, H. Unsere landwirtschaftliche selbstverwaltung. Hannoversche Land- u. Forstwirt. Ztg. 106: 413-414. Apr.4,1953. 18 H194
Chambers of agriculture.

68084 GUILER, G. S. "Ear-marked" time for adult education. Agr. Educ. Mag. 25:245,249. May 1953. 275.8 Ag8

68085 HALL, F. A county agent speaks. Educ. Air 22: 313-314. 1952. 275.9 In72
Radio in agricultural broadcasting.

68086 HEATHMAN, J. E. The college broadcaster. Educ. Air 22:315-316. 1952. 275.9 In72
Agricultural broadcasting.

68087 HOCH, I. Der landwirtschaftsbrief. Allgäuer Bauernbl. 21:237-238. Apr.9,1953. 18 AL53

68088 HOGAN, M. New strength, new hope, new challenge in home demonstration work. Agr. Leaders' Digest 34(4):30. Apr.1953. 275.28 Am3

68089 INDICATEUR Lahure: foires—fêtes—marchés, 1953, 60e année. Paris,1952. 863 p. 230 In2

68090 INSTITUTE FOR EDUCATION BY RADIO AND TELEVISION. Education on the air; twenty-second yearbook; ed. by O. J. Olson. Columbus,Ohio State U.,1952. 396 p. 275.9 In72

68091 JENSEN, P. T. Farm youth work in U.S.A. (In Danish.) Jydsk Landbr. 35:309-311. (Cont.) May 7,1953. 11 J99

68092 JORDAN GUERRA, H. Se refiere al Instituto Agrícola Pascual Baburizza. Agrario 18:4-6. 1953. 9.3 Ag85

68093 KALVERKAMP, U. D. What is there to see at the agricultural industries fair? (In Dutch.) Boerderij 37(30):3,5. Apr.22,1953. 12 B63
Utrecht fair.

68094 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Available Kansas Extension Service publications. Manhattan,1953. 8 p.-folder. 275.29 K13Li

68095 KEE, S. J. This the rural library can do. Amer. Country Life Assoc. Proc. 31:125-131. 1952. 281.2 N213

68096 KENNEDY, H. Evaluating group production projects. Agr. Educ. Mag. 25:248-249. May 1953. 275.8 Ag8

68097 KERN, K. R. TV becomes effective tool for extension workers. Agr. Leaders' Digest 34(4):14-16. Apr.1953. 275.28 Am3

68098 KIENAST, M. S. Needed,the woman's touch. Ext. Serv. Rev. 24:69,86-87. Apr.1953. 1 Ex892Ex
Conservation as home demonstration work.

68099 KNITTEL, O. Einige hinweise für die systematische kaderentwicklung in der VdgB (BHG). Demokratische Dorf 2(11):16-17. Nov.1952. 281.8 D39
Education in the Russian zone of Germany.

68100 KONINKLIJKE NEDERLANDSCHE JAARBEURS. Officiële catalogus, Internationale Beurs voor Landbouw, Zuivel, Visserij en -Techniek [Official catalog, International Exchange for Agriculture, Dairy, Fisheries, and Technique]. Utrecht,1952. 155 p. 310 K830

68101 KORNSILKE, J. I'd rather farm than study vocational agriculture. Agr. Educ. Mag. 25:262. May 1953. 275.8 Ag8

68102 KOTTHAUS, W. A. Bauer und wirtschaftsberatung. Landwirt. Z. der Nord-Rheinprov. 120:562. May 9,1953. 18 L2344

68103 KRECHNIAK, H. Handicrafts. Tenn. Conserv. 19(5):10-11. May 1953. 410 T252
Tennessee.

68104 LAFLEY, C. A. Advisory committees needed in evaluating programs. Agr. Educ. Mag. 25:247. May 1953. 275.8 Ag8

68105 LAGRIT, F. Defense du paysan français. Monit. du Prog. Agr. et Vitic. 8(258,sup.),34 p. Apr.19, 1953. 14 M744

68106 LANG, L. Ländliches schulwesen. Food & Agr. Organ. United Nations. Austrian Natl. Comt. Mitt. Sonderh. 1:28-29. 1952. 281.9 F732A
Austria.

68107 LARSON, N. M. Make it easy for the child to help himself. Mass. U. Agr. Ext. 4-H L. 52,12 p. May 1952. 275.29 M381J

68108 LIGUTTI, L. The farm family's future. Amer. Country Life Assoc. Proc. 31:78-83. 1952. 281.2 N213

68109 LUCAS, W. Fortbildung im beruf. Diplomlandwirt. 3:37-38. Apr.1953. 18 D62
Germany.

68110 LUITEN, I., and WEIGLE, S. Friendship starts at your farm. Successful Farming 51(5):36-37,146-147. May 1953. 6 Su12
Agriculture's public relations.

68111 MCINTYRE, R. E., and TELFORD, M. M. The advisory services of industrial firms. Agr. Inst. Rev. 8(2):79-80. Mar./Apr.1953. 7 Ag8
Canada.

68112 MARTIN, G. Warum landwirtschaftliche selbstverwaltung? Agrarwirtschaft 2:120-123. Apr.1953. 281.8 Ag826
Chambers of agriculture in Germany.

68113 MERCER, W. B. Advisory service to help farmers. Countryman [Nicosia] 7(3):10-12. Mar.1953. 25 C83
Great Britain.

68114 MERCIER, H. Un aspect de la formation des jeunes ruraux. France. Min. de l'Agr. B. Tech. d'Inform. 77:179-181. Mar.1953. 14 F844B

68115 METTELEM, O. Rundfunk und wirtschaftsberatung—in Amerika und bei uns. Ausbild. u. Beratung in der Landwirt. 6:69-70. Apr.1953. 18 N11
United States and Germany.

68116 MOOMAW, I. W. Rural missions in the Far East. Town & Country Church 89:12-13. May 1953. 281.28 T66

68117 MOORE, B. M. Creating conditions for good human relations. Ext. Serv. Rev. 24:68,85. Apr.1953. 1 Ex892Ex

68118 MOSTL, R. Jugendwerkkurse. Bauer 6(15):8-9. Apr.11,1953. 19 B32
Austria.

68119 MOULE, G. R. Agricultural extension services in the United States. Past. Rev. 63:226-227. Mar.16,1953. 23 Au75

68120 MULLENBACH. Landwirtschaft und mutterschutzgesetz. Landwirt. Z. der Nord-Rheinprov. 120: 473. Apr.18,1953. 18 L2344

68121 MULLER, J. Die bedeutung der dänischen volkshochschulen. Württemb. Wchnbl. f. Landwirt. 120: 462-463. May 2,1953. 18 W96

68122 NEILSON, C. L. Government-sponsored advisory services. Agr. Inst. Rev. 8(2):77-78. Mar./Apr. 1953. 7 Ag8
Canada.

68123 NEW HAMPSHIRE. UNIVERSITY. COLLEGE OF AGRICULTURE AND THE MECHANIC ARTS. EXTENSION SERV. Our 40th year of helping New Hampshire grow. N. H. Agr. Col. Ext. B. 106,32 p. n.d. 275.29 N45

68124 NEWSOM, H. D. Is the farm family really important? Amer. Country Life Assoc. Proc. 31:17-26. 1952. 281.2 N213

68125 NUNN, A. Crops the church should plant. Town & Country Church 89:5-7. May 1953. 281.28 T66

68126 NYE, I. The relationship of certain factors to county agent success. Mo. Agr. Expt. Sta. Res. B. 498, 43 p. June 1952. 100 M693

68127 O'CAIN, J. The rural church. Agrarian 12(2): 10. Spring 1953. 276.8 Ag8

68128 OLSON, M. E. Agricultural extension. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-Iraqiyah 8:367-370. Apr./June 1953. 22.5 Ir1
English summary, p. 8.
Iraq.

68129 OSTERT. Gedanken zur praktischen unterrichtsgestaltung in den landwirtschaftlichen berufsschulen. Ausbild. u. Beratung in der Landwirt. 6:66-67. Apr.1953. 18 N11
Germany.

68130 PARADA HENRIQUEZ, W. Importancia de la extensión agrícola en la realización de los planes estatales de desarrollo agropecuario. Agrario 18:12-14. 1953. 9.3 Ag85

68131 PARSONS, B. Monuments and billboards; the Grange and Post Office Department continue to fight for rural mail box improvement. Natl. Grange Mon. 50(5):24, 33. May 1953. 6 N215

68132 PECK, F. W. Tying up the bundle. Amer. Country Life Assoc. Proc. 31:135-140. 1952. 281.2 N213
Survey of the congress on the farm family.

68133 PENNSYLVANIA.STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Pennsylvania 4-H presents "Be alert." Pa. State Col. Agr. Ext. L. 156,3 p. Mar. 1953. 275.29 P38L

68134 PFEIFFER, M. L. The woman broadcaster. Educ. Air 22:314-315. 1952. 275.9 In72
Agricultural programs.

68135 PIELSTICK, D. F. The fields of the spirit. Town & Country Church 89:8. May 1953. 281.28 T66

68136 PLANTENBERG, P. International agricultural fair at Hamburg. (In Dutch.) Boer en Tuinder 7(325):3. May 9,1953. 12 B632

68137 POOLE, R. F. Land-grant colleges and cooperative agricultural programs with private industry. Cotton Insect Control Conf. Proc. 6:5-8. 1952. 423.9 C82

68138 RAPER, A. F. Benchmarks against which to measure socio-economic changes in rural Taiwan. Chin.-Amer. Econ. Coop. 2(3):73-78. Mar.1953. 173.2 M98C

68139 RAWYLER, F. La formation professionnelle agricole. Agenda de l'Agr. et du Vigneron 1953:332-334. 30.3 Ag33
Switzerland.

68140 RAWYLER, F. Quelques renseignements utiles sur le droit successoral paysan du Code Civil Suisse. Agenda de l'Agr. et du Vigneron 1953:330-331. 30.3 Ag33

68141 RENAUDIN, C., and VEISSEYRE, R. A propos de la formation des ingénieurs des industries agricoles et alimentaires. Indus. Agr. et Aliment. 70:181-186. Mar. 1953. 383 As7
English summary.

68142 RHEINWALD. Trotz der vielen arbeit doch nach Köln? Übersicht 4:345-347. Apr.1953. 18 Ub3
The fair of the Deutsche Landwirtschafts-Gesellschaft.

68143 RHODE ISLAND STATE COLLEGE. EXTENSION SERV. Extension means service, the annual report of the Rhode Island Cooperative Extension Service University of Rhode Island. R. I. State Col. Ext. B. 146,16 p. May 1952. 275.29 R34

68144 RIDGWAY, H. A. County and regional libraries in the United States. Libr. Trends 1:491-502. Ref. Apr.1953. 243.8 L619

68145 RITCHIE, A. E. Evaluation improves the in-service program for beginning teachers. I. Agr. Educ. Mag. 25:255,260. May 1953. 275.8 Ag8

68146 RODRIGUEZ GARCIA, J. La escuela rural. Almanaque Creditario 10:115-118. 1953. 9.4 AL6
Colombia.

68147 ROYERIES, A. DE. L'artisanat rural et l'équipement de l'agriculture. Acad. d'Agr. de France. Compt. Rend. 39:267-270. Feb.25/Mar.4,1953. 14 P215Bc

68148 RUNK, S. E. Permanent annual records for vo-ag departments. Agr. Educ. Mag. 25:250. May 1953. 275.8 Ag8

68149 SACHS, R. Diplomlandwirte und die psychologie. Diplomlandwirt. 3:38-39. Apr.1953. 18 D62
Germany.

68150 SANDERS, J. T. Diamonds in the rough; few things would pay greater dividends than better library service for rural America. Natl. Grange Mon. 50(5):22-23. May 1953. 6 N215

68151 SAUER, E. Zum gesetzentwurf über die landwirtschaftliche selbstverwaltung. Recht der Landwirt. 5:89-92. Apr.1953. 30.58 R24
Chambers of agriculture in Germany.

68152 SEWELL, MRS. C. W. This the farm family can do. Amer. Country Life Assoc. Proc. 31:119-124. 1952. 281.2 N213

68153 SHORTRIDGE, N. H. TV may help with farm work—television is more than entertainment. Hoosier Farmer 38(5):14-15,30. May 1953. 280.82 H76

68154 SIMON Y REGALADO, E. Que es el proyecto 39 de la Organización de Estados Americano (O. E. A.), y lo que representa para Cuba y demás países de América. Rev. de Agr. [Habana] (ser.8)36:118-126. July 1952/Mar. 1953. 8 Ag88Re
On technical education for the improvement of agriculture and rural life.

68155 SKODOWSKI, B. Die sowjetische agrarwissenschaft muss an unseren hochschulen gelehrt werden. Deut. Landwirt. 4:170-173. Apr.1953. 18 D4822

68156 SMITH, M. L. The music leaders plan for club music period. Nebr. Agr. Col. Ext. Music C. 78,7 p. 1953. 275.29 N272Mu

68157 SPEECE, M. A. Our fifth annual look at TV. Educ. Air 22:303-306. 1952. 275.9 In72
In agricultural education.

68158 STENIS, J. C. Logical discussion of agriculture's hope through education, research. MFC Co-op News 31(4):8. Apr.1953. 280.28 M69

68159 STEWART, A., and COWDEN, T. K. Economics in the curricula of agricultural colleges in Canada and the United States. Amer. Econ. Rev. 43(2):313-339. May 1953. 280.8 Am32
Includes introductory remarks by J. D. Black, chairman, and discussion by D. G. Johnson, and F. V. Waugh.

68160 STEWART, W. F. Are we developing farmers who can think? Better Farming Methods 25(5):20,22-23. May 1953. 58.8 B46

68161 STORZ. Die beratung des kleinbäuerlichen betriebes. Ausbild. u. Beratung in der Landwirt. 6:62-65. Apr.1953. 18 N11
Germany.

68162 TAYLOR, J. B. Boy and girl club projects to fit the area conditions offered as being more practical. N. Mex. Stockman 18(5):58-59. May 1953. 49 N462

68163 TELLES, A. DE Q. The health of the rural worker. (In Portuguese.) Lav. e Criação 7(44):17-22. (Cont.) Nov.1952. 49 L392
Brazil.

68164 TEXAS.AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Annual report 1952. College Station,1953. 39 p. 275.29 T312A

68165 THOMAS, J. D. Evaluating the productive swine enterprise project. Agr. Educ. Mag. 25:246-247. May 1953. 275.8 Ag8

68166 THOMAS, P. T. The functions of a university department. U. Col. Wales. Agr. Soc. J. 33:16-18. 1952. 10 Un3

68167 U. S. CONGRESS. SENATE. COMMITTEE ON AGRICULTURE AND FORESTRY. Appropriations for cooperative agricultural extension work. Hearing, 83d Cong., 1st sess. on S. 1679, April 28, 1953. Washington, 1953. 22 p.

68168 U. S. EXTENSION SERV. Differential characteristics of the more effective and less effective teachers; a summary report of nine studies made for the Office of Naval Research, Department of the Navy. Washington, 1953. 14 p. 1.913 S2D56

68169 VARONA, J. La enseñanza de la agricultura en las escuelas nacionales. Ceres [Valladolid] 18(202): 48-49. Apr.1953. 15 C33

68170 VIDVEI, L. Is a reorganization of agricultural education needed? (In Norwegian.) Landbrukstidende 59: 230. Mar.25,1953. 11 L236

68171 WALKER, D. D., and FARRELL, F. D. The job of the home demonstration agent. (Excerpts.) Ext. Serv. Rev. 24:78,85. Apr.1953. 1 Ex892Ex

68172 WAN, B. Rural library service in Burma. Unesco B. Libr. 7:E59-E61. May/June 1953. 280.8 Un3

68173 WASHINGTON STATE COLLEGE. EXTENSION SERV. Demonstrating the future, extension work in home economics. Wash. State Col. Ext. C. 225,6 p.-folder. Apr.1953. 275.29 W27C

68174 WELLS, G. F. Origin of the country church movement. Town & Country Church 89:7. May 1953. 281.28 T66

68175 WEST VIRGINIA.UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Better rural living. The 1952 report of the Cooperative Extension Service in Agriculture and Home Economics at West Virginia University. Morgantown,1952. 28 p. 275.29 W522B

68176 WRIGHT, R. An agricultural show in East Africa. Hearth & Farm 7:234. Spring 1953. 10 B47

Leadership

68177 DINERSTEIN, H. S. Leadership in Soviet agriculture and the Communist Party; 2 September 1952. Santa Monica,Calif.,Rand Corp.,1952. 254 p. Ref. (Project Rand Research Memorandum, RM-923) 281.179 D61

68178 LARSON, N. M. 4-H Club leaders; you and your members. Mass. U. Agr. Ext. 4-H L. 51,12 p. May 1952. 275.29 M381J

68179 PENNSYLVANIA.STATE COLLEGE. AGRICULTURAL EXTENSION SERV. 4-H leaders' training meeting. Apr.1953. 275.29 P38C

68180 TEXAS.AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Leader's guide for community organization. Tex. Agr. Col. Ext. L-181,4 p. n.d. 275.29 T313

Rural Organizations and Movements

68181 ABRAHAMSEN, M. A., and SCEARCE, J. L. Operations of major regional purchasing cooperatives, 1941-1951. U. S. Farm Credit Admin. C. C-148,26 p. Dec.1952. 166.2 C4923

68182 AGRICULTURAL CO-OPERATIVE ASSOCIATION. Farmers' societies, their place in English agriculture, by P. Walters. London,1952? 15 p. 10 Ag892

68183 ASSOCIATION OF SOUTHERN AGRICULTURAL WORKERS. The South on the march; history of the Association of Southern Agricultural Workers commemorating the golden anniversary of this organization. n.p., 1953? 152 p. 4 As73S

68184 BENDER, R. E. Guiding principles in financing the local FFA chapter. Agr. Educ. Mag. 25:259-260. May 1953. 275.8 Ag8

68185 BENOIST, G. Les administrateurs de coopératives agricoles s'insurgent contre l'amendement Briot. Cadres et Coop. Agr. 26:3. Mar.1953. 280.28 C113
France.

68186 CALZECCHI-ONESTI, A. Realities of cooperation in agriculture. (In Italian.) Italia Agr. 90:165-167. Mar.1953. 16 It1

68187 CARLSON, D. Management controls are essential tools. News Farmer Coop. 20(2):4,14. May 1953. 166.2 N47
In cooperatives.

68188 CHENG, T. H. Three years' achievements of the co-operative movement in New China. In China Committee for the Promotion of International Trade. New China's economic achievements, p.245-257. Peking, 1952. 280.184 C445
Includes agricultural cooperatives.

68189 COURT HOUSE CO-OPERATORS (WELSH LAND SETTLEMENT). Fourteenth annual report 1st February, 1952 to 31st January, 1953. Cardiff,1953. 7 p. 280.29 W463
Library has also annual reports for 1952/53 of the Sealand Manor Co-operators (280.29 W466), Rosemarket Co-operators (280.29 W465), Fferm Goch Co-operators (280.29 W464), and Boverton Castle Co-operators (280.29 W462).

68190 DELTA COUNCIL. Annul report, 1951-52. Stoneville,Miss.,1952. 44 p. 280.9 D38R

68191 DOMESTICHOS, A. The cooperatives in the centre and in the districts. (In Greek.) Phone ton Synetairismon 92:2462-2463. Mar.1953. 280.28 P49

68192 DREJER, A. The coop. movement in Denmark. (In Greek.) Phone ton Synetairismon 92:2467-2468. Mar. 1953. 280.28 P49

68193 DRIVER, P. N. Place of co-operation in the economic development of the masses. Indian Co-op. Rev. 18:327-335. Oct./Dec.1952. 280.28 In2

68194 FAUST, R. Entwicklung und entwicklungstendenzen im deutschen landwirtschaftlichen genossenschaftswesen. Agrarpolit. Rev. 9:323-331. Apr./May 1953. 281.8 Ag824

68195 FERNANDES, J. S. More on the agricultural youth club (is it an organization to study and adapt?) (In Portuguese.) Chacaras e Quintais 87:346-348. Mar.15, 1953. 9.2 C34
Brazil.

68196 FERNANDES, J. S. What are the difficulties in the expansion of agricultural clubs? (In Portuguese.) Chacaras e Quintais 87:359-360. Mar.15,1953. 9.2 C34
Brazil.

68197 FRIETEMA, H. J. The problem of concentration in agricultural cooperation. I. (In Dutch.) Cooperatie 15:40-43. Apr.1953. 280.29 N216M
Netherlands.

68198 FUENTES, C. Las cooperativas del campo en Alava. Cooperación [Madrid] 132:12-13. Feb.1953. 280.28 C7875

68199 GRAY, C. D. S. The YFC comes of age. Farmers Wk. [London] 38(18):58-59. May 1,1953. 10 F2226
Young Farmers' Clubs in Great Britain.

68200 HINSHAW, K. Car door delivery good for Eastern States [Farmers' Exchange]. News Farmer Coop. 20(3):4-5,13. June 1953. 166.2 N47

68201 HOWALD, O. Von der idee zur tat. Agrarpolit. Rev. 9:332-337. Apr./May 1953. 281.8 Ag824
Cooperatives.

68202 IDAHO STATE GRANGE. Subordinate, pomona and juvenile roster 1953. n.p.,1953. 31 p. 4 Id13

68203 ILLINOIS STATE GRANGE. Journal of proceedings,eighty-first annual session, Peoria, Illinois, Sept. 29-Oct. 2, 1953. n.p.,1953. 184 p. 4 IL63

68204 IRISH AGRICULTURAL ORGANISATION SOCIETY. Report for the year ending 31st December, 1952. n.p.,1953. 70 p. 10 Ir42

68205 JAGGI, E. Die junge generation und das genossenschaftswesen. Agrarpolit. Rev. 9:352-358. Apr./May 1953. 281.8 Ag824
Education.

68206 JENISCH, V. Studienreise in Schweden; das schwedische bäuerliche genossenschaftswesen. Salzburger Bauer 8(17):4-7. Apr.23,1953. 19 Sa3

68207 JENSEN, J. Farming's greatest bargain. Ill. Agr. Assoc. Rec. 31(5):28-29. May 1953. 6 IL62
Winnebago County Farm Bureau and LaSalle County Farm Bureau.

68208 KAUL, R. N. Co-operation in Bombay and Madras States as I saw in 1952. Indian Co-op. Rev. 18: 366-374. Oct./Dec.1952. 280.28 In2

68209 KILIMANJARO NATIVE CO-OPERATIVE UNION. Nineteenth annual report 1950-1951. Moshi,1952. 48 p. 280.29 K553

68210 KNAPP, J. G. Co-operatives have a future. Pig Prog. 18(2):3-4. Feb.1953. 46.8 P622

68211 KRAUS, T. Bauernnot und bauerneinigkeit; entstehungsgeschichte des Niederösterreichischen Bauernbundes. Wien,Österreichischer Agrarverlag,1952. 75 p. (Agrarische Rundschau. Sonderheft) 19 K86

68212 KREBS, A. H. The FFA—the vehicle or a wheel? Agr. Educ. Mag. 25:244,260-261. May 1953. 275.8 Ag8

68213 LIET-VEAUX, G. Constitution des associations syndicales de propriétaires. Rev. de Lég. Agr. 6: 39-42. Mar.1953. 281.8 R325
France.

68214 LUZ, F. Teoria e prática das sociedades cooperativas [Theory and practice of cooperative societies]. Ed. 4, rev. Rio de Janeiro,Pongetti,1953. 748 p. 280.2 L97T

68215 MCLAUGHLIN, F. Ohio co-op boosts petroleum volume. News Farmer Coop. 20(2):11-12. May 1953. 166.2 N47

68216 MAGRIN, P. P. La cooperazione agricola nelle zone di riforma [Agricultural cooperation in the reform area]. Roma,Coppitelli,1952. 183 p. 280.2 M27

68217 MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Demonstrations for 4-H Club members. Mass. U. Agr. Ext. 4-H L. 50,15 p. June 1952. 275.29 M381J

68218 MENEZES, R. B. DE. Basic fundamentals for the progress of national agriculture. (In Portuguese.) Coop [Bahia] 11(106/107):3-4. Sept./Oct.1952. 280.28 C7842
Organization.

68219 MOWERY, R. FFA boys cook 'n sew. Better Farming Methods 25(5):24,26. May 1953. 58.8 B46
Montana.

68220 NAGPUR CO-OPERATIVE SOCIETY. Twentieth annual report 1951-52. Nagpur,1952. 12 p. 280.29 N13

68221 NATIONAL COMMITTEE ON BOYS AND GIRLS CLUB WORK. 1953 national 4-H awards handbook for local leaders. Chicago,1953? 52 p. 275.28 N214

68222 NATIONALE COOPERATIEVE RAAD. 15e jaarverslag 1952 [15th annual report 1952]. n.p.,1953. 33 p. 280.29 N216
Netherlands.

68223 NEUMAYR, L. Die organisation der landwirtschaft. Landwirtschaft 7/8:120-121. Apr.1953. 19 L235
Austrian cooperatives.

68224 OLIVENCIA, P. Ceremonia de iniciacion 4-H. Puerto Rico Agr. Col. Ext. C. 4-H 69,rev.,8 p. Apr.1952. 275.29 P96Cu

68225 OLIVENCIA, P. Como organizar un Club 4-H. Puerto Rico Agr. Col. Ext. C. 4-H 57,rev.,4 p. Apr.1952. 275.29 P96Cu

68226 O'MEARA, J. E. Canada. Horace Plunkett Found. Ybk. Agr. Co-op. 1953:98-101. 280.29 H78

68227 PAN AMERICAN UNION. DIV. OF LABOR AND SOCIAL INFORMATION. Informe final, seminarios regionales de asuntos sociales: cooperativas; resumen de las discusiones de la Mesa Redonda de Cooperativas, Quito, Ecuador, mayo de 1950, San Salvador, El Salvador, noviembre de 1950, Porto Alegre, Brasil, mayo de 1951. Washington,1952. 92 p. Ref. 150.91 In3

68228 PANGANIBAN, F. C. 4-H Club work in the Philippines. Agr. & Indus. Life 15(3):5,55. Mar.1953. 25 Ag8

68229 PHILLIPS, R. Should control vary with patronage? News Farmer Coop. 20(3):12-13. June 1953. 166.2 N47
Cooperatives.

68230 PHIPPS, L. J. Evaluation in the FFA. Agr. Educ. Mag. 25:257-258. May 1953. 275.8 Ag8

68231 PIZA, L. New techniques in cooperation. (In Portuguese.) Soc. Rur. Bras. Rev. 33(384):12,14-16. Jan.1953. 9.2 B733

68232 PUERTO RICO.UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Las cooperativas industriales aumentan los ingresos en el hogar. Puerto Rico. Agr. Col. Ext. C. 4,5 p. Feb.1953. 275.29 P96Ci

68233 PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Las hormigas conocen el secreto. Puerto Rico. Agr. Col. Ext. Fol. 10,6 p. Oct.1952. 275.29 P962F
4-H Clubs.

68234 PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Qué es una cooperativa de consumo. Puerto Rico. Agr. Col. Ext. Fol. 13,7 p. Feb.1953. 275.29 P962F

68235 RICHTER. So unterstützt der Kreisvorstand Meissen die werktätigen bauern bei der bildung von produktionsgenossenschaften. Demokratische Dorf 2(11): 18-19. Nov.1952. 281.8 D39
Russian zone of Germany.

68236 ROBINSON, J. L. Using a local cooperative as source material for teaching. U. S. Farm Credit Admin. C. E-25,rev.,9 p. 1953. 166.2 C4926

68237 ROYAL JERSEY AGRICULTURAL AND HORTICULTURAL SOCIETY. Annual report for 1952. St.Helier, 1953. 119 p. 10 J48

68238 RYAN, J. C. Progress of the co-operative movement. Madras J. Co-op. 44:477-483. Mar.1953. 280.28 M26

68239 SANTOS, D. S. Philippine Association of Agriculturists pledges support. Philippines. Bur. Plant. Indus. Plant Indus. Digest 15(4):39-42. Apr.1952. 25 P544P

68240 SCHUMY, V. Der wiederaufbau der landwirtschaftlichen genossenschaften in Oesterreich. Agrarpolit. Rev. 9:305-313. Apr./May 1953. 281.8 Ag824

68241 SCROGGS, C. L. Farmers Federation, a cooperative crusader. News Farmer Coop. 20(2):8-10. May 1953. 166.2 N47
In North Carolina.

68242 UNITED PLANTING ASSOCIATION OF MALAYA. 51st annual report 1952. Kuala Lumpur,1953. 81 p. 22.5 P69

68243 U. S. EXTENSION SERV. Enrollments and completions in 4-H Clubs in 1952, reported by all Extension agents. Washington,1953. 1 p. 1.913 S2En7

68244 VEREINIGUNG DER GEGENSEITIGEN BAUERNHILFE (BAUERLICHE HANDELSGENOSSENSCHAFT). ZENTRALVERBAND. Bericht von der V. tagung am 17. und 18. Oktober 1952. Demokratische Dorf 11(sup.),36 p. Nov.1952. 281.8 D39

68245 WEST VIRGINIA FARM WOMEN'S CLUBS. Annual report for the year 1952. n.p.,1953. 41 p. 281.29 W52

RURAL SOCIAL PSYCHOLOGY

68246 BRADSHAW, P. P. Fear! N. J. Agr. Col. Ext. L. 105,4 p. May 1953. 275.29 N46L

68247 FARM policy: western farmers speak for themselves. Farm Mangt. 2(6):12,14. May 1953. 281.8 F2225
Preliminary returns on a poll.

68248 GREEN, J. C. The farm family looks at labor. Amer. Country Life Assoc. Proc. 31:36-43. 1952. 281.2 N213

68249 GROVES, W. F. Tribute to the small town. Hoard's Dairyman 98:424. May 10,1953. 44.8 H65

68250 MILLER, P. A. The farm family looks at the city family. Amer. Country Life Assoc. Proc. 31:50-57. 1952. 281.2 N213

68251 NATIONAL FARM RADIO FORUM. Farm forum questionnaire: summary of replies, 1953. Toronto, 1953. 9 p. 281.9 N216Fa

68252 REAMAN, G. E. Is the farm home breaking up? Farmer's Mag. 50(4):26-27,48-49. Apr.1953. 7 C165
Canada.

68253 SLOCUM, W. L. Adjustment of veteran trainees to farming and rural life. Wash. Agr. Expt. Sta. B. 541,24 p. Apr.1953. 100 W27E

68254 STERN, J. K. The farm family looks at business. Amer. Country Life Assoc. Proc. 31:27-30. 1952. 281.2 N213
Attitudes.

TRADE, FOREIGN AND INTERNATIONAL

68255 ALZIEU, A. Die tunesische orange auf den auslandsmärkten. Obst u. Gemüse 5:279-280. Mar.19, 1953. 286.83 Ob72

68256 ANCIZAR, E. El grave problema de la monoexportación. Rev. Nac. de Agr. 47(574):24-26. Feb.1953. 9.4 R32
Colombian coffee.

68257 ARGENTINA. DIRECCION NACIONAL DE GRANOS Y ELEVADORES. DIRECCION DE LABORATORIOS. Calidad industrial del trigo exportado durante el año agrícola comercial 1951. Argentina. Dir. Nac. de Granos y Elevadores. B. Inform. 13:192-202. Sept.30, 1952. 286.81 Ar3

68258 ARIOUX, A. J. Les importateurs métropolitains pourront désormais réexporter du café. Café Vert 36:1-2. Apr.1953. 286.3689 F31
France.

68259 ARIOUX, A. J. La question des réexportations. Café Vert. 35:1. Mar.1953. 286.3689 F31
France.

68260 BAREGE, P. Les possibilitiés marocaines actuelles d'exportation d'abricots au sirop et de pulpes en Grande—Bretagne. Petit Casablancais 33(1616):6. Mar.7, 1953. 280.8 P44

68261 BINDER, A. Internationale regulierungen auf dem weltweizenmarkt. Kiel. U. Inst. f. Weltwirt. Kieler Studien 23,93 p. 1952. 280.9 K54K

68262 BOALS, G. P. The case for flour exports. Mod. Miller & Bakers News 80(11):23-27. May 23,1953. 298.8 M72

68263 BOCCHI, G. Die einfuhr holländischer gartenbauerzeugnisse nach Westdeutschland. Obst u. Gemüse 5:327-329. Apr.2,1953. 286.83 Ob72

68264 BOS, J. J. J. Der holländische export von obst und gemüse nach Deutschland. Obst u. Gemüse 5: 308-309. Apr.2,1953. 286.83 Ob72

68265 BRANDT, K. The future of agricultural exports. Seattle,1952. 15 p. 286 B734

68266 CAMPOS, M. DE. P. Export of corn. (In Portuguese.) Gaz. do Agr. 5:44-46. Feb.1953. 24 G25
Mozambique.

68267 CARDEW, J. Britain's attitude towards International Wheat Agreement. New Commonwealth 25: 478-480. May 11,1953. 280.8 C88

68268 DASSLER, E. Apfelsinen nach der saisonspitze. Obst u. Gemüse 5:375-376. Apr.20,1953. 286.83 Ob72
German trade.

68269 DINGS, J. F. Wool tariff, synthetics and foreign trade. Iowa Wool News 15(5):4. May 16,1953. 280.28 Io92

68270 ECONOMIST. LONDON. INTELLIGENCE UNIT. Britain as a buyer. Egypt. Cotton Gaz. 18:1-20. Jan.1953. 72.8 Eg9

68271 EIGNER, M. Internationales Weizenabkommen unter dach. L und E 6(4):7-8. Apr.1953. 389.8 Z34

68272 FERWERDA, J. L. H. Der niederländisch-deutsche handelsverkehr. Obst u. Gemüse 5:309-310. Apr.2,1953. 286.83 Ob72

68273 FLOOD, F. A. South Dakota's stake in world affairs. Washington,U. S. Foreign Agr. Serv.,1953. 13 p. 1.9424 A2F65
Summary of remarks before the South Dakota State Bankers' Association, Brookings, S. D., Apr. 28, 1953. Includes trade.

68274 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. Le commerce extérieur des pays d'outre-mer de l'Union Française en 1951, France. Inst. Natl. de la Statis. et des Études Écon. Études et Conjoncture. Écon. Franç. 8:11-21. Jan./Feb.1953. 280.8 F84

68275 FRANKE, J. A. P. Der niederländisch-deutsche warenverkehr mit besonderer berücksichtigung der niederländischen gartenbauwirtschaft. Obst u. Gemüse 5:303-305. Apr.2,1953. 286.83 Ob72

68276 GLAZE, T. New Zealand beef. Mont. Stockgrower 25(4):21. Apr.15,1953. 49 M76
Trade.

68277 GORBITZ R., A. Hacia un nuevo acuerdo internacional del trigo. Vida Agr. [Lima] 30:129,131,133. Feb.1953. 9.8 V66

68278 GRAM, G. Western Germany's foreign trade. (In Danish.) Denmark. Landbrraadet. Meddel. 14:261-271. Apr.2,1953. 11 D415L
Includes farm products.

68279 HARMAN, R. D. Embargo on Communist furs helps U. S. and Canadian fur farms. Natl. Fur News 25(4):15. May 1953. 412.628 R59

68280 HARTARD EBERT, M. Exportaciones de productos agrícolas. Campesino [Santiago] 85(2):11. Feb. 1953. 9.3 So12

68281 HECKMAN, J. H. Co-op hands across the border. News Farmer Coop. 20(2):5,12. May 1953. 166.2 N47
Trade with Canada.

68282 HENDLER, M. Great possibilities for guava exports to Britain. Food Indus. So. Africa 5(12):46. Apr.1953. 389.8 F7372

68283 HIERONYMUS, T. A. Farm exports help determine farm income. Prairie Farmer, Gen. Ed. 125(10): 18-19. May 16,1953. 6 P883

68284 HOOVER, G. E. U.S. must import foreign goods if surpluses are to be sold abroad. (Excerpts.) Sunsweet Standard 36(12):12. May 1953. 286.83 Su7

68285 KOCH, E. Handelsspannen—handelsklassen. Obst u. Gemüse 5:374. Apr.20,1953. 286.83 Ob72
Germany.

68286 KOPPE, H. Der holländische agrarexport nach Deutschland und seine schwierigkeiten. Obst u. Gemüse 5:349-350. Apr.2,1953. 286.83 Ob72

68287 LARSSON, L. E. Sweden's trade with the Federal Republic of Germany in 1950-1953. (In Swedish.) Sweden. Komkol. Kom. Meddel. 40:103-114. Mar.1953. 257.3 K832K
Includes agricultural products.

68288 LEWIS, C. D. Report on exports' "no change." Cigar Val. News 3(5):2. May 1953. 286.89 C482
Tobacco.

68289 LUTEROTTI, A. Liberalisierung? Referenzzahlen? Kontingentierung? Obst u. Gemüse 5:375. Apr. 20,1953. 286.83 Ob72
German trade.

68290 NETHERLANDS. BUR. VAN DE LANDBOUWATTACHE, BONN. Agricultural exports from Western Germany. (In Dutch.) Landbouwwereldnieuws 8:243-245. Apr.18,1953. 12 L237

68291 NIESER, O. Unkrautsamen und färbung von importsämereien auf grund der nordamerikanischen "Rules and regulations under the Federal Seed Act." Saatgut-Wirt. 5:64-65. Mar.1953. 61.8 Sa1

68292 PAGES. Les importations agricoles de l'Allemagne Occidentale en 1951. France. Min. de l'Agr. Rev. Inform. Econ. et Statis. 81:331-335. Apr.1953. 281.8 F84

68293 PATEL, M. S. Indian tobacco trade with Japan. Indian Tobacco 2:163-167. Oct./Dec.1952. 69.8 In2

68294 QUEENSLAND-BRITISH FOOD CORPORATION. Fifth report covering the year from 1st October, 1951 to 30th September, 1952. Brisbane,1952. 11 p. 389.9 Q32

68295 QUINTUS, P. E. European markets for U.S. fats and oils. Mktg. Activ. 16(4):7-9. Apr.1953. 1.942 A8M34

68296 RAMOS GRAU, R. Cuban sale to United Kingdom. Sugar 48(5):47-49. May 1953. 65.8 F11

68297 RAO, P. H. Some useful hints for tobacco exporters in respect of letters of credit. Indian Tobacco 2: 173-176. Oct./Dec.1952. 69.8 In2

68298 RIBE, H. Can agriculture be completely liberal? (In Danish.) Jydsk Landbr. 35:277-278. Apr.23, 1953. 11 J99
In regard to trade.

68299 RICHTER, W. Der westdeutsche zuckerrübenbau und die exportpolitik der Bundesrepublik. Zucker 6: 135-139. Mar.15,1953. 65.8 Z82

68300 SEILER, R. Die Niederlande und Westdeutschland. Obst u. Gemüse 5:306-307. Apr.2,1953. 286.83 Ob72
Trade.

68301 SEN, S. R. International commodity agreements. India. Dir. Econ. & Statis. Agr. Situation India 7:705-708. Mar.1953. 281.9 In23

68302 SEPTER. J. Der obsthandel Holland-Deutschland. Obst u. Gemüse 5:348-349. Apr.2,1953. 286.83 Ob72

68303 SONNEMANN, T. Die einfuhr der deutschen ernährungsgüter. Fette u. Seifen 55:189. Mar.1953. 384 C422

68304 STEIN, E. Molkereierzeugnisse im aussenhandel der Bundesrepublik 1952. Deut. Molk.-Ztg. 74 (18):inside front cover. Apr.30,1953. 44.8 Su2

68305 STREET, F. The A B C of exporting. Nurseryman & Seedsman 116:784-785. Mar.19,1953. 80 N933

68306 TANDON, P. L. The consignment system in tobacco exports and its chief drawbacks. Indian Tobacco 2:169-171. Oct./Dec.1952. 69.8 In2

68307 TOLSTOY, N. Sweden's foreign trade in foodstuffs in 1952. (In Swedish.) Jordbrekon. Meddel. 15: 114-136. Mar.1953. 257.3 J76
English summary, p. 100.

68308 TURKEY. OFF. CENTRAL DE STATISTIQUE. Statistique annuelle du commerce exterieur, 1951; commerce special; importations et exportations par pays et par nature de marchandises. Ankara,1953. 217 p. 269.9 St2Ca

68309 TYSON, R. W. European market still remains for northwest fruit. Better Fruit 47(11):17-18. May 1953. 80 B46

68310 U. S. BUR. OF THE CENSUS. Census report No. FT 110, 120, 410, 420. Washington,1953. 4 v. 157.41 Un353
FT 110, United States imports of merchandise for consumption, commodity by country of origin, calendar year 1953, 177 p. (157.41 Un353); FT 120, United States imports of merchandise for consumption, country of origin by subgroup, calendar year 1952, 36 p. (157.41 Un3532); FT 410, United States exports of domestic and foreign merchandise, commodity by country of destination, calendar year 1952, pt. 1, 142 p. (157.41 Un3522); FT 420, United States exports of domestic and foreign merchandise, country of destination by subgroup, calendar year 1952, 49 p. (157.41 Un3523).

68311 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Dairy industry. Hearings before the Special Subcommittee to Investigate the Dairy Industry in the United States, 83d Cong., 1st sess. on import controls. Pt. 1, March 17, 18, 19, 20, April 1, 14, and 16, 1953. Washington,1953. 367 p.

68312 U. S. FOREIGN AGRICULTURAL SERV. United States farm products in foreign trade. U. S. D. A. Statis. B. 112,269 p. 1953. 1 Ag84St

68313 VARELA MARTINEZ, R. Fomento de la agricultura para la exportación. Almanaque Creditario 10:67-72. 1953. 9.4 AL6
Colombia.

68314 WESTERN SAMOA. Trade, commerce, and shipping of the Territory of Western Samoa for the calendar year 1944. Wellington,1952. 24 p. 272 W52

68315 YAGER, C. M. A realistic view of the export flour situation in terms of the new tariff policy. Mod. Miller & Bakers News 80(10):18-19. May 9,1953. 298.8 M72

68316 YOUNG, W. Cómo se efectúa la exportación de animales británicos de pedigree a la América Latina. Res 21:27674-27676. Jan.5,1953. 286.85 R31

68317 ZAINI, D. The Brussels tariff agreements. (In Italian.) Laniera 66:487,489,491,493,495,497,499,501. June 1952. 45.8 B63
With reference to wool.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

68318 ABECASIS, H. M. Aspects of nutrition problems. (In Portuguese.) Cent. de Estud. Econ. Rev. 12: 117-136. 1951/52. 280.9 C333
Food composition and prices in Brazil.

68319 ALASKA. UNIVERSITY. DIV. OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Rhubarb, cultivation, food value, preservation, 32 recipes. Alaska. U. Agr. Ext. B. F-22,8 p. Feb.1953. 275.29 AL13B

68320 BOLLER, A. E. Meat in the therapeutic diet. Food & Nutr. News 24(8):1,4. May 1953. 389.8 F7332

68321 BROCKINGTON, F. Feeding Britain tomorrow. Canad. J. Pub. Health 44:124-127. Apr.1953. 449.8 P964

68322 BROCKINGTON, C. F. The principles of nutrition for practitioners and students. London,Heinemann,1952. 137 p. 386.3 B78

68323 BUOGO, G. Principles of proper nutrition. (In Italian.) Alimentazione 3(3):23-24. Mar.1953. 389.8 AL45

68324 CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. For your final spurt of growth, by M. Sniffen and H. Faust. Berkeley?1952. 19 p. 275.2 C12For
Protein food recipes.

68325 CAMPBELL, R. Nutritive needs are lifelong. Food & Nutr. News 24(8):3. May 1953. 389.8 F7332

68326 CARL, F. L., FLORY, J., and CROWLEY, R. Suppers and picnic lunches. (Food preparation II). Mo. Agr. Col. Ext. 4-H C. 113,46 p. Feb.1953. 275.29 M69B

68327 CEDERQUIST, D. C. Non-caloric functions of fat in nutrition. Nutr. News 16:13. Apr.1953. 389.8 N957

68328 CLEMMONS, A. M. Nutrition for elementary school teachers. Nutr. News 16:15. Apr.1953. 389.8 N957

68329 COHEN, M. M. Dental health survey suggests need for nutrition survey. Nutr. News 16:15-16. Apr. 1953. 389.8 N957

68330 DELONG, E. W. Nutrition and diabetes. Mod. Nutr. 6(4):8-10. Apr.1953. 389.9 Am352

68331 DESCLAUX, P., and RAMON, C. Famine et vie sexuelle de l'homme civilisé. Ann. de la Nutr. et de l'Aliment. 7:137-150. Ref. 1953. 389.8 An73
Includes discussion.

68332 DIEDRICHSEN, E. Cake decorating. Nebr. Agr. Col. Ext. E. C. 9996,4 p. 1953. 275.29 N272Ex

68333 DOHOGNE, H. Eat turkey the year round. Okla. Agr. Col. Ext. C. 584,16 p. n.d. 275.29 Ok41C

68334 DOHOGNE, H. Let's eat chicken. Okla. Agr. Col. Ext. C. 581,15 p. n.d. 275.29 Ok41C

68335 ELVEHJEM, C. A. The importance of food in preventive medicine. Amer. J. Pub. Health 43:523-528. May 1953. 449.9 Am3J

68336 FIGUEROA, W. G., and others. Lack of avitaminosis among alcoholics: its relation to fortification of cereal products and the general nutritional status of the population. J. Clin. Nutr. 1:179-199. Ref. Mar./Apr. 1953. 389.8 J824
F. Sargent, L. Imperiale, G. R. Morey, C. R. Paynter, L. J. Vorhaus, and R. M. Kark, joint authors.

68337 FINCKE, H. Zucker und zähne. Zucker- u. Süsswaren-Wirt. 6:253-254. Apr.9,1953. 286.86 Z8

68338 FLODIN, N. W. Amino acids and proteins, their place in human nutrition problems. J. Agr. & Food Chem. 1:222-235. Ref. Apr.29,1953. 381 J8223

68339 FOSDICK, L. S. Dental caries and the baking industry; this is ample evidence to indicate that high-starch foods, such as bread, do not increase the incidence of tooth decay. Baker's Digest 27(2):26-28,39. Apr.1953. 389.8 Si1

68340 FREITAS, H. DE. Nutrition of the rural worker. (In Portuguese.) Lav. e Criação 7(44):48-49. Nov. 1952. 49 L392

68341 GIBSON, D. L. Summary of the report on feeding in logging camps, 1952. Canad. Pulp & Paper Assoc. Woodlands Sect. Index 1283 (B-2),6 p. 1952. 99.8 W855

68342 GROLIMAN, A. Nutrition in clinical medicine. Nutr. Rev. 11:129-131. May 1953. 389.8 N953

68343 HABERMAN, F. W. When a dietitian speaks. Amer. Dietet. Assoc. J. 29:437-440. May 1953. 389.8 Am34

68344 HALDEN, W. Der ganzheitsgedanke in der ernährung. Bodenkultur 6:383-394. 1952. 19 B635

68345 HARTOG, C. DEN. Subclinical malnutrition. (In Dutch.) Voeding 14:207-217. Ref. Apr.15,1953. 389.8 V85
English summary.

68346 HORWITT, M. K. Dietary requirements of the aged. Amer. Dietet. Assoc. J. 29:443-448. May 1953. 389.8 Am34

68347 HOWELL, M. L., and FOLEY, M. E. The 4-H chef. Mass. U. Agr. Ext. 4-H L. 56,12 p. Oct.1952. 275.29 M381J

68348 IRELAND. DEPT. OF HEALTH. National nutrition survey. VI-VII. Dublin,1950-52. 2 v. 386.3 Ir2
VI, Dietary survey; VII, Clinical survey.

68349 JENSEN, L. B. Man's foods; nutrition and environments in food gathering times and food producing times. Champaign,Ill.,Garrard Press,1953. 278 p. Ref. 389.1 J45

68350 JOLLEY, M., and ROARK, F. So you want to learn to cook. La. Agr. Col. Ext. P. 1130,86 p. Oct.1952. 275.29 L93Ep

68351 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Helping with supper and luncheon, by G. Allen. Manhattan,1952? 8 p. 275.2 K13He1

68352 KELLEY, N. D. Dairy foods in reducing diets. South. Dairy Prod. J. 53(5):66,68,70. May 1953. 44.8 So83

68353 KING, C. G. Nutrition is your business. South. Dairy Prod. J. 53(5):82-83,86,88,96. May 1953. 44.8 So83
Dairy products.

68354 LEVERTON, R. M., and ELLISON, J. Ten-year study of the cost and nutritive value of the self-planned diets of college girls. J. Home Econ. 45:326-331. May 1953. 321.8 J82

68355 LEVINE, R. Dietotherapy in gout. Amer. Dietet. Assoc. J. 29:441-442. May 1953. 389.8 Am34

68356 MACKEY, A. O., and LARSEN, L. Chocolate cake for the freezer. Oreg. Agr. Expt. Sta. C. Inform. 526,5 p. Mar.1953. 100 Or3C

68357 MELLANDER, O. Some observations on the school lunch problem. (In Swedish.) Sunt Förnuft 33:153-154. May 1953. 280.8 Su7

68358 MITCHELL, K., and BERNARD, M. C. Food in health and disease; preparation, physiological action and therapeutic value. Ed. 5. Philadelphia,Davis,1953. 688 p. 389.1 M69

68359 MOURIQUAND, G. Les dystrophies inapparentes sur les carences alimentaires "A minima" (recherches bio-diététiques). Presse Méd. 61:463-464. Ref. Mar.28,1953. 448.8 P92

68360 OLAYA R., J. La educación higiénica y la nutrición escolar. Ofic. Sanit. Panamer. B. 34:326-330. Apr.1953. 449.9 P192B
English summary.
Colombia.

68361 POTTENGER, F. M. Nutrition and tuberculosis. Mod. Nutr. 6(4):12-13. Apr.1953. 389.9 Am352

68362 PROUD, D. M. Camp food service management. N. Y. Agr. Col. Ext. Cornell Misc. B. 16,28 p. Ref. Apr. 1953. 275.29 N48Cm

68363 RUTHMAN, E. C. The U. S. emergency feeding program. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 5:13-15. First Q.1953. 389.9 As74A

68364 SCHLOSSER, G., CHAPMAN, V., and GEISSENHAINER, E. Recipes for quantity service. U. S. D. A. PA-223,31 p. May 1953. 1 Ag84Pro

68365 SEBRELL, W. H. Nutrition research. Drug & Cosmetic Indus. 72:472-473,562-565. Apr.1953. 396.8 D842

68366 SHAUNESEY, C. A. Military subsistence requirements reflect circumstances of use. Food Technol. 7:194-199. May 1953. 389.8 F7398

68367 TOBIAS, M. Nutrition and contagious disease. Mod. Nutr. 6(4):5-6. Apr.1953. 389.9 Am352

68368 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. A partial list of recent publications related to food management in institutions. U. S. Bur. Human Nutr. & Home Econ. FE 991,rev.,10 p. 1953. 1.982 A2B472

68369 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Tomatoes on your table. U. S. D. A. L. 278,rev.,20 p. May 1953. 1 Ag84L

68370 WAKELAM, J. A. Vitamins; an introductory survey of the vitamins showing their role in the treatment of deficiency diseases and the promotion of healthy growth in man and animals. Export Rev. Brit. Drug & Chem. Indus. 13(156):31-33. Apr.1953. 396.8 C42A

68371 WALLACE, M. V. Feeding the hospitalized child. Amer. Dietet. Assoc. J. 29:449-453. Ref. May 1953. 389.8 Am34

68372 WILKINS, SIR H. Problems of subsistence in hot and dry-cold areas. Res. & Devlpmt. Assoc. Food & Container Inst. Activ. Rpt. 5:7-12. First Q.1953. 389.9 As74A

68373 YLVISAKER, E. N. Feeding practices for children in Ohio hospitals. Amer. Dietet. Assoc. J. 29: 454-458. May 1953. 389.8 Am34

68374 YOUNG, C. M., and others. Weekly variation in nutrient intake of young adults. Amer. Dietet. Assoc. J. 29:459-464. Ref. May 1953. 389.8 Am34
R. E. Franklin, W. D. Foster, and B. F. Steele, joint authors.

FOOD HABITS

68375 MOSER, A. M. Use of food by farm families in the tobacco farming area of South Carolina. S. C. Agr. Expt. Sta. B. 402,61 p. Mar.1953. 100 So8

NUTRITIVE AND VITAMIN CONTENT

68376 AZERAD, E. Réhabilitation des pâtes alimentaires en alimentation rationnelle. Presse Méd. 61:611-612. Apr.25,1953. 448.8 P92
English summary in supplement.
Nutritive value of foods.

68377 CALIMERI, M. The technique of food fortification. (In Italian.) Arte Bianca 8(10):5. Apr.1,1953. 389.8 Ar7

68378 CALIMERI, M. The technique of food fortification. II. (In Italian.) Arte Bianca 8(11):5. Apr.11,1953. 389.8 Ar7

68379 CÉPÈDE, M., and LENGELLÉ, M. Intérêt et possibilités d'utilisation du tourteau d'arachide dans l'alimentation humaine. Oléagineux 8:217-220. Ref. Apr.1953. 77.8 OL2

68380 DICKINS, D. Cornmeal enrichment. Miss. Agr. Expt. Sta. C. 184,6 p. Apr.1953. 100 M69

68381 DICKINS, D. Whole cornmeal deficient; enrichment is recommended. Miss. Farm Res. [Miss. Sta.] 16 (4):2. Apr.1953. 100 M69Mi

68382 EGE, R. Nutritive value of dairy products. II. (In Danish.) Nord. Mejeri-Tidsskr. 19:41-43. 1953. 44.8 N752

68383 FINCKE, H. Macht schokolade dick? Schokoladen Handels 7tg. 4(4):3-4. Apr.25,1953. 286.83 Sch6
Includes nutritive value.

68384 FINCKE, H. Macht schokolade dick? Zucker- u. Süsswaren-Wirt. 6:352,355-356. Apr.20,1953. 286.86 Z8
Nutritive value included.

68385 FLACCOMIO, E. Rose flowers and fruit in human and animal nutrition. (In Italian.) Riv. Ital. Essenze—Profumi—Piante Officinali—Olii Veg.—Saponi 35:120-121. Mar.15,1953. 308.8 R52
Chiefly on nutritive value of rose hips.

68386 GUNDERSON, F. L. Improvement in nutritive value of foods. In Manufacturing Chemists' Association of the U. S. Inter-industry chemicals in foods conference, p.20-29. Chicago,1952. 389.9 M312

68387 HALEVY, S., and GROSSOWICZ, N. A microbiological approach to nutritional evaluation of proteins. Soc. Expt. Biol. & Med. Proc. 82:567-571. Apr.1953. 442.9 So1

68388 KRAUSS, W. E. La valeur nutritive relative du gras et des solides non-gras du lait. Québec Lait. 12(3): 20-21. Mar.1953. 44.8 Q3

68389 MAIR-WALDBURG. Zur milchbestrahlung. Deut. Molk.-Ztg. 74:435. Apr.3,1953. 44.8 Su2

68390 MALAKAR, M. C. Nutritive value of the proteins of processed milk. Sci. & Cult. 18:316-318. Ref. Jan.1953. 475 Sci24

68391 MARSANET. Le lait dans l'alimentation humaine. Agr. Creusoise 2(6):20-22. 1952? 14 Ag827

68392 MARTINEZ, M. C. B. DE. Uso y aplicaciones de la soya. Tierra [Mexico] 8:205,208. Mar.1953. 8 T445
Nutritive value.

68393 MAURER, K. J. Das vitamin-C-problem in der sortenfrage des apfels. Hess. Obstbau 8:54-56. Apr. 1953. 80 G1932

68394 MOORE, P. Enrichment amongst Canadian Indians. Canad. Milling & Feed 34(5):25-26. May 1953. 298.8 C162

68395 MURPHY, E. F. Vitamin C content of Maine rutabagas. Maine. Agr. Expt. Sta. B. 508,16 p. Ref. Jan.1953. 100 M28S

68396 NEU, H. Vom vollwert des brotes in alter und neuer zeit. Bionomica 4:35-36. Mar.1953. 463.8 B52

68397 SCHIEL, O. Das ende der wundereier? Deut. Wirtgeflügelzucht. 5:433-436. Ref. May 2,1953. 47.8 D483

68398 SCHNEIDER, F. Weisszucker und ernährung. Zucker 6:207-211. Ref. May 1,1953. 65.8 Z82

68399 SCHROEDER, L. J., IACOBELLIS, M., and SMITH, A. H. Heat processing and the nutritive value of milk and milk products. J. Nutr. 49:549-561. Ref. Apr.10,1953. 389.8 J82

68400 SCHWARZ, R. Beer—a food beverage. Amer. Brewer 86(4):38,60. Apr.1953. 390.8 Am3
Nutritive value.

68401 TALLARICO, G. The potato, its nutritive and therapeutic importance. (In Italian.) Alimentazione 3(3): 30-31. Mar.1953. 389.8 AL45

68402 TARR, H. L. A. Fish and human nutrition. Nutr. Observ. 14:8-14. Jan.1953. 389.8 N955

68403 TRONI, V. Milk—complete food. (In Portuguese.) Frutas da Madeira 12:303-304. Feb.1953. 286.83 F9422

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

68404 AGENDA de l'agriculteur et du vigneron agenda agricole-horticole de la Suisse romande, 1953. Lausanne,1953. 336 p. 30.3 Ag33

68405 ALMANAQUE creditario, año X, 1953. Bogota, 1952. 126 p. 9.4 AL6

68406 ARIZONA. AGRICULTURAL EXPERIMENT STATION. Seventh annual report, economic poisons. Ariz. Agr. Expt. Sta. Spec. B.,76 p. Apr.1953. 100 Ar4A

68407 ARKANSAS ACADEMY OF SCIENCE. Proceedings, volume v, 1952. n.p.,1952. 162 p. 500 Ar42

68408 BERGSTEINSSON, I., and others. A growing market for agricultural chemicals. J. Agr. & Food Chem. 1:214-220. Apr.29,1953. 381 J8223
A. W. Mohr, H. H. Shepard, F. H. Leavitt, L. Rooke, W. T. McGeorge, C. E. Otis, G. F. MacLeod, I. L. Isenhour, A. F. Swain, A. B. Lemmon, and K. M. Smoyer, joint authors.

68409 BISHOPP, F. C. Issues involved in pesticide legislation. Cotton Insect Control Conf. Proc. 6:9-16. 1952. 423.9 C82

68410 CAMUS, J. S. The organization and accomplishments of the Bureau of Agriculture. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(4):31-38. Apr. 1952. 25 P544P

68411 CHEMICAL INSTITUTE OF CANADA. Abstracts of papers. Chem. Canada 5(5):37-49. May 1953. 381 C4236
36th annual conference, Windsor, June 4, 5, 6.

68412 CLARK, J. W. Wisconsin: land of water, woods, wildlife. Wis. Agr. Col. Ext. C. 417,32 p. Jan.1953. 275.29 W75C

68413 GORDON, E. L. Sky laboratories. N. Y. Agr. Col. Ext. Cornell Rural School L. 46(3),32 p. Winter 1952/53. 275.29 N48R

68414 HANNA, L. W. Hanna's handbook of agricultural chemicals. Portland,Oreg.,1952. 209 p. 395 H19

68415 HANSBERRY, R. Recientes desarrollos de la agricultura quimica en los Estados Unidos. Agro [Maracay] 7(22):65-78. Sept./Oct.1952. 9.95 Ag83

68416 HAYES, W. J. Public health aspects of pesticides. (Abs.) Cotton Insect Control Conf. Proc. 6: 16-19. 1952. 423.9 C82

68417 HONG KONG. DEPT. OF AGRICULTURE, FISHERIES & FORESTRY. Annual departmental reports 1951-2. Hong Kong,1952. 84 p. 22.5 H753

68418 IBRAHIM, S. Chemistry and agriculture. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:503-509. Apr./June 1953. 22.5 Ir1
English summary, p. 16.

68419 JEFFERSON, C. H. The economic importance of pesticides. Agr. Inst. Rev. 8(2):57-59. Mar./Apr. 1953. 7 Ag8
Canada.

68420 KANSAS. BOARD OF AGRICULTURE. Biennial report to the Governor, two years ending June 30, 1952. Topeka,1953. 43 p. 2 K13R

68421 KAY, K. The evaluation of health hazard in licensing of pesticides. Agr. Inst. Rev. 8(2):62-64. Mar./Apr.1953. 7 Ag8
Canada.

68422 LINSER, H. Chemie und landwirtschaft; leistungen und probleme einer fruchtbaren zusammenarbeit. Osterr. Chem.-Ztg. 54:100-105. Apr.1953. 384 Os7

68423 MEHL. Die verwendung von rauchgasen zur nagerbekämpfung und ihre gefahren. (Abs.) Angew. Chem. 65:164. Mar.21,1953. 384 Z33

68424 MINDRUM, N. C. The 4-H conservation activity. Minn. U. Agr. Ext. 4-H B. 23,12 p. July 1952. 275.29 M662M

68425 MISSOURI. AGRICULTURAL EXPERIMENT STATION. Available research bulletins. Mo. Agr. Expt. Sta. Serv. C. 148,4 p. Feb.1952. 100 M693Se

68426 MUNCHBERG, P. Neuzeitliche nagergifte. Deut. Landwirt.-Gesell. Mitt. 68:360-361. Apr.9,1953. 18 N39

68427 NATIONAL AGRICULTURAL CHEMICALS ASSOCIATION. Nineteenth annual report, September 1, 1951- August 31,1952. Washington,1952. various pagings. 381 N216

68428 NEW HAMPSHIRE. UNIVERSITY. COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. New Hampshire publications for year-round help with your garden, farm, home, and poultry. Durham,1953. 7 p. 275.29 N452L

68429 OLD FARMER'S almanac, 161st, 1953. Dublin, N.H.,1953. 112 p. 30.3 OL1

68430 OVERHOLT, P. M. The registration of insecticides, fungicides and other pesticides. Agr. Inst. Rev. 8(2):60-61. Mar./Apr.1953. 7 Ag8
Canada.

68431 PFLUEGER, O. W. Birds on the farm; the commercial value of birds to the farm is incalculable. Pa. Farmer 148:408,424. Apr.25,1953. 6 F383

68432 QUEBEC. MINISTÈRE DE L'AGRICULTURE. Rapport pour l'année finissant le 31 mars 1952. Quebec, 1952. 180 p. 7 Q3

68433 RINNERT, R. R. Muscles—machines—molecules; three stages in farming. Future Farmer 10:6,21. May/June 1953. 4 F983
Chemistry and agriculture.

68434 SALTER, R. M. Wildlife and our soil conservation objectives. Washington,U. S. Soil Conserv. Serv., 1953. 8 p. 1.965 A2Sa3
Talk at the Eighteenth North American Wildlife Conference, Washington, D. C., Mar. 10, 1953.

68435 SCHWEIZERISCHE GESELLSCHAFT FÜR VERERBUNGSFORSCHUNG. Jahresbericht 12, 1952. Zürich,1952. p.139-218. 443.9 Sch9

68436 SIERRA LEONE. DEPT. OF AGRICULTURE. Annual report for the year 1950. Freetown,1952. 24 p. 24 Si2

68437 SINCLAIR, A. T. Developing a new commercial pesticide. Agr. Inst. Rev. 8(2):44-46. Mar./Apr. 1953. 7 Ag8

68438 SMITH, F. D. Farming against rabbits. Gt. Brit. Min. Agr. Agriculture 60:39-41. Apr.1953. 10 G79J
In Great Britain.

68439 SOCIEDADE DE AGRONOMIA DO RIO GRANDE DO SUL. Report of the directorate of the Society of Agronomy of Rio Grande do Sul for the first year (1951/1952). (In Portuguese.) Rev. Agron. [Porto Alegre] 16:384-394. Oct./Dec.1952. 9.2 R325

68440 SOUTH CAROLINA. DEPT. OF AGRICULTURE. Year book 1952. Columbia,1952. 274 p. 2 So82

68441 STEINIGER. Fortschritte in der rattenbekämpfung. (Abs.) Angew. Chem. 65:164. Mar.21,1953. 384 Z33

68442 TANGANYIKA. PROVINCIAL COMMISSIONERS. Annual reports for the year 1951. Dar es Salaam, 1953. 201 p. 280.9 T15
Includes agriculture.

68443 TUGADE, P. P. The Golden Jubilee of the Bureau of Agriculture. Philippines. Bur. Plant. Indus. Plant Indus. Digest 15(4):43-44. Apr.1952. 25 P544P

68444 TURNER, S. W. The legal side of pest control. Farm Mangt. 2(6):54-56. May 1953. 281.8 F2225
Injuries in connection with use of insecticides, herbicides, and fungicides.

68445 U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Distribution of Bureau of Human Nutrition and Home Economics printed publications [1943-1952]. Washington,1952. 21 p. 1.982 A2D63

68446 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1954. Hearings, 83d Cong., 1st sess. Pt. 4. Washington,1953. p.1501-2290. 1 Ag81Hes

68447 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1954. Hearings, 83d Cong., 1st sess. Pt. 5. Washington,1953. 650 p. 1 Ag81Hes

68448 U. S. WESTERN REGIONAL RESEARCH LABORATORY. Semiannual list of publications and patents with abstracts, July 1 to December 31, 1952. U. S. Bur. Agr. & Indus. Chem. AIC-321(sup.3),10 p. 1953? 1.932 A2Ag82

68449 VILLA R., B. Las tuzas. Tierra [México] 8: 270-271,319. Apr.1953. 8 T445

68450 WHAT'S ahead for agricultural chemicals. Farm Mangt. 2(6):25-29. May 1953. 281.8 F2225

68451 YOUNG, R. S. Cobalt, an essential element. Nutr. Observ. 14:1-3. Jan.1953. 389.8 N955
In man, animals, and plants.

HISTORY AND BIOGRAPHY

68452 ACKERMAN, J. Recognition of Dr. Henry Charles Taylor. Amer. Country Life Assoc. Proc. 31: 106-108. 1952. 281.2 N213

68453 ALLAN, P. B. M. Haworth and his Prodromus. II. Ent. Rec. & J. Variation 65:112-115. Apr.1953. 421 En89

68454 BALKS, R. Justus von Liebig; zur 150. wiederkehr seines geburtstages. Landwirt. Wchnbl. f. Westfalen u. Lippe 110A:771-772. May 7,1953. 18 L2346

68455 BANGA, O. The Doctor [Rietsema] continues his investigations. (In Dutch.) Netherlands. Dir. van de Tuinbouw. Meded. 16:223-225. Apr.1953. 86 N384

68456 BRYANT, A. As we were; the changing picture of the land since earliest times. Farmers Wk. [London] 38(20):62-63,65-66. May 15,1953. 10 F2226
Great Britain.

68457 CHAMPION, W. Dr. Ernst Durtschi als genossenschafter. Agrarpolit. Rev. 9:293-305. Apr./May 1953. 281.8 Ag824

68458 CHEVALIER, A. Un grand voyageur naturaliste normand J.-J. La Billardière (1755-1834). Rev. Internatl. de Bot. Appl. et d'Agr. Trop. 33:97-124. (Cont.) Mar./Apr.1953. 26 R323

68459 DEBEVEC, L. Swammerdam and Reaumur—pioneers of apicultural progress. (In Slovenian.) Slovenski Čebelar 55:81-84. Apr.1,1953. 424.8 SL5

68460 DIAKONOFF, A. Cornelis Doets, 1894-1952. Lepidopterists' News 7:24. 1953. 421 L554

68461 DORF, P. The builder; a biography of Ezra Cornell. New York,Macmillan,1952. 459 p. 120 C81

68462 FIADEIRO, J. B. DA S. Three great figures of Portuguese veterinary medicine of the nineteenth century. (In Portuguese.) Rev. de Med. Vet. [Lisboa] 47: 468-479. July/Dec.1952. 41.8 R3215
J. J. V. de Resende, J. I. F. Lapa, and S. B. Lima.

68463 GONZALEZ, B. P. Caracteristicas agropecuarias de la época hispano-romana. Balearic Isl. Diputación Prov. B. de Agr. 101:3-4. Feb.1953. 15 B19

68464 GROVER, E. O. Theodore Luqueer Mead. Orchid J. 2:159-163. Apr.1953. 80 Or174

68465 HAUCK. Arbeitsziele der badischen landwirtschaft in der ersten hälfte des XIX. jahrhunderts. Bad. Landwirt. Wchnbl. 120:320-321. Apr.4,1953. 18 B142

68466 HOBBY, B. M. Kenneth Gloyne Blair, 1882-1952. Soc. Brit. Ent. J. 4:126-127. Mar.24,1953. 420 En85J

68467 JEANNEL, R. Charles Alluaud (1861-1949). Soc. Ent. de France. Ann. 131:1-22. Ref. 1952. 420 F84
Includes list of his publications.

68468 JUCCI, C. The death of Roberto Forlani. (In Italian.) Genet. Agr. 3:III-VII. Feb.28,1953. 450 G28

68469 KLINKOWSKI, M. Otto Appel (1867-1952). Z. f. Pflanzenzücht. 32:1-6. Feb.1953. 450 Z36

68470 LEDERER, G. Reinhard Döpp. Ent. Z. 62: 184. Mar.1,1953. 421 En85

68471 LEMOIGNE, M. Serge Winogradsky (1856-1953). Acad. d'Agr. de France. Compt. Rend. 39:259-261. Feb.25EMar.4,1953. 14 P215Bc

68472 LUNDBLAD, K. The Norwegian Marshland Society is fifty years old. (In Swedish.) Beten-Vallar-Mossar 5:43-45. Apr.1953. 11 B46

68473 MANN, D. H. National leadership, a Utah crop. Utah Farmer 73:405. May 7,1953. 6 D45
M. N. Warnick, R. E. Winn, M. Bradford, and A. Nielson, national livestock industry presidents.

68474 MENDONÇA, F. A. John Gossweiler. (In Portuguese.) Soc. Broteriana. B. (ser.2)26:V-XIII. 1952. 451 C66

68475 NILSSON, H. Herman Per Anton Funkquist, 15/8 1870, 1/1 1952. (In Swedish.) K. Fysiografiska Sällsk. Lund. Förhandl. 22:37*-39*. 1952. 502 L97F

68476 PHILIPPINES. BUR. OF PLANT INDUSTRY. Golden Jubilee of the Bureau of Agriculture, April 23-28, 1952. Philippines. Bur. Plant Indus. Plant Indus. Digest 15(4),62 p. 25 P544P

68477 PIEDRA-BUENO, A. Martí y la agricultura. Agr. Costarricense 11:59-62. Mar.1953. 8 Ag895

68478 PIONEER in sugar chemistry; Emil Fischer—the Linnaeus of carbohydrate chemistry. Sugar Molecule 7:20-22. Spring 1953. 65.8 Su325

68479 PROSCHOWSKY, P. Nicolas Appert, 1752-1841. (In Danish.) Konserves 11:32-33. Mar.1953. 389.8 K835

68480 REMINGTON, C. L. George Talbot, 1882-1952. Lepidopterists' News 7:24. 1953. 421 L554

68481 RIVERA, V. Enrico Pantanelli, (August 18, 1881-December 5, 1951). (In Italian.) Ann. di Bot. 23: 555-574. Dec.31,1951. 450 An71
Includes list of his publications.

68482 RIVERA, V. Lino Vaccari, (August 23, 1873-January 20, 1951). (In Italian.) Ann. di Bot. 23:548-554. Dec.31,1951. 450 An71
Includes list of his publications.

68483 SALVADOR Y ASCASO, J. M. El campo de la historia en la historia del campo. Cam. Ofic. Sind. Agr. de Zaragoza. Rev. Mens. 59:16. (Cont.) Apr.1953. 15 Sa7

68484 SCHLEUSENER, E. 100-jahrfeier der deutschen rassegeflügelzucht zum andenken an Robert Oettel Görlitz, im Oktober 1952. Arch. f. Geflügelzucht u. Kleintierk. 2:69-72. 1953. 47.8 Ar22

68485 SUAREZ GARCIA CACERES, O. Medio siglo de independencia, agricultura y economia. Oriente Agr. 4(40):30-31,34. (Cont.) Apr.1953. 8 Or4
Cuba.

68486 SUOMALAINEN, E. Harry Federley†. Z. f. Lepidopterologie 2:149-157. Dec.31,1952. 421 Z3
Includes a list of his publications.

68487 TEIXEIRA, A. J. S. Robert L. Pendleton, agrônomo e pedologista dos Trópicos [Robert L. Pendleton, agronomist and pedologist of the Tropics]. Cent. de Invest. Cient. Algodoeira. Mem. e Trab. 5,13 p. Ref. 1952. 72.9 L93M
Includes study and classification of tropical soils.

68488 THORNTON, H. G. Prof. S. N. Winogradsky, For. Mem. R. S. Nature [London] 171:772-773. May 2, 1953. 472 N21

68489 ULRICH, K. Franz Carl Achard 28. 4. 1753—28. 4. 1953. Z. f. die Zuckerindus. 3:145-150. Ref. Apr.20,1953. 65.8 D48
English summary.

68490 WADE, J. S., BAKER, W. A., and POOS, F. W. William Randolph Walton, 1873-1952. Ent. Soc. Wash. Proc. 55:103-108. Apr.1953. 420 W27

HOME MANAGEMENT

68491 ABINGTON, F. S., and BRUMBY, M. Good grooming—the key to charm. La. Agr. Col. Ext. P. 1129, 16 p. Oct.1952. 275.29 L93Ep

68492 ALASKA. UNIVERSITY. DIV. OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Braided rugs. Alaska. Agr. Ext. B. A-2,5 p. Mar.1953. 275.29 AL13B

68493 CLAYTOR, B. Take care of household metals. Tex. Agr. Col. Ext. C-306,8 p. n.d. 275.29 T312C

68494 GINTER, A., and BLUE, B. A study of curtain marquisettes. Mo. Agr. Expt. Sta. Res. B. 495,35 p. Apr.1952. 100 M693

68495 KIRCHNER, C. Lampshades you can make. Minn. U. Agr. Ext. B. 268,rev.,11 p. Mar.1953. 275.29 M66S

68496 MILLER, M. M. Managing the home with ease and satisfaction. Minn. U. Agr. Ext. Folder 155,rev.,8 p. Aug.1952. 275.29 M66Ex

METEOROLOGY

68497 BERGEIRO, J. M. La climatologia como auxiliar del ruralismo. Uruguay. Inst. Nac. de Colon. B. 4(36):11-12. Feb.1953. 282.29 Ur8

68498 CLARK, W. G. Weather: are 30-day forecasts possible? Farmer's Mag. 50(4):36-37,50. Apr.1953. 7 C165

68499 DERKAČOV, E. Drought and the fight against it. (In Serbo-Croatian.) Vojvodanski Poljoprivrednik 9 (3):17-18. Mar.1953. 21.5 V87
Yugoslavia.

68500 DE VILLIERS, G. D. B. Importance of weather records in agriculture. Farming So. Africa 28: 93-94. Mar.1953. 24 So842

68501 FATTAH, T. The Iraq Meteorological Service. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira'Ati'l-'Iraqiyah 8:476-488. Apr./June 1953. 22.5 Ir1
English summary, p. 14.

68502 HARPER, H. J. You can make a good guess on the rainfall. Farmer Stockman 56(5):15,64-65. May 1953. 6 Ok45

68503 LEEPER, G. W. A note on alleged runs of dry and wet years. Austral. Inst. Agr. Sci. J. 19:48-49. Mar.1953. 23 Au74

68504 LE ROI, D. Weather forecasting. Farmers Annu. 1953:65-71. 10 F2237

68505 MARTIN LYNCH, A. El clima y la vida. Peru. Dir. Gen. de Agr. B. 3/4:24-29. First/Second Q.1952. 9.8 P438

68506 MESSORI, A. Hail protection. (In Italian.) Alessandria. Cam. di Com. Indus. e Agr. Rass. Econ. 6 (4):4-5. Apr.1952. 287 AL24

68507 RUBY, F. Provoquer la pluie artificielle par les fusées à l'iodure d'argent. Rev. Agr. de l'Afrique du Nord 51:391-392. Apr.10,1953. 80 R326

68508 WORKMAN, E. J. Rainmaking—haphazard attempts to induce greater rainfall can be harmful, expert says. West. Livestock J. 31(23):57,80,82. Apr.1953. 6 F2278

PERSONNEL

68509 U. S. DEPT. OF AGRICULTURE. Honor awards ceremony. Washington,1953. 27 p. 1 Ag84H

68510 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Officials of the U. S. Department of Agriculture. Rev. Washington,1953. 2 p. 1.914 A2C93

68511 U. S. RURAL ELECTRIFICATION ADMIN. Supervisory conference, April, 1953. Washington,1953? 8 p. 1.933 Su722

RESEARCH

68512 ALGERIA. CONSEIL DE L'EXPERIMENTATION ET DES RECHERCHES AGRONOMIQUES. La recherche et l'experimentation agricole en Algérie; rapport, 1951-1952. Alger,1952. 288 p. 24 AL38

68513 ARGENTINA. DIRECCION GENERAL DE INVESTIGACIONES AGRICOLAS. Progresos cientificos alcanzados durante 1952. Argentina. Dir. Gen. de Invest. Agr. IDIA 59/60,92 p. Nov./Dec.1952. 9 Id3

68514 BENSON, E. T. The challenge—research. Washington,U. S. D. A.,Off. Sec.,1953. 17 p. 1.91 A2B44
Address before the National Institute of Animal Agriculture, West Lafayette, Ind., Apr. 21, 1953.

68515 BRAINE, B. Future provision necessary for colonial research. New Commonwealth 25:481-482. May 11,1953. 280.8 C88

68516 CANADA. SCIENCE SERV. Report for the year ended March 31, 1952. Ottawa,1952. 51 p. 7 C1622
Report of agricultural research.

68517 FROKER, R. K. Know-how as a form of capital in agriculture. Natl. Farm Inst. Proc. 15:56-61. 1953. 4 N219
Importance of research.

68518 GORDON, W. Research for the farmer. Flour & Feed 53(12):12-13. May 1953. 298.8 F66

68519 GORDON, W. E. Research-starting point of farm progress. I. Macaroni J. 34(12):74,76. Apr.1953. 298.8 N46

68520 HALL, N. S. A-bomb works for farmers. Res. & Farming [N. C. Sta.] 10(3):12-13,16. Winter 1952. 100 N81R

68521 HAWAII AGRICULTURAL EXPERIMENT STATION. Report for the biennium ending June 30, 1952. Honolulu,1953. 74 p. 100 H313

68522 MINNESOTA. AGRICULTURAL EXPERIMENT STATION. Fifty-ninth annual report, July 1, 1951, to June 30, 1952. St. Paul,1952? 43 p. 100 M66

68523 NETHERLANDS. DIRECTIE VAN DE LANDBOUW. Verslag van het landbouwkundig onderzoek in noordelijk-Groningen [Report on agricultural research in northern Groningen] 1952. Groningen,1952. 107 p. 12 N38Vg

68524 SCARSETH, G. D. Research—and the future. Nation's Agr. 28(6):16-18. June 1953. 280.82 B89

68525 SCARSETH, G. D. Research today and the farmer tomorrow. Ohio Farm Bur. News 32(10):10-11. May 1953. 6 Oh34

68526 SHAW, B. T. The role of research in meeting future agricultural requirements. Agron. J. 45:85-92. Mar.1953. 4 Am34P

68527 SLATER, SIR W. Principle and practice: from formula to farm. Brit. Farmer 6(5):8-9. May 1953. 281.8 B77
Work of the Agricultural Research Service.

68528 WALSTER, H. L. The land grant college and agricultural research. N. Dak. Agr. Expt. Sta. Bimon. B. 15:187-194. May/June 1953. 100 N813B

68529 WATSON, SIR J. S. Harnessing science to food production. Gt. Brit. Min. Food. B. 699:4-6. Apr.25, 1953. 389.9 G79B
Science and agriculture.

68530 WEST VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Science serves your farm. W. Va. Agr. Expt. Sta. B. 357(3),8 p. Mar.1953. 100 W52

STATISTICS

68531 COCHRAN, W. G. Determination of the size of experiments and samples. Washington, U. S. D. A. Comt. Expt. Design,1952. 11 p. 1.98 D48
A lecture presented in the Department of Agriculture Auditorium, Feb. 6, 1952.

68532 FEDERER, W. T. The value of summarizing results from individual experiments. Washington, U. S. D. A. Comt. Expt. Design,1953. 14 p. 1.98 V242
A lecture presented in the Department of Agriculture Auditorium, Mar. 30, 1953.

68533 HANSEN, M. H. Probability sampling as a method of obtaining objective facts. Agr. Econ. Res. 5:38-39. Apr.1953. 1 Ec7Agr

68534 HARSHBARGER, B. Some lattice designs. Washington,U. S. D. A. Comt. Expt. Design,1953. 9 p. 1.98 So52
A lecture presented in the Department of Agriculture Auditorium, Feb. 26, 1953.

68535 HART, H. M. J. Agricultural statistics in Iraq. (In Arabic.) Iraq. Min. Agr. Majallatu-'Zzira 'Ati'l-'Iraqiyah 8:510-514. Apr./June 1953. 22.5 Ir1
English summary, p. 16.
Importance and needs.

68536 KUIPER, N. H. On 4^3 factorial designs with confounding. Netherlands J. Agr. Sci. 1:11-14. Feb.1953. 12 N3892

68537 MOD, A. Quelques questions de la statistique agricole. (In Hungarian.) Hungary. Központi Statis. Hivatal. Folyoirata Statis. Szemele 31:180-197. Mar.1953. 266.5 St2M

68538 STEVENS, W. L. Sampling for crop forecasting. (In Portuguese.) Rev. Bras. de Estatis. 13:237-244. July/Sept.1952. 251.8 R322

68539 TINTNER, G. Econometrics. New York,1952. 370 p. (Wiley Publication in Economics) 280 T492
Contains references to agricultural applications.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Includes publications of the United States Department of Agriculture received in the Library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agricultural Monographs

WEBBER, J. M. Yuccas of the Southwest. U. S. D. A. Agr. Monog. 17,97 p. Ref. 1953. 1 Ag84Am

Farmers' Bulletins

KEMPER, H. E., and PETERSON, H. O. Cattle scab and methods of control and eradication. U. S. D. A. Farmers' B. 1017,rev.,26 p. Mar.1953. 1 Ag84F
Revision of former editions by M. Imes.

HALL, W. J., and WEHR, E. E. Diseases and parasites of poultry. U. S. D. A. Farmers' B. 1652,rev., 91 p. Feb.1953. 1 Ag84F
Revision of former editions by J. S. Buckley, H. Bunyea, and E. Cram.

Home and Garden Bulletins

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Clothes moths and carpet beetles; how to combat them. U. S. D. A. Home & Gard. B. 24,12 p. Apr.1953. 1 Ag84Hg
Supersedes Leaflet 145 and Leaflet 150.

EMSWELLER, S. L., MCCLELLAN, W. D., and SMITH, F. F. Roses for the home. U. S. D. A. Home & Gard. B. 25,38 p. May 1953. 1 Ag84Hg
Revision of and supersedes Farmers' Bulletin 750 of the same title, by F. L. Mulford.

U. S. BUR. ENTOMOLOGY AND PLANT QUARANTINE. Cutworms in the garden; how to control them. U. S. D. A. Home & Gard. B. 29,4 p. May 1953. 1 Ag84Hg
Supersedes Leaflet 2, by W. H. White.

Leaflets

KELLOGG, C. E. Chinchilla raising. U. S. D. A. L. 266,rev.,8 p. Jan.1953. 1 Ag84L

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Tomatoes on your table. U. S. D. A. L. 278,rev.,20 p. May 1953. 1 Ag84L

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The pink bollworm [Pectinophora gossypiella] :how we fight it. U. S. D. A. L. 339,8 p. May 1953. 1 Ag84L

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. The periodical cicada [Magicicada septendecim] the 17-year locust. U. S. D. A. L. 340,8 p. May 1953. 1 Ag84L

Marketing Research Reports

FOSSUM, M. T. Trade in horticultural specialties; a statistical compentium, 1890-1950. U. S. D. A. Mktg. Res. Rpt. 33,116 p. Ref. Apr.1953. 1 Ag84Mr

Program Aid

SCHLOSSER, G., CHAPMAN, V., and GEISSENHAINER, E. Recipes for quantity service. U. S. D. A. PA-223,31 p. May 1953. 1 Ag84Pro

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Mosaic disease of peaches: its cause and control. U. S. D. A. PA 224,6 p.-folder. Apr.1953. 1 Ag84Pro

Statistical Bulletins

U. S. FOREIGN AGRICULTURAL SERV. United States farm products in foreign trade. U. S. D. A. Statis. B. 112,269 p. 1953. 1 Ag84St

U. S. PRODUCTION AND MARKETING ADMIN. Cotton quality statistics, United States, 1951-52. U. S. D. A. Statis. B. 123,63 p. 1953. 1 Ag84St

U. S. COMMODITY EXCHANGE AUTHORITY. Commodity futures statistics, July 1951-June 1952. U. S. D. A. Statis. B. 124,62 p. 1953. 1 Ag84St

Technical Bulletins

LUGINBILL, P., and PAINTER, H. R. May beetles of the United States and Canada. U. S. D. A. Tech. B. 1060,102 p. Ref. 1953. 1 Ag84Te

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. Honor awards ceremony. Washington,1953. 27 p. 1 Ag84H

U. S. DEPT. OF AGRICULTURE. Statement on situation and prospects for feed and food grains, February 5, 1953. Washington?1953. 2 p. 1.90 A2St232

U. S. DEPT. OF AGRICULTURE. SAFETY COUNCIL. Spring 1953, clean-up and be free from fires in fifty-three. Washington,1953? 4 p. 1.90 C3Sa1S
National Fire Protection Association cooperating.

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

BEINHART, E. G., and others. Nicotiana rustica. Distribution of nicotine in the plant, loss of nicotine during drying, and methods of analyses for nicotine and moisture. U. S. Bur. Agr. & Indus. Chem. AIC-335,30 p. Feb.1953. 1.932 A2Ag82
C. F. Woodward, C. O. Willits, C. Ricciuti, C. O. Badgett, and J. J. Willaman, joint authors.

BREKKE, J. E., and others. Studies on removal of thrips from cane berries intended for processing. U. S. Bur. Agr. & Indus. Chem. AIC-353,5 p. Feb.1953. 1.932 A2Ag82
C. C. Nimmo, H. A. Swenson, C. E. Samuels, and J. R. Brock, joint authors.

FOCHTMAN, E. G., and others. Animal fats in hot dip tinning. U. S. Bur. Agr. & Indus. Chem. AIC-354, 14 p. Apr.1953. 1.932 A2Ag82
L. C. Kinney, G. G. Ference, R. W. Riemenschneider, S. G. Morris, and W. C. Ault, joint authors.

SCHWARTZ, J. H., and WRIGLEY, A. N. Allyl starch emulsions; improvement in preparation and properties. U. S. Bur. Agr. & Indus. Chem. AIC-351,5 p. Mar.1953. 1.932 A2Ag82

U. S. WESTERN REGIONAL RESEARCH LABORATORY. Semiannual list of publications and patents with abstracts, July 1 to December 31, 1952. U. S. Bur. Agr. & Indus. Chem. AIC-321(sup.3),10 p. 1953? 1.932 A2Ag82

AGRICULTURAL ECONOMICS, BUREAU OF

BREIMYER, H. F. The general livestock situation and outlook—where do we go from here? Washington, U. S. Bur. Agr. Econ.,1953. 12 p. 1.941 A2B74
Talk before the West Virginia Livestock Marketing Association, Jackson's Mill, W. Va., Apr. 14, 1953.

MORGAN, Q. M., and HECHT, R. W. Labor and power used for farm enterprises, Mississippi, 1950. U. S. Bur. Agr. Econ. F. M. 103,31 p. Apr.1953. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Animal units of livestock fed annually 1909-10 to 1952-53. U. S. Bur. Agr. Econ. F. M. 112,8 p. May 1953. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Annual livestock report, 1953; livestock on farms, January 1. Oklahoma City,1953. 2 p. 1.941 H8L7554

U. S. BUR. OF AGRICULTURAL ECONOMICS. Crops and markets, volume 30. Washington,1953. 126 p. 1 Ag84Wcm

U. S. BUR. OF AGRICULTURAL ECONOMICS. Crop production practices: labor, power, and materials, by operation. U. S. Bur. Agr. Econ. F. M. 92(sect.3), 193 p. May 1953. 1.941 L6F22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, disposition, and income, meat animals 1951-1952, by States, by E. B. Hannawald and R. Potas. Washington,1953. 8 p. 1.9 Ec71Fp

U. S. BUR. OF AGRICULTURAL ECONOMICS. Farm production, farm disposition, and value of principal crops, 1951-1952, by States. Washington,1953. 41 p. 1.9 Ec71Prf

U. S. BUR. OF AGRICULTURAL ECONOMICS. Florida vegetable crops; annual statistical summary, 1952, VIII, by J. B. Owens, J. C. Townsend, G. N. Rose, and D. L. Brooke. Orlando?1953? 122 p. 1.941 H8V526

U. S. BUR. OF AGRICULTURAL ECONOMICS. Idaho wheat by counties, 1952 crop. Boise,Idaho,1953. 2 p. 1.941 S8W563

U. S. BUR. OF AGRICULTURAL ECONOMICS. June 15 sour cherry report. Washington,1952. 2 p. 1.941 S8C42

U. S. BUR. OF AGRICULTURAL ECONOMICS. 1952-1953 annual naval stores report including semi-annual, October 1, 1952-March 31, 1953. Production, distribution, consumption and stocks of turpentine and rosin and production and stocks of miscellaneous naval stores for the United States. Washington,1953. 11 p. 1.941 S8N22

U. S. BUR. OF AGRICULTURAL ECONOMICS. Pig crop report, December 1952. Washington,1952. 8 p. 1.9 Ec742Pi

U. S. BUR. OF AGRICULTURAL ECONOMICS. Status of farm mutual legislation, by R. R. Botts. Washington,1953. 9 p. 1.941 F6St2

U. S. BUR. OF AGRICULTURAL ECONOMICS. U. S. honey and beeswax production, 1952. Washington, 1953. 8 p. 1.941 H8H75

AGRICULTURAL RESEARCH ADMINISTRATION

BROTHER, G. H. Waste feathers converted to fertilizer. U. S. Agr. Res. Admin. Res. Achvt. Sheet 161(C),2 p. Apr.1953. 1.98 R31

COCHRAN, W. G. Determination of the size of experiments and samples. Washington, U. S. D. A. Comt. Expt. Design, 1952. 11 p. 1.98 D48
A lecture presented in the Department of Agriculture Auditorium, Feb. 6, 1952.

FEDERER, W. T. The value of summarizing results from individual experiments. Washington, U. S. D. A. Comt. Expt. Design,1953. 14 p. 1.98 V242
A lecture presented in the Department of Agriculture Auditorium, Mar. 30, 1953.

HARSHBARGER, B. Some lattice designs. Washington, U. S. D. A. Comt. Expt. Design,1953. 9 p. 1.98 So52
A lecture presented in the Department of Agriculture Auditorium, Feb. 26, 1953.

ANIMAL INDUSTRY, BUREAU OF

KUTTLER, A. K. Progress report on brucellosis eradication. Washington,U. S. Bur. Anim. Indus.,1953. 5 p. 1.972 A2K96
Presented at the National Brucellosis Committee annual meeting, Chicago, May 14, 1953.

U. S. BUR. OF ANIMAL INDUSTRY. Educational aids on the National Poultry Improvement and National Turkey Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 40,rev.,5 p. Apr.1953. 1.9 An52An

U. S. BUR. OF ANIMAL INDUSTRY. NC-1, improvement of beef cattle through breeding methods, report of annual meeting of NC-1 Technical Committee held at Stillwater, Oklahoma July 21, 22, 23, 1952. Lincoln,Nebr.,1952? 57 p. 1.972 A2R299

U. S. BUR. OF ANIMAL INDUSTRY. Tentative revision of vesicular exanthema eradication program; prepared for discussion with representatives of industry and state officials. Washington,1953. 5 p. 1.972 A2T262

COMMODITY CREDIT CORPORATION

U. S. COMMODITY CREDIT CORPORATION. Review of program operations, Commodity Credit Corporation, fiscal year 1952. Washington,n.d. 21 p. 1.957 R32

ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

BOTTGER, G. T., YERINGTON, A. P., and GERTLER, S. I. Preliminary tests of some esters of acetic acid as insecticides. U. S. Bur. Ent. & Plant Quar. E-859,31 p. May 1953. 1.9 En83

FULTON, R. A., and GELARDO, R. P. A list of publications on liquefied-gas aerosols (1938-1952). U. S. Bur. Ent. & Plant Quar. E-857,25 p. May 1953. 1.9 En83

HOWE, W. L., and CAMPBELL, W. V. A simple method for rearing green June beetle [Cotinis nitida] larvae. U. S. Bur. Ent. & Plant Quar. ET-307,2 p. Apr.1953. 1.9 En83Et

POOS, F. W., and HOWE, W. L. Control of the southern corn rootworm [Diabrotica undecimpunctata howardi] on peanuts. U. S. Bur. Ent. & Plant Quar. EC-23, rev.,8 p.-folder. Apr.1953. 1.967 A2Ec1

REID, W. J., and CUTHBERT, F. P. Tests of insecticides for control of the pickleworm and associated insects on cucumbers and squash—1948-51. U. S. Bur. Ent. & Plant Quar. E-856,34 p. May 1953. 1.9 En83

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Administrative instructions designating rust-resistant species and varieties of barberry [Berberis] Mahoberberis, and Mahonia plants. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 577,rev.,3 p. Apr.1953. 1.9 F73

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Directory of the Bureau of Entomology and Plant Quarantine. Washington,1953. 98 p. 1.9 En86Di

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. EQ-53, information for formulators and distributors. Washington,1952. 4 p. 1.967 A2Eq1

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Important supplemental information on EQ-53. Washington,1953. 2 p. 1.967 A2Im7

U. S. BUR. OF ENTOMOLOGY AND PLANT QUARANTINE. Plant quarantine import restrictions of the Republic of France. U. S. Bur. Ent. & Plant Quar. B. E. P. Q. 403,rev.,8 p. Apr.20,1953. 1.9 F73

EXTENSION SERVICE

U. S. EXTENSION SERV. Differential characteristics of the more effective and less effective teachers; a summary report of nine studies made for the Office of Naval Research, Department of the Navy. Washington, 1953. 14 p. 1.913 S2D56

WESTERN EXTENSION MARKETING CONFERENCE, LOGAN, UTAH. Report of the Western Extension Marketing Conference, September 29 through October 3, 1952. Washington,1953. 120 p. 1.913 C3W523

FARM CREDIT ADMINISTRATION

ABRAHAMSEN, M. A., and SCEARCE, J. L. Operations of major regional purchasing cooperatives, 1941-1951. U. S. Farm Credit Admin. C. C-148,26 p. Dec.1952. 166.2 C4923

MATHER, J. W. Standards for tank truck servicemen in West Central States. U. S. Farm Credit Admin. C. C-149,23 p. Feb.1953. 166.2 C4923

ROBINSON, J. L. Using a local cooperative as source material for teaching. U. S. Farm Credit Admin C. E-25,rev.,9 p. 1953. 166.2 C4926

U. S. FARM CREDIT ADMIN. Annual report, 1951-52. Washington,1953. 131 p. 1 Ag84 also 166.2 An7

FARMERS HOME ADMINISTRATION

U. S. FARMERS HOME ADMIN. Farm housing; completed farm development, inception through June 30, 1952. Washington,1953. 5 p. 1.949 F2244

FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. FCI county procedure manual; citrus, county application procedure. Washington,1953. 17 p. 1.952 F3194

U. S. FEDERAL CROP INSURANCE CORPORATION. Sales talk: suggestions and materials for developing county crop insurance programs. Washington,1953. 33 p. 1.952 Sa333

FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

FLOOD, F. A. South Dakota's stake in world affairs. Washington,U. S. Foreign Agr. Serv.,1953. 13 p. 1.9424 A2F65

Summary of remarks before the South Dakota State Bankers' Association, Brookings, S. Dak., Apr.28, 1953.

WHITAKER, F. H., and HOWARD, J. O. The cotton textile industry of Portugal. U. S. Foreign Agr. Serv. Foreign Agr. Rpt. 72,28 p. Apr.1953. 1.943 F763

FOREST SERVICE

BAKER, H. L., and POLI, A. Area and ownership of forest land in Del Norte County, California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Survey Release 18,23 p. Jan.1953. 1.9 F7626F

BENJAMIN, D. M. The jack-pine budworm [Choristoneura] in Michigan. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 396,1 p. Apr.1953. 1.9 F7625T

BLEW, J. O., and KULP, J. W. Comparison of wood preservatives in Mississippi post study (1953 progress report). U. S. Forest Serv. Forest Prod. Lab. Rpt. R1757,rev.,14 p. Mar.1953. 1.9 F761R

CONOVER, D. F. Effects of competition on red pine [Pinus resinosa] and white pine [Pinus strobus] reproduction. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 392,2 p. Apr.1953. 1.9 F7625T

CUNNINGHAM, R. N., and FINDELL, V. Resurgence of tamarack [Larix laricina] in Minnesota. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 397,2 p. Apr.1953. 1.9 F7625T

DUFFIELD, J. W., and RIGHTER, F. I. Annotated list of pine hybrids made at the Institute of Forest Genetics. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Notes 86,9 p. Ref. Apr.13, 1953. 1.9 F7626R

DUFFIELD, J. W. Pine pollen collection dates—annual and geographic variation. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Notes 85,9 p. Mar.3,1953. 1.9 F7626R

ERICKSEN, W. S. The distribution of stress in a wood pole bent by a radial end load. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1933,37 p. Feb.1953. 1.9 F761R

FOWELLS, H. A. Regeneration problems and research in California. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Misc. Paper 10,4 p. Mar.6,1953. 1.9622 C2M68

GUILKEY, P. C. Jack pine [Pinus banksiana] growth rates in Minnesota. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 394,1 p. Apr.1953. 1.9 F7625T

KLIPPLE, G. E. Weight gains made by range cattle while grazing summer ranges. U. S. Forest Serv. Rocky Mountain Forest & Range Expt. Sta. Res. Note 12, 2 p. Mar.1953. 1.9622 R2R313

KRYN, J. M. Annotated list of references on the preparation of wood for microscopic study. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1939,8 p. Feb.1953. 1.9 F761R

LARSON, R. W. The timber supply situation in Florida. Washington,U. S. Forest Serv. Forest Resource Rpt. 6,60 p. 1952. 1 F76Frr

MATHEWSON, J. S. Electrically operated wood-element hygrostats for control of moisture fluctuations in lumber stored in closed sheds. U. S. Forest Serv. Forest Prod. Lab. Rpt. R1140,rev.,10 p. Mar.1953. 1.9 F761R

MOESSNER, K. E. An aerial photo scale-protractor. U. S. Forest Serv. Cent. States Forest Expt. Sta. Notes 74,2 p. Apr.1953. 1.9 F76252S

NORRIS, C. B., and KOMMERS, W. J. Stresses within a rectangular, flat sandwich panel subjected to a uniformly distributed normal load and edgewise, direct, and shear loads. U. S. Forest Serv. Forest Prod. Lab. Rpt. 1838,17 p. Jan.1953. 1.9 F761R

PILLOW, M. Y., TERRELL, B. Z., and HILLER, C. H. Patterns of variation in fibril angles in loblolly pine [Pinus taeda]. U. S. Forest Serv. Forest Prod. Lab. Rpt. D1935,16 p. Feb.1953. 1.9 F761R

RALSTON, R. A. Time required to prune red pine to various heights. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 391,1 p. Apr.1953. 1.9 F7625T

RUDOLF, P. O. 1952 forest tree seed crop fair in Lake States. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 393,2 p. Apr.1953. 1.9 F7625T

SCHUBERT, G. H. A trial of three chemicals as rodent repellents in direct seeding. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Notes 84, 2 p. Ref. Feb.4,1953. 1.9 F7626R

STOECKELER, J. H. Lupines as a nursery soil improvement crop. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 395,1 p. Apr.1953. 1.9 F7625T

U. S. FOREST SERV. Annual statements, receipts, expenditures, investments, service and regional summaries, nursery and research unit summaries, fiscal year 1952. Washington,1952. 77 p. 1.962 A2An7

U. S. FOREST SERV. Forest Service summer home policy. Washington,1953. 2 p. 1.962 A2F764

U. S. FOREST SERV. Recreation use on national forests 1952. Washington,1953? 2 p. 1.9 F76Ru

U. S. FOREST SERV. LAKE STATES FOREST EXPERIMENT STATION. 29th annual report for the calendar year 1952. St. Paul,Minn.,1953? 43 p. 1.9 F7625l

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST EXPERIMENT STATION. Forest type classification for Pacific Northwest Region. Rev. Portland, Oreg.,1952. 33 p. 1.9622 P2F764

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST EXPERIMENT STATION. Summary statement on the 1952 blowdown-bark-beetle survey in the Douglas-fir region of Oregon and Washington. Portland,Oreg., 1952. 7 p. 1.9622 P2Su6

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. 1952 annual report. Does research pay? Fort Collins,1952. 64 p. 1.9 F7627A

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Forest statistics for Arkansas. A report of the Southern Forest Survey. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 71, 50 p. Mar.1953. 1.9 F7624F

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. 1952 annual report. New Orleans,1953? 116 p. 1.9 F7624

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Soil-moisture measurement with the fiberglas instrument. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 128,48 p. Feb.1953. 1.9 F7624O

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Timber volume by county in Arkansas, 1948-51. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 71(sup.),4 p. Mar.1953. 1.9 F7624F

U. S. FOREST SERV. SOUTHWESTERN FOREST AND RANGE EXPERIMENT STATION. Annual report, calendar year 1952. n.p.,1953? 65 p. 1.9 F7621

WESTVELD, M. Empirical yield tables for spruce-fir cut-over lands in the Northeast. U. S. Forest Serv. Noeast. Forest Expt. Sta. Paper 55,64 p. 1953. 1.9622 N2St22

HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Distribution of Bureau of Human Nutrition and Home Economics printed publications [1943-1952]. Washington,1952. 21 p. 1.982 A2D63

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. A partial list of recent publications related to food management in institutions. U. S. Bur. Human Nutr. & Home Econ. FE 991,rev.,10 p. 1953. 1.982 A2B472

U. S. BUR. OF HUMAN NUTRITION AND HOME ECONOMICS. Storage life of foods under household refrigeration. Beltsville?Md.,1953? 5 p. Ref. (HE-94-B) 1.982 A2St7

INFORMATION, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Officials of the U. S. Department of Agriculture. Rev. Washington,1953. 2 p. 1.914 A2C93

LIBRARY

FLICK, F. J. Forest research programs; a selected bibliography of United States literature. U. S. D. A. Libr. Libr. List 58,4 p. Apr.1953. 1.916 L612

PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

U. S. BUR. OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING. Remarks on classification and correlation of soils, by R. W. Simonson. Washington,1953. 4 p. 1.965 A2R28

PRODUCTION AND MARKETING ADMINISTRATION

PRICHARD, G. L. The fats and oils situation. Washington,U. S. Prod. & Mktg. Admin.,1953. 6 p. 1.956 F26P93
Address at the 1953 annual convention of the National Fisheries Institute, Washington, D. C., Apr. 14, 1953.

PRICHARD, G. L. Outlook for flaxseed and linseed oil, 1953. Washington,U. S. Prod. & Mktg. Admin., 1953. 8 p. 1.956 F26P93
Address at annual meeting of the Flax Institute of the United States, Minneapolis, Minn., Nov. 7, 1952.

U. S. PRODUCTION AND MARKETING ADMIN. The castor bean production and procurement program. Washington,1953. 7 p. 1.956 A2C27

U. S. PRODUCTION AND MARKETING ADMIN. Cotton ginning efficiency and costs in the Rio Grande and Pecos Valleys, seasons of 1949-50 and 1950-51, by W. H. Fortenberry and Z. M. Looney. Washington,1952. 45 p. 1.956 C82C8234

U. S. PRODUCTION AND MARKETING ADMIN. Cottonseed quality in the Far West, 1951-52, by J. H. Stevenson and M. E. Whitten. Washington,1952. 34 p. 1.956 C82C835

U. S. PRODUCTION AND MARKETING ADMIN. Dark air-cured tobacco market review, 1952-53 season. Washington,1953. 32 p. 1.9 Ec714T

U. S. PRODUCTION AND MARKETING ADMIN. Edible tree nuts: U. S. production and farm price, 1926 to date. Washington,1953. 1 p. 1.956 A2Ed4

U. S. PRODUCTION AND MARKETING ADMIN. The fertilizer situation for 1952-53, supplemental report, by L. G. Porter and M. M. Johnson. Washington,1953. 10 p. 1.9424 M2F41

U. S. PRODUCTION AND MARKETING ADMIN. Fire-cured tobacco market review, 1952-53 season. Washington,1953. 34 p. 1.9 Ec714T

U. S. PRODUCTION AND MARKETING ADMIN. Inspectors' instructions for inspection of frozen lima beans. Washington,1953. 22 p. 1.956 F94In749

U. S. PRODUCTION AND MARKETING ADMIN. Snap bean varieties; descriptions, names and synonyms. Washington,1953. 37 p. 1.956 G76Sn1

U. S. PRODUCTION AND MARKETING ADMIN. Sound grain fat acidity survey, 1952 crop. Washington, 1953. 17 p. 1.956 G76So8

U. S. PRODUCTION AND MARKETING ADMIN. United States standards for grades of canned sweet cherries. Washington,1953? 18 p. 1.9 Ec792Chs
These standards supersede the standards that have been in effect since May 15, 1940.

RURAL ELECTRIFICATION ADMINISTRATION

NORTHEAST AREA INTERIM FIELD CONFERENCE. Report. Washington, U. S. Rur. Elect. Admin., 1953. 15 p. 1.933 R2924

U. S. RURAL ELECTRIFICATION ADMIN. Status report; overvoltages on 14.4/24.9 kv systems. Washington,1953. 4 p. 1.933 St222

U. S. RURAL ELECTRIFICATION ADMIN. Supervisory conference, April, 1953. Washington,1953? 8 p. 1.933 Su722

U. S. RURAL ELECTRIFICATION ADMIN. Texas 85 Wise; field appraisal analysis. Washington, 1953. 11 p. 1.933 T312

SECRETARY, OFFICE OF

BENSON, E. T. The challenge—research. Washington,U. S. D. A.,Off. Sec.,1953. 17 p. 1.91 A2B44
Address before the National Institute of Animal Agriculture, West Lafayette, Ind., Apr. 21, 1953.

BENSON, E. T. Inherited problems. Washington,U. S. D. A.,Off. Sec.,1953. 18 p. 1.91 A2B44
Address before the National Farm Ranch Congress of the Denver Chamber of Commerce, Denver, Colo., Apr. 7, 1953.

BENSON, E. T. Legislative-executive relationships in the administration of programs as viewed by the executive. Washington,U. S. D. A.,Off. Sec.,1953. 14 p. 1.91 A2B44
Address before the Graduate School of the U. S. Department of Agriculture, Washington, D. C., Apr. 30, 1953.

BENSON, E. T. Our agricultural resources. Washington,U. S. D. A.,Off. Sec.,1953. 8 p. 1.91 A2B44
Remarks before annual meeting of the Chamber of Commerce of the United States, Apr. 29, 1953, Washington, D. C.

COKE, J. E. How food distributors benefit from USDA Marketing Educational Program. Washington, U. S. D. A. Off. Sec.,1953. 7 p. 1.91 A2C66
Talk at the meeting of the Agricultural and Forestry Committee of the New England Council, Boston, Mass., May 6, 1953.

MORSE, T. D. Agricultural progress. Washington,U. S. D. A.,Off. Sec.,1953. 12 p. 1.91 A2M83
Address before annual meeting, National Cheese Institute, Chicago, Ill., Apr. 28, 1953.

SOIL CONSERVATION SERVICE

BROWN, G. F. Development and management of tame pastures in the Northeast. Washington,U. S. Soil Conserv. Serv.,1953. 8 p. 1.96 Ad6Bro
Talk prepared for the meeting of the American Society of Range Management, Albuquerque, New Mexico, Jan. 20-22, 1953.

KELLOGG, C. E. The soil conservation job: the public's responsibility. Washington,U. S. Soil Conserv. Serv.,1953. 22 p. 1.965 S6K29
Address before the Farm Forum, Minneapolis, Minn., Mar. 17, 1953.

ROGERS, O. C., and others. Soil survey; Noble County, Indiana. U. S. Soil Conserv. Serv. Soil Survey 1940(8),127 p. Apr.1953. 1 So32F
P. T. Veale, S. Myers, J. E. Combs, and G. H. Robinson, joint authors.

SALTER, R. M. New frontiers in Southern agriculture. Washington,U. S. Soil Conserv. Serv.,1953. 16 p. 1.965 A2Sa3
Address at the Crimson Clover Festival, Winchester, Tenn., May 1, 1953.

SALTER, R. M. Wildlife and our soil conservation objectives. Washington,U. S. Soil Conserv. Serv., 1953. 8 p. 1.965 A2Sa3
Talk at the Eighteenth North American Wildlife Conference, Washington, D. C. Mar. 10, 1953.

U. S. SOIL CONSERVATION SERV. Proceedings, range specialist's meeting Albuquerque, New Mexico, January 17-18, 1953. Albuquerque?1953. 28 p. 1.96 Op2Pror

U. S. SOIL CONSERVATION SERV. INTERIM RESEARCH COMMITTEE. Report of Subcommittee on Irrigation. Washington,1952? 17 p. 1.96 R31Ri

U. S. SOIL CONSERVATION SERV. PACIFIC REGION. Land leveling for irrigation. Portland,Oreg., 1952. 4 p. 1.9609 L225

U. S. SOIL CONSERVATION SERV. UPPER MISSISSIPPI REGION. Contour plowing problem, where contour rows cross a waterway. U. S. Soil Conserv. Serv. Upper Miss. Region. JS-38,1 p.. Apr.1953. 1.9605 J11

WOODRUFF, N. P., and ZINGG, A. W. Wind-tunnel studies of fundamental problems related to windbreaks. U. S. Soil Conserv. Serv. SCS-TP-112,25 p. Ref. Aug.1952. 1.96 Ad6Tp

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Includes State Agricultural Experiment Station publications received in the library during the preceding month.

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

GARIN, G. I. Suggestions for pruning Southern pines. Ala. Agr. Expt. Sta. L. 35,7 p. Mar.1953. 100 AL1S

ALABAMA. AGRICULTURAL EXPERIMENT STATION. General fertilizer recommendations for Alabama. Ala. Agr. Expt. Sta. Spec. L.,16 p. Mar.1953. 100 AL1S

Arizona Agricultural Experiment Station, Tucson

HUMPHREY, R. R. Forage production on Arizona ranges. III. Mohave County; a study in range condition. Ariz. Agr. Expt. Sta. B. 244,79 p. Feb.1953. 100 Ar4

REHNBERG, R. D. The cost of pumping irrigation water, Pinal County, 1951. Ariz. Agr. Expt. Sta. B. 246,27 p. Jan.1953. 100 Ar4

ARIZONA. AGRICULTURAL EXPERIMENT STATION. Seventh annual report, economic poisons. Ariz. Agr. Expt. Sta. Spec. B.,76 p. Apr.1953. 100 Ar4A

California Agricultural Experiment Station, Berkeley

ALLARD, R. W. Production of dry edible lima beans in California. Calif. Agr. Expt. Sta. C. 423,27 p. Mar.1953. 100 C12S

JOHNSTON, J. C. Citrus growing in California. Calif. Agr. Expt. Sta. C. 426,43 p. Ref. Apr.1953. 100 C12S
Supersedes Circular 114.

CALIFORNIA. AGRICULTURAL EXPERIMENT STATION. Agricultural publications, January 1953. Berkeley,1953. 34 p. 100 C12Li

CALIFORNIA agriculture 7(3),16 p.; (4),16 p. Mar.-Apr.1953. 100 C12Cag

Colorado Agricultural Experiment Station, Fort Collins

CRECINK, J. C., and BURDICK, R. T. Farm rental arrangements, Northeastern Colorado irrigated area. Colo. Agr. Expt. Sta. B. 424-A,53 p. Mar.1953. 275.29 C71E

COLORADO farm and home research 3(6),17 p. Mar./Apr.1953. 100 C712Co

Connecticut (State) Agricultural Experiment Station, New Haven

PLUMB, G. H. The formation and development of the Norway spruce gall caused by Adelges abietis L. Conn. (State) Agr. Expt. Sta. B. 566,77 p. Ref. Jan.1953. 100 C76St

GARMAN, P. A study of spray machines in Connecticut orchards. Conn. (State) Agr. Expt. Sta. B. 567,34 p. Ref. Feb.1953. 100 C76St

SCHREAD, J. C. Control of the andromeda lace bug [Stephanitis globulifera] and the holly leaf miner [Phytomyza ilicis]. Conn. (State) Agr. Expt. Sta. B. 568, 13 p. Mar.1953. 100 C76St

Connecticut (Storrs) Agricultural Experiment Station, Storrs

BURNIGHT, R. G., and WHETTEN, N. L. Studies in the population of Connecticut. 1. Population growth, 1900-1950. Conn. (Storrs) Agr. Expt. Sta. B. 288, 48 p. July 1952. 100 C76S

Florida Agricultural Experiment Station, Gainesville

CLARK, F. Fertilizer tests with flue-cured tobacco. Fla. Agr. Expt. Sta. B. 512,27 p. Jan.1953. 100 F66S

Georgia Agricultural Experiment Station, Experiment

PENNY, N. M. Economic aspects of peanut marketing. Ga. Agr. Expt. Sta. B. 273,50 p. July 1952. 100 G29S

GEORGIA. AGRICULTURAL EXPERIMENT STATION. Money makers. Ga. Agr. Expt. Sta. Prog. Rpt. 1,16 p. Dec.1952. 100 G293

GEORGIA. AGRICULTURAL EXPERIMENT STATION. 1952 variety performance trials of field crops. Experiment,1953. 34 p. Feb.1953. 64.9 G29

RESEARCH news 4(1),4 p. Apr.1953. 100 G29R

Georgia Coastal Plain Experiment Station, Tifton

BURTON, G. W., and others. Winter grazing in the Georgia Coastal Plain. Ga. Coastal Plain Expt. Sta. B. 47,rev.,41 p. Aug.1952. 100 G292
J. L. Stephens, B. L. Southwell, and S. A. Parham, joint authors.

GEORGIA COASTAL PLAIN EXPERIMENT STATION. Recommendations for planting Bermuda grass on highway projects. Ga. Coastal Plain Expt. Sta. Mimeog. Paper 79,2 p. Mar.1953. 100 G292M

BURTON, G. W., and DE VANE, E. H. Suwannee Bermuda grass for deep sands. Ga. Coastal Plain Expt. Sta. Mimeog. Paper 80,1 p. Mar.1953. 100 G292M

Hawaii Agricultural Experiment Station, Honolulu

NAKASONE, H. Y. Ornamental hibiscus, its propagation and culture. Hawaii. Agr. Expt. Sta. C. 37, 14 p. Mar.1953. 100 H313

KAMEMOTO, H., and NAKASONE, H. Y. Controlling Chrysanthemum flowering by altering day-length. Hawaii. Agr. Expt. Sta. C. 38,11 p. Mar.1953. 100 H313

CHANG, A. T., and SHERMAN, G. D. The nickel content of some Hawaiian soils and plants and the relation of nickel to plant growth. Hawaii. Agr. Expt. Sta. Tech. B. 19,25 p. Ref. Mar.1953. 100 H313T

HAWAII AGRICULTURAL EXPERIMENT STATION. Report for the biennium ending June 30, 1952. Honolulu,1953. 74 p. 100 H313

HAWAII farm science 1(5),8 p. Apr.1953. 100 H314

Idaho Agricultural Experiment Station, Moscow

JOHNSON, R. F., RINEHART, E. F., and HICKMAN, C. W. Potato silage for beef steers. Idaho. Agr. Expt. Sta. B. 293,7 p. Mar.1953. 100 Id1

Illinois Agricultural Experiment Station, Urbana

BURGENER, M. L., and CARTER, D. G. Durability of paints on weathered galvanized roofing. Ill. Agr. Expt. Sta. B. 565,16 p. Mar.1953. 100 IL6S

BOGGESS, W. R., and MCMILLAN, F. W. Growth and second thinning yields in a 16-year-old shortleaf pine plantation in southern Illinois. Ill. Agr. Expt. Sta. Forestry Note 35,4 p. Apr.17,1953. 99.9 IL62

BOGGESS, W. R., and MCMILLAN, F. W. First thinning yields from a 15-year-old shortleaf pine plantation in southern Illinois. Ill. Agr. Expt. Sta. Forestry Note 36,2 p. Apr.15,1953. 99.9 IL62

Indiana Agricultural Experiment Station, Lafayette

ULLSTRUP, A. J. Leaf blights of corn. Ind. Agr. Expt. Sta. B. 572,23 p. Mar.1952. 100 In2P

OHLROGGE, A. J. The Purdue soil and plant tissue tests. Ind. Agr. Expt. Sta. B. 584,26 p. Dec.1952. 100 In2P

BARBER, S. A. Boron deficiency in Indiana soils. Ind. Agr. Expt. Sta. C. 387,2 p. Mar.1953. 100 In2P

INDIANA AGRICULTURAL EXPERIMENT STATION. Inspection of agricultural seeds. Ind. Agr. Expt. Sta. C. 388,80 p. Nov.1952. 100 In2P

CRANE, P. L., NEWMAN, J. E., and MILES, S. R. Performance of corn hybrids in Indiana through 1952. Ind. Agr. Expt. Sta. C. 389,32 p. Dec.1952. 100 In2P

INDIANA. AGRICULTURAL EXPERIMENT STATION. Thirty-eighth annual report, Creamery License Division, for the year ending March 31, 1952. Ind. Agr. Expt. Sta. C. 390,15 p. Nov.1952. 100 In2P

CALDWELL, R. M., and others. Small grain varieties for Indiana. Ind. Agr. Expt. Sta. C. 391,4 p. Feb.1953. 100 In2P

K. E. Beeson, L. E. Compton, H. R. Lathrope, R. R. Mulvey, J. E. Newman, F. L. Patterson, and J. F. Schafer, joint authors.

NELSON, O. E. Hybrid popcorn performance tests—1951. Ind. Agr. Expt. Sta. Mimeo BP-45,rev.,8 p. 1952. 100 In2B

SMITH, G. M. Sweet corn performance tests 1951. Ind. Agr. Expt. Sta. Mimeo BP-50,16 p. Feb.1952. 100 In2B

OYER, E. B., DANIELS, W. H., and LEE, O. C. Crabgrass control in lawns. Ind. Agr. Expt. Sta. Mimeo BP-51,2 p. Mar.1952. 100 In2B

ATHOW, K. L., and PROBST, A. H. Indiana soybean disease survey 1952. Ind. Agr. Expt. Sta. Mimeo BP-52,8 p. Aug.1952. 100 In2B

SMITH, G. M. Sweet corn performance tests, 1952. Ind. Agr. Expt. Sta. Mimeo BP-54,20 p. Jan.26, 1953. 100 In2B

SMITH, G. M. Release of white sweet corn inbreds 81-1 and 471-U6. Ind. Agr. Expt. Sta. Mimeo BP-55,2 p. Feb.1953. 100 In2B

Iowa Agricultural Experiment Station, Ames

TIMMONS, J. F., and O'BYRNE, J. C. Transferring farm property within families in Iowa. Iowa. Agr. Expt. Sta. Res. B. 394:143-220. Ref. Feb.1953. 100 Io9

DOUGLAS, E. The structure of the Iowa retail lumber industry. Iowa. Agr. Expt. Sta. Res. B. 395:222-292. Ref. Mar.1953. 100 Io9

WASSOM, C. E., and KALTON, R. R. Estimations of optimum plot size using data from bromegrass [Bromus] uniformity trials. Iowa. Agr. Expt. Sta. Res. B. 396:295-320. Ref. Mar.1953. 100 Io9

Kansas Agricultural Experiment Station, Manhattan

DUITSMAN, W. W., and KESSLER, F. B. Beef cattle feeding and breeding investigations for 1952-53. Kans. Agr. Expt. Sta. C. 298,15 p. Apr.24,1953. 100 K13S

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

GILE, B. M., and QUINN, O. B. Farmers' cooperative credit institutions in Louisiana. La. Agr. Expt. Sta. B. 470,24 p. Nov.1952. 100 L93

CASSO, H. J., and WOODIN, M. D. Marketing practices of livestock producers in Louisiana. La. Agr. Expt. Sta. B. 471,18 p. Mar.1953. 100 L93

ATKINS, J. G., and others. Fungicide tests on fall cucumbers in Louisiana, 1938-1951. La. Agr. Expt. Sta. B. 472,15 p. Mar.1953. 100 L93

A. G. Plakidas, W. F. Wilson, F. J. LeBeau, and N. L. Horn, joint authors.

Maine Agricultural Experiment Station, Orono

MURPHY, E. F. Vitamin C content of Maine rutabagas. Maine. Agr. Expt. Sta. B. 508,16 p. Ref. Jan.1953. 100 M28S

HEYWOOD, E. F. Harvesting and marketing Maine lettuce. Maine. Agr. Expt. Sta. B. 510,30 p. Feb. 1953. 100 M28S

BONDE, R., and SCHULTZ, E. S. Purple-top wilt and similar diseases of the potato. Maine. Agr. Expt. Sta. B. 511,30 p. Ref. Feb.1953. 100 M28S

MAINE. AGRICULTURAL EXPERIMENT STATION. Blueberry tax progress report, research and extension work. Maine. Agr. Expt. Sta. Misc. P. 622,16 p. Mar.1953. 100 M28S

MAINE. AGRICULTURAL EXPERIMENT STATION. Commercial agricultural and vegetable seeds, 1952, economic poisons, 1952. Maine. Agr. Expt. Sta. Off. Insp. 226,31 p. Dec.1952. 100 M28S

Massachusetts Agricultural Experiment Station, Amherst

MASSACHUSETTS AGRICULTURAL EXPERIMENT STATION. Seed inspection for the season of 1952. Mass. Agr. Expt. Sta. Control Ser. B. 155,28 p. Dec.1952. 100 M38H

PFLUG, I. J. Meteorological observations for March 1953. Mass. Agr. Expt. Sta. Met. Ser. B. 771,4 p. Mar.1953. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

HOGLUND, C. R. Economy of improved production practices on specialized dairy farms in southeastern Michigan. Mich. Agr. Expt. Sta. Ag. Econ. 491, 54 p. Apr.1952. 281.9 M586

Management.

KNIGHT, W. R. Wholesale flower prices and market reporting. Mich. Agr. Expt. Sta. Ag. Econ. 507, 42 p. May 1952. 281.9 M586

Minnesota Agricultural Experiment Station, University Farm, St. Paul

MCDANIEL, W. E., and POND, G. A. Changes in the dairy farming picture; their effect on farmers' earnings at various price levels. Minn. Agr. Expt. Sta. B. 416,20 p. Jan.1953. 100 M66

RINKE, E. H., JOACHIM, G., and OLMEIM, N. C. Maturity ratings of corn hybrids in Minnesota, 1952-53. Minn. Agr. Expt. Sta. Misc. Rpt. 17,12 p. Mar. 1953. 100 M66

MARTINEZ, L. M., AUSEMUS, E. R., and BURNHAM, C. R. Inheritance of reaction to leaf rust, Puccinia rubigo-vera tritici (Erikss.) Carleton, and of certain other characters in a wheat cross. Minn. Agr. Expt. Sta. Tech. B. 205,35 p. Ref. Apr.1953. 100 M66

MINNESOTA. AGRICULTURAL EXPERIMENT STATION. Fifty-ninth annual report, July 1, 1951, to June 30, 1952. St. Paul,1952? 43 p. 100 M66

MINNESOTA farm and home science 10(3),20 p. May 1953. 100 M668

Mississippi Agricultural Experiment Station, State College

MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. Crop response to irrigation in Mississippi. Miss. Agr. Expt. Sta. C. 180,12 p. Mar.1953. 100 M69

DICKERSON, R., GRISSOM, P., and RANEY, W. A. The selection and use of irrigation equipment for Mississippi. Miss. Agr. Expt. Sta. C. 181,14 p. Mar.1953. 100 M69

CAMPBELL, J. A. Irrigation for vegetable crops. Miss. Agr. Expt. Sta. C. 182,8 p. Mar.1953. 100 M69

PAYNE, R., and FANELLI, A. A. Community organizations in Mississippi. Miss. Agr. Expt. Sta. C. 183,11 p. Apr.1953. 100 M69

DICKINS, D. Cornmeal enrichment. Miss. Agr. Expt. Sta. C. 184,6 p. Apr.1953. 100 M69

HARRISON, R. W. Drainage reclamation in the Yazoo-Mississippi Delta, a drainage handbook. Miss. Agr. Expt. Sta. M. R. 9,260 p. July 1952. 100 M69Mr

MEEK, W. E., and WILLIAMSON, E. B. Cross-plowing of cotton. Miss. Agr. Expt. Sta. Serv. Sheet 423,2 p. Apr.1952. 100 M69

KERN, E. E. A study of the supply and utilization of milk in Mississippi. Miss. Agr. Expt. Sta. Tech. B. 35,34 p. Feb.1953. 100 M69

MISSISSIPPI farm research 16(4),8 p;(5),8 p. Apr.-May 1953. 100 M69Mi

Missouri Agricultural Experiment Station, Columbia

KLEMME, A. W., and ALBRECHT, W. A. Correcting soil deficiencies for more and better forage from permanent pastures. Mo. Agr. Expt. Sta. B. 582, 32 p. June 1952. 100 M693

GREGORY, K. E., and DICKERSON, G. E. Influence of heterosis and plane of nutrition on rate and economy of gains, digestion and carcass composition of pigs. Mo. Agr. Expt. Sta. Res. B. 493,48 p. Apr.1952. 100 M693

GINTER, A., and BLUE, B. A study of curtain marquisettes. Mo. Agr. Expt. Sta. Res. B. 495,35 p. Apr.1952. 100 M693

MCLANE, S. R., and MURNEEK, A. E. The detection of syngamin, an indigenous plant hormone, by culture of immature corn embryos. Mo. Agr. Expt. Sta. Res. B. 496,91 p. Ref. Apr.1952. 100 M693

KIBLER, H. H., and BRODY, S. Environmental physiology with special reference to domestic animals. XIX. Relative efficiency of surface evaporative, respiratory evaporative, and non-evaporative cooling in relation to heat production in Jersey, Holstein, Brown Swiss and Brahman cattle, 5° to 105° F. Mo. Agr. Expt. Sta. Res. B. 497,31 p. June 1952. 100 M693

NYE, I. The relationship of certain factors to county agent success. Mo. Agr. Expt. Sta. Res. B. 498, 43 p. June 1952. 100 M693

MISSOURI. AGRICULTURAL EXPERIMENT STATION. Available research bulletins. Mo. Agr. Expt. Sta. Serv. C. 148,4 p. Feb.1952. 100 M693Se

New Hampshire Agricultural Experiment Station, Durham

DOUGHERTY, L. A., CHARLES, T. B., and ATWOOD, A. M. Marketing New Hampshire hatching eggs. N. H. Agr. Expt. Sta. B. 392,23 p. July 1952. 100 N45

BOWRING, J. R., and WALLACE, W. H. Expansion opportunities for the New Hampshire poultry meat industry. I. The competitive position of the industry. N. H. Agr. Expt. Sta. B. 395,15 p. July 1952. 100 N45

New Jersey Agricultural Experiment Station, New Brunswick

CARNCROSS, J. W. Dairy production and price trends in New Jersey. N. J. Agr. Expt. Sta. A. E. 136, 8 p. 1952? 281.9 R93

CARNCROSS, J. W. Dairy production and price trends in New Jersey. N. J. Agr. Expt. Sta. A. E. 142, 7 p. 1953? 281.9 R93

CARNCROSS, J. W. Price trends for New Jersey farmers. N. J. Agr. Expt. Sta. A. E. 143,7 p. Jan. 1952. 281.9 R93

CARNCROSS, J. W. Production and price trends of tomatoes for processing. Truck crops for processing. N. J. Agr. Expt. Sta. A. E. 144,16 p. Jan. 1952. 281.9 R93

CARNCROSS, J. W. Production and price trends for asparagus for processing. Total acreage of asparagus in the United States, New Jersey and California. N. J. Agr. Expt. Sta. A. E. 145,9 p. Jan.1952. 281.9 R93

CARNCROSS, J. W. Value of crops produced in New Jersey in 1951. N. J. Agr. Expt. Sta. A. E. 149, 1 p. July 1952. 281.9 R93

CARNCROSS, J. W. Cash receipts from farm marketings by commodities, New Jersey, 1951. N. J. Agr. Expt. Sta. A. E. 150,1 p. Oct.1952. 281.9 R93

CARNCROSS, J. W. Commercial truck crops for fresh market in New Jersey. N. J. Agr. Expt. Sta. A. E. 151,2 p. Dec.1952. 281.9 R93

CARNCROSS, J. W. Production and price trends of tomatoes for processing. Trend in total production and price of tomatoes for processing in New Jersey. N. J. Agr. Expt. Sta. A. E. 152,11 p. Jan.1953. 281.9 R93

CARNCROSS, J. W. Production and price trends of asparagus for processing. Total acreage of asparagus in the United States, New Jersey and California. N. J. Agr. Expt. Sta. A. E. 153,9 p. Jan.1953. 281.9 R93

CARNCROSS, J. W. Acreage, production, yield, price and value of vegetables for processing in New Jersey. N. J. Agr. Expt. Sta. A. E. 154,6 p. Jan.1953. 281.9 R93

DARROW, G. M., SCOTT, D. H., and GALLETTA, G. J. New blueberry varieties for New Jersey. N. J. Agr. Expt. Sta. B. 767,8 p. Dec.1952. 100 N46S

ENGEL, R. E., and AHLGREN, G. H. Making a new lawn. N. J. Agr. Expt. Sta. C. 553,4 p. Apr.1953. 100 N46S

New Mexico Agricultural Experiment Station, State College

NEALE, P. E. Alfalfa cubes for fattening lambs and wethers. N. Mex. Agr. Expt. Sta. B. 375,17 p. Apr.1953. 100 N465

NEALE, P. E., and MCFADDEN, W. D. A comparison of relative values of fine ram and ewe wool. N. Mex. Agr. Expt. Sta. Press B. 1082,5 p. Apr.1953. 100 N465

LEDING, A. R., and COTTON, J. R. Spacing experiments with American-Egyptian cotton in New Mexico. N. Mex. Agr. Expt. Sta. Press B. 1083,4 p. Apr.1953. 100 N465

NEALE, P. E., and MCFADDEN, W. D. Processing of off-sorts and low quality, high shrinking wools. N. Mex. Agr. Expt. Sta. Press B. 1084,3 p. Apr. 1953. 100 N465

New York (Cornell) Agricultural Experiment Station, Ithaca

MILLER, J. I., and MORRISON, F. B. Use of pasture for fattening steers, comparison of certain feeding and management methods. N. Y. (Cornell) Agr. Expt. Sta. B. 890,35 p. Mar.1953. 100 N48C

New York (State) Agricultural Experiment Station, Geneva

FARM research 19(2),16 p. Apr.1953. 100 N48A

North Carolina Agricultural Experiment Station State College Station Raleigh

GILES, G. W. The need for tobacco harvesting mechanization. N. C. Agr. Expt. Sta. Inform. C. 8,13 p. May 1953. 58.9 N812

RESEARCH and farming. Progress report 10(3),15 p. Winter 1952. 100 N81R

North Dakota Agricultural Experiment Station, State College Station, Fargo

DOUGLAS, R. J., and CONLON, T. J. Tillage and crop rotation methods for southwestern North Dakota. N. Dak. Agr. Expt. Sta. B. 381,11 p. Apr.1953. 100 N813

BIMONTHLY bulletin 15:187-231. May/June 1953. 100 N813B

Ohio Agricultural Experiment Station, Wooster

SHERMAN, R. W., GOULD, W. A., and SHARP, J. W. Price-quality relationship of frozen and canned foods. Ohio. Agr. Expt. Sta. Res. B. 716,43 p. Feb.1953. 100 Oh3S

CUTRIGHT, C. R. Grower control of the codling moth [Carpocapsa pomonella], a five year study of field practices. Ohio. Agr. Expt. Sta. Res. B. 720,53 p. Apr.1953. 100 Oh3S

BAKER, R. H., and BAILEY, R. A. Easier ways of handling ground feed on the farm. Ohio. Agr. Expt. Sta. Res. B. 724,31 p. Apr.1953. 100 Oh3S

ROBISON, W. L. Vitamin B-12 supplements for growing and fattening pigs. Ohio. Agr. Expt. Sta. Res. B. 729,19 p. Ref. Apr.1953. 100 Oh3S

PRATT, A. D., and MONROE, C. F. Expeller vs. solvent process linseed oil meal for milking cows. Ohio. Agr. Expt. Sta. Res. B. 731,18 p. Ref. Apr.1953. 100 Oh3S

WILSON, J. D. Wettable powder versus tank-mix dithiocarbamates on potatoes and tomatoes in Ohio. Ohio. Agr. Expt. Sta. Res. C. 9,22 p. Ref. Apr.1953. 100 Oh3R

PERKINS, A. E., PRATT, A. D., and ROGERS, C. F. Silage densities and losses as found in laboratory silos. Ohio. Agr. Expt. Sta. Res. C. 18,16 p. Apr.1953. 100 Oh3R

GOULD, W. A., and others. Evaluation of yellow sweet corn varieties for processing. Ohio. Agr. Expt. Sta. Res. C. 19,32 p. Ref. Apr.1953. 100 Oh3R
F. E. Johnstone, H. D. Brown, F. A. Krantz, R. Davis, J. Mavis, E. A. Carroll, and N. Cooper, joint authors.

Oklahoma Agricultural Experiment Station, Stillwater

THAYER, R. H., and DAVIS, J. P. B-complex vitamin allowances for Oklahoma broiler rations. Okla. Agr. Expt. Sta. B. B-393,11 p. Ref. Mar.1953. 100 Ok4

GODFREY, G. F., and THOMPSON, R. B. Silver Oklabars, their origin and present development. Okla. Agr. Expt. Sta. B. B-394,8 p. Mar.1953. 100 Ok4

SCHOENLEBER, L. G., and TAYLOR, W. E. A two-row castor bean harvester. Okla. Agr. Expt. Sta. B. B-395,11 p. Apr.1953. 100 Ok4

MORRIS, E. Calcium-firming summer apples; processing methods. Okla. Agr. Expt. Sta. B. B-396,21 p. Apr.1953. 100 Ok4

ELDER, W. C., PORTERFIELD, J. G., and DREESSEN, J. Chemical control of weeds in cotton. Okla. Agr. Expt. Sta. B. B-397,11 p. Apr.1953. 100 Ok4

JOHNSON, P. E., and OLSON, H. C. Studies in the manufacture of a concentrated ice cream mix. Okla. Agr. Expt. Sta. Manuscript. Rpt. Abs. 8,2 p. Apr.1953. 100 Ok4Ma

ELWELL, H. M. Experiments on brush control of hardwoods for grass production. Red Plains Conservation Experiment Station; progress report, 1953. Okla. Agr. Expt. Sta. Mimeog. C. M-240,8 p. Jan.1953. 100 Ok4M

ELDER, W. C., and DREESSEN, J. Chemical control of brush in Oklahoma.. Okla. Agr. Expt. Sta. Mimeog. C. M-242,6 p. Feb.1953. 100 Ok4M

OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Planter boxes recommended for planting castor beans. Okla. Agr. Expt. Sta. Mimeog. C. M-243, 5 p. Feb.1953. 100 Ok4M

GREEN, J. M., and others. Cotton variety tests results, 1952. Okla. Agr. Expt. Sta. Mimeog. C. M-341, 10 p. Jan.1953. 100 Ok4M
G. A. Niles, E. S. Oswalt, and N. M. Gober, joint authors

OKLAHOMA. AGRICULTURAL EXPERIMENT STATION. Oklahoma farm fitted poultry range shelter. Okla. Agr. Expt. Sta. Plan 18,8 p.-folder. Apr.1953. 296.9 Ok4

OKLAHOMA farm research flashes. May 1953. 6 p. 100 Ok4F

Oregon Agricultural Experiment Station, Corvallis

BROWN, E. E., and JONES, S. C. The lesser apple worm [Grapholitha prunivora] and its control in northeastern Oregon, a progress report. Oreg. Agr. Expt. Sta. C. Inform. 521,6 p. Feb.1953. 100 Cr3C

MORRISON, H. E., and CROWELL, H. H. Control of insect pests of potato tubers. Oreg. Agr. Expt. Sta. C. Inform. 523,5 p. Feb.1953. 100 Or3C

ROSENSTIEL, R. G. Control of the orange tortrix [Argyrotaenia citrana]. Oreg. Agr. Expt. Sta. C. Inform. 524,3 p. Feb.1953. 100 Or3C
Supersedes Circular of Information 426.

WILSTER, G. H., and JARVIS, K. A. Good flavored milk, a program for producer and processor. Oreg. Agr. Expt. Sta. C. Inform. 525,14 p. Feb.1953. 100 Or3C

MACKEY, A. O., and LARSEN, L. Chocolate cake for the freezer. Oreg. Agr. Expt. Sta. C. Inform. 526,5 p. Mar.1953. 100 Or3C

CROPSEY, M. G. Three large reach-in freezers you can build. Oreg. Agr. Expt. Sta. C. Inform. 527,10 p. Apr.1953. 100 Or3C

ANDERSON, C. L., and PARKER, J. E. Growth and feed consumption of broiler chickens. Oreg. Agr. Expt. Sta. C. Inform. 528,6 p. Apr.1953. 100 Or3C

Pennsylvania Agricultural Experiment Station, State College

BECKER, C. A. Egg marketing by retail stores in Pennsylvania. Pa. Agr. Expt. Sta. B. 561,50 p. Jan. 1953. 100 P381

BARR, W. L., and THOMAS, D. W. Irrigation on Pennsylvania farms. Pa. Agr. Expt. Sta. B. 562,30 p. Jan.1953. 100 P381

DENNETT, R. K., and LARSON, R. E. Inheritance of fruit shape, locule number and stem color in derivatives of a hybrid of Lycopersicon esculentum and Lycopersicon peruvianum. Pa. Agr. Expt. Sta. B. 563, 30 p. Ref. Feb.1953. 100 P381

LEE, W. A., and BIRD, K. M. Economic aspects of the frozen food locker industry in Pennsylvania, fiscal year 1949. Pa. Agr. Expt. Sta. Prog. Rpt. 90,11 p. Dec.1952. 100 P381P

GOBBLE, J. L., and MILLER, R. C. Soft phosphate with colloidal clay in rations for swine. Pa. Agr. Expt. Sta. Prog. Rpt. 93,4 p. Feb.1953. 100 P381P

COX, J. A., and FLEMING, H. K. Effect of certain sprays on growth and yield of Concord grapes. Pa. Agr. Expt. Sta. Prog. Rpt. 94,6 p. Mar.1953. 100 P381P

FLEMING, H. K. 1952 strawberry variety trials in Erie County, Pennsylvania. Pa. Agr. Expt. Sta. Prog. Rpt. 95,4 p. Mar.1953. 100 P381P

COWAN, R. L., BRATZLER, J. W., and SWIFT, R. W. Grass silage preservation with sodium bisulfite. Pa. Agr. Expt. Sta. Prog. Rpt. 99,10 p. Apr.1953. 100 P381P

Rhode Island Agricultural Experiment Station, Kingston

RESEARCH 3(3):26-35. Winter 1952. 100 R34R

South Carolina Agricultural Experiment Station, Clemson

MOSER, A. M. Use of food by farm families in the tobacco farming area of South Carolina. S. C. Agr. Expt. Sta. B. 402,61 p. Mar.1953. 100 So8

ALBERT, W. B., POWERS, M. R., and BLAND, H. E. Supplementary recommendations and information for chemical weed control in cotton for 1953. S. C. Agr. Expt. Sta. C. 90,2 p. Mar.1953. 100 So8

Tennessee Agricultural Experiment Station, Knoxville

TENNESSEE. AGRICULTURAL EXPERIMENT STATION. Tennessee farm and home science. Progress report No. 5,12 p. Jan./Mar.1953. 100 T25F

Texas Agricultural Experiment Station, College Station

HALL, W. C., TRUCHELUT, G. B., and LANE, H. C. Chemical defoliation and regrowth inhibition in cotton. Tex. Agr. Expt. Sta. B. 759,25 p. Ref. Mar.1953. 100 T31S

ATKINS, I. M. Cordova barley. Tex. Agr. Expt Sta. B. 760,9 p. Mar.1953. 100 T31S

TIPPIT, O. J., and JONES, J. H. Soil conservation management system for beef production in the Blacklands of Texas. Tex. Agr. Expt. Sta. Misc. P. 90,4 p. Mar.1953. 100 T31M

WOLTERS, F. A., and others. Slaughter calf production in the Brazos Valley near College Station. Tex. Agr. Expt. Sta. Prog. Rpt. 1568,4 p. Mar.1953. 100 T31P
W. G. Wilson, J. E. Roberts, and J. H. Jones, joint authors.

ROBERTS, J. E., and KILLOUGH, D. T. Cotton variety tests, Brazos River Valley Laboratory, 1948-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1569,5 p. Apr. 4,1953. 100 T31P

JONES, J. H., and others. Urinary calculi in fattening steers, 1951-52. Tex. Agr. Expt. Sta. Prog. Rpt. 1570,5 p. Apr.6,1953. 100 T31P

F. E. Keating, N. R. Ellis, and H. R. Crookshank, joint authors.

POOLE, D. D., and VAN HORN, D. L. Castor bean production and variety trials in Texas, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1571,4 p. Apr.13,1953. 100 T31P

DAVIS, S. P., and GABBARD, L. P. Quality-price relationships of graded and ungraded wool, 1952. Tex. Agr. Expt. Sta. Prog. Rpt. 1572,4 p. Apr.17,1953. 100 T31P

CHERRY, R. G., and GABBARD, L. P. Texas farm and ranch real estate taxes in the postwar period. Tex. Agr. Expt. Sta. Prog. Rpt. 1573,2 p. Apr. 17,1953. 100 T31P

PARNELL, E. D., and others. Storage tests on frozen fryers packed with and without water. Tex. Agr. Expt. Sta. Prog. Rpt. 1574,9 p. Apr.18,1953. 100 T31P

O. D. Butler, S. Cover, and W. H. Smith, joint authors.

ATKINS, I. M., RIVERS, G. W., and HOLEKAMP, R. G. Variety tests of small grain on the Edwards Plateau of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1575,4 p. Apr.19,1953. 100 T31P

WOOD, J. R., and others. Effect of source of phosphate on forage yields of pasture vegetation. Tex. Agr. Expt. Sta. Prog. Rpt. 1576,2 p. Apr.30,1953. 100 T31P

C. A. Burleson, R. P. Bates, and E. D. Cook, joint authors.

ATKINS, I. M., and GARDENHIRE, J. H. Varieties of small grain for North Central Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 1578,4 p. May 1,1953. 100 T31P

DUDLEY, D. I. Buffalograss [Buchloe dactyloides]. Tex. Agr. Expt. Sta. Prog. Rpt. 1579,3 p. May 1, 1953. 100 T31P

Utah Agricultural Experiment Station, Logan

MCCOMB, D., and KNOWLTON, G. F. Utah records of insect enemies of Western forests. Utah. Agr. Expt. Sta. Mimeog. Ser. 398,5 p. May 8,1953. 100 Ut1Mi

KNOWLTON, G. F., and HANSON, W. J. Celery field insects of Utah. II. Utah. Agr. Expt. Sta. Mimeog. Ser. 399,10 p. May 1953. 100 Ut1Mi

Virginia Agricultural Experiment Station, Blacksburg

PATTESON, G. W., FULTON, Z. M. K., and HARRIS, A. J. Economic land classification Prince George County. Va. Agr. Expt. Sta. B. 460,20 p. Mar. 1953. 100 V81S

Washington Agricultural Experiment Station, Pullman

SLOCUM, W. L. Adjustment of veteran trainees to farming and rural life. Wash. Agr. Expt. Sta. B. 541,24 p. Apr.1953. 100 W27E

JACQUOT, H. D. Annual cropping with nitrogen in the intermediate rainfall areas of eastern Washington. Wash. Agr. Expt. Sta. C. 214,21 p. Mar.1953. 100 W27S

West Virginia Agricultural Experiment Station, Morgantown

WEST VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Science serves your farm. W. Va. Agr. Expt. Sta. B. 357(3),8 p. Mar.1953. 100 W52

ARMENTROUT, W. W., and HAYGOOD, T. F. Property tax assessment in West Virginia. W. Va. Agr. Expt. Sta. B. 358,68 p. Mar.1953. 100 W52

BARNETT, H. L. Isolation and identification of the oak wilt fungus. W. Va. Agr. Expt. Sta. B. 359T,15 p. Apr.1953. 100 W52

Wyoming Agricultural Experiment Station, Laramie

TOMPKIN, J. R., BROCK, G., and PETZOLDT, P. Riverton/Shoshone settlers; an economic study. Wyo. Agr. Expt. Sta. B. 323,46 p. Apr.1953. 100 W99

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month.

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

ALASKA University (Divisions of Agriculture and Home Economics) Extension Service, College

JOHNSON, H. A. Family farm agreements for Alaska. Alaska. U. Agr. Ext. B. 100,rev.,20 p. Ref. Mar. 1953. 275.29 AL13Eb

ALASKA. UNIVERSITY. DIV. OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Braided rugs. Alaska. U. Agr. Ext. B. A-2,5 p. Mar. 1953. 275.29 AL13B

FOHN-HANSEN, L. Homemade fun for Christmas. Alaska. U. Agr. Ext. B. D-1,26 p. Nov.1952. 275.29 AL13B

ALASKA. UNIVERSITY. DIV. OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Rhubarb, cultivation, food value, preservation, 32 recipes. Alaska. U. Agr. Ext. B. F-22,8 p. Feb.1953. 275.29 AL13B

ALASKA UNIVERSITY. DIV. OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Vegetable varieties for Alaska 1953. Alaska U. Agr. Ext. C. 450,3 p. Mar.1953. 275.29 AL13Ex

CALIFORNIA University, College of Agriculture, Agricultural Extension Service, Berkeley

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. For your final spurt of growth, by M. Sniffen and H. Faust. Berkeley?1952. 19 p. 275.2 C12For

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. 1952 Sonoma County poultry egg production and management study, by A. Shultis and V. Stratton. Berkeley?1953. 9 p. 275.29 C12En

CALIFORNIA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Poultry management study Monterey, San Benito, and Santa Cruz Counties 1952, by A. Shultis. Berkeley?1953? 10 p. 275.29 C12En

CONNECTICUT University, College of Agriculture, Agricultural Extension Service, Storrs

MUNSELL, R. I. Growing alfalfa in Connecticut. Conn. Agr. Col. Ext. B. 445,12 p. Mar.1953. 275.29 C76B

CONNECTICUT. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Materials for fruit insect and disease control, 1953, by W. D. Tunis. Storrs, 1953. 3 p. 275.2 C76Mat

GEORGIA University, College of Agriculture, Agricultural Extension Service, Athens

SHELDRAKE, R. Gardening in Georgia. Ga. Agr. Col. Ext. B. 577,40 p. Mar.1953. 275.29 G29B

JORDAN, C. R. Insect control in the home garden. Ga. Agr. Col. Ext. C. 373,8 p.-folder. Apr.1953. 275.29 G29C

HAWAII University, Agricultural Extension Service, Honolulu

KONO, A. Hawaiian flowers and foliage, production, markets, and shipments, 1949-52. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 15,8 p. Apr.1953. 275.29 H312Ae

ELLIOTT, R., ROBERTS, N. K., and TAKEI, S. 1952 statistics of diversified agriculture and market receipts in Hawaii. Hawaii. U. Agr. Ext. Agr. Econ. Rpt. 16,47 p. Apr.1953. 275.29 H312Ae

ILLINOIS University, College of Agriculture, Extension Service, Urbana

POWELL, D., CHANDLER, S. C., and MCDANIEL, J. C. Pest control in commercial fruit plantings. Ill. Agr. Col. Ext. C. 706,35 p. Feb.1953. 275.29 IL62C

BIGGER, J. H., and PETTY, H. B. New control for chinch bugs [Blissus leucopterus]. Ill. Agr. Col. Ext. C. 707,4 p. Mar.1953. 275.29 IL62C

INDIANA - Purdue University, Agricultural Extension Service, Lafayette

ENFIELD, G. H. Results of fertility experiments in Jennings County, 1942-1947 and 1948-1950. Purdue U. Agr. Ext. Mimeo. AY-120b,rev.,4 p. June 1952. 100 In2Agr

NELSON, O. E. Hybrid popcorn performance tests—1952. Purdue U. Agr. Ext. Mimeo BP-56,11 p. 1953. 100 In2B

LEE, O. C. Weeding soybeans with dinitro. Purdue U. Agr. Ext. Mimeo BP 57,1 p. Apr.1953. 100 In2B

LEE, O. C. Giant foxtail [Setaria faberii]. Purdue U. Agr. Ext. Mimeo BP 59,1 p. May 1953. 100 In2B

KANSAS State College of Agriculture and Applied Science, Extension Service, Manhattan

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Available Kansas Extension Service publications. Manhattan,1953. 8 p.-folder. 275.29 K13Li

KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Helping with supper and luncheon, by G. Allen. Manhattan,1952? 8 p. 275.2 K13He1

KENTUCKY University, College of Agriculture and Home Economics, Extension Service, Lexington

GARDNER, J. S. Your vegetable garden month by month. Ky. Agr. Col. Ext. C. 376,rev.,32 p. Feb.1952. 275.29 K415

FREEMAN, J. F., and HUNT, R. A. Treatment of plant bed soils with methyl bromide fumigant. Ky. Agr. Col. Ext. C. 500,8 p. Mar.1953. 275.29 K415

DAVENPORT, O. M. Lumber seasoning. Ky. Agr. Col. Ext. C. 501,14 p. Mar.1953. 275.29 K415

LOUISIANA Agricultural Experiment Station, University Station, Baton Rouge

SEVERANCE, C. E. 4-H farm and home electric awards program (white program). La. Agr. Col. Ext. P. 1040,rev.,4 p. Jan.1952. 275.29 L93Ep

ABINGTON, F. S. Child care. La. Agr. Col. Ext. P. 1117,20 p. Apr.1952. 275.29 L93Ep

COCKERHAM, K. L. How to make boll weevil [Anthonomus grandis] and bollworm [Heliothis armigera] counts in cotton fields. La. Agr. Col. Ext. P. 1118,6 p.-folder. May 1952. 275.29 L93Ep

MCKEAN, A. S. Give your fence posts a treat. La. Agr. Col. Ext. P. 1119,8 p.-folder. Aug.1952. 275.29 L93Ep

KAY, R. P. Fence to last. La. Agr. Col. Ext. P. 1120,16 p. Nov.1952. 275.29 L93Ep

COX, J. A., and MARTIN, W. J. Louisiana yams for table and trade. La. Agr. Col. Ext. P. 1121,32 p. Aug.1952. 275.29 L93Ep

FERGUSON, B. L. Plan your planting. La. Agr. Col. Ext. P. 1123,26 p. Sept.1952. 275.29 L93Ep

FERGUSON, B. L. Choose your plants wisely. La. Agr. Col. Ext. P. 1124,16 p. Sept.1952. 275.29 L93Ep

FERGUSON, B. L. Take care of your plants. La. Agr. Col. Ext. P. 1126,14 p. Sept.1952. 275.29 L93Ep

ATKINS, J. G., MARTIN, W. J., and COX, J. A. The how and why of vegetable seed treatment in Louisiana. La. Agr. Col. Ext. P. 1127,4 p. Oct.1952. 275.29 L93Ep

COX, J. A., and MONTELARO, J. Grow snap beans. La. Agr. Col. Ext. P. 1128,8 p. Oct.1952. 275.29 L93Ep

ABINGTON, F. S., and BRUMBY, M. Good grooming—the key to charm. La. Agr. Col. Ext. P. 1129, 16 p. Oct.1952. 275.29 L93Ep

JOLLEY, M., and ROARK, F. So you want to learn to cook. La. Agr. Col. Ext. P. 1130,86 p. Oct.1952. 275.29 L93Ep

WASSON, R. A., and CARSON, I. W. Louisiana cotton. La. Agr. Col. Ext. P. 1132,23 p. Nov.1952. 275.29 L93Ep
Formerly Extension Bulletin 14.

ARBOUR, M. B. Easy way to write the meeting story. La. Agr. Col. Ext. P. 1137,9 p. Jan.1953. 275.29 L93Ep
Formerly Extension Circular 256.

MASSACHUSETTS University, School of Agriculture, Extension Service, Amherst

DISHAW, O. W. Rabbits as a 4-H project. Mass. U. Agr. Ext. 4-H L. 49,19 p. Jan.1952. 275.29 M381J

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Demonstrations for 4-H Club members. Mass. U. Agr. Ext. 4-H L. 50,15 p. June 1952. 275.29 M381J

LARSON, N. M. 4-H Club leaders; you and your members. Mass. U. Agr. Ext. 4-H L. 51,12 p. May 1952. 275.29 M381J

LARSON, N. M. Make it easy for the child to help himself. Mass. U. Agr. Ext. 4-H L. 52,12 p. May 1952. 275.29 M381J

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Know your trees. Mass. U. Agr. Ext. 4-H L. 54,10 p. June 1952. 275.29 M381J

NODINE, E. H., TRASK, O. S., and HIGGINS, T. C. 4-H laying flock management. Mass. U. Agr. Ext. 4-H L. 55,23 p. Sept.1952. 275.29 M381J

HOWELL, M. L., and FOLEY, M. E. The 4-H chef. Mass. U. Agr. Ext. 4-H L. 56,12 p. Oct.1952. 275.29 M381J

MASSACHUSETTS. UNIVERSITY. SCHOOL OF AGRICULTURE. EXTENSION SERV. Plans for poultry equipment for 4-H Poultry Club members. Mass. U. Agr. Ext. 4-H L. 57,11 p. n.d. 275.29 M381J

TRASK, O. S., HIGGINS, T. C., and NODINE, E. H. Raising baby chicks. Mass. U. Agr. Ext. 4-H L. 58, 15 p. Mar.1953. 275.29 M381J

COLBY, B. E. Feeding and managing light horses. Mass. U. Agr. Ext. L. 258,7 p. Jan.1953. 275.29 M381L

MINNESOTA University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

SEARLES, H. R., and others. Feeding the dairy herd. Minn. U. Agr. Ext. B. 218,rev.,55 p. June 1952. 275.29 M66S
R. W. Wayne, T. W. Gullickson, and R. D. Leighton, joint authors.

KIRCHNER, C. Lampshades you can make. Minn. U. Agr. Ext. B. 268,rev.,11 p. Mar.1953. 275.29 M66S

NEETZEL, J. R. Building better farm fences. Minn. U. Agr. Ext. B. 272,12 p. Mar.1953. 275.29 M66S

WEIR, T. S. Grafting fruit trees. Minn. U. Agr. Ext. B. 273,15 p. Apr.1953. 275.29 M66S

HAYDAK, M. H. Pollen substitutes. Minn. U. Agr. Ext. Folder 130,rev.,6 p. Mar.1953. 275.29 M66Ex

TURNQUIST, O. C. Vegetable varieties for Minnesota. Minn. U. Agr. Ext. Folder 154,rev.,8 p. Mar.1953. 275.29 M66Ex

MILLER, M. M. Managing the home with ease and satisfaction. Minn. U. Agr. Ext. Folder 155,rev.,8 p. Aug.1952. 275.29 M66Ex

TURNQUIST, O. C. Getting started with your vegetable garden. Minn. U. Agr. Ext. Folder 164,10 p. Mar.1953. 275.29 M66Ex

SCHIPPER, I. A. Don't gamble with mastitis. Minn. U. Agr. Ext. Folder 175,8 p. Apr.1953. 275.29 M66Ex

MINDRUM, N. C. The 4-H conservation activity. Minn. U. Agr. Ext. 4-H B. 23,12 p. July 1952. 275.29 M662M

SNYDER, L. C., KING, T. H., and CUTKOMP, L. K. Fruit spray schedules for home and commercial growers. Minn. U. Agr. Ext. Pam. 184,rev.,8 p.-folder. Mar.1953. 275.29 M66P

DUNHAM, R. S., and others. Chemical weed control in Minnesota, 1953. Minn. U. Agr. Ext. Pam. 187, 16 p. Jan.1953. 275.29 M66P
R. E. Nylund, R. F. Crim, and H. L. Hansen, joint authors.

ANDERSON, J. E. Understanding the teen age. Minn. U. Agr. Ext. Pam. 188,4 p. Feb.1953. 275.29 M66P

HALSEY, C. F., and MACGREGOR, J. M. Fall versus spring fertilizer application, a progress report. Minn. U. Agr. Ext. Soil Ser. 35,7 p. July 1952. 275.29 M66So

BURSON, P. M., ROST, C. O., and JONES, H. E. Feed your corn for x-tra yields. Minn. U. Agr. Ext. Soil Ser. 36,10 p. n.d. 275.29 M66So

MISSOURI University, College of Agriculture, Agricultural Extension Service, Columbia

CASE, A. A., and CLOUGH, R. S. Working dogs for the farm; 4-H Club project. Mo. Agr. Col. Ext. 4-H C. 107,26 p. Oct.1952. 275.29 M69B

WINNER, E. B., and others. Poultry management (for 4-H Club projects). Mo. Agr. Col. Ext. 4-H C. 108,47 p. Nov.1952. 275.29 M69B
S. H. Bodenhamer, T. Joule, R. Ricketts, and R. S. Clough, joint authors.

KAYS, J. M. Horsemanship, a 4-H Club project. Mo. Agr. Col. Ext. 4-H C. 109,25 p. Nov.1952. 275.29 M69B

CUNNINGHAM, C. R. Thirteen popular vegetables you can grow. Mo. Agr. Col. Ext. 4-H C. 110,23 p. Jan.1953. 275.29 M69B

MCCORMICK, L. E. Forestry for boys and girls (4-H forestry projects). Mo. Agr. Col. Ext. 4-H C. 111,40 p. Jan.1953. 275.29 M69B
Contains revised sections of 4-H Circulars 45 and 52.

CARL, F. L., FLORY, J., and CROWLEY, R. Food preservation. III. Mo. Agr. Col. Ext. 4-H C. 112, 18 p. Jan.1953. 275.29 M69B

CARL, F. L., FLORY, J., and CROWLEY, R. Suppers and picnic lunches (Food preparation II). Mo. Agr. Col. Ext. 4-H C. 113,46 p. Feb.1953. 275.29 M69B

BOGART, R. Producing rabbits for meat. Mo. Agr. Col. Ext. 4-H C. 115,12 p. Feb.1953. 275.29 M69B

MONTANA State College, Extension Service, Bozeman

ORCUTT, E. P. Minerals for Montana cattle and sheep. Mont. State Col. Ext. C. 246,8 p. Feb.1953. 275.29 M76Ci

TRETSVEN, J. O. Montana breeders of pure bred dairy cattle, dual purpose cattle, milk goats, and swine. Mont. State Col. Ext. C. D-240,15 p. July 1952. 275.29 M76Ci

NEBRASKA University, College of Agriculture, Agricultural Extension Service, Lincoln

GOBLE, J. W., and MUSSEHL, F. E. Our egg marketing job. Nebr. Agr. Col. Ext. E. C. 1321,9 p. Feb. 1952. 275.29 N272Ex

THACKER, G., and WIEGERS, H. Barrel incinerator for dead poultry. Nebr. Agr. Col. Ext. E. C. 1405,3 p. 1953. 275.29 N272Ex

NEBRASKA. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. Application blank and information on Clarke-McNary seedling trees. Nebr. Agr. Col. Ext. E. C. 1726,8 p.-folder. Jan. 1953. 275.29 N272Ex

DIEDRICHSEN, E. Cake decorating. Nebr. Agr. Col. Ext. E. C. 9996,4 p. 1953. 275.29 N272Ex

SMITH, M. L. The music leaders plan for club music period. Nebr. Agr. Col. Ext. Music C. 78,7 p. 1953. 275.29 N272Mu

NEVADA University, College of Agriculture, Agricultural Extension Service, Reno

FENLEY, J. M. How to live with halogeton while limiting its spread and reducing loss. Nev. Agr. Col. Ext. B. 106,20 p. Ref. Mar.1952. 275.29 N41

SCHULZ, O. R. Grain varieties grown in Nevada. Nev. Agr. Col. Ext. B. 107,19 p. Apr.1952. 275.29 N41

EMPEY, G. F. Film catalog. Nev. Agr. Col. Ext. B. 108,36 p. Oct.1952. 275.29 N41

NEW HAMPSHIRE University, College of Agriculture and the Mechanic Arts, Extension Service, Durham

NEW HAMPSHIRE. UNIVERSITY. COLLEGE OF AGRICULTURE AND THE MECHANIC ARTS. EXTENSION SERV. Our 40th year of helping New Hampshire grow. N. H. Agr. Col. Ext. B. 106,32 p. n.d. 275.29 N45

ABELL, M. F. The why of milk price changes. N. H. Agr. Col. Ext. Folder 23,3 p. Mar.1952. 275.29 N452Fo

NEW HAMPSHIRE. UNIVERSITY. COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. New Hampshire publications for year-round help with your garden, farm, home and poultry. Durham,1953. 7 p. 275.29 N452L

NEW JERSEY State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

LITTLE, S. Effects of forest fires on upland sites in the pine region of southern New Jersey. N. J. Agr. Col. Ext. L. 100,8 p. Dec.1952. 275.29 N46L

TAYLOR, J. C. Raising your Jersey chicks. N. J. Agr. Col. Ext. L. 101,4 p. Feb.1953. 275.29 N46L

LENTZ, A. N. The story of Arbor Day. N. J. Agr. Col. Ext. L. 102,4 p. Mar.1953. 275.29 N46L

DOERMANN, M. C., and MACLINN, W. A. Freezing fruits, vegetables and meats. N. J. Agr. Col. Ext. L. 103,12 p. Mar.1953. 275.29 N46L

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Manual for New Jersey home vegetable gardeners. N. J. Agr. Col. Ext. L. 104,12 p.-folder. Apr.1953. 275.29 N46L

BRADSHAW, P. P. Fear! N. J. Agr. Col. Ext. L. 105,4 p. May 1953. 275.29 N46L

STARNES, O. The periodical cicada [Magicicada septendecim]. N. J. Agr. Col. Ext. L. 107,2 p. May 1953. 275.29 N46L

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. 1953 spraying recommendations for apples. N. J. Agr. Col. Ext. Spray Calendar 56,12 p. Feb.1953. 275.29 N46Sp

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. 1953 spraying recommendations for peaches. N. J. Agr. Col. Ext. Spray Calendar 57,7 p. Feb.1953. 275.29 N46Sp

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Control of insects and diseases on bush fruits. N. J. Agr. Col. Ext. Spray Calendar 58,8 p. Mar.1953. 275.29 N46Sp

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. Control of insects and diseases on strawberries. N. J. Agr. Col. Ext. Spray Calendar 59,4 p. Mar.1953. 275.29 N46Sp

NEW JERSEY. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. Farmer's 1952 income tax, by R. E. Moser, P. L. Putnam, V. B. Hart, and E. P. Callahan. New Brunswick,1952. 28 p. 275.29 N46Fa

NEW MEXICO College of Agriculture, Extension Service, State College

NEW MEXICO. COLLEGE OF AGRICULTURE. EXTENSION SERV. How to build a portable livestock scale. N. Mex. Agr. Col. Ext. C. 238,6 p.-folder. Apr. 1953. 275.29 N463E

MCCARTY, R. T. Vaccinate your flock. N. Mex. Agr. Col. Ext. Ser. 400-P1,5 p. Oct.1952. 275.29 N463Es

NEW YORK State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

TURNER, C. N. Emergency equipment for electric power failures. N. Y. Agr. Col. Cornell Ext. B. 879,16 p. May 1953. 275.29 N48E

RAYMOND, C. B. Mulches for the home garden. N. Y. Agr. Col. Cornell Ext. B. 886,4 p. n.d. 275.29 N48E

LOPER, R. M., and others. A central camp building for administration and food service. N. Y. Agr. Col. Ext. Cornell Misc. B. 14,31 p. Mar.1953. 275.29 N48Cm

D. M. Proud, A. M. Carlson, and P. R. Hoff, joint authors.

PROUD, D. M. Camp food service management. N. Y. Agr. Col. Ext. Cornell Misc. B. 16,28 p. Ref. Apr. 1953. 275.29 N48Cm

GORDON, E. L. Sky laboratories. N. Y. Agr. Col. Ext. Cornell Rural School L. 46(3),32 p. Winter 1952/53. 275.29 N48R

ALDRICH, S. R., and JOHNSON, A. A. Field crops hits for '53. N. Y. Agr. Col. Ext. Green Acres Let. 15,4 p.-folder. n.d. 275.29 N48Cr

NORTH CAROLINA University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

CROUSE, R. H. Aromatic tobacco production. N. C. Agr. Col. Ext. C. 375,12 p. Mar.1953. 275.29 N811

A revision of publication prepared in 1949 by R. R. Darkis and J. R. Mattison.

GRAY, J. You can't burn out the boll weevil [Anthonomus grandis]! N. C. Agr. Col. Ext. Folder 96, 5 p. Jan.1953. 275.29 N811Ex

AREY, J. A., and KIMREY, A. C. Raise 'em right. N. C. Agr. Col. Ext. Folder 97,5 p. Mar.1953. 275.29 N811Ex

JENSEN, J. H., and FORD, J. E. Oak wilt. N. C. Agr. Col. Ext. Folder 98,5 p. Feb.1953. 275.29 N811Ex

OKLAHOMA Agricultural and Mechanical College, Extension Division, Stillwater

WHITEHEAD, E. L. Home vegetable garden. Okla. Agr. Col. Ext. C. 196,rev.,39 p. n.d. 275.29 Ok41C

CHAFFIN, W. Sweet clover to improve soil fertility. Okla. Agr. Col. Ext. C. 515,18 p. n.d. 275.29 Ok41C

DOHOGNE, H. Let's eat chicken. Okla. Agr. Col. Ext. C. 581,15 p. n.d. 275.29 Ok41C

WARE, H. G., and WARREN, A. G. Rabbit production. Okla. Agr. Col. Ext. C. 583,11 p. n.d. 275.29 Ok41C

DOHOGNE, H. Eat turkey the year round. Okla. Agr. Col. Ext. C. 584,16 p. n.d. 275.29 Ok41C

PHAGAN, C. V., and WARREN, A. G. Brooding chicks with heat lamps or infrared brooding. Okla. Agr. Col. Ext. C. 589,8 p. n.d. 275.29 Ok41C

CHAFFIN, W. Higher yields of corn. Okla. Agr. Col. Ext. C. 591,4 p. n.d. 275.29 Ok41C

OREGON State College, Federal Cooperative Extension Service, Corvallis

ELINGS, J. T. Developing a practical range beef improvement program. Oreg. State Col. Ext. C. 551, 4 p. Mar.1953. 290.9 Or33C

HUBER, M. G., and EWALT, H. P. Making trench and stack silage. Oreg. State Col. Ext. C. 552,4 p. Mar.1953. 290.9 Or33C

PENNSYLVANIA State College, Agricultural Extension Service, State College

GROUT, A. R. Tile drainage for Pennsylvania farms. Pa. State Col. Agr. Ext. C. 413,20 p. Mar.1953. 275.29 P38C

SIMONDS, W. W. Growing Christmas trees in Pennsylvania. Pa. State Col. Agr. Ext. C. 415,22 p. Mar. 1953. 275.29 P38C

PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. Pennsylvania 4-H presents "Be alert." Pa. State Col. Agr. Ext. L. 156,3 p. Mar. 1953. 275.29 P38L

BURKE, O. D. Prevent vegetable diseases in the home garden. Pa. State Col. Agr. Ext. L. 157,6 p. Mar.1953. 275.29 P38L

BLACK, S. Good home lighting. Pa. State Col. Agr. Ext. Spec. C. 6,20 p. Feb.1953. 275.29 P382Sp

BRANNAKA, H. E. Trench silos. Pa. State Col. Agr. Ext. Spec. C. 7,13 p. Mar.1953. 275.29 P382Sp

PENNSYLVANIA. STATE COLLEGE. AGRICULTURAL EXTENSION SERV. 4-H leaders' training meeting. Apr.1953. 275.29 P38C

PUERTO RICO University, College of Agriculture, Extension Service, Rio Piedras

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Las hormigas conocen el secreto. Puerto Rico. Agr. Col. Ext. Fol. 10,6 p. Oct.1952. 275.29 P962F

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Qué es una cooperativa de consumo. Puerto Rico. Agr. Col. Ext. Fol. 13,7 p. Feb.1953. 275.29 P962F

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV Lo que puede un medio peso. Puerto Rico. Agr. Col. Ext. Fol. 26,rev.,6 p.-folder. Mar.1952. 275.29 P962F

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Más dinero por sus tomates. Puerto Rico. Agr. Col. Ext. Fol. E-6,rev.,4 p. Nov.1952. 275.29 P96E

LEFEBRE, L. Para venderlos mejor clasifique los productos de su finca. Puerto Rico. Agr. Col. Ext. Fol. E-7,4 p. Feb.1953. 275.29 P96E

GELPI, E. Sus recursos de produccion. Puerto Rico. Agr. Col. Ext. Fol. E-8,4 p. Feb.1953. 275.29 P96E

PUERTO RICO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Las cooperativas industriales aumentan los ingresos en el hogar. Puerto Rico. Agr. Col. Ext. C. 4,5 p. Feb.1953. 275.29 P96Ci

OLIVENCIA, P. Como organizar un Club 4-H. Puerto Rico Agr. Col. Ext. C. 4-H 57,rev.,4 p. Apr.1952. 275.29 P96Cu

OLIVENCIA, P. Ceremonia de iniciacion 4-H. Puerto Rico Agr. Col. Ext. C. 4-H 69,rev.,8 p. Apr.1952. 275.29 P96Cu

RHODE ISLAND State College, Extension Service, Kingston

CHRISTOPHER, E. P., and SHURTLEFF, M. C. Highbush blueberry culture. R. I. State Col. Ext. B. 143, 17 p. May 1952. 275.29 R34

RHODE ISLAND. STATE COLLEGE. EXTENSION SERV. Extension means service, the annual report of the Rhode Island Cooperative Extension Service University of Rhode Island. R. I. State Col. Ext. B. 146,16 p. May 1952. 275.29 R34

NODINE, E. H., TRASK, O. S., and HIGGINS, T. C. 4-H laying flock management. R. I. State Col. Ext. B. 147,23 p. Sept.1952. 275.29 R34

MOSER, R. E., and others. Farmer's 1952 income tax. R. I. State Col. Ext. B. 148,28 p. Nov.1952. 275.29 R34

P. L. Putnam, V. B. Hart, and E. P. Callahan, joint authors.

SHURTLEFF, M. C. Home fruit grower's pest control guide. R. I. State Col. Ext. Mimeog. C. 73, rev.,5 p. Mar.1953. 275.29 R34M

SHURTLEFF, M. C. A new tomato disease threatens Rhode Island. R. I. State Col. Ext. Mimeog. C. 76,3 p. Feb.1952. 275.29 R34M

SHURTLEFF, M. C. Control of the corn earworm [Heliothis armigera]. R. I. State Col. Ext. Mimeog. C. 77,3 p. Mar.1952. 275.29 R34M

GULVIN, H. E. Building an outdoor fireplace. R. I. State Col. Ext. Mimeog. C. 78,4 p. May 1952. 275.29 R34M

SHURTLEFF, M. C. Ant control in and around the home. R. I. State Col. Ext. Mimeog. C. 79,5 p. Sept. 1952. 275.29 R34M

TAYLOR, F. Rhode Island's 1953 agricultural outlook. R. I. State Col. Ext. Mimeog. C. 80,6 p. Jan.1, 1953. 275.29 R34M

TEXAS Agricultural and Mechanical College, Agricultural Extension Service, College Station

HUTCHISON, J. E., HANCOCK, B. G., and ROSBOROUGH, J. F. Fruit varieties for Texas. Tex. Agr. Col. Ext. C-150,rev.,6 p.-folder. Oct.1952. 275.29 T312C

CLAYTOR, B. Take care of household metals. Tex. Agr. Col. Ext. C-306,8 p. n.d. 275.29 T312C

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Guide for controlling insects and diseases on fruits and nuts in Texas 1953. Tex. Agr. Col. Ext. C-321,16 p.-folder. Jan.1953. 275.29 T312C

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Guide for controlling insects and diseases on vegetable crops in Texas 1953. Tex. Agr. Col. Ext. C-323,12 p.-folder. Feb.1953. 275.29 T312C

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Leader's guide for community organization. Tex. Agr. Col. Ext. L-181,4 p. n.d. 275.29 T313

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Annual report 1952. College Station,1953. 39 p. 275.29 T312A

TEXAS. AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. 9 point livestock and poultry program. College Station,1952? 8 p.-folder. 275.2 T31Ni

UTAH State Agricultural College, Extension Service, Logan

KNOWLTON, G. F. House fly control. Utah. State Agr. Col. Ext. B. 224,2 p. July 1951. 275.29 Ut1

KNOWLTON, G. F. Controlling wireworms. Utah. State Agr. Col. Ext. C. 174,2 p. Jan.1953. 275.29 Ut1
Revision of Bulletin 232.

KNOWLTON, G. F. Controlling Mexican bean beetle [Epilachna varivestis]. Utah. State Agr. Col. Ext. C. 180,2 p. Apr.1953. 275.29 Ut1

KNOWLTON, G. F., and BINNS, W. Cattle lice control. Utah. State Agr. Col. Ext. C. 184,2 p. Apr.1953. 275.29 Ut1
Reprint of Bulletin 215.

KNOWLTON, G. F., and others. Official fruit pest control recommendations for Utah—1953. Utah. State Agr. Col. Ext. C. 185,24 p. Apr.1953. 275.29 Ut1
G. H. Oberly, R. M. Bullock, C. J. Sorenson, F. B. Wann, and G. W. Cochran, joint authors.

KNOWLTON, G. F. Controlling strawberry root weevils [Brachyrhinus ovatus]. Utah. State Agr. Col. Ext. C. 186,2 p. Apr.1953. 275.29 Ut1

KNOWLTON, G. F. Pea aphid [Macrosiphum pisi] control on peas. Utah. State Agr. Col. Ext. C. 187, 2 p. Apr.1953. 275.29 Ut1

SORENSON, C. J., and KNOWLTON, G. F. The peach tree borer [Sanninoidea exitiosa]. Utah. State Agr. Col. Ext. C. 188,2 p. Apr.1953. 275.29 Ut1

SORENSON, C. J., and KNOWLTON, G. F. Controlling the peach twig borer [Anarsia lineatella]. Utah. State Agr. Col. Ext. C. 189,2 p. Apr.1953. 275.29 Ut1

KNOWLTON, G. F., and BINNS, W. Cattle grub [Hypoderma] control. Utah. State Agr. Col. Ext. C. 190, 2 p. Apr.1953. 275.29 Ut1
Reprint of Bulletin 231.

KNOWLTON, G. F., and DORST, H. E. Tomato insect control recommendations. Utah. State Agr. Col. Ext. C. 193,2 p. Apr.1953. 275.29 Ut1

LIEBERMAN, F. V., and others. Recommendations for controlling alfalfa insects in Utah. Utah. State Agr. Col. Ext. C. 200,8 p. May 1953. 275.29 Ut1
G. F. Knowlton, S. J. Snow, and C. J. Sorenson, joint authors.

KNOWLTON, G. F. Protect food from insects. Utah. State Agr. Col. Ext. M. S. 105,1 p. Apr.1953. 275.29 Ut1Ms

UTAH. STATE AGRICULTURAL COLLEGE. EXTENSION SERV. Abstracts of material presented at Short Course on Aerial Spraying and Dusting. Logan, 1953. various pagings. 275.2 Ut1Ab

WASHINGTON State College, Extension Service, Pullman

NOYES, H. Planning your workroom. Wash. State Col. Ext. B. 320,rev.,14 p. Mar.1953. 275.29 W27P

WASHINGTON STATE COLLEGE. EXTENSION SERV. Demonstrating the future, extension work in home economics. Wash. State Col. Ext. C. 225,6 p.-folder. Apr.1953. 275.29 W27C

KLOSTERMEYER, E. C. Pest control and pollination recommendations for alfalfa seed crops. Wash. State Col. Ext. C. 226,6 p.-folder. Apr.1953. 275.29 W27C

HOOBLER, S. Q. Keeping up on the farm outlook. Wash. State Col. Ext. C. 227,6 p.-folder. Apr.30, 1953. 275.29 W27C

JOHNSON, F., and BREAKEY, E. P. Spray program for sour cherries in western Washington. Wash. State Col. Ext. Mimeog. 1500,1 p. n.d. 275.29 W27Mi

WICHERS, H. E. 4-H in the farm structures field. Wash. State Col. Ext. Mimeog. 1511,2 p. n.d. 275.29 W27Mi

HAMILTON, C. M. Pigeon pox vaccine. Wash. State Col. Ext. Mimeog. 1514,1 p. n.d. 275.29 W27Mi

LOUGHARY, I. H. Ear tagging for permanent identification. Wash. State Col. Ext. Mimeog. 1531,rev., 2 p. May 1953. 275.29 W27Mi

WOLFE, H. H., and RASMUSSEN, L. W. Weed control in cereal crops. Wash. State Col. Ext. Misc. P. 1,8 p. Jan.1953. 275.29 W27Exm

WISCONSIN University, College of Agriculture, Agricultural Extension Service, Madison

CLARK, J. W. Wisconsin: land of water, woods, wildlife. Wis. Agr. Col. Ext. C. 417,32 p. Jan.1953. 275.29 W75C

BRIGGS, G. M., GRABER, L. F., and AHLGREN, H. L. If pastures and hay crops fail. Wis. Agr. Col. Ext. C. 442,12 p. Apr.1953. 275.29 W75C

BRIGGS, G. M., and TORRIE, J. H. Soybeans in Wisconsin. Wis. Agr. Col. Ext. C. 444,12 p. Apr.1953. 275.29 W75C

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. What we know about bloat in cattle and sheep. Wis. Agr. Col. Ext. C. 446,4 p. Apr.1953. 275.29 W75C

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. AGRICULTURAL EXTENSION SERV. How to grow more sugar beets per acre. Wis. Agr. Col. Ext. Spec. C. 31,1 p. Apr.1953. 275.29 W75S

Pacific Northwest Cooperative Extension (Idaho, Oregon, Washington)

LUNNUM, K. Raising Christmas trees for profit. PNW Bulletin 6,20 p. Apr.1953. 275.29 W27Pn

Joint publication of the Extension Services of Washington, Oregon, and Idaho.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the library during the preceding month.

ADAMS, F. Community organization for irrigation in the United States. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper Agr. 19,39 p. Ref. Oct. 1952. 281.9 F733

ATEN, A., FAUNCE, A. D., and RAY, L. R. Equipment for the ginning of cotton. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 25,47 p. Mar.1953. 281.9 F733

CAPONERA, D. Water laws in Italy. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 22,27 p. Ref. Feb.1953. 281.9 F733

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Monthly bulletin of agricultural economics & statistics 2(3),43 p. Mar.1953. 251 F73Mb

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. TECHNICAL COMMITTEE ON WOOD CHEMISTRY. Tropical woods and agricultural residues as sources of pulp; papers presented at the fifth meeting, Appleton, Wisconsin, September 1951. Food & Agr. Organ. United Nations. FAO Forestry & Forest Prod Studies 3,190 p. Dec.1952. 99.9 F73Fa

HARRINGTON, J. B. Cereal breeding procedures. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 28,122 p. Dec.1952. 281.9 F733

JUGENHEIMER, R. W., SILOW, R. A., and MAO, Y. T. Results of co-operative hybrid maize tests in European and Mediterranean countries, 1950; a progress report. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 31,43 p. Dec.1952. 281.9 F733

LEWIS, A. B., ed. Report of the FAO regional meeting on land utilization in the tropical areas of Asia and the Far East and the Islands of the Pacific, Nuwara Eliya, Ceylon, 17-29 September 1951. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 17,10 p. Jan.1952. 281.9 F733

LING, L. Digest of plant quarantine regulations. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 23,164 p. Dec.1952. 281.9 F733

PHILLIPS, R. W., and others. FAO advisory assistance to member countries under the UNRRA-Transfer Fund. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. & Forestry 24,54 p. Feb.1953. 281.9 F733

T. F. Peebles, W. H. Cummings, and L. Passerini, joint authors.

PLANT protection bulletin 1(5):65-79. Feb. 1953. 421 P692

SILOW, R. A., and KJAER, A., ed. Report of the third meeting of the International Rice Commission's Working Party on Rice Breeding convened by the Food and Agriculture Organization of the United Nations, Bandung, Indonesia, 5-10 May, 1952. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper 30,48 p. Feb.1953. 281.9 F733

UNASYLVA 7(1),50 p. Mar.1953. 99.8 Uni

YANG, W. Y. Farm management investigations for agricultural improvement. Food & Agr. Organ. United Nations. FAO Devlpmt. Paper. Agr. 20,36 p. Ref. Oct.1952. 281.9 F733

NATIONAL AGRICULTURAL LIBRARY
1023121680